APPENDIX A2

HEALTH RISK ASSESSMENT

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1030 KAISER ROAD PROJECT

NAPA, CALIFORNIA

LSA

May 2026

HEALTH RISK ASSESSMENT

1030 KAISER ROAD PROJECT

NAPA, CALIFORNIA

Submitted to:

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TABLE OF CONTENTS

TABLE OF CONTENTS i
FIGURES AND TABLES ii
LIST OF ABBREVIATIONS AND ACRONYMS iii
INTRODUCTION 1
Project Location and Description 1
Existing Land Uses in the Project Area 5
BACKGROUND 6
California Air Resources Board Handbook and Technical Advisory 6
Office of Environmental Health and Hazard Assessment Guidelines 7
California Air Pollution Control Officers Association 7
Bay Area Air Quality Management District 7
SETTING 9
Regional Air Quality 9
Climate/Meteorology 9
Toxic Air Contaminants 10
THRESHOLDS OF SIGNIFICANCE 11
METHODOLOGY 12
Construction Health Risk Assessment 12
General Information 12
Emission Sources 12
Operational Health RIsk Assessment 12
General Information 12
Emission Sources 14
American Meteorological Society/Environmental Protection Agency Regulatory Model Dispersion Modeling 15
Hotspots Analysis and Reporting Program Modeling 16
HEALTH RISK IMPACTS 18
Model Analysis Results 18
Construction Health Risk Assessment 18
Operational Health Risk Assessment 18
Cumulative Impacts 19
Conclusion 21
REFERENCES 22

APPENDICES

A: HRA Model Output
B: Stationary Source Distance Multiplier Tool

FIGURES AND TABLES

FIGURES

Figure 1: Project Location and Vicinity 3
Figure 2: Site Plan 4
Figure 3: Project Area Wind Patterns 9
Figure 4: Sensitive Receptor Grid 16

TABLES

Table A: Summary of Analysis Distances by Impact Category 5
Table B: Health Risks from Project Construction to Off-Site Receptors 18
Table C: Health Risks from Project Operation to Off-Site Receptors 19
Table D: All Sources Within 1,000 Feet of the Project Site 20

LIST OF ABBREVIATIONS AND ACRONYMS

AB	Assembly Bill
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
Air District	Bay Area Air District
Basin	San Francisco Bay Area Air Basin
CalEEMod	California Emissions Estimator Model
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CARB Handbook	California Air Resources Board *Air Quality and Land Use Handbook*
CEQA	California Environmental Quality Act
City	City of Napa
DPM	diesel particulate matter
EMFAC2025	California Emissions Factor Model, Version 2025
EPA	United States Environmental Protection Agency
HARP2	Hotspots Analysis and Reporting Program (Version 2)
HI	Hazard Index
HRA	Health Risk Assessment
MEI	maximally exposed individual
MICR	maximum individual cancer risk
mph	miles per hour
OEHHA	California Office of Environmental Health Hazard Assessment
PM_{10}	particulate matter less than 10 microns in diameter
$PM_{2.5}$	particulate matter less than 2.5 microns in diameter

project	1030 Kaiser Road Project
ROG	reactive organic gas
TAC	toxic air contaminant
URF	unit risk factor
µg/m^3	micrograms per cubic meter

INTRODUCTION

LSA has prepared a construction and operational Health Risk Assessment (HRA) for the proposed 1030 Kaiser Road Project (project) in Napa, California.

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

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

PROJECT LOCATION AND DESCRIPTION

The 10.21-acre project site is at 1030 Kaiser Road in Napa, at the northwest corner of Kaiser Road and Syar Way, on a site identified as Assessor's Parcel Number 046-370-004-000. Napa is approximately 35 miles north/northeast of San Francisco and is bifurcated by the Napa River. The project site is an undeveloped 10.21-acre parcel located in southern Napa within Napa's established industrial corridor, and situated between State Route (SR-) 221 to the east, and Asylum Slough and the Napa River to the west. The Napa city limits border the project site to the north and west. Regional vehicular access to the project area is provided by SR-221 and SR-12, with connections to SR-29 and the broader North Bay freight network. Kaiser Road provides a direct connection to SR-221, east of the project site. The existing land use of the proposed project site is light industrial. As such, the project is consistent with the City's General Plan land use and zoning designation. Figure 1, Project Location and Vicinity, and Figure 2, Site Plan, depict the location of the project site on regional and local scales.

The proposed building would be designed for a flexible multi-tenant occupancy and would consist of approximately 153,380 square feet broken up into approximately 130,373 square feet of warehouse space and 23,007 square feet of office space. The building would use a tilt-up concrete wall system with a maximum height of 40 feet to the top of the roof parapet. Building materials would include site-cast, tilt-up concrete panels, and tinted glazing systems. The southeast corner of the proposed building would include decorative canopies with steel framing and veneer accents with integrated accent lighting. The primary entrances on the east side of the proposed building would include glazing and metal canopies.

The site layout includes four driveway entrances, 242 vehicle parking spaces, and landscaped areas along the eastern, southern, and northern project boundaries, as well as along the eastern building entrances. Landscaping would use low-water-use, drought-tolerant plants, appropriate to the Napa region and compliant with the City's Planning and Development Code. Moderate-water-use plants

would be used sparingly and primarily placed at visual accent areas such as driveways and building entrances. Site signage would include one 3-foot-tall, single-sided monument sign at the southeast corner of the project site, and up to three wall-mounted tenant signs placed above office entry points on the east and the south elevations.

To provide for shipping and receiving needs, the proposed project would include 24 loading docks with vertical lift sectional doors along the west side of the proposed building. In addition, a total of 5 depressed loading docks, each approximately 64 feet wide, would be located on the west side of the proposed building. An additional 12 grade-level vertical lift sectional doors would also be constructed adjacent to each depressed loading dock to provide for a range of shipping and receiving options, including floor-loaded freight.

The proposed project would include an Early Suppression Fast Response sprinkler system equipped with one fire pump rated at approximately 215 horsepower. The pump would be diesel-fired, as an electric pump would not operate during a power outage. Estimated annual runtime is approximately 26 hours, based on a 30-minute weekly testing cycle.

At this time, the specific equipment that would be used during project operations is unknown, as the facility is intended to function as a multi-tenant property and tenant needs may vary. However, if forklifts are used, they are typically electric based.

Construction of the proposed project is anticipated to begin in July 2026 and is expected to last approximately 14 months, with the proposed project fully operational by September 2027. Construction staging would include initial site clearing and mass grading, followed by utility trenching, foundation work, paving, and vertical construction. Finished floor elevations, pad grades, and spot elevations reflect a balanced cut-and-fill approach that minimizes topographic disturbance. Construction of the proposed project would use Tier 2 equipment.

The proposed project would generate approximately 411 average daily trips, including 319 passenger vehicle trips, 2 two-axle truck trips, 26 three-axel truck trips, and 64 four-axel truck trips.[1] In addition, the proposed project would comply with Title 24 requirements.

[1] LSA. 2026. *Initial Study Mitigated Negative Declaration for the 1030 Kaiser Road Project, Napa, California. Section 4.17.* June.

LSA

Project Site

California Cities

FIGURE 1

N

0 500 1000

FEET

SOURCE: ESRI Maxar (11/9/2022)

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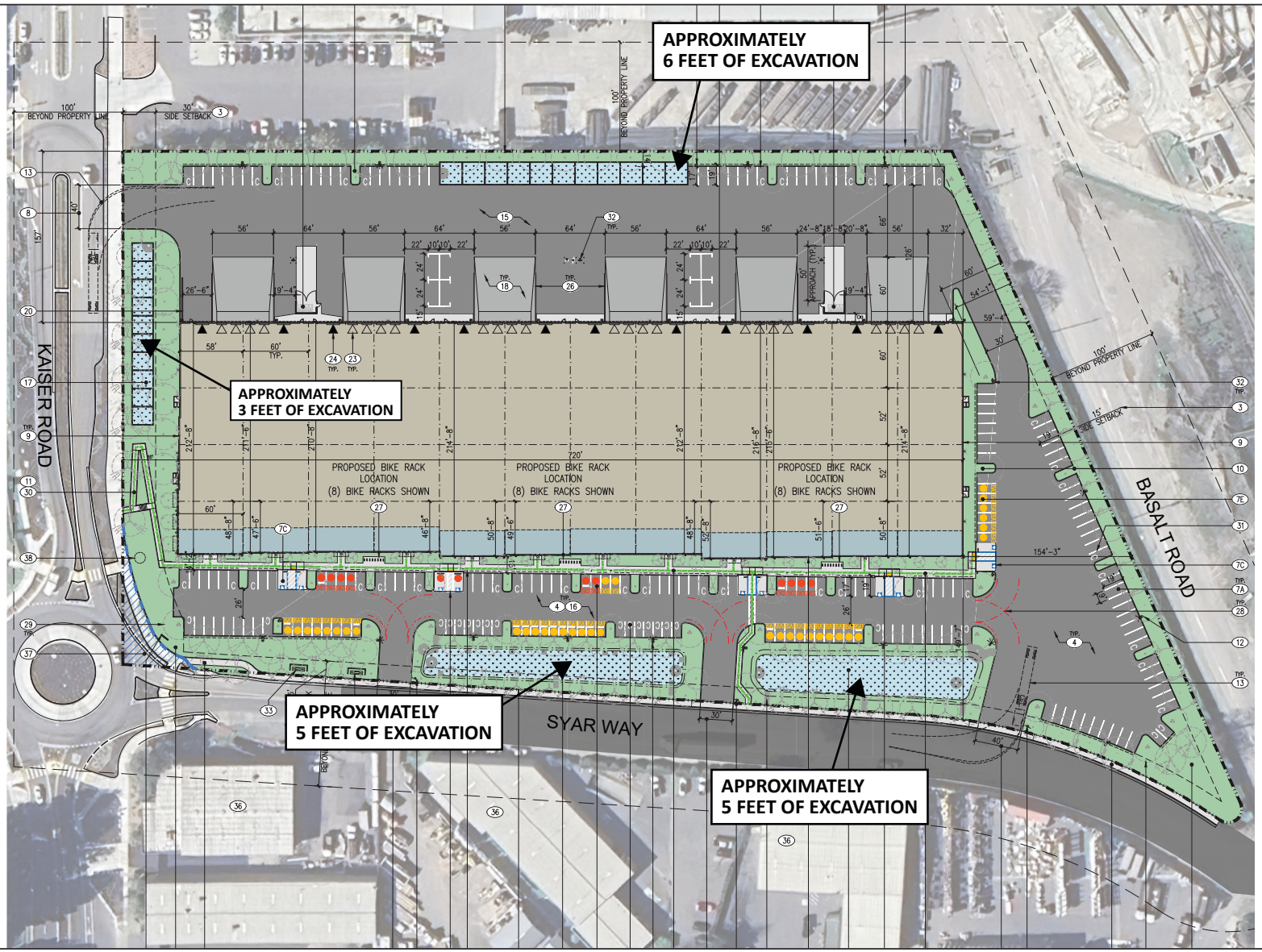
1030 Kaiser Road Project

Project Location and Vicinity



LSA

FIGURE 2

0 80 160
FEET

SOURCE: RMW Architecture

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1030 Kaiser Road Project

Site Plan

EXISTING LAND USES IN THE PROJECT AREA

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

- **North:** The project site is bordered by an industrial site to the north. The industrial site is used to support mining operations. Immediately north of the project is Basalt Road, a private road that provides internal access to the industrial equipment. Tulucay Creek and the Napa Golf Course are beyond the industrial site to the north.

- **East:** The project site is bordered by Syar Way and a mix of light industrial uses to the east. A cemetery and mortuary are northeast of the project site alongside SR-221.

- **South:** Residential uses associated with the Riversound mixed-use development projects are immediately south of the project site. This area is intended to accommodate a range of housing types, retail, hotel, commercial, and light industrial/warehouse uses. Southeast of the project site is a business park, which runs adjacent to Riversound Way.

- **West:** The project site is bordered to the west by an industrial site associated with a steel fabrication facility. Asylum Slough and the Napa River are west of the adjacent industrial site.

The proposed project is bounded by Syar Way to the south and Kaiser Road to the west. The closest sensitive receptors will be to the south of the project, approximately 150 feet from the project boundary, where a large single-family residential project will soon be developed. Table A shows the summary of analysis in feet by the impact category.

Table A: Summary of Analysis Distances by Impact Category

Activity	Nearest Sensitive Receptor	Points of Analysis	Distance (feet)
Construction	Single-Family Residential	Perimeter of construction activities to building façade of the nearest sensitive receptor	150
Operations	Single-Family Residential	Emissions sources on-site generalized at the centroid of the project site to building façade of the nearest sensitive receptor	150

Source: Compiled by LSA (May 2026).

BACKGROUND

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

CALIFORNIA AIR RESOURCES BOARD HANDBOOK AND TECHNICAL ADVISORY

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

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

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

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

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

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

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

OFFICE OF ENVIRONMENTAL HEALTH AND HAZARD ASSESSMENT GUIDELINES

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

CALIFORNIA AIR POLLUTION CONTROL OFFICERS ASSOCIATION

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

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

The Bay Area Air District (formerly the Bay Area Air Quality Management District) seeks to attain and maintain air quality conditions in the San Francisco Bay Area Air Basin through a comprehensive program of planning, regulation, enforcement, technical innovation, and education. The clean air strategy includes the preparation of plans for the attainment of ambient air quality standards, adoption and enforcement of rules and regulations, and issuance of permits for stationary sources. The Air District also inspects stationary sources and responds to citizen complaints, monitors ambient air quality and meteorological conditions, and implements programs and regulations required by law.

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

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

The Air District's CEQA Air Quality Guidelines were prepared to assist in the evaluation of air quality impacts of projects and plans proposed within the Bay Area. The guidelines provide recommended procedures for evaluating potential air impacts during the environmental review process, consistent with CEQA requirements, and include recommended thresholds of significance, mitigation measures, and background air quality information. They also include recommended assessment methodologies for air toxics. The Air District's guidelines incorporate the OEHHA guidance and the options to be used when using the CARB's Hotspots Analysis and Reporting Program (HARP), Version 2, for risk assessment calculations.

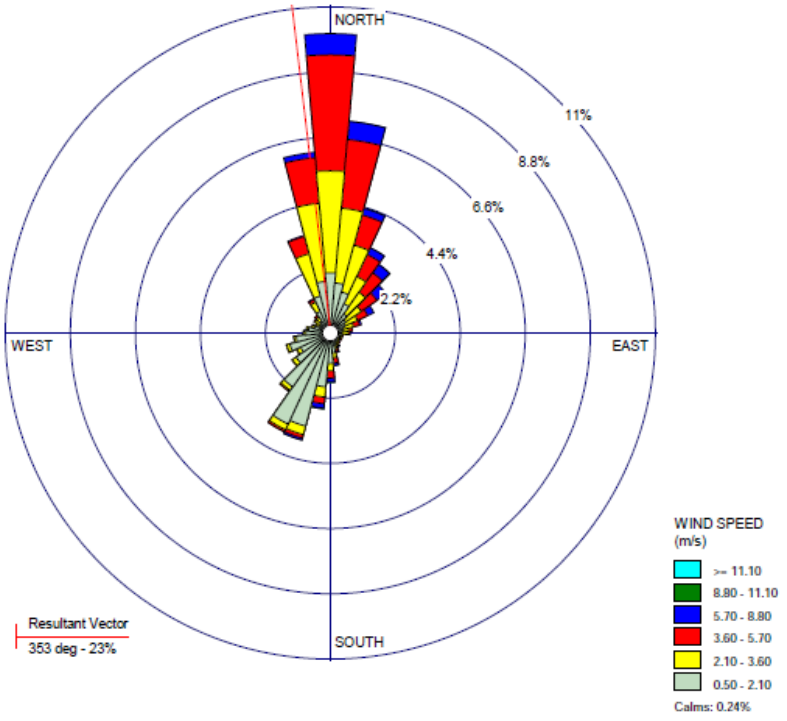
SETTING

REGIONAL AIR QUALITY

The project site is in Napa, California, which is part of the San Francisco Bay Area Air Basin (Basin) and is under the jurisdiction of the Air District.

Climate/Meteorology

Air quality in the planning area is not only affected by various emission sources (e.g., mobile and industry), but also by atmospheric conditions (e.g., wind speed, wind direction, temperature, and rainfall). The nearest representative meteorological station that provides the American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) ready meteorological data is the Napa College Meteorological Station. Figure 3, Project Area Wind Patterns, shows the windrose[6] from data measured at this station and the wind patterns for the project area.



Source: Bay Area Air District AERMOD-Ready Meteorological Data. Website: https://www.baaqmd.gov/en/plans-and-climate/california-environmental-quality-act-ceqa/ceqa-tools/ceqa-modeling-data (accessed May 2026).

Figure 3: Project Area Wind Patterns

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

Toxic Air Contaminants

The public's exposure to TACs is a significant environmental health issue in California. In 1983, the California Legislature enacted a program to identify the health effects of TACs and to reduce exposure to these contaminants to protect the public health. The Health and Safety Code defines a TAC as "an air pollutant which may cause or contribute to an increase in mortality or in serious illness, or which may pose a present or potential hazard to human health." A substance that is listed as a hazardous air pollutant pursuant to subsection (b) of Section 112 of the Federal Act (42 United States Code Section 7412) is a TAC. Under State law, the California Environmental Protection Agency, acting through CARB, is authorized to identify a substance as a TAC if it determines the substance is an air pollutant that may cause or contribute to an increase in mortality or an increase in serious illness, or that may pose a present or potential hazard to human health.

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

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

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

THRESHOLDS OF SIGNIFICANCE

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

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

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

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

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

  The project would be considered significant if the cumulative increase in total chronic HI for any target organ system would exceed 1 at any receptor location.

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

  The project would be considered significant if the cumulative increase in total acute HI for any target organ system would exceed 1 at any receptor location.

- **$PM_{2.5}$ concentration:** To estimate the project site's exposure to cancer risk and particulate matter less than 2.5 microns in size ($PM_{2.5}$) levels associated with the proposed project from diesel vehicle engine exhaust, a dispersion model is used to translate an emission rate from a source location to a concentration at a receptor location of interest (i.e., the proposed project site).

  The project would be considered significant if the annual average $PM_{2.5}$ concentration is greater than the Air District threshold of 0.3 micrograms per cubic meter ($\mu g/m^3$)

METHODOLOGY

CONSTRUCTION HEALTH RISK ASSESSMENT

General Information

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

Emission Sources

Construction emissions were estimated for the project using the California Emissions Estimator Model (CalEEMod) version 2022.1, consistent with Air District recommendations. Construction of the proposed project is anticipated to begin in July of 2026 and continue for approximately 14 months, ending in September 2027, which was included in CalEEMod. The project site is currently undeveloped, and no demolition is proposed as part of the project. Construction activities would include site preparation, grading, building construction, paving, and architectural coating activities. The proposed project would require the export of 18,720 cubic yards of soil, which was included in CalEEMod. In addition, this analysis conservatively assumes use of Tier 2 construction equipment. Other detailed construction information is currently unavailable; therefore, this analysis uses CalEEMod default assumptions (e.g. construction equipment and fleet activities, construction trips and truck trips). CalEEMod output sheets are included in Appendix A.

CalEEMod results are included in the Air Quality section of the Initial Study/Mitigated Negative Declaration prepared for the proposed project.[7]

OPERATIONAL HEALTH RISK ASSESSMENT

General Information

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

[7] LSA. 2026. *Initial Study Mitigated Negative Declaration for the 1030 Kaiser Road Project, Napa, California. Appendix A1.* June.

For the purposes of an HRA, emissions are analyzed for acute health impacts, chronic, and carcinogenic health impacts. A multipathway assessment has been conducted to evaluate the project's emissions during construction and operation following the modeling techniques recommended in the OEHHA *Air Toxic Hot Spots Program Risk Assessment Guidelines*.[8] The analysis herein has been conducted in accordance with Air District requirements for HRAs.

This HRA has been conducted using three models: (1) the CARB's California Emissions Factor Model, Version 2025 (EMFAC2025) for vehicle emission factors and percentages of fuel type within the overall vehicle fleet; (2) the EPA AERMOD dispersion model to determine how the TACs would move through the atmosphere after release from sources both on site and along the truck routes; and (3) the CARB's HARP2 model to translate the pollutant concentrations from AERMOD into individual health risks at the nearby sensitive receptor locations.

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

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

- The CARB-adopted diesel exhaust unit risk factor (URF) of 300 in 1 million $\mu g/m^3$ is based on the upper 95th percentile of estimated risk for each of the epidemiological studies used to develop the URF. Therefore, the risk factor is already representative of the conservative risk posed by DPM.

- The risk estimates assume sensitive residence receptors would be subject to DPM for 24 hours per day, 350 days per year, and worker receptors for 8 hours per day, 350 days per year. As a conservative measure, Air District does not recognize indoor adjustments for residents or workers. However, people typically spend the majority of their time indoors versus remaining outdoors for 24 hours per day, 350 days per year.[9] Therefore, the actual exposure any person

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

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

would experience would be less than considered in this analysis. This results in much lower actual health risk levels than presented in this analysis.

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

Improvements over the last 40 years to diesel fuel and diesel engines have resulted in lower emissions of some of these TACs.[10] These improvements have resulted in a 75 percent reduction in particle emissions from diesel-powered trucks and other equipment in 2010 and an 85 percent reduction in 2020 compared to 2000 levels.[11] These improvements are anticipated to continue into the foreseeable future. Electric trucks are also being phased in and, once in use, would eliminate the emissions of DPM associated with truck travel.

Emission Sources

The first step of an HRA is to characterize the project-related emissions of TACs. The proposed project would generate approximately 411 average daily trips, including 319 passenger vehicle trips, 2 two-axle truck trips, 26 three-axle truck trips, and 64 four-axle truck trips.[12] The trucks would access the site from Kaiser Road. Although the TAC emissions from gasoline-powered vehicles have a small health effect compared to DPM, this HRA includes all the traffic information described and both gasoline- and diesel-powered vehicle emissions. For the diesel exhaust emissions, it is sufficient to only consider the DPM (PM_{10}) portion of the exhaust; all of the TACs for the gasoline exhaust emissions are contained in the reactive organic gas (ROG) emissions. Using speciation data from CARB, the emission rates of the TAC components are derived from the total ROG emissions.

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

EMFAC2025 was used to determine the emissions factors of idling and operating diesel trucks to determine the total emissions of PM_{10}. Although the TAC of concern from diesel trucks is DPM,

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

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

12 LSA. 2026. *Initial Study Mitigated Negative Declaration for the 1030 Kaiser Road Project, Napa, California. Section 4.17.* June.

EMFAC2025 does not include emissions factors for this TAC. DPM is a component of the overall exhaust from the project-related trucks. This HRA conservatively assumes the DPM emissions to be equal to the PM_{10} emissions, when actually the DPM is only a portion of the overall PM_{10} in the truck exhaust. Although it is expected that the truck emissions rate will continue to reduce over time, an HRA only allows for a single emission rate to represent the entire 25- or 30-year exposure period. The use of emission factors for the earliest year the proposed project could start operations (2027) was selected for this HRA to be conservative. For instance, based on operations starting in 2026, using emission factors for a 2031 vehicle fleet (the midpoint of the 9-year exposure period) or using emissions for a 2042 vehicle fleet (the midpoint of the 30-year exposure period) could be used; however, either of these would be less conservative.

American Meteorological Society/Environmental Protection Agency Regulatory Model Dispersion Modeling

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

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

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

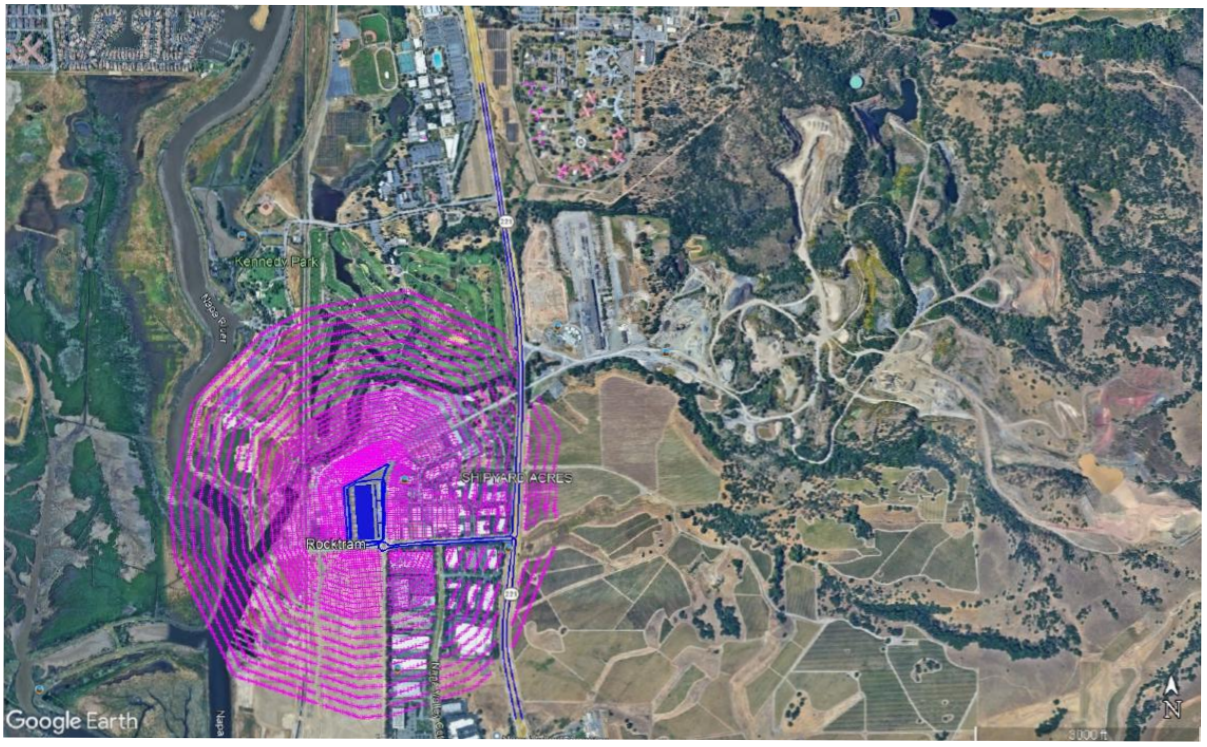


Figure 4: Sensitive Receptor Grid

Hotspots Analysis and Reporting Program Modeling

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

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

Discrete variants for daily breathing rates, exposure frequency, and exposure duration were default rates as presented in the OEHHA guidance document entitled *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*[13] and guidance from the Air District.

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

HEALTH RISK IMPACTS

MODEL ANALYSIS RESULTS

Construction Health Risk Assessment

A construction HRA, which evaluates construction-period health risk to off-site receptors, was performed for the proposed project. Table B identifies the results of the analysis at the MEI. Appendix A includes model snapshots of the sources.

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

Location	Carcinogenic Inhalation Health Risk in 1 Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index	Annual Average $PM_{2.5}$ Concentration
Residential Receptor Risk	0.34	0	0	0
Worker Receptor Risk	0.73	0.03	0	0.15
Air District Significance Threshold	**10 in 1 million**	**1.0**	**1.0**	**0.3**
Significant?	**No**	**No**	**No**	**No**

Source: Compiled by LSA (May 2026).
Air District = Bay Area Air District
$PM_{2.5}$ = particulate matter 2.5 microns or less

Carcinogenic and Chronic Impacts

As shown in Table B, the maximum cancer risk for the residential MEI would be 0.34 in 1 million, which would not exceed the Air District cancer risk of 10 in 1 million. The worker MEI would be 0.73 in 1 million, which would not exceed the threshold. The total chronic hazard index for the residential MEI would be nominal, which is below the threshold of 1. The worker MEI would be 0.03, which would not exceed the threshold.

Acute Emission Impacts

As shown in Table B, the total acute inhalation hazard index for the residential MEI would be 0, which is below the threshold of 1. The worker MEI would be 0, which would not exceed the threshold.

Fine Particulate Matter ($PM_{2.5}$) Impacts

As shown in Table B, the annual average $PM_{2.5}$ concentration would be 0.15 micrograms $\mu g/m^3$, which is below the threshold of 0.3 $\mu g/m^3$.

Results of the analysis are graphically shown in Appendix A.

Operational Health Risk Assessment

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

conducted for the proposed project. Table C shows the carcinogenic and chronic health risks from the proposed project. The residential risk conservatively incorporates both the risk for a child living in a nearby residence for 9 years (the standard period of time for child risk) and an adult living in a nearby residence for 30 years (considered a conservative period of time for an individual to live in any one residence). An exposure period of 25 years was assumed for worker receptors.

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

Location	Carcinogenic Inhalation Health Risk in 1 Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index	Annual Average $PM_{2.5}$ Concentration
Residential Receptor Risk	2.20	0	0	0
Worker Receptor Risk	5.28	0.02	0.01	0.08
Air District Significance Threshold	**10 in 1 million**	**1.0**	**1.0**	**0.3**
Significant?	**No**	**No**	**No**	**No**

Source: Compiled by LSA (May 2026).
Air District = Bay Area Air District
$PM_{2.5}$ = particulate matter 2.5 microns or less

Carcinogenic and Chronic Impacts

As shown in Table C, the maximum cancer risk for the residential MEI would be 2.20 in 1 million, which would not exceed the Air District cancer risk of 10 in 1 million. The worker MEI would be 5.28 in 1 million, which would not exceed the threshold. The total chronic hazard index for the residential MEI would be 0, which is below the threshold of 1. The worker MEI would be 0.02, which would not exceed the threshold.

Acute Emission Impacts

As shown in Table C, the total acute inhalation hazard index for the residential MEI would be 0, which is below the threshold of 1. The worker MEI would be 0.01, which would not exceed the threshold.

Fine Particulate Matter ($PM_{2.5}$) Impacts

As shown in Table C, the annual average $PM_{2.5}$ concentration would be 0.08 micrograms $\mu g/m^3$, which is below the threshold of 0.3 $\mu g/m^3$.

CUMULATIVE IMPACTS

To assess the potential risk from stationary sources, LSA used the Air District's latest Stationary Source Screening Tool, which provides a map of all the stationary sources permitted by the Air District with risk and hazard estimates of stationary emission sources such as gas stations, diesel emergency generators, and incinerators. Health risk data was provided for each facility. Google Earth's measurement tool was used to determine the distance from the emission source to the location of the sensitive receptor.

The Air District's Stationary Source Screening Tool identified four stationary sources within 1,000 feet of the project site, as shown in Table D. Appendix B presents the calculation of the stationary source adjusted cancer risk. LSA further refined the results through the Public Air District Health Risk Calculator Beta Version 5.0 to evaluate source-specific health risks at the project site based on source proximity. Specifically, the distance between each identified stationary source and the project site was measured and compared to the screening distances available within the Air District Health Risk Calculator. Where the exact measured distance was not available within the calculator, the nearest available screening distance was conservatively selected for evaluation. The corresponding carcinogenic hazard index and annual average $PM_{2.5}$ concentration values associated with the selected screening distances were then used to estimate source-specific health risk exposure at the project site.

In addition, roadway screening was conducted consistent with Air District screening methodologies to evaluate potential exposure to mobile-source emissions from nearby roadways. Nearby roadway sources were identified based on roadway screening contours within the vicinity of the project. The Air District screening tool provides a range of cancer risk, chronic hazard index, and $PM_{2.5}$ concentration values associated with the identified roadway sources. To provide a conservative evaluation, the higher end of the applicable screening range was used for the cumulative health risk assessment.

Table D: All Sources Within 1,000 Feet of the Project Site

Source Type	Distance (feet)	Carcinogenic Inhalation Health Risk in 1 Million	Chronic Hazard Index	Annual Average $PM_{2.5}$ Concentration ($\mu g/m^3$)
Mobile Sources (Basalt Road)	-	20	0.1	0.1
Mobile Source (Syar Way)	-	20	0.1	0.1
Mobile Source (Kaiser Road)	-	20	0.1	0.3
Paupaiz Fine Coffees, 978B Kaiser Road (manufacturing)	320.01	0	0	0
Regulus, 860 Latour Court (generator)	958.61	4	0	0
Royal Coach Limousine Services, 988 Enterprise Way (nonretail gas station)	130.62	0	0	0
Syar Concrete LLC, 760 north of the west end of Kaiser Road (manufacturing)	692.67	0	0	0.38
Total Risk Levels		**64**	**0.3**	**0.43**
Air District Threshold		100	10	0.80
Exceeds?		**No**	**No**	**No**

Source: Compiled by LSA (May 2026).
Air District = Bay Area Air District
$PM_{2.5}$ = particulate matter less than 2.5 microns in size

As shown in Table D, the cumulative health risk of mobile and stationary sources and roadway sources would be less than the Air District's cumulative risk and hazard thresholds. Therefore, receptors at the project site would not be exposed to significant cumulative health risk impacts.

CONCLUSION

Based on the results of the analysis, all health risk levels to nearby sensitive receptors from project-related emissions of TACs would be well below the Air District's HRA thresholds. As such, no significant health risk would occur from project-related emissions. The HARP2 modeling reports and AERMOD information are included in Appendix A.

REFERENCES

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

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

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

California Office of Environmental Health Hazard Assessment (OEHHA). 2001. *Health Effects of Diesel Exhaust*. May 21. Website: oehha.ca.gov/air/health-effects-diesel-exhaust (accessed January 2025).

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

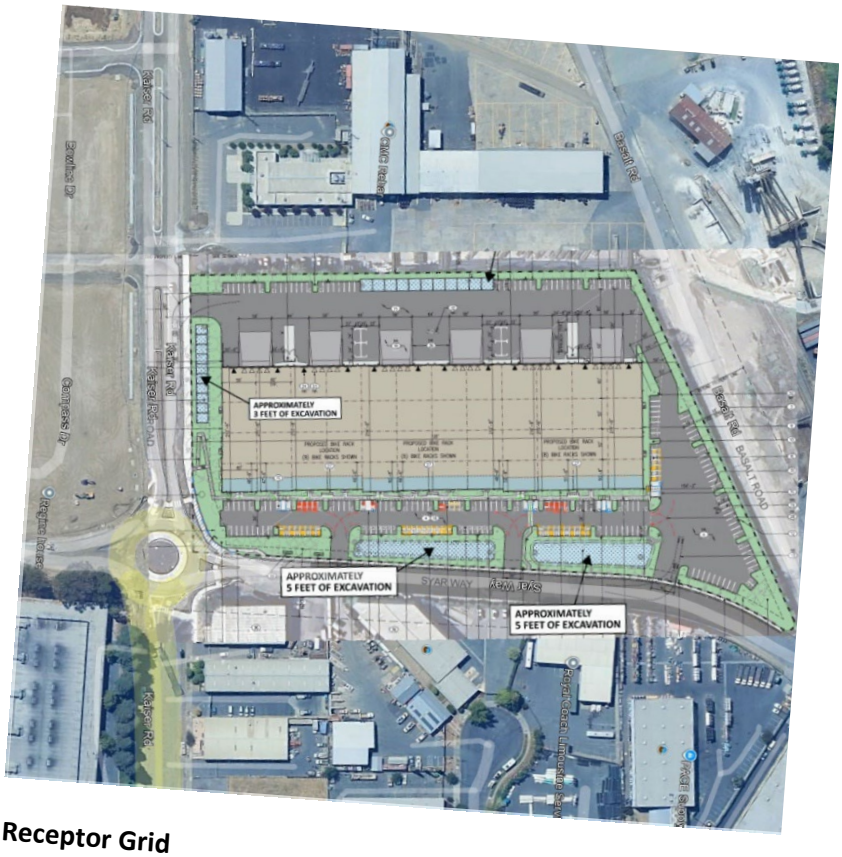
LSA. 2026. *Initial Study Mitigated Negative Declaration for the 1030 Kaiser Road Project, Napa, California.* June.

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

APPENDIX A

HRA MODEL OUTPUT

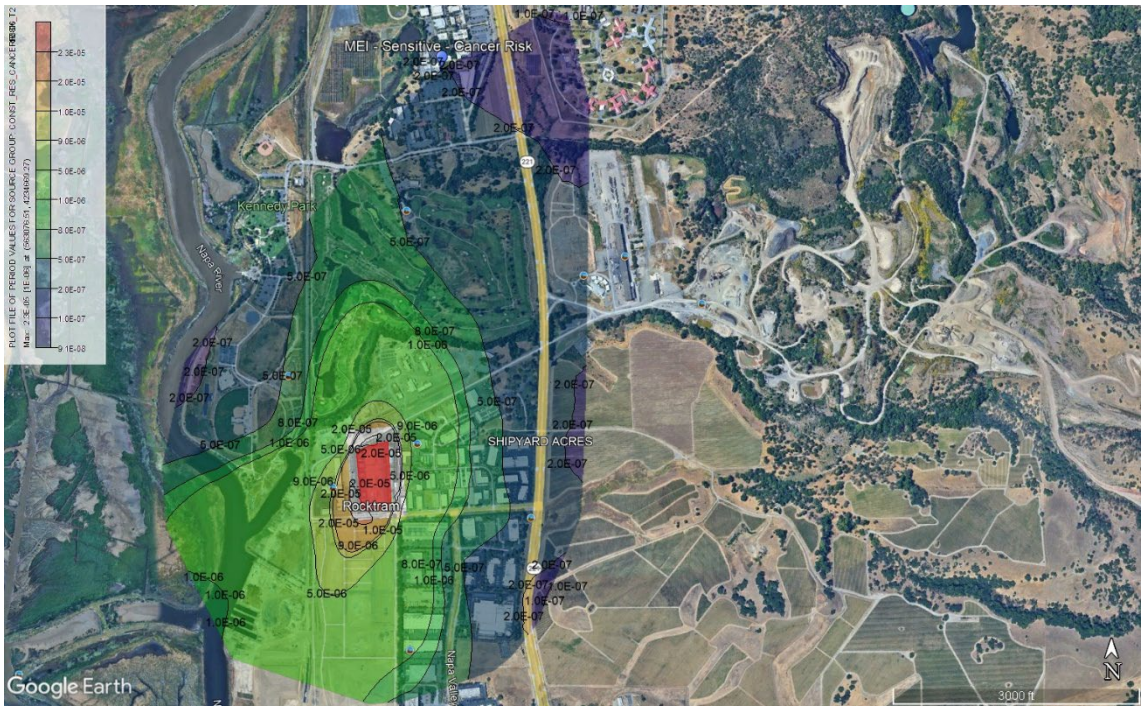
Project Location



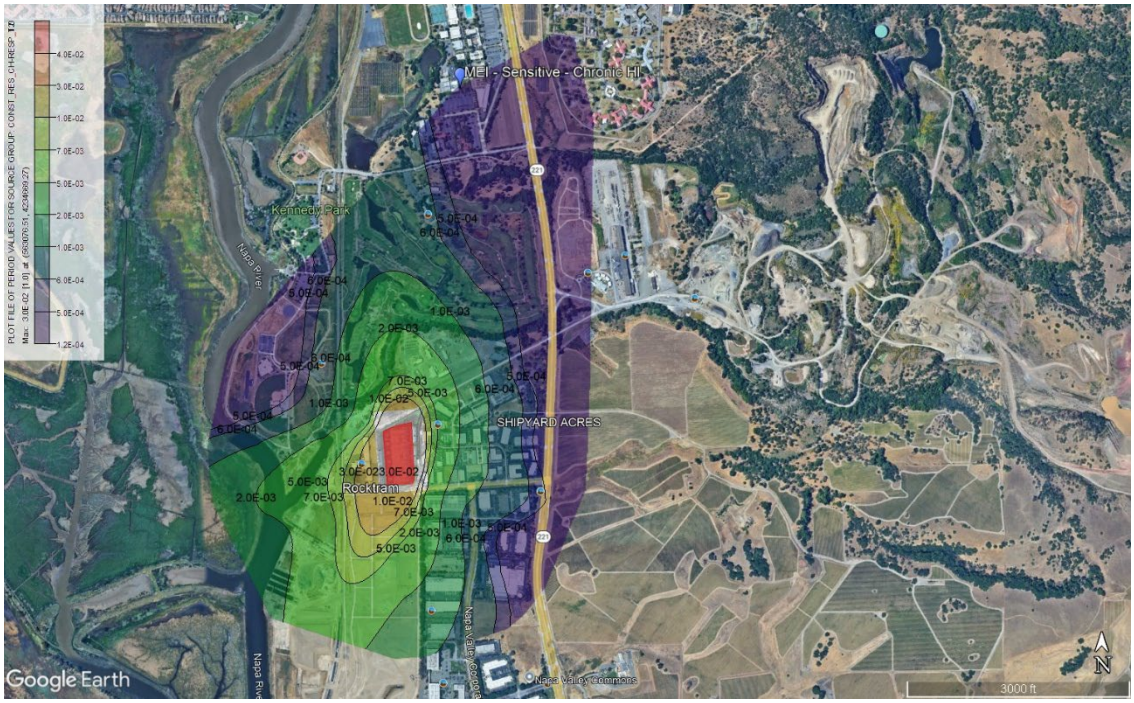
Receptor Grid

Unmitigated Construction Health Risk with Tier 2

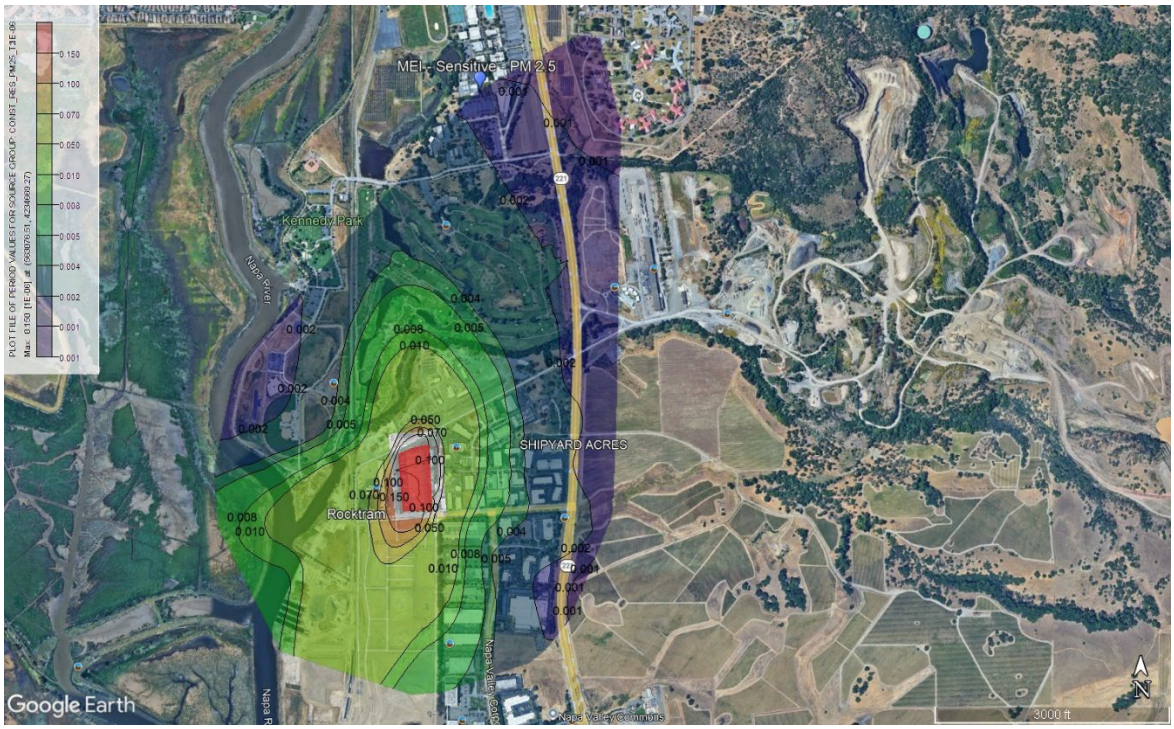
Construction Cancer Risk – Sensitive Receptor



Construction Chronic Health Index – Sensitive Receptor

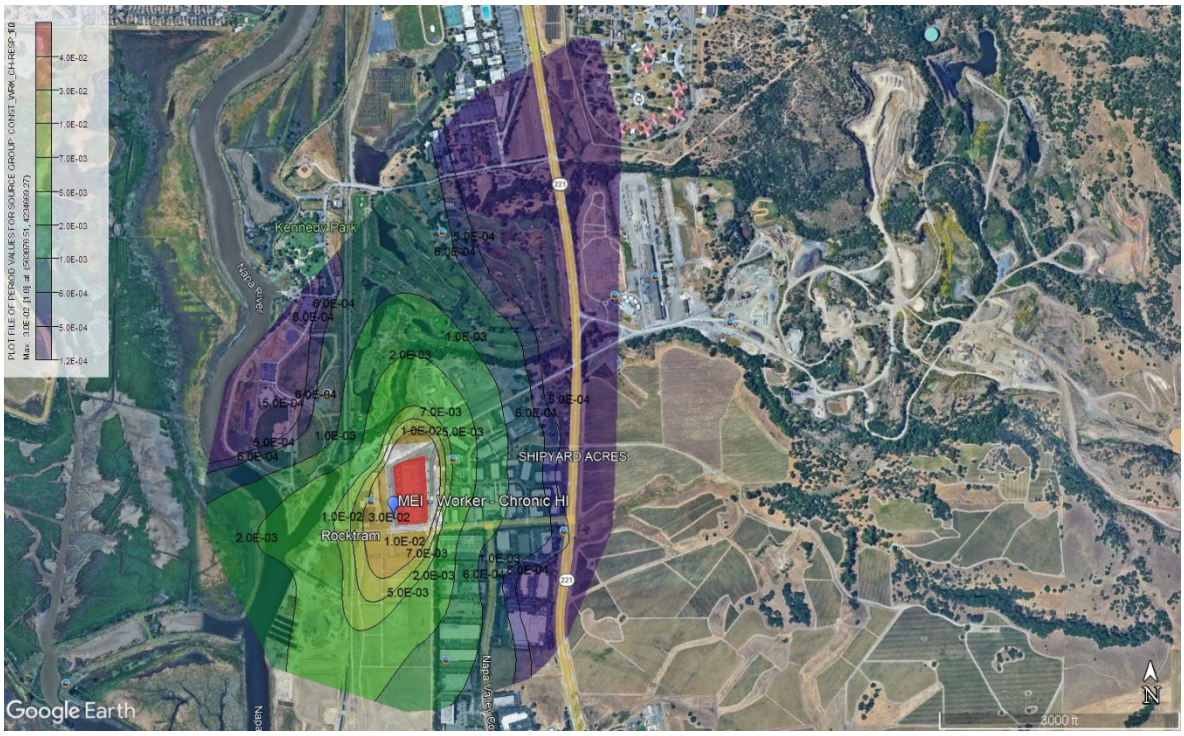


Construction $PM_{2.5}$ levels – Sensitive Receptor

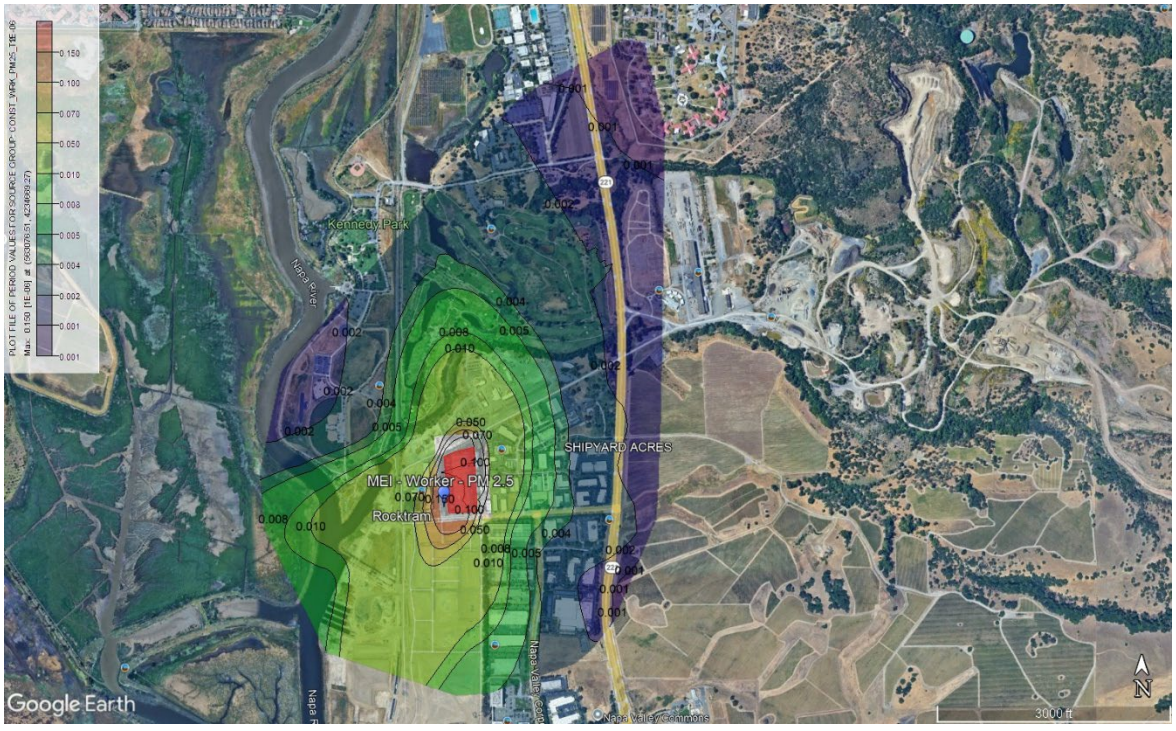


Construction Cancer Risk – Worker Receptor

Construction Chronic Health Index – Worker Receptor



Construction $PM_{2.5}$ levels – Worker Receptor



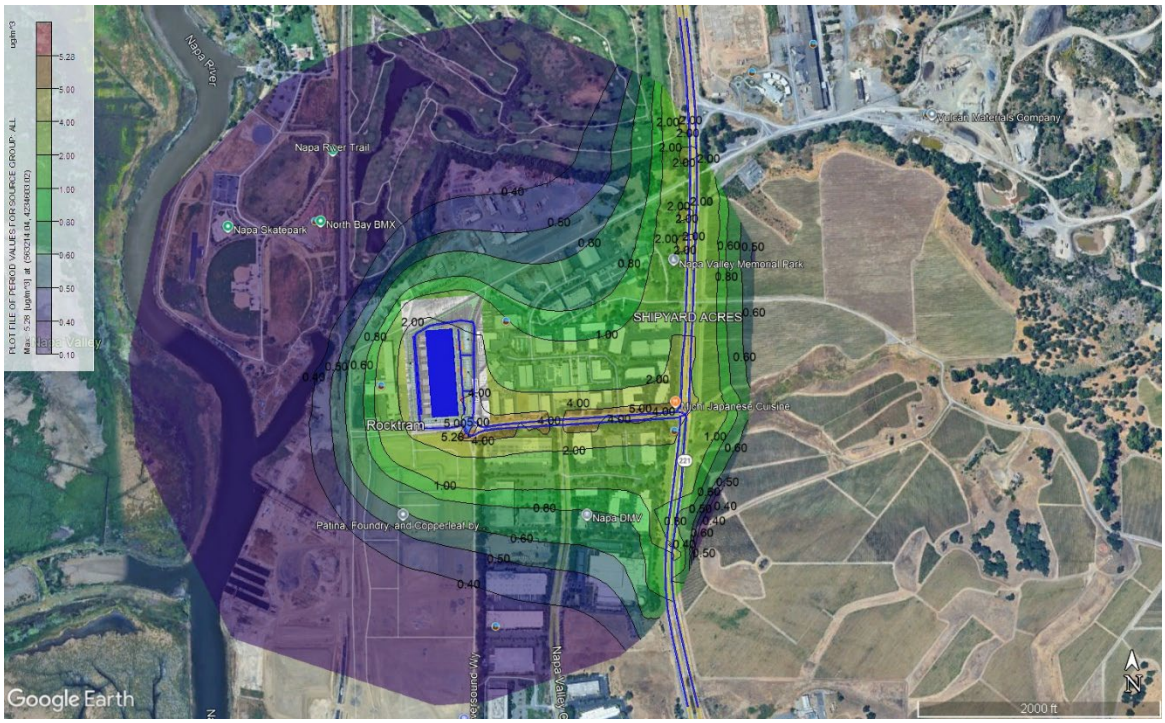
Operational Health Risk

Operational Cancer Risk – Sensitive Receptor

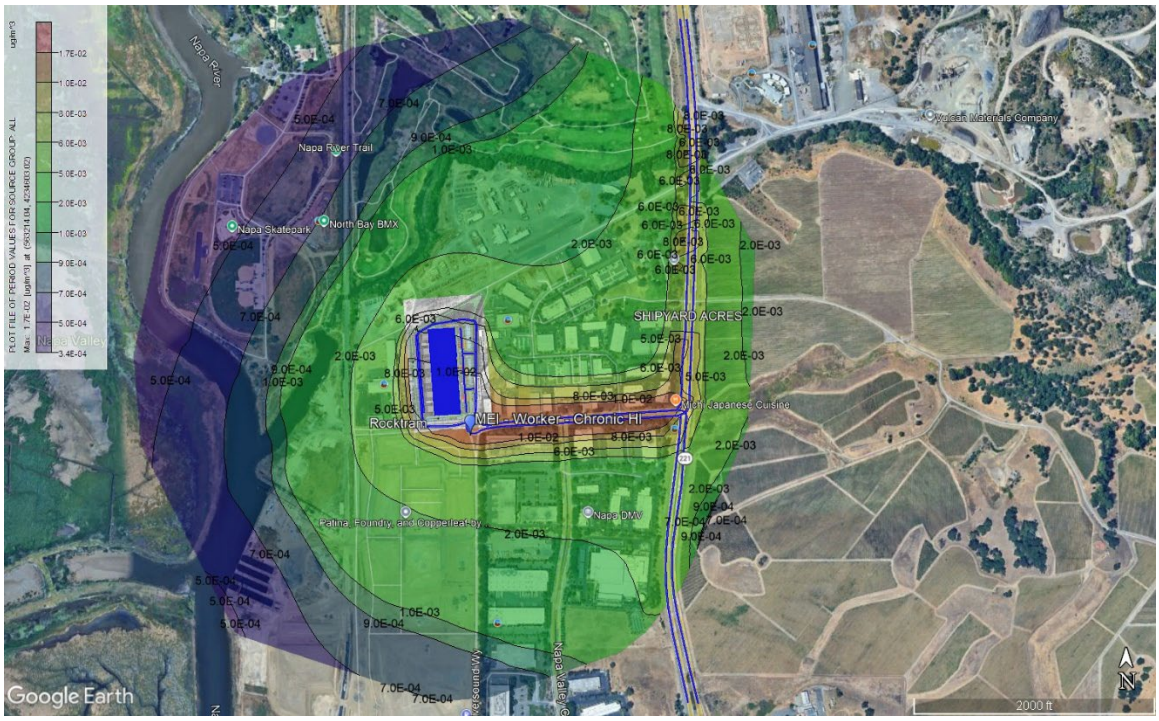
Operational Chronic Health Index – Sensitive Receptor

Operational $PM_{2.5}$ levels – Sensitive Receptor

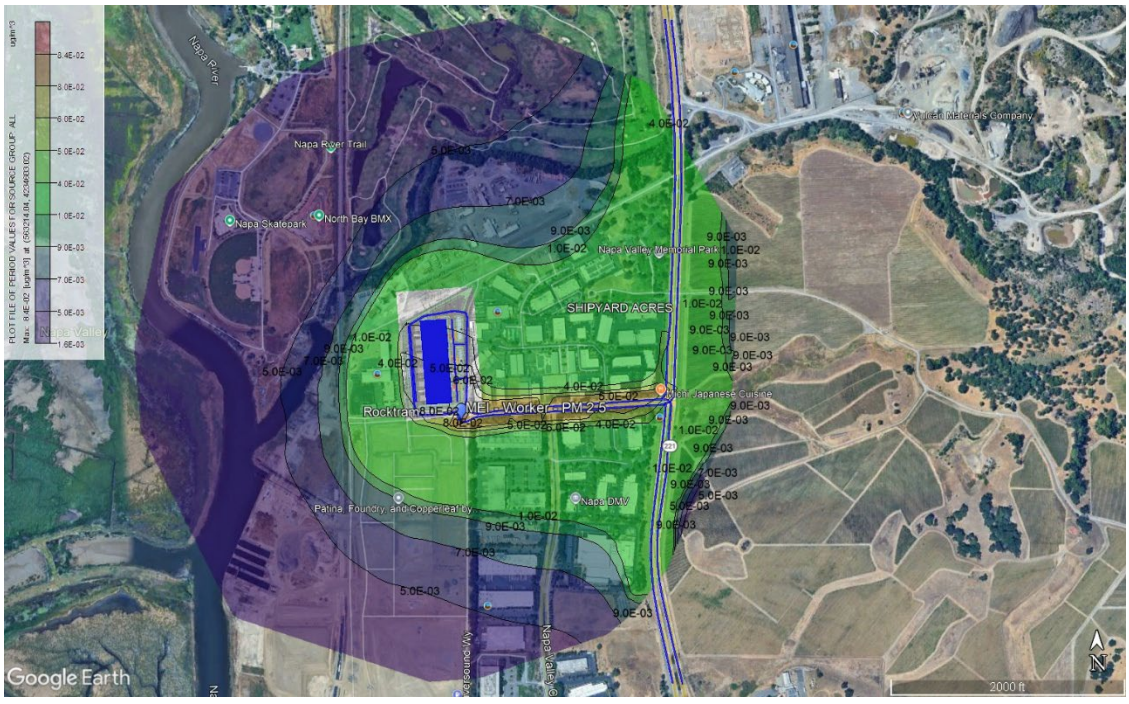
Operational Cancer Risk – Worker Receptor



Operational Chronic Health Index – Worker Receptor



Operational $PM_{2.5}$ levels – Worker Receptor



Construction MEI (Sensitive) - Cancer Risk (in a Million) HARP Rec #: 6292 X: 563380.7 Y: 4236267.09				
T2	T2L3	T3	T4I	T4F
0.34	0.06	0.26	0.05	0.03
MEI (Sensitive) - Chronic Hazard Index HARP Rec #: 6292 X: 563380.7 Y: 4236267.09				
T2	T2L3	T3	T4I	T4F
2.48E-04	4.21E-05	2.00E-04	3.28E-05	2.45E-05
MEI (Sensitive) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA				
T2	T2L3	T3	T4I	T4F
0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E+00
MEI (Sensitive) - PM 2.5 HARP Rec #: 6292 X: 563380.7 Y: 4236267.09				
T2	T2L3	T3	T4I	T4F
0.001	0.000	0.001	0.000	0.000

Construction MEI (Worker) - Cancer Risk (in a Million) HARP Rec #: 2065 X: 563076.51 Y: 4234669.27				
T2	T2L3	T3	T4I	T4F
0.73	0.12	0.57	0.10	0.06
MEI (Worker) - Chronic Hazard Index HARP Rec #: 2065 X: 563076.51 Y: 4234669.27				
T2	T2L3	T3	T4I	T4F
3.00E-02	5.09E-03	2.42E-02	3.97E-03	2.96E-03
MEI (Worker) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA				
T2	T2L3	T3	T4I	T4F
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MEI (Worker) - PM 2.5 HARP Rec #: 2065 X: 563076.51 Y: 4234669.27				
T2	T2L3	T3	T4I	T4F
0.150	0.025	0.121	0.020	0.015

Operational Sensitive Receptor			
Parameter	**HARP Rec #**	**X & Y Coordinate**	**Result**
30 Yr Cancer Risk (in a Million)	4	563824.45 4236268.85	2.20
70 Yr Cancer Risk (in a Million)	0	0 0	0.00
Chronic HI	4	563824.45 4236268.85	7.77E-04
Acute HI	2	563933 4236125.31	6.45E-04
PM 2.5	4	563824.45 4236268.85	3.68E-03

Operational Worker Receptor			
Parameter	**HARP Rec #**	**X & Y Coordinate**	**Result**
25 Yr Cancer Risk (in a Million)	1541	563214.04 4234603.02	5.28
Chronic HI	1541	563214.04 4234603.02	1.73E-02
Acute HI	1541	563214.04 4234603.02	5.42E-03
PM 2.5	1541	563214.04 4234603.02	8.37E-02

Description	Receptor Type	Model Type	UTM X	UTM Y	Latitude	Longitude
Construction	Sensitive	Cancer Risk	563380.70	4236267.09	38.27221777	-122.2754201
Construction	Sensitive	Chronic HI	563380.70	4236267.09	38.27221777	-122.2754201
Construction	Sensitive	Acute HI	0	0		
Construction	Sensitive	PM 2.5	563380.70	4236267.09	38.27221777	-122.2754201
Construction	School	Cancer Risk	0.00	0.00		
Construction	School	Chronic HI	0.00	0.00		
Construction	School	Acute HI	0	0		
Construction	School	PM 2.5	0.00	0.00		
Construction	Worker	Cancer Risk	563076.51	4234669.27	38.25784	-122.2790397
Construction	Worker	Chronic HI	563076.51	4234669.27	38.25784	-122.2790397
Construction	Worker	Acute HI	0	0		
Construction	Worker	PM 2.5	563076.51	4234669.27	38.25784	-122.2790397
Operational	Sensitive	Cancer Risk 30 yr	563824.45	4236268.85	38.2722022	-122.2703473
Operational	Sensitive	Cancer Risk 70 yr	0	0		
Operational	Sensitive	Chronic HI	563824.45	4236268.85	38.2722022	-122.2703473
Operational	Sensitive	Acute HI	563933	4236125.31	38.27090093	-122.2691194
Operational	Sensitive	PM 2.5	563824.45	4236268.85	38.2722022	-122.2703473
Operational	Worker	Cancer Risk 25 yr	563214.04	4234603.02	38.2572333	-122.2774738
Operational	Worker	Chronic HI	563214.04	4234603.02	38.2572333	-122.2774738
Operational	Worker	Acute HI	563214.04	4234603.02	38.2572333	-122.2774738
Operational	Worker	PM 2.5	563214.04	4234603.02	38.2572333	-122.2774738

General AERMOD Input Parameters			
Project Boundary			
	Based on site plan		
Project Elevation Data			
	Source	**Lakes Environmental**	
	Link	http://www.webgis.com/terraindata.html	
	Evel Data Descr.	**7.5 min DEM**	
Project Receptor Grid			
	Telescoping Grid	Spacing (m)	Distance (m)
	Grid 1	**10**	**100**
	Grid 2	**20**	**200**
	Grid 3	**30**	**400**
	Grid 4		
	Comments	**Receptors on roads or parking lot areas have been removed.**	
Meteorological Dataset			
	Location	**Napa College**	
	Provided By	**Bay Area AQMD**	
	Years	**2013 - 2017**	
	Elevation (m)	**4.3**	
	Link		
Construction Modeling Specific Inputs			
AERMOD Input Options			
	Regulatory Options	**Default**	
	Pollutant Type	**Other**	
	Averaging Period	**Period & Hourly**	
	Dispersion Coefficient	**Rural**	
	County	**San Bernardino**	
	Urban Grouping / Pop	**N**	
	# of Worker Receptors	**6,305**	
	# of Sensitive Receptors		
	# of School Receptors		
Construction Area Parameters			
	Source Type	**Polygon Area**	
	Project Area (m^2)	**27,639.80**	
	Ht. of Source (m)	**3.048**	
Operational Modeling Specific Inputs			
AERMOD Input Options			
	Regulatory Options	**Default**	
	Pollutant Type	**Other**	
	Averaging Period	**Period / Hourly**	
	Dispersion Coefficient	**Rural**	
	Urban Grouping / Pop	**N**	
	# Worker Receptors	**6,305**	
	# Sensitive Receptors		
	# of School Receptors	**0**	
Diesel Truck Idling Parameters			

	Source Type	**Point**
	Stack Ht. (m)	**3.658**
	Stack Dia (m)	**0.044**
	Stack Temp (k)	**388.7**
	Velocity (m/s)	**25**
Diesel Truck Travel Parameters		
	Source Type	**Line Volume**
	Initial Vertical (m)	**1.42**
	Initial Lateral (m)	**2.84**
	Release Ht (m)	**Surface**
	Volume Length (m)	**Roadway Segment Specific**

General HARP Input Parameters		
Construction		
Sensitive Receptors		
Sensitive Scenario Parameters		
	Starting Age	**3rd Trimester**
	Age Range	**3rd Trimester - 1 Year**
	Receptor Type	**Individual Resident**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**RMP using the Derived Method**
	Comments	**Each year of construction is modeled separately and the impact to each receptor is summed to estimate the total exposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
Sensitive Pathway Parameters		
	Pathways	**BAAQMD Mandatory minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**Y**
	TAH ≥ 16 yrs	**Y**
Worker Receptors		
Worker Scenario Parameters		
	Starting Age	**16**
	Age Range	**16 - 17**
	Receptor Type	**Worker**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**OEHHA Derived Method**
	Comments	**Each year of construction is modeled separately and the impact to each receptor is summed to estimate the total exposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
Worker Pathway Parameters		
	Pathways	**OEHHA minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**N**
	TAH ≥ 16 yrs	**N**

			T2		6296	T2L3			T3			T4I			T4F		
					3.42E-07			5.65E-08			2.64E-07			4.67E-08			2.97E-08
					4236267.09												
			Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total
1	563279.04	4234944.27	5.20E-06	4.29E-06	9.49E-06	8.83E-07	6.87E-07	1.57E-06	4.20E-06	3.14E-06	7.34E-06	6.88E-07	6.10E-07	1.30E-06	5.14E-07	3.11E-07	8.25E-07
2	563274.36	4234930.99	5.80E-06	4.78E-06	1.06E-05	9.84E-07	7.66E-07	1.75E-06	4.68E-06	3.51E-06	8.19E-06	7.67E-07	6.80E-07	1.45E-06	5.73E-07	3.47E-07	9.20E-07
3	563267.09	4234917.59	6.78E-06	5.59E-06	1.24E-05	1.15E-06	8.96E-07	2.05E-06	5.47E-06	4.10E-06	9.57E-06	8.97E-07	7.95E-07	1.69E-06	6.70E-07	4.06E-07	1.08E-06
4	563287.83	4234939.5	4.73E-06	3.90E-06	8.63E-06	8.03E-07	6.25E-07	1.43E-06	3.82E-06	2.86E-06	6.68E-06	6.26E-07	5.55E-07	1.18E-06	4.67E-07	2.83E-07	7.51E-07
5	563289.92	4234952.66	4.44E-06	3.66E-06	8.10E-06	7.53E-07	5.86E-07	1.34E-06	3.58E-06	2.68E-06	6.27E-06	5.87E-07	5.20E-07	1.11E-06	4.38E-07	2.66E-07	7.04E-07
6	563287.65	4234965.02	4.34E-06	3.58E-06	7.92E-06	7.37E-07	5.74E-07	1.31E-06	3.51E-06	2.62E-06	6.13E-06	5.74E-07	5.09E-07	1.08E-06	4.29E-07	2.60E-07	6.89E-07
7	563281	4234976.58	4.43E-06	3.65E-06	8.07E-06	7.51E-07	5.85E-07	1.34E-06	3.57E-06	2.68E-06	6.25E-06	5.85E-07	5.19E-07	1.10E-06	4.37E-07	2.65E-07	7.02E-07
8	563283.15	4234926.22	5.23E-06	4.31E-06	9.54E-06	8.87E-07	6.91E-07	1.58E-06	4.22E-06	3.16E-06	7.38E-06	6.92E-07	6.13E-07	1.30E-06	5.16E-07	3.13E-07	8.29E-07
9	563275.88	4234912.82	6.03E-06	4.96E-06	1.10E-05	1.02E-06	7.96E-07	1.82E-06	4.86E-06	3.64E-06	8.51E-06	7.97E-07	7.06E-07	1.50E-06	5.95E-07	3.61E-07	9.56E-07
10	563296.62	4234934.73	4.30E-06	3.55E-06	7.85E-06	7.30E-07	5.68E-07	1.30E-06	3.47E-06	2.60E-06	6.07E-06	5.69E-07	5.04E-07	1.07E-06	4.25E-07	2.58E-07	6.83E-07
11	563298.71	4234947.89	4.07E-06	3.35E-06	7.42E-06	6.91E-07	5.38E-07	1.23E-06	3.29E-06	2.46E-06	5.75E-06	5.38E-07	4.77E-07	1.02E-06	4.02E-07	2.44E-07	6.46E-07
12	563297.48	4234966.83	3.88E-06	3.20E-06	7.08E-06	6.59E-07	5.13E-07	1.17E-06	3.14E-06	2.35E-06	5.48E-06	5.14E-07	4.55E-07	9.69E-07	3.84E-07	2.32E-07	6.16E-07
13	563290.84	4234978.39	3.97E-06	3.27E-06	7.25E-06	6.74E-07	5.25E-07	1.20E-06	3.21E-06	2.40E-06	5.61E-06	5.25E-07	4.66E-07	9.91E-07	3.92E-07	2.38E-07	6.30E-07
14	563291.94	4234921.45	4.72E-06	3.89E-06	8.60E-06	8.00E-07	6.23E-07	1.42E-06	3.81E-06	2.85E-06	6.66E-06	6.24E-07	5.53E-07	1.18E-06	4.66E-07	2.82E-07	7.48E-07
15	563284.66	4234908.05	5.37E-06	4.42E-06	9.79E-06	9.11E-07	7.09E-07	1.62E-06	4.34E-06	3.25E-06	7.58E-06	7.10E-07	6.29E-07	1.34E-06	5.30E-07	3.21E-07	8.52E-07
16	563305.41	4234929.96	3.92E-06	3.23E-06	7.15E-06	6.65E-07	5.18E-07	1.18E-06	3.16E-06	2.37E-06	5.53E-06	5.18E-07	4.59E-07	9.78E-07	3.87E-07	2.35E-07	6.22E-07
17	563307.5	4234943.12	3.73E-06	3.07E-06	6.80E-06	6.33E-07	4.92E-07	1.12E-06	3.01E-06	2.25E-06	5.26E-06	4.93E-07	4.37E-07	9.30E-07	3.68E-07	2.23E-07	5.91E-07
18	563309.59	4234956.29	3.54E-06	2.92E-06	6.46E-06	6.01E-07	4.68E-07	1.07E-06	2.86E-06	2.14E-06	5.00E-06	4.68E-07	4.15E-07	8.83E-07	3.50E-07	2.12E-07	5.62E-07
19	563307.32	4234968.65	3.49E-06	2.88E-06	6.37E-06	5.92E-07	4.61E-07	1.05E-06	2.82E-06	2.11E-06	4.93E-06	4.62E-07	4.09E-07	8.71E-07	3.45E-07	2.09E-07	5.54E-07
20	563300.67	4234980.2	3.58E-06	2.95E-06	6.53E-06	6.08E-07	4.73E-07	1.08E-06	2.89E-06	2.16E-06	5.06E-06	4.74E-07	4.20E-07	8.93E-07	3.54E-07	2.14E-07	5.68E-07
21	563294.03	4234991.75	3.64E-06	3.00E-06	6.64E-06	6.18E-07	4.81E-07	1.10E-06	2.94E-06	2.20E-06	5.14E-06	4.82E-07	4.27E-07	9.09E-07	3.60E-07	2.18E-07	5.78E-07
22	563300.73	4234916.68	4.26E-06	3.51E-06	7.77E-06	7.23E-07	5.63E-07	1.29E-06	3.44E-06	2.57E-06	6.01E-06	5.63E-07	4.99E-07	1.06E-06	4.21E-07	2.55E-07	6.76E-07
23	563293.45	4234903.28	4.80E-06	3.95E-06	8.75E-06	8.14E-07	6.34E-07	1.45E-06	3.88E-06	2.90E-06	6.78E-06	6.35E-07	5.63E-07	1.20E-06	4.74E-07	2.87E-07	7.61E-07
24	563314.2	4234925.19	3.57E-06	2.94E-06	6.52E-06	6.06E-07	4.72E-07	1.08E-06	2.89E-06	2.16E-06	5.04E-06	4.73E-07	4.19E-07	8.91E-07	3.53E-07	2.14E-07	5.67E-07
25	563316.29	4234938.35	3.41E-06	2.81E-06	6.22E-06	5.79E-07	4.51E-07	1.03E-06	2.76E-06	2.06E-06	4.82E-06	4.51E-07	4.00E-07	8.51E-07	3.37E-07	2.04E-07	5.41E-07
26	563318.38	4234951.52	3.27E-06	2.69E-06	5.96E-06	5.55E-07	4.32E-07	9.86E-07	2.64E-06	1.98E-06	4.61E-06	4.32E-07	3.83E-07	8.15E-07	3.23E-07	1.96E-07	5.18E-07
27	563317.15	4234970.46	3.15E-06	2.60E-06	5.75E-06	5.35E-07	4.16E-07	9.51E-07	2.55E-06	1.91E-06	4.45E-06	4.17E-07	3.69E-07	7.86E-07	3.11E-07	1.89E-07	5.00E-07
28	563310.51	4234982.01	3.24E-06	2.67E-06	5.91E-06	5.50E-07	4.28E-07	9.78E-07	2.62E-06	1.96E-06	4.57E-06	4.29E-07	3.80E-07	8.08E-07	3.20E-07	1.94E-07	5.14E-07
29	563303.86	4234993.57	3.31E-06	2.72E-06	6.03E-06	5.61E-07	4.37E-07	9.98E-07	2.67E-06	2.00E-06	4.67E-06	4.37E-07	3.87E-07	8.25E-07	3.26E-07	1.98E-07	5.24E-07
30	563309.51	4234911.91	3.85E-06	3.18E-06	7.03E-06	6.54E-07	5.09E-07	1.16E-06	3.11E-06	2.33E-06	5.44E-06	5.10E-07	4.52E-07	9.62E-07	3.81E-07	2.31E-07	6.11E-07
31	563302.24	4234898.51	4.31E-06	3.55E-06	7.85E-06	7.31E-07	5.69E-07	1.30E-06	3.48E-06	2.60E-06	6.08E-06	5.69E-07	5.05E-07	1.07E-06	4.25E-07	2.58E-07	6.83E-07
32	563323.14	4234921.36	3.25E-06	2.68E-06	5.93E-06	5.52E-07	4.30E-07	9.81E-07	2.63E-06	1.97E-06	4.59E-06	4.30E-07	3.81E-07	8.11E-07	3.21E-07	1.95E-07	5.16E-07
33	563325.53	4234936.4	3.10E-06	2.56E-06	5.66E-06	5.26E-07	4.10E-07	9.36E-07	2.50E-06	1.87E-06	4.38E-06	4.10E-07	3.63E-07	7.74E-07	3.06E-07	1.86E-07	4.92E-07
34	563327.92	4234951.45	2.97E-06	2.45E-06	5.42E-06	5.04E-07	3.92E-07	8.96E-07	2.40E-06	1.79E-06	4.19E-06	3.93E-07	3.48E-07	7.41E-07	2.93E-07	1.78E-07	4.71E-07
35	563326.51	4234973.09	2.87E-06	2.36E-06	5.23E-06	4.86E-07	3.79E-07	8.65E-07	2.31E-06	1.73E-06	4.05E-06	3.79E-07	3.36E-07	7.15E-07	2.83E-07	1.72E-07	4.55E-07
36	563318.92	4234986.3	2.96E-06	2.44E-06	5.40E-06	5.02E-07	3.91E-07	8.93E-07	2.39E-06	1.79E-06	4.18E-06	3.91E-07	3.47E-07	7.38E-07	2.92E-07	1.77E-07	4.69E-07
37	563311.32	4234999.5	3.03E-06	2.50E-06	5.52E-06	5.14E-07	4.00E-07	9.14E-07	2.45E-06	1.83E-06	4.28E-06	4.01E-07	3.55E-07	7.55E-07	2.99E-07	1.81E-07	4.80E-07
38	563318.3	4234907.14	3.50E-06	2.88E-06	6.38E-06	5.93E-07	4.62E-07	1.06E-06	2.82E-06	2.11E-06	4.94E-06	4.62E-07	4.10E-07	8.72E-07	3.45E-07	2.09E-07	5.55E-07
39	563311.03	4234893.74	3.88E-06	3.19E-06	7.07E-06	6.58E-07	5.12E-07	1.17E-06	3.13E-06	2.34E-06	5.47E-06	5.13E-07	4.54E-07	9.67E-07	3.83E-07	2.32E-07	6.15E-07
40	563331.91	4234916.47	2.97E-06	2.45E-06	5.43E-06	5.05E-07	3.93E-07	8.98E-07	2.40E-06	1.80E-06	4.20E-06	3.93E-07	3.49E-07	7.42E-07	2.94E-07	1.78E-07	4.72E-07
41	563334.26	4234931.28	2.85E-06	2.35E-06	5.21E-06	4.84E-07	3.77E-07	8.61E-07	2.30E-06	1.73E-06	4.03E-06	3.78E-07	3.35E-07	7.12E-07	2.82E-07	1.71E-07	4.53E-07
42	563336.61	4234946.09	2.75E-06	2.26E-06	5.01E-06	4.66E-07	3.63E-07	8.29E-07	2.22E-06	1.66E-06	3.88E-06	3.63E-07	3.22E-07	6.85E-07	2.71E-07	1.64E-07	4.36E-07
43	563338.96	4234960.9	2.63E-06	2.16E-06	4.79E-06	4.46E-07	3.47E-07	7.93E-07	2.12E-06	1.59E-06	3.71E-06	3.48E-07	3.08E-07	6.55E-07	2.60E-07	1.57E-07	4.17E-07
44	563336.4	4234974.8	2.61E-06	2.15E-06	4.76E-06	4.43E-07	3.45E-07	7.87E-07	2.11E-06	1.58E-06	3.68E-06	3.45E-07	3.06E-07	6.51E-07	2.58E-07	1.56E-07	4.14E-07
45	563328.93	4234987.8	2.70E-06	2.22E-06	4.92E-06	4.57E-07	3.56E-07	8.14E-07	2.18E-06	1.63E-06	3.81E-06	3.57E-07	3.16E-07	6.72E-07	2.66E-07	1.61E-07	4.28E-07
46	563321.45	4235000.8	2.77E-06	2.28E-06	5.04E-06	4.69E-07	3.65E-07	8.35E-07	2.23E-06	1.67E-06	3.90E-06	3.66E-07	3.24E-07	6.90E-07	2.73E-07	1.66E-07	4.39E-07
47	563313.98	4235013.8	2.81E-06	2.32E-06	5.13E-06	4.77E-07	3.72E-07	8.49E-07	2.27E-06	1.70E-06	3.97E-06	3.72E-07	3.30E-07	7.02E-07	2.78E-07	1.68E-07	4.46E-07
48	563327.09	4234902.37	3.18E-06	2.62E-06	5.80E-06	5.39E-07	4.20E-07	9.59E-07	2.57E-06	1.92E-06	4.49E-06	4.20E-07	3.73E-07	7.93E-07	3.14E-07	1.90E-07	5.04E-07
49	563319.82	4234888.97	3.50E-06	2.88E-06	6.39E-06	5.94E-07	4.62E-07	1.06E-06	2.83E-06	2.12E-06	4.94E-06	4.63E-07	4.10E-07	8.73E-07	3.46E-07	2.10E-07	5.55E-07
50	563340.68	4234911.61	2.73E-06	2.25E-06	4.97E-06	4.62E-07	3.60E-07	8.23E-07	2.20E-06	1.65E-06	3.85E-06	3.60E-07	3.19E-07	6.80E-07	2.69E-07	1.63E-07	4.32E-07
51	563343	4234926.23	2.63E-06	2.17E-06	4.80E-06	4.46E-07	3.47E-07	7.93E-07	2.12E-06	1.59E-06	3.71E-06	3.48E-07	3.08E-07	6.56E-07	2.60E-07	1.57E-07	4.17E-07
52	563345.33	4234940.86	2.54E-06	2.09E-06	4.63E-06	4.30E-07	3.35E-07	7.65E-07	2.05E-06	1.53E-06	3.58E-06	3.35E-07	2.97E-07	6.33E-07	2.51E-07	1.52E-07	4.02E-07
53	563347.65	4234955.49	2.45E-06	2.02E-06	4.47E-06	4.16E-07	3.24E-07	7.40E-07	1.98E-06	1.48E-06	3.46E-06	3.24E-07	2.87E-07	6.12E-07	2.42E-07	1.47E-07	3.89E-07
54	563346.28	4234976.53	2.38E-06	1.96E-06	4.35E-06	4.05E-07	3.15E-07	7.20E-07	1.93E-06	1.44E-06	3.37E-06	3.15E-07	2.79E-07	5.95E-07	2.35E-07	1.43E-07	3.78E-07
55	563338.9	4234989.37	2.47E-06	2.03E-06	4.50E-06	4.18E-07	3.26E-07	7.44E-07	1.99E-06	1.49E-06	3.48E-06	3.26E-07	2.89E-07	6.15E-07	2.43E-07	1.48E-07	3.91E-07
56	563331.52	4235002.21	2.53E-06	2.09E-06	4.62E-06	4.30E-07	3.35E-07	7.64E-07	2.05E-06	1.53E-06	3.58E-06	3.35E-07	2.97E-07	6.32E-07	2.50E-07	1.52E-07	4.02E-07
57	563324.14	4235015.05	2.58E-06	2.13E-06	4.71E-06	4.38E-07	3.41E-07	7.80E-07	2.09E-06	1.56E-06	3.65E-06	3.42E-07	3.03E-07	6.45E-07	2.55E-07	1.55E-07	4.10E-07
58	563335.88	4234897.6	2.90E-06	2.39E-06	5.29E-06	4.92E-07	3.83E-07	8.74E-07	2.34E-06	1.75E-06	4.09E-06	3.83E-07	3.40E-07	7.23E-07	2.86E-07	1.73E-07	4.60E-07
59	563328.61	4234884.2	3.17E-06	2.61E-06	5.79E-06	5.38E-07	4.19E-07	9.58E-07	2.56E-06	1.92E-06	4.48E-06	4.20E-07	3.72E-07	7.92E-07	3.13E-07	1.90E-07	5.03E-07
60	563358.24	4234901.93	2.30E-06	1.90E-06	4.20E-06	3.90E-07	3.04E-07	6.94E-07	1.86E-06	1.39E-06	3.25E-06	3.04E-07	2.70E-07	5.74E-07	2.27E-07	1.38E-07	3.65E-07
61	563360.52	4234916.29	2.24E-06	1.84E-06	4.08E-06	3.79E-07	2.95E-07	6.75E-07	1.81E-06	1.35E-06	3.16E-06	2.96E-07	2.62E-07	5.58E-07	2.21E-07	1.34E-07	3.55E-07
62	563362.8	4234930.66	2.17E-06	1.79E-06	3.96E-06	3.69E-07	2.87E-07	6.55E-07	1.75E-06	1.31E-06	3.07E-06	2.87E-07	2.55E-07	5.42E-07	2.14E-07	1.30E-07	3.44E-07
63	563365.08	4234945.02	2.12E-06	1.74E-06	3.86E-06	3.59E-07	2.79E-07	6.39E-07	1.71E-06	1.28E-06	2.99E-06	2.80E-07	2.48E-07	5.28E-07	2.09E-07	1.27E-07	3.36E-07
64	563367.36	4234959.38	2.06E-06	1.69E-06	3.75E-06	3.49E-07	2.72E-07	6.20E-07	1.66E-06	1.24E-06	2.90E-06	2.72E-07	2.41E-07	5.13E-07	2.03E-07	1.23E-07	3.26E-07
65	563366.02	4234980.04	2.01E-06	1.66E-06	3.67E-06	3.41E-07	2.66E-07	6.07E-07	1.62E-06	1.22E-06	2.84E-06	2.66E-07	2.36E-07	5.02E-07	1.99E-07	1.20E-07	3.19E-07
66	563358.77	4234992.64	2.08E-06	1.71E-06	3.79E-06	3.53E-07	2.75E-07	6.28E-07	1.68E-06	1.26E-06	2.94E-06	2.75E-07	2.44E-07	5.19E-07	2.05E-07	1.25E-07	3.30E-07
67	563351.53	4235005.25	2.14E-06	1.76E-06	3.91E-06	3.63E-07	2.83E-07	6.46E-07	1.73E-06	1.29E-06	3.02E-06	2.83E-07	2.51E-07	5.34E-07	2.12E-07	1.28E-07	3.40E-07
68	563344.28	4235017.85	2.19E-06	1.81E-06	4.00E-06	3.72E-07	2.90E-07	6.62E-07	1.77E-06	1.33E-06	3.10E-06	2.90E-07	2.57E-07	5.47E-07	2.17E-07	1.31E-07	3.48E-07
69	563337.03	4235030.46	2.23E-06	1.84E-06	4.07E-06	3.79E-07	2.95E-07	6.74E-07	1.80E-06	1.35E-06	3.15E-06	2.95E-07	2.62E-07	5.57E-07	2.21E-07	1.34E-07	3.54E-07
70	563353.46	4234888.05	2.43E-06	2.00E-06	4.43E-06	4.12E-07	3.21E-07	7.32E-07	1.96E-06	1.47E-06	3.43E-06	3.21E-07	2.84E-07	6.05E-07	2.40E-07	1.45E-07	3.85E-07
71	563346.19	4234874.65	2.63E-06	2.17E-06	4.80E-06	4.47E-07	3.48E-07	7.94E-07	2.13E-06	1.59E-06	3.72E-06	3.48E-07	3.08E-07	6.56E-07	2.60E-07	1.58E-07	4.17E-07
72	563375.8	4234892.3	1.96E-06	1.61E-06	3.57E-06	3.32E-07	2.59E-07	5.91E-07	1.58E-06	1.18E-06	2.77E-06	2.59E-07	2.30E-07	4.89E-07	1.93E-07	1.17E-07	3.11E-07
73	563378.05	4234906.48	1.91E-06	1.58E-06	3.49E-06	3.25E-07	2.53E-07	5.78E-07	1.55E-06	1.16E-06	2.70E-06	2.53E-07	2.24E-07	4.77E-07	1.89E-07	1.15E-07	3.04E-07
74	563380.3	4234920.65	1.87E-06	1.54E-06	3.41E-06	3.17E-07	2.47E-07	5.64E-07	1.51E-06	1.13E-06	2.64E-06	2.47E-07	2.19E-07	4.66E-07	1.85E-07	1.12E-07	2.97E-07
75	563382.56	4234934.83	1.83E-06	1.50E-06	3.33E-06	3.10E-07	2.41E-07	5.51E-07	1.47E-06	1.10E-06	2.58E-06	2.41E-07	2.14E-07	4.55E-07	1.80E-07	1.09E-07	2.90E-07
76	563384.81	4234949.01	1.78E-06	1.47E-06	3.25E-06	3.03E-07	2.35E-07	5.38E-07	1.44E-06	1.08E-06	2.52E-06	2.36E-07	2.09E-07	4.45E-07	1.76E-07	1.07E-07	2.83E-07
77	563387.06	4234963.18	1.73E-06	1.43E-06	3.16E-06	2.94E-07	2.29E-07	5.23E-07	1.40E-06	1.05E-06	2.45E-06	2.29E-07	2.03E-07	4.32E-07	1.71E-07	1.04E-07	2.75E-07
78	563385.74	4234983.58	1.72E-06	1.42E-06	3.14E-06	2.92E-07	2.27E-07	5.19E-07	1.39E-06	1.04E-06	2.43E-06	2.27E-07	2.01E-07	4.29E-07	1.70E-07	1.03E-07	2.73E-07
79	563378.58	4234996.02	1.78E-06	1.46E-06	3.24E-06	3.01E-07	2.35E-07	5.36E-07	1.43E-06	1.07E-06	2.51E-06	2.35E-07	2.08E-07	4.43E-07	1.75E-07	1.06E-07	2.82E-07
80	563371.43	4235008.47	1.83E-06	1.51E-06	3.34E-06	3.11E-07	2.42E-07	5.52E-07	1.48E-06	1.11E-06	2.58E-06	2.42E-07	2.15E-07	4.57E-07	1.81E-07	1.10E-07	2.90E-07
81	563364.27	4235020.91	1.88E-06	1.55E-06	3.43E-06	3.19E-07	2.48E-07	5.67E-07	1.52E-06	1.14E-06	2.65E-06	2.49E-07	2.20E-07	4.69E-07	1.86E-07	1.13E-07	2.98E-07
82	563357.12	4235033.35	1.92E-06	1.58E-06	3.50E-06	3.26E-07	2.54E-07	5.80E-07	1.55E-06	1.16E-06	2.71E-06	2.54E-07	2.25E-07	4.79E-07	1.90E-07	1.15E-07	3.05E-07
83	563349.96	4235045.8	1.95E-06	1.61E-06	3.56E-06	3.31E-07	2.58E-07	5.89E-07	1.58E-06	1.18E-06	2.76E-06	2.58E-07	2.29E-07	4.87E-07	1.93E-07	1.17E-07	3.10E-07
84	563371.04	4234878.51	2.05E-06	1.69E-06	3.75E-06	3.49E-07	2.71E-07	6.20E-07	1.66E-06	1.24E-06	2.90E-06	2.72E-07	2.41E-07	5.12E-07	2.03E-07	1.23E-07	3.26E-07
85	563363.76	4234865.11	2.21E-06	1.82E-06	4.03E-06	3.75E-07	2.92E-07	6.67E-07	1.79E-06	1.34E-06	3.12E-06	2.92E-07	2.59E-07	5.52E-07	2.18E-07	1.32E-07	3.51E-07
86	563393.45	4234883.19	1.68E-06	1.39E-06	3.07E-06	2.86E-07	2.22E-07	5.08E-07	1.36E-06	1.02E-06	2.38E-06	2.23E-07	1.97E-07	4.20E-07	1.66E-07	1.01E-07	2.67E-07
87	563395.84	4234898.24	1.65E-06	1.36E-06	3.00E-06	2.79E-07	2.18E-07	4.97E-07	1.33E-06	9.96E-07	2.33E-06	2.18E-07	1.93E-07	4.11E-07	1.63E-07	9.86E-08	2.61E-07
88	563398.23	4234913.28	1.61E-06	1.33E-06	2.94E-06	2.74E-07	2.13E-07	4.87E-07	1.30E-06	9.75E-07	2.28E-06	2.13E-07	1.89E-07	4.03E-07	1.59E-07	9.66E-08	2.56E-07
89	563400.62	4234928.33	1.58E-06	1.30E-06	2.88E-06	2.68E-07	2.09E-07	4.77E-07	1.28E-06	9.55E-07	2.23E-06	2.09E-07	1.85E-07	3.94E-07	1.56E-07	9.46E-08	2.51E-07

90	563403.01	4234943.37	1.55E-06	1.27E-06	2.82E-06	2.62E-07	2.04E-07	4.67E-07	1.25E-06	9.35E-07	2.18E-06	2.05E-07	1.81E-07	3.86E-07	1.53E-07	9.26E-08	2.45E-07
91	563405.4	4234958.41	1.51E-06	1.24E-06	2.75E-06	2.56E-07	1.99E-07	4.55E-07	1.22E-06	9.12E-07	2.13E-06	1.99E-07	1.77E-07	3.76E-07	1.49E-07	9.03E-08	2.39E-07
92	563407.79	4234973.46	1.47E-06	1.21E-06	2.69E-06	2.50E-07	1.95E-07	4.44E-07	1.19E-06	8.90E-07	2.08E-06	1.95E-07	1.73E-07	3.67E-07	1.45E-07	8.81E-08	2.34E-07
93	563405.19	4234987.58	1.49E-06	1.22E-06	2.71E-06	2.52E-07	1.96E-07	4.49E-07	1.20E-06	8.98E-07	2.10E-06	1.97E-07	1.74E-07	3.71E-07	1.47E-07	8.90E-08	2.36E-07
94	563397.59	4235000.79	1.54E-06	1.27E-06	2.81E-06	2.61E-07	2.03E-07	4.64E-07	1.24E-06	9.30E-07	2.17E-06	2.03E-07	1.80E-07	3.84E-07	1.52E-07	9.21E-08	2.44E-07
95	563390	4235013.99	1.59E-06	1.31E-06	2.90E-06	2.69E-07	2.10E-07	4.79E-07	1.28E-06	9.59E-07	2.24E-06	2.10E-07	1.86E-07	3.96E-07	1.57E-07	9.50E-08	2.52E-07
96	563382.41	4235027.2	1.63E-06	1.35E-06	2.98E-06	2.77E-07	2.16E-07	4.93E-07	1.32E-06	9.88E-07	2.31E-06	2.16E-07	1.91E-07	4.08E-07	1.61E-07	9.78E-08	2.59E-07
97	563374.81	4235040.4	1.68E-06	1.38E-06	3.06E-06	2.84E-07	2.21E-07	5.05E-07	1.35E-06	1.01E-06	2.36E-06	2.22E-07	1.96E-07	4.18E-07	1.65E-07	1.00E-07	2.66E-07
98	563367.22	4235053.61	1.71E-06	1.41E-06	3.11E-06	2.90E-07	2.25E-07	5.15E-07	1.38E-06	1.03E-06	2.41E-06	2.26E-07	2.00E-07	4.26E-07	1.69E-07	1.02E-07	2.71E-07
99	563359.63	4235066.81	1.73E-06	1.43E-06	3.16E-06	2.94E-07	2.28E-07	5.22E-07	1.40E-06	1.05E-06	2.44E-06	2.29E-07	2.03E-07	4.32E-07	1.71E-07	1.04E-07	2.74E-07
100	563388.61	4234868.97	1.75E-06	1.44E-06	3.19E-06	2.97E-07	2.31E-07	5.28E-07	1.41E-06	1.06E-06	2.47E-06	2.32E-07	2.05E-07	4.37E-07	1.73E-07	1.05E-07	2.78E-07
101	563381.34	4234855.57	1.86E-06	1.53E-06	3.39E-06	3.16E-07	2.46E-07	5.61E-07	1.50E-06	1.12E-06	2.63E-06	2.46E-07	2.18E-07	4.64E-07	1.84E-07	1.11E-07	2.95E-07
102	563411	4234873.54	1.46E-06	1.21E-06	2.67E-06	2.48E-07	1.93E-07	4.42E-07	1.18E-06	8.85E-07	2.07E-06	1.94E-07	1.72E-07	3.65E-07	1.45E-07	8.76E-08	2.32E-07
103	563413.36	4234888.35	1.44E-06	1.18E-06	2.62E-06	2.44E-07	1.90E-07	4.33E-07	1.16E-06	8.67E-07	2.03E-06	1.90E-07	1.68E-07	3.58E-07	1.42E-07	8.59E-08	2.28E-07
104	563415.71	4234903.15	1.41E-06	1.16E-06	2.57E-06	2.39E-07	1.86E-07	4.25E-07	1.14E-06	8.52E-07	1.99E-06	1.86E-07	1.65E-07	3.51E-07	1.39E-07	8.43E-08	2.23E-07
105	563418.06	4234917.96	1.39E-06	1.14E-06	2.53E-06	2.35E-07	1.83E-07	4.18E-07	1.12E-06	8.37E-07	1.96E-06	1.83E-07	1.62E-07	3.46E-07	1.37E-07	8.29E-08	2.20E-07
106	563420.42	4234932.77	1.36E-06	1.12E-06	2.48E-06	2.31E-07	1.80E-07	4.11E-07	1.10E-06	8.23E-07	1.92E-06	1.80E-07	1.60E-07	3.40E-07	1.34E-07	8.15E-08	2.16E-07
107	563422.77	4234947.58	1.34E-06	1.10E-06	2.44E-06	2.27E-07	1.77E-07	4.03E-07	1.08E-06	8.08E-07	1.89E-06	1.77E-07	1.57E-07	3.33E-07	1.32E-07	8.00E-08	2.12E-07
108	563425.12	4234962.39	1.31E-06	1.08E-06	2.39E-06	2.22E-07	1.73E-07	3.95E-07	1.06E-06	7.91E-07	1.85E-06	1.73E-07	1.53E-07	3.26E-07	1.29E-07	7.83E-08	2.08E-07
109	563427.48	4234977.2	1.29E-06	1.06E-06	2.35E-06	2.18E-07	1.70E-07	3.88E-07	1.04E-06	7.78E-07	1.82E-06	1.70E-07	1.51E-07	3.21E-07	1.27E-07	7.70E-08	2.04E-07
110	563424.92	4234991.1	1.30E-06	1.07E-06	2.37E-06	2.20E-07	1.71E-07	3.91E-07	1.05E-06	7.84E-07	1.83E-06	1.71E-07	1.52E-07	3.23E-07	1.28E-07	7.76E-08	2.06E-07
111	563417.44	4235004.1	1.34E-06	1.10E-06	2.44E-06	2.27E-07	1.77E-07	4.04E-07	1.08E-06	8.09E-07	1.89E-06	1.77E-07	1.57E-07	3.34E-07	1.32E-07	8.01E-08	2.12E-07
112	563409.97	4235017.1	1.38E-06	1.14E-06	2.52E-06	2.34E-07	1.82E-07	4.17E-07	1.11E-06	8.34E-07	1.95E-06	1.83E-07	1.62E-07	3.44E-07	1.36E-07	8.26E-08	2.19E-07
113	563402.49	4235030.1	1.42E-06	1.17E-06	2.59E-06	2.41E-07	1.88E-07	4.29E-07	1.15E-06	8.59E-07	2.01E-06	1.88E-07	1.67E-07	3.55E-07	1.40E-07	8.51E-08	2.25E-07
114	563395.02	4235043.1	1.46E-06	1.20E-06	2.66E-06	2.48E-07	1.93E-07	4.41E-07	1.18E-06	8.82E-07	2.06E-06	1.93E-07	1.71E-07	3.64E-07	1.44E-07	8.74E-08	2.32E-07
115	563387.54	4235056.1	1.49E-06	1.23E-06	2.72E-06	2.53E-07	1.97E-07	4.51E-07	1.21E-06	9.03E-07	2.11E-06	1.98E-07	1.75E-07	3.73E-07	1.48E-07	8.94E-08	2.37E-07
116	563380.07	4235069.1	1.52E-06	1.25E-06	2.77E-06	2.58E-07	2.01E-07	4.59E-07	1.23E-06	9.19E-07	2.15E-06	2.01E-07	1.78E-07	3.79E-07	1.50E-07	9.10E-08	2.41E-07
117	563372.59	4235082.09	1.54E-06	1.27E-06	2.81E-06	2.61E-07	2.03E-07	4.64E-07	1.24E-06	9.30E-07	2.17E-06	2.03E-07	1.80E-07	3.84E-07	1.52E-07	9.21E-08	2.44E-07
118	563406.19	4234859.43	1.51E-06	1.25E-06	2.76E-06	2.57E-07	2.00E-07	4.56E-07	1.22E-06	9.14E-07	2.14E-06	2.00E-07	1.77E-07	3.77E-07	1.49E-07	9.05E-08	2.40E-07
119	563398.92	4234846.03	1.59E-06	1.31E-06	2.89E-06	2.69E-07	2.10E-07	4.79E-07	1.28E-06	9.59E-07	2.24E-06	2.10E-07	1.86E-07	3.96E-07	1.57E-07	9.50E-08	2.52E-07
120	563428.57	4234863.9	1.29E-06	1.06E-06	2.35E-06	2.19E-07	1.70E-07	3.89E-07	1.04E-06	7.80E-07	1.82E-06	1.71E-07	1.51E-07	3.22E-07	1.27E-07	7.72E-08	2.05E-07
121	563430.89	4234878.53	1.26E-06	1.04E-06	2.31E-06	2.14E-07	1.67E-07	3.81E-07	1.02E-06	7.64E-07	1.78E-06	1.67E-07	1.48E-07	3.15E-07	1.25E-07	7.57E-08	2.01E-07
122	563433.22	4234893.16	1.24E-06	1.02E-06	2.26E-06	2.11E-07	1.64E-07	3.75E-07	1.00E-06	7.50E-07	1.75E-06	1.64E-07	1.45E-07	3.10E-07	1.23E-07	7.43E-08	1.97E-07
123	563435.54	4234907.78	1.22E-06	1.01E-06	2.23E-06	2.07E-07	1.61E-07	3.69E-07	9.87E-07	7.39E-07	1.73E-06	1.62E-07	1.43E-07	3.05E-07	1.21E-07	7.31E-08	1.94E-07
124	563437.86	4234922.41	1.20E-06	9.93E-07	2.20E-06	2.04E-07	1.59E-07	3.64E-07	9.73E-07	7.28E-07	1.70E-06	1.59E-07	1.41E-07	3.01E-07	1.19E-07	7.21E-08	1.91E-07
125	563440.19	4234937.03	1.19E-06	9.78E-07	2.17E-06	2.01E-07	1.57E-07	3.58E-07	9.59E-07	7.18E-07	1.68E-06	1.57E-07	1.39E-07	2.96E-07	1.17E-07	7.11E-08	1.88E-07
126	563442.51	4234951.66	1.17E-06	9.63E-07	2.13E-06	1.98E-07	1.54E-07	3.53E-07	9.44E-07	7.06E-07	1.65E-06	1.55E-07	1.37E-07	2.91E-07	1.15E-07	6.99E-08	1.85E-07
127	563444.84	4234966.29	1.15E-06	9.45E-07	2.09E-06	1.95E-07	1.51E-07	3.46E-07	9.26E-07	6.93E-07	1.62E-06	1.52E-07	1.34E-07	2.86E-07	1.13E-07	6.86E-08	1.82E-07
128	563447.16	4234980.91	1.14E-06	9.35E-07	2.07E-06	1.93E-07	1.50E-07	3.43E-07	9.17E-07	6.86E-07	1.60E-06	1.50E-07	1.33E-07	2.83E-07	1.12E-07	6.79E-08	1.80E-07
129	563444.63	4234994.64	1.14E-06	9.40E-07	2.08E-06	1.94E-07	1.51E-07	3.44E-07	9.22E-07	6.90E-07	1.61E-06	1.51E-07	1.34E-07	2.85E-07	1.13E-07	6.83E-08	1.81E-07
130	563437.25	4235007.48	1.18E-06	9.69E-07	2.14E-06	2.00E-07	1.55E-07	3.55E-07	9.50E-07	7.11E-07	1.66E-06	1.56E-07	1.38E-07	2.93E-07	1.16E-07	7.04E-08	1.87E-07
131	563429.87	4235020.32	1.21E-06	9.97E-07	2.21E-06	2.05E-07	1.60E-07	3.65E-07	9.77E-07	7.32E-07	1.71E-06	1.60E-07	1.42E-07	3.02E-07	1.20E-07	7.25E-08	1.92E-07
132	563422.48	4235033.16	1.25E-06	1.03E-06	2.27E-06	2.11E-07	1.65E-07	3.76E-07	1.01E-06	7.53E-07	1.76E-06	1.65E-07	1.46E-07	3.11E-07	1.23E-07	7.46E-08	1.98E-07
133	563415.1	4235046	1.28E-06	1.06E-06	2.34E-06	2.17E-07	1.69E-07	3.87E-07	1.03E-06	7.74E-07	1.81E-06	1.69E-07	1.50E-07	3.20E-07	1.27E-07	7.67E-08	2.03E-07
134	563407.72	4235058.84	1.31E-06	1.08E-06	2.40E-06	2.23E-07	1.73E-07	3.96E-07	1.06E-06	7.94E-07	1.85E-06	1.74E-07	1.54E-07	3.28E-07	1.30E-07	7.86E-08	2.08E-07
135	563400.34	4235071.68	1.34E-06	1.10E-06	2.45E-06	2.28E-07	1.77E-07	4.05E-07	1.08E-06	8.10E-07	1.89E-06	1.77E-07	1.57E-07	3.34E-07	1.32E-07	8.03E-08	2.13E-07
136	563392.95	4235084.51	1.36E-06	1.12E-06	2.49E-06	2.31E-07	1.80E-07	4.11E-07	1.10E-06	8.24E-07	1.92E-06	1.80E-07	1.60E-07	3.40E-07	1.35E-07	8.16E-08	2.16E-07
137	563385.57	4235097.35	1.38E-06	1.14E-06	2.51E-06	2.34E-07	1.82E-07	4.16E-07	1.11E-06	8.33E-07	1.95E-06	1.82E-07	1.61E-07	3.44E-07	1.36E-07	8.25E-08	2.19E-07
138	563423.77	4234849.89	1.34E-06	1.11E-06	2.45E-06	2.28E-07	1.77E-07	4.05E-07	1.08E-06	8.12E-07	1.90E-06	1.78E-07	1.57E-07	3.35E-07	1.33E-07	8.04E-08	2.13E-07
139	563416.5	4234836.49	1.40E-06	1.15E-06	2.55E-06	2.37E-07	1.85E-07	4.22E-07	1.13E-06	8.46E-07	1.98E-06	1.85E-07	1.64E-07	3.49E-07	1.38E-07	8.38E-08	2.22E-07
140	563446.13	4234854.29	1.15E-06	9.48E-07	2.10E-06	1.95E-07	1.52E-07	3.47E-07	9.29E-07	6.95E-07	1.62E-06	1.52E-07	1.35E-07	2.87E-07	1.14E-07	6.89E-08	1.83E-07
141	563448.43	4234868.77	1.13E-06	9.28E-07	2.05E-06	1.91E-07	1.49E-07	3.40E-07	9.09E-07	6.81E-07	1.59E-06	1.49E-07	1.32E-07	2.81E-07	1.11E-07	6.74E-08	1.79E-07
142	563450.74	4234883.25	1.10E-06	9.10E-07	2.02E-06	1.87E-07	1.46E-07	3.33E-07	8.92E-07	6.68E-07	1.56E-06	1.46E-07	1.29E-07	2.76E-07	1.09E-07	6.61E-08	1.75E-07
143	563453.04	4234897.73	1.09E-06	8.96E-07	1.98E-06	1.85E-07	1.44E-07	3.28E-07	8.78E-07	6.57E-07	1.54E-06	1.44E-07	1.27E-07	2.71E-07	1.07E-07	6.51E-08	1.72E-07
144	563455.34	4234912.21	1.07E-06	8.84E-07	1.96E-06	1.82E-07	1.42E-07	3.24E-07	8.67E-07	6.49E-07	1.52E-06	1.42E-07	1.26E-07	2.68E-07	1.06E-07	6.42E-08	1.70E-07
145	563457.64	4234926.69	1.06E-06	8.76E-07	1.94E-06	1.80E-07	1.40E-07	3.21E-07	8.58E-07	6.42E-07	1.50E-06	1.41E-07	1.25E-07	2.65E-07	1.05E-07	6.36E-08	1.69E-07
146	563459.94	4234941.17	1.05E-06	8.68E-07	1.92E-06	1.79E-07	1.39E-07	3.18E-07	8.51E-07	6.37E-07	1.49E-06	1.39E-07	1.23E-07	2.63E-07	1.04E-07	6.31E-08	1.67E-07
147	563462.24	4234955.65	1.04E-06	8.58E-07	1.90E-06	1.77E-07	1.38E-07	3.14E-07	8.41E-07	6.29E-07	1.47E-06	1.38E-07	1.22E-07	2.60E-07	1.03E-07	6.23E-08	1.65E-07
148	563464.54	4234970.13	1.03E-06	8.47E-07	1.88E-06	1.74E-07	1.36E-07	3.10E-07	8.30E-07	6.22E-07	1.45E-06	1.36E-07	1.21E-07	2.57E-07	1.02E-07	6.16E-08	1.63E-07
149	563466.84	4234984.61	1.01E-06	8.33E-07	1.84E-06	1.72E-07	1.34E-07	3.05E-07	8.16E-07	6.11E-07	1.43E-06	1.34E-07	1.18E-07	2.52E-07	9.99E-08	6.05E-08	1.60E-07
150	563464.34	4234998.2	1.01E-06	8.35E-07	1.85E-06	1.72E-07	1.34E-07	3.06E-07	8.18E-07	6.12E-07	1.43E-06	1.34E-07	1.19E-07	2.53E-07	1.00E-07	6.06E-08	1.61E-07
151	563457.03	4235010.91	1.04E-06	8.58E-07	1.90E-06	1.77E-07	1.38E-07	3.14E-07	8.41E-07	6.29E-07	1.47E-06	1.38E-07	1.22E-07	2.60E-07	1.03E-07	6.23E-08	1.65E-07
152	563449.72	4235023.62	1.07E-06	8.81E-07	1.95E-06	1.82E-07	1.41E-07	3.23E-07	8.64E-07	6.47E-07	1.51E-06	1.41E-07	1.25E-07	2.67E-07	1.06E-07	6.40E-08	1.70E-07
153	563442.41	4235036.33	1.10E-06	9.06E-07	2.01E-06	1.87E-07	1.45E-07	3.32E-07	8.88E-07	6.65E-07	1.55E-06	1.45E-07	1.29E-07	2.74E-07	1.09E-07	6.58E-08	1.74E-07
154	563435.1	4235049.04	1.13E-06	9.31E-07	2.06E-06	1.92E-07	1.49E-07	3.41E-07	9.13E-07	6.83E-07	1.60E-06	1.49E-07	1.32E-07	2.82E-07	1.12E-07	6.77E-08	1.79E-07
155	563427.79	4235061.75	1.16E-06	9.56E-07	2.12E-06	1.97E-07	1.53E-07	3.50E-07	9.37E-07	7.01E-07	1.64E-06	1.53E-07	1.36E-07	2.89E-07	1.15E-07	6.95E-08	1.84E-07
156	563420.49	4235074.46	1.19E-06	9.79E-07	2.17E-06	2.02E-07	1.57E-07	3.58E-07	9.59E-07	7.18E-07	1.68E-06	1.57E-07	1.39E-07	2.96E-07	1.17E-07	7.11E-08	1.88E-07
157	563413.18	4235087.17	1.21E-06	9.98E-07	2.21E-06	2.06E-07	1.60E-07	3.65E-07	9.78E-07	7.32E-07	1.71E-06	1.60E-07	1.42E-07	3.02E-07	1.20E-07	7.25E-08	1.92E-07
158	563405.87	4235099.88	1.23E-06	1.01E-06	2.24E-06	2.09E-07	1.62E-07	3.71E-07	9.93E-07	7.43E-07	1.74E-06	1.63E-07	1.44E-07	3.07E-07	1.21E-07	7.36E-08	1.95E-07
159	563398.56	4235112.59	1.24E-06	1.02E-06	2.27E-06	2.11E-07	1.64E-07	3.75E-07	1.00E-06	7.51E-07	1.75E-06	1.64E-07	1.46E-07	3.10E-07	1.23E-07	7.44E-08	1.97E-07
160	563441.35	4234840.35	1.19E-06	9.78E-07	2.16E-06	2.01E-07	1.57E-07	3.58E-07	9.58E-07	7.17E-07	1.68E-06	1.57E-07	1.39E-07	2.96E-07	1.17E-07	7.10E-08	1.88E-07
161	563434.07	4234826.95	1.23E-06	1.02E-06	2.25E-06	2.09E-07	1.63E-07	3.72E-07	9.96E-07	7.46E-07	1.74E-06	1.63E-07	1.45E-07	3.08E-07	1.22E-07	7.39E-08	1.96E-07
162	563463.76	4234845.03	1.04E-06	8.53E-07	1.89E-06	1.76E-07	1.37E-07	3.13E-07	8.36E-07	6.26E-07	1.46E-06	1.37E-07	1.21E-07	2.58E-07	1.02E-07	6.20E-08	1.64E-07
163	563466.15	4234860.08	1.01E-06	8.35E-07	1.85E-06	1.72E-07	1.34E-07	3.06E-07	8.18E-07	6.12E-07	1.43E-06	1.34E-07	1.19E-07	2.53E-07	1.00E-07	6.06E-08	1.61E-07
164	563468.54	4234875.12	9.92E-07	8.17E-07	1.81E-06	1.68E-07	1.31E-07	2.99E-07	8.01E-07	5.99E-07	1.40E-06	1.31E-07	1.16E-07	2.47E-07	9.80E-08	5.94E-08	1.57E-07
165	563470.93	4234890.16	9.75E-07	8.03E-07	1.78E-06	1.65E-07	1.29E-07	2.94E-07	7.87E-07	5.89E-07	1.38E-06	1.29E-07	1.14E-07	2.43E-07	9.63E-08	5.83E-08	1.55E-07
166	563473.32	4234905.21	9.61E-07	7.92E-07	1.75E-06	1.63E-07	1.27E-07	2.90E-07	7.76E-07	5.81E-07	1.36E-06	1.27E-07	1.13E-07	2.40E-07	9.49E-08	5.75E-08	1.52E-07
167	563475.71	4234920.25	9.62E-07	7.92E-07	1.75E-06	1.63E-07	1.27E-07	2.90E-07	7.76E-07	5.81E-07	1.36E-06	1.27E-07	1.13E-07	2.40E-07	9.50E-08	5.76E-08	1.53E-07
168	563478.1	4234935.3	9.61E-07	7.92E-07	1.75E-06	1.63E-07	1.27E-07	2.90E-07	7.76E-07	5.81E-07	1.36E-06	1.27E-07	1.13E-07	2.40E-07	9.49E-08	5.75E-08	1.52E-07
169	563480.49	4234950.34	9.49E-07	7.82E-07	1.73E-06	1.61E-07	1.25E-07	2.86E-07	7.66E-07	5.74E-07	1.34E-06	1.25E-07	1.11E-07	2.37E-07	9.37E-08	5.68E-08	1.51E-07
170	563482.88	4234965.38	9.34E-07	7.70E-07	1.70E-06	1.59E-07	1.23E-07	2.82E-07	7.54E-07	5.65E-07	1.32E-06	1.24E-07	1.09E-07	2.33E-07	9.23E-08	5.59E-08	1.48E-07
171	563485.27	4234980.43	9.16E-07	7.55E-07	1.67E-06	1.55E-07	1.21E-07	2.76E-07	7.40E-07	5.54E-07	1.29E-06	1.21E-07	1.07E-07	2.29E-07	9.05E-08	5.48E-08	1.45E-07
172	563483.86	4235002.07	9.07E-07	7.47E-07	1.65E-06	1.54E-07	1.20E-07	2.74E-07	7.33E-07	5.48E-07	1.28E-06	1.20E-07	1.06E-07	2.26E-07	8.96E-08	5.43E-08	1.44E-07
173	563476.27	4235015.28	9.31E-07	7.67E-07	1.70E-06	1.58E-07	1.23E-07	2.81E-07	7.52E-07	5.63E-07	1.31E-06	1.23E-07	1.09E-07	2.32E-07	9.20E-08	5.57E-08	1.48E-07
174	563468.68	4235028.48	9.55E-07	7.87E-07	1.74E-06	1.62E-07	1.26E-07	2.88E-07	7.71E-07	5.77E-07	1.35E-06	1.26E-07	1.12E-07	2.38E-07	9.44E-08	5.72E-08	1.52E-07
175	563461.08	4235041.69	9.81E-07	8.09E-07	1.79E-06	1.67E-07	1.30E-07	2.96E-07	7.92E-07	5.93E-07	1.39E-06	1.30E-07	1.15E-07	2.45E-07	9.69E-08	5.87E-08	1.56E-07
176	563453.49	4235054.89	1.01E-06	8.32E-07	1.84E-06	1.71E-07	1.33E-07	3.05E-07	8.15E-07	6.10E-07	1.42E-06	1.33E-07	1.18E-07	2.52E-07	9.97E-08	6.04E-08	1.60E-07
177	563445.9	4235068.1	1.04E-06	8.55E-07	1.89E-06	1.76E-07	1.37E-07	3.13E-07	8.38E-07	6.27E-07	1.46E-06	1.37E-07	1.22E-07	2.59E-07	1.02E-07	6.21E-08	1.65E-07
178	563438.3	4235081.3	1.06E-06	8.77E-07	1.94E-06	1.81E-07	1.41E-07	3.21E-07	8.60E-07	6.43E-07	1.50E-06	1.41E-07	1.25E-07	2.66E-07	1.05E-07	6.37E-08	1.69E-07
179	563430.71	4235094.51	1.09E-06	8.96E-07	1.98E-06	1.85E-07	1.44E-07	3.28E-07	8.78E-07	6.58E-07	1.54E-06	1.44E-07	1.28E-07	2.71E-07	1.07E-07	6.51E-08	1.73E-07
180	563423.12	4235107.72	1.10E-06	9.10E-07	2.01E-06	1.87E-07	1.46E-07	3.33E-07	8.92E-07	6.68E-07	1.56E-06	1.46E-07	1.29E-07	2.76E-07	1.09E-07	6.61E-08	1.75E-07
181	563415.53	4235120.92	1.12E-06	9.21E-07	2.04E-06	1.90E-07	1.48E-07	3.37E-07	9.03E-07	6.76E-07	1.58E-06	1.48E-07	1.31E-07	2.79E-07	1.10E-07	6.69E-08	1.77E-07
182	563458.92	4234830.81	1.06E-06	8.73E-07	1.93E-06	1.80E-07	1.40E-07	3.20E-07	8.56E-07	6.40E-07	1.50E-06	1.40E-07	1.24E-07	2.64E-07	1.05E-07	6.34E-08	1.68E-07

183	563451.65	4234817.41	1.09E-06	9.02E-07	2.00E-06	1.86E-07	1.45E-07	3.30E-07	8.84E-07	6.62E-07	1.55E-06	1.45E-07	1.28E-07	2.73E-07	1.08E-07	6.55E-08	1.74E-07
184	563481.32	4234835.41	9.43E-07	7.77E-07	1.72E-06	1.60E-07	1.25E-07	2.85E-07	7.62E-07	5.70E-07	1.33E-06	1.25E-07	1.11E-07	2.35E-07	9.32E-08	5.65E-08	1.50E-07
185	563483.69	4234850.29	9.22E-07	7.60E-07	1.68E-06	1.57E-07	1.22E-07	2.78E-07	7.45E-07	5.57E-07	1.30E-06	1.22E-07	1.08E-07	2.30E-07	9.11E-08	5.52E-08	1.46E-07
186	563486.05	4234865.17	9.02E-07	7.43E-07	1.65E-06	1.53E-07	1.19E-07	2.72E-07	7.28E-07	5.45E-07	1.27E-06	1.19E-07	1.06E-07	2.25E-07	8.91E-08	5.40E-08	1.43E-07
187	563488.41	4234880.05	8.85E-07	7.29E-07	1.61E-06	1.50E-07	1.17E-07	2.67E-07	7.15E-07	5.35E-07	1.25E-06	1.17E-07	1.04E-07	2.21E-07	8.74E-08	5.30E-08	1.40E-07
188	563490.78	4234894.93	8.76E-07	7.22E-07	1.60E-06	1.49E-07	1.16E-07	2.64E-07	7.07E-07	5.29E-07	1.24E-06	1.16E-07	1.03E-07	2.18E-07	8.65E-08	5.24E-08	1.39E-07
189	563493.14	4234909.81	8.74E-07	7.20E-07	1.59E-06	1.48E-07	1.15E-07	2.64E-07	7.06E-07	5.28E-07	1.23E-06	1.16E-07	1.02E-07	2.18E-07	8.63E-08	5.23E-08	1.39E-07
190	563495.51	4234924.69	8.73E-07	7.19E-07	1.59E-06	1.48E-07	1.15E-07	2.63E-07	7.05E-07	5.28E-07	1.23E-06	1.15E-07	1.02E-07	2.18E-07	8.62E-08	5.23E-08	1.38E-07
191	563497.87	4234939.57	8.64E-07	7.12E-07	1.58E-06	1.47E-07	1.14E-07	2.61E-07	6.98E-07	5.22E-07	1.22E-06	1.14E-07	1.01E-07	2.16E-07	8.54E-08	5.17E-08	1.37E-07
192	563500.24	4234954.45	8.54E-07	7.03E-07	1.56E-06	1.45E-07	1.13E-07	2.58E-07	6.89E-07	5.16E-07	1.21E-06	1.13E-07	1.00E-07	2.13E-07	8.43E-08	5.11E-08	1.35E-07
193	563502.6	4234969.33	8.41E-07	6.93E-07	1.53E-06	1.43E-07	1.11E-07	2.54E-07	6.79E-07	5.08E-07	1.19E-06	1.11E-07	9.86E-08	2.10E-07	8.31E-08	5.04E-08	1.33E-07
194	563504.97	4234984.21	8.26E-07	6.81E-07	1.51E-06	1.40E-07	1.09E-07	2.49E-07	6.67E-07	4.99E-07	1.17E-06	1.09E-07	9.68E-08	2.06E-07	8.16E-08	4.94E-08	1.31E-07
195	563503.57	4235005.62	8.18E-07	6.74E-07	1.49E-06	1.39E-07	1.08E-07	2.47E-07	6.60E-07	4.94E-07	1.15E-06	1.08E-07	9.58E-08	2.04E-07	8.08E-08	4.90E-08	1.30E-07
196	563496.06	4235018.69	8.37E-07	6.90E-07	1.53E-06	1.42E-07	1.11E-07	2.53E-07	6.76E-07	5.06E-07	1.18E-06	1.11E-07	9.81E-08	2.09E-07	8.27E-08	5.01E-08	1.33E-07
197	563488.55	4235031.75	8.56E-07	7.06E-07	1.56E-06	1.45E-07	1.13E-07	2.58E-07	6.91E-07	5.18E-07	1.21E-06	1.13E-07	1.00E-07	2.14E-07	8.46E-08	5.13E-08	1.36E-07
198	563481.04	4235044.81	8.77E-07	7.23E-07	1.60E-06	1.49E-07	1.16E-07	2.65E-07	7.08E-07	5.30E-07	1.24E-06	1.16E-07	1.03E-07	2.19E-07	8.66E-08	5.25E-08	1.39E-07
199	563473.53	4235057.87	9.01E-07	7.42E-07	1.64E-06	1.53E-07	1.19E-07	2.72E-07	7.27E-07	5.44E-07	1.27E-06	1.19E-07	1.06E-07	2.25E-07	8.90E-08	5.39E-08	1.43E-07
200	563466.02	4235070.93	9.26E-07	7.63E-07	1.69E-06	1.57E-07	1.22E-07	2.79E-07	7.47E-07	5.59E-07	1.31E-06	1.22E-07	1.08E-07	2.31E-07	9.14E-08	5.54E-08	1.47E-07
201	563458.51	4235083.99	9.51E-07	7.83E-07	1.73E-06	1.61E-07	1.26E-07	2.87E-07	7.68E-07	5.75E-07	1.34E-06	1.26E-07	1.11E-07	2.37E-07	9.39E-08	5.69E-08	1.51E-07
202	563451	4235097.06	9.74E-07	8.02E-07	1.78E-06	1.65E-07	1.29E-07	2.94E-07	7.86E-07	5.89E-07	1.38E-06	1.29E-07	1.14E-07	2.43E-07	9.62E-08	5.83E-08	1.54E-07
203	563443.49	4235110.12	9.91E-07	8.16E-07	1.81E-06	1.68E-07	1.31E-07	2.99E-07	8.00E-07	5.99E-07	1.40E-06	1.31E-07	1.16E-07	2.47E-07	9.79E-08	5.93E-08	1.57E-07
204	563435.98	4235123.18	1.01E-06	8.28E-07	1.83E-06	1.71E-07	1.33E-07	3.03E-07	8.12E-07	6.08E-07	1.42E-06	1.33E-07	1.18E-07	2.51E-07	9.93E-08	6.02E-08	1.59E-07
205	563428.47	4235136.24	1.02E-06	8.39E-07	1.86E-06	1.73E-07	1.34E-07	3.07E-07	8.22E-07	6.15E-07	1.44E-06	1.35E-07	1.19E-07	2.54E-07	1.01E-07	6.09E-08	1.61E-07
206	563476.5	4234821.27	9.71E-07	8.00E-07	1.77E-06	1.65E-07	1.28E-07	2.93E-07	7.84E-07	5.87E-07	1.37E-06	1.28E-07	1.14E-07	2.42E-07	9.59E-08	5.81E-08	1.54E-07
207	563469.23	4234807.87	9.96E-07	8.21E-07	1.82E-06	1.69E-07	1.32E-07	3.01E-07	8.05E-07	6.02E-07	1.41E-06	1.32E-07	1.17E-07	2.49E-07	9.84E-08	5.96E-08	1.58E-07
208	563498.89	4234825.8	8.67E-07	7.14E-07	1.58E-06	1.47E-07	1.14E-07	2.61E-07	7.00E-07	5.24E-07	1.22E-06	1.15E-07	1.02E-07	2.16E-07	8.56E-08	5.19E-08	1.37E-07
209	563501.23	4234840.54	8.47E-07	6.98E-07	1.54E-06	1.44E-07	1.12E-07	2.56E-07	6.84E-07	5.12E-07	1.20E-06	1.12E-07	9.93E-08	2.11E-07	8.37E-08	5.07E-08	1.34E-07
210	563503.57	4234855.29	8.28E-07	6.82E-07	1.51E-06	1.40E-07	1.09E-07	2.50E-07	6.69E-07	5.00E-07	1.17E-06	1.09E-07	9.70E-08	2.07E-07	8.18E-08	4.96E-08	1.31E-07
211	563505.92	4234870.03	8.11E-07	6.68E-07	1.48E-06	1.38E-07	1.07E-07	2.45E-07	6.55E-07	4.90E-07	1.14E-06	1.07E-07	9.50E-08	2.02E-07	8.01E-08	4.85E-08	1.29E-07
212	563508.26	4234884.77	8.04E-07	6.63E-07	1.47E-06	1.36E-07	1.06E-07	2.43E-07	6.49E-07	4.86E-07	1.14E-06	1.06E-07	9.42E-08	2.01E-07	7.94E-08	4.81E-08	1.28E-07
213	563510.6	4234899.51	8.07E-07	6.65E-07	1.47E-06	1.37E-07	1.07E-07	2.44E-07	6.52E-07	4.88E-07	1.14E-06	1.07E-07	9.46E-08	2.01E-07	7.97E-08	4.83E-08	1.28E-07
214	563512.94	4234914.26	7.99E-07	6.58E-07	1.46E-06	1.36E-07	1.05E-07	2.41E-07	6.45E-07	4.83E-07	1.13E-06	1.06E-07	9.36E-08	1.99E-07	7.89E-08	4.78E-08	1.27E-07
215	563515.29	4234929	7.91E-07	6.52E-07	1.44E-06	1.34E-07	1.04E-07	2.39E-07	6.39E-07	4.78E-07	1.12E-06	1.05E-07	9.27E-08	1.97E-07	7.81E-08	4.73E-08	1.25E-07
216	563517.63	4234943.74	7.83E-07	6.45E-07	1.43E-06	1.33E-07	1.03E-07	2.36E-07	6.32E-07	4.73E-07	1.11E-06	1.04E-07	9.18E-08	1.95E-07	7.73E-08	4.69E-08	1.24E-07
217	563519.97	4234958.49	7.74E-07	6.38E-07	1.41E-06	1.31E-07	1.02E-07	2.34E-07	6.25E-07	4.68E-07	1.09E-06	1.02E-07	9.07E-08	1.93E-07	7.65E-08	4.63E-08	1.23E-07
218	563522.31	4234973.23	7.63E-07	6.29E-07	1.39E-06	1.30E-07	1.01E-07	2.30E-07	6.16E-07	4.61E-07	1.08E-06	1.01E-07	8.95E-08	1.90E-07	7.54E-08	4.57E-08	1.21E-07
219	563524.66	4234987.97	7.50E-07	6.18E-07	1.37E-06	1.27E-07	9.91E-08	2.26E-07	6.06E-07	4.53E-07	1.06E-06	9.92E-08	8.79E-08	1.87E-07	7.41E-08	4.49E-08	1.19E-07
220	563523.28	4235009.19	7.42E-07	6.12E-07	1.35E-06	1.26E-07	9.80E-08	2.24E-07	5.99E-07	4.49E-07	1.05E-06	9.82E-08	8.70E-08	1.85E-07	7.33E-08	4.44E-08	1.18E-07
221	563515.84	4235022.13	7.58E-07	6.24E-07	1.38E-06	1.29E-07	1.00E-07	2.29E-07	6.12E-07	4.58E-07	1.07E-06	1.00E-07	8.88E-08	1.89E-07	7.48E-08	4.54E-08	1.20E-07
222	563508.4	4235035.07	7.73E-07	6.37E-07	1.41E-06	1.31E-07	1.02E-07	2.33E-07	6.24E-07	4.67E-07	1.09E-06	1.02E-07	9.06E-08	1.93E-07	7.63E-08	4.63E-08	1.23E-07
223	563500.95	4235048.01	7.90E-07	6.51E-07	1.44E-06	1.34E-07	1.04E-07	2.38E-07	6.38E-07	4.77E-07	1.11E-06	1.04E-07	9.25E-08	1.97E-07	7.80E-08	4.73E-08	1.25E-07
224	563493.51	4235060.95	8.09E-07	6.66E-07	1.47E-06	1.37E-07	1.07E-07	2.44E-07	6.53E-07	4.89E-07	1.14E-06	1.07E-07	9.48E-08	2.02E-07	7.99E-08	4.84E-08	1.28E-07
225	563486.07	4235073.89	8.30E-07	6.84E-07	1.51E-06	1.41E-07	1.10E-07	2.50E-07	6.70E-07	5.02E-07	1.17E-06	1.10E-07	9.73E-08	2.07E-07	8.20E-08	4.97E-08	1.32E-07
226	563478.63	4235086.83	8.53E-07	7.02E-07	1.55E-06	1.45E-07	1.13E-07	2.57E-07	6.88E-07	5.15E-07	1.20E-06	1.13E-07	9.99E-08	2.13E-07	8.42E-08	5.10E-08	1.35E-07
227	563471.19	4235099.77	8.74E-07	7.20E-07	1.59E-06	1.48E-07	1.15E-07	2.64E-07	7.06E-07	5.28E-07	1.23E-06	1.16E-07	1.02E-07	2.18E-07	8.63E-08	5.23E-08	1.39E-07
228	563463.75	4235112.72	8.91E-07	7.34E-07	1.63E-06	1.51E-07	1.18E-07	2.69E-07	7.20E-07	5.39E-07	1.26E-06	1.18E-07	1.04E-07	2.22E-07	8.80E-08	5.33E-08	1.41E-07
229	563456.31	4235125.66	9.08E-07	7.48E-07	1.66E-06	1.54E-07	1.20E-07	2.74E-07	7.33E-07	5.49E-07	1.28E-06	1.20E-07	1.06E-07	2.26E-07	8.96E-08	5.43E-08	1.44E-07
230	563448.86	4235138.6	9.22E-07	7.60E-07	1.68E-06	1.56E-07	1.22E-07	2.78E-07	7.44E-07	5.57E-07	1.30E-06	1.22E-07	1.08E-07	2.30E-07	9.11E-08	5.52E-08	1.46E-07
231	563441.42	4235151.54	9.31E-07	7.67E-07	1.70E-06	1.58E-07	1.23E-07	2.81E-07	7.52E-07	5.63E-07	1.31E-06	1.23E-07	1.09E-07	2.32E-07	9.20E-08	5.57E-08	1.48E-07
232	563494.08	4234811.73	8.92E-07	7.35E-07	1.63E-06	1.51E-07	1.18E-07	2.69E-07	7.20E-07	5.39E-07	1.26E-06	1.18E-07	1.05E-07	2.22E-07	8.81E-08	5.34E-08	1.41E-07
233	563486.81	4234798.33	9.15E-07	7.54E-07	1.67E-06	1.55E-07	1.21E-07	2.76E-07	7.39E-07	5.53E-07	1.29E-06	1.21E-07	1.07E-07	2.28E-07	9.04E-08	5.48E-08	1.45E-07
234	563516.46	4234816.2	7.99E-07	6.58E-07	1.46E-06	1.35E-07	1.05E-07	2.41E-07	6.45E-07	4.83E-07	1.13E-06	1.06E-07	9.36E-08	1.99E-07	7.89E-08	4.78E-08	1.27E-07
235	563518.78	4234830.83	7.82E-07	6.45E-07	1.43E-06	1.33E-07	1.03E-07	2.36E-07	6.32E-07	4.73E-07	1.10E-06	1.03E-07	9.17E-08	1.95E-07	7.73E-08	4.68E-08	1.24E-07
236	563521.1	4234845.45	7.65E-07	6.31E-07	1.40E-06	1.30E-07	1.01E-07	2.31E-07	6.18E-07	4.63E-07	1.08E-06	1.01E-07	8.97E-08	1.91E-07	7.56E-08	4.58E-08	1.21E-07
237	563523.43	4234860.08	7.54E-07	6.21E-07	1.38E-06	1.28E-07	9.96E-08	2.28E-07	6.09E-07	4.56E-07	1.06E-06	9.97E-08	8.84E-08	1.88E-07	7.45E-08	4.51E-08	1.20E-07
238	563525.75	4234874.7	7.48E-07	6.16E-07	1.36E-06	1.27E-07	9.88E-08	2.26E-07	6.04E-07	4.52E-07	1.06E-06	9.89E-08	8.77E-08	1.87E-07	7.39E-08	4.48E-08	1.19E-07
239	563528.08	4234889.33	7.45E-07	6.14E-07	1.36E-06	1.26E-07	9.84E-08	2.25E-07	6.01E-07	4.50E-07	1.05E-06	9.85E-08	8.73E-08	1.86E-07	7.35E-08	4.46E-08	1.18E-07
240	563530.4	4234903.96	7.35E-07	6.06E-07	1.34E-06	1.25E-07	9.71E-08	2.22E-07	5.94E-07	4.44E-07	1.04E-06	9.73E-08	8.62E-08	1.83E-07	7.26E-08	4.40E-08	1.17E-07
241	563532.72	4234918.58	7.28E-07	6.00E-07	1.33E-06	1.24E-07	9.61E-08	2.20E-07	5.88E-07	4.40E-07	1.03E-06	9.63E-08	8.53E-08	1.82E-07	7.19E-08	4.36E-08	1.15E-07
242	563535.05	4234933.21	7.21E-07	5.94E-07	1.32E-06	1.22E-07	9.53E-08	2.18E-07	5.82E-07	4.36E-07	1.02E-06	9.54E-08	8.45E-08	1.80E-07	7.12E-08	4.32E-08	1.14E-07
243	563537.37	4234947.83	7.15E-07	5.89E-07	1.30E-06	1.21E-07	9.44E-08	2.16E-07	5.77E-07	4.32E-07	1.01E-06	9.45E-08	8.37E-08	1.78E-07	7.06E-08	4.28E-08	1.13E-07
244	563539.7	4234962.46	7.07E-07	5.82E-07	1.29E-06	1.20E-07	9.34E-08	2.13E-07	5.71E-07	4.27E-07	9.98E-07	9.35E-08	8.28E-08	1.76E-07	6.98E-08	4.23E-08	1.12E-07
245	563542.02	4234977.09	6.97E-07	5.75E-07	1.27E-06	1.18E-07	9.21E-08	2.10E-07	5.63E-07	4.21E-07	9.85E-07	9.22E-08	8.17E-08	1.74E-07	6.89E-08	4.17E-08	1.11E-07
246	563544.34	4234991.71	6.86E-07	5.65E-07	1.25E-06	1.16E-07	9.06E-08	2.07E-07	5.54E-07	4.14E-07	9.68E-07	9.07E-08	8.04E-08	1.71E-07	6.77E-08	4.10E-08	1.09E-07
247	563542.98	4235012.76	6.78E-07	5.59E-07	1.24E-06	1.15E-07	8.96E-08	2.05E-07	5.48E-07	4.10E-07	9.58E-07	8.97E-08	7.95E-08	1.69E-07	6.70E-08	4.06E-08	1.08E-07
248	563535.59	4235025.6	6.90E-07	5.69E-07	1.26E-06	1.17E-07	9.12E-08	2.08E-07	5.57E-07	4.17E-07	9.75E-07	9.13E-08	8.09E-08	1.72E-07	6.82E-08	4.13E-08	1.10E-07
249	563528.21	4235038.43	7.02E-07	5.79E-07	1.28E-06	1.19E-07	9.28E-08	2.12E-07	5.67E-07	4.24E-07	9.91E-07	9.29E-08	8.23E-08	1.75E-07	6.94E-08	4.20E-08	1.11E-07
250	563520.83	4235051.27	7.15E-07	5.89E-07	1.30E-06	1.21E-07	9.45E-08	2.16E-07	5.77E-07	4.32E-07	1.01E-06	9.46E-08	8.38E-08	1.78E-07	7.06E-08	4.28E-08	1.13E-07
251	563513.45	4235064.11	7.30E-07	6.02E-07	1.33E-06	1.24E-07	9.65E-08	2.20E-07	5.90E-07	4.41E-07	1.03E-06	9.66E-08	8.56E-08	1.82E-07	7.21E-08	4.37E-08	1.16E-07
252	563506.07	4235076.95	7.48E-07	6.16E-07	1.36E-06	1.27E-07	9.88E-08	2.26E-07	6.04E-07	4.52E-07	1.06E-06	9.89E-08	8.77E-08	1.87E-07	7.39E-08	4.48E-08	1.19E-07
253	563498.68	4235089.79	7.68E-07	6.33E-07	1.40E-06	1.30E-07	1.01E-07	2.32E-07	6.20E-07	4.64E-07	1.08E-06	1.02E-07	9.00E-08	1.92E-07	7.58E-08	4.60E-08	1.22E-07
254	563491.3	4235102.63	7.88E-07	6.49E-07	1.44E-06	1.34E-07	1.04E-07	2.38E-07	6.36E-07	4.76E-07	1.11E-06	1.04E-07	9.24E-08	1.97E-07	7.78E-08	4.72E-08	1.25E-07
255	563483.92	4235115.47	8.04E-07	6.62E-07	1.47E-06	1.36E-07	1.06E-07	2.43E-07	6.49E-07	4.86E-07	1.13E-06	1.06E-07	9.42E-08	2.00E-07	7.94E-08	4.81E-08	1.27E-07
256	563476.54	4235128.3	8.21E-07	6.77E-07	1.50E-06	1.39E-07	1.08E-07	2.48E-07	6.63E-07	4.96E-07	1.16E-06	1.09E-07	9.62E-08	2.05E-07	8.11E-08	4.92E-08	1.30E-07
257	563469.15	4235141.14	8.36E-07	6.89E-07	1.53E-06	1.42E-07	1.10E-07	2.52E-07	6.75E-07	5.06E-07	1.18E-06	1.11E-07	9.80E-08	2.09E-07	8.26E-08	5.01E-08	1.33E-07
258	563461.77	4235153.98	8.47E-07	6.98E-07	1.54E-06	1.44E-07	1.12E-07	2.56E-07	6.84E-07	5.12E-07	1.20E-06	1.12E-07	9.92E-08	2.11E-07	8.36E-08	5.07E-08	1.34E-07
259	563454.39	4235166.82	8.53E-07	7.03E-07	1.56E-06	1.45E-07	1.13E-07	2.57E-07	6.89E-07	5.15E-07	1.20E-06	1.13E-07	9.99E-08	2.13E-07	8.42E-08	5.10E-08	1.35E-07
260	563511.66	4234802.19	8.22E-07	6.77E-07	1.50E-06	1.39E-07	1.09E-07	2.48E-07	6.63E-07	4.97E-07	1.16E-06	1.09E-07	9.63E-08	2.05E-07	8.12E-08	4.92E-08	1.30E-07
261	563504.38	4234788.79	8.46E-07	6.97E-07	1.54E-06	1.44E-07	1.12E-07	2.55E-07	6.83E-07	5.11E-07	1.19E-06	1.12E-07	9.91E-08	2.11E-07	8.35E-08	5.06E-08	1.34E-07
262	563551.63	4234797.26	6.83E-07	5.63E-07	1.25E-06	1.16E-07	9.02E-08	2.06E-07	5.51E-07	4.13E-07	9.64E-07	9.03E-08	8.00E-08	1.70E-07	6.74E-08	4.09E-08	1.08E-07
263	563554	4234812.18	6.72E-07	5.54E-07	1.23E-06	1.14E-07	8.88E-08	2.03E-07	5.43E-07	4.06E-07	9.49E-07	8.89E-08	7.88E-08	1.68E-07	6.64E-08	4.02E-08	1.07E-07
264	563556.38	4234827.1	6.65E-07	5.48E-07	1.21E-06	1.13E-07	8.78E-08	2.01E-07	5.37E-07	4.02E-07	9.39E-07	8.79E-08	7.79E-08	1.66E-07	6.57E-08	3.98E-08	1.05E-07
265	563558.75	4234842.02	6.62E-07	5.46E-07	1.21E-06	1.12E-07	8.75E-08	2.00E-07	5.35E-07	4.00E-07	9.35E-07	8.76E-08	7.76E-08	1.65E-07	6.54E-08	3.96E-08	1.05E-07
266	563561.12	4234856.94	6.56E-07	5.41E-07	1.20E-06	1.11E-07	8.67E-08	1.98E-07	5.30E-07	3.96E-07	9.26E-07	8.68E-08	7.69E-08	1.64E-07	6.48E-08	3.93E-08	1.04E-07
267	563563.49	4234871.86	6.45E-07	5.31E-07	1.18E-06	1.09E-07	8.51E-08	1.95E-07	5.20E-07	3.90E-07	9.10E-07	8.52E-08	7.55E-08	1.61E-07	6.37E-08	3.86E-08	1.02E-07
268	563565.86	4234886.78	6.35E-07	5.23E-07	1.16E-06	1.08E-07	8.38E-08	1.92E-07	5.12E-07	3.84E-07	8.96E-07	8.39E-08	7.44E-08	1.58E-07	6.27E-08	3.80E-08	1.01E-07
269	563568.23	4234901.69	6.27E-07	5.16E-07	1.14E-06	1.06E-07	8.28E-08	1.89E-07	5.06E-07	3.79E-07	8.85E-07	8.29E-08	7.34E-08	1.56E-07	6.19E-08	3.75E-08	9.94E-08
270	563570.6	4234916.61	6.20E-07	5.11E-07	1.13E-06	1.05E-07	8.19E-08	1.87E-07	5.01E-07	3.75E-07	8.76E-07	8.21E-08	7.27E-08	1.55E-07	6.13E-08	3.71E-08	9.84E-08
271	563572.97	4234931.53	6.15E-07	5.07E-07	1.12E-06	1.04E-07	8.13E-08	1.86E-07	4.97E-07	3.72E-07	8.69E-07	8.14E-08	7.21E-08	1.53E-07	6.08E-08	3.68E-08	9.76E-08
272	563575.34	4234946.45	6.10E-07	5.03E-07	1.11E-06	1.04E-07	8.06E-08	1.84E-07	4.93E-07	3.69E-07	8.62E-07	8.07E-08	7.15E-08	1.52E-07	6.03E-08	3.65E-08	9.68E-08
273	563577.71	4234961.37	6.05E-07	4.98E-07	1.10E-06	1.03E-07	7.99E-08	1.82E-07	4.88E-07	3.65E-07	8.54E-07	8.00E-08	7.09E-08	1.51E-07	5.97E-08	3.62E-08	9.59E-08
274	563580.08	4234976.29	5.97E-07	4.92E-07	1.09E-06	1.01E-07	7.89E-08	1.80E-07	4.82E-07	3.61E-07	8.43E-07	7.90E-08	7.00E-08	1.49E-07	5.90E-08	3.57E-08	9.47E-08
275	563582.45	4234991.21	5.88E-07	4.84E-07	1.07E-06	9.98E-08	7.76E-08	1.77E-07	4.75E-07	3.55E-07	8.30E-07	7.77E-08	6.89E-08	1.47E-07	5.81E-08	3.52E-08	9.32E-08

276	563584.82	4235006.12	5.77E-07	4.75E-07	1.05E-06	9.78E-08	7.61E-08	1.74E-07	4.65E-07	3.48E-07	8.14E-07	7.62E-08	6.76E-08	1.44E-07	5.69E-08	3.45E-08	9.14E-08
277	563582.24	4235020.13	5.74E-07	4.73E-07	1.05E-06	9.74E-08	7.58E-08	1.73E-07	4.64E-07	3.47E-07	8.11E-07	7.59E-08	6.73E-08	1.43E-07	5.67E-08	3.44E-08	9.11E-08
278	563574.71	4235033.23	5.81E-07	4.79E-07	1.06E-06	9.86E-08	7.68E-08	1.75E-07	4.69E-07	3.51E-07	8.20E-07	7.69E-08	6.81E-08	1.45E-07	5.74E-08	3.48E-08	9.22E-08
279	563567.18	4235046.32	5.88E-07	4.85E-07	1.07E-06	9.99E-08	7.77E-08	1.78E-07	4.75E-07	3.56E-07	8.31E-07	7.78E-08	6.90E-08	1.47E-07	5.81E-08	3.52E-08	9.33E-08
280	563559.65	4235059.42	5.97E-07	4.92E-07	1.09E-06	1.01E-07	7.89E-08	1.80E-07	4.82E-07	3.61E-07	8.43E-07	7.90E-08	7.00E-08	1.49E-07	5.90E-08	3.57E-08	9.47E-08
281	563552.12	4235072.51	6.08E-07	5.01E-07	1.11E-06	1.03E-07	8.03E-08	1.83E-07	4.91E-07	3.67E-07	8.58E-07	8.04E-08	7.12E-08	1.52E-07	6.00E-08	3.64E-08	9.64E-08
282	563544.59	4235085.61	6.20E-07	5.11E-07	1.13E-06	1.05E-07	8.19E-08	1.87E-07	5.01E-07	3.75E-07	8.76E-07	8.20E-08	7.27E-08	1.55E-07	6.12E-08	3.71E-08	9.84E-08
283	563537.06	4235098.7	6.35E-07	5.23E-07	1.16E-06	1.08E-07	8.39E-08	1.92E-07	5.13E-07	3.84E-07	8.96E-07	8.40E-08	7.44E-08	1.58E-07	6.27E-08	3.80E-08	1.01E-07
284	563522	4235124.89	6.69E-07	5.51E-07	1.22E-06	1.13E-07	8.83E-08	2.02E-07	5.40E-07	4.04E-07	9.44E-07	8.84E-08	7.83E-08	1.67E-07	6.60E-08	4.00E-08	1.06E-07
285	563514.47	4235137.99	6.84E-07	5.63E-07	1.25E-06	1.16E-07	9.03E-08	2.06E-07	5.52E-07	4.13E-07	9.65E-07	9.04E-08	8.01E-08	1.70E-07	6.75E-08	4.09E-08	1.08E-07
286	563506.94	4235151.08	6.96E-07	5.74E-07	1.27E-06	1.18E-07	9.20E-08	2.10E-07	5.62E-07	4.21E-07	9.83E-07	9.21E-08	8.16E-08	1.74E-07	6.88E-08	4.17E-08	1.10E-07
287	563499.41	4235164.18	7.07E-07	5.82E-07	1.29E-06	1.20E-07	9.34E-08	2.13E-07	5.71E-07	4.27E-07	9.98E-07	9.35E-08	8.28E-08	1.76E-07	6.98E-08	4.23E-08	1.12E-07
288	563491.88	4235177.27	7.15E-07	5.89E-07	1.30E-06	1.21E-07	9.44E-08	2.16E-07	5.77E-07	4.32E-07	1.01E-06	9.46E-08	8.38E-08	1.78E-07	7.06E-08	4.28E-08	1.13E-07
289	563484.35	4235190.37	7.21E-07	5.94E-07	1.31E-06	1.22E-07	9.52E-08	2.18E-07	5.82E-07	4.36E-07	1.02E-06	9.53E-08	8.45E-08	1.80E-07	7.12E-08	4.31E-08	1.14E-07
290	563476.82	4235203.46	7.24E-07	5.97E-07	1.32E-06	1.23E-07	9.57E-08	2.19E-07	5.85E-07	4.38E-07	1.02E-06	9.58E-08	8.49E-08	1.81E-07	7.15E-08	4.34E-08	1.15E-07
291	563546.81	4234783.11	6.98E-07	5.75E-07	1.27E-06	1.18E-07	9.22E-08	2.11E-07	5.64E-07	4.22E-07	9.85E-07	9.23E-08	8.18E-08	1.74E-07	6.89E-08	4.18E-08	1.11E-07
292	563539.54	4234769.71	7.10E-07	5.85E-07	1.30E-06	1.21E-07	9.38E-08	2.14E-07	5.73E-07	4.29E-07	1.00E-06	9.39E-08	8.32E-08	1.77E-07	7.01E-08	4.25E-08	1.13E-07
293	563586.77	4234778.08	5.92E-07	4.88E-07	1.08E-06	1.00E-07	7.82E-08	1.79E-07	4.78E-07	3.58E-07	8.35E-07	7.83E-08	6.93E-08	1.48E-07	5.84E-08	3.54E-08	9.39E-08
294	563589.11	4234792.79	5.85E-07	4.82E-07	1.07E-06	9.93E-08	7.73E-08	1.77E-07	4.73E-07	3.54E-07	8.26E-07	7.74E-08	6.86E-08	1.46E-07	5.78E-08	3.50E-08	9.28E-08
295	563591.45	4234807.5	5.85E-07	4.82E-07	1.07E-06	9.93E-08	7.73E-08	1.77E-07	4.73E-07	3.54E-07	8.26E-07	7.74E-08	6.86E-08	1.46E-07	5.78E-08	3.50E-08	9.29E-08
296	563593.79	4234822.22	5.83E-07	4.80E-07	1.06E-06	9.89E-08	7.70E-08	1.76E-07	4.71E-07	3.52E-07	8.23E-07	7.71E-08	6.83E-08	1.45E-07	5.76E-08	3.49E-08	9.24E-08
297	563596.12	4234836.93	5.75E-07	4.73E-07	1.05E-06	9.75E-08	7.59E-08	1.73E-07	4.64E-07	3.47E-07	8.11E-07	7.60E-08	6.73E-08	1.43E-07	5.68E-08	3.44E-08	9.11E-08
298	563598.46	4234851.64	5.66E-07	4.67E-07	1.03E-06	9.61E-08	7.48E-08	1.71E-07	4.57E-07	3.42E-07	8.00E-07	7.49E-08	6.64E-08	1.41E-07	5.59E-08	3.39E-08	8.98E-08
299	563600.8	4234866.35	5.59E-07	4.60E-07	1.02E-06	9.48E-08	7.38E-08	1.69E-07	4.51E-07	3.38E-07	7.89E-07	7.39E-08	6.55E-08	1.39E-07	5.52E-08	3.34E-08	8.86E-08
300	563603.14	4234881.06	5.52E-07	4.55E-07	1.01E-06	9.36E-08	7.29E-08	1.66E-07	4.45E-07	3.33E-07	7.79E-07	7.30E-08	6.47E-08	1.38E-07	5.45E-08	3.30E-08	8.75E-08
301	563605.47	4234895.78	5.46E-07	4.50E-07	9.96E-07	9.26E-08	7.21E-08	1.65E-07	4.41E-07	3.30E-07	7.71E-07	7.22E-08	6.40E-08	1.36E-07	5.39E-08	3.27E-08	8.66E-08
302	563607.81	4234910.49	5.41E-07	4.46E-07	9.87E-07	9.18E-08	7.15E-08	1.63E-07	4.37E-07	3.27E-07	7.64E-07	7.16E-08	6.34E-08	1.35E-07	5.34E-08	3.24E-08	8.58E-08
303	563610.15	4234925.2	5.37E-07	4.42E-07	9.80E-07	9.11E-08	7.09E-08	1.62E-07	4.34E-07	3.25E-07	7.58E-07	7.10E-08	6.29E-08	1.34E-07	5.30E-08	3.21E-08	8.52E-08
304	563612.49	4234939.91	5.33E-07	4.39E-07	9.72E-07	9.05E-08	7.04E-08	1.61E-07	4.31E-07	3.22E-07	7.53E-07	7.05E-08	6.25E-08	1.33E-07	5.27E-08	3.19E-08	8.46E-08
305	563614.83	4234954.62	5.29E-07	4.36E-07	9.65E-07	8.98E-08	6.99E-08	1.60E-07	4.27E-07	3.20E-07	7.47E-07	7.00E-08	6.20E-08	1.32E-07	5.22E-08	3.17E-08	8.39E-08
306	563617.16	4234969.34	5.24E-07	4.32E-07	9.56E-07	8.89E-08	6.92E-08	1.58E-07	4.23E-07	3.17E-07	7.40E-07	6.93E-08	6.14E-08	1.31E-07	5.18E-08	3.14E-08	8.31E-08
307	563619.5	4234984.05	5.18E-07	4.26E-07	9.44E-07	8.78E-08	6.84E-08	1.56E-07	4.18E-07	3.13E-07	7.31E-07	6.84E-08	6.06E-08	1.29E-07	5.11E-08	3.10E-08	8.21E-08
308	563621.84	4234998.76	5.09E-07	4.19E-07	9.28E-07	8.64E-08	6.72E-08	1.54E-07	4.11E-07	3.08E-07	7.19E-07	6.73E-08	5.96E-08	1.27E-07	5.03E-08	3.05E-08	8.07E-08
309	563624.18	4235013.47	4.99E-07	4.11E-07	9.10E-07	8.47E-08	6.59E-08	1.51E-07	4.03E-07	3.02E-07	7.05E-07	6.60E-08	5.85E-08	1.24E-07	4.93E-08	2.99E-08	7.92E-08
310	563621.63	4235027.29	4.96E-07	4.09E-07	9.05E-07	8.42E-08	6.55E-08	1.50E-07	4.01E-07	3.00E-07	7.00E-07	6.56E-08	5.81E-08	1.24E-07	4.90E-08	2.97E-08	7.87E-08
311	563614.21	4235040.2	5.01E-07	4.12E-07	9.13E-07	8.50E-08	6.61E-08	1.51E-07	4.04E-07	3.03E-07	7.07E-07	6.62E-08	5.87E-08	1.25E-07	4.94E-08	3.00E-08	7.94E-08
312	563606.78	4235053.11	5.05E-07	4.16E-07	9.20E-07	8.56E-08	6.66E-08	1.52E-07	4.07E-07	3.05E-07	7.12E-07	6.67E-08	5.91E-08	1.26E-07	4.98E-08	3.02E-08	8.00E-08
313	563599.35	4235066.03	5.08E-07	4.19E-07	9.27E-07	8.63E-08	6.71E-08	1.53E-07	4.10E-07	3.07E-07	7.18E-07	6.72E-08	5.96E-08	1.27E-07	5.02E-08	3.04E-08	8.06E-08
314	563591.93	4235078.94	5.14E-07	4.23E-07	9.37E-07	8.72E-08	6.78E-08	1.55E-07	4.15E-07	3.10E-07	7.25E-07	6.79E-08	6.02E-08	1.28E-07	5.07E-08	3.07E-08	8.15E-08
315	563584.5	4235091.86	5.22E-07	4.30E-07	9.52E-07	8.85E-08	6.89E-08	1.57E-07	4.21E-07	3.15E-07	7.37E-07	6.90E-08	6.11E-08	1.30E-07	5.15E-08	3.12E-08	8.28E-08
316	563577.08	4235104.77	5.32E-07	4.38E-07	9.70E-07	9.02E-08	7.02E-08	1.60E-07	4.29E-07	3.21E-07	7.51E-07	7.03E-08	6.23E-08	1.33E-07	5.25E-08	3.18E-08	8.43E-08
317	563569.65	4235117.68	5.43E-07	4.48E-07	9.91E-07	9.22E-08	7.18E-08	1.64E-07	4.39E-07	3.28E-07	7.67E-07	7.19E-08	6.37E-08	1.36E-07	5.37E-08	3.25E-08	8.62E-08
318	563554.8	4235143.51	5.69E-07	4.68E-07	1.04E-06	9.65E-08	7.51E-08	1.72E-07	4.59E-07	3.44E-07	8.03E-07	7.52E-08	6.66E-08	1.42E-07	5.62E-08	3.40E-08	9.02E-08
319	563547.37	4235156.43	5.81E-07	4.78E-07	1.06E-06	9.85E-08	7.67E-08	1.75E-07	4.69E-07	3.51E-07	8.20E-07	7.68E-08	6.80E-08	1.45E-07	5.73E-08	3.48E-08	9.21E-08
320	563539.95	4235169.34	5.91E-07	4.87E-07	1.08E-06	1.00E-07	7.81E-08	1.78E-07	4.77E-07	3.57E-07	8.35E-07	7.82E-08	6.93E-08	1.47E-07	5.84E-08	3.54E-08	9.38E-08
321	563532.52	4235182.25	6.01E-07	4.95E-07	1.10E-06	1.02E-07	7.93E-08	1.81E-07	4.85E-07	3.63E-07	8.48E-07	7.94E-08	7.04E-08	1.50E-07	5.93E-08	3.59E-08	9.53E-08
322	563525.1	4235195.17	6.08E-07	5.01E-07	1.11E-06	1.03E-07	8.04E-08	1.84E-07	4.91E-07	3.68E-07	8.59E-07	8.05E-08	7.13E-08	1.52E-07	6.01E-08	3.64E-08	9.65E-08
323	563517.67	4235208.08	6.15E-07	5.06E-07	1.12E-06	1.04E-07	8.12E-08	1.85E-07	4.96E-07	3.71E-07	8.68E-07	8.13E-08	7.20E-08	1.53E-07	6.07E-08	3.68E-08	9.75E-08
324	563510.25	4235220.99	6.19E-07	5.10E-07	1.13E-06	1.05E-07	8.18E-08	1.87E-07	5.00E-07	3.74E-07	8.74E-07	8.19E-08	7.26E-08	1.54E-07	6.12E-08	3.71E-08	9.82E-08
325	563502.82	4235233.91	6.22E-07	5.12E-07	1.13E-06	1.06E-07	8.22E-08	1.88E-07	5.02E-07	3.76E-07	8.78E-07	8.23E-08	7.29E-08	1.55E-07	6.14E-08	3.72E-08	9.87E-08
326	563581.97	4234764.02	6.08E-07	5.01E-07	1.11E-06	1.03E-07	8.03E-08	1.83E-07	4.91E-07	3.67E-07	8.58E-07	8.04E-08	7.12E-08	1.52E-07	6.00E-08	3.64E-08	9.64E-08
327	563574.69	4234750.62	6.30E-07	5.19E-07	1.15E-06	1.07E-07	8.33E-08	1.90E-07	5.09E-07	3.81E-07	8.90E-07	8.34E-08	7.39E-08	1.57E-07	6.23E-08	3.77E-08	1.00E-07
328	563621.95	4234759.11	5.35E-07	4.41E-07	9.76E-07	9.08E-08	7.07E-08	1.61E-07	4.32E-07	3.23E-07	7.55E-07	7.08E-08	6.27E-08	1.33E-07	5.28E-08	3.20E-08	8.49E-08
329	563624.32	4234774.06	5.25E-07	4.33E-07	9.58E-07	8.91E-08	6.94E-08	1.59E-07	4.24E-07	3.17E-07	7.42E-07	6.95E-08	6.16E-08	1.31E-07	5.19E-08	3.14E-08	8.33E-08
330	563626.7	4234789	5.17E-07	4.26E-07	9.42E-07	8.77E-08	6.82E-08	1.56E-07	4.17E-07	3.12E-07	7.29E-07	6.83E-08	6.05E-08	1.29E-07	5.10E-08	3.09E-08	8.19E-08
331	563629.07	4234803.94	5.09E-07	4.19E-07	9.28E-07	8.64E-08	6.72E-08	1.54E-07	4.11E-07	3.08E-07	7.19E-07	6.73E-08	5.97E-08	1.27E-07	5.03E-08	3.05E-08	8.07E-08
332	563631.44	4234818.88	5.03E-07	4.14E-07	9.17E-07	8.53E-08	6.64E-08	1.52E-07	4.06E-07	3.04E-07	7.09E-07	6.65E-08	5.89E-08	1.25E-07	4.96E-08	3.01E-08	7.97E-08
333	563633.82	4234833.82	4.96E-07	4.09E-07	9.05E-07	8.42E-08	6.55E-08	1.50E-07	4.01E-07	3.00E-07	7.01E-07	6.56E-08	5.82E-08	1.24E-07	4.90E-08	2.97E-08	7.87E-08
334	563636.19	4234848.77	4.91E-07	4.05E-07	8.96E-07	8.33E-08	6.49E-08	1.48E-07	3.97E-07	2.97E-07	6.93E-07	6.49E-08	5.76E-08	1.23E-07	4.85E-08	2.94E-08	7.79E-08
335	563638.57	4234863.71	4.87E-07	4.01E-07	8.88E-07	8.26E-08	6.43E-08	1.47E-07	3.93E-07	2.94E-07	6.87E-07	6.44E-08	5.70E-08	1.21E-07	4.81E-08	2.91E-08	7.72E-08
336	563640.94	4234878.65	4.83E-07	3.98E-07	8.81E-07	8.19E-08	6.38E-08	1.46E-07	3.90E-07	2.92E-07	6.82E-07	6.38E-08	5.66E-08	1.20E-07	4.77E-08	2.89E-08	7.66E-08
337	563643.31	4234893.59	4.79E-07	3.95E-07	8.75E-07	8.14E-08	6.33E-08	1.45E-07	3.87E-07	2.90E-07	6.77E-07	6.34E-08	5.62E-08	1.20E-07	4.74E-08	2.87E-08	7.61E-08
338	563645.69	4234908.54	4.77E-07	3.93E-07	8.69E-07	8.09E-08	6.30E-08	1.44E-07	3.85E-07	2.88E-07	6.73E-07	6.30E-08	5.59E-08	1.19E-07	4.71E-08	2.85E-08	7.56E-08
339	563648.06	4234923.48	4.74E-07	3.91E-07	8.65E-07	8.04E-08	6.26E-08	1.43E-07	3.83E-07	2.86E-07	6.69E-07	6.27E-08	5.56E-08	1.18E-07	4.68E-08	2.84E-08	7.52E-08
340	563650.44	4234938.42	4.71E-07	3.88E-07	8.59E-07	7.99E-08	6.22E-08	1.42E-07	3.80E-07	2.85E-07	6.65E-07	6.23E-08	5.52E-08	1.18E-07	4.65E-08	2.82E-08	7.47E-08
341	563652.81	4234953.36	4.68E-07	3.86E-07	8.54E-07	7.94E-08	6.18E-08	1.41E-07	3.78E-07	2.83E-07	6.61E-07	6.19E-08	5.48E-08	1.17E-07	4.62E-08	2.80E-08	7.42E-08
342	563655.19	4234968.3	4.64E-07	3.82E-07	8.46E-07	7.87E-08	6.13E-08	1.40E-07	3.75E-07	2.80E-07	6.55E-07	6.14E-08	5.44E-08	1.16E-07	4.58E-08	2.78E-08	7.36E-08
343	563657.56	4234983.25	4.58E-07	3.78E-07	8.36E-07	7.78E-08	6.06E-08	1.38E-07	3.70E-07	2.77E-07	6.47E-07	6.06E-08	5.37E-08	1.14E-07	4.53E-08	2.74E-08	7.27E-08
344	563659.93	4234998.19	4.52E-07	3.72E-07	8.24E-07	7.66E-08	5.96E-08	1.36E-07	3.65E-07	2.73E-07	6.38E-07	5.97E-08	5.29E-08	1.13E-07	4.46E-08	2.70E-08	7.16E-08
345	563662.31	4235013.13	4.41E-07	3.63E-07	8.04E-07	7.48E-08	5.83E-08	1.33E-07	3.56E-07	2.67E-07	6.23E-07	5.83E-08	5.17E-08	1.10E-07	4.36E-08	2.64E-08	7.00E-08
346	563660.91	4235034.63	4.30E-07	3.55E-07	7.85E-07	7.30E-08	5.68E-08	1.30E-07	3.47E-07	2.60E-07	6.08E-07	5.69E-08	5.04E-08	1.07E-07	4.25E-08	2.58E-08	6.83E-08
347	563653.37	4235047.75	4.34E-07	3.58E-07	7.92E-07	7.36E-08	5.73E-08	1.31E-07	3.50E-07	2.62E-07	6.13E-07	5.74E-08	5.09E-08	1.08E-07	4.29E-08	2.60E-08	6.88E-08
348	563645.83	4235060.86	4.36E-07	3.60E-07	7.96E-07	7.41E-08	5.76E-08	1.32E-07	3.52E-07	2.64E-07	6.16E-07	5.77E-08	5.11E-08	1.09E-07	4.31E-08	2.61E-08	6.92E-08
349	563638.29	4235073.98	4.38E-07	3.61E-07	8.00E-07	7.44E-08	5.79E-08	1.32E-07	3.54E-07	2.65E-07	6.19E-07	5.80E-08	5.14E-08	1.09E-07	4.33E-08	2.62E-08	6.95E-08
350	563630.74	4235087.1	4.41E-07	3.63E-07	8.04E-07	7.48E-08	5.82E-08	1.33E-07	3.56E-07	2.66E-07	6.22E-07	5.83E-08	5.17E-08	1.10E-07	4.35E-08	2.64E-08	6.99E-08
351	563623.2	4235100.21	4.45E-07	3.67E-07	8.12E-07	7.56E-08	5.88E-08	1.34E-07	3.60E-07	2.69E-07	6.29E-07	5.89E-08	5.22E-08	1.11E-07	4.40E-08	2.67E-08	7.06E-08
352	563615.66	4235113.33	4.53E-07	3.73E-07	8.26E-07	7.68E-08	5.98E-08	1.37E-07	3.66E-07	2.74E-07	6.39E-07	5.99E-08	5.31E-08	1.13E-07	4.47E-08	2.71E-08	7.18E-08
353	563608.12	4235126.44	4.63E-07	3.81E-07	8.44E-07	7.85E-08	6.11E-08	1.40E-07	3.74E-07	2.80E-07	6.53E-07	6.12E-08	5.42E-08	1.15E-07	4.57E-08	2.77E-08	7.34E-08
354	563600.58	4235139.56	4.73E-07	3.90E-07	8.63E-07	8.03E-08	6.25E-08	1.43E-07	3.82E-07	2.86E-07	6.68E-07	6.26E-08	5.54E-08	1.18E-07	4.67E-08	2.83E-08	7.50E-08
355	563585.49	4235165.79	4.95E-07	4.08E-07	9.03E-07	8.40E-08	6.54E-08	1.49E-07	4.00E-07	2.99E-07	6.99E-07	6.55E-08	5.80E-08	1.23E-07	4.89E-08	2.96E-08	7.85E-08
356	563577.95	4235178.91	5.06E-07	4.17E-07	9.23E-07	8.59E-08	6.68E-08	1.53E-07	4.09E-07	3.06E-07	7.14E-07	6.69E-08	5.93E-08	1.26E-07	5.00E-08	3.03E-08	8.03E-08
357	563570.41	4235192.02	5.15E-07	4.24E-07	9.39E-07	8.74E-08	6.80E-08	1.55E-07	4.16E-07	3.11E-07	7.27E-07	6.81E-08	6.04E-08	1.28E-07	5.09E-08	3.08E-08	8.17E-08
358	563562.87	4235205.14	5.22E-07	4.30E-07	9.52E-07	8.86E-08	6.90E-08	1.58E-07	4.22E-07	3.16E-07	7.37E-07	6.91E-08	6.12E-08	1.30E-07	5.16E-08	3.13E-08	8.28E-08
359	563555.33	4235218.26	5.27E-07	4.34E-07	9.61E-07	8.94E-08	6.96E-08	1.59E-07	4.25E-07	3.18E-07	7.44E-07	6.97E-08	6.17E-08	1.31E-07	5.20E-08	3.15E-08	8.36E-08
360	563547.78	4235231.37	5.32E-07	4.38E-07	9.69E-07	9.02E-08	7.02E-08	1.60E-07	4.29E-07	3.21E-07	7.50E-07	7.03E-08	6.23E-08	1.33E-07	5.25E-08	3.18E-08	8.43E-08
361	563540.24	4235244.49	5.38E-07	4.43E-07	9.81E-07	9.12E-08	7.10E-08	1.62E-07	4.34E-07	3.25E-07	7.59E-07	7.11E-08	6.30E-08	1.34E-07	5.31E-08	3.22E-08	8.53E-08
362	563532.7	4235257.6	5.43E-07	4.48E-07	9.91E-07	9.22E-08	7.18E-08	1.64E-07	4.39E-07	3.28E-07	7.67E-07	7.19E-08	6.37E-08	1.36E-07	5.37E-08	3.25E-08	8.62E-08
363	563617.12	4234744.94	5.48E-07	4.51E-07	9.99E-07	9.29E-08	7.23E-08	1.65E-07	4.42E-07	3.31E-07	7.73E-07	7.24E-08	6.42E-08	1.37E-07	5.41E-08	3.28E-08	8.69E-08
364	563609.85	4234731.54	5.64E-07	4.65E-07	1.03E-06	9.57E-08	7.45E-08	1.70E-07	4.55E-07	3.41E-07	7.96E-07	7.46E-08	6.61E-08	1.41E-07	5.57E-08	3.37E-08	8.94E-08
365	563657.09	4234739.94	4.79E-07	3.94E-07	8.73E-07	8.12E-08	6.32E-08	1.44E-07	3.86E-07	2.89E-07	6.76E-07	6.33E-08	5.61E-08	1.19E-07	4.73E-08	2.86E-08	7.59E-08
366	563659.43	4234754.71	4.68E-07	3.85E-07	8.53E-07	7.94E-08	6.18E-08	1.41E-07	3.78E-07	2.83E-07	6.60E-07	6.19E-08	5.48E-08	1.17E-07	4.62E-08	2.80E-08	7.42E-08
367	563661.78	4234769.48	4.59E-07	3.78E-07	8.38E-07	7.79E-08	6.07E-08	1.39E-07	3.71E-07	2.78E-07	6.48E-07	6.07E-08	5.38E-08	1.15E-07	4.54E-08	2.75E-08	7.28E-08
368	563664.13	4234784.25	4.51E-07	3.72E-07	8.23E-07	7.66E-08	5.96E-08	1.36E-07	3.65E-07	2.73E-07	6.37E-07	5.97E-08	5.29E-08	1.13E-07	4.46E-08	2.70E-08	7.16E-08

369	563666.47	4234799.02	4.43E-07	3.65E-07	8.09E-07	7.52E-08	5.86E-08	1.34E-07	3.58E-07	2.68E-07	6.26E-07	5.86E-08	5.20E-08	1.11E-07	4.38E-08	2.65E-08	7.03E-08
370	563668.82	4234813.79	4.37E-07	3.60E-07	7.96E-07	7.41E-08	5.77E-08	1.32E-07	3.53E-07	2.64E-07	6.17E-07	5.77E-08	5.12E-08	1.09E-07	4.31E-08	2.61E-08	6.93E-08
371	563671.17	4234828.56	4.32E-07	3.56E-07	7.88E-07	7.33E-08	5.70E-08	1.30E-07	3.49E-07	2.61E-07	6.10E-07	5.71E-08	5.06E-08	1.08E-07	4.27E-08	2.58E-08	6.85E-08
372	563673.51	4234843.33	4.28E-07	3.53E-07	7.81E-07	7.27E-08	5.66E-08	1.29E-07	3.46E-07	2.59E-07	6.05E-07	5.67E-08	5.02E-08	1.07E-07	4.23E-08	2.56E-08	6.80E-08
373	563675.86	4234858.09	4.26E-07	3.51E-07	7.77E-07	7.23E-08	5.63E-08	1.29E-07	3.44E-07	2.57E-07	6.01E-07	5.63E-08	4.99E-08	1.06E-07	4.21E-08	2.55E-08	6.76E-08
374	563678.21	4234872.86	4.24E-07	3.50E-07	7.74E-07	7.20E-08	5.61E-08	1.28E-07	3.43E-07	2.57E-07	5.99E-07	5.61E-08	4.97E-08	1.06E-07	4.19E-08	2.54E-08	6.73E-08
375	563680.55	4234887.63	4.23E-07	3.49E-07	7.72E-07	7.19E-08	5.59E-08	1.28E-07	3.42E-07	2.56E-07	5.98E-07	5.60E-08	4.96E-08	1.06E-07	4.18E-08	2.53E-08	6.72E-08
376	563682.9	4234902.4	4.23E-07	3.48E-07	7.71E-07	7.17E-08	5.58E-08	1.28E-07	3.41E-07	2.55E-07	5.97E-07	5.59E-08	4.95E-08	1.05E-07	4.17E-08	2.53E-08	6.71E-08
377	563685.25	4234917.17	4.22E-07	3.47E-07	7.69E-07	7.16E-08	5.57E-08	1.27E-07	3.41E-07	2.55E-07	5.95E-07	5.58E-08	4.94E-08	1.05E-07	4.16E-08	2.52E-08	6.69E-08
378	563687.59	4234931.94	4.20E-07	3.46E-07	7.67E-07	7.13E-08	5.55E-08	1.27E-07	3.39E-07	2.54E-07	5.93E-07	5.56E-08	4.93E-08	1.05E-07	4.15E-08	2.52E-08	6.67E-08
379	563689.94	4234946.71	4.19E-07	3.45E-07	7.64E-07	7.11E-08	5.53E-08	1.26E-07	3.38E-07	2.53E-07	5.91E-07	5.54E-08	4.91E-08	1.04E-07	4.14E-08	2.51E-08	6.64E-08
380	563692.29	4234961.48	4.17E-07	3.43E-07	7.60E-07	7.07E-08	5.50E-08	1.26E-07	3.36E-07	2.52E-07	5.88E-07	5.51E-08	4.88E-08	1.04E-07	4.11E-08	2.49E-08	6.61E-08
381	563694.63	4234976.24	4.12E-07	3.39E-07	7.51E-07	6.99E-08	5.44E-08	1.24E-07	3.33E-07	2.49E-07	5.81E-07	5.45E-08	4.83E-08	1.03E-07	4.07E-08	2.46E-08	6.53E-08
382	563696.98	4234991.01	4.04E-07	3.33E-07	7.37E-07	6.86E-08	5.34E-08	1.22E-07	3.26E-07	2.44E-07	5.70E-07	5.34E-08	4.74E-08	1.01E-07	3.99E-08	2.42E-08	6.41E-08
383	563699.33	4235005.78	3.97E-07	3.27E-07	7.25E-07	6.74E-08	5.25E-08	1.20E-07	3.21E-07	2.40E-07	5.61E-07	5.26E-08	4.66E-08	9.91E-08	3.92E-08	2.38E-08	6.30E-08
384	563701.67	4235020.55	3.91E-07	3.22E-07	7.13E-07	6.63E-08	5.16E-08	1.18E-07	3.16E-07	2.36E-07	5.52E-07	5.17E-08	4.58E-08	9.75E-08	3.86E-08	2.34E-08	6.20E-08
385	563700.29	4235041.8	3.84E-07	3.16E-07	7.00E-07	6.51E-08	5.07E-08	1.16E-07	3.10E-07	2.32E-07	5.42E-07	5.08E-08	4.50E-08	9.57E-08	3.79E-08	2.30E-08	6.09E-08
386	563692.84	4235054.76	3.84E-07	3.17E-07	7.01E-07	6.52E-08	5.08E-08	1.16E-07	3.10E-07	2.32E-07	5.43E-07	5.08E-08	4.50E-08	9.59E-08	3.80E-08	2.30E-08	6.10E-08
387	563685.39	4235067.73	3.84E-07	3.17E-07	7.01E-07	6.52E-08	5.07E-08	1.16E-07	3.10E-07	2.32E-07	5.42E-07	5.08E-08	4.50E-08	9.58E-08	3.79E-08	2.30E-08	6.09E-08
388	563677.93	4235080.69	3.84E-07	3.16E-07	7.00E-07	6.51E-08	5.07E-08	1.16E-07	3.10E-07	2.32E-07	5.42E-07	5.07E-08	4.50E-08	9.57E-08	3.79E-08	2.30E-08	6.08E-08
389	563670.48	4235093.66	3.84E-07	3.17E-07	7.01E-07	6.52E-08	5.08E-08	1.16E-07	3.10E-07	2.32E-07	5.42E-07	5.08E-08	4.50E-08	9.58E-08	3.79E-08	2.30E-08	6.09E-08
390	563663.02	4235106.62	3.87E-07	3.19E-07	7.06E-07	6.57E-08	5.11E-08	1.17E-07	3.12E-07	2.34E-07	5.46E-07	5.12E-08	4.53E-08	9.65E-08	3.82E-08	2.32E-08	6.14E-08
391	563655.57	4235119.58	3.90E-07	3.22E-07	7.12E-07	6.62E-08	5.16E-08	1.18E-07	3.15E-07	2.36E-07	5.51E-07	5.16E-08	4.57E-08	9.74E-08	3.85E-08	2.34E-08	6.19E-08
392	563648.11	4235132.55	3.96E-07	3.26E-07	7.22E-07	6.72E-08	5.23E-08	1.20E-07	3.20E-07	2.39E-07	5.59E-07	5.24E-08	4.64E-08	9.88E-08	3.91E-08	2.37E-08	6.28E-08
393	563640.66	4235145.51	4.05E-07	3.34E-07	7.38E-07	6.87E-08	5.35E-08	1.22E-07	3.27E-07	2.45E-07	5.72E-07	5.35E-08	4.74E-08	1.01E-07	4.00E-08	2.42E-08	6.42E-08
394	563633.21	4235158.47	4.14E-07	3.41E-07	7.55E-07	7.03E-08	5.47E-08	1.25E-07	3.34E-07	2.50E-07	5.85E-07	5.48E-08	4.85E-08	1.03E-07	4.09E-08	2.48E-08	6.57E-08
395	563618.3	4235184.4	4.31E-07	3.55E-07	7.86E-07	7.32E-08	5.69E-08	1.30E-07	3.48E-07	2.61E-07	6.09E-07	5.70E-08	5.05E-08	1.08E-07	4.26E-08	2.58E-08	6.84E-08
396	563610.84	4235197.36	4.40E-07	3.62E-07	8.02E-07	7.46E-08	5.81E-08	1.33E-07	3.55E-07	2.66E-07	6.21E-07	5.82E-08	5.15E-08	1.10E-07	4.34E-08	2.63E-08	6.98E-08
397	563603.39	4235210.33	4.47E-07	3.68E-07	8.16E-07	7.59E-08	5.91E-08	1.35E-07	3.61E-07	2.70E-07	6.31E-07	5.91E-08	5.24E-08	1.12E-07	4.42E-08	2.68E-08	7.09E-08
398	563595.93	4235223.29	4.54E-07	3.74E-07	8.28E-07	7.70E-08	5.99E-08	1.37E-07	3.66E-07	2.74E-07	6.41E-07	6.00E-08	5.32E-08	1.13E-07	4.48E-08	2.72E-08	7.20E-08
399	563588.48	4235236.26	4.59E-07	3.78E-07	8.36E-07	7.78E-08	6.06E-08	1.38E-07	3.70E-07	2.77E-07	6.47E-07	6.06E-08	5.37E-08	1.14E-07	4.53E-08	2.74E-08	7.27E-08
400	563581.03	4235249.22	4.65E-07	3.83E-07	8.48E-07	7.89E-08	6.14E-08	1.40E-07	3.75E-07	2.81E-07	6.56E-07	6.15E-08	5.45E-08	1.16E-07	4.59E-08	2.78E-08	7.37E-08
401	563573.57	4235262.18	4.71E-07	3.88E-07	8.59E-07	7.99E-08	6.22E-08	1.42E-07	3.80E-07	2.85E-07	6.65E-07	6.23E-08	5.52E-08	1.17E-07	4.65E-08	2.82E-08	7.47E-08
402	563566.12	4235275.15	4.80E-07	3.95E-07	8.75E-07	8.14E-08	6.34E-08	1.45E-07	3.87E-07	2.90E-07	6.77E-07	6.35E-08	5.62E-08	1.20E-07	4.74E-08	2.87E-08	7.61E-08
403	563558.66	4235288.11	4.88E-07	4.02E-07	8.90E-07	8.28E-08	6.44E-08	1.47E-07	3.94E-07	2.95E-07	6.89E-07	6.45E-08	5.72E-08	1.22E-07	4.82E-08	2.92E-08	7.74E-08
404	563652.28	4234725.86	4.94E-07	4.07E-07	9.01E-07	8.38E-08	6.52E-08	1.49E-07	3.99E-07	2.99E-07	6.97E-07	6.53E-08	5.79E-08	1.23E-07	4.88E-08	2.96E-08	7.83E-08
405	563645	4234712.46	5.13E-07	4.22E-07	9.35E-07	8.70E-08	6.77E-08	1.55E-07	4.14E-07	3.10E-07	7.24E-07	6.78E-08	6.01E-08	1.28E-07	5.06E-08	3.07E-08	8.13E-08
406	563692.26	4234720.96	4.31E-07	3.55E-07	7.86E-07	7.31E-08	5.69E-08	1.30E-07	3.48E-07	2.60E-07	6.08E-07	5.70E-08	5.05E-08	1.07E-07	4.26E-08	2.58E-08	6.83E-08
407	563694.64	4234735.92	4.20E-07	3.46E-07	7.66E-07	7.13E-08	5.55E-08	1.27E-07	3.39E-07	2.54E-07	5.93E-07	5.55E-08	4.92E-08	1.05E-07	4.15E-08	2.51E-08	6.66E-08
408	563697.01	4234750.87	4.10E-07	3.37E-07	7.47E-07	6.95E-08	5.41E-08	1.24E-07	3.31E-07	2.48E-07	5.78E-07	5.42E-08	4.80E-08	1.02E-07	4.05E-08	2.45E-08	6.50E-08
409	563699.39	4234765.83	4.02E-07	3.31E-07	7.33E-07	6.82E-08	5.31E-08	1.21E-07	3.24E-07	2.43E-07	5.67E-07	5.31E-08	4.71E-08	1.00E-07	3.97E-08	2.41E-08	6.37E-08
410	563701.77	4234780.79	3.95E-07	3.26E-07	7.21E-07	6.71E-08	5.22E-08	1.19E-07	3.19E-07	2.39E-07	5.58E-07	5.23E-08	4.63E-08	9.86E-08	3.90E-08	2.37E-08	6.27E-08
411	563704.14	4234795.75	3.88E-07	3.19E-07	7.07E-07	6.58E-08	5.12E-08	1.17E-07	3.13E-07	2.34E-07	5.47E-07	5.13E-08	4.54E-08	9.67E-08	3.83E-08	2.32E-08	6.15E-08
412	563706.52	4234810.71	3.80E-07	3.13E-07	6.93E-07	6.44E-08	5.02E-08	1.15E-07	3.07E-07	2.30E-07	5.36E-07	5.02E-08	4.45E-08	9.47E-08	3.75E-08	2.27E-08	6.02E-08
413	563708.9	4234825.67	3.74E-07	3.08E-07	6.83E-07	6.35E-08	4.95E-08	1.13E-07	3.02E-07	2.26E-07	5.29E-07	4.95E-08	4.39E-08	9.34E-08	3.70E-08	2.24E-08	5.94E-08
414	563711.27	4234840.63	3.71E-07	3.06E-07	6.77E-07	6.30E-08	4.91E-08	1.12E-07	3.00E-07	2.24E-07	5.24E-07	4.91E-08	4.35E-08	9.26E-08	3.67E-08	2.22E-08	5.89E-08
415	563713.65	4234855.58	3.71E-07	3.06E-07	6.77E-07	6.29E-08	4.90E-08	1.12E-07	3.00E-07	2.24E-07	5.24E-07	4.91E-08	4.35E-08	9.25E-08	3.66E-08	2.22E-08	5.88E-08
416	563716.03	4234870.54	3.72E-07	3.07E-07	6.79E-07	6.32E-08	4.92E-08	1.12E-07	3.01E-07	2.25E-07	5.26E-07	4.93E-08	4.37E-08	9.29E-08	3.68E-08	2.23E-08	5.91E-08
417	563718.4	4234885.5	3.73E-07	3.07E-07	6.80E-07	6.33E-08	4.92E-08	1.13E-07	3.01E-07	2.25E-07	5.26E-07	4.93E-08	4.37E-08	9.30E-08	3.68E-08	2.23E-08	5.91E-08
418	563720.78	4234900.46	3.71E-07	3.06E-07	6.77E-07	6.30E-08	4.90E-08	1.12E-07	3.00E-07	2.24E-07	5.24E-07	4.91E-08	4.35E-08	9.26E-08	3.67E-08	2.22E-08	5.89E-08
419	563723.16	4234915.42	3.70E-07	3.05E-07	6.76E-07	6.28E-08	4.89E-08	1.12E-07	2.99E-07	2.24E-07	5.23E-07	4.90E-08	4.34E-08	9.24E-08	3.66E-08	2.22E-08	5.87E-08
420	563725.53	4234930.38	3.71E-07	3.06E-07	6.77E-07	6.29E-08	4.90E-08	1.12E-07	3.00E-07	2.24E-07	5.24E-07	4.91E-08	4.35E-08	9.25E-08	3.66E-08	2.22E-08	5.88E-08
421	563727.91	4234945.33	3.71E-07	3.06E-07	6.77E-07	6.30E-08	4.90E-08	1.12E-07	3.00E-07	2.24E-07	5.24E-07	4.91E-08	4.35E-08	9.25E-08	3.66E-08	2.22E-08	5.89E-08
422	563730.29	4234960.29	3.70E-07	3.05E-07	6.75E-07	6.28E-08	4.89E-08	1.12E-07	2.99E-07	2.24E-07	5.23E-07	4.90E-08	4.34E-08	9.24E-08	3.66E-08	2.22E-08	5.87E-08
423	563732.66	4234975.25	3.69E-07	3.04E-07	6.72E-07	6.25E-08	4.87E-08	1.11E-07	2.98E-07	2.23E-07	5.20E-07	4.87E-08	4.32E-08	9.19E-08	3.64E-08	2.21E-08	5.85E-08
424	563735.04	4234990.21	3.66E-07	3.01E-07	6.67E-07	6.21E-08	4.83E-08	1.10E-07	2.95E-07	2.21E-07	5.16E-07	4.84E-08	4.29E-08	9.12E-08	3.61E-08	2.19E-08	5.80E-08
425	563737.42	4235005.17	3.60E-07	2.97E-07	6.57E-07	6.12E-08	4.76E-08	1.09E-07	2.91E-07	2.18E-07	5.09E-07	4.77E-08	4.22E-08	8.99E-08	3.56E-08	2.16E-08	5.72E-08
426	563739.79	4235020.13	3.53E-07	2.90E-07	6.43E-07	5.98E-08	4.66E-08	1.06E-07	2.85E-07	2.13E-07	4.98E-07	4.66E-08	4.13E-08	8.79E-08	3.48E-08	2.11E-08	5.59E-08
427	563742.17	4235035.09	3.44E-07	2.84E-07	6.28E-07	5.84E-08	4.55E-08	1.04E-07	2.78E-07	2.08E-07	4.86E-07	4.56E-08	4.04E-08	8.59E-08	3.40E-08	2.06E-08	5.46E-08
428	563739.58	4235049.13	3.42E-07	2.82E-07	6.24E-07	5.81E-08	4.52E-08	1.03E-07	2.76E-07	2.07E-07	4.83E-07	4.53E-08	4.01E-08	8.54E-08	3.38E-08	2.05E-08	5.43E-08
429	563732.03	4235062.26	3.45E-07	2.84E-07	6.29E-07	5.85E-08	4.55E-08	1.04E-07	2.78E-07	2.08E-07	4.87E-07	4.56E-08	4.04E-08	8.60E-08	3.40E-08	2.06E-08	5.47E-08
430	563724.48	4235075.39	3.46E-07	2.85E-07	6.30E-07	5.86E-08	4.56E-08	1.04E-07	2.79E-07	2.09E-07	4.88E-07	4.57E-08	4.05E-08	8.62E-08	3.41E-08	2.07E-08	5.48E-08
431	563716.93	4235088.52	3.44E-07	2.83E-07	6.28E-07	5.84E-08	4.54E-08	1.04E-07	2.78E-07	2.08E-07	4.86E-07	4.55E-08	4.03E-08	8.58E-08	3.40E-08	2.06E-08	5.46E-08
432	563709.38	4235101.65	3.42E-07	2.82E-07	6.25E-07	5.81E-08	4.52E-08	1.03E-07	2.76E-07	2.07E-07	4.83E-07	4.53E-08	4.01E-08	8.54E-08	3.38E-08	2.05E-08	5.43E-08
433	563701.83	4235114.78	3.41E-07	2.81E-07	6.22E-07	5.79E-08	4.51E-08	1.03E-07	2.76E-07	2.06E-07	4.82E-07	4.51E-08	4.00E-08	8.51E-08	3.37E-08	2.04E-08	5.41E-08
434	563694.28	4235127.91	3.43E-07	2.83E-07	6.25E-07	5.82E-08	4.53E-08	1.03E-07	2.77E-07	2.07E-07	4.84E-07	4.53E-08	4.02E-08	8.55E-08	3.39E-08	2.05E-08	5.44E-08
435	563686.73	4235141.04	3.46E-07	2.85E-07	6.32E-07	5.88E-08	4.57E-08	1.04E-07	2.80E-07	2.09E-07	4.89E-07	4.58E-08	4.06E-08	8.64E-08	3.42E-08	2.07E-08	5.49E-08
436	563679.18	4235154.17	3.52E-07	2.90E-07	6.42E-07	5.97E-08	4.65E-08	1.06E-07	2.84E-07	2.13E-07	4.97E-07	4.65E-08	4.12E-08	8.77E-08	3.47E-08	2.11E-08	5.58E-08
437	563671.63	4235167.3	3.59E-07	2.96E-07	6.56E-07	6.10E-08	4.75E-08	1.08E-07	2.90E-07	2.17E-07	5.07E-07	4.75E-08	4.21E-08	8.97E-08	3.55E-08	2.15E-08	5.70E-08
438	563648.98	4235206.69	3.83E-07	3.15E-07	6.98E-07	6.50E-08	5.06E-08	1.16E-07	3.09E-07	2.31E-07	5.41E-07	5.06E-08	4.49E-08	9.55E-08	3.78E-08	2.29E-08	6.07E-08
439	563641.43	4235219.82	3.91E-07	3.22E-07	7.13E-07	6.63E-08	5.16E-08	1.18E-07	3.16E-07	2.36E-07	5.52E-07	5.17E-08	4.58E-08	9.75E-08	3.86E-08	2.34E-08	6.20E-08
440	563633.88	4235232.95	3.97E-07	3.27E-07	7.25E-07	6.74E-08	5.25E-08	1.20E-07	3.21E-07	2.40E-07	5.61E-07	5.26E-08	4.66E-08	9.91E-08	3.93E-08	2.38E-08	6.30E-08
441	563626.33	4235246.08	4.04E-07	3.33E-07	7.37E-07	6.86E-08	5.34E-08	1.22E-07	3.26E-07	2.44E-07	5.70E-07	5.34E-08	4.74E-08	1.01E-07	3.99E-08	2.42E-08	6.41E-08
442	563618.78	4235259.21	4.10E-07	3.37E-07	7.47E-07	6.95E-08	5.41E-08	1.24E-07	3.31E-07	2.48E-07	5.78E-07	5.42E-08	4.80E-08	1.02E-07	4.05E-08	2.45E-08	6.50E-08
443	563611.23	4235272.34	4.15E-07	3.42E-07	7.57E-07	7.04E-08	5.48E-08	1.25E-07	3.35E-07	2.51E-07	5.86E-07	5.49E-08	4.86E-08	1.03E-07	4.10E-08	2.48E-08	6.58E-08
444	563603.68	4235285.47	4.21E-07	3.47E-07	7.68E-07	7.15E-08	5.56E-08	1.27E-07	3.40E-07	2.55E-07	5.95E-07	5.57E-08	4.94E-08	1.05E-07	4.16E-08	2.52E-08	6.68E-08
445	563596.13	4235298.6	4.30E-07	3.55E-07	7.85E-07	7.30E-08	5.69E-08	1.30E-07	3.48E-07	2.60E-07	6.08E-07	5.69E-08	5.04E-08	1.07E-07	4.25E-08	2.58E-08	6.83E-08
446	563588.58	4235311.73	4.40E-07	3.62E-07	8.02E-07	7.46E-08	5.81E-08	1.33E-07	3.55E-07	2.66E-07	6.21E-07	5.82E-08	5.15E-08	1.10E-07	4.34E-08	2.63E-08	6.98E-08
447	563581.03	4235324.86	4.47E-07	3.68E-07	8.15E-07	7.58E-08	5.90E-08	1.35E-07	3.61E-07	2.70E-07	6.31E-07	5.91E-08	5.24E-08	1.11E-07	4.41E-08	2.67E-08	7.09E-08
448	563687.43	4234706.78	4.45E-07	3.67E-07	8.12E-07	7.56E-08	5.88E-08	1.34E-07	3.60E-07	2.69E-07	6.29E-07	5.89E-08	5.22E-08	1.11E-07	4.40E-08	2.67E-08	7.06E-08
449	563680.16	4234693.38	4.63E-07	3.82E-07	8.45E-07	7.86E-08	6.12E-08	1.40E-07	3.74E-07	2.80E-07	6.54E-07	6.13E-08	5.43E-08	1.16E-07	4.58E-08	2.77E-08	7.35E-08
450	563727.4	4234701.8	3.90E-07	3.22E-07	7.12E-07	6.63E-08	5.16E-08	1.18E-07	3.15E-07	2.36E-07	5.51E-07	5.16E-08	4.58E-08	9.74E-08	3.86E-08	2.34E-08	6.19E-08
451	563729.75	4234716.61	3.81E-07	3.14E-07	6.95E-07	6.46E-08	5.03E-08	1.15E-07	3.08E-07	2.30E-07	5.38E-07	5.04E-08	4.46E-08	9.50E-08	3.76E-08	2.28E-08	6.04E-08
452	563732.11	4234731.42	3.71E-07	3.06E-07	6.77E-07	6.30E-08	4.90E-08	1.12E-07	3.00E-07	2.24E-07	5.24E-07	4.91E-08	4.35E-08	9.26E-08	3.67E-08	2.22E-08	5.89E-08
453	563734.46	4234746.23	3.62E-07	2.98E-07	6.60E-07	6.14E-08	4.78E-08	1.09E-07	2.92E-07	2.19E-07	5.11E-07	4.79E-08	4.24E-08	9.03E-08	3.58E-08	2.17E-08	5.74E-08
454	563736.81	4234761.04	3.54E-07	2.92E-07	6.46E-07	6.01E-08	4.68E-08	1.07E-07	2.86E-07	2.14E-07	5.00E-07	4.68E-08	4.15E-08	8.83E-08	3.50E-08	2.12E-08	5.62E-08
455	563739.17	4234775.85	3.48E-07	2.86E-07	6.34E-07	5.90E-08	4.59E-08	1.05E-07	2.81E-07	2.10E-07	4.91E-07	4.60E-08	4.07E-08	8.67E-08	3.43E-08	2.08E-08	5.51E-08
456	563741.52	4234790.65	3.41E-07	2.81E-07	6.22E-07	5.78E-08	4.50E-08	1.03E-07	2.75E-07	2.06E-07	4.81E-07	4.51E-08	3.99E-08	8.50E-08	3.37E-08	2.04E-08	5.40E-08
457	563743.87	4234805.46	3.34E-07	2.75E-07	6.09E-07	5.66E-08	4.41E-08	1.01E-07	2.69E-07	2.02E-07	4.71E-07	4.41E-08	3.91E-08	8.32E-08	3.30E-08	2.00E-08	5.29E-08
458	563746.23	4234820.27	3.29E-07	2.71E-07	5.99E-07	5.58E-08	4.34E-08	9.92E-08	2.65E-07	1.99E-07	4.64E-07	4.35E-08	3.85E-08	8.20E-08	3.25E-08	1.97E-08	5.21E-08
459	563748.58	4234835.08	3.26E-07	2.68E-07	5.94E-07	5.53E-08	4.30E-08	9.83E-08	2.63E-07	1.97E-07	4.60E-07	4.31E-08	3.82E-08	8.12E-08	3.22E-08	1.95E-08	5.17E-08
460	563756.54	4235095.31	3.06E-07	2.52E-07	5.57E-07	5.18E-08	4.04E-08	9.22E-08	2.47E-07	1.85E-07	4.31E-07	4.04E-08	3.58E-08	7.62E-08	3.02E-08	1.83E-08	4.85E-08
461	563749.06	4235108.3	3.05E-07	2.51E-07	5.56E-07	5.17E-08	4.03E-08	9.20E-08	2.46E-07	1.84E-07	4.30E-07	4.03E-08	3.57E-08	7.60E-08	3.01E-08	1.82E-08	4.83E-08

462	563741.59	4235121.3	3.05E-07	2.51E-07	5.56E-07	5.18E-08	4.03E-08	9.21E-08	2.46E-07	1.84E-07	4.31E-07	4.03E-08	3.58E-08	7.61E-08	3.01E-08	1.83E-08	4.84E-08
463	563734.11	4235134.3	3.05E-07	2.52E-07	5.57E-07	5.18E-08	4.03E-08	9.22E-08	2.47E-07	1.85E-07	4.31E-07	4.04E-08	3.58E-08	7.62E-08	3.02E-08	1.83E-08	4.85E-08
464	563726.64	4235147.3	3.06E-07	2.52E-07	5.58E-07	5.19E-08	4.04E-08	9.23E-08	2.47E-07	1.85E-07	4.32E-07	4.05E-08	3.58E-08	7.63E-08	3.02E-08	1.83E-08	4.85E-08
465	563719.16	4235160.3	3.09E-07	2.55E-07	5.64E-07	5.25E-08	4.08E-08	9.33E-08	2.50E-07	1.87E-07	4.37E-07	4.09E-08	3.62E-08	7.71E-08	3.05E-08	1.85E-08	4.90E-08
466	563711.69	4235173.3	3.15E-07	2.59E-07	5.74E-07	5.34E-08	4.15E-08	9.49E-08	2.54E-07	1.90E-07	4.44E-07	4.16E-08	3.69E-08	7.85E-08	3.11E-08	1.88E-08	4.99E-08
467	563704.22	4235186.3	3.21E-07	2.65E-07	5.86E-07	5.45E-08	4.24E-08	9.69E-08	2.59E-07	1.94E-07	4.54E-07	4.25E-08	3.76E-08	8.01E-08	3.17E-08	1.92E-08	5.10E-08
468	563689.27	4235212.3	3.33E-07	2.74E-07	6.07E-07	5.65E-08	4.40E-08	1.00E-07	2.69E-07	2.01E-07	4.70E-07	4.40E-08	3.90E-08	8.30E-08	3.29E-08	1.99E-08	5.28E-08
469	563681.79	4235225.29	3.40E-07	2.80E-07	6.21E-07	5.77E-08	4.49E-08	1.03E-07	2.75E-07	2.06E-07	4.80E-07	4.50E-08	3.99E-08	8.49E-08	3.36E-08	2.04E-08	5.40E-08
470	563674.32	4235238.29	3.48E-07	2.87E-07	6.34E-07	5.90E-08	4.59E-08	1.05E-07	2.81E-07	2.10E-07	4.91E-07	4.60E-08	4.08E-08	8.68E-08	3.43E-08	2.08E-08	5.52E-08
471	563666.84	4235251.29	3.55E-07	2.93E-07	6.48E-07	6.03E-08	4.69E-08	1.07E-07	2.87E-07	2.15E-07	5.02E-07	4.70E-08	4.16E-08	8.86E-08	3.51E-08	2.13E-08	5.64E-08
472	563659.37	4235264.29	3.62E-07	2.98E-07	6.61E-07	6.15E-08	4.78E-08	1.09E-07	2.92E-07	2.19E-07	5.11E-07	4.79E-08	4.24E-08	9.04E-08	3.58E-08	2.17E-08	5.75E-08
473	563651.89	4235277.29	3.69E-07	3.04E-07	6.72E-07	6.25E-08	4.87E-08	1.11E-07	2.98E-07	2.23E-07	5.20E-07	4.87E-08	4.32E-08	9.19E-08	3.64E-08	2.21E-08	5.85E-08
474	563644.42	4235290.29	3.74E-07	3.08E-07	6.83E-07	6.35E-08	4.95E-08	1.13E-07	3.02E-07	2.26E-07	5.29E-07	4.95E-08	4.39E-08	9.34E-08	3.70E-08	2.24E-08	5.94E-08
475	563636.94	4235303.29	3.80E-07	3.13E-07	6.94E-07	6.46E-08	5.03E-08	1.15E-07	3.07E-07	2.30E-07	5.37E-07	5.03E-08	4.46E-08	9.49E-08	3.76E-08	2.28E-08	6.03E-08
476	563629.47	4235316.29	3.87E-07	3.19E-07	7.06E-07	6.57E-08	5.11E-08	1.17E-07	3.12E-07	2.34E-07	5.46E-07	5.12E-08	4.54E-08	9.65E-08	3.82E-08	2.32E-08	6.14E-08
477	563622	4235329.29	3.93E-07	3.24E-07	7.17E-07	6.67E-08	5.19E-08	1.19E-07	3.18E-07	2.38E-07	5.55E-07	5.20E-08	4.61E-08	9.81E-08	3.88E-08	2.35E-08	6.24E-08
478	563614.52	4235342.28	3.99E-07	3.28E-07	7.27E-07	6.76E-08	5.26E-08	1.20E-07	3.22E-07	2.41E-07	5.63E-07	5.27E-08	4.67E-08	9.94E-08	3.94E-08	2.39E-08	6.32E-08
479	563607.05	4235355.28	4.02E-07	3.31E-07	7.33E-07	6.82E-08	5.31E-08	1.21E-07	3.25E-07	2.43E-07	5.68E-07	5.32E-08	4.71E-08	1.00E-07	3.97E-08	2.41E-08	6.38E-08
480	563722.59	4234687.7	4.02E-07	3.32E-07	7.34E-07	6.83E-08	5.31E-08	1.21E-07	3.25E-07	2.43E-07	5.68E-07	5.32E-08	4.72E-08	1.00E-07	3.97E-08	2.41E-08	6.38E-08
481	563807.76	4234967.23	2.99E-07	2.47E-07	5.46E-07	5.08E-08	3.95E-08	9.03E-08	2.42E-07	1.81E-07	4.22E-07	3.96E-08	3.51E-08	7.46E-08	2.95E-08	1.79E-08	4.75E-08
482	563810.14	4234982.2	2.99E-07	2.46E-07	5.45E-07	5.07E-08	3.95E-08	9.01E-08	2.41E-07	1.81E-07	4.22E-07	3.95E-08	3.50E-08	7.45E-08	2.95E-08	1.79E-08	4.74E-08
483	563812.52	4234997.17	2.97E-07	2.45E-07	5.42E-07	5.04E-08	3.92E-08	8.97E-08	2.40E-07	1.80E-07	4.20E-07	3.93E-08	3.48E-08	7.41E-08	2.93E-08	1.78E-08	4.71E-08
484	563814.9	4235012.14	2.94E-07	2.43E-07	5.37E-07	5.00E-08	3.89E-08	8.89E-08	2.38E-07	1.78E-07	4.16E-07	3.89E-08	3.45E-08	7.34E-08	2.91E-08	1.76E-08	4.67E-08
485	563817.28	4235027.11	2.91E-07	2.40E-07	5.30E-07	4.93E-08	3.84E-08	8.77E-08	2.35E-07	1.76E-07	4.10E-07	3.84E-08	3.41E-08	7.25E-08	2.87E-08	1.74E-08	4.61E-08
486	563819.66	4235042.08	2.86E-07	2.36E-07	5.22E-07	4.85E-08	3.78E-08	8.63E-08	2.31E-07	1.73E-07	4.04E-07	3.78E-08	3.35E-08	7.13E-08	2.83E-08	1.71E-08	4.54E-08
487	563818.26	4235063.62	2.82E-07	2.32E-07	5.14E-07	4.78E-08	3.72E-08	8.51E-08	2.28E-07	1.70E-07	3.98E-07	3.73E-08	3.30E-08	7.03E-08	2.78E-08	1.69E-08	4.47E-08
488	563810.7	4235076.77	2.83E-07	2.33E-07	5.16E-07	4.80E-08	3.74E-08	8.54E-08	2.28E-07	1.71E-07	3.99E-07	3.74E-08	3.32E-08	7.06E-08	2.79E-08	1.69E-08	4.49E-08
489	563757.81	4235168.75	2.78E-07	2.29E-07	5.07E-07	4.71E-08	3.67E-08	8.38E-08	2.24E-07	1.68E-07	3.92E-07	3.67E-08	3.26E-08	6.93E-08	2.74E-08	1.66E-08	4.41E-08
490	563750.25	4235181.89	2.81E-07	2.31E-07	5.12E-07	4.76E-08	3.71E-08	8.47E-08	2.27E-07	1.70E-07	3.96E-07	3.71E-08	3.29E-08	7.00E-08	2.77E-08	1.68E-08	4.45E-08
491	563742.7	4235195.03	2.85E-07	2.35E-07	5.19E-07	4.83E-08	3.76E-08	8.59E-08	2.30E-07	1.72E-07	4.02E-07	3.77E-08	3.34E-08	7.10E-08	2.81E-08	1.70E-08	4.52E-08
492	563735.14	4235208.17	2.90E-07	2.39E-07	5.29E-07	4.92E-08	3.83E-08	8.75E-08	2.34E-07	1.75E-07	4.09E-07	3.83E-08	3.40E-08	7.23E-08	2.86E-08	1.74E-08	4.60E-08
493	563720.03	4235234.45	3.00E-07	2.47E-07	5.47E-07	5.09E-08	3.96E-08	9.06E-08	2.42E-07	1.81E-07	4.24E-07	3.97E-08	3.52E-08	7.49E-08	2.96E-08	1.80E-08	4.76E-08
494	563712.48	4235247.59	3.06E-07	2.52E-07	5.59E-07	5.20E-08	4.05E-08	9.25E-08	2.47E-07	1.85E-07	4.33E-07	4.05E-08	3.59E-08	7.64E-08	3.03E-08	1.83E-08	4.86E-08
495	563704.92	4235260.73	3.13E-07	2.58E-07	5.71E-07	5.31E-08	4.13E-08	9.45E-08	2.53E-07	1.89E-07	4.42E-07	4.14E-08	3.67E-08	7.81E-08	3.09E-08	1.87E-08	4.96E-08
496	563697.36	4235273.87	3.20E-07	2.63E-07	5.83E-07	5.42E-08	4.22E-08	9.64E-08	2.58E-07	1.93E-07	4.51E-07	4.23E-08	3.75E-08	7.97E-08	3.16E-08	1.91E-08	5.07E-08
497	563689.81	4235287.01	3.26E-07	2.69E-07	5.95E-07	5.53E-08	4.31E-08	9.84E-08	2.63E-07	1.97E-07	4.60E-07	4.31E-08	3.82E-08	8.13E-08	3.22E-08	1.95E-08	5.17E-08
498	563682.25	4235300.15	3.32E-07	2.74E-07	6.06E-07	5.64E-08	4.39E-08	1.00E-07	2.68E-07	2.01E-07	4.69E-07	4.39E-08	3.89E-08	8.29E-08	3.28E-08	1.99E-08	5.27E-08
499	563674.7	4235313.29	3.38E-07	2.79E-07	6.17E-07	5.74E-08	4.47E-08	1.02E-07	2.73E-07	2.04E-07	4.78E-07	4.47E-08	3.96E-08	8.44E-08	3.34E-08	2.02E-08	5.37E-08
500	563667.14	4235326.43	3.44E-07	2.83E-07	6.27E-07	5.84E-08	4.54E-08	1.04E-07	2.78E-07	2.08E-07	4.86E-07	4.55E-08	4.03E-08	8.58E-08	3.40E-08	2.06E-08	5.46E-08
501	563659.58	4235339.57	3.50E-07	2.88E-07	6.39E-07	5.94E-08	4.62E-08	1.06E-07	2.83E-07	2.12E-07	4.94E-07	4.63E-08	4.10E-08	8.73E-08	3.46E-08	2.10E-08	5.55E-08
502	563652.03	4235352.72	3.55E-07	2.93E-07	6.48E-07	6.03E-08	4.69E-08	1.07E-07	2.87E-07	2.15E-07	5.01E-07	4.70E-08	4.16E-08	8.86E-08	3.51E-08	2.13E-08	5.63E-08
503	563644.47	4235365.86	3.59E-07	2.96E-07	6.55E-07	6.09E-08	4.74E-08	1.08E-07	2.90E-07	2.17E-07	5.07E-07	4.75E-08	4.21E-08	8.96E-08	3.55E-08	2.15E-08	5.70E-08
504	563636.92	4235379	3.62E-07	2.98E-07	6.60E-07	6.14E-08	4.78E-08	1.09E-07	2.92E-07	2.19E-07	5.11E-07	4.78E-08	4.24E-08	9.02E-08	3.57E-08	2.16E-08	5.74E-08
505	563804.79	4234708.17	3.15E-07	2.60E-07	5.75E-07	5.35E-08	4.16E-08	9.51E-08	2.54E-07	1.90E-07	4.45E-07	4.17E-08	3.69E-08	7.86E-08	3.11E-08	1.89E-08	5.00E-08
506	563807.15	4234723.01	3.08E-07	2.53E-07	5.61E-07	5.22E-08	4.06E-08	9.28E-08	2.48E-07	1.86E-07	4.34E-07	4.07E-08	3.60E-08	7.67E-08	3.04E-08	1.84E-08	4.88E-08
507	563809.5	4234737.85	2.99E-07	2.46E-07	5.45E-07	5.07E-08	3.95E-08	9.02E-08	2.41E-07	1.81E-07	4.22E-07	3.95E-08	3.50E-08	7.46E-08	2.95E-08	1.79E-08	4.74E-08
508	563811.86	4234752.69	2.91E-07	2.39E-07	5.30E-07	4.93E-08	3.84E-08	8.77E-08	2.35E-07	1.76E-07	4.10E-07	3.84E-08	3.41E-08	7.25E-08	2.87E-08	1.74E-08	4.61E-08
509	563814.22	4234767.52	2.81E-07	2.31E-07	5.12E-07	4.76E-08	3.71E-08	8.47E-08	2.27E-07	1.70E-07	3.96E-07	3.71E-08	3.29E-08	7.00E-08	2.77E-08	1.68E-08	4.45E-08
510	563816.58	4234782.36	2.71E-07	2.23E-07	4.93E-07	4.59E-08	3.57E-08	8.16E-08	2.18E-07	1.64E-07	3.82E-07	3.58E-08	3.17E-08	6.75E-08	2.67E-08	1.62E-08	4.29E-08
511	563818.93	4234797.2	2.63E-07	2.17E-07	4.80E-07	4.47E-08	3.48E-08	7.95E-08	2.13E-07	1.59E-07	3.72E-07	3.48E-08	3.09E-08	6.57E-08	2.60E-08	1.58E-08	4.18E-08
512	563821.29	4234812.04	2.58E-07	2.13E-07	4.71E-07	4.38E-08	3.41E-08	7.79E-08	2.09E-07	1.56E-07	3.65E-07	3.42E-08	3.03E-08	6.44E-08	2.55E-08	1.55E-08	4.10E-08
513	563823.65	4234826.88	2.54E-07	2.09E-07	4.63E-07	4.30E-08	3.35E-08	7.65E-08	2.05E-07	1.53E-07	3.58E-07	3.35E-08	2.97E-08	6.33E-08	2.50E-08	1.52E-08	4.02E-08
514	563826.01	4234841.72	2.49E-07	2.06E-07	4.55E-07	4.23E-08	3.29E-08	7.53E-08	2.01E-07	1.51E-07	3.52E-07	3.30E-08	2.92E-08	6.22E-08	2.46E-08	1.49E-08	3.96E-08
515	563828.37	4234856.56	2.47E-07	2.04E-07	4.51E-07	4.20E-08	3.27E-08	7.46E-08	2.00E-07	1.49E-07	3.49E-07	3.27E-08	2.90E-08	6.17E-08	2.44E-08	1.48E-08	3.92E-08
516	563830.72	4234871.4	2.47E-07	2.04E-07	4.51E-07	4.19E-08	3.26E-08	7.45E-08	1.99E-07	1.49E-07	3.49E-07	3.27E-08	2.90E-08	6.16E-08	2.44E-08	1.48E-08	3.92E-08
517	563833.08	4234886.23	2.25E-07	1.85E-07	4.10E-07	3.81E-08	2.97E-08	6.78E-08	1.81E-07	1.36E-07	3.17E-07	2.97E-08	2.63E-08	5.61E-08	2.22E-08	1.35E-08	3.56E-08
518	563835.44	4234901.07	2.26E-07	1.86E-07	4.11E-07	3.83E-08	2.98E-08	6.81E-08	1.82E-07	1.36E-07	3.18E-07	2.98E-08	2.64E-08	5.63E-08	2.23E-08	1.35E-08	3.58E-08
519	563837.8	4234915.91	2.27E-07	1.87E-07	4.14E-07	3.85E-08	3.00E-08	6.86E-08	1.83E-07	1.37E-07	3.21E-07	3.00E-08	2.66E-08	5.67E-08	2.24E-08	1.36E-08	3.60E-08
520	563840.15	4234930.75	2.29E-07	1.89E-07	4.17E-07	3.88E-08	3.02E-08	6.91E-08	1.85E-07	1.38E-07	3.23E-07	3.03E-08	2.68E-08	5.71E-08	2.26E-08	1.37E-08	3.63E-08
521	563842.51	4234945.59	2.30E-07	1.90E-07	4.20E-07	3.91E-08	3.04E-08	6.95E-08	1.86E-07	1.39E-07	3.25E-07	3.05E-08	2.70E-08	5.75E-08	2.28E-08	1.38E-08	3.65E-08
522	563844.87	4234960.43	2.32E-07	1.91E-07	4.23E-07	3.94E-08	3.07E-08	7.00E-08	1.87E-07	1.40E-07	3.28E-07	3.07E-08	2.72E-08	5.79E-08	2.29E-08	1.39E-08	3.68E-08
523	563847.23	4234975.27	2.34E-07	1.92E-07	4.26E-07	3.96E-08	3.08E-08	7.05E-08	1.89E-07	1.41E-07	3.30E-07	3.09E-08	2.74E-08	5.83E-08	2.31E-08	1.40E-08	3.70E-08
524	563849.59	4234990.11	2.33E-07	1.92E-07	4.24E-07	3.95E-08	3.07E-08	7.02E-08	1.88E-07	1.41E-07	3.28E-07	3.07E-08	2.72E-08	5.80E-08	2.30E-08	1.39E-08	3.69E-08
525	563851.94	4235004.94	2.31E-07	1.90E-07	4.21E-07	3.92E-08	3.05E-08	6.96E-08	1.86E-07	1.39E-07	3.26E-07	3.05E-08	2.70E-08	5.76E-08	2.28E-08	1.38E-08	3.66E-08
526	563854.3	4235019.78	2.29E-07	1.89E-07	4.18E-07	3.89E-08	3.03E-08	6.92E-08	1.85E-07	1.39E-07	3.24E-07	3.03E-08	2.69E-08	5.72E-08	2.27E-08	1.37E-08	3.64E-08
527	563856.66	4235034.62	2.27E-07	1.87E-07	4.15E-07	3.86E-08	3.00E-08	6.86E-08	1.84E-07	1.37E-07	3.21E-07	3.01E-08	2.66E-08	5.67E-08	2.24E-08	1.36E-08	3.60E-08
528	563859.02	4235049.46	2.25E-07	1.85E-07	4.10E-07	3.81E-08	2.97E-08	6.78E-08	1.81E-07	1.36E-07	3.17E-07	2.97E-08	2.63E-08	5.60E-08	2.22E-08	1.34E-08	3.56E-08
529	563857.63	4235070.81	2.24E-07	1.85E-07	4.09E-07	3.81E-08	2.96E-08	6.77E-08	1.81E-07	1.36E-07	3.17E-07	2.97E-08	2.63E-08	5.60E-08	2.22E-08	1.34E-08	3.56E-08
530	563850.14	4235083.84	2.30E-07	1.89E-07	4.19E-07	3.90E-08	3.04E-08	6.94E-08	1.86E-07	1.39E-07	3.25E-07	3.04E-08	2.69E-08	5.74E-08	2.27E-08	1.38E-08	3.65E-08
531	563842.65	4235096.86	2.39E-07	1.97E-07	4.36E-07	4.06E-08	3.16E-08	7.21E-08	1.93E-07	1.44E-07	3.38E-07	3.16E-08	2.80E-08	5.96E-08	2.36E-08	1.43E-08	3.79E-08
532	563835.16	4235109.89	2.57E-07	2.12E-07	4.69E-07	4.37E-08	3.40E-08	7.76E-08	2.08E-07	1.55E-07	3.63E-07	3.40E-08	3.02E-08	6.42E-08	2.54E-08	1.54E-08	4.08E-08
533	563827.67	4235122.91	2.57E-07	2.12E-07	4.69E-07	4.36E-08	3.40E-08	7.76E-08	2.08E-07	1.55E-07	3.63E-07	3.40E-08	3.01E-08	6.42E-08	2.54E-08	1.54E-08	4.08E-08
534	563820.18	4235135.94	2.57E-07	2.11E-07	4.68E-07	4.36E-08	3.39E-08	7.74E-08	2.07E-07	1.55E-07	3.62E-07	3.39E-08	3.01E-08	6.40E-08	2.53E-08	1.54E-08	4.07E-08
535	563812.69	4235148.96	2.55E-07	2.10E-07	4.65E-07	4.33E-08	3.37E-08	7.70E-08	2.06E-07	1.54E-07	3.60E-07	3.37E-08	2.99E-08	6.36E-08	2.52E-08	1.53E-08	4.05E-08
536	563752.78	4235253.16	2.72E-07	2.24E-07	4.96E-07	4.61E-08	3.59E-08	8.20E-08	2.19E-07	1.64E-07	3.84E-07	3.59E-08	3.18E-08	6.78E-08	2.68E-08	1.63E-08	4.31E-08
537	563745.29	4235266.19	2.77E-07	2.28E-07	5.06E-07	4.70E-08	3.66E-08	8.36E-08	2.24E-07	1.68E-07	3.91E-07	3.67E-08	3.25E-08	6.91E-08	2.74E-08	1.66E-08	4.40E-08
538	563737.8	4235279.21	2.83E-07	2.33E-07	5.15E-07	4.80E-08	3.73E-08	8.53E-08	2.28E-07	1.71E-07	3.99E-07	3.74E-08	3.31E-08	7.05E-08	2.79E-08	1.69E-08	4.48E-08
539	563730.31	4235292.24	2.88E-07	2.37E-07	5.25E-07	4.88E-08	3.80E-08	8.69E-08	2.32E-07	1.74E-07	4.06E-07	3.81E-08	3.37E-08	7.18E-08	2.84E-08	1.72E-08	4.57E-08
540	563722.82	4235305.26	2.94E-07	2.42E-07	5.36E-07	4.98E-08	3.88E-08	8.86E-08	2.37E-07	1.77E-07	4.15E-07	3.88E-08	3.44E-08	7.32E-08	2.90E-08	1.76E-08	4.66E-08
541	563715.33	4235318.29	3.00E-07	2.47E-07	5.46E-07	5.08E-08	3.96E-08	9.04E-08	2.42E-07	1.81E-07	4.23E-07	3.96E-08	3.51E-08	7.47E-08	2.96E-08	1.79E-08	4.75E-08
542	563707.84	4235331.32	3.05E-07	2.51E-07	5.56E-07	5.17E-08	4.03E-08	9.20E-08	2.46E-07	1.84E-07	4.30E-07	4.03E-08	3.57E-08	7.60E-08	3.01E-08	1.82E-08	4.84E-08
543	563700.35	4235344.34	3.10E-07	2.56E-07	5.66E-07	5.26E-08	4.10E-08	9.36E-08	2.50E-07	1.87E-07	4.38E-07	4.10E-08	3.63E-08	7.74E-08	3.06E-08	1.86E-08	4.92E-08
544	563692.86	4235357.37	3.15E-07	2.60E-07	5.75E-07	5.35E-08	4.16E-08	9.51E-08	2.54E-07	1.90E-07	4.45E-07	4.17E-08	3.69E-08	7.86E-08	3.11E-08	1.89E-08	5.00E-08
545	563685.37	4235370.39	3.19E-07	2.63E-07	5.82E-07	5.42E-08	4.22E-08	9.63E-08	2.58E-07	1.93E-07	4.51E-07	4.22E-08	3.74E-08	7.96E-08	3.15E-08	1.91E-08	5.06E-08
546	563677.88	4235383.42	3.23E-07	2.66E-07	5.90E-07	5.49E-08	4.27E-08	9.76E-08	2.61E-07	1.95E-07	4.56E-07	4.28E-08	3.79E-08	8.06E-08	3.19E-08	1.93E-08	5.13E-08
547	563670.39	4235396.44	3.26E-07	2.69E-07	5.95E-07	5.53E-08	4.31E-08	9.84E-08	2.63E-07	1.97E-07	4.60E-07	4.31E-08	3.82E-08	8.14E-08	3.22E-08	1.95E-08	5.17E-08
548	563662.9	4235409.47	3.28E-07	2.70E-07	5.99E-07	5.57E-08	4.33E-08	9.90E-08	2.65E-07	1.98E-07	4.63E-07	4.34E-08	3.85E-08	8.19E-08	3.24E-08	1.96E-08	5.20E-08
549	563844.78	4234719.54	2.81E-07	2.32E-07	5.13E-07	4.78E-08	3.72E-08	8.49E-08	2.27E-07	1.70E-07	3.97E-07	3.72E-08	3.30E-08	7.02E-08	2.78E-08	1.68E-08	4.46E-08
550	563847.16	4234734.52	2.74E-07	2.26E-07	5.00E-07	4.65E-08	3.62E-08	8.27E-08	2.21E-07	1.66E-07	3.87E-07	3.62E-08	3.21E-08	6.83E-08	2.71E-08	1.64E-08	4.35E-08
551	563849.54	4234749.49	2.65E-07	2.19E-07	4.84E-07	4.50E-08	3.50E-08	8.01E-08	2.14E-07	1.60E-07	3.75E-07	3.51E-08	3.11E-08	6.62E-08	2.62E-08	1.59E-08	4.21E-08
552	563851.92	4234764.47	2.56E-07	2.11E-07	4.67E-07	4.35E-08	3.38E-08	7.73E-08	2.07E-07	1.55E-07	3.62E-07	3.39E-08	3.00E-08	6.39E-08	2.53E-08	1.53E-08	4.06E-08
553	563854.3	4234779.45	2.47E-07	2.03E-07	4.50E-07	4.19E-08	3.26E-08	7.45E-08	1.99E-07	1.49E-07	3.49E-07	3.26E-08	2.89E-08	6.16E-08	2.44E-08	1.48E-08	3.92E-08
554	563856.68	4234794.43	2.39E-07	1.97E-07	4.36E-07	4.05E-08	3.16E-08	7.21E-08	1.93E-07	1.44E-07	3.37E-07	3.16E-08	2.80E-08	5.96E-08	2.36E-08	1.43E-08	3.79E-08

555	563859.06	4234809.41	2.32E-07	1.91E-07	4.23E-07	3.94E-08	3.06E-08	7.00E-08	1.87E-07	1.40E-07	3.27E-07	3.07E-08	2.72E-08	5.79E-08	2.29E-08	1.39E-08	3.68E-08
556	563861.44	4234824.39	2.08E-07	1.72E-07	3.80E-07	3.54E-08	2.75E-08	6.29E-08	1.68E-07	1.26E-07	2.94E-07	2.76E-08	2.44E-08	5.20E-08	2.06E-08	1.25E-08	3.31E-08
557	563863.82	4234839.37	2.02E-07	1.66E-07	3.68E-07	3.43E-08	2.67E-08	6.09E-08	1.63E-07	1.22E-07	2.85E-07	2.67E-08	2.37E-08	5.04E-08	1.99E-08	1.21E-08	3.20E-08
558	563866.2	4234854.35	1.99E-07	1.64E-07	3.62E-07	3.37E-08	2.62E-08	5.99E-08	1.60E-07	1.20E-07	2.80E-07	2.63E-08	2.33E-08	4.95E-08	1.96E-08	1.19E-08	3.15E-08
559	563868.58	4234869.33	1.98E-07	1.63E-07	3.60E-07	3.35E-08	2.61E-08	5.96E-08	1.60E-07	1.19E-07	2.79E-07	2.61E-08	2.32E-08	4.93E-08	1.95E-08	1.18E-08	3.13E-08
560	563870.96	4234884.31	1.95E-07	1.60E-07	3.55E-07	3.30E-08	2.57E-08	5.87E-08	1.57E-07	1.18E-07	2.75E-07	2.57E-08	2.28E-08	4.85E-08	1.92E-08	1.16E-08	3.09E-08
561	563873.34	4234899.29	1.88E-07	1.55E-07	3.44E-07	3.20E-08	2.49E-08	5.69E-08	1.52E-07	1.14E-07	2.66E-07	2.49E-08	2.21E-08	4.70E-08	1.86E-08	1.13E-08	2.99E-08
562	563875.72	4234914.26	1.87E-07	1.54E-07	3.41E-07	3.17E-08	2.47E-08	5.64E-08	1.51E-07	1.13E-07	2.64E-07	2.47E-08	2.19E-08	4.66E-08	1.84E-08	1.12E-08	2.96E-08
563	563878.1	4234929.24	1.89E-07	1.56E-07	3.45E-07	3.21E-08	2.50E-08	5.71E-08	1.53E-07	1.14E-07	2.67E-07	2.50E-08	2.22E-08	4.72E-08	1.87E-08	1.13E-08	3.00E-08
564	563880.48	4234944.22	1.95E-07	1.61E-07	3.57E-07	3.32E-08	2.58E-08	5.90E-08	1.58E-07	1.18E-07	2.76E-07	2.58E-08	2.29E-08	4.88E-08	1.93E-08	1.17E-08	3.10E-08
565	563882.86	4234959.2	2.04E-07	1.68E-07	3.72E-07	3.46E-08	2.69E-08	6.15E-08	1.65E-07	1.23E-07	2.88E-07	2.70E-08	2.39E-08	5.09E-08	2.01E-08	1.22E-08	3.23E-08
566	563885.24	4234974.18	2.05E-07	1.69E-07	3.74E-07	3.48E-08	2.71E-08	6.19E-08	1.66E-07	1.24E-07	2.90E-07	2.71E-08	2.40E-08	5.12E-08	2.03E-08	1.23E-08	3.25E-08
567	563887.62	4234989.16	2.01E-07	1.66E-07	3.67E-07	3.42E-08	2.66E-08	6.08E-08	1.63E-07	1.22E-07	2.84E-07	2.66E-08	2.36E-08	5.02E-08	1.99E-08	1.21E-08	3.19E-08
568	563890	4235004.14	2.00E-07	1.65E-07	3.65E-07	3.40E-08	2.65E-08	6.05E-08	1.62E-07	1.21E-07	2.83E-07	2.65E-08	2.35E-08	5.00E-08	1.98E-08	1.20E-08	3.18E-08
569	563892.38	4235019.12	2.01E-07	1.66E-07	3.67E-07	3.41E-08	2.66E-08	6.07E-08	1.62E-07	1.22E-07	2.84E-07	2.66E-08	2.36E-08	5.02E-08	1.99E-08	1.20E-08	3.19E-08
570	563894.76	4235034.1	2.01E-07	1.66E-07	3.67E-07	3.42E-08	2.66E-08	6.07E-08	1.63E-07	1.22E-07	2.84E-07	2.66E-08	2.36E-08	5.02E-08	1.99E-08	1.20E-08	3.19E-08
571	563897.14	4235049.08	2.01E-07	1.66E-07	3.66E-07	3.41E-08	2.65E-08	6.06E-08	1.62E-07	1.21E-07	2.84E-07	2.66E-08	2.35E-08	5.01E-08	1.98E-08	1.20E-08	3.19E-08
572	563899.52	4235064.06	2.00E-07	1.65E-07	3.65E-07	3.39E-08	2.64E-08	6.04E-08	1.61E-07	1.21E-07	2.82E-07	2.65E-08	2.34E-08	4.99E-08	1.98E-08	1.20E-08	3.17E-08
573	563896.93	4235078.12	2.00E-07	1.65E-07	3.65E-07	3.40E-08	2.65E-08	6.04E-08	1.62E-07	1.21E-07	2.83E-07	2.65E-08	2.35E-08	5.00E-08	1.98E-08	1.20E-08	3.18E-08
574	563889.37	4235091.27	2.03E-07	1.67E-07	3.71E-07	3.45E-08	2.68E-08	6.13E-08	1.64E-07	1.23E-07	2.87E-07	2.69E-08	2.38E-08	5.07E-08	2.01E-08	1.22E-08	3.22E-08
575	563881.81	4235104.42	2.09E-07	1.72E-07	3.82E-07	3.55E-08	2.77E-08	6.32E-08	1.69E-07	1.27E-07	2.96E-07	2.77E-08	2.45E-08	5.22E-08	2.07E-08	1.25E-08	3.32E-08
576	563874.25	4235117.56	2.17E-07	1.79E-07	3.96E-07	3.68E-08	2.87E-08	6.55E-08	1.75E-07	1.31E-07	3.06E-07	2.87E-08	2.54E-08	5.41E-08	2.14E-08	1.30E-08	3.44E-08
577	563866.69	4235130.71	2.36E-07	1.94E-07	4.30E-07	4.00E-08	3.11E-08	7.11E-08	1.90E-07	1.42E-07	3.33E-07	3.12E-08	2.76E-08	5.88E-08	2.33E-08	1.41E-08	3.74E-08
578	563859.13	4235143.86	2.36E-07	1.95E-07	4.31E-07	4.01E-08	3.12E-08	7.12E-08	1.91E-07	1.43E-07	3.33E-07	3.12E-08	2.77E-08	5.89E-08	2.33E-08	1.41E-08	3.74E-08
579	563851.57	4235157.01	2.36E-07	1.95E-07	4.31E-07	4.01E-08	3.12E-08	7.13E-08	1.91E-07	1.43E-07	3.34E-07	3.13E-08	2.77E-08	5.90E-08	2.33E-08	1.41E-08	3.75E-08
580	563844.01	4235170.16	2.35E-07	1.94E-07	4.29E-07	3.99E-08	3.10E-08	7.09E-08	1.90E-07	1.42E-07	3.32E-07	3.11E-08	2.75E-08	5.86E-08	2.32E-08	1.41E-08	3.73E-08
581	563836.45	4235183.31	2.33E-07	1.92E-07	4.24E-07	3.95E-08	3.07E-08	7.02E-08	1.88E-07	1.41E-07	3.29E-07	3.08E-08	2.73E-08	5.80E-08	2.30E-08	1.39E-08	3.69E-08
582	563828.89	4235196.45	2.31E-07	1.91E-07	4.22E-07	3.93E-08	3.06E-08	6.98E-08	1.87E-07	1.40E-07	3.27E-07	3.06E-08	2.71E-08	5.77E-08	2.28E-08	1.38E-08	3.67E-08
583	563760.84	4235314.79	2.63E-07	2.16E-07	4.79E-07	4.45E-08	3.47E-08	7.92E-08	2.12E-07	1.59E-07	3.71E-07	3.47E-08	3.08E-08	6.55E-08	2.59E-08	1.57E-08	4.16E-08
584	563753.28	4235327.94	2.68E-07	2.20E-07	4.88E-07	4.54E-08	3.53E-08	8.08E-08	2.16E-07	1.62E-07	3.78E-07	3.54E-08	3.14E-08	6.67E-08	2.64E-08	1.60E-08	4.24E-08
585	563745.72	4235341.08	2.73E-07	2.25E-07	4.97E-07	4.62E-08	3.60E-08	8.22E-08	2.20E-07	1.65E-07	3.85E-07	3.60E-08	3.19E-08	6.80E-08	2.69E-08	1.63E-08	4.32E-08
586	563738.16	4235354.23	2.77E-07	2.28E-07	5.06E-07	4.71E-08	3.66E-08	8.37E-08	2.24E-07	1.68E-07	3.91E-07	3.67E-08	3.25E-08	6.92E-08	2.74E-08	1.66E-08	4.40E-08
587	563730.6	4235367.38	2.82E-07	2.32E-07	5.14E-07	4.79E-08	3.73E-08	8.51E-08	2.28E-07	1.70E-07	3.98E-07	3.73E-08	3.31E-08	7.04E-08	2.79E-08	1.69E-08	4.47E-08
588	563723.04	4235380.53	2.86E-07	2.35E-07	5.21E-07	4.85E-08	3.77E-08	8.62E-08	2.31E-07	1.73E-07	4.03E-07	3.78E-08	3.35E-08	7.13E-08	2.82E-08	1.71E-08	4.53E-08
589	563715.48	4235393.68	2.89E-07	2.38E-07	5.26E-07	4.90E-08	3.81E-08	8.71E-08	2.33E-07	1.74E-07	4.08E-07	3.82E-08	3.38E-08	7.20E-08	2.85E-08	1.73E-08	4.58E-08
590	563707.92	4235406.83	2.91E-07	2.40E-07	5.31E-07	4.94E-08	3.84E-08	8.78E-08	2.35E-07	1.76E-07	4.11E-07	3.85E-08	3.41E-08	7.26E-08	2.87E-08	1.74E-08	4.62E-08
591	563700.36	4235419.97	2.93E-07	2.42E-07	5.35E-07	4.98E-08	3.87E-08	8.85E-08	2.37E-07	1.77E-07	4.14E-07	3.88E-08	3.44E-08	7.32E-08	2.90E-08	1.76E-08	4.65E-08
592	563692.8	4235433.12	2.97E-07	2.44E-07	5.41E-07	5.03E-08	3.92E-08	8.95E-08	2.39E-07	1.79E-07	4.19E-07	3.92E-08	3.48E-08	7.40E-08	2.93E-08	1.78E-08	4.70E-08
593	563685.24	4235446.27	3.00E-07	2.47E-07	5.47E-07	5.09E-08	3.96E-08	9.05E-08	2.42E-07	1.81E-07	4.23E-07	3.96E-08	3.51E-08	7.48E-08	2.96E-08	1.79E-08	4.76E-08
594	563886.92	4234744.4	2.41E-07	1.99E-07	4.40E-07	4.09E-08	3.18E-08	7.27E-08	1.95E-07	1.46E-07	3.40E-07	3.19E-08	2.82E-08	6.01E-08	2.38E-08	1.44E-08	3.82E-08
595	563889.28	4234759.26	2.31E-07	1.91E-07	4.22E-07	3.92E-08	3.05E-08	6.98E-08	1.87E-07	1.40E-07	3.26E-07	3.06E-08	2.71E-08	5.77E-08	2.28E-08	1.38E-08	3.67E-08
596	563891.64	4234774.12	2.24E-07	1.84E-07	4.08E-07	3.80E-08	2.96E-08	6.76E-08	1.81E-07	1.35E-07	3.16E-07	2.96E-08	2.62E-08	5.59E-08	2.21E-08	1.34E-08	3.55E-08
597	563894	4234788.98	2.03E-07	1.67E-07	3.71E-07	3.45E-08	2.68E-08	6.13E-08	1.64E-07	1.23E-07	2.87E-07	2.69E-08	2.38E-08	5.07E-08	2.01E-08	1.22E-08	3.22E-08
598	563896.36	4234803.84	1.92E-07	1.58E-07	3.50E-07	3.25E-08	2.53E-08	5.79E-08	1.55E-07	1.16E-07	2.71E-07	2.54E-08	2.25E-08	4.78E-08	1.89E-08	1.15E-08	3.04E-08
599	563898.73	4234818.71	1.82E-07	1.50E-07	3.31E-07	3.08E-08	2.40E-08	5.48E-08	1.47E-07	1.10E-07	2.56E-07	2.40E-08	2.13E-08	4.53E-08	1.79E-08	1.09E-08	2.88E-08
600	563901.09	4234833.57	1.76E-07	1.45E-07	3.21E-07	2.99E-08	2.33E-08	5.32E-08	1.42E-07	1.06E-07	2.49E-07	2.33E-08	2.06E-08	4.39E-08	1.74E-08	1.05E-08	2.79E-08
601	563903.45	4234848.43	1.72E-07	1.42E-07	3.13E-07	2.91E-08	2.27E-08	5.18E-08	1.39E-07	1.04E-07	2.42E-07	2.27E-08	2.01E-08	4.28E-08	1.70E-08	1.03E-08	2.72E-08
602	563905.81	4234863.29	1.69E-07	1.39E-07	3.09E-07	2.87E-08	2.24E-08	5.11E-08	1.37E-07	1.02E-07	2.39E-07	2.24E-08	1.98E-08	4.22E-08	1.67E-08	1.01E-08	2.69E-08
603	563908.17	4234878.15	1.68E-07	1.39E-07	3.07E-07	2.85E-08	2.22E-08	5.08E-08	1.36E-07	1.02E-07	2.38E-07	2.22E-08	1.97E-08	4.20E-08	1.66E-08	1.01E-08	2.67E-08
604	563910.53	4234893.02	1.68E-07	1.39E-07	3.07E-07	2.86E-08	2.22E-08	5.08E-08	1.36E-07	1.02E-07	2.38E-07	2.23E-08	1.97E-08	4.20E-08	1.66E-08	1.01E-08	2.67E-08
605	563912.89	4234907.88	1.70E-07	1.40E-07	3.09E-07	2.88E-08	2.24E-08	5.12E-08	1.37E-07	1.02E-07	2.39E-07	2.24E-08	1.99E-08	4.23E-08	1.67E-08	1.01E-08	2.69E-08
606	563915.26	4234922.74	1.72E-07	1.41E-07	3.13E-07	2.91E-08	2.27E-08	5.18E-08	1.39E-07	1.04E-07	2.42E-07	2.27E-08	2.01E-08	4.28E-08	1.69E-08	1.03E-08	2.72E-08
607	563917.62	4234937.6	1.74E-07	1.43E-07	3.18E-07	2.96E-08	2.30E-08	5.26E-08	1.41E-07	1.05E-07	2.46E-07	2.30E-08	2.04E-08	4.34E-08	1.72E-08	1.04E-08	2.76E-08
608	563919.98	4234952.46	1.77E-07	1.46E-07	3.23E-07	3.00E-08	2.34E-08	5.34E-08	1.43E-07	1.07E-07	2.50E-07	2.34E-08	2.07E-08	4.42E-08	1.75E-08	1.06E-08	2.81E-08
609	563922.34	4234967.33	1.80E-07	1.48E-07	3.28E-07	3.05E-08	2.38E-08	5.43E-08	1.45E-07	1.09E-07	2.54E-07	2.38E-08	2.11E-08	4.49E-08	1.78E-08	1.08E-08	2.85E-08
610	563924.7	4234982.19	1.83E-07	1.50E-07	3.33E-07	3.10E-08	2.41E-08	5.51E-08	1.47E-07	1.10E-07	2.58E-07	2.41E-08	2.14E-08	4.55E-08	1.80E-08	1.09E-08	2.90E-08
611	563927.06	4234997.05	1.85E-07	1.52E-07	3.37E-07	3.14E-08	2.44E-08	5.58E-08	1.49E-07	1.12E-07	2.61E-07	2.44E-08	2.17E-08	4.61E-08	1.83E-08	1.11E-08	2.93E-08
612	563929.42	4235011.91	1.86E-07	1.54E-07	3.40E-07	3.16E-08	2.46E-08	5.63E-08	1.51E-07	1.13E-07	2.63E-07	2.47E-08	2.19E-08	4.65E-08	1.84E-08	1.12E-08	2.96E-08
613	563931.79	4235026.77	1.87E-07	1.54E-07	3.41E-07	3.18E-08	2.47E-08	5.65E-08	1.51E-07	1.13E-07	2.64E-07	2.48E-08	2.19E-08	4.67E-08	1.85E-08	1.12E-08	2.97E-08
614	563934.15	4235041.64	1.79E-07	1.48E-07	3.27E-07	3.04E-08	2.37E-08	5.41E-08	1.45E-07	1.08E-07	2.53E-07	2.37E-08	2.10E-08	4.47E-08	1.77E-08	1.07E-08	2.84E-08
615	563936.51	4235056.5	1.72E-07	1.42E-07	3.14E-07	2.92E-08	2.27E-08	5.19E-08	1.39E-07	1.04E-07	2.43E-07	2.28E-08	2.02E-08	4.29E-08	1.70E-08	1.03E-08	2.73E-08
616	563938.87	4235071.36	1.78E-07	1.47E-07	3.25E-07	3.02E-08	2.35E-08	5.37E-08	1.44E-07	1.08E-07	2.51E-07	2.35E-08	2.09E-08	4.44E-08	1.76E-08	1.07E-08	2.82E-08
617	563936.3	4235085.31	1.86E-07	1.53E-07	3.38E-07	3.15E-08	2.45E-08	5.60E-08	1.50E-07	1.12E-07	2.62E-07	2.45E-08	2.17E-08	4.63E-08	1.83E-08	1.11E-08	2.94E-08
618	563928.8	4235098.36	1.88E-07	1.55E-07	3.44E-07	3.20E-08	2.49E-08	5.69E-08	1.52E-07	1.14E-07	2.66E-07	2.49E-08	2.21E-08	4.70E-08	1.86E-08	1.13E-08	2.99E-08
619	563921.3	4235111.4	1.86E-07	1.53E-07	3.39E-07	3.16E-08	2.46E-08	5.62E-08	1.50E-07	1.12E-07	2.63E-07	2.46E-08	2.18E-08	4.64E-08	1.84E-08	1.11E-08	2.95E-08
620	563913.8	4235124.45	1.89E-07	1.56E-07	3.45E-07	3.21E-08	2.50E-08	5.72E-08	1.53E-07	1.14E-07	2.67E-07	2.50E-08	2.22E-08	4.72E-08	1.87E-08	1.13E-08	3.00E-08
621	563906.3	4235137.49	1.95E-07	1.61E-07	3.56E-07	3.32E-08	2.58E-08	5.90E-08	1.58E-07	1.18E-07	2.76E-07	2.58E-08	2.29E-08	4.88E-08	1.93E-08	1.17E-08	3.10E-08
622	563898.79	4235150.54	2.02E-07	1.66E-07	3.68E-07	3.43E-08	2.67E-08	6.09E-08	1.63E-07	1.22E-07	2.85E-07	2.67E-08	2.37E-08	5.03E-08	1.99E-08	1.21E-08	3.20E-08
623	563891.29	4235163.59	2.16E-07	1.78E-07	3.95E-07	3.67E-08	2.86E-08	6.53E-08	1.75E-07	1.31E-07	3.06E-07	2.86E-08	2.54E-08	5.40E-08	2.14E-08	1.30E-08	3.43E-08
624	563883.79	4235176.63	2.18E-07	1.79E-07	3.97E-07	3.69E-08	2.87E-08	6.57E-08	1.76E-07	1.32E-07	3.07E-07	2.88E-08	2.55E-08	5.43E-08	2.15E-08	1.30E-08	3.45E-08
625	563876.29	4235189.68	2.17E-07	1.79E-07	3.95E-07	3.68E-08	2.86E-08	6.54E-08	1.75E-07	1.31E-07	3.06E-07	2.87E-08	2.54E-08	5.41E-08	2.14E-08	1.30E-08	3.44E-08
626	563868.79	4235202.72	2.15E-07	1.77E-07	3.92E-07	3.65E-08	2.84E-08	6.49E-08	1.74E-07	1.30E-07	3.04E-07	2.84E-08	2.52E-08	5.36E-08	2.12E-08	1.29E-08	3.41E-08
627	563861.29	4235215.77	2.14E-07	1.76E-07	3.90E-07	3.63E-08	2.82E-08	6.45E-08	1.73E-07	1.29E-07	3.02E-07	2.83E-08	2.51E-08	5.33E-08	2.11E-08	1.28E-08	3.39E-08
628	563853.79	4235228.81	2.14E-07	1.76E-07	3.90E-07	3.63E-08	2.82E-08	6.45E-08	1.73E-07	1.29E-07	3.02E-07	2.83E-08	2.50E-08	5.33E-08	2.11E-08	1.28E-08	3.39E-08
629	563763.77	4235385.36	2.53E-07	2.08E-07	4.61E-07	4.29E-08	3.34E-08	7.63E-08	2.04E-07	1.53E-07	3.57E-07	3.35E-08	2.96E-08	6.31E-08	2.50E-08	1.51E-08	4.01E-08
630	563756.27	4235398.4	2.57E-07	2.12E-07	4.68E-07	4.36E-08	3.39E-08	7.75E-08	2.07E-07	1.55E-07	3.63E-07	3.40E-08	3.01E-08	6.40E-08	2.54E-08	1.54E-08	4.07E-08
631	563748.77	4235411.45	2.60E-07	2.14E-07	4.74E-07	4.41E-08	3.44E-08	7.85E-08	2.10E-07	1.57E-07	3.67E-07	3.44E-08	3.05E-08	6.49E-08	2.57E-08	1.56E-08	4.13E-08
632	563741.27	4235424.5	2.64E-07	2.17E-07	4.81E-07	4.47E-08	3.48E-08	7.95E-08	2.13E-07	1.59E-07	3.72E-07	3.49E-08	3.09E-08	6.57E-08	2.60E-08	1.58E-08	4.18E-08
633	563733.76	4235437.54	2.67E-07	2.20E-07	4.87E-07	4.53E-08	3.53E-08	8.06E-08	2.16E-07	1.61E-07	3.77E-07	3.53E-08	3.13E-08	6.66E-08	2.64E-08	1.60E-08	4.24E-08
634	563726.26	4235450.59	2.70E-07	2.23E-07	4.93E-07	4.59E-08	3.57E-08	8.16E-08	2.18E-07	1.63E-07	3.82E-07	3.58E-08	3.17E-08	6.74E-08	2.67E-08	1.62E-08	4.29E-08
635	563718.76	4235463.63	2.73E-07	2.25E-07	4.98E-07	4.64E-08	3.61E-08	8.24E-08	2.21E-07	1.65E-07	3.86E-07	3.61E-08	3.20E-08	6.81E-08	2.70E-08	1.64E-08	4.33E-08
636	563711.26	4235476.68	2.76E-07	2.27E-07	5.03E-07	4.68E-08	3.64E-08	8.32E-08	2.23E-07	1.67E-07	3.89E-07	3.65E-08	3.23E-08	6.88E-08	2.72E-08	1.65E-08	4.37E-08
637	563264.35	4234908.12	7.32E-06	6.03E-06	1.34E-05	1.24E-06	9.67E-07	2.21E-06	5.91E-06	4.42E-06	1.03E-05	9.68E-07	8.58E-07	1.83E-06	7.23E-07	4.38E-07	1.16E-06
638	563600.71	4234810.21	5.68E-07	4.68E-07	1.04E-06	9.65E-08	7.51E-08	1.72E-07	4.59E-07	3.44E-07	8.03E-07	7.52E-08	6.66E-08	1.42E-07	5.61E-08	3.40E-08	9.02E-08
639	563638.6	4234797.4	4.92E-07	4.05E-07	8.98E-07	8.35E-08	6.50E-08	1.49E-07	3.97E-07	2.97E-07	6.95E-07	6.51E-08	5.77E-08	1.23E-07	4.86E-08	2.95E-08	7.81E-08
640	563633.81	4234783.23	5.04E-07	4.15E-07	9.20E-07	8.56E-08	6.66E-08	1.52E-07	4.07E-07	3.05E-07	7.12E-07	6.67E-08	5.91E-08	1.26E-07	4.98E-08	3.02E-08	8.00E-08
641	563676.5	4234784.59	4.32E-07	3.56E-07	7.87E-07	7.32E-08	5.70E-08	1.30E-07	3.49E-07	2.61E-07	6.09E-07	5.71E-08	5.06E-08	1.08E-07	4.26E-08	2.58E-08	6.85E-08
642	563671.71	4234770.42	4.43E-07	3.65E-07	8.08E-07	7.51E-08	5.85E-08	1.34E-07	3.58E-07	2.68E-07	6.25E-07	5.86E-08	5.19E-08	1.10E-07	4.37E-08	2.65E-08	7.02E-08
643	563714.39	4234771.78	3.80E-07	3.13E-07	6.92E-07	6.44E-08	5.01E-08	1.15E-07	3.07E-07	2.29E-07	5.36E-07	5.02E-08	4.45E-08	9.47E-08	3.75E-08	2.27E-08	6.02E-08
644	563709.6	4234757.61	3.89E-07	3.20E-07	7.09E-07	6.60E-08	5.14E-08	1.17E-07	3.14E-07	2.35E-07	5.49E-07	5.14E-08	4.56E-08	9.70E-08	3.84E-08	2.33E-08	6.17E-08
645	563828.07	4234733.35	2.88E-07	2.37E-07	5.24E-07	4.88E-08	3.80E-08	8.68E-08	2.32E-07	1.74E-07	4.06E-07	3.80E-08	3.37E-08	7.17E-08	2.84E-08	1.72E-08	4.56E-08
646	563823.28	4234719.18	2.96E-07	2.44E-07	5.41E-07	5.03E-08	3.92E-08	8.95E-08	2.39E-07	1.79E-07	4.19E-07	3.92E-08	3.47E-08	7.39E-08	2.93E-08	1.77E-08	4.70E-08
647	563259.98	4234894.07	8.25E-06	6.80E-06	1.50E-05	1.40E-06	1.09E-06	2.49E-06	6.66E-06	4.99E-06	1.16E-05	1.09E-06	9.67E-07	2.06E-06	8.15E-07	4.94E-07	1.31E-06

648	563271.83	4234898.47	6.66E-06	5.49E-06	1.22E-05	1.13E-06	8.80E-07	2.01E-06	5.38E-06	4.03E-06	9.41E-06	8.81E-07	7.81E-07	1.66E-06	6.58E-07	3.99E-07	1.06E-06
649	563281.37	4234895.49	5.79E-06	4.77E-06	1.06E-05	9.82E-07	7.64E-07	1.75E-06	4.67E-06	3.50E-06	8.17E-06	7.65E-07	6.78E-07	1.44E-06	5.72E-07	3.46E-07	9.18E-07
650	563290.92	4234892.52	5.07E-06	4.17E-06	9.24E-06	8.59E-07	6.69E-07	1.53E-06	4.09E-06	3.06E-06	7.15E-06	6.70E-07	5.94E-07	1.26E-06	5.00E-07	3.03E-07	8.03E-07
651	563300.47	4234889.55	4.46E-06	3.68E-06	8.14E-06	7.57E-07	5.90E-07	1.35E-06	3.60E-06	2.70E-06	6.30E-06	5.90E-07	5.23E-07	1.11E-06	4.41E-07	2.67E-07	7.08E-07
652	563307.72	4234879.2	4.11E-06	3.39E-06	7.50E-06	6.97E-07	5.43E-07	1.24E-06	3.32E-06	2.48E-06	5.80E-06	5.43E-07	4.82E-07	1.03E-06	4.06E-07	2.46E-07	6.52E-07
653	563317.27	4234876.23	3.65E-06	3.01E-06	6.66E-06	6.20E-07	4.83E-07	1.10E-06	2.95E-06	2.21E-06	5.16E-06	4.83E-07	4.28E-07	9.11E-07	3.61E-07	2.19E-07	5.80E-07
654	563326.82	4234873.26	3.27E-06	2.69E-06	5.96E-06	5.54E-07	4.31E-07	9.85E-07	2.64E-06	1.97E-06	4.61E-06	4.32E-07	3.83E-07	8.15E-07	3.23E-07	1.95E-07	5.18E-07
655	563269.52	4234888.23	7.09E-06	5.84E-06	1.29E-05	1.20E-06	9.37E-07	2.14E-06	5.73E-06	4.29E-06	1.00E-05	9.38E-07	8.31E-07	1.77E-06	7.01E-07	4.25E-07	1.13E-06
656	563279.41	4234886.69	6.07E-06	5.00E-06	1.11E-05	1.03E-06	8.01E-07	1.83E-06	4.90E-06	3.67E-06	8.57E-06	8.02E-07	7.11E-07	1.51E-06	5.99E-07	3.63E-07	9.62E-07
657	563606.82	4234844.55	5.50E-07	4.53E-07	1.00E-06	9.33E-08	7.26E-08	1.66E-07	4.44E-07	3.32E-07	7.76E-07	7.27E-08	6.44E-08	1.37E-07	5.43E-08	3.29E-08	8.72E-08
658	563646.34	4234838.4	4.73E-07	3.90E-07	8.63E-07	8.03E-08	6.25E-08	1.43E-07	3.82E-07	2.86E-07	6.68E-07	6.26E-08	5.55E-08	1.18E-07	4.67E-08	2.83E-08	7.51E-08
659	563685.87	4234832.25	4.09E-07	3.37E-07	7.46E-07	6.94E-08	5.40E-08	1.23E-07	3.30E-07	2.47E-07	5.77E-07	5.41E-08	4.79E-08	1.02E-07	4.04E-08	2.45E-08	6.49E-08
660	563684.53	4234823.64	4.11E-07	3.39E-07	7.50E-07	6.97E-08	5.43E-08	1.24E-07	3.32E-07	2.48E-07	5.80E-07	5.44E-08	4.82E-08	1.03E-07	4.06E-08	2.46E-08	6.52E-08
661	563725.39	4234826.1	3.51E-07	2.89E-07	6.41E-07	5.96E-08	4.64E-08	1.06E-07	2.84E-07	2.12E-07	4.96E-07	4.64E-08	4.12E-08	8.76E-08	3.47E-08	2.10E-08	5.57E-08
662	563804.44	4234813.8	2.72E-07	2.24E-07	4.97E-07	4.62E-08	3.60E-08	8.22E-08	2.20E-07	1.65E-07	3.85E-07	3.60E-08	3.19E-08	6.80E-08	2.69E-08	1.63E-08	4.32E-08
663	563803.1	4234805.19	2.75E-07	2.27E-07	5.02E-07	4.67E-08	3.64E-08	8.31E-08	2.22E-07	1.66E-07	3.89E-07	3.64E-08	3.23E-08	6.87E-08	2.72E-08	1.65E-08	4.37E-08
664	563843.97	4234807.65	2.44E-07	2.01E-07	4.45E-07	4.14E-08	3.22E-08	7.36E-08	1.97E-07	1.47E-07	3.44E-07	3.23E-08	2.86E-08	6.08E-08	2.41E-08	1.46E-08	3.87E-08
665	563883.49	4234801.49	2.03E-07	1.67E-07	3.70E-07	3.44E-08	2.68E-08	6.12E-08	1.64E-07	1.23E-07	2.86E-07	2.68E-08	2.38E-08	5.06E-08	2.00E-08	1.21E-08	3.22E-08
666	563923.01	4234795.34	1.84E-07	1.52E-07	3.36E-07	3.13E-08	2.43E-08	5.56E-08	1.49E-07	1.11E-07	2.60E-07	2.44E-08	2.16E-08	4.60E-08	1.82E-08	1.10E-08	2.92E-08
667	563921.67	4234786.73	1.90E-07	1.57E-07	3.47E-07	3.23E-08	2.51E-08	5.74E-08	1.54E-07	1.15E-07	2.69E-07	2.52E-08	2.23E-08	4.75E-08	1.88E-08	1.14E-08	3.02E-08
668	563258.09	4234879.94	8.87E-06	7.31E-06	1.62E-05	1.51E-06	1.17E-06	2.68E-06	7.16E-06	5.36E-06	1.25E-05	1.17E-06	1.04E-06	2.21E-06	8.76E-07	5.31E-07	1.41E-06
669	563267.97	4234878.38	7.44E-06	6.13E-06	1.36E-05	1.26E-06	9.83E-07	2.25E-06	6.01E-06	4.50E-06	1.05E-05	9.84E-07	8.72E-07	1.86E-06	7.35E-07	4.45E-07	1.18E-06
670	563277.85	4234876.82	6.33E-06	5.22E-06	1.15E-05	1.07E-06	8.36E-07	1.91E-06	5.11E-06	3.83E-06	8.94E-06	8.37E-07	7.42E-07	1.58E-06	6.25E-07	3.79E-07	1.00E-06
671	563287.73	4234875.27	5.45E-06	4.49E-06	9.94E-06	9.25E-07	7.20E-07	1.64E-06	4.40E-06	3.29E-06	7.69E-06	7.21E-07	6.38E-07	1.36E-06	5.38E-07	3.26E-07	8.64E-07
672	563297.61	4234873.71	4.74E-06	3.90E-06	8.64E-06	8.04E-07	6.26E-07	1.43E-06	3.82E-06	2.86E-06	6.69E-06	6.26E-07	5.55E-07	1.18E-06	4.68E-07	2.83E-07	7.51E-07
673	563564.31	4234831.67	6.48E-07	5.34E-07	1.18E-06	1.10E-07	8.55E-08	1.95E-07	5.23E-07	3.91E-07	9.14E-07	8.57E-08	7.59E-08	1.62E-07	6.40E-08	3.88E-08	1.03E-07
674	563605.37	4234835.21	5.54E-07	4.57E-07	1.01E-06	9.41E-08	7.32E-08	1.67E-07	4.48E-07	3.35E-07	7.83E-07	7.33E-08	6.50E-08	1.38E-07	5.47E-08	3.32E-08	8.79E-08
675	563603.83	4234825.44	5.59E-07	4.61E-07	1.02E-06	9.49E-08	7.39E-08	1.69E-07	4.52E-07	3.38E-07	7.89E-07	7.40E-08	6.55E-08	1.39E-07	5.52E-08	3.35E-08	8.87E-08
676	563644.88	4234828.98	4.76E-07	3.92E-07	8.69E-07	8.08E-08	6.29E-08	1.44E-07	3.85E-07	2.88E-07	6.72E-07	6.30E-08	5.58E-08	1.19E-07	4.70E-08	2.85E-08	7.55E-08
677	563643.34	4234819.21	4.80E-07	3.95E-07	8.75E-07	8.14E-08	6.34E-08	1.45E-07	3.88E-07	2.90E-07	6.78E-07	6.35E-08	5.62E-08	1.20E-07	4.74E-08	2.87E-08	7.61E-08
678	563682.85	4234812.99	4.15E-07	3.42E-07	7.56E-07	7.03E-08	5.48E-08	1.25E-07	3.35E-07	2.51E-07	5.85E-07	5.48E-08	4.86E-08	1.03E-07	4.09E-08	2.48E-08	6.58E-08
679	563723.9	4234816.53	3.53E-07	2.91E-07	6.45E-07	6.00E-08	4.67E-08	1.07E-07	2.85E-07	2.14E-07	4.99E-07	4.67E-08	4.14E-08	8.82E-08	3.49E-08	2.12E-08	5.61E-08
680	563722.36	4234806.76	3.59E-07	2.96E-07	6.54E-07	6.09E-08	4.74E-08	1.08E-07	2.90E-07	2.17E-07	5.07E-07	4.75E-08	4.20E-08	8.95E-08	3.54E-08	2.15E-08	5.69E-08
681	563842.44	4234797.84	2.47E-07	2.04E-07	4.51E-07	4.20E-08	3.27E-08	7.47E-08	2.00E-07	1.50E-07	3.49E-07	3.27E-08	2.90E-08	6.17E-08	2.44E-08	1.48E-08	3.93E-08
682	563840.9	4234788.07	2.51E-07	2.07E-07	4.59E-07	4.27E-08	3.32E-08	7.59E-08	2.03E-07	1.52E-07	3.55E-07	3.32E-08	2.95E-08	6.27E-08	2.48E-08	1.50E-08	3.99E-08
683	563881.95	4234791.62	2.24E-07	1.84E-07	4.08E-07	3.80E-08	2.95E-08	6.75E-08	1.81E-07	1.35E-07	3.16E-07	2.96E-08	2.62E-08	5.58E-08	2.21E-08	1.34E-08	3.55E-08
684	563880.41	4234781.85	2.29E-07	1.89E-07	4.18E-07	3.89E-08	3.02E-08	6.91E-08	1.85E-07	1.38E-07	3.23E-07	3.03E-08	2.68E-08	5.71E-08	2.26E-08	1.37E-08	3.63E-08
685	563919.92	4234775.62	1.95E-07	1.60E-07	3.55E-07	3.30E-08	2.57E-08	5.87E-08	1.57E-07	1.18E-07	2.75E-07	2.57E-08	2.28E-08	4.85E-08	1.92E-08	1.16E-08	3.09E-08
686	563257.42	4234870.19	9.19E-06	7.57E-06	1.68E-05	1.56E-06	1.21E-06	2.77E-06	7.42E-06	5.55E-06	1.30E-05	1.22E-06	1.08E-06	2.29E-06	9.08E-07	5.50E-07	1.46E-06
687	563267.39	4234869.41	7.65E-06	6.30E-06	1.39E-05	1.30E-06	1.01E-06	2.31E-06	6.17E-06	4.62E-06	1.08E-05	1.01E-06	8.96E-07	1.91E-06	7.55E-07	4.58E-07	1.21E-06
688	563307.26	4234866.27	4.19E-06	3.45E-06	7.63E-06	7.10E-07	5.53E-07	1.26E-06	3.38E-06	2.53E-06	5.91E-06	5.54E-07	4.91E-07	1.04E-06	4.13E-07	2.51E-07	6.64E-07
689	563317.23	4234865.48	3.69E-06	3.04E-06	6.72E-06	6.25E-07	4.87E-07	1.11E-06	2.98E-06	2.23E-06	5.20E-06	4.87E-07	4.32E-07	9.19E-07	3.64E-07	2.21E-07	5.85E-07
690	563327.2	4234864.7	3.27E-06	2.69E-06	5.96E-06	5.55E-07	4.32E-07	9.86E-07	2.64E-06	1.98E-06	4.61E-06	4.32E-07	3.83E-07	8.15E-07	3.23E-07	1.96E-07	5.18E-07
691	563347.14	4234863.13	2.62E-06	2.16E-06	4.78E-06	4.44E-07	3.46E-07	7.90E-07	2.11E-06	1.58E-06	3.70E-06	3.46E-07	3.07E-07	6.53E-07	2.59E-07	1.57E-07	4.15E-07
692	563607.29	4234854.77	5.47E-07	4.51E-07	9.98E-07	9.28E-08	7.23E-08	1.65E-07	4.42E-07	3.31E-07	7.72E-07	7.24E-08	6.41E-08	1.36E-07	5.40E-08	3.27E-08	8.68E-08
693	563647.16	4234851.63	4.72E-07	3.89E-07	8.60E-07	8.00E-08	6.23E-08	1.42E-07	3.81E-07	2.85E-07	6.66E-07	6.24E-08	5.53E-08	1.18E-07	4.66E-08	2.82E-08	7.48E-08
694	563687.04	4234848.49	4.08E-07	3.36E-07	7.44E-07	6.92E-08	5.39E-08	1.23E-07	3.29E-07	2.47E-07	5.76E-07	5.40E-08	4.78E-08	1.02E-07	4.03E-08	2.44E-08	6.47E-08
695	563726.92	4234845.35	3.50E-07	2.88E-07	6.39E-07	5.94E-08	4.62E-08	1.06E-07	2.83E-07	2.12E-07	4.94E-07	4.63E-08	4.10E-08	8.73E-08	3.46E-08	2.10E-08	5.55E-08
696	563806.67	4234839.06	2.68E-07	2.21E-07	4.89E-07	4.55E-08	3.54E-08	8.09E-08	2.16E-07	1.62E-07	3.78E-07	3.55E-08	3.14E-08	6.69E-08	2.65E-08	1.60E-08	4.25E-08
697	563805.72	4234827	2.70E-07	2.22E-07	4.92E-07	4.57E-08	3.56E-08	8.13E-08	2.18E-07	1.63E-07	3.81E-07	3.56E-08	3.16E-08	6.72E-08	2.66E-08	1.61E-08	4.28E-08
698	563846.55	4234835.92	2.14E-07	1.77E-07	3.91E-07	3.64E-08	2.83E-08	6.47E-08	1.73E-07	1.30E-07	3.03E-07	2.84E-08	2.51E-08	5.35E-08	2.12E-08	1.28E-08	3.40E-08
699	563845.6	4234823.86	2.38E-07	1.96E-07	4.34E-07	4.04E-08	3.15E-08	7.19E-08	1.92E-07	1.44E-07	3.36E-07	3.15E-08	2.79E-08	5.94E-08	2.35E-08	1.43E-08	3.78E-08
700	563886.42	4234832.78	1.87E-07	1.54E-07	3.41E-07	3.18E-08	2.47E-08	5.65E-08	1.51E-07	1.13E-07	2.64E-07	2.48E-08	2.19E-08	4.67E-08	1.85E-08	1.12E-08	2.97E-08
701	563885.47	4234820.72	1.91E-07	1.57E-07	3.48E-07	3.24E-08	2.52E-08	5.76E-08	1.54E-07	1.15E-07	2.69E-07	2.52E-08	2.24E-08	4.76E-08	1.88E-08	1.14E-08	3.03E-08
702	563926.3	4234829.64	1.67E-07	1.37E-07	3.04E-07	2.83E-08	2.20E-08	5.03E-08	1.35E-07	1.01E-07	2.35E-07	2.20E-08	1.95E-08	4.16E-08	1.65E-08	9.98E-09	2.64E-08
703	563925.35	4234817.58	1.70E-07	1.40E-07	3.11E-07	2.89E-08	2.25E-08	5.14E-08	1.38E-07	1.03E-07	2.40E-07	2.25E-08	2.00E-08	4.25E-08	1.68E-08	1.02E-08	2.70E-08
704	563257.7	4234861.16	9.30E-06	7.66E-06	1.70E-05	1.58E-06	1.23E-06	2.81E-06	7.51E-06	5.62E-06	1.31E-05	1.23E-06	1.09E-06	2.32E-06	9.19E-07	5.57E-07	1.48E-06
705	563277.6	4234867.42	6.45E-06	5.31E-06	1.18E-05	1.09E-06	8.52E-07	1.95E-06	5.21E-06	3.90E-06	9.11E-06	8.53E-07	7.56E-07	1.61E-06	6.37E-07	3.86E-07	1.02E-06
706	563287.69	4234861.64	5.54E-06	4.57E-06	1.01E-05	9.41E-07	7.32E-07	1.67E-06	4.48E-06	3.35E-06	7.83E-06	7.33E-07	6.50E-07	1.38E-06	5.48E-07	3.32E-07	8.79E-07
707	563297.69	4234861.8	4.79E-06	3.95E-06	8.73E-06	8.13E-07	6.32E-07	1.44E-06	3.87E-06	2.89E-06	6.76E-06	6.33E-07	5.61E-07	1.19E-06	4.73E-07	2.87E-07	7.60E-07
708	563607.56	4234872.7	5.44E-07	4.48E-07	9.92E-07	9.23E-08	7.18E-08	1.64E-07	4.39E-07	3.29E-07	7.68E-07	7.19E-08	6.37E-08	1.36E-07	5.37E-08	3.26E-08	8.63E-08
709	563647.65	4234867.4	4.71E-07	3.88E-07	8.60E-07	8.00E-08	6.22E-08	1.42E-07	3.81E-07	2.85E-07	6.65E-07	6.23E-08	5.52E-08	1.18E-07	4.65E-08	2.82E-08	7.48E-08
710	563687.45	4234879.91	4.12E-07	3.40E-07	7.52E-07	7.00E-08	5.45E-08	1.24E-07	3.33E-07	2.49E-07	5.82E-07	5.45E-08	4.83E-08	1.03E-07	4.07E-08	2.47E-08	6.54E-08
711	563687.64	4234868.04	4.10E-07	3.38E-07	7.48E-07	6.95E-08	5.41E-08	1.24E-07	3.31E-07	2.48E-07	5.79E-07	5.42E-08	4.80E-08	1.02E-07	4.05E-08	2.45E-08	6.50E-08
712	563727.45	4234880.55	3.61E-07	2.97E-07	6.59E-07	6.13E-08	4.77E-08	1.09E-07	2.92E-07	2.18E-07	5.10E-07	4.78E-08	4.23E-08	9.01E-08	3.57E-08	2.16E-08	5.73E-08
713	563727.64	4234868.68	3.57E-07	2.94E-07	6.52E-07	6.06E-08	4.72E-08	1.08E-07	2.89E-07	2.16E-07	5.05E-07	4.73E-08	4.19E-08	8.91E-08	3.53E-08	2.14E-08	5.67E-08
714	563807.44	4234881.83	2.74E-07	2.26E-07	4.99E-07	4.65E-08	3.62E-08	8.26E-08	2.21E-07	1.65E-07	3.87E-07	3.62E-08	3.21E-08	6.83E-08	2.70E-08	1.64E-08	4.34E-08
715	563807.63	4234869.96	2.71E-07	2.23E-07	4.94E-07	4.59E-08	3.57E-08	8.17E-08	2.19E-07	1.64E-07	3.82E-07	3.58E-08	3.17E-08	6.75E-08	2.67E-08	1.62E-08	4.29E-08
716	563847.43	4234882.47	2.10E-07	1.73E-07	3.83E-07	3.56E-08	2.77E-08	6.33E-08	1.69E-07	1.27E-07	2.96E-07	2.77E-08	2.46E-08	5.23E-08	2.07E-08	1.26E-08	3.33E-08
717	563847.62	4234870.6	2.09E-07	1.72E-07	3.81E-07	3.54E-08	2.76E-08	6.30E-08	1.69E-07	1.26E-07	2.95E-07	2.76E-08	2.45E-08	5.21E-08	2.06E-08	1.25E-08	3.31E-08
718	563887.43	4234883.11	1.82E-07	1.50E-07	3.32E-07	3.09E-08	2.41E-08	5.50E-08	1.47E-07	1.10E-07	2.57E-07	2.41E-08	2.14E-08	4.55E-08	1.80E-08	1.09E-08	2.89E-08
719	563887.62	4234871.24	1.83E-07	1.51E-07	3.34E-07	3.10E-08	2.42E-08	5.52E-08	1.48E-07	1.11E-07	2.58E-07	2.42E-08	2.14E-08	4.56E-08	1.81E-08	1.09E-08	2.90E-08
720	563927.42	4234883.75	1.61E-07	1.33E-07	2.94E-07	2.74E-08	2.13E-08	4.86E-08	1.30E-07	9.74E-08	2.28E-07	2.13E-08	1.89E-08	4.02E-08	1.59E-08	9.65E-09	2.56E-08
721	563927.61	4234871.88	1.61E-07	1.33E-07	2.93E-07	2.73E-08	2.12E-08	4.85E-08	1.30E-07	9.72E-08	2.27E-07	2.13E-08	1.89E-08	4.01E-08	1.59E-08	9.63E-09	2.55E-08
722	563258.07	4234844.7	9.47E-06	7.80E-06	1.73E-05	1.61E-06	1.25E-06	2.86E-06	7.65E-06	5.72E-06	1.34E-05	1.25E-06	1.11E-06	2.36E-06	9.35E-07	5.67E-07	1.50E-06
723	563267.88	4234853.26	7.77E-06	6.40E-06	1.42E-05	1.32E-06	1.03E-06	2.34E-06	6.27E-06	4.69E-06	1.10E-05	1.03E-06	9.10E-07	1.94E-06	7.67E-07	4.65E-07	1.23E-06
724	563277.88	4234853.49	6.53E-06	5.38E-06	1.19E-05	1.11E-06	8.62E-07	1.97E-06	5.27E-06	3.95E-06	9.22E-06	8.64E-07	7.65E-07	1.63E-06	6.45E-07	3.91E-07	1.04E-06
725	563288.06	4234845.39	5.58E-06	4.60E-06	1.02E-05	9.47E-07	7.37E-07	1.68E-06	4.51E-06	3.37E-06	7.88E-06	7.38E-07	6.54E-07	1.39E-06	5.51E-07	3.34E-07	8.85E-07
726	563298.06	4234845.62	4.81E-06	3.96E-06	8.77E-06	8.16E-07	6.35E-07	1.45E-06	3.88E-06	2.91E-06	6.79E-06	6.36E-07	5.64E-07	1.20E-06	4.75E-07	2.88E-07	7.63E-07
727	563307.87	4234854.17	4.19E-06	3.45E-06	7.64E-06	7.10E-07	5.53E-07	1.26E-06	3.38E-06	2.53E-06	5.91E-06	5.54E-07	4.91E-07	1.04E-06	4.13E-07	2.51E-07	6.64E-07
728	563317.87	4234854.4	3.68E-06	3.03E-06	6.71E-06	6.24E-07	4.86E-07	1.11E-06	2.97E-06	2.22E-06	5.19E-06	4.87E-07	4.31E-07	9.18E-07	3.63E-07	2.20E-07	5.84E-07
729	563327.86	4234854.63	3.26E-06	2.68E-06	5.94E-06	5.53E-07	4.30E-07	9.83E-07	2.63E-06	1.97E-06	4.60E-06	4.31E-07	3.82E-07	8.13E-07	3.22E-07	1.95E-07	5.17E-07
730	563348.05	4234846.76	2.60E-06	2.15E-06	4.75E-06	4.42E-07	3.44E-07	7.86E-07	2.10E-06	1.57E-06	3.68E-06	3.44E-07	3.05E-07	6.50E-07	2.57E-07	1.56E-07	4.13E-07
731	563367.85	4234855.54	2.13E-06	1.75E-06	3.88E-06	3.61E-07	2.81E-07	6.41E-07	1.72E-06	1.28E-06	3.00E-06	2.81E-07	2.49E-07	5.30E-07	2.10E-07	1.27E-07	3.37E-07
732	563388.04	4234847.67	1.74E-06	1.43E-06	3.17E-06	2.95E-07	2.30E-07	5.25E-07	1.41E-06	1.05E-06	2.46E-06	2.30E-07	2.04E-07	4.34E-07	1.72E-07	1.04E-07	2.76E-07
733	563408.03	4234848.12	1.49E-06	1.23E-06	2.71E-06	2.53E-07	1.97E-07	4.49E-07	1.20E-06	8.99E-07	2.10E-06	1.97E-07	1.74E-07	3.71E-07	1.47E-07	8.91E-08	2.36E-07
734	563727.95	4234855.42	3.52E-07	2.90E-07	6.42E-07	5.98E-08	4.65E-08	1.06E-07	2.84E-07	2.13E-07	4.97E-07	4.66E-08	4.13E-08	8.78E-08	3.48E-08	2.11E-08	5.59E-08
735	563807.93	4234857.25	2.68E-07	2.21E-07	4.89E-07	4.55E-08	3.54E-08	8.09E-08	2.16E-07	1.62E-07	3.78E-07	3.55E-08	3.14E-08	6.69E-08	2.65E-08	1.60E-08	4.25E-08
736	563847.92	4234858.16	2.08E-07	1.71E-07	3.80E-07	3.53E-08	2.75E-08	6.28E-08	1.68E-07	1.26E-07	2.94E-07	2.75E-08	2.44E-08	5.19E-08	2.06E-08	1.25E-08	3.30E-08
737	563887.91	4234859.07	1.83E-07	1.51E-07	3.33E-07	3.10E-08	2.41E-08	5.51E-08	1.48E-07	1.10E-07	2.58E-07	2.42E-08	2.14E-08	4.56E-08	1.80E-08	1.09E-08	2.90E-08
738	563927.9	4234859.98	1.61E-07	1.33E-07	2.94E-07	2.74E-08	2.13E-08	4.87E-08	1.30E-07	9.75E-08	2.28E-07	2.13E-08	1.89E-08	4.02E-08	1.59E-08	9.65E-09	2.56E-08
739	563249.03	4234812.07	1.19E-05	9.83E-06	2.18E-05	2.03E-06	1.58E-06	3.60E-06	9.64E-06	7.21E-06	1.69E-05	1.58E-06	1.40E-06	2.98E-06	1.18E-06	7.14E-07	1.89E-06
740	563258.55	4234828.63	9.53E-06	7.85E-06	1.74E-05	1.62E-06	1.26E-06	2.87E-06	7.69E-06	5.76E-06	1.34E-05	1.26E-06	1.12E-06	2.38E-06	9.41E-07	5.70E-07	1.51E-06

741	563259.03	4234812.36	9.49E-06	7.82E-06	1.73E-05	1.61E-06	1.25E-06	2.86E-06	7.66E-06	5.73E-06	1.34E-05	1.25E-06	1.11E-06	2.37E-06	9.37E-07	5.68E-07	1.50E-06
742	563268.3	4234837.06	7.82E-06	6.45E-06	1.43E-05	1.33E-06	1.03E-06	2.36E-06	6.32E-06	4.73E-06	1.10E-05	1.03E-06	9.17E-07	1.95E-06	7.73E-07	4.68E-07	1.24E-06
743	563268.78	4234820.79	7.80E-06	6.43E-06	1.42E-05	1.32E-06	1.03E-06	2.35E-06	6.30E-06	4.72E-06	1.10E-05	1.03E-06	9.14E-07	1.95E-06	7.71E-07	4.67E-07	1.24E-06
744	563278.3	4234837.36	6.55E-06	5.40E-06	1.19E-05	1.11E-06	8.65E-07	1.98E-06	5.29E-06	3.96E-06	9.25E-06	8.66E-07	7.68E-07	1.63E-06	6.47E-07	3.92E-07	1.04E-06
745	563278.78	4234821.09	6.49E-06	5.35E-06	1.18E-05	1.10E-06	8.58E-07	1.96E-06	5.24E-06	3.93E-06	9.17E-06	8.59E-07	7.61E-07	1.62E-06	6.41E-07	3.89E-07	1.03E-06
746	563288.53	4234829.52	5.52E-06	4.55E-06	1.01E-05	9.37E-07	7.29E-07	1.67E-06	4.46E-06	3.34E-06	7.80E-06	7.30E-07	6.47E-07	1.38E-06	5.45E-07	3.31E-07	8.76E-07
747	563289.01	4234813.25	5.41E-06	4.46E-06	9.87E-06	9.18E-07	7.14E-07	1.63E-06	4.37E-06	3.27E-06	7.64E-06	7.15E-07	6.34E-07	1.35E-06	5.34E-07	3.24E-07	8.58E-07
748	563298.53	4234829.81	4.73E-06	3.90E-06	8.63E-06	8.03E-07	6.25E-07	1.43E-06	3.82E-06	2.86E-06	6.68E-06	6.26E-07	5.55E-07	1.18E-06	4.67E-07	2.83E-07	7.51E-07
749	563299.01	4234813.54	4.61E-06	3.80E-06	8.41E-06	7.83E-07	6.09E-07	1.39E-06	3.73E-06	2.79E-06	6.51E-06	6.10E-07	5.41E-07	1.15E-06	4.56E-07	2.76E-07	7.32E-07
750	563308.29	4234838.24	4.15E-06	3.42E-06	7.57E-06	7.04E-07	5.48E-07	1.25E-06	3.35E-06	2.51E-06	5.86E-06	5.49E-07	4.87E-07	1.04E-06	4.10E-07	2.49E-07	6.59E-07
751	563308.77	4234821.97	4.05E-06	3.34E-06	7.39E-06	6.87E-07	5.35E-07	1.22E-06	3.27E-06	2.45E-06	5.72E-06	5.36E-07	4.75E-07	1.01E-06	4.00E-07	2.42E-07	6.42E-07
752	563318.28	4234838.54	3.65E-06	3.00E-06	6.65E-06	6.19E-07	4.82E-07	1.10E-06	2.94E-06	2.20E-06	5.15E-06	4.82E-07	4.27E-07	9.10E-07	3.60E-07	2.18E-07	5.78E-07
753	563318.76	4234822.27	3.55E-06	2.93E-06	6.48E-06	6.03E-07	4.69E-07	1.07E-06	2.87E-06	2.15E-06	5.02E-06	4.70E-07	4.17E-07	8.87E-07	3.51E-07	2.13E-07	5.64E-07
754	563328.28	4234838.83	3.23E-06	2.66E-06	5.89E-06	5.48E-07	4.26E-07	9.74E-07	2.61E-06	1.95E-06	4.56E-06	4.27E-07	3.78E-07	8.05E-07	3.19E-07	1.93E-07	5.12E-07
755	563328.76	4234822.56	3.15E-06	2.59E-06	5.74E-06	5.34E-07	4.15E-07	9.49E-07	2.54E-06	1.90E-06	4.44E-06	4.16E-07	3.69E-07	7.85E-07	3.11E-07	1.88E-07	4.99E-07
756	563348.51	4234831.29	2.55E-06	2.10E-06	4.65E-06	4.33E-07	3.37E-07	7.70E-07	2.06E-06	1.54E-06	3.60E-06	3.37E-07	2.99E-07	6.36E-07	2.52E-07	1.53E-07	4.05E-07
757	563348.99	4234815.02	2.48E-06	2.04E-06	4.53E-06	4.21E-07	3.28E-07	7.49E-07	2.00E-06	1.50E-06	3.50E-06	3.28E-07	2.91E-07	6.19E-07	2.45E-07	1.49E-07	3.94E-07
758	563368.26	4234840.01	2.11E-06	1.74E-06	3.84E-06	3.57E-07	2.78E-07	6.36E-07	1.70E-06	1.27E-06	2.97E-06	2.79E-07	2.47E-07	5.25E-07	2.08E-07	1.26E-07	3.34E-07
759	563368.74	4234823.74	2.06E-06	1.70E-06	3.76E-06	3.50E-07	2.73E-07	6.23E-07	1.67E-06	1.25E-06	2.91E-06	2.73E-07	2.42E-07	5.15E-07	2.04E-07	1.23E-07	3.27E-07
760	563388.49	4234832.47	1.73E-06	1.42E-06	3.15E-06	2.93E-07	2.28E-07	5.21E-07	1.39E-06	1.04E-06	2.44E-06	2.28E-07	2.02E-07	4.31E-07	1.71E-07	1.03E-07	2.74E-07
761	563388.97	4234816.2	1.71E-06	1.41E-06	3.12E-06	2.90E-07	2.26E-07	5.16E-07	1.38E-06	1.03E-06	2.41E-06	2.26E-07	2.00E-07	4.27E-07	1.69E-07	1.02E-07	2.71E-07
762	563408.72	4234824.92	1.47E-06	1.21E-06	2.68E-06	2.49E-07	1.94E-07	4.44E-07	1.19E-06	8.88E-07	2.08E-06	1.94E-07	1.72E-07	3.67E-07	1.45E-07	8.80E-08	2.33E-07
763	563428.23	4234841.78	1.30E-06	1.07E-06	2.37E-06	2.20E-07	1.71E-07	3.92E-07	1.05E-06	7.85E-07	1.83E-06	1.72E-07	1.52E-07	3.24E-07	1.28E-07	7.77E-08	2.06E-07
764	563428.95	4234817.38	1.27E-06	1.04E-06	2.31E-06	2.15E-07	1.67E-07	3.83E-07	1.02E-06	7.66E-07	1.79E-06	1.68E-07	1.49E-07	3.16E-07	1.25E-07	7.59E-08	2.01E-07
765	563448.46	4234834.24	1.13E-06	9.30E-07	2.06E-06	1.92E-07	1.49E-07	3.41E-07	9.12E-07	6.82E-07	1.59E-06	1.49E-07	1.32E-07	2.82E-07	1.12E-07	6.76E-08	1.79E-07
766	563468.46	4234834.83	1.01E-06	8.30E-07	1.84E-06	1.71E-07	1.33E-07	3.04E-07	8.14E-07	6.09E-07	1.42E-06	1.33E-07	1.18E-07	2.51E-07	9.95E-08	6.03E-08	1.60E-07
767	563488.69	4234827.28	9.13E-07	7.52E-07	1.67E-06	1.55E-07	1.21E-07	2.75E-07	7.37E-07	5.52E-07	1.29E-06	1.21E-07	1.07E-07	2.28E-07	9.02E-08	5.46E-08	1.45E-07
768	563508.68	4234827.87	8.24E-07	6.79E-07	1.50E-06	1.40E-07	1.09E-07	2.49E-07	6.65E-07	4.98E-07	1.16E-06	1.09E-07	9.65E-08	2.05E-07	8.13E-08	4.93E-08	1.31E-07
769	563528.43	4234836.6	7.44E-07	6.13E-07	1.36E-06	1.26E-07	9.83E-08	2.25E-07	6.01E-07	4.50E-07	1.05E-06	9.84E-08	8.72E-08	1.86E-07	7.35E-08	4.46E-08	1.18E-07
770	563528.91	4234820.33	7.51E-07	6.18E-07	1.37E-06	1.27E-07	9.91E-08	2.27E-07	6.06E-07	4.54E-07	1.06E-06	9.93E-08	8.80E-08	1.87E-07	7.41E-08	4.49E-08	1.19E-07
771	563568.17	4234845.91	6.41E-07	5.28E-07	1.17E-06	1.09E-07	8.47E-08	1.94E-07	5.18E-07	3.88E-07	9.05E-07	8.48E-08	7.52E-08	1.60E-07	6.33E-08	3.84E-08	1.02E-07
772	563568.89	4234821.51	6.32E-07	5.20E-07	1.15E-06	1.07E-07	8.34E-08	1.91E-07	5.10E-07	3.82E-07	8.92E-07	8.35E-08	7.40E-08	1.58E-07	6.24E-08	3.78E-08	1.00E-07
773	563687.88	4234857.59	4.08E-07	3.36E-07	7.44E-07	6.92E-08	5.39E-08	1.23E-07	3.29E-07	2.47E-07	5.76E-07	5.39E-08	4.78E-08	1.02E-07	4.03E-08	2.44E-08	6.47E-08
774	563728.58	4234834.36	3.48E-07	2.86E-07	6.34E-07	5.90E-08	4.59E-08	1.05E-07	2.81E-07	2.10E-07	4.91E-07	4.60E-08	4.07E-08	8.67E-08	3.43E-08	2.08E-08	5.51E-08
775	563848.29	4234846.03	2.08E-07	1.72E-07	3.80E-07	3.54E-08	2.75E-08	6.29E-08	1.68E-07	1.26E-07	2.94E-07	2.76E-08	2.44E-08	5.20E-08	2.06E-08	1.25E-08	3.31E-08
776	563888.27	4234847.21	1.83E-07	1.51E-07	3.34E-07	3.11E-08	2.42E-08	5.53E-08	1.48E-07	1.11E-07	2.59E-07	2.42E-08	2.15E-08	4.57E-08	1.81E-08	1.10E-08	2.91E-08
777	563928.26	4234848.39	1.62E-07	1.34E-07	2.96E-07	2.76E-08	2.15E-08	4.90E-08	1.31E-07	9.82E-08	2.29E-07	2.15E-08	1.90E-08	4.05E-08	1.60E-08	9.72E-09	2.58E-08
778	563249.21	4234802.51	1.19E-05	9.83E-06	2.18E-05	2.02E-06	1.58E-06	3.60E-06	9.63E-06	7.21E-06	1.68E-05	1.58E-06	1.40E-06	2.98E-06	1.18E-06	7.14E-07	1.89E-06
779	563249.38	4234793.17	1.19E-05	9.80E-06	2.17E-05	2.02E-06	1.57E-06	3.59E-06	9.60E-06	7.19E-06	1.68E-05	1.57E-06	1.39E-06	2.97E-06	1.17E-06	7.12E-07	1.89E-06
780	563249.55	4234783.83	1.18E-05	9.72E-06	2.15E-05	2.00E-06	1.56E-06	3.56E-06	9.53E-06	7.13E-06	1.67E-05	1.56E-06	1.38E-06	2.94E-06	1.17E-06	7.06E-07	1.87E-06
781	563249.72	4234774.49	1.16E-05	9.58E-06	2.12E-05	1.97E-06	1.54E-06	3.51E-06	9.39E-06	7.03E-06	1.64E-05	1.54E-06	1.36E-06	2.90E-06	1.15E-06	6.96E-07	1.85E-06
782	563249.89	4234765.15	1.14E-05	9.41E-06	2.08E-05	1.94E-06	1.51E-06	3.45E-06	9.23E-06	6.91E-06	1.61E-05	1.51E-06	1.34E-06	2.85E-06	1.13E-06	6.84E-07	1.81E-06
783	563250.06	4234755.81	1.12E-05	9.21E-06	2.04E-05	1.90E-06	1.48E-06	3.37E-06	9.03E-06	6.76E-06	1.58E-05	1.48E-06	1.31E-06	2.79E-06	1.10E-06	6.69E-07	1.77E-06
784	563250.23	4234746.47	1.10E-05	9.03E-06	2.00E-05	1.86E-06	1.45E-06	3.31E-06	8.85E-06	6.62E-06	1.55E-05	1.45E-06	1.28E-06	2.73E-06	1.08E-06	6.56E-07	1.74E-06
785	563250.4	4234737.13	1.07E-05	8.80E-06	1.95E-05	1.81E-06	1.41E-06	3.22E-06	8.63E-06	6.46E-06	1.51E-05	1.41E-06	1.25E-06	2.66E-06	1.06E-06	6.39E-07	1.69E-06
786	563250.57	4234727.79	1.03E-05	8.52E-06	1.89E-05	1.76E-06	1.37E-06	3.12E-06	8.35E-06	6.25E-06	1.46E-05	1.37E-06	1.21E-06	2.58E-06	1.02E-06	6.19E-07	1.64E-06
787	563259.21	4234802.69	9.42E-06	7.76E-06	1.72E-05	1.60E-06	1.24E-06	2.84E-06	7.60E-06	5.69E-06	1.33E-05	1.25E-06	1.10E-06	2.35E-06	9.30E-07	5.64E-07	1.49E-06
788	563259.38	4234793.35	9.32E-06	7.68E-06	1.70E-05	1.58E-06	1.23E-06	2.81E-06	7.52E-06	5.63E-06	1.32E-05	1.23E-06	1.09E-06	2.32E-06	9.20E-07	5.58E-07	1.48E-06
789	563259.55	4234784.01	9.20E-06	7.58E-06	1.68E-05	1.56E-06	1.21E-06	2.78E-06	7.43E-06	5.56E-06	1.30E-05	1.22E-06	1.08E-06	2.29E-06	9.08E-07	5.50E-07	1.46E-06
790	563259.72	4234774.67	9.05E-06	7.46E-06	1.65E-05	1.54E-06	1.20E-06	2.73E-06	7.31E-06	5.47E-06	1.28E-05	1.20E-06	1.06E-06	2.26E-06	8.94E-07	5.42E-07	1.44E-06
791	563259.89	4234765.33	8.87E-06	7.31E-06	1.62E-05	1.51E-06	1.17E-06	2.68E-06	7.16E-06	5.36E-06	1.25E-05	1.17E-06	1.04E-06	2.21E-06	8.76E-07	5.31E-07	1.41E-06
792	563260.06	4234755.99	8.67E-06	7.14E-06	1.58E-05	1.47E-06	1.14E-06	2.62E-06	7.00E-06	5.24E-06	1.22E-05	1.15E-06	1.02E-06	2.16E-06	8.56E-07	5.19E-07	1.37E-06
793	563260.23	4234746.65	8.46E-06	6.97E-06	1.54E-05	1.43E-06	1.12E-06	2.55E-06	6.83E-06	5.11E-06	1.19E-05	1.12E-06	9.91E-07	2.11E-06	8.35E-07	5.06E-07	1.34E-06
794	563260.4	4234737.31	8.21E-06	6.76E-06	1.50E-05	1.39E-06	1.08E-06	2.48E-06	6.63E-06	4.96E-06	1.16E-05	1.09E-06	9.62E-07	2.05E-06	8.10E-07	4.91E-07	1.30E-06
795	563260.57	4234727.98	7.92E-06	6.52E-06	1.44E-05	1.34E-06	1.05E-06	2.39E-06	6.39E-06	4.78E-06	1.12E-05	1.05E-06	9.28E-07	1.97E-06	7.82E-07	4.74E-07	1.26E-06
796	563269.03	4234812.21	7.74E-06	6.38E-06	1.41E-05	1.31E-06	1.02E-06	2.34E-06	6.25E-06	4.68E-06	1.09E-05	1.02E-06	9.07E-07	1.93E-06	7.65E-07	4.63E-07	1.23E-06
797	563269.2	4234802.87	7.64E-06	6.29E-06	1.39E-05	1.30E-06	1.01E-06	2.30E-06	6.17E-06	4.62E-06	1.08E-05	1.01E-06	8.95E-07	1.90E-06	7.54E-07	4.57E-07	1.21E-06
798	563269.37	4234793.53	7.51E-06	6.19E-06	1.37E-05	1.27E-06	9.92E-07	2.27E-06	6.07E-06	4.54E-06	1.06E-05	9.94E-07	8.81E-07	1.87E-06	7.42E-07	4.50E-07	1.19E-06
799	563269.54	4234784.19	7.38E-06	6.08E-06	1.35E-05	1.25E-06	9.75E-07	2.23E-06	5.96E-06	4.46E-06	1.04E-05	9.76E-07	8.65E-07	1.84E-06	7.29E-07	4.42E-07	1.17E-06
800	563269.71	4234774.85	7.25E-06	5.98E-06	1.32E-05	1.23E-06	9.58E-07	2.19E-06	5.86E-06	4.38E-06	1.02E-05	9.59E-07	8.50E-07	1.81E-06	7.16E-07	4.34E-07	1.15E-06
801	563269.88	4234765.51	7.10E-06	5.85E-06	1.30E-05	1.21E-06	9.38E-07	2.14E-06	5.74E-06	4.29E-06	1.00E-05	9.39E-07	8.32E-07	1.77E-06	7.02E-07	4.25E-07	1.13E-06
802	563270.05	4234756.17	6.93E-06	5.71E-06	1.26E-05	1.18E-06	9.15E-07	2.09E-06	5.60E-06	4.19E-06	9.78E-06	9.16E-07	8.12E-07	1.73E-06	6.84E-07	4.15E-07	1.10E-06
803	563270.22	4234746.84	6.74E-06	5.55E-06	1.23E-05	1.14E-06	8.90E-07	2.03E-06	5.44E-06	4.07E-06	9.51E-06	8.91E-07	7.90E-07	1.68E-06	6.66E-07	4.03E-07	1.07E-06
804	563270.39	4234737.5	6.52E-06	5.37E-06	1.19E-05	1.11E-06	8.61E-07	1.97E-06	5.27E-06	3.94E-06	9.21E-06	8.63E-07	7.64E-07	1.63E-06	6.44E-07	3.90E-07	1.03E-06
805	563270.56	4234728.16	6.28E-06	5.17E-06	1.15E-05	1.07E-06	8.30E-07	1.90E-06	5.07E-06	3.80E-06	8.87E-06	8.31E-07	7.36E-07	1.57E-06	6.20E-07	3.76E-07	9.96E-07
806	563279.2	4234803.05	6.32E-06	5.21E-06	1.15E-05	1.07E-06	8.35E-07	1.91E-06	5.11E-06	3.82E-06	8.93E-06	8.36E-07	7.41E-07	1.58E-06	6.25E-07	3.79E-07	1.00E-06
807	563279.37	4234793.71	6.21E-06	5.11E-06	1.13E-05	1.05E-06	8.20E-07	1.87E-06	5.01E-06	3.75E-06	8.76E-06	8.21E-07	7.27E-07	1.55E-06	6.13E-07	3.72E-07	9.85E-07
808	563279.54	4234784.37	6.08E-06	5.01E-06	1.11E-05	1.03E-06	8.04E-07	1.84E-06	4.91E-06	3.68E-06	8.59E-06	8.05E-07	7.13E-07	1.52E-06	6.01E-07	3.64E-07	9.65E-07
809	563279.71	4234775.03	5.97E-06	4.92E-06	1.09E-05	1.01E-06	7.88E-07	1.80E-06	4.82E-06	3.61E-06	8.43E-06	7.89E-07	6.99E-07	1.49E-06	5.90E-07	3.57E-07	9.47E-07
810	563279.88	4234765.7	5.84E-06	4.81E-06	1.06E-05	9.90E-07	7.71E-07	1.76E-06	4.71E-06	3.53E-06	8.24E-06	7.72E-07	6.84E-07	1.46E-06	5.76E-07	3.49E-07	9.26E-07
811	563280.05	4234756.36	5.69E-06	4.68E-06	1.04E-05	9.65E-07	7.51E-07	1.72E-06	4.59E-06	3.44E-06	8.03E-06	7.52E-07	6.66E-07	1.42E-06	5.61E-07	3.40E-07	9.02E-07
812	563280.22	4234747.02	5.52E-06	4.55E-06	1.01E-05	9.36E-07	7.29E-07	1.66E-06	4.45E-06	3.33E-06	7.79E-06	7.30E-07	6.47E-07	1.38E-06	5.45E-07	3.30E-07	8.75E-07
813	563280.39	4234737.68	5.33E-06	4.39E-06	9.73E-06	9.05E-07	7.04E-07	1.61E-06	4.31E-06	3.22E-06	7.53E-06	7.05E-07	6.25E-07	1.33E-06	5.27E-07	3.19E-07	8.46E-07
814	563280.56	4234728.34	5.13E-06	4.23E-06	9.37E-06	8.71E-07	6.78E-07	1.55E-06	4.15E-06	3.10E-06	7.25E-06	6.79E-07	6.02E-07	1.28E-06	5.07E-07	3.07E-07	8.14E-07
815	563289.2	4234803.23	5.32E-06	4.39E-06	9.71E-06	9.03E-07	7.03E-07	1.61E-06	4.30E-06	3.22E-06	7.52E-06	7.04E-07	6.24E-07	1.33E-06	5.26E-07	3.19E-07	8.44E-07
816	563289.37	4234793.89	5.23E-06	4.31E-06	9.54E-06	8.87E-07	6.91E-07	1.58E-06	4.22E-06	3.16E-06	7.38E-06	6.92E-07	6.13E-07	1.30E-06	5.17E-07	3.13E-07	8.30E-07
817	563289.54	4234784.56	5.13E-06	4.22E-06	9.35E-06	8.70E-07	6.77E-07	1.55E-06	4.14E-06	3.10E-06	7.24E-06	6.78E-07	6.01E-07	1.28E-06	5.06E-07	3.07E-07	8.13E-07
818	563289.71	4234775.22	5.02E-06	4.13E-06	9.15E-06	8.52E-07	6.63E-07	1.51E-06	4.05E-06	3.03E-06	7.09E-06	6.64E-07	5.88E-07	1.25E-06	4.96E-07	3.00E-07	7.96E-07
819	563289.88	4234765.88	4.90E-06	4.04E-06	8.93E-06	8.31E-07	6.47E-07	1.48E-06	3.96E-06	2.96E-06	6.92E-06	6.48E-07	5.74E-07	1.22E-06	4.84E-07	2.93E-07	7.77E-07
820	563290.05	4234756.54	4.77E-06	3.93E-06	8.69E-06	8.09E-07	6.29E-07	1.44E-06	3.85E-06	2.88E-06	6.73E-06	6.30E-07	5.59E-07	1.19E-06	4.71E-07	2.85E-07	7.56E-07
821	563290.22	4234747.2	4.62E-06	3.81E-06	8.43E-06	7.84E-07	6.10E-07	1.39E-06	3.73E-06	2.79E-06	6.52E-06	6.11E-07	5.42E-07	1.15E-06	4.56E-07	2.77E-07	7.33E-07
822	563290.39	4234737.86	4.47E-06	3.68E-06	8.15E-06	7.58E-07	5.90E-07	1.35E-06	3.61E-06	2.70E-06	6.31E-06	5.91E-07	5.23E-07	1.11E-06	4.41E-07	2.67E-07	7.09E-07
823	563290.56	4234728.52	4.30E-06	3.55E-06	7.85E-06	7.30E-07	5.69E-07	1.30E-06	3.48E-06	2.60E-06	6.08E-06	5.69E-07	5.04E-07	1.07E-06	4.25E-07	2.58E-07	6.83E-07
824	563299.2	4234803.42	4.55E-06	3.75E-06	8.29E-06	7.72E-07	6.01E-07	1.37E-06	3.67E-06	2.75E-06	6.42E-06	6.01E-07	5.33E-07	1.13E-06	4.49E-07	2.72E-07	7.21E-07
825	563299.37	4234794.08	4.47E-06	3.68E-06	8.16E-06	7.59E-07	5.91E-07	1.35E-06	3.61E-06	2.70E-06	6.31E-06	5.91E-07	5.24E-07	1.12E-06	4.42E-07	2.68E-07	7.09E-07
826	563299.54	4234784.74	4.39E-06	3.61E-06	8.00E-06	7.44E-07	5.79E-07	1.32E-06	3.54E-06	2.65E-06	6.19E-06	5.80E-07	5.14E-07	1.09E-06	4.33E-07	2.62E-07	6.96E-07
827	563299.71	4234775.4	4.29E-06	3.53E-06	7.83E-06	7.28E-07	5.67E-07	1.29E-06	3.46E-06	2.59E-06	6.06E-06	5.67E-07	5.03E-07	1.07E-06	4.24E-07	2.57E-07	6.81E-07
828	563299.88	4234766.06	4.19E-06	3.45E-06	7.63E-06	7.10E-07	5.53E-07	1.26E-06	3.38E-06	2.53E-06	5.91E-06	5.53E-07	4.90E-07	1.04E-06	4.13E-07	2.50E-07	6.64E-07
829	563300.05	4234756.72	4.07E-06	3.35E-06	7.42E-06	6.91E-07	5.38E-07	1.23E-06	3.29E-06	2.46E-06	5.75E-06	5.38E-07	4.77E-07	1.02E-06	4.02E-07	2.44E-07	6.46E-07
830	563300.22	4234747.38	3.95E-06	3.25E-06	7.20E-06	6.70E-07	5.21E-07	1.19E-06	3.19E-06	2.39E-06	5.57E-06	5.22E-07	4.63E-07	9.85E-07	3.90E-07	2.36E-07	6.26E-07
831	563300.39	4234738.04	3.82E-06	3.15E-06	6.96E-06	6.48E-07	5.04E-07	1.15E-06	3.08E-06	2.31E-06	5.39E-06	5.05E-07	4.47E-07	9.52E-07	3.77E-07	2.29E-07	6.06E-07
832	563300.56	4234728.7	3.68E-06	3.04E-06	6.72E-06	6.25E-07	4.87E-07	1.11E-06	2.98E-06	2.23E-06	5.20E-06	4.87E-07	4.32E-07	9.19E-07	3.64E-07	2.21E-07	5.84E-07
833	563309.03	4234812.94	3.99E-06	3.29E-06	7.28E-06	6.77E-07	5.27E-07	1.20E-06	3.22E-06	2.41E-06	5.63E-06	5.28E-07	4.67E-07	9.95E-07	3.94E-07	2.39E-07	6.33E-07

834	563309.2	4234803.6	3.93E-06	3.24E-06	7.17E-06	6.67E-07	5.19E-07	1.19E-06	3.18E-06	2.38E-06	5.55E-06	5.20E-07	4.61E-07	9.81E-07	3.88E-07	2.35E-07	6.24E-07
835	563309.37	4234794.26	3.86E-06	3.18E-06	7.05E-06	6.56E-07	5.10E-07	1.17E-06	3.12E-06	2.34E-06	5.46E-06	5.11E-07	4.53E-07	9.64E-07	3.82E-07	2.31E-07	6.13E-07
836	563309.54	4234784.92	3.79E-06	3.12E-06	6.91E-06	6.42E-07	5.00E-07	1.14E-06	3.06E-06	2.29E-06	5.35E-06	5.01E-07	4.44E-07	9.44E-07	3.74E-07	2.27E-07	6.01E-07
837	563309.71	4234775.58	3.70E-06	3.05E-06	6.75E-06	6.28E-07	4.89E-07	1.12E-06	2.99E-06	2.24E-06	5.23E-06	4.90E-07	4.34E-07	9.24E-07	3.66E-07	2.22E-07	5.87E-07
838	563309.88	4234766.24	3.61E-06	2.98E-06	6.59E-06	6.13E-07	4.77E-07	1.09E-06	2.92E-06	2.18E-06	5.10E-06	4.78E-07	4.23E-07	9.01E-07	3.57E-07	2.16E-07	5.73E-07
839	563310.05	4234756.9	3.51E-06	2.89E-06	6.41E-06	5.96E-07	4.64E-07	1.06E-06	2.84E-06	2.12E-06	4.96E-06	4.65E-07	4.12E-07	8.76E-07	3.47E-07	2.10E-07	5.57E-07
840	563310.22	4234747.56	3.41E-06	2.81E-06	6.22E-06	5.78E-07	4.50E-07	1.03E-06	2.75E-06	2.06E-06	4.81E-06	4.51E-07	3.99E-07	8.50E-07	3.37E-07	2.04E-07	5.41E-07
841	563310.39	4234738.22	3.30E-06	2.72E-06	6.02E-06	5.60E-07	4.36E-07	9.96E-07	2.66E-06	1.99E-06	4.66E-06	4.36E-07	3.87E-07	8.23E-07	3.26E-07	1.98E-07	5.23E-07
842	563310.56	4234728.89	3.19E-06	2.63E-06	5.82E-06	5.41E-07	4.21E-07	9.62E-07	2.57E-06	1.93E-06	4.50E-06	4.22E-07	3.74E-07	7.95E-07	3.15E-07	1.91E-07	5.06E-07
843	563319.03	4234813.12	3.50E-06	2.88E-06	6.38E-06	5.93E-07	4.62E-07	1.05E-06	2.82E-06	2.11E-06	4.94E-06	4.62E-07	4.10E-07	8.72E-07	3.45E-07	2.09E-07	5.55E-07
844	563319.2	4234803.78	3.44E-06	2.83E-06	6.27E-06	5.84E-07	4.54E-07	1.04E-06	2.78E-06	2.08E-06	4.86E-06	4.55E-07	4.03E-07	8.58E-07	3.40E-07	2.06E-07	5.46E-07
845	563319.37	4234794.44	3.37E-06	2.78E-06	6.15E-06	5.72E-07	4.45E-07	1.02E-06	2.72E-06	2.04E-06	4.76E-06	4.46E-07	3.95E-07	8.41E-07	3.33E-07	2.02E-07	5.35E-07
846	563319.54	4234785.1	3.30E-06	2.72E-06	6.02E-06	5.60E-07	4.36E-07	9.96E-07	2.66E-06	1.99E-06	4.66E-06	4.36E-07	3.87E-07	8.23E-07	3.26E-07	1.97E-07	5.23E-07
847	563319.71	4234775.76	3.23E-06	2.66E-06	5.89E-06	5.48E-07	4.26E-07	9.74E-07	2.61E-06	1.95E-06	4.56E-06	4.27E-07	3.78E-07	8.05E-07	3.19E-07	1.93E-07	5.12E-07
848	563319.88	4234766.42	3.15E-06	2.59E-06	5.74E-06	5.34E-07	4.16E-07	9.50E-07	2.54E-06	1.90E-06	4.45E-06	4.16E-07	3.69E-07	7.85E-07	3.11E-07	1.88E-07	4.99E-07
849	563320.05	4234757.08	3.06E-06	2.52E-06	5.59E-06	5.20E-07	4.05E-07	9.25E-07	2.47E-06	1.85E-06	4.33E-06	4.05E-07	3.59E-07	7.64E-07	3.03E-07	1.83E-07	4.86E-07
850	563320.22	4234747.75	2.98E-06	2.45E-06	5.43E-06	5.05E-07	3.93E-07	8.98E-07	2.40E-06	1.80E-06	4.20E-06	3.94E-07	3.49E-07	7.42E-07	2.94E-07	1.78E-07	4.72E-07
851	563320.39	4234738.41	2.89E-06	2.38E-06	5.26E-06	4.90E-07	3.81E-07	8.71E-07	2.33E-06	1.74E-06	4.07E-06	3.82E-07	3.38E-07	7.20E-07	2.85E-07	1.73E-07	4.58E-07
852	563320.56	4234729.07	2.79E-06	2.30E-06	5.10E-06	4.74E-07	3.69E-07	8.43E-07	2.26E-06	1.69E-06	3.94E-06	3.70E-07	3.27E-07	6.97E-07	2.76E-07	1.67E-07	4.43E-07
853	563329.02	4234813.3	3.09E-06	2.55E-06	5.64E-06	5.25E-07	4.08E-07	9.33E-07	2.50E-06	1.87E-06	4.36E-06	4.09E-07	3.62E-07	7.71E-07	3.05E-07	1.85E-07	4.90E-07
854	563329.19	4234803.96	3.03E-06	2.50E-06	5.54E-06	5.15E-07	4.01E-07	9.16E-07	2.45E-06	1.83E-06	4.28E-06	4.01E-07	3.56E-07	7.57E-07	3.00E-07	1.82E-07	4.81E-07
855	563329.36	4234794.62	2.97E-06	2.45E-06	5.42E-06	5.04E-07	3.93E-07	8.97E-07	2.40E-06	1.80E-06	4.20E-06	3.93E-07	3.48E-07	7.41E-07	2.94E-07	1.78E-07	4.71E-07
856	563329.53	4234785.28	2.91E-06	2.39E-06	5.30E-06	4.93E-07	3.84E-07	8.77E-07	2.35E-06	1.76E-06	4.10E-06	3.84E-07	3.40E-07	7.25E-07	2.87E-07	1.74E-07	4.61E-07
857	563329.7	4234775.94	2.84E-06	2.34E-06	5.19E-06	4.83E-07	3.76E-07	8.58E-07	2.30E-06	1.72E-06	4.02E-06	3.76E-07	3.33E-07	7.09E-07	2.81E-07	1.70E-07	4.51E-07
858	563329.87	4234766.61	2.78E-06	2.29E-06	5.07E-06	4.71E-07	3.67E-07	8.38E-07	2.24E-06	1.68E-06	3.92E-06	3.67E-07	3.26E-07	6.93E-07	2.74E-07	1.66E-07	4.41E-07
859	563330.04	4234757.27	2.71E-06	2.23E-06	4.94E-06	4.59E-07	3.57E-07	8.17E-07	2.19E-06	1.64E-06	3.82E-06	3.58E-07	3.17E-07	6.75E-07	2.67E-07	1.62E-07	4.29E-07
860	563330.21	4234747.93	2.63E-06	2.17E-06	4.80E-06	4.47E-07	3.48E-07	7.94E-07	2.13E-06	1.59E-06	3.72E-06	3.48E-07	3.09E-07	6.57E-07	2.60E-07	1.58E-07	4.18E-07
861	563330.38	4234738.59	2.56E-06	2.11E-06	4.66E-06	4.34E-07	3.38E-07	7.71E-07	2.06E-06	1.54E-06	3.61E-06	3.38E-07	3.00E-07	6.38E-07	2.52E-07	1.53E-07	4.05E-07
862	563330.55	4234729.25	2.48E-06	2.04E-06	4.52E-06	4.21E-07	3.27E-07	7.48E-07	2.00E-06	1.50E-06	3.50E-06	3.28E-07	2.91E-07	6.18E-07	2.45E-07	1.48E-07	3.93E-07
863	563349.19	4234804.33	2.44E-06	2.01E-06	4.45E-06	4.14E-07	3.22E-07	7.37E-07	1.97E-06	1.48E-06	3.45E-06	3.23E-07	2.86E-07	6.09E-07	2.41E-07	1.46E-07	3.87E-07
864	563349.36	4234794.99	2.40E-06	1.98E-06	4.38E-06	4.07E-07	3.17E-07	7.24E-07	1.94E-06	1.45E-06	3.39E-06	3.17E-07	2.81E-07	5.99E-07	2.37E-07	1.44E-07	3.81E-07
865	563349.53	4234785.65	2.36E-06	1.94E-06	4.30E-06	4.00E-07	3.11E-07	7.11E-07	1.90E-06	1.42E-06	3.33E-06	3.12E-07	2.76E-07	5.88E-07	2.33E-07	1.41E-07	3.74E-07
866	563349.7	4234776.31	2.31E-06	1.90E-06	4.20E-06	3.91E-07	3.04E-07	6.96E-07	1.86E-06	1.39E-06	3.25E-06	3.05E-07	2.70E-07	5.75E-07	2.28E-07	1.38E-07	3.66E-07
867	563349.87	4234766.97	2.25E-06	1.85E-06	4.11E-06	3.82E-07	2.97E-07	6.79E-07	1.82E-06	1.36E-06	3.18E-06	2.98E-07	2.64E-07	5.61E-07	2.22E-07	1.35E-07	3.57E-07
868	563350.04	4234757.63	2.19E-06	1.81E-06	4.00E-06	3.72E-07	2.90E-07	6.62E-07	1.77E-06	1.33E-06	3.10E-06	2.90E-07	2.57E-07	5.47E-07	2.17E-07	1.31E-07	3.48E-07
869	563350.21	4234748.29	2.14E-06	1.76E-06	3.90E-06	3.63E-07	2.83E-07	6.46E-07	1.73E-06	1.29E-06	3.02E-06	2.83E-07	2.51E-07	5.34E-07	2.11E-07	1.28E-07	3.40E-07
870	563350.38	4234738.95	2.09E-06	1.72E-06	3.81E-06	3.54E-07	2.76E-07	6.30E-07	1.69E-06	1.26E-06	2.95E-06	2.76E-07	2.45E-07	5.21E-07	2.06E-07	1.25E-07	3.31E-07
871	563350.55	4234729.61	2.03E-06	1.67E-06	3.71E-06	3.45E-07	2.68E-07	6.13E-07	1.64E-06	1.23E-06	2.87E-06	2.69E-07	2.38E-07	5.07E-07	2.01E-07	1.22E-07	3.22E-07
872	563369.02	4234814.03	2.04E-06	1.68E-06	3.71E-06	3.46E-07	2.69E-07	6.15E-07	1.64E-06	1.23E-06	2.88E-06	2.69E-07	2.39E-07	5.08E-07	2.01E-07	1.22E-07	3.23E-07
873	563369.19	4234804.69	2.02E-06	1.66E-06	3.68E-06	3.43E-07	2.67E-07	6.09E-07	1.63E-06	1.22E-06	2.85E-06	2.67E-07	2.37E-07	5.04E-07	1.99E-07	1.21E-07	3.20E-07
874	563369.36	4234795.35	2.00E-06	1.65E-06	3.65E-06	3.39E-07	2.64E-07	6.03E-07	1.61E-06	1.21E-06	2.82E-06	2.64E-07	2.34E-07	4.99E-07	1.97E-07	1.20E-07	3.17E-07
875	563369.53	4234786.01	1.97E-06	1.63E-06	3.60E-06	3.35E-07	2.61E-07	5.96E-07	1.59E-06	1.19E-06	2.79E-06	2.61E-07	2.31E-07	4.92E-07	1.95E-07	1.18E-07	3.13E-07
876	563369.7	4234776.67	1.93E-06	1.59E-06	3.52E-06	3.27E-07	2.55E-07	5.82E-07	1.56E-06	1.17E-06	2.72E-06	2.55E-07	2.26E-07	4.81E-07	1.91E-07	1.16E-07	3.06E-07
877	563369.87	4234767.33	1.88E-06	1.55E-06	3.44E-06	3.20E-07	2.49E-07	5.68E-07	1.52E-06	1.14E-06	2.66E-06	2.49E-07	2.21E-07	4.70E-07	1.86E-07	1.13E-07	2.99E-07
878	563370.04	4234757.99	1.84E-06	1.51E-06	3.35E-06	3.12E-07	2.43E-07	5.54E-07	1.48E-06	1.11E-06	2.59E-06	2.43E-07	2.15E-07	4.58E-07	1.81E-07	1.10E-07	2.91E-07
879	563370.21	4234748.66	1.80E-06	1.48E-06	3.28E-06	3.05E-07	2.37E-07	5.42E-07	1.45E-06	1.09E-06	2.54E-06	2.38E-07	2.11E-07	4.48E-07	1.77E-07	1.08E-07	2.85E-07
880	563370.38	4234739.32	1.76E-06	1.45E-06	3.21E-06	2.98E-07	2.32E-07	5.31E-07	1.42E-06	1.06E-06	2.48E-06	2.33E-07	2.06E-07	4.39E-07	1.74E-07	1.05E-07	2.79E-07
881	563370.55	4234729.98	1.72E-06	1.42E-06	3.13E-06	2.92E-07	2.27E-07	5.19E-07	1.39E-06	1.04E-06	2.43E-06	2.27E-07	2.01E-07	4.29E-07	1.70E-07	1.03E-07	2.73E-07
882	563389.18	4234805.05	1.70E-06	1.40E-06	3.10E-06	2.88E-07	2.24E-07	5.13E-07	1.37E-06	1.03E-06	2.40E-06	2.25E-07	1.99E-07	4.24E-07	1.68E-07	1.02E-07	2.70E-07
883	563389.35	4234795.71	1.69E-06	1.39E-06	3.08E-06	2.86E-07	2.23E-07	5.09E-07	1.36E-06	1.02E-06	2.38E-06	2.23E-07	1.98E-07	4.21E-07	1.67E-07	1.01E-07	2.68E-07
884	563389.52	4234786.38	1.67E-06	1.38E-06	3.05E-06	2.84E-07	2.21E-07	5.05E-07	1.35E-06	1.01E-06	2.36E-06	2.21E-07	1.96E-07	4.17E-07	1.65E-07	1.00E-07	2.65E-07
885	563389.69	4234777.04	1.64E-06	1.35E-06	2.99E-06	2.78E-07	2.17E-07	4.95E-07	1.32E-06	9.91E-07	2.31E-06	2.17E-07	1.92E-07	4.09E-07	1.62E-07	9.81E-08	2.60E-07
886	563389.86	4234767.7	1.61E-06	1.32E-06	2.93E-06	2.72E-07	2.12E-07	4.84E-07	1.30E-06	9.70E-07	2.27E-06	2.12E-07	1.88E-07	4.00E-07	1.59E-07	9.61E-08	2.55E-07
887	563390.03	4234758.36	1.57E-06	1.29E-06	2.86E-06	2.66E-07	2.07E-07	4.74E-07	1.27E-06	9.49E-07	2.22E-06	2.08E-07	1.84E-07	3.91E-07	1.55E-07	9.39E-08	2.49E-07
888	563390.2	4234749.02	1.54E-06	1.27E-06	2.81E-06	2.61E-07	2.04E-07	4.65E-07	1.24E-06	9.31E-07	2.18E-06	2.04E-07	1.81E-07	3.84E-07	1.52E-07	9.22E-08	2.44E-07
889	563390.37	4234739.68	1.51E-06	1.25E-06	2.76E-06	2.57E-07	2.00E-07	4.57E-07	1.22E-06	9.14E-07	2.14E-06	2.00E-07	1.77E-07	3.77E-07	1.49E-07	9.06E-08	2.40E-07
890	563390.54	4234730.34	1.48E-06	1.22E-06	2.71E-06	2.52E-07	1.96E-07	4.48E-07	1.20E-06	8.97E-07	2.09E-06	1.96E-07	1.74E-07	3.70E-07	1.47E-07	8.88E-08	2.35E-07
891	563409.01	4234814.76	1.46E-06	1.20E-06	2.66E-06	2.48E-07	1.93E-07	4.40E-07	1.18E-06	8.82E-07	2.06E-06	1.93E-07	1.71E-07	3.64E-07	1.44E-07	8.73E-08	2.31E-07
892	563409.18	4234805.42	1.45E-06	1.19E-06	2.64E-06	2.46E-07	1.91E-07	4.37E-07	1.17E-06	8.75E-07	2.04E-06	1.91E-07	1.70E-07	3.61E-07	1.43E-07	8.67E-08	2.30E-07
893	563409.35	4234796.08	1.43E-06	1.18E-06	2.62E-06	2.43E-07	1.89E-07	4.33E-07	1.16E-06	8.67E-07	2.03E-06	1.90E-07	1.68E-07	3.58E-07	1.42E-07	8.59E-08	2.28E-07
894	563409.52	4234786.74	1.42E-06	1.17E-06	2.59E-06	2.41E-07	1.87E-07	4.28E-07	1.15E-06	8.58E-07	2.00E-06	1.88E-07	1.66E-07	3.54E-07	1.40E-07	8.50E-08	2.25E-07
895	563409.69	4234777.4	1.40E-06	1.16E-06	2.56E-06	2.38E-07	1.85E-07	4.23E-07	1.13E-06	8.48E-07	1.98E-06	1.85E-07	1.64E-07	3.50E-07	1.39E-07	8.39E-08	2.22E-07
896	563409.86	4234768.06	1.38E-06	1.14E-06	2.52E-06	2.35E-07	1.83E-07	4.17E-07	1.12E-06	8.36E-07	1.95E-06	1.83E-07	1.62E-07	3.45E-07	1.37E-07	8.28E-08	2.19E-07
897	563410.03	4234758.72	1.36E-06	1.12E-06	2.48E-06	2.31E-07	1.80E-07	4.11E-07	1.10E-06	8.23E-07	1.92E-06	1.80E-07	1.60E-07	3.40E-07	1.35E-07	8.15E-08	2.16E-07
898	563410.2	4234749.38	1.34E-06	1.11E-06	2.45E-06	2.28E-07	1.77E-07	4.05E-07	1.08E-06	8.11E-07	1.89E-06	1.77E-07	1.57E-07	3.35E-07	1.33E-07	8.03E-08	2.13E-07
899	563410.37	4234740.04	1.32E-06	1.09E-06	2.41E-06	2.24E-07	1.75E-07	3.99E-07	1.07E-06	7.99E-07	1.87E-06	1.75E-07	1.55E-07	3.30E-07	1.31E-07	7.91E-08	2.10E-07
900	563410.54	4234730.71	1.30E-06	1.07E-06	2.37E-06	2.21E-07	1.72E-07	3.93E-07	1.05E-06	7.86E-07	1.84E-06	1.72E-07	1.52E-07	3.25E-07	1.28E-07	7.79E-08	2.06E-07
901	563429.18	4234805.78	1.25E-06	1.03E-06	2.28E-06	2.13E-07	1.65E-07	3.78E-07	1.01E-06	7.57E-07	1.77E-06	1.66E-07	1.47E-07	3.12E-07	1.24E-07	7.50E-08	1.99E-07
902	563429.35	4234796.44	1.24E-06	1.02E-06	2.26E-06	2.10E-07	1.64E-07	3.74E-07	1.00E-06	7.49E-07	1.75E-06	1.64E-07	1.45E-07	3.09E-07	1.22E-07	7.42E-08	1.97E-07
903	563429.52	4234787.1	1.23E-06	1.01E-06	2.24E-06	2.08E-07	1.62E-07	3.70E-07	9.90E-07	7.41E-07	1.73E-06	1.62E-07	1.44E-07	3.06E-07	1.21E-07	7.34E-08	1.94E-07
904	563429.69	4234777.76	1.22E-06	1.00E-06	2.22E-06	2.07E-07	1.61E-07	3.67E-07	9.83E-07	7.36E-07	1.72E-06	1.61E-07	1.43E-07	3.04E-07	1.20E-07	7.29E-08	1.93E-07
905	563429.86	4234768.43	1.21E-06	9.95E-07	2.20E-06	2.05E-07	1.60E-07	3.64E-07	9.75E-07	7.30E-07	1.71E-06	1.60E-07	1.42E-07	3.01E-07	1.19E-07	7.23E-08	1.92E-07
906	563430.03	4234759.09	1.20E-06	9.86E-07	2.18E-06	2.03E-07	1.58E-07	3.61E-07	9.66E-07	7.23E-07	1.69E-06	1.58E-07	1.40E-07	2.98E-07	1.18E-07	7.16E-08	1.90E-07
907	563430.2	4234749.75	1.18E-06	9.75E-07	2.16E-06	2.01E-07	1.56E-07	3.57E-07	9.55E-07	7.15E-07	1.67E-06	1.56E-07	1.39E-07	2.95E-07	1.17E-07	7.08E-08	1.88E-07
908	563430.37	4234740.41	1.17E-06	9.63E-07	2.13E-06	1.98E-07	1.54E-07	3.53E-07	9.44E-07	7.06E-07	1.65E-06	1.55E-07	1.37E-07	2.92E-07	1.15E-07	7.00E-08	1.85E-07
909	563430.54	4234731.07	1.15E-06	9.51E-07	2.10E-06	1.96E-07	1.52E-07	3.48E-07	9.32E-07	6.97E-07	1.63E-06	1.53E-07	1.35E-07	2.88E-07	1.14E-07	6.91E-08	1.83E-07
910	563449.17	4234806.15	1.10E-06	9.08E-07	2.01E-06	1.87E-07	1.46E-07	3.33E-07	8.90E-07	6.66E-07	1.56E-06	1.46E-07	1.29E-07	2.75E-07	1.09E-07	6.60E-08	1.75E-07
911	563449.34	4234796.81	1.09E-06	9.00E-07	1.99E-06	1.85E-07	1.44E-07	3.30E-07	8.82E-07	6.60E-07	1.54E-06	1.45E-07	1.28E-07	2.73E-07	1.08E-07	6.54E-08	1.73E-07
912	563449.51	4234787.47	1.08E-06	8.91E-07	1.97E-06	1.84E-07	1.43E-07	3.26E-07	8.74E-07	6.54E-07	1.53E-06	1.43E-07	1.27E-07	2.70E-07	1.07E-07	6.48E-08	1.72E-07
913	563449.68	4234778.13	1.08E-06	8.87E-07	1.96E-06	1.83E-07	1.42E-07	3.25E-07	8.69E-07	6.50E-07	1.52E-06	1.42E-07	1.26E-07	2.68E-07	1.06E-07	6.44E-08	1.71E-07
914	563449.85	4234768.79	1.07E-06	8.82E-07	1.95E-06	1.82E-07	1.41E-07	3.23E-07	8.64E-07	6.47E-07	1.51E-06	1.42E-07	1.25E-07	2.67E-07	1.06E-07	6.40E-08	1.70E-07
915	563450.02	4234759.45	1.06E-06	8.75E-07	1.94E-06	1.80E-07	1.40E-07	3.21E-07	8.58E-07	6.42E-07	1.50E-06	1.40E-07	1.24E-07	2.65E-07	1.05E-07	6.36E-08	1.68E-07
916	563450.19	4234750.11	1.05E-06	8.68E-07	1.92E-06	1.79E-07	1.39E-07	3.18E-07	8.50E-07	6.37E-07	1.49E-06	1.39E-07	1.23E-07	2.63E-07	1.04E-07	6.30E-08	1.67E-07
917	563450.36	4234740.77	1.04E-06	8.60E-07	1.90E-06	1.77E-07	1.38E-07	3.15E-07	8.42E-07	6.31E-07	1.47E-06	1.38E-07	1.22E-07	2.60E-07	1.03E-07	6.25E-08	1.66E-07
918	563450.53	4234731.43	1.03E-06	8.51E-07	1.88E-06	1.75E-07	1.36E-07	3.12E-07	8.34E-07	6.24E-07	1.46E-06	1.37E-07	1.21E-07	2.58E-07	1.02E-07	6.18E-08	1.64E-07
919	563469.34	4234797.17	9.87E-07	8.13E-07	1.80E-06	1.67E-07	1.30E-07	2.98E-07	7.97E-07	5.96E-07	1.39E-06	1.31E-07	1.16E-07	2.46E-07	9.75E-08	5.91E-08	1.57E-07
920	563469.51	4234787.83	9.77E-07	8.05E-07	1.78E-06	1.66E-07	1.29E-07	2.95E-07	7.89E-07	5.91E-07	1.38E-06	1.29E-07	1.15E-07	2.44E-07	9.65E-08	5.85E-08	1.55E-07
921	563469.68	4234778.49	9.73E-07	8.02E-07	1.78E-06	1.65E-07	1.29E-07	2.94E-07	7.86E-07	5.88E-07	1.37E-06	1.29E-07	1.14E-07	2.43E-07	9.61E-08	5.83E-08	1.54E-07
922	563469.85	4234769.15	9.70E-07	7.99E-07	1.77E-06	1.65E-07	1.28E-07	2.93E-07	7.83E-07	5.86E-07	1.37E-06	1.28E-07	1.14E-07	2.42E-07	9.58E-08	5.81E-08	1.54E-07
923	563470.02	4234759.81	9.66E-07	7.96E-07	1.76E-06	1.64E-07	1.28E-07	2.91E-07	7.80E-07	5.84E-07	1.36E-06	1.28E-07	1.13E-07	2.41E-07	9.54E-08	5.78E-08	1.53E-07
924	563470.19	4234750.48	9.57E-07	7.89E-07	1.75E-06	1.62E-07	1.26E-07	2.89E-07	7.73E-07	5.79E-07	1.35E-06	1.27E-07	1.12E-07	2.39E-07	9.46E-08	5.73E-08	1.52E-07
925	563470.36	4234741.14	9.46E-07	7.80E-07	1.73E-06	1.61E-07	1.25E-07	2.86E-07	7.64E-07	5.72E-07	1.34E-06	1.25E-07	1.11E-07	2.36E-07	9.35E-08	5.66E-08	1.50E-07
926	563470.53	4234731.8	9.35E-07	7.70E-07	1.70E-06	1.59E-07	1.23E-07	2.82E-07	7.55E-07	5.65E-07	1.32E-06	1.24E-07	1.10E-07	2.33E-07	9.23E-08	5.60E-08	1.48E-07

927	563489.51	4234788.2	8.96E-07	7.38E-07	1.63E-06	1.52E-07	1.18E-07	2.70E-07	7.24E-07	5.42E-07	1.27E-06	1.19E-07	1.05E-07	2.24E-07	8.85E-08	5.36E-08	1.42E-07
928	563489.68	4234778.86	8.92E-07	7.35E-07	1.63E-06	1.51E-07	1.18E-07	2.69E-07	7.21E-07	5.39E-07	1.26E-06	1.18E-07	1.05E-07	2.23E-07	8.81E-08	5.34E-08	1.42E-07
929	563489.85	4234769.52	8.89E-07	7.32E-07	1.62E-06	1.51E-07	1.17E-07	2.68E-07	7.18E-07	5.37E-07	1.26E-06	1.18E-07	1.04E-07	2.22E-07	8.78E-08	5.32E-08	1.41E-07
930	563490.02	4234760.18	8.85E-07	7.29E-07	1.61E-06	1.50E-07	1.17E-07	2.67E-07	7.15E-07	5.35E-07	1.25E-06	1.17E-07	1.04E-07	2.21E-07	8.74E-08	5.30E-08	1.40E-07
931	563490.19	4234750.84	8.77E-07	7.22E-07	1.60E-06	1.49E-07	1.16E-07	2.65E-07	7.08E-07	5.30E-07	1.24E-06	1.16E-07	1.03E-07	2.19E-07	8.66E-08	5.25E-08	1.39E-07
932	563490.36	4234741.5	8.67E-07	7.14E-07	1.58E-06	1.47E-07	1.14E-07	2.61E-07	7.00E-07	5.24E-07	1.22E-06	1.15E-07	1.02E-07	2.16E-07	8.56E-08	5.19E-08	1.37E-07
933	563490.53	4234732.16	8.56E-07	7.05E-07	1.56E-06	1.45E-07	1.13E-07	2.58E-07	6.91E-07	5.17E-07	1.21E-06	1.13E-07	1.00E-07	2.14E-07	8.46E-08	5.12E-08	1.36E-07
934	563509.67	4234779.22	8.23E-07	6.78E-07	1.50E-06	1.40E-07	1.09E-07	2.48E-07	6.64E-07	4.97E-07	1.16E-06	1.09E-07	9.64E-08	2.05E-07	8.13E-08	4.92E-08	1.31E-07
935	563509.84	4234769.88	8.14E-07	6.71E-07	1.48E-06	1.38E-07	1.08E-07	2.46E-07	6.57E-07	4.92E-07	1.15E-06	1.08E-07	9.54E-08	2.03E-07	8.04E-08	4.87E-08	1.29E-07
936	563510.01	4234760.54	8.05E-07	6.63E-07	1.47E-06	1.37E-07	1.06E-07	2.43E-07	6.50E-07	4.87E-07	1.14E-06	1.06E-07	9.44E-08	2.01E-07	7.95E-08	4.82E-08	1.28E-07
937	563510.18	4234751.2	8.00E-07	6.59E-07	1.46E-06	1.36E-07	1.06E-07	2.41E-07	6.46E-07	4.84E-07	1.13E-06	1.06E-07	9.38E-08	2.00E-07	7.90E-08	4.79E-08	1.27E-07
938	563510.35	4234741.87	7.98E-07	6.58E-07	1.46E-06	1.35E-07	1.05E-07	2.41E-07	6.45E-07	4.83E-07	1.13E-06	1.06E-07	9.36E-08	1.99E-07	7.88E-08	4.78E-08	1.27E-07
939	563510.52	4234732.53	7.97E-07	6.56E-07	1.45E-06	1.35E-07	1.05E-07	2.40E-07	6.43E-07	4.81E-07	1.12E-06	1.05E-07	9.33E-08	1.99E-07	7.87E-08	4.77E-08	1.26E-07
940	563529.16	4234807.6	7.55E-07	6.22E-07	1.38E-06	1.28E-07	9.97E-08	2.28E-07	6.09E-07	4.56E-07	1.07E-06	9.98E-08	8.84E-08	1.88E-07	7.45E-08	4.52E-08	1.20E-07
941	563529.33	4234798.26	7.56E-07	6.23E-07	1.38E-06	1.28E-07	9.99E-08	2.28E-07	6.11E-07	4.57E-07	1.07E-06	1.00E-07	8.87E-08	1.89E-07	7.47E-08	4.53E-08	1.20E-07
942	563529.5	4234788.92	7.58E-07	6.24E-07	1.38E-06	1.29E-07	1.00E-07	2.29E-07	6.12E-07	4.58E-07	1.07E-06	1.00E-07	8.88E-08	1.89E-07	7.48E-08	4.54E-08	1.20E-07
943	563529.67	4234779.58	7.51E-07	6.19E-07	1.37E-06	1.27E-07	9.92E-08	2.27E-07	6.07E-07	4.54E-07	1.06E-06	9.94E-08	8.81E-08	1.87E-07	7.42E-08	4.50E-08	1.19E-07
944	563529.84	4234770.25	7.43E-07	6.12E-07	1.35E-06	1.26E-07	9.81E-08	2.24E-07	6.00E-07	4.49E-07	1.05E-06	9.82E-08	8.70E-08	1.85E-07	7.33E-08	4.45E-08	1.18E-07
945	563530.01	4234760.91	7.35E-07	6.05E-07	1.34E-06	1.25E-07	9.70E-08	2.22E-07	5.93E-07	4.44E-07	1.04E-06	9.72E-08	8.61E-08	1.83E-07	7.26E-08	4.40E-08	1.17E-07
946	563530.18	4234751.57	7.31E-07	6.02E-07	1.33E-06	1.24E-07	9.65E-08	2.21E-07	5.90E-07	4.42E-07	1.03E-06	9.67E-08	8.57E-08	1.82E-07	7.22E-08	4.38E-08	1.16E-07
947	563530.35	4234742.23	7.32E-07	6.03E-07	1.33E-06	1.24E-07	9.66E-08	2.21E-07	5.91E-07	4.42E-07	1.03E-06	9.68E-08	8.57E-08	1.83E-07	7.23E-08	4.38E-08	1.16E-07
948	563530.52	4234732.89	7.32E-07	6.03E-07	1.34E-06	1.24E-07	9.67E-08	2.21E-07	5.91E-07	4.43E-07	1.03E-06	9.69E-08	8.58E-08	1.83E-07	7.23E-08	4.38E-08	1.16E-07
949	563569.15	4234808.33	6.30E-07	5.19E-07	1.15E-06	1.07E-07	8.32E-08	1.90E-07	5.09E-07	3.81E-07	8.89E-07	8.33E-08	7.38E-08	1.57E-07	6.22E-08	3.77E-08	9.99E-08
950	563569.32	4234798.99	6.32E-07	5.20E-07	1.15E-06	1.07E-07	8.34E-08	1.91E-07	5.10E-07	3.82E-07	8.92E-07	8.35E-08	7.40E-08	1.58E-07	6.24E-08	3.78E-08	1.00E-07
951	563569.49	4234789.65	6.33E-07	5.22E-07	1.15E-06	1.07E-07	8.36E-08	1.91E-07	5.11E-07	3.83E-07	8.94E-07	8.37E-08	7.42E-08	1.58E-07	6.25E-08	3.79E-08	1.00E-07
952	563569.66	4234780.31	6.34E-07	5.22E-07	1.16E-06	1.08E-07	8.37E-08	1.91E-07	5.12E-07	3.83E-07	8.95E-07	8.38E-08	7.43E-08	1.58E-07	6.26E-08	3.79E-08	1.01E-07
953	563569.83	4234770.97	6.35E-07	5.23E-07	1.16E-06	1.08E-07	8.38E-08	1.92E-07	5.13E-07	3.84E-07	8.96E-07	8.39E-08	7.44E-08	1.58E-07	6.27E-08	3.80E-08	1.01E-07
954	563570	4234761.63	6.36E-07	5.24E-07	1.16E-06	1.08E-07	8.40E-08	1.92E-07	5.14E-07	3.85E-07	8.98E-07	8.41E-08	7.46E-08	1.59E-07	6.28E-08	3.81E-08	1.01E-07
955	563570.51	4234733.62	6.45E-07	5.31E-07	1.18E-06	1.09E-07	8.51E-08	1.95E-07	5.20E-07	3.90E-07	9.10E-07	8.52E-08	7.55E-08	1.61E-07	6.37E-08	3.86E-08	1.02E-07
956	563609.32	4234799.72	5.49E-07	4.53E-07	1.00E-06	9.32E-08	7.26E-08	1.66E-07	4.44E-07	3.32E-07	7.76E-07	7.26E-08	6.44E-08	1.37E-07	5.43E-08	3.29E-08	8.71E-08
957	563609.49	4234790.38	5.45E-07	4.49E-07	9.93E-07	9.24E-08	7.19E-08	1.64E-07	4.40E-07	3.29E-07	7.69E-07	7.20E-08	6.38E-08	1.36E-07	5.38E-08	3.26E-08	8.64E-08
958	563609.66	4234781.04	5.44E-07	4.48E-07	9.92E-07	9.23E-08	7.19E-08	1.64E-07	4.39E-07	3.29E-07	7.68E-07	7.20E-08	6.38E-08	1.36E-07	5.37E-08	3.26E-08	8.63E-08
959	563609.83	4234771.7	5.47E-07	4.51E-07	9.97E-07	9.28E-08	7.22E-08	1.65E-07	4.42E-07	3.31E-07	7.72E-07	7.23E-08	6.41E-08	1.36E-07	5.40E-08	3.27E-08	8.67E-08
960	563610	4234762.36	5.50E-07	4.53E-07	1.00E-06	9.33E-08	7.26E-08	1.66E-07	4.44E-07	3.32E-07	7.76E-07	7.27E-08	6.44E-08	1.37E-07	5.43E-08	3.29E-08	8.72E-08
961	563610.17	4234753.02	5.53E-07	4.56E-07	1.01E-06	9.39E-08	7.31E-08	1.67E-07	4.47E-07	3.35E-07	7.81E-07	7.32E-08	6.49E-08	1.38E-07	5.47E-08	3.31E-08	8.78E-08
962	563649.14	4234809.79	4.71E-07	3.88E-07	8.58E-07	7.99E-08	6.22E-08	1.42E-07	3.80E-07	2.84E-07	6.64E-07	6.22E-08	5.52E-08	1.17E-07	4.65E-08	2.82E-08	7.47E-08
963	563649.31	4234800.45	4.72E-07	3.89E-07	8.61E-07	8.01E-08	6.24E-08	1.42E-07	3.81E-07	2.85E-07	6.66E-07	6.24E-08	5.53E-08	1.18E-07	4.66E-08	2.83E-08	7.49E-08
964	563649.48	4234791.11	4.74E-07	3.91E-07	8.65E-07	8.04E-08	6.26E-08	1.43E-07	3.83E-07	2.86E-07	6.69E-07	6.27E-08	5.55E-08	1.18E-07	4.68E-08	2.84E-08	7.52E-08
965	563649.65	4234781.77	4.76E-07	3.92E-07	8.68E-07	8.08E-08	6.29E-08	1.44E-07	3.84E-07	2.88E-07	6.72E-07	6.30E-08	5.58E-08	1.19E-07	4.70E-08	2.85E-08	7.55E-08
966	563649.82	4234772.43	4.79E-07	3.94E-07	8.73E-07	8.12E-08	6.32E-08	1.44E-07	3.86E-07	2.89E-07	6.76E-07	6.33E-08	5.61E-08	1.19E-07	4.73E-08	2.86E-08	7.59E-08
967	563649.99	4234763.09	4.81E-07	3.96E-07	8.78E-07	8.17E-08	6.36E-08	1.45E-07	3.89E-07	2.91E-07	6.79E-07	6.36E-08	5.64E-08	1.20E-07	4.75E-08	2.88E-08	7.63E-08
968	563650.16	4234753.75	4.84E-07	3.99E-07	8.83E-07	8.22E-08	6.40E-08	1.46E-07	3.91E-07	2.93E-07	6.84E-07	6.41E-08	5.68E-08	1.21E-07	4.78E-08	2.90E-08	7.68E-08
969	563689.3	4234801.17	4.07E-07	3.36E-07	7.43E-07	6.91E-08	5.38E-08	1.23E-07	3.29E-07	2.46E-07	5.75E-07	5.39E-08	4.77E-08	1.02E-07	4.02E-08	2.44E-08	6.46E-08
970	563689.47	4234791.84	4.10E-07	3.38E-07	7.48E-07	6.96E-08	5.41E-08	1.24E-07	3.31E-07	2.48E-07	5.79E-07	5.42E-08	4.80E-08	1.02E-07	4.05E-08	2.45E-08	6.50E-08
971	563689.64	4234782.5	4.12E-07	3.40E-07	7.52E-07	7.00E-08	5.45E-08	1.24E-07	3.33E-07	2.49E-07	5.82E-07	5.45E-08	4.83E-08	1.03E-07	4.07E-08	2.47E-08	6.54E-08
972	563689.81	4234773.16	4.14E-07	3.41E-07	7.56E-07	7.03E-08	5.47E-08	1.25E-07	3.34E-07	2.50E-07	5.85E-07	5.48E-08	4.85E-08	1.03E-07	4.09E-08	2.48E-08	6.57E-08
973	563689.98	4234763.82	4.16E-07	3.43E-07	7.59E-07	7.06E-08	5.50E-08	1.26E-07	3.36E-07	2.52E-07	5.88E-07	5.50E-08	4.88E-08	1.04E-07	4.11E-08	2.49E-08	6.60E-08
974	563729.47	4234792.56	3.55E-07	2.92E-07	6.47E-07	6.02E-08	4.69E-08	1.07E-07	2.87E-07	2.15E-07	5.01E-07	4.69E-08	4.16E-08	8.85E-08	3.51E-08	2.12E-08	5.63E-08
975	563729.64	4234783.22	3.58E-07	2.95E-07	6.52E-07	6.07E-08	4.72E-08	1.08E-07	2.89E-07	2.16E-07	5.05E-07	4.73E-08	4.19E-08	8.92E-08	3.53E-08	2.14E-08	5.67E-08
976	563729.81	4234773.89	3.59E-07	2.96E-07	6.55E-07	6.09E-08	4.74E-08	1.08E-07	2.90E-07	2.17E-07	5.07E-07	4.75E-08	4.21E-08	8.96E-08	3.55E-08	2.15E-08	5.70E-08
977	563809.79	4234775.34	2.80E-07	2.31E-07	5.11E-07	4.75E-08	3.70E-08	8.45E-08	2.26E-07	1.69E-07	3.95E-07	3.70E-08	3.28E-08	6.98E-08	2.77E-08	1.68E-08	4.44E-08
978	563929.26	4234805.54	1.76E-07	1.45E-07	3.20E-07	2.98E-08	2.32E-08	5.30E-08	1.42E-07	1.06E-07	2.48E-07	2.32E-08	2.06E-08	4.38E-08	1.73E-08	1.05E-08	2.79E-08
979	563929.77	4234777.53	1.90E-07	1.56E-07	3.46E-07	3.22E-08	2.51E-08	5.73E-08	1.53E-07	1.15E-07	2.68E-07	2.51E-08	2.22E-08	4.73E-08	1.87E-08	1.14E-08	3.01E-08
980	563929.94	4234768.19	1.93E-07	1.59E-07	3.53E-07	3.28E-08	2.56E-08	5.84E-08	1.56E-07	1.17E-07	2.73E-07	2.56E-08	2.27E-08	4.83E-08	1.91E-08	1.16E-08	3.07E-08
981	563930.11	4234758.85	1.97E-07	1.62E-07	3.59E-07	3.34E-08	2.60E-08	5.95E-08	1.59E-07	1.19E-07	2.78E-07	2.61E-08	2.31E-08	4.92E-08	1.95E-08	1.18E-08	3.13E-08
982	563930.28	4234749.51	2.03E-07	1.67E-07	3.69E-07	3.44E-08	2.68E-08	6.11E-08	1.64E-07	1.22E-07	2.86E-07	2.68E-08	2.37E-08	5.05E-08	2.00E-08	1.21E-08	3.21E-08
983	563251.13	4234712.87	9.59E-06	7.90E-06	1.75E-05	1.63E-06	1.27E-06	2.89E-06	7.74E-06	5.79E-06	1.35E-05	1.27E-06	1.12E-06	2.39E-06	9.47E-07	5.74E-07	1.52E-06
984	563251.71	4234697.55	8.62E-06	7.10E-06	1.57E-05	1.46E-06	1.14E-06	2.60E-06	6.96E-06	5.21E-06	1.22E-05	1.14E-06	1.01E-06	2.15E-06	8.52E-07	5.16E-07	1.37E-06
985	563261.12	4234713.24	7.33E-06	6.04E-06	1.34E-05	1.24E-06	9.68E-07	2.21E-06	5.91E-06	4.43E-06	1.03E-05	9.69E-07	8.58E-07	1.83E-06	7.23E-07	4.38E-07	1.16E-06
986	563261.7	4234697.93	6.63E-06	5.46E-06	1.21E-05	1.12E-06	8.75E-07	2.00E-06	5.35E-06	4.01E-06	9.36E-06	8.77E-07	7.77E-07	1.65E-06	6.55E-07	3.97E-07	1.05E-06
987	563271.12	4234713.62	5.82E-06	4.80E-06	1.06E-05	9.88E-07	7.69E-07	1.76E-06	4.70E-06	3.52E-06	8.22E-06	7.70E-07	6.83E-07	1.45E-06	5.75E-07	3.49E-07	9.24E-07
988	563271.69	4234698.3	5.32E-06	4.38E-06	9.70E-06	9.02E-07	7.02E-07	1.60E-06	4.29E-06	3.21E-06	7.51E-06	7.03E-07	6.23E-07	1.33E-06	5.25E-07	3.18E-07	8.43E-07
989	563281.11	4234713.99	4.77E-06	3.93E-06	8.70E-06	8.09E-07	6.30E-07	1.44E-06	3.85E-06	2.88E-06	6.73E-06	6.31E-07	5.59E-07	1.19E-06	4.71E-07	2.86E-07	7.57E-07
990	563281.68	4234698.68	4.37E-06	3.60E-06	7.98E-06	7.42E-07	5.78E-07	1.32E-06	3.53E-06	2.64E-06	6.18E-06	5.78E-07	5.13E-07	1.09E-06	4.32E-07	2.62E-07	6.94E-07
991	563291.1	4234714.37	4.01E-06	3.30E-06	7.31E-06	6.80E-07	5.29E-07	1.21E-06	3.23E-06	2.42E-06	5.66E-06	5.30E-07	4.69E-07	9.99E-07	3.96E-07	2.40E-07	6.35E-07
992	563291.68	4234699.05	3.69E-06	3.04E-06	6.73E-06	6.26E-07	4.87E-07	1.11E-06	2.98E-06	2.23E-06	5.21E-06	4.88E-07	4.32E-07	9.20E-07	3.64E-07	2.21E-07	5.85E-07
993	563301.1	4234714.74	3.44E-06	2.83E-06	6.27E-06	5.83E-07	4.54E-07	1.04E-06	2.77E-06	2.08E-06	4.85E-06	4.54E-07	4.03E-07	8.57E-07	3.39E-07	2.06E-07	5.45E-07
994	563301.67	4234699.43	3.17E-06	2.62E-06	5.79E-06	5.39E-07	4.19E-07	9.58E-07	2.56E-06	1.92E-06	4.48E-06	4.20E-07	3.72E-07	7.92E-07	3.14E-07	1.90E-07	5.04E-07
995	563311.09	4234715.12	2.99E-06	2.47E-06	5.46E-06	5.08E-07	3.95E-07	9.03E-07	2.42E-06	1.81E-06	4.23E-06	3.96E-07	3.51E-07	7.47E-07	2.96E-07	1.79E-07	4.75E-07
996	563311.66	4234699.8	2.79E-06	2.30E-06	5.09E-06	4.73E-07	3.68E-07	8.42E-07	2.25E-06	1.69E-06	3.94E-06	3.69E-07	3.27E-07	6.96E-07	2.75E-07	1.67E-07	4.42E-07
997	563321.08	4234715.49	2.64E-06	2.18E-06	4.82E-06	4.49E-07	3.49E-07	7.98E-07	2.13E-06	1.60E-06	3.73E-06	3.50E-07	3.10E-07	6.59E-07	2.61E-07	1.58E-07	4.19E-07
998	563321.66	4234700.18	2.48E-06	2.05E-06	4.53E-06	4.22E-07	3.28E-07	7.50E-07	2.01E-06	1.50E-06	3.51E-06	3.29E-07	2.91E-07	6.20E-07	2.45E-07	1.49E-07	3.94E-07
999	563331.07	4234715.87	2.36E-06	1.95E-06	4.31E-06	4.01E-07	3.12E-07	7.13E-07	1.91E-06	1.43E-06	3.33E-06	3.12E-07	2.77E-07	5.89E-07	2.33E-07	1.41E-07	3.75E-07
1000	563331.65	4234700.55	2.24E-06	1.84E-06	4.08E-06	3.80E-07	2.95E-07	6.75E-07	1.81E-06	1.35E-06	3.16E-06	2.96E-07	2.62E-07	5.58E-07	2.21E-07	1.34E-07	3.55E-07
1001	563351.06	4234716.62	1.95E-06	1.61E-06	3.56E-06	3.31E-07	2.58E-07	5.89E-07	1.58E-06	1.18E-06	2.76E-06	2.58E-07	2.29E-07	4.87E-07	1.93E-07	1.17E-07	3.10E-07
1002	563351.64	4234701.3	1.86E-06	1.54E-06	3.40E-06	3.16E-07	2.46E-07	5.63E-07	1.51E-06	1.13E-06	2.63E-06	2.47E-07	2.18E-07	4.65E-07	1.84E-07	1.12E-07	2.96E-07
1003	563371.05	4234717.37	1.66E-06	1.37E-06	3.03E-06	2.81E-07	2.19E-07	5.01E-07	1.34E-06	1.00E-06	2.34E-06	2.19E-07	1.94E-07	4.14E-07	1.64E-07	9.93E-08	2.63E-07
1004	563371.62	4234702.05	1.59E-06	1.31E-06	2.90E-06	2.70E-07	2.10E-07	4.79E-07	1.28E-06	9.60E-07	2.24E-06	2.10E-07	1.86E-07	3.96E-07	1.57E-07	9.51E-08	2.52E-07
1005	563391.03	4234718.12	1.43E-06	1.18E-06	2.62E-06	2.43E-07	1.89E-07	4.33E-07	1.16E-06	8.67E-07	2.03E-06	1.90E-07	1.68E-07	3.58E-07	1.42E-07	8.59E-08	2.28E-07
1006	563391.61	4234702.8	1.37E-06	1.13E-06	2.50E-06	2.33E-07	1.81E-07	4.14E-07	1.11E-06	8.29E-07	1.94E-06	1.81E-07	1.61E-07	3.42E-07	1.35E-07	8.21E-08	2.17E-07
1007	563411.02	4234718.87	1.27E-06	1.05E-06	2.31E-06	2.15E-07	1.68E-07	3.83E-07	1.02E-06	7.67E-07	1.79E-06	1.68E-07	1.49E-07	3.16E-07	1.25E-07	7.59E-08	2.01E-07
1008	563411.59	4234703.55	1.23E-06	1.01E-06	2.24E-06	2.08E-07	1.62E-07	3.70E-07	9.90E-07	7.41E-07	1.73E-06	1.62E-07	1.44E-07	3.06E-07	1.21E-07	7.34E-08	1.94E-07
1009	563431	4234719.62	1.13E-06	9.34E-07	2.07E-06	1.92E-07	1.50E-07	3.42E-07	9.16E-07	6.85E-07	1.60E-06	1.50E-07	1.33E-07	2.83E-07	1.12E-07	6.79E-08	1.80E-07
1010	563431.58	4234704.3	1.11E-06	9.12E-07	2.02E-06	1.88E-07	1.46E-07	3.34E-07	8.94E-07	6.69E-07	1.56E-06	1.46E-07	1.30E-07	2.76E-07	1.09E-07	6.63E-08	1.76E-07
1011	563450.99	4234720.37	1.02E-06	8.40E-07	1.86E-06	1.73E-07	1.35E-07	3.08E-07	8.23E-07	6.16E-07	1.44E-06	1.35E-07	1.19E-07	2.54E-07	1.01E-07	6.10E-08	1.62E-07
1012	563451.57	4234705.05	1.00E-06	8.24E-07	1.82E-06	1.70E-07	1.32E-07	3.02E-07	8.08E-07	6.05E-07	1.41E-06	1.32E-07	1.17E-07	2.50E-07	9.88E-08	5.99E-08	1.59E-07
1013	563470.98	4234721.12	9.23E-07	7.61E-07	1.68E-06	1.57E-07	1.22E-07	2.79E-07	7.45E-07	5.58E-07	1.30E-06	1.22E-07	1.08E-07	2.30E-07	9.12E-08	5.53E-08	1.46E-07
1014	563471.55	4234705.8	9.10E-07	7.50E-07	1.66E-06	1.54E-07	1.20E-07	2.75E-07	7.35E-07	5.50E-07	1.29E-06	1.20E-07	1.07E-07	2.27E-07	8.99E-08	5.45E-08	1.44E-07
1015	563490.96	4234721.87	8.47E-07	6.98E-07	1.55E-06	1.44E-07	1.12E-07	2.56E-07	6.84E-07	5.12E-07	1.20E-06	1.12E-07	9.93E-08	2.11E-07	8.37E-08	5.07E-08	1.34E-07
1016	563491.54	4234706.55	8.40E-07	6.92E-07	1.53E-06	1.42E-07	1.11E-07	2.53E-07	6.78E-07	5.08E-07	1.19E-06	1.11E-07	9.84E-08	2.09E-07	8.29E-08	5.03E-08	1.33E-07
1017	563510.95	4234722.62	7.94E-07	6.54E-07	1.45E-06	1.35E-07	1.05E-07	2.40E-07	6.41E-07	4.80E-07	1.12E-06	1.05E-07	9.31E-08	1.98E-07	7.84E-08	4.75E-08	1.26E-07
1018	563511.52	4234707.31	7.91E-07	6.52E-07	1.44E-06	1.34E-07	1.05E-07	2.39E-07	6.39E-07	4.78E-07	1.12E-06	1.05E-07	9.27E-08	1.97E-07	7.81E-08	4.74E-08	1.25E-07
1019	563530.93	4234723.37	7.32E-07	6.03E-07	1.34E-06	1.24E-07	9.67E-08	2.21E-07	5.91E-07	4.43E-07	1.03E-06	9.69E-08	8.58E-08	1.83E-07	7.23E-08	4.38E-08	1.16E-07

1020	563531.51	4234708.06	7.32E-07	6.03E-07	1.33E-06	1.24E-07	9.67E-08	2.21E-07	5.91E-07	4.42E-07	1.03E-06	9.68E-08	8.58E-08	1.83E-07	7.23E-08	4.38E-08	1.16E-07
1021	563571.19	4234717.21	6.50E-07	5.35E-07	1.19E-06	1.10E-07	8.58E-08	1.96E-07	5.25E-07	3.93E-07	9.17E-07	8.59E-08	7.62E-08	1.62E-07	6.42E-08	3.89E-08	1.03E-07
1022	563611.16	4234718.71	5.73E-07	4.72E-07	1.05E-06	9.73E-08	7.57E-08	1.73E-07	4.63E-07	3.46E-07	8.09E-07	7.58E-08	6.72E-08	1.43E-07	5.66E-08	3.43E-08	9.09E-08
1023	563690.25	4234744.69	4.22E-07	3.48E-07	7.71E-07	7.17E-08	5.58E-08	1.27E-07	3.41E-07	2.55E-07	5.96E-07	5.59E-08	4.95E-08	1.05E-07	4.17E-08	2.53E-08	6.70E-08
1024	563251.72	4234681.86	7.59E-06	6.25E-06	1.38E-05	1.29E-06	1.00E-06	2.29E-06	6.13E-06	4.59E-06	1.07E-05	1.00E-06	8.90E-07	1.89E-06	7.50E-07	4.54E-07	1.20E-06
1025	563261.72	4234681.86	5.90E-06	4.86E-06	1.08E-05	1.00E-06	7.79E-07	1.78E-06	4.76E-06	3.57E-06	8.33E-06	7.80E-07	6.91E-07	1.47E-06	5.83E-07	3.53E-07	9.36E-07
1026	563271.72	4234689.33	5.02E-06	4.14E-06	9.16E-06	8.52E-07	6.63E-07	1.52E-06	4.05E-06	3.03E-06	7.09E-06	6.64E-07	5.88E-07	1.25E-06	4.96E-07	3.01E-07	7.96E-07
1027	563281.72	4234689.33	4.15E-06	3.42E-06	7.58E-06	7.05E-07	5.49E-07	1.25E-06	3.35E-06	2.51E-06	5.87E-06	5.49E-07	4.87E-07	1.04E-06	4.10E-07	2.49E-07	6.59E-07
1028	563291.72	4234689.33	3.52E-06	2.90E-06	6.42E-06	5.98E-07	4.65E-07	1.06E-06	2.84E-06	2.13E-06	4.97E-06	4.66E-07	4.13E-07	8.79E-07	3.48E-07	2.11E-07	5.59E-07
1029	563301.72	4234689.33	3.04E-06	2.51E-06	5.55E-06	5.17E-07	4.02E-07	9.19E-07	2.46E-06	1.84E-06	4.30E-06	4.03E-07	3.57E-07	7.59E-07	3.01E-07	1.82E-07	4.83E-07
1030	563311.72	4234689.33	2.68E-06	2.21E-06	4.89E-06	4.55E-07	3.54E-07	8.09E-07	2.17E-06	1.62E-06	3.79E-06	3.55E-07	3.14E-07	6.69E-07	2.65E-07	1.61E-07	4.26E-07
1031	563321.72	4234689.33	2.40E-06	1.97E-06	4.37E-06	4.07E-07	3.16E-07	7.23E-07	1.93E-06	1.45E-06	3.38E-06	3.17E-07	2.81E-07	5.98E-07	2.37E-07	1.43E-07	3.80E-07
1032	563331.72	4234689.33	2.16E-06	1.78E-06	3.94E-06	3.67E-07	2.86E-07	6.53E-07	1.75E-06	1.31E-06	3.05E-06	2.86E-07	2.53E-07	5.39E-07	2.14E-07	1.29E-07	3.43E-07
1033	563351.72	4234689.33	1.80E-06	1.48E-06	3.29E-06	3.06E-07	2.38E-07	5.44E-07	1.45E-06	1.09E-06	2.54E-06	2.38E-07	2.11E-07	4.49E-07	1.78E-07	1.08E-07	2.86E-07
1034	563371.72	4234689.33	1.53E-06	1.26E-06	2.80E-06	2.60E-07	2.03E-07	4.63E-07	1.24E-06	9.28E-07	2.17E-06	2.03E-07	1.80E-07	3.83E-07	1.52E-07	9.19E-08	2.43E-07
1035	563391.72	4234689.33	1.33E-06	1.09E-06	2.42E-06	2.25E-07	1.75E-07	4.01E-07	1.07E-06	8.03E-07	1.88E-06	1.76E-07	1.56E-07	3.31E-07	1.31E-07	7.95E-08	2.11E-07
1036	563411.72	4234689.33	1.19E-06	9.80E-07	2.17E-06	2.02E-07	1.57E-07	3.59E-07	9.60E-07	7.19E-07	1.68E-06	1.57E-07	1.39E-07	2.97E-07	1.17E-07	7.12E-08	1.89E-07
1037	563431.72	4234689.33	1.08E-06	8.88E-07	1.97E-06	1.83E-07	1.42E-07	3.25E-07	8.71E-07	6.52E-07	1.52E-06	1.43E-07	1.26E-07	2.69E-07	1.06E-07	6.45E-08	1.71E-07
1038	563451.72	4234689.33	9.82E-07	8.09E-07	1.79E-06	1.67E-07	1.30E-07	2.96E-07	7.93E-07	5.93E-07	1.39E-06	1.30E-07	1.15E-07	2.45E-07	9.70E-08	5.88E-08	1.56E-07
1039	563471.72	4234696.8	9.03E-07	7.44E-07	1.65E-06	1.53E-07	1.19E-07	2.72E-07	7.29E-07	5.46E-07	1.27E-06	1.19E-07	1.06E-07	2.25E-07	8.92E-08	5.40E-08	1.43E-07
1040	563471.72	4234681.86	8.90E-07	7.33E-07	1.62E-06	1.51E-07	1.18E-07	2.69E-07	7.18E-07	5.38E-07	1.26E-06	1.18E-07	1.04E-07	2.22E-07	8.79E-08	5.33E-08	1.41E-07
1041	563491.72	4234696.8	8.35E-07	6.88E-07	1.52E-06	1.42E-07	1.10E-07	2.52E-07	6.74E-07	5.05E-07	1.18E-06	1.10E-07	9.78E-08	2.08E-07	8.25E-08	5.00E-08	1.32E-07
1042	563491.72	4234681.86	8.22E-07	6.77E-07	1.50E-06	1.40E-07	1.09E-07	2.48E-07	6.64E-07	4.97E-07	1.16E-06	1.09E-07	9.63E-08	2.05E-07	8.12E-08	4.92E-08	1.30E-07
1043	563511.72	4234696.8	7.88E-07	6.49E-07	1.44E-06	1.34E-07	1.04E-07	2.38E-07	6.37E-07	4.76E-07	1.11E-06	1.04E-07	9.24E-08	1.97E-07	7.79E-08	4.72E-08	1.25E-07
1044	563511.72	4234681.86	7.69E-07	6.34E-07	1.40E-06	1.31E-07	1.02E-07	2.32E-07	6.21E-07	4.65E-07	1.09E-06	1.02E-07	9.02E-08	1.92E-07	7.60E-08	4.60E-08	1.22E-07
1045	563531.72	4234696.8	7.31E-07	6.02E-07	1.33E-06	1.24E-07	9.65E-08	2.21E-07	5.90E-07	4.42E-07	1.03E-06	9.67E-08	8.56E-08	1.82E-07	7.22E-08	4.37E-08	1.16E-07
1046	563531.72	4234681.86	7.23E-07	5.95E-07	1.32E-06	1.23E-07	9.54E-08	2.18E-07	5.83E-07	4.37E-07	1.02E-06	9.56E-08	8.47E-08	1.80E-07	7.14E-08	4.33E-08	1.15E-07
1047	563571.6	4234703.18	6.54E-07	5.38E-07	1.19E-06	1.11E-07	8.63E-08	1.97E-07	5.28E-07	3.95E-07	9.23E-07	8.64E-08	7.66E-08	1.63E-07	6.45E-08	3.91E-08	1.04E-07
1048	563571.72	4234689.33	6.56E-07	5.41E-07	1.20E-06	1.11E-07	8.67E-08	1.98E-07	5.30E-07	3.97E-07	9.26E-07	8.68E-08	7.69E-08	1.64E-07	6.48E-08	3.93E-08	1.04E-07
1049	563611.59	4234703.93	5.81E-07	4.78E-07	1.06E-06	9.85E-08	7.67E-08	1.75E-07	4.69E-07	3.51E-07	8.20E-07	7.68E-08	6.80E-08	1.45E-07	5.73E-08	3.48E-08	9.21E-08
1050	563611.72	4234689.33	5.85E-07	4.82E-07	1.07E-06	9.93E-08	7.73E-08	1.77E-07	4.72E-07	3.54E-07	8.26E-07	7.74E-08	6.86E-08	1.46E-07	5.78E-08	3.50E-08	9.28E-08
1051	563651.62	4234702.05	5.06E-07	4.17E-07	9.22E-07	8.58E-08	6.68E-08	1.53E-07	4.08E-07	3.06E-07	7.14E-07	6.69E-08	5.93E-08	1.26E-07	4.99E-08	3.03E-08	8.02E-08
1052	563651.72	4234689.33	5.11E-07	4.21E-07	9.32E-07	8.67E-08	6.75E-08	1.54E-07	4.12E-07	3.09E-07	7.21E-07	6.75E-08	5.99E-08	1.27E-07	5.04E-08	3.06E-08	8.10E-08
1053	563691.72	4234696.8	4.44E-07	3.65E-07	8.09E-07	7.53E-08	5.86E-08	1.34E-07	3.58E-07	2.68E-07	6.26E-07	5.87E-08	5.20E-08	1.11E-07	4.38E-08	2.66E-08	7.04E-08
1054	563691.72	4234681.86	4.50E-07	3.71E-07	8.21E-07	7.64E-08	5.94E-08	1.36E-07	3.63E-07	2.72E-07	6.35E-07	5.95E-08	5.27E-08	1.12E-07	4.44E-08	2.69E-08	7.14E-08
1055	563731.72	4234689.33	3.91E-07	3.22E-07	7.14E-07	6.64E-08	5.17E-08	1.18E-07	3.16E-07	2.37E-07	5.53E-07	5.18E-08	4.59E-08	9.76E-08	3.87E-08	2.34E-08	6.21E-08
1056	563811.72	4234696.8	3.15E-07	2.59E-07	5.74E-07	5.34E-08	4.16E-08	9.49E-08	2.54E-07	1.90E-07	4.44E-07	4.16E-08	3.69E-08	7.85E-08	3.11E-08	1.88E-08	4.99E-08
1057	563261.72	4234670.57	5.43E-06	4.47E-06	9.90E-06	9.21E-07	7.17E-07	1.64E-06	4.38E-06	3.28E-06	7.67E-06	7.18E-07	6.36E-07	1.35E-06	5.36E-07	3.25E-07	8.61E-07
1058	563271.72	4234676.21	4.61E-06	3.80E-06	8.41E-06	7.82E-07	6.09E-07	1.39E-06	3.72E-06	2.79E-06	6.51E-06	6.10E-07	5.40E-07	1.15E-06	4.55E-07	2.76E-07	7.31E-07
1059	563281.72	4234676.21	3.87E-06	3.19E-06	7.06E-06	6.57E-07	5.11E-07	1.17E-06	3.13E-06	2.34E-06	5.47E-06	5.12E-07	4.54E-07	9.66E-07	3.82E-07	2.32E-07	6.14E-07
1060	563291.72	4234676.21	3.32E-06	2.74E-06	6.06E-06	5.64E-07	4.39E-07	1.00E-06	2.68E-06	2.01E-06	4.69E-06	4.40E-07	3.89E-07	8.29E-07	3.28E-07	1.99E-07	5.27E-07
1061	563301.72	4234676.21	2.90E-06	2.39E-06	5.29E-06	4.92E-07	3.83E-07	8.75E-07	2.34E-06	1.75E-06	4.09E-06	3.84E-07	3.40E-07	7.23E-07	2.86E-07	1.74E-07	4.60E-07
1062	563311.72	4234676.21	2.57E-06	2.12E-06	4.69E-06	4.36E-07	3.39E-07	7.75E-07	2.08E-06	1.55E-06	3.63E-06	3.40E-07	3.01E-07	6.41E-07	2.54E-07	1.54E-07	4.08E-07
1063	563321.72	4234676.21	2.30E-06	1.90E-06	4.20E-06	3.91E-07	3.04E-07	6.95E-07	1.86E-06	1.39E-06	3.25E-06	3.05E-07	2.70E-07	5.75E-07	2.28E-07	1.38E-07	3.65E-07
1064	563331.72	4234676.21	2.09E-06	1.72E-06	3.80E-06	3.54E-07	2.76E-07	6.29E-07	1.68E-06	1.26E-06	2.94E-06	2.76E-07	2.44E-07	5.20E-07	2.06E-07	1.25E-07	3.31E-07
1065	563351.72	4234676.21	1.73E-06	1.43E-06	3.16E-06	2.94E-07	2.29E-07	5.23E-07	1.40E-06	1.05E-06	2.45E-06	2.29E-07	2.03E-07	4.33E-07	1.71E-07	1.04E-07	2.75E-07
1066	563371.72	4234676.21	1.48E-06	1.22E-06	2.70E-06	2.51E-07	1.96E-07	4.47E-07	1.20E-06	8.95E-07	2.09E-06	1.96E-07	1.74E-07	3.69E-07	1.46E-07	8.87E-08	2.35E-07
1067	563391.72	4234676.21	1.29E-06	1.07E-06	2.36E-06	2.19E-07	1.71E-07	3.90E-07	1.04E-06	7.81E-07	1.83E-06	1.71E-07	1.52E-07	3.22E-07	1.28E-07	7.74E-08	2.05E-07
1068	563411.72	4234676.21	1.15E-06	9.51E-07	2.11E-06	1.96E-07	1.53E-07	3.48E-07	9.32E-07	6.98E-07	1.63E-06	1.53E-07	1.35E-07	2.88E-07	1.14E-07	6.91E-08	1.83E-07
1069	563431.72	4234676.21	1.05E-06	8.63E-07	1.91E-06	1.78E-07	1.38E-07	3.16E-07	8.46E-07	6.33E-07	1.48E-06	1.39E-07	1.23E-07	2.61E-07	1.03E-07	6.27E-08	1.66E-07
1070	563451.72	4234676.21	9.64E-07	7.95E-07	1.76E-06	1.64E-07	1.27E-07	2.91E-07	7.79E-07	5.83E-07	1.36E-06	1.28E-07	1.13E-07	2.41E-07	9.52E-08	5.77E-08	1.53E-07
1071	563471.72	4234670.57	8.78E-07	7.23E-07	1.60E-06	1.49E-07	1.16E-07	2.65E-07	7.09E-07	5.31E-07	1.24E-06	1.16E-07	1.03E-07	2.19E-07	8.67E-08	5.25E-08	1.39E-07
1072	563491.72	4234670.57	8.10E-07	6.68E-07	1.48E-06	1.38E-07	1.07E-07	2.45E-07	6.54E-07	4.90E-07	1.14E-06	1.07E-07	9.50E-08	2.02E-07	8.00E-08	4.85E-08	1.29E-07
1073	563511.72	4234670.57	7.53E-07	6.20E-07	1.37E-06	1.28E-07	9.95E-08	2.27E-07	6.08E-07	4.55E-07	1.06E-06	9.96E-08	8.83E-08	1.88E-07	7.44E-08	4.51E-08	1.19E-07
1074	563531.72	4234670.57	7.14E-07	5.88E-07	1.30E-06	1.21E-07	9.43E-08	2.15E-07	5.77E-07	4.32E-07	1.01E-06	9.44E-08	8.37E-08	1.78E-07	7.05E-08	4.27E-08	1.13E-07
1075	563571.72	4234676.21	6.57E-07	5.41E-07	1.20E-06	1.11E-07	8.67E-08	1.98E-07	5.30E-07	3.97E-07	9.27E-07	8.68E-08	7.70E-08	1.64E-07	6.49E-08	3.93E-08	1.04E-07
1076	563611.72	4234676.21	5.88E-07	4.85E-07	1.07E-06	9.98E-08	7.77E-08	1.77E-07	4.75E-07	3.55E-07	8.30E-07	7.78E-08	6.89E-08	1.47E-07	5.81E-08	3.52E-08	9.33E-08
1077	563651.72	4234676.21	5.15E-07	4.25E-07	9.40E-07	8.74E-08	6.81E-08	1.55E-07	4.16E-07	3.11E-07	7.27E-07	6.81E-08	6.04E-08	1.29E-07	5.09E-08	3.08E-08	8.17E-08
1078	563261.53	4234654.69	4.92E-06	4.06E-06	8.98E-06	8.35E-07	6.50E-07	1.49E-06	3.98E-06	2.98E-06	6.95E-06	6.51E-07	5.77E-07	1.23E-06	4.86E-07	2.95E-07	7.81E-07
1079	563271.62	4234662.33	4.26E-06	3.51E-06	7.77E-06	7.23E-07	5.63E-07	1.29E-06	3.44E-06	2.58E-06	6.02E-06	5.64E-07	4.99E-07	1.06E-06	4.21E-07	2.55E-07	6.76E-07
1080	563281.62	4234662.2	3.63E-06	2.99E-06	6.62E-06	6.15E-07	4.79E-07	1.09E-06	2.93E-06	2.19E-06	5.12E-06	4.80E-07	4.25E-07	9.05E-07	3.58E-07	2.17E-07	5.75E-07
1081	563291.62	4234662.08	3.14E-06	2.59E-06	5.74E-06	5.34E-07	4.15E-07	9.49E-07	2.54E-06	1.90E-06	4.44E-06	4.16E-07	3.69E-07	7.84E-07	3.11E-07	1.88E-07	4.99E-07
1082	563301.62	4234661.96	2.77E-06	2.28E-06	5.04E-06	4.69E-07	3.65E-07	8.35E-07	2.23E-06	1.67E-06	3.90E-06	3.66E-07	3.24E-07	6.90E-07	2.73E-07	1.66E-07	4.39E-07
1083	563311.62	4234661.84	2.46E-06	2.03E-06	4.49E-06	4.18E-07	3.25E-07	7.43E-07	1.99E-06	1.49E-06	3.48E-06	3.26E-07	2.88E-07	6.14E-07	2.43E-07	1.47E-07	3.90E-07
1084	563321.62	4234661.71	2.21E-06	1.82E-06	4.04E-06	3.76E-07	2.92E-07	6.68E-07	1.79E-06	1.34E-06	3.13E-06	2.93E-07	2.59E-07	5.52E-07	2.19E-07	1.32E-07	3.51E-07
1085	563331.62	4234661.59	2.01E-06	1.65E-06	3.66E-06	3.41E-07	2.65E-07	6.06E-07	1.62E-06	1.21E-06	2.84E-06	2.66E-07	2.35E-07	5.01E-07	1.98E-07	1.20E-07	3.19E-07
1086	563351.62	4234661.35	1.67E-06	1.37E-06	3.04E-06	2.83E-07	2.20E-07	5.03E-07	1.35E-06	1.01E-06	2.35E-06	2.21E-07	1.95E-07	4.16E-07	1.65E-07	9.98E-08	2.65E-07
1087	563371.61	4234661.1	1.43E-06	1.18E-06	2.60E-06	2.42E-07	1.88E-07	4.30E-07	1.15E-06	8.62E-07	2.01E-06	1.89E-07	1.67E-07	3.56E-07	1.41E-07	8.54E-08	2.26E-07
1088	563391.61	4234660.86	1.25E-06	1.03E-06	2.28E-06	2.12E-07	1.65E-07	3.78E-07	1.01E-06	7.57E-07	1.77E-06	1.66E-07	1.47E-07	3.12E-07	1.24E-07	7.49E-08	1.99E-07
1089	563411.61	4234660.61	1.12E-06	9.19E-07	2.04E-06	1.89E-07	1.47E-07	3.37E-07	9.01E-07	6.74E-07	1.58E-06	1.48E-07	1.31E-07	2.78E-07	1.10E-07	6.68E-08	1.77E-07
1090	563278.38	4234602.75	3.09E-06	2.55E-06	5.64E-06	5.25E-07	4.08E-07	9.33E-07	2.50E-06	1.87E-06	4.37E-06	4.09E-07	3.62E-07	7.71E-07	3.05E-07	1.85E-07	4.90E-07
1091	563291.46	4234604.8	2.62E-06	2.16E-06	4.78E-06	4.45E-07	3.47E-07	7.92E-07	2.12E-06	1.59E-06	3.70E-06	3.47E-07	3.07E-07	6.54E-07	2.59E-07	1.57E-07	4.16E-07
1092	563285.62	4234595.86	2.76E-06	2.28E-06	5.04E-06	4.69E-07	3.65E-07	8.34E-07	2.23E-06	1.67E-06	3.90E-06	3.65E-07	3.24E-07	6.89E-07	2.73E-07	1.65E-07	4.38E-07
1093	563298.76	4234598.06	2.37E-06	1.95E-06	4.31E-06	4.01E-07	3.12E-07	7.14E-07	1.91E-06	1.43E-06	3.34E-06	3.13E-07	2.77E-07	5.90E-07	2.34E-07	1.42E-07	3.75E-07
1094	563302.9	4234608.22	2.31E-06	1.91E-06	4.22E-06	3.93E-07	3.06E-07	6.98E-07	1.87E-06	1.40E-06	3.27E-06	3.06E-07	2.71E-07	5.77E-07	2.28E-07	1.38E-07	3.67E-07
1095	563292.86	4234588.96	2.49E-06	2.05E-06	4.54E-06	4.22E-07	3.29E-07	7.51E-07	2.01E-06	1.50E-06	3.51E-06	3.29E-07	2.92E-07	6.21E-07	2.46E-07	1.49E-07	3.95E-07
1096	563305.9	4234590.92	2.15E-06	1.77E-06	3.91E-06	3.64E-07	2.83E-07	6.47E-07	1.73E-06	1.30E-06	3.03E-06	2.84E-07	2.51E-07	5.35E-07	2.12E-07	1.28E-07	3.40E-07
1097	563309.84	4234600.6	2.09E-06	1.72E-06	3.82E-06	3.55E-07	2.76E-07	6.32E-07	1.69E-06	1.26E-06	2.95E-06	2.77E-07	2.45E-07	5.22E-07	2.07E-07	1.25E-07	3.32E-07
1098	563300.1	4234582.06	2.26E-06	1.86E-06	4.11E-06	3.83E-07	2.98E-07	6.81E-07	1.82E-06	1.36E-06	3.18E-06	2.98E-07	2.64E-07	5.63E-07	2.23E-07	1.35E-07	3.58E-07
1099	563320.48	4234577.37	1.77E-06	1.46E-06	3.24E-06	3.01E-07	2.34E-07	5.35E-07	1.43E-06	1.07E-06	2.51E-06	2.35E-07	2.08E-07	4.43E-07	1.75E-07	1.06E-07	2.81E-07
1100	563324.62	4234587.53	1.73E-06	1.43E-06	3.16E-06	2.94E-07	2.29E-07	5.22E-07	1.40E-06	1.05E-06	2.44E-06	2.29E-07	2.03E-07	4.32E-07	1.71E-07	1.04E-07	2.75E-07
1101	563328.76	4234597.69	1.70E-06	1.40E-06	3.10E-06	2.88E-07	2.24E-07	5.13E-07	1.37E-06	1.03E-06	2.40E-06	2.25E-07	1.99E-07	4.24E-07	1.68E-07	1.02E-07	2.69E-07
1102	563332.9	4234607.86	1.68E-06	1.38E-06	3.06E-06	2.85E-07	2.21E-07	5.06E-07	1.35E-06	1.01E-06	2.37E-06	2.22E-07	1.96E-07	4.18E-07	1.66E-07	1.00E-07	2.66E-07
1103	563314.58	4234568.27	1.86E-06	1.53E-06	3.39E-06	3.15E-07	2.45E-07	5.60E-07	1.50E-06	1.12E-06	2.62E-06	2.46E-07	2.18E-07	4.63E-07	1.83E-07	1.11E-07	2.95E-07
1104	563334.92	4234563.48	1.49E-06	1.23E-06	2.71E-06	2.53E-07	1.97E-07	4.49E-07	1.20E-06	8.99E-07	2.10E-06	1.97E-07	1.74E-07	3.71E-07	1.47E-07	8.91E-08	2.36E-07
1105	563338.99	4234573.47	1.46E-06	1.20E-06	2.66E-06	2.48E-07	1.93E-07	4.41E-07	1.18E-06	8.83E-07	2.06E-06	1.93E-07	1.71E-07	3.64E-07	1.44E-07	8.75E-08	2.32E-07
1106	563343.06	4234583.45	1.44E-06	1.18E-06	2.62E-06	2.44E-07	1.90E-07	4.33E-07	1.16E-06	8.68E-07	2.03E-06	1.90E-07	1.68E-07	3.58E-07	1.42E-07	8.60E-08	2.28E-07
1107	563347.12	4234593.44	1.42E-06	1.17E-06	2.59E-06	2.41E-07	1.87E-07	4.28E-07	1.14E-06	8.57E-07	2.00E-06	1.87E-07	1.66E-07	3.54E-07	1.40E-07	8.49E-08	2.25E-07
1108	563351.19	4234603.42	1.41E-06	1.16E-06	2.56E-06	2.38E-07	1.86E-07	4.24E-07	1.13E-06	8.49E-07	1.98E-06	1.86E-07	1.65E-07	3.51E-07	1.39E-07	8.41E-08	2.23E-07
1109	563329.06	4234554.47	1.55E-06	1.28E-06	2.83E-06	2.64E-07	2.05E-07	4.69E-07	1.25E-06	9.39E-07	2.19E-06	2.05E-07	1.82E-07	3.88E-07	1.53E-07	9.30E-08	2.46E-07
1110	563349.38	4234549.62	1.28E-06	1.05E-06	2.33E-06	2.17E-07	1.69E-07	3.85E-07	1.03E-06	7.72E-07	1.80E-06	1.69E-07	1.50E-07	3.19E-07	1.26E-07	7.64E-08	2.03E-07
1111	563353.39	4234559.48	1.25E-06	1.03E-06	2.28E-06	2.12E-07	1.65E-07	3.78E-07	1.01E-06	7.56E-07	1.77E-06	1.65E-07	1.47E-07	3.12E-07	1.24E-07	7.49E-08	1.98E-07
1112	563357.4	4234569.33	1.23E-06	1.01E-06	2.25E-06	2.09E-07	1.63E-07	3.72E-07	9.94E-07	7.44E-07	1.74E-06	1.63E-07	1.44E-07	3.07E-07	1.22E-07	7.37E-08	1.95E-07

1113	563361.42	4234579.19	1.22E-06	1.00E-06	2.22E-06	2.06E-07	1.61E-07	3.67E-07	9.82E-07	7.35E-07	1.72E-06	1.61E-07	1.43E-07	3.03E-07	1.20E-07	7.28E-08	1.93E-07
1114	563365.43	4234589.04	1.21E-06	9.95E-07	2.20E-06	2.05E-07	1.60E-07	3.64E-07	9.75E-07	7.30E-07	1.70E-06	1.60E-07	1.42E-07	3.01E-07	1.19E-07	7.23E-08	1.92E-07
1115	563369.44	4234598.9	1.20E-06	9.92E-07	2.20E-06	2.04E-07	1.59E-07	3.63E-07	9.73E-07	7.28E-07	1.70E-06	1.59E-07	1.41E-07	3.00E-07	1.19E-07	7.21E-08	1.91E-07
1116	563373.46	4234608.75	1.21E-06	9.93E-07	2.20E-06	2.05E-07	1.59E-07	3.64E-07	9.74E-07	7.29E-07	1.70E-06	1.59E-07	1.41E-07	3.01E-07	1.19E-07	7.22E-08	1.91E-07
1117	563343.54	4234540.67	1.33E-06	1.10E-06	2.43E-06	2.26E-07	1.76E-07	4.02E-07	1.08E-06	8.06E-07	1.88E-06	1.76E-07	1.56E-07	3.32E-07	1.32E-07	7.98E-08	2.11E-07
1118	563363.92	4234535.98	1.12E-06	9.19E-07	2.03E-06	1.89E-07	1.47E-07	3.36E-07	9.00E-07	6.74E-07	1.57E-06	1.47E-07	1.31E-07	2.78E-07	1.10E-07	6.67E-08	1.77E-07
1119	563368.06	4234546.14	1.09E-06	8.98E-07	1.99E-06	1.85E-07	1.44E-07	3.29E-07	8.80E-07	6.59E-07	1.54E-06	1.44E-07	1.28E-07	2.72E-07	1.08E-07	6.53E-08	1.73E-07
1120	563372.2	4234556.31	1.07E-06	8.83E-07	1.95E-06	1.82E-07	1.42E-07	3.23E-07	8.65E-07	6.48E-07	1.51E-06	1.42E-07	1.26E-07	2.67E-07	1.06E-07	6.42E-08	1.70E-07
1121	563376.34	4234566.47	1.06E-06	8.73E-07	1.93E-06	1.80E-07	1.40E-07	3.20E-07	8.56E-07	6.40E-07	1.50E-06	1.40E-07	1.24E-07	2.64E-07	1.05E-07	6.34E-08	1.68E-07
1122	563380.48	4234576.63	1.05E-06	8.68E-07	1.92E-06	1.79E-07	1.39E-07	3.18E-07	8.51E-07	6.37E-07	1.49E-06	1.39E-07	1.23E-07	2.63E-07	1.04E-07	6.30E-08	1.67E-07
1123	563384.61	4234586.79	1.05E-06	8.67E-07	1.92E-06	1.78E-07	1.39E-07	3.17E-07	8.49E-07	6.36E-07	1.49E-06	1.39E-07	1.23E-07	2.62E-07	1.04E-07	6.30E-08	1.67E-07
1124	563388.75	4234596.96	1.05E-06	8.68E-07	1.92E-06	1.79E-07	1.39E-07	3.18E-07	8.51E-07	6.37E-07	1.49E-06	1.39E-07	1.24E-07	2.63E-07	1.04E-07	6.31E-08	1.67E-07
1125	563392.89	4234607.12	1.06E-06	8.73E-07	1.93E-06	1.80E-07	1.40E-07	3.20E-07	8.55E-07	6.40E-07	1.50E-06	1.40E-07	1.24E-07	2.64E-07	1.05E-07	6.34E-08	1.68E-07
1126	563358.02	4234526.88	1.16E-06	9.59E-07	2.12E-06	1.98E-07	1.54E-07	3.51E-07	9.40E-07	7.04E-07	1.64E-06	1.54E-07	1.36E-07	2.90E-07	1.15E-07	6.97E-08	1.85E-07
1127	563378.38	4234522.12	9.91E-07	8.16E-07	1.81E-06	1.68E-07	1.31E-07	2.99E-07	8.00E-07	5.99E-07	1.40E-06	1.31E-07	1.16E-07	2.47E-07	9.78E-08	5.93E-08	1.57E-07
1128	563382.46	4234532.16	9.67E-07	7.96E-07	1.76E-06	1.64E-07	1.28E-07	2.92E-07	7.80E-07	5.84E-07	1.36E-06	1.28E-07	1.13E-07	2.41E-07	9.55E-08	5.79E-08	1.53E-07
1129	563386.55	4234542.2	9.47E-07	7.80E-07	1.73E-06	1.61E-07	1.25E-07	2.86E-07	7.65E-07	5.72E-07	1.34E-06	1.25E-07	1.11E-07	2.36E-07	9.35E-08	5.67E-08	1.50E-07
1130	563390.64	4234552.23	9.35E-07	7.70E-07	1.70E-06	1.59E-07	1.23E-07	2.82E-07	7.55E-07	5.65E-07	1.32E-06	1.24E-07	1.10E-07	2.33E-07	9.23E-08	5.59E-08	1.48E-07
1131	563394.73	4234562.27	9.29E-07	7.65E-07	1.69E-06	1.58E-07	1.23E-07	2.80E-07	7.50E-07	5.61E-07	1.31E-06	1.23E-07	1.09E-07	2.32E-07	9.17E-08	5.56E-08	1.47E-07
1132	563398.81	4234572.31	9.27E-07	7.64E-07	1.69E-06	1.57E-07	1.22E-07	2.80E-07	7.49E-07	5.60E-07	1.31E-06	1.23E-07	1.09E-07	2.31E-07	9.16E-08	5.55E-08	1.47E-07
1133	563402.9	4234582.35	9.30E-07	7.66E-07	1.70E-06	1.58E-07	1.23E-07	2.81E-07	7.51E-07	5.62E-07	1.31E-06	1.23E-07	1.09E-07	2.32E-07	9.19E-08	5.57E-08	1.48E-07
1134	563406.99	4234592.38	9.38E-07	7.73E-07	1.71E-06	1.59E-07	1.24E-07	2.83E-07	7.57E-07	5.67E-07	1.32E-06	1.24E-07	1.10E-07	2.34E-07	9.26E-08	5.61E-08	1.49E-07
1135	563411.08	4234602.42	9.49E-07	7.82E-07	1.73E-06	1.61E-07	1.25E-07	2.86E-07	7.66E-07	5.74E-07	1.34E-06	1.26E-07	1.11E-07	2.37E-07	9.37E-08	5.68E-08	1.51E-07
1136	563415.16	4234612.46	9.63E-07	7.93E-07	1.76E-06	1.63E-07	1.27E-07	2.90E-07	7.77E-07	5.82E-07	1.36E-06	1.27E-07	1.13E-07	2.40E-07	9.51E-08	5.76E-08	1.53E-07
1137	563372.5	4234513.08	1.03E-06	8.51E-07	1.88E-06	1.75E-07	1.36E-07	3.12E-07	8.34E-07	6.24E-07	1.46E-06	1.37E-07	1.21E-07	2.58E-07	1.02E-07	6.18E-08	1.64E-07
1138	563392.91	4234508.45	8.92E-07	7.35E-07	1.63E-06	1.51E-07	1.18E-07	2.69E-07	7.21E-07	5.39E-07	1.26E-06	1.18E-07	1.05E-07	2.23E-07	8.81E-08	5.34E-08	1.42E-07
1139	563397.09	4234518.73	8.70E-07	7.17E-07	1.59E-06	1.48E-07	1.15E-07	2.63E-07	7.03E-07	5.26E-07	1.23E-06	1.15E-07	1.02E-07	2.17E-07	8.59E-08	5.21E-08	1.38E-07
1140	563401.28	4234529.01	8.50E-07	7.00E-07	1.55E-06	1.44E-07	1.12E-07	2.57E-07	6.86E-07	5.14E-07	1.20E-06	1.12E-07	9.96E-08	2.12E-07	8.40E-08	5.09E-08	1.35E-07
1141	563405.46	4234539.29	8.37E-07	6.90E-07	1.53E-06	1.42E-07	1.11E-07	2.53E-07	6.76E-07	5.06E-07	1.18E-06	1.11E-07	9.81E-08	2.09E-07	8.27E-08	5.01E-08	1.33E-07
1142	563409.65	4234549.57	8.31E-07	6.84E-07	1.52E-06	1.41E-07	1.10E-07	2.51E-07	6.71E-07	5.02E-07	1.17E-06	1.10E-07	9.74E-08	2.07E-07	8.20E-08	4.97E-08	1.32E-07
1143	563413.84	4234559.85	8.28E-07	6.82E-07	1.51E-06	1.41E-07	1.09E-07	2.50E-07	6.69E-07	5.01E-07	1.17E-06	1.10E-07	9.71E-08	2.07E-07	8.18E-08	4.96E-08	1.31E-07
1144	563418.02	4234570.13	8.28E-07	6.83E-07	1.51E-06	1.41E-07	1.09E-07	2.50E-07	6.69E-07	5.01E-07	1.17E-06	1.10E-07	9.71E-08	2.07E-07	8.18E-08	4.96E-08	1.31E-07
1145	563422.21	4234580.41	8.34E-07	6.87E-07	1.52E-06	1.42E-07	1.10E-07	2.52E-07	6.73E-07	5.04E-07	1.18E-06	1.10E-07	9.77E-08	2.08E-07	8.24E-08	4.99E-08	1.32E-07
1146	563426.4	4234590.69	8.48E-07	6.98E-07	1.55E-06	1.44E-07	1.12E-07	2.56E-07	6.85E-07	5.12E-07	1.20E-06	1.12E-07	9.94E-08	2.11E-07	8.37E-08	5.07E-08	1.34E-07
1147	563430.58	4234600.97	8.63E-07	7.11E-07	1.57E-06	1.47E-07	1.14E-07	2.61E-07	6.97E-07	5.22E-07	1.22E-06	1.14E-07	1.01E-07	2.15E-07	8.53E-08	5.17E-08	1.37E-07
1148	563434.77	4234611.25	8.76E-07	7.22E-07	1.60E-06	1.49E-07	1.16E-07	2.64E-07	7.08E-07	5.30E-07	1.24E-06	1.16E-07	1.03E-07	2.19E-07	8.65E-08	5.25E-08	1.39E-07
1149	563386.98	4234499.29	9.29E-07	7.66E-07	1.69E-06	1.58E-07	1.23E-07	2.80E-07	7.50E-07	5.62E-07	1.31E-06	1.23E-07	1.09E-07	2.32E-07	9.18E-08	5.56E-08	1.47E-07
1150	563407.36	4234494.59	8.02E-07	6.61E-07	1.46E-06	1.36E-07	1.06E-07	2.42E-07	6.48E-07	4.85E-07	1.13E-06	1.06E-07	9.40E-08	2.00E-07	7.92E-08	4.80E-08	1.27E-07
1151	563411.5	4234504.76	7.83E-07	6.45E-07	1.43E-06	1.33E-07	1.03E-07	2.36E-07	6.32E-07	4.73E-07	1.11E-06	1.04E-07	9.18E-08	1.95E-07	7.73E-08	4.69E-08	1.24E-07
1152	563415.64	4234514.92	7.68E-07	6.33E-07	1.40E-06	1.30E-07	1.01E-07	2.32E-07	6.20E-07	4.64E-07	1.08E-06	1.02E-07	9.00E-08	1.92E-07	7.59E-08	4.60E-08	1.22E-07
1153	563419.78	4234525.08	7.57E-07	6.24E-07	1.38E-06	1.28E-07	1.00E-07	2.28E-07	6.11E-07	4.58E-07	1.07E-06	1.00E-07	8.87E-08	1.89E-07	7.48E-08	4.53E-08	1.20E-07
1154	563423.92	4234535.24	7.52E-07	6.20E-07	1.37E-06	1.28E-07	9.94E-08	2.27E-07	6.07E-07	4.55E-07	1.06E-06	9.95E-08	8.82E-08	1.88E-07	7.43E-08	4.50E-08	1.19E-07
1155	563428.06	4234545.41	7.53E-07	6.21E-07	1.37E-06	1.28E-07	9.95E-08	2.27E-07	6.08E-07	4.55E-07	1.06E-06	9.96E-08	8.83E-08	1.88E-07	7.44E-08	4.51E-08	1.19E-07
1156	563432.19	4234555.57	7.53E-07	6.20E-07	1.37E-06	1.28E-07	9.94E-08	2.27E-07	6.08E-07	4.55E-07	1.06E-06	9.95E-08	8.82E-08	1.88E-07	7.43E-08	4.50E-08	1.19E-07
1157	563436.33	4234565.73	7.55E-07	6.22E-07	1.38E-06	1.28E-07	9.97E-08	2.28E-07	6.10E-07	4.56E-07	1.07E-06	9.98E-08	8.85E-08	1.88E-07	7.46E-08	4.52E-08	1.20E-07
1158	563401.46	4234485.49	8.36E-07	6.89E-07	1.53E-06	1.42E-07	1.10E-07	2.52E-07	6.75E-07	5.06E-07	1.18E-06	1.11E-07	9.80E-08	2.09E-07	8.26E-08	5.01E-08	1.33E-07
1159	563421.82	4234480.75	7.26E-07	5.98E-07	1.32E-06	1.23E-07	9.59E-08	2.19E-07	5.86E-07	4.39E-07	1.03E-06	9.60E-08	8.51E-08	1.81E-07	7.17E-08	4.35E-08	1.15E-07
1160	563425.92	4234490.81	7.10E-07	5.85E-07	1.29E-06	1.20E-07	9.37E-08	2.14E-07	5.73E-07	4.29E-07	1.00E-06	9.38E-08	8.32E-08	1.77E-07	7.01E-08	4.25E-08	1.13E-07
1161	563430.02	4234500.88	7.00E-07	5.76E-07	1.28E-06	1.19E-07	9.24E-08	2.11E-07	5.65E-07	4.23E-07	9.88E-07	9.25E-08	8.20E-08	1.75E-07	6.91E-08	4.19E-08	1.11E-07
1162	563434.12	4234510.95	6.96E-07	5.73E-07	1.27E-06	1.18E-07	9.19E-08	2.10E-07	5.62E-07	4.20E-07	9.82E-07	9.20E-08	8.15E-08	1.74E-07	6.87E-08	4.16E-08	1.10E-07
1163	563438.22	4234521.01	6.95E-07	5.73E-07	1.27E-06	1.18E-07	9.18E-08	2.10E-07	5.61E-07	4.20E-07	9.81E-07	9.19E-08	8.15E-08	1.73E-07	6.87E-08	4.16E-08	1.10E-07
1164	563442.32	4234531.08	6.94E-07	5.72E-07	1.27E-06	1.18E-07	9.17E-08	2.10E-07	5.61E-07	4.20E-07	9.80E-07	9.18E-08	8.14E-08	1.73E-07	6.86E-08	4.16E-08	1.10E-07
1165	563415.94	4234471.69	7.56E-07	6.23E-07	1.38E-06	1.28E-07	9.99E-08	2.28E-07	6.11E-07	4.57E-07	1.07E-06	1.00E-07	8.86E-08	1.89E-07	7.47E-08	4.53E-08	1.20E-07
1166	563436.34	4234467.05	6.68E-07	5.50E-07	1.22E-06	1.13E-07	8.82E-08	2.01E-07	5.39E-07	4.03E-07	9.42E-07	8.83E-08	7.82E-08	1.66E-07	6.59E-08	4.00E-08	1.06E-07
1167	563440.52	4234477.3	6.53E-07	5.38E-07	1.19E-06	1.11E-07	8.63E-08	1.97E-07	5.27E-07	3.95E-07	9.22E-07	8.64E-08	7.65E-08	1.63E-07	6.45E-08	3.91E-08	1.04E-07
1168	563444.69	4234487.56	6.43E-07	5.30E-07	1.17E-06	1.09E-07	8.49E-08	1.94E-07	5.19E-07	3.89E-07	9.08E-07	8.50E-08	7.53E-08	1.60E-07	6.35E-08	3.85E-08	1.02E-07
1169	563486.45	4234590.1	6.82E-07	5.62E-07	1.24E-06	1.16E-07	9.01E-08	2.06E-07	5.51E-07	4.12E-07	9.63E-07	9.02E-08	7.99E-08	1.70E-07	6.73E-08	4.08E-08	1.08E-07
1170	563490.63	4234600.36	6.89E-07	5.68E-07	1.26E-06	1.17E-07	9.11E-08	2.08E-07	5.57E-07	4.17E-07	9.73E-07	9.12E-08	8.08E-08	1.72E-07	6.81E-08	4.13E-08	1.09E-07
1171	563494.8	4234610.61	7.01E-07	5.77E-07	1.28E-06	1.19E-07	9.25E-08	2.11E-07	5.66E-07	4.23E-07	9.89E-07	9.27E-08	8.21E-08	1.75E-07	6.92E-08	4.19E-08	1.11E-07
1172	563498.98	4234620.87	7.16E-07	5.90E-07	1.31E-06	1.21E-07	9.46E-08	2.16E-07	5.78E-07	4.33E-07	1.01E-06	9.47E-08	8.39E-08	1.79E-07	7.07E-08	4.29E-08	1.14E-07
1173	563430.42	4234457.9	6.92E-07	5.70E-07	1.26E-06	1.17E-07	9.14E-08	2.09E-07	5.59E-07	4.18E-07	9.77E-07	9.15E-08	8.11E-08	1.73E-07	6.83E-08	4.14E-08	1.10E-07
1174	563488.05	4234544.67	6.47E-07	5.33E-07	1.18E-06	1.10E-07	8.54E-08	1.95E-07	5.22E-07	3.91E-07	9.13E-07	8.55E-08	7.58E-08	1.61E-07	6.38E-08	3.87E-08	1.03E-07
1175	563492.19	4234554.84	6.44E-07	5.31E-07	1.17E-06	1.09E-07	8.51E-08	1.94E-07	5.20E-07	3.89E-07	9.09E-07	8.52E-08	7.55E-08	1.61E-07	6.36E-08	3.86E-08	1.02E-07
1176	563496.33	4234565	6.42E-07	5.29E-07	1.17E-06	1.09E-07	8.48E-08	1.94E-07	5.19E-07	3.88E-07	9.07E-07	8.49E-08	7.53E-08	1.60E-07	6.34E-08	3.84E-08	1.02E-07
1177	563500.47	4234575.16	6.44E-07	5.30E-07	1.17E-06	1.09E-07	8.50E-08	1.94E-07	5.20E-07	3.89E-07	9.09E-07	8.52E-08	7.55E-08	1.61E-07	6.36E-08	3.85E-08	1.02E-07
1178	563504.61	4234585.32	6.50E-07	5.36E-07	1.19E-06	1.10E-07	8.59E-08	1.96E-07	5.25E-07	3.93E-07	9.18E-07	8.60E-08	7.62E-08	1.62E-07	6.42E-08	3.89E-08	1.03E-07
1179	563508.74	4234595.49	6.57E-07	5.41E-07	1.20E-06	1.12E-07	8.68E-08	1.98E-07	5.31E-07	3.97E-07	9.28E-07	8.69E-08	7.70E-08	1.64E-07	6.49E-08	3.93E-08	1.04E-07
1180	563512.88	4234605.65	6.63E-07	5.46E-07	1.21E-06	1.12E-07	8.76E-08	2.00E-07	5.35E-07	4.01E-07	9.36E-07	8.77E-08	7.77E-08	1.65E-07	6.55E-08	3.97E-08	1.05E-07
1181	563517.02	4234615.81	6.75E-07	5.56E-07	1.23E-06	1.14E-07	8.91E-08	2.04E-07	5.45E-07	4.08E-07	9.53E-07	8.92E-08	7.91E-08	1.68E-07	6.66E-08	4.04E-08	1.07E-07
1182	563521.16	4234625.98	6.85E-07	5.64E-07	1.25E-06	1.16E-07	9.05E-08	2.07E-07	5.53E-07	4.14E-07	9.67E-07	9.06E-08	8.03E-08	1.71E-07	6.77E-08	4.10E-08	1.09E-07
1183	563444.9	4234444.1	6.41E-07	5.28E-07	1.17E-06	1.09E-07	8.47E-08	1.94E-07	5.18E-07	3.88E-07	9.06E-07	8.48E-08	7.52E-08	1.60E-07	6.34E-08	3.84E-08	1.02E-07
1184	563496.46	4234466.6	4.99E-07	4.11E-07	9.11E-07	8.47E-08	6.59E-08	1.51E-07	4.03E-07	3.02E-07	7.05E-07	6.60E-08	5.85E-08	1.25E-07	4.93E-08	2.99E-08	7.92E-08
1185	563500.62	4234476.84	5.10E-07	4.20E-07	9.30E-07	8.66E-08	6.74E-08	1.54E-07	4.12E-07	3.08E-07	7.20E-07	6.75E-08	5.98E-08	1.27E-07	5.04E-08	3.05E-08	8.09E-08
1186	563504.79	4234487.08	5.24E-07	4.32E-07	9.56E-07	8.89E-08	6.92E-08	1.58E-07	4.23E-07	3.17E-07	7.40E-07	6.93E-08	6.14E-08	1.31E-07	5.18E-08	3.14E-08	8.31E-08
1187	563525.64	4234538.27	5.69E-07	4.69E-07	1.04E-06	9.65E-08	7.51E-08	1.72E-07	4.59E-07	3.44E-07	8.03E-07	7.52E-08	6.67E-08	1.42E-07	5.62E-08	3.40E-08	9.02E-08
1188	563529.81	4234548.51	5.85E-07	4.82E-07	1.07E-06	9.92E-08	7.72E-08	1.76E-07	4.72E-07	3.53E-07	8.25E-07	7.73E-08	6.85E-08	1.46E-07	5.77E-08	3.50E-08	9.27E-08
1189	563533.98	4234558.75	5.93E-07	4.89E-07	1.08E-06	1.01E-07	7.83E-08	1.79E-07	4.79E-07	3.59E-07	8.37E-07	7.84E-08	6.95E-08	1.48E-07	5.86E-08	3.55E-08	9.41E-08
1190	563538.15	4234568.99	6.01E-07	4.95E-07	1.10E-06	1.02E-07	7.94E-08	1.81E-07	4.86E-07	3.63E-07	8.49E-07	7.95E-08	7.05E-08	1.50E-07	5.94E-08	3.60E-08	9.54E-08
1191	563542.32	4234579.23	6.08E-07	5.01E-07	1.11E-06	1.03E-07	8.04E-08	1.84E-07	4.91E-07	3.68E-07	8.59E-07	8.05E-08	7.13E-08	1.52E-07	6.01E-08	3.64E-08	9.65E-08
1192	563546.49	4234589.46	6.16E-07	5.07E-07	1.12E-06	1.04E-07	8.13E-08	1.86E-07	4.97E-07	3.72E-07	8.69E-07	8.14E-08	7.21E-08	1.54E-07	6.08E-08	3.68E-08	9.76E-08
1193	563550.66	4234599.7	6.24E-07	5.14E-07	1.14E-06	1.06E-07	8.24E-08	1.88E-07	5.04E-07	3.77E-07	8.81E-07	8.25E-08	7.31E-08	1.56E-07	6.16E-08	3.74E-08	9.90E-08
1194	563554.83	4234609.94	6.34E-07	5.23E-07	1.16E-06	1.08E-07	8.38E-08	1.91E-07	5.12E-07	3.83E-07	8.96E-07	8.39E-08	7.43E-08	1.58E-07	6.26E-08	3.80E-08	1.01E-07
1195	563559	4234620.18	6.43E-07	5.30E-07	1.17E-06	1.09E-07	8.49E-08	1.94E-07	5.19E-07	3.88E-07	9.08E-07	8.50E-08	7.53E-08	1.60E-07	6.35E-08	3.85E-08	1.02E-07
1196	563508.71	4234397.99	4.55E-07	3.75E-07	8.30E-07	7.72E-08	6.01E-08	1.37E-07	3.67E-07	2.75E-07	6.42E-07	6.02E-08	5.33E-08	1.13E-07	4.49E-08	2.72E-08	7.22E-08
1197	563512.82	4234408.08	4.43E-07	3.65E-07	8.08E-07	7.51E-08	5.85E-08	1.34E-07	3.58E-07	2.68E-07	6.25E-07	5.86E-08	5.19E-08	1.10E-07	4.37E-08	2.65E-08	7.02E-08
1198	563516.93	4234418.18	4.34E-07	3.58E-07	7.92E-07	7.37E-08	5.73E-08	1.31E-07	3.51E-07	2.62E-07	6.13E-07	5.74E-08	5.09E-08	1.08E-07	4.29E-08	2.60E-08	6.89E-08
1199	563521.04	4234428.28	4.28E-07	3.53E-07	7.81E-07	7.26E-08	5.65E-08	1.29E-07	3.46E-07	2.59E-07	6.04E-07	5.66E-08	5.02E-08	1.07E-07	4.23E-08	2.56E-08	6.79E-08
1200	563525.16	4234438.37	4.24E-07	3.49E-07	7.73E-07	7.20E-08	5.60E-08	1.28E-07	3.42E-07	2.56E-07	5.99E-07	5.61E-08	4.97E-08	1.06E-07	4.19E-08	2.54E-08	6.73E-08
1201	563529.27	4234448.47	4.23E-07	3.48E-07	7.71E-07	7.17E-08	5.58E-08	1.28E-07	3.41E-07	2.55E-07	5.97E-07	5.59E-08	4.95E-08	1.05E-07	4.17E-08	2.53E-08	6.70E-08
1202	563533.38	4234458.57	4.25E-07	3.50E-07	7.76E-07	7.22E-08	5.62E-08	1.28E-07	3.43E-07	2.57E-07	6.01E-07	5.63E-08	4.99E-08	1.06E-07	4.20E-08	2.55E-08	6.75E-08
1203	563537.49	4234468.66	4.35E-07	3.59E-07	7.94E-07	7.39E-08	5.75E-08	1.31E-07	3.52E-07	2.63E-07	6.15E-07	5.76E-08	5.10E-08	1.09E-07	4.30E-08	2.61E-08	6.91E-08
1204	563541.6	4234478.76	4.47E-07	3.68E-07	8.15E-07	7.58E-08	5.90E-08	1.35E-07	3.61E-07	2.70E-07	6.31E-07	5.91E-08	5.24E-08	1.11E-07	4.41E-08	2.67E-08	7.09E-08
1205	563545.71	4234488.86	4.58E-07	3.77E-07	8.34E-07	7.76E-08	6.04E-08	1.38E-07	3.69E-07	2.76E-07	6.46E-07	6.05E-08	5.36E-08	1.14E-07	4.52E-08	2.74E-08	7.26E-08

1206	563566.27	4234539.34	5.18E-07	4.27E-07	9.45E-07	8.80E-08	6.85E-08	1.56E-07	4.19E-07	3.13E-07	7.32E-07	6.86E-08	6.07E-08	1.29E-07	5.12E-08	3.10E-08	8.22E-08
1207	563570.38	4234549.44	5.30E-07	4.37E-07	9.67E-07	8.99E-08	7.00E-08	1.60E-07	4.28E-07	3.20E-07	7.48E-07	7.01E-08	6.21E-08	1.32E-07	5.23E-08	3.17E-08	8.41E-08
1208	563574.5	4234559.54	5.42E-07	4.46E-07	9.88E-07	9.19E-08	7.15E-08	1.63E-07	4.37E-07	3.27E-07	7.65E-07	7.16E-08	6.35E-08	1.35E-07	5.35E-08	3.24E-08	8.59E-08
1209	563578.61	4234569.63	5.53E-07	4.55E-07	1.01E-06	9.38E-08	7.30E-08	1.67E-07	4.46E-07	3.34E-07	7.80E-07	7.31E-08	6.48E-08	1.38E-07	5.46E-08	3.31E-08	8.77E-08
1210	563582.72	4234579.73	5.63E-07	4.64E-07	1.03E-06	9.55E-08	7.44E-08	1.70E-07	4.55E-07	3.40E-07	7.95E-07	7.45E-08	6.60E-08	1.40E-07	5.56E-08	3.37E-08	8.93E-08
1211	563586.83	4234589.83	5.72E-07	4.71E-07	1.04E-06	9.71E-08	7.56E-08	1.73E-07	4.62E-07	3.46E-07	8.08E-07	7.57E-08	6.70E-08	1.43E-07	5.65E-08	3.42E-08	9.07E-08
1212	563590.94	4234599.92	5.79E-07	4.77E-07	1.06E-06	9.82E-08	7.65E-08	1.75E-07	4.67E-07	3.50E-07	8.17E-07	7.66E-08	6.78E-08	1.44E-07	5.72E-08	3.47E-08	9.18E-08
1213	563595.05	4234610.02	5.84E-07	4.81E-07	1.07E-06	9.92E-08	7.72E-08	1.76E-07	4.72E-07	3.53E-07	8.25E-07	7.73E-08	6.85E-08	1.46E-07	5.77E-08	3.50E-08	9.27E-08
1214	563599.17	4234620.12	5.89E-07	4.86E-07	1.07E-06	1.00E-07	7.78E-08	1.78E-07	4.76E-07	3.56E-07	8.32E-07	7.79E-08	6.91E-08	1.47E-07	5.82E-08	3.53E-08	9.35E-08
1215	563502.82	4234388.92	4.73E-07	3.90E-07	8.63E-07	8.03E-08	6.25E-08	1.43E-07	3.82E-07	2.86E-07	6.68E-07	6.26E-08	5.54E-08	1.18E-07	4.67E-08	2.83E-08	7.50E-08
1216	563537.68	4234370.43	4.19E-07	3.46E-07	7.65E-07	7.12E-08	5.54E-08	1.27E-07	3.39E-07	2.53E-07	5.92E-07	5.55E-08	4.91E-08	1.05E-07	4.14E-08	2.51E-08	6.65E-08
1217	563541.82	4234380.59	4.07E-07	3.35E-07	7.42E-07	6.90E-08	5.37E-08	1.23E-07	3.28E-07	2.46E-07	5.74E-07	5.38E-08	4.77E-08	1.01E-07	4.02E-08	2.43E-08	6.45E-08
1218	563545.96	4234390.76	3.95E-07	3.25E-07	7.21E-07	6.70E-08	5.22E-08	1.19E-07	3.19E-07	2.39E-07	5.58E-07	5.22E-08	4.63E-08	9.85E-08	3.90E-08	2.36E-08	6.27E-08
1219	563550.1	4234400.92	3.88E-07	3.20E-07	7.08E-07	6.59E-08	5.13E-08	1.17E-07	3.14E-07	2.35E-07	5.48E-07	5.13E-08	4.55E-08	9.69E-08	3.83E-08	2.32E-08	6.16E-08
1220	563554.24	4234411.08	3.84E-07	3.17E-07	7.01E-07	6.52E-08	5.07E-08	1.16E-07	3.10E-07	2.32E-07	5.42E-07	5.08E-08	4.50E-08	9.58E-08	3.79E-08	2.30E-08	6.09E-08
1221	563558.38	4234421.25	3.81E-07	3.14E-07	6.95E-07	6.46E-08	5.03E-08	1.15E-07	3.08E-07	2.30E-07	5.38E-07	5.04E-08	4.46E-08	9.50E-08	3.76E-08	2.28E-08	6.04E-08
1222	563562.52	4234431.41	3.79E-07	3.12E-07	6.91E-07	6.42E-08	5.00E-08	1.14E-07	3.06E-07	2.29E-07	5.35E-07	5.01E-08	4.44E-08	9.44E-08	3.74E-08	2.27E-08	6.01E-08
1223	563566.65	4234441.57	3.77E-07	3.11E-07	6.88E-07	6.40E-08	4.98E-08	1.14E-07	3.05E-07	2.28E-07	5.33E-07	4.99E-08	4.42E-08	9.41E-08	3.73E-08	2.26E-08	5.98E-08
1224	563570.79	4234451.73	3.77E-07	3.11E-07	6.87E-07	6.40E-08	4.98E-08	1.14E-07	3.04E-07	2.28E-07	5.32E-07	4.98E-08	4.42E-08	9.40E-08	3.72E-08	2.26E-08	5.98E-08
1225	563574.93	4234461.9	3.83E-07	3.15E-07	6.98E-07	6.49E-08	5.05E-08	1.15E-07	3.09E-07	2.31E-07	5.40E-07	5.06E-08	4.48E-08	9.54E-08	3.78E-08	2.29E-08	6.07E-08
1226	563579.07	4234472.06	3.93E-07	3.24E-07	7.17E-07	6.67E-08	5.19E-08	1.19E-07	3.17E-07	2.38E-07	5.55E-07	5.20E-08	4.61E-08	9.81E-08	3.88E-08	2.35E-08	6.24E-08
1227	563583.21	4234482.22	4.03E-07	3.32E-07	7.34E-07	6.83E-08	5.32E-08	1.21E-07	3.25E-07	2.43E-07	5.68E-07	5.32E-08	4.72E-08	1.00E-07	3.98E-08	2.41E-08	6.39E-08
1228	563603.9	4234533.04	4.66E-07	3.84E-07	8.50E-07	7.91E-08	6.16E-08	1.41E-07	3.76E-07	2.82E-07	6.58E-07	6.17E-08	5.46E-08	1.16E-07	4.60E-08	2.79E-08	7.40E-08
1229	563608.04	4234543.2	4.77E-07	3.93E-07	8.70E-07	8.10E-08	6.30E-08	1.44E-07	3.85E-07	2.88E-07	6.74E-07	6.31E-08	5.59E-08	1.19E-07	4.71E-08	2.86E-08	7.57E-08
1230	563612.18	4234553.37	4.87E-07	4.01E-07	8.89E-07	8.27E-08	6.44E-08	1.47E-07	3.93E-07	2.94E-07	6.88E-07	6.44E-08	5.71E-08	1.22E-07	4.81E-08	2.92E-08	7.73E-08
1231	563616.32	4234563.53	4.96E-07	4.09E-07	9.05E-07	8.42E-08	6.56E-08	1.50E-07	4.01E-07	3.00E-07	7.01E-07	6.57E-08	5.82E-08	1.24E-07	4.90E-08	2.97E-08	7.87E-08
1232	563620.46	4234573.69	5.04E-07	4.16E-07	9.20E-07	8.56E-08	6.66E-08	1.52E-07	4.07E-07	3.05E-07	7.12E-07	6.67E-08	5.91E-08	1.26E-07	4.98E-08	3.02E-08	8.00E-08
1233	563624.6	4234583.86	5.11E-07	4.21E-07	9.32E-07	8.67E-08	6.75E-08	1.54E-07	4.13E-07	3.09E-07	7.22E-07	6.76E-08	5.99E-08	1.27E-07	5.05E-08	3.06E-08	8.11E-08
1234	563628.74	4234594.02	5.17E-07	4.26E-07	9.43E-07	8.77E-08	6.83E-08	1.56E-07	4.17E-07	3.12E-07	7.30E-07	6.83E-08	6.06E-08	1.29E-07	5.10E-08	3.09E-08	8.20E-08
1235	563632.87	4234604.18	5.21E-07	4.30E-07	9.51E-07	8.85E-08	6.89E-08	1.57E-07	4.21E-07	3.15E-07	7.36E-07	6.89E-08	6.11E-08	1.30E-07	5.15E-08	3.12E-08	8.27E-08
1236	563637.01	4234614.34	5.24E-07	4.32E-07	9.56E-07	8.90E-08	6.93E-08	1.58E-07	4.23E-07	3.17E-07	7.40E-07	6.93E-08	6.15E-08	1.31E-07	5.18E-08	3.14E-08	8.32E-08
1237	563641.15	4234624.51	5.25E-07	4.33E-07	9.58E-07	8.91E-08	6.94E-08	1.59E-07	4.24E-07	3.18E-07	7.42E-07	6.95E-08	6.16E-08	1.31E-07	5.19E-08	3.14E-08	8.33E-08
1238	563531.78	4234361.33	4.31E-07	3.55E-07	7.86E-07	7.32E-08	5.69E-08	1.30E-07	3.48E-07	2.61E-07	6.09E-07	5.70E-08	5.05E-08	1.08E-07	4.26E-08	2.58E-08	6.84E-08
1239	563566.66	4234342.87	3.89E-07	3.21E-07	7.10E-07	6.61E-08	5.14E-08	1.17E-07	3.14E-07	2.35E-07	5.50E-07	5.15E-08	4.56E-08	9.71E-08	3.84E-08	2.33E-08	6.18E-08
1240	563570.82	4234353.08	3.77E-07	3.11E-07	6.88E-07	6.40E-08	4.98E-08	1.14E-07	3.05E-07	2.28E-07	5.33E-07	4.99E-08	4.42E-08	9.41E-08	3.73E-08	2.26E-08	5.99E-08
1241	563574.98	4234363.3	3.67E-07	3.02E-07	6.69E-07	6.23E-08	4.85E-08	1.11E-07	2.96E-07	2.22E-07	5.18E-07	4.85E-08	4.30E-08	9.15E-08	3.62E-08	2.20E-08	5.82E-08
1242	563579.14	4234373.52	3.58E-07	2.95E-07	6.53E-07	6.08E-08	4.73E-08	1.08E-07	2.89E-07	2.16E-07	5.06E-07	4.74E-08	4.20E-08	8.93E-08	3.54E-08	2.14E-08	5.68E-08
1243	563583.3	4234383.74	3.51E-07	2.89E-07	6.40E-07	5.96E-08	4.64E-08	1.06E-07	2.83E-07	2.12E-07	4.96E-07	4.64E-08	4.11E-08	8.76E-08	3.47E-08	2.10E-08	5.57E-08
1244	563587.46	4234393.96	3.46E-07	2.85E-07	6.31E-07	5.87E-08	4.57E-08	1.04E-07	2.79E-07	2.09E-07	4.88E-07	4.57E-08	4.05E-08	8.63E-08	3.42E-08	2.07E-08	5.49E-08
1245	563591.62	4234404.18	3.43E-07	2.83E-07	6.26E-07	5.83E-08	4.54E-08	1.04E-07	2.77E-07	2.08E-07	4.85E-07	4.54E-08	4.02E-08	8.56E-08	3.39E-08	2.06E-08	5.45E-08
1246	563595.78	4234414.4	3.43E-07	2.83E-07	6.26E-07	5.82E-08	4.53E-08	1.04E-07	2.77E-07	2.07E-07	4.84E-07	4.54E-08	4.02E-08	8.56E-08	3.39E-08	2.05E-08	5.44E-08
1247	563599.95	4234424.62	3.45E-07	2.84E-07	6.28E-07	5.85E-08	4.55E-08	1.04E-07	2.78E-07	2.08E-07	4.86E-07	4.56E-08	4.04E-08	8.59E-08	3.40E-08	2.06E-08	5.46E-08
1248	563604.11	4234434.83	3.48E-07	2.87E-07	6.35E-07	5.90E-08	4.59E-08	1.05E-07	2.81E-07	2.10E-07	4.91E-07	4.60E-08	4.08E-08	8.68E-08	3.44E-08	2.08E-08	5.52E-08
1249	563608.27	4234445.05	3.51E-07	2.89E-07	6.40E-07	5.95E-08	4.63E-08	1.06E-07	2.83E-07	2.12E-07	4.95E-07	4.64E-08	4.11E-08	8.75E-08	3.46E-08	2.10E-08	5.56E-08
1250	563612.43	4234455.27	3.54E-07	2.92E-07	6.45E-07	6.00E-08	4.67E-08	1.07E-07	2.86E-07	2.14E-07	5.00E-07	4.68E-08	4.15E-08	8.83E-08	3.49E-08	2.12E-08	5.61E-08
1251	563616.59	4234465.49	3.59E-07	2.96E-07	6.55E-07	6.10E-08	4.75E-08	1.08E-07	2.90E-07	2.17E-07	5.07E-07	4.75E-08	4.21E-08	8.96E-08	3.55E-08	2.15E-08	5.70E-08
1252	563620.75	4234475.71	3.67E-07	3.02E-07	6.69E-07	6.22E-08	4.84E-08	1.11E-07	2.96E-07	2.22E-07	5.18E-07	4.85E-08	4.30E-08	9.15E-08	3.62E-08	2.19E-08	5.82E-08
1253	563624.91	4234485.93	3.76E-07	3.10E-07	6.85E-07	6.37E-08	4.96E-08	1.13E-07	3.03E-07	2.27E-07	5.30E-07	4.97E-08	4.40E-08	9.37E-08	3.71E-08	2.25E-08	5.96E-08
1254	563645.72	4234537.02	4.34E-07	3.57E-07	7.91E-07	7.36E-08	5.73E-08	1.31E-07	3.50E-07	2.62E-07	6.13E-07	5.74E-08	5.08E-08	1.08E-07	4.29E-08	2.60E-08	6.88E-08
1255	563649.88	4234547.24	4.43E-07	3.65E-07	8.07E-07	7.51E-08	5.85E-08	1.34E-07	3.57E-07	2.67E-07	6.25E-07	5.85E-08	5.19E-08	1.10E-07	4.37E-08	2.65E-08	7.02E-08
1256	563654.04	4234557.46	4.51E-07	3.71E-07	8.22E-07	7.65E-08	5.95E-08	1.36E-07	3.64E-07	2.72E-07	6.36E-07	5.96E-08	5.28E-08	1.12E-07	4.45E-08	2.70E-08	7.15E-08
1257	563658.2	4234567.68	4.58E-07	3.78E-07	8.36E-07	7.78E-08	6.05E-08	1.38E-07	3.70E-07	2.77E-07	6.47E-07	6.06E-08	5.37E-08	1.14E-07	4.53E-08	2.74E-08	7.27E-08
1258	563662.37	4234577.89	4.65E-07	3.83E-07	8.48E-07	7.89E-08	6.14E-08	1.40E-07	3.75E-07	2.81E-07	6.56E-07	6.15E-08	5.45E-08	1.16E-07	4.59E-08	2.78E-08	7.37E-08
1259	563666.53	4234588.11	4.69E-07	3.87E-07	8.56E-07	7.97E-08	6.20E-08	1.42E-07	3.79E-07	2.84E-07	6.63E-07	6.21E-08	5.50E-08	1.17E-07	4.64E-08	2.81E-08	7.45E-08
1260	563670.69	4234598.33	4.72E-07	3.89E-07	8.61E-07	8.01E-08	6.23E-08	1.42E-07	3.81E-07	2.85E-07	6.66E-07	6.24E-08	5.53E-08	1.18E-07	4.66E-08	2.83E-08	7.49E-08
1261	563674.85	4234608.55	4.73E-07	3.90E-07	8.63E-07	8.03E-08	6.25E-08	1.43E-07	3.82E-07	2.86E-07	6.68E-07	6.26E-08	5.54E-08	1.18E-07	4.67E-08	2.83E-08	7.50E-08
1262	563679.01	4234618.77	4.73E-07	3.90E-07	8.63E-07	8.03E-08	6.25E-08	1.43E-07	3.82E-07	2.86E-07	6.68E-07	6.26E-08	5.55E-08	1.18E-07	4.68E-08	2.83E-08	7.51E-08
1263	563560.74	4234333.74	4.04E-07	3.32E-07	7.36E-07	6.85E-08	5.33E-08	1.22E-07	3.26E-07	2.44E-07	5.70E-07	5.34E-08	4.73E-08	1.01E-07	3.99E-08	2.42E-08	6.40E-08
1264	563595.62	4234315.3	3.45E-07	2.85E-07	6.30E-07	5.86E-08	4.56E-08	1.04E-07	2.79E-07	2.09E-07	4.88E-07	4.57E-08	4.05E-08	8.62E-08	3.41E-08	2.07E-08	5.48E-08
1265	563599.81	4234325.56	3.35E-07	2.76E-07	6.10E-07	5.68E-08	4.42E-08	1.01E-07	2.70E-07	2.02E-07	4.73E-07	4.43E-08	3.92E-08	8.35E-08	3.31E-08	2.00E-08	5.31E-08
1266	563603.99	4234335.83	3.25E-07	2.68E-07	5.93E-07	5.52E-08	4.30E-08	9.82E-08	2.63E-07	1.97E-07	4.59E-07	4.30E-08	3.81E-08	8.11E-08	3.21E-08	1.95E-08	5.16E-08
1267	563608.17	4234346.1	3.17E-07	2.61E-07	5.78E-07	5.38E-08	4.19E-08	9.57E-08	2.56E-07	1.92E-07	4.48E-07	4.19E-08	3.72E-08	7.91E-08	3.13E-08	1.90E-08	5.03E-08
1268	563612.35	4234356.36	3.10E-07	2.55E-07	5.66E-07	5.26E-08	4.10E-08	9.36E-08	2.50E-07	1.87E-07	4.38E-07	4.10E-08	3.63E-08	7.74E-08	3.06E-08	1.86E-08	4.92E-08
1269	563616.53	4234366.63	3.05E-07	2.51E-07	5.56E-07	5.17E-08	4.02E-08	9.19E-08	2.46E-07	1.84E-07	4.30E-07	4.03E-08	3.57E-08	7.60E-08	3.01E-08	1.82E-08	4.83E-08
1270	563620.71	4234376.89	3.02E-07	2.49E-07	5.50E-07	5.12E-08	3.98E-08	9.10E-08	2.44E-07	1.82E-07	4.26E-07	3.99E-08	3.54E-08	7.52E-08	2.98E-08	1.81E-08	4.78E-08
1271	563624.89	4234387.16	3.00E-07	2.48E-07	5.48E-07	5.10E-08	3.97E-08	9.07E-08	2.43E-07	1.82E-07	4.24E-07	3.97E-08	3.52E-08	7.49E-08	2.97E-08	1.80E-08	4.77E-08
1272	563629.07	4234397.42	3.01E-07	2.48E-07	5.49E-07	5.11E-08	3.98E-08	9.08E-08	2.43E-07	1.82E-07	4.25E-07	3.98E-08	3.53E-08	7.51E-08	2.97E-08	1.80E-08	4.77E-08
1273	563633.25	4234407.69	3.04E-07	2.50E-07	5.55E-07	5.16E-08	4.02E-08	9.17E-08	2.45E-07	1.84E-07	4.29E-07	4.02E-08	3.56E-08	7.58E-08	3.00E-08	1.82E-08	4.82E-08
1274	563637.43	4234417.96	3.08E-07	2.54E-07	5.62E-07	5.23E-08	4.07E-08	9.30E-08	2.49E-07	1.86E-07	4.35E-07	4.08E-08	3.61E-08	7.69E-08	3.04E-08	1.85E-08	4.89E-08
1275	563641.61	4234428.22	3.14E-07	2.59E-07	5.72E-07	5.33E-08	4.15E-08	9.47E-08	2.53E-07	1.90E-07	4.43E-07	4.15E-08	3.68E-08	7.83E-08	3.10E-08	1.88E-08	4.98E-08
1276	563645.79	4234438.49	3.21E-07	2.64E-07	5.85E-07	5.44E-08	4.23E-08	9.67E-08	2.59E-07	1.94E-07	4.53E-07	4.24E-08	3.76E-08	8.00E-08	3.17E-08	1.92E-08	5.09E-08
1277	563649.97	4234448.75	3.28E-07	2.70E-07	5.99E-07	5.57E-08	4.33E-08	9.90E-08	2.65E-07	1.98E-07	4.63E-07	4.34E-08	3.85E-08	8.19E-08	3.24E-08	1.96E-08	5.21E-08
1278	563654.15	4234459.02	3.36E-07	2.77E-07	6.14E-07	5.71E-08	4.44E-08	1.02E-07	2.72E-07	2.03E-07	4.75E-07	4.45E-08	3.94E-08	8.39E-08	3.32E-08	2.01E-08	5.34E-08
1279	563658.33	4234469.28	3.44E-07	2.83E-07	6.27E-07	5.84E-08	4.54E-08	1.04E-07	2.78E-07	2.08E-07	4.86E-07	4.55E-08	4.03E-08	8.58E-08	3.40E-08	2.06E-08	5.46E-08
1280	563662.51	4234479.55	3.51E-07	2.89E-07	6.40E-07	5.95E-08	4.63E-08	1.06E-07	2.83E-07	2.12E-07	4.95E-07	4.64E-08	4.11E-08	8.75E-08	3.46E-08	2.10E-08	5.56E-08
1281	563687.6	4234541.14	4.05E-07	3.34E-07	7.38E-07	6.87E-08	5.35E-08	1.22E-07	3.27E-07	2.45E-07	5.72E-07	5.35E-08	4.74E-08	1.01E-07	4.00E-08	2.42E-08	6.42E-08
1282	563691.78	4234551.41	4.12E-07	3.39E-07	7.51E-07	6.99E-08	5.44E-08	1.24E-07	3.33E-07	2.49E-07	5.82E-07	5.45E-08	4.83E-08	1.03E-07	4.07E-08	2.47E-08	6.53E-08
1283	563695.96	4234561.68	4.18E-07	3.45E-07	7.63E-07	7.10E-08	5.52E-08	1.26E-07	3.38E-07	2.53E-07	5.90E-07	5.53E-08	4.90E-08	1.04E-07	4.13E-08	2.50E-08	6.63E-08
1284	563700.14	4234571.94	4.24E-07	3.49E-07	7.73E-07	7.19E-08	5.59E-08	1.28E-07	3.42E-07	2.56E-07	5.98E-07	5.60E-08	4.96E-08	1.06E-07	4.18E-08	2.54E-08	6.72E-08
1285	563704.32	4234582.21	4.27E-07	3.52E-07	7.79E-07	7.25E-08	5.64E-08	1.29E-07	3.45E-07	2.58E-07	6.03E-07	5.65E-08	5.01E-08	1.07E-07	4.22E-08	2.56E-08	6.78E-08
1286	563708.5	4234592.47	4.29E-07	3.53E-07	7.82E-07	7.27E-08	5.66E-08	1.29E-07	3.46E-07	2.59E-07	6.05E-07	5.67E-08	5.02E-08	1.07E-07	4.23E-08	2.57E-08	6.80E-08
1287	563712.68	4234602.74	4.27E-07	3.52E-07	7.79E-07	7.24E-08	5.64E-08	1.29E-07	3.45E-07	2.58E-07	6.03E-07	5.65E-08	5.00E-08	1.06E-07	4.22E-08	2.56E-08	6.77E-08
1288	563589.7	4234306.14	3.59E-07	2.96E-07	6.54E-07	6.09E-08	4.74E-08	1.08E-07	2.90E-07	2.17E-07	5.06E-07	4.74E-08	4.20E-08	8.95E-08	3.54E-08	2.15E-08	5.69E-08
1289	563624.56	4234287.65	3.08E-07	2.54E-07	5.63E-07	5.23E-08	4.07E-08	9.31E-08	2.49E-07	1.86E-07	4.35E-07	4.08E-08	3.61E-08	7.69E-08	3.05E-08	1.85E-08	4.89E-08
1290	563628.7	4234297.82	2.99E-07	2.47E-07	5.46E-07	5.08E-08	3.95E-08	9.03E-08	2.42E-07	1.81E-07	4.22E-07	3.96E-08	3.51E-08	7.46E-08	2.96E-08	1.79E-08	4.75E-08
1291	563632.84	4234307.98	2.91E-07	2.40E-07	5.31E-07	4.94E-08	3.84E-08	8.78E-08	2.35E-07	1.76E-07	4.11E-07	3.85E-08	3.41E-08	7.26E-08	2.88E-08	1.74E-08	4.62E-08
1292	563636.98	4234318.14	2.84E-07	2.34E-07	5.18E-07	4.82E-08	3.75E-08	8.56E-08	2.29E-07	1.72E-07	4.01E-07	3.75E-08	3.33E-08	7.08E-08	2.80E-08	1.70E-08	4.50E-08
1293	563641.12	4234328.31	2.78E-07	2.29E-07	5.06E-07	4.71E-08	3.67E-08	8.38E-08	2.24E-07	1.68E-07	3.92E-07	3.67E-08	3.25E-08	6.92E-08	2.74E-08	1.66E-08	4.40E-08
1294	563645.26	4234338.47	2.72E-07	2.24E-07	4.97E-07	4.62E-08	3.60E-08	8.22E-08	2.20E-07	1.65E-07	3.85E-07	3.60E-08	3.19E-08	6.80E-08	2.69E-08	1.63E-08	4.32E-08
1295	563649.4	4234348.63	2.68E-07	2.21E-07	4.90E-07	4.55E-08	3.54E-08	8.10E-08	2.17E-07	1.62E-07	3.79E-07	3.55E-08	3.15E-08	6.69E-08	2.65E-08	1.61E-08	4.26E-08
1296	563653.54	4234358.8	2.66E-07	2.19E-07	4.85E-07	4.51E-08	3.51E-08	8.02E-08	2.15E-07	1.61E-07	3.75E-07	3.51E-08	3.11E-08	6.63E-08	2.62E-08	1.59E-08	4.22E-08
1297	563657.67	4234368.96	2.65E-07	2.18E-07	4.83E-07	4.49E-08	3.50E-08	7.99E-08	2.14E-07	1.60E-07	3.74E-07	3.50E-08	3.10E-08	6.61E-08	2.62E-08	1.59E-08	4.20E-08
1298	563661.81	4234379.12	2.65E-07	2.19E-07	4.84E-07	4.50E-08	3.51E-08	8.01E-08	2.14E-07	1.60E-07	3.75E-07	3.51E-08	3.11E-08	6.62E-08	2.62E-08	1.59E-08	4.21E-08

1299	563665.95	4234389.29	2.67E-07	2.20E-07	4.88E-07	4.54E-08	3.53E-08	8.07E-08	2.16E-07	1.62E-07	3.77E-07	3.54E-08	3.13E-08	6.67E-08	2.64E-08	1.60E-08	4.24E-08
1300	563670.09	4234399.45	2.71E-07	2.23E-07	4.94E-07	4.60E-08	3.58E-08	8.18E-08	2.19E-07	1.64E-07	3.83E-07	3.58E-08	3.18E-08	6.76E-08	2.68E-08	1.62E-08	4.30E-08
1301	563674.23	4234409.61	2.77E-07	2.28E-07	5.04E-07	4.69E-08	3.65E-08	8.35E-08	2.23E-07	1.67E-07	3.90E-07	3.66E-08	3.24E-08	6.90E-08	2.73E-08	1.66E-08	4.39E-08
1302	563678.37	4234419.78	2.83E-07	2.33E-07	5.17E-07	4.81E-08	3.74E-08	8.55E-08	2.29E-07	1.71E-07	4.00E-07	3.75E-08	3.32E-08	7.06E-08	2.80E-08	1.70E-08	4.49E-08
1303	563682.51	4234429.94	2.91E-07	2.39E-07	5.30E-07	4.93E-08	3.84E-08	8.77E-08	2.35E-07	1.76E-07	4.10E-07	3.84E-08	3.41E-08	7.25E-08	2.87E-08	1.74E-08	4.61E-08
1304	563686.65	4234440.1	2.99E-07	2.46E-07	5.45E-07	5.07E-08	3.94E-08	9.01E-08	2.41E-07	1.80E-07	4.22E-07	3.95E-08	3.50E-08	7.45E-08	2.95E-08	1.79E-08	4.74E-08
1305	563690.78	4234450.26	3.07E-07	2.53E-07	5.60E-07	5.21E-08	4.06E-08	9.27E-08	2.48E-07	1.86E-07	4.33E-07	4.06E-08	3.60E-08	7.66E-08	3.03E-08	1.84E-08	4.87E-08
1306	563694.92	4234460.43	3.16E-07	2.60E-07	5.76E-07	5.36E-08	4.17E-08	9.53E-08	2.55E-07	1.91E-07	4.46E-07	4.18E-08	3.70E-08	7.88E-08	3.12E-08	1.89E-08	5.01E-08
1307	563699.06	4234470.59	3.24E-07	2.67E-07	5.92E-07	5.50E-08	4.29E-08	9.79E-08	2.62E-07	1.96E-07	4.58E-07	4.29E-08	3.80E-08	8.09E-08	3.20E-08	1.94E-08	5.15E-08
1308	563703.2	4234480.75	3.33E-07	2.74E-07	6.07E-07	5.65E-08	4.40E-08	1.00E-07	2.69E-07	2.01E-07	4.70E-07	4.40E-08	3.90E-08	8.31E-08	3.29E-08	1.99E-08	5.28E-08
1309	563618.67	4234278.55	3.21E-07	2.65E-07	5.86E-07	5.45E-08	4.24E-08	9.69E-08	2.59E-07	1.94E-07	4.53E-07	4.25E-08	3.76E-08	8.01E-08	3.17E-08	1.92E-08	5.09E-08
1310	563653.53	4234260.09	2.75E-07	2.27E-07	5.02E-07	4.67E-08	3.63E-08	8.30E-08	2.22E-07	1.66E-07	3.88E-07	3.64E-08	3.22E-08	6.86E-08	2.72E-08	1.65E-08	4.36E-08
1311	563657.69	4234270.29	2.66E-07	2.19E-07	4.86E-07	4.52E-08	3.52E-08	8.03E-08	2.15E-07	1.61E-07	3.76E-07	3.52E-08	3.12E-08	6.64E-08	2.63E-08	1.59E-08	4.22E-08
1312	563661.85	4234280.5	2.58E-07	2.13E-07	4.71E-07	4.38E-08	3.41E-08	7.79E-08	2.09E-07	1.56E-07	3.65E-07	3.42E-08	3.03E-08	6.44E-08	2.55E-08	1.55E-08	4.10E-08
1313	563666	4234290.71	2.51E-07	2.07E-07	4.58E-07	4.27E-08	3.32E-08	7.59E-08	2.03E-07	1.52E-07	3.55E-07	3.32E-08	2.95E-08	6.27E-08	2.48E-08	1.50E-08	3.99E-08
1314	563670.16	4234300.91	2.46E-07	2.02E-07	4.48E-07	4.17E-08	3.24E-08	7.41E-08	1.98E-07	1.48E-07	3.47E-07	3.25E-08	2.88E-08	6.12E-08	2.42E-08	1.47E-08	3.89E-08
1315	563674.32	4234311.12	2.41E-07	1.98E-07	4.39E-07	4.08E-08	3.18E-08	7.26E-08	1.94E-07	1.45E-07	3.40E-07	3.18E-08	2.82E-08	6.00E-08	2.38E-08	1.44E-08	3.82E-08
1316	563678.47	4234321.33	2.36E-07	1.95E-07	4.31E-07	4.01E-08	3.12E-08	7.13E-08	1.91E-07	1.43E-07	3.34E-07	3.12E-08	2.77E-08	5.89E-08	2.33E-08	1.41E-08	3.75E-08
1317	563682.63	4234331.54	2.33E-07	1.92E-07	4.24E-07	3.95E-08	3.07E-08	7.02E-08	1.88E-07	1.41E-07	3.28E-07	3.08E-08	2.73E-08	5.80E-08	2.30E-08	1.39E-08	3.69E-08
1318	563686.79	4234341.74	2.30E-07	1.90E-07	4.20E-07	3.90E-08	3.04E-08	6.94E-08	1.86E-07	1.39E-07	3.25E-07	3.04E-08	2.70E-08	5.74E-08	2.27E-08	1.38E-08	3.65E-08
1319	563690.94	4234351.95	2.29E-07	1.89E-07	4.18E-07	3.89E-08	3.03E-08	6.92E-08	1.85E-07	1.39E-07	3.24E-07	3.03E-08	2.69E-08	5.72E-08	2.26E-08	1.37E-08	3.64E-08
1320	563695.1	4234362.16	2.30E-07	1.89E-07	4.19E-07	3.90E-08	3.03E-08	6.93E-08	1.85E-07	1.39E-07	3.24E-07	3.04E-08	2.69E-08	5.73E-08	2.27E-08	1.37E-08	3.64E-08
1321	563647.63	4234250.96	2.87E-07	2.36E-07	5.23E-07	4.87E-08	3.79E-08	8.66E-08	2.32E-07	1.73E-07	4.05E-07	3.79E-08	3.36E-08	7.16E-08	2.83E-08	1.72E-08	4.55E-08
1322	563682.5	4234232.51	2.45E-07	2.02E-07	4.47E-07	4.16E-08	3.24E-08	7.40E-08	1.98E-07	1.48E-07	3.46E-07	3.24E-08	2.87E-08	6.12E-08	2.42E-08	1.47E-08	3.89E-08
1323	563686.67	4234242.76	2.37E-07	1.96E-07	4.33E-07	4.03E-08	3.13E-08	7.16E-08	1.92E-07	1.43E-07	3.35E-07	3.14E-08	2.78E-08	5.92E-08	2.34E-08	1.42E-08	3.76E-08
1324	563782.64	4234478.41	2.80E-07	2.30E-07	5.10E-07	4.74E-08	3.69E-08	8.43E-08	2.26E-07	1.69E-07	3.95E-07	3.70E-08	3.28E-08	6.97E-08	2.76E-08	1.67E-08	4.43E-08
1325	563786.81	4234488.66	2.86E-07	2.36E-07	5.22E-07	4.85E-08	3.78E-08	8.63E-08	2.31E-07	1.73E-07	4.04E-07	3.78E-08	3.35E-08	7.14E-08	2.83E-08	1.71E-08	4.54E-08
1326	563790.98	4234498.9	2.92E-07	2.41E-07	5.33E-07	4.96E-08	3.86E-08	8.83E-08	2.36E-07	1.77E-07	4.13E-07	3.87E-08	3.43E-08	7.30E-08	2.89E-08	1.75E-08	4.64E-08
1327	563795.16	4234509.15	2.99E-07	2.46E-07	5.44E-07	5.06E-08	3.94E-08	9.01E-08	2.41E-07	1.80E-07	4.21E-07	3.95E-08	3.50E-08	7.45E-08	2.95E-08	1.79E-08	4.73E-08
1328	563799.33	4234519.39	3.04E-07	2.50E-07	5.54E-07	5.15E-08	4.01E-08	9.17E-08	2.45E-07	1.84E-07	4.29E-07	4.02E-08	3.56E-08	7.58E-08	3.00E-08	1.82E-08	4.82E-08
1329	563803.5	4234529.64	3.08E-07	2.54E-07	5.62E-07	5.23E-08	4.07E-08	9.30E-08	2.49E-07	1.86E-07	4.35E-07	4.08E-08	3.61E-08	7.69E-08	3.04E-08	1.84E-08	4.89E-08
1330	563807.67	4234539.89	3.13E-07	2.58E-07	5.70E-07	5.31E-08	4.13E-08	9.44E-08	2.52E-07	1.89E-07	4.41E-07	4.14E-08	3.66E-08	7.80E-08	3.09E-08	1.87E-08	4.96E-08
1331	563811.85	4234550.13	3.16E-07	2.61E-07	5.77E-07	5.37E-08	4.18E-08	9.55E-08	2.56E-07	1.91E-07	4.47E-07	4.18E-08	3.71E-08	7.89E-08	3.13E-08	1.89E-08	5.02E-08
1332	563816.02	4234560.38	3.18E-07	2.62E-07	5.80E-07	5.40E-08	4.20E-08	9.60E-08	2.57E-07	1.92E-07	4.49E-07	4.21E-08	3.73E-08	7.93E-08	3.14E-08	1.90E-08	5.05E-08
1333	563820.19	4234570.62	3.19E-07	2.63E-07	5.82E-07	5.42E-08	4.22E-08	9.63E-08	2.58E-07	1.93E-07	4.51E-07	4.22E-08	3.74E-08	7.96E-08	3.15E-08	1.91E-08	5.06E-08
1334	563676.59	4234223.37	2.56E-07	2.11E-07	4.67E-07	4.35E-08	3.38E-08	7.73E-08	2.07E-07	1.55E-07	3.62E-07	3.39E-08	3.00E-08	6.39E-08	2.53E-08	1.53E-08	4.06E-08
1335	563757.52	4234318.02	1.49E-07	1.23E-07	2.72E-07	2.53E-08	1.97E-08	4.51E-08	1.21E-07	9.03E-08	2.11E-07	1.98E-08	1.75E-08	3.73E-08	1.48E-08	8.94E-09	2.37E-08
1336	563761.71	4234328.3	1.45E-07	1.19E-07	2.64E-07	2.46E-08	1.91E-08	4.37E-08	1.17E-07	8.75E-08	2.04E-07	1.92E-08	1.70E-08	3.61E-08	1.43E-08	8.67E-09	2.30E-08
1337	563765.89	4234338.58	1.40E-07	1.16E-07	2.56E-07	2.38E-08	1.85E-08	4.24E-08	1.13E-07	8.48E-08	1.98E-07	1.86E-08	1.64E-08	3.50E-08	1.39E-08	8.40E-09	2.23E-08
1338	563770.08	4234348.86	1.39E-07	1.15E-07	2.54E-07	2.36E-08	1.84E-08	4.20E-08	1.12E-07	8.41E-08	1.97E-07	1.84E-08	1.63E-08	3.47E-08	1.38E-08	8.33E-09	2.21E-08
1339	563774.26	4234359.14	1.40E-07	1.15E-07	2.55E-07	2.37E-08	1.85E-08	4.22E-08	1.13E-07	8.45E-08	1.97E-07	1.85E-08	1.64E-08	3.49E-08	1.38E-08	8.37E-09	2.22E-08
1340	563778.45	4234369.42	1.42E-07	1.17E-07	2.59E-07	2.41E-08	1.88E-08	4.29E-08	1.15E-07	8.59E-08	2.01E-07	1.88E-08	1.67E-08	3.55E-08	1.40E-08	8.51E-09	2.25E-08
1341	563782.64	4234379.7	1.46E-07	1.20E-07	2.66E-07	2.47E-08	1.93E-08	4.40E-08	1.18E-07	8.81E-08	2.06E-07	1.93E-08	1.71E-08	3.64E-08	1.44E-08	8.73E-09	2.31E-08
1342	563786.82	4234389.98	1.50E-07	1.23E-07	2.73E-07	2.54E-08	1.98E-08	4.52E-08	1.21E-07	9.05E-08	2.12E-07	1.98E-08	1.76E-08	3.74E-08	1.48E-08	8.97E-09	2.38E-08
1343	563791.01	4234400.26	1.56E-07	1.29E-07	2.85E-07	2.65E-08	2.06E-08	4.71E-08	1.26E-07	9.43E-08	2.20E-07	2.06E-08	1.83E-08	3.89E-08	1.54E-08	9.34E-09	2.48E-08
1344	563795.2	4234410.54	1.65E-07	1.36E-07	3.01E-07	2.80E-08	2.18E-08	4.98E-08	1.33E-07	9.97E-08	2.33E-07	2.18E-08	1.93E-08	4.12E-08	1.63E-08	9.87E-09	2.62E-08
1345	563799.38	4234420.82	1.74E-07	1.44E-07	3.18E-07	2.96E-08	2.30E-08	5.26E-08	1.41E-07	1.05E-07	2.46E-07	2.31E-08	2.04E-08	4.35E-08	1.72E-08	1.04E-08	2.76E-08
1346	563803.57	4234431.1	1.85E-07	1.52E-07	3.37E-07	3.13E-08	2.44E-08	5.57E-08	1.49E-07	1.12E-07	2.61E-07	2.44E-08	2.16E-08	4.60E-08	1.82E-08	1.10E-08	2.93E-08
1347	563807.75	4234441.38	1.98E-07	1.63E-07	3.61E-07	3.36E-08	2.62E-08	5.98E-08	1.60E-07	1.20E-07	2.80E-07	2.62E-08	2.32E-08	4.94E-08	1.96E-08	1.19E-08	3.14E-08
1348	563811.94	4234451.66	2.14E-07	1.76E-07	3.91E-07	3.63E-08	2.83E-08	6.46E-08	1.73E-07	1.29E-07	3.02E-07	2.83E-08	2.51E-08	5.34E-08	2.12E-08	1.28E-08	3.40E-08
1349	563816.13	4234461.94	2.24E-07	1.84E-07	4.08E-07	3.79E-08	2.95E-08	6.75E-08	1.81E-07	1.35E-07	3.16E-07	2.96E-08	2.62E-08	5.58E-08	2.21E-08	1.34E-08	3.55E-08
1350	563820.31	4234472.22	2.29E-07	1.89E-07	4.18E-07	3.89E-08	3.03E-08	6.92E-08	1.85E-07	1.39E-07	3.24E-07	3.03E-08	2.69E-08	5.72E-08	2.27E-08	1.37E-08	3.64E-08
1351	563824.5	4234482.5	2.39E-07	1.97E-07	4.36E-07	4.06E-08	3.16E-08	7.22E-08	1.93E-07	1.45E-07	3.38E-07	3.16E-08	2.80E-08	5.97E-08	2.36E-08	1.43E-08	3.79E-08
1352	563828.69	4234492.78	2.48E-07	2.04E-07	4.52E-07	4.21E-08	3.27E-08	7.48E-08	2.00E-07	1.50E-07	3.50E-07	3.28E-08	2.90E-08	6.18E-08	2.45E-08	1.48E-08	3.93E-08
1353	563832.87	4234503.06	2.54E-07	2.09E-07	4.63E-07	4.31E-08	3.35E-08	7.66E-08	2.05E-07	1.53E-07	3.59E-07	3.36E-08	2.98E-08	6.33E-08	2.51E-08	1.52E-08	4.03E-08
1354	563837.06	4234513.34	2.60E-07	2.14E-07	4.74E-07	4.41E-08	3.43E-08	7.84E-08	2.10E-07	1.57E-07	3.67E-07	3.43E-08	3.04E-08	6.48E-08	2.56E-08	1.55E-08	4.12E-08
1355	563841.24	4234523.62	2.65E-07	2.18E-07	4.84E-07	4.50E-08	3.50E-08	8.00E-08	2.14E-07	1.60E-07	3.74E-07	3.51E-08	3.11E-08	6.61E-08	2.62E-08	1.59E-08	4.21E-08
1356	563845.43	4234533.9	2.82E-07	2.32E-07	5.13E-07	4.78E-08	3.72E-08	8.50E-08	2.27E-07	1.70E-07	3.97E-07	3.72E-08	3.30E-08	7.02E-08	2.78E-08	1.68E-08	4.47E-08
1357	563849.62	4234544.18	2.85E-07	2.35E-07	5.20E-07	4.83E-08	3.76E-08	8.60E-08	2.30E-07	1.72E-07	4.02E-07	3.77E-08	3.34E-08	7.11E-08	2.81E-08	1.71E-08	4.52E-08
1358	563853.8	4234554.46	2.88E-07	2.37E-07	5.25E-07	4.88E-08	3.80E-08	8.68E-08	2.32E-07	1.74E-07	4.06E-07	3.81E-08	3.37E-08	7.18E-08	2.84E-08	1.72E-08	4.56E-08
1359	563857.99	4234564.74	2.90E-07	2.39E-07	5.29E-07	4.92E-08	3.83E-08	8.75E-08	2.34E-07	1.75E-07	4.09E-07	3.83E-08	3.40E-08	7.23E-08	2.86E-08	1.74E-08	4.60E-08
1360	563862.18	4234575.02	2.91E-07	2.40E-07	5.31E-07	4.94E-08	3.85E-08	8.79E-08	2.35E-07	1.76E-07	4.11E-07	3.85E-08	3.41E-08	7.27E-08	2.88E-08	1.74E-08	4.62E-08
1361	563866.36	4234585.3	2.92E-07	2.40E-07	5.32E-07	4.95E-08	3.85E-08	8.80E-08	2.35E-07	1.76E-07	4.12E-07	3.86E-08	3.42E-08	7.27E-08	2.88E-08	1.75E-08	4.62E-08
1362	563761.18	4234228.3	1.47E-07	1.21E-07	2.69E-07	2.50E-08	1.95E-08	4.45E-08	1.19E-07	8.91E-08	2.08E-07	1.95E-08	1.73E-08	3.68E-08	1.46E-08	8.83E-09	2.34E-08
1363	563765.33	4234238.5	1.39E-07	1.15E-07	2.54E-07	2.36E-08	1.84E-08	4.21E-08	1.13E-07	8.42E-08	1.97E-07	1.84E-08	1.63E-08	3.48E-08	1.38E-08	8.34E-09	2.21E-08
1364	563769.49	4234248.7	1.32E-07	1.09E-07	2.41E-07	2.24E-08	1.74E-08	3.98E-08	1.07E-07	7.98E-08	1.86E-07	1.75E-08	1.55E-08	3.29E-08	1.30E-08	7.90E-09	2.09E-08
1365	563773.64	4234258.9	1.26E-07	1.04E-07	2.29E-07	2.13E-08	1.66E-08	3.80E-08	1.02E-07	7.60E-08	1.78E-07	1.66E-08	1.47E-08	3.14E-08	1.24E-08	7.53E-09	2.00E-08
1366	563777.8	4234269.1	1.19E-07	9.81E-08	2.17E-07	2.02E-08	1.57E-08	3.59E-08	9.62E-08	7.20E-08	1.68E-07	1.57E-08	1.40E-08	2.97E-08	1.18E-08	7.13E-09	1.89E-08
1367	563781.95	4234279.3	1.13E-07	9.33E-08	2.07E-07	1.92E-08	1.50E-08	3.42E-08	9.15E-08	6.85E-08	1.60E-07	1.50E-08	1.33E-08	2.83E-08	1.12E-08	6.78E-09	1.80E-08
1368	563786.1	4234289.5	1.07E-07	8.83E-08	1.95E-07	1.82E-08	1.41E-08	3.23E-08	8.65E-08	6.47E-08	1.51E-07	1.42E-08	1.26E-08	2.67E-08	1.06E-08	6.41E-09	1.70E-08
1369	563790.26	4234299.7	1.00E-07	8.25E-08	1.83E-07	1.70E-08	1.32E-08	3.02E-08	8.09E-08	6.05E-08	1.41E-07	1.32E-08	1.17E-08	2.50E-08	9.89E-09	5.99E-09	1.59E-08
1370	563794.41	4234309.9	9.46E-08	7.79E-08	1.73E-07	1.61E-08	1.25E-08	2.85E-08	7.64E-08	5.72E-08	1.34E-07	1.25E-08	1.11E-08	2.36E-08	9.34E-09	5.66E-09	1.50E-08
1371	563798.56	4234320.1	9.15E-08	7.54E-08	1.67E-07	1.55E-08	1.21E-08	2.76E-08	7.39E-08	5.53E-08	1.29E-07	1.21E-08	1.07E-08	2.28E-08	9.04E-09	5.48E-09	1.45E-08
1372	563802.72	4234330.3	9.07E-08	7.47E-08	1.65E-07	1.54E-08	1.20E-08	2.74E-08	7.32E-08	5.48E-08	1.28E-07	1.20E-08	1.06E-08	2.26E-08	8.96E-09	5.43E-09	1.44E-08
1373	563806.87	4234340.5	9.16E-08	7.55E-08	1.67E-07	1.55E-08	1.21E-08	2.76E-08	7.40E-08	5.54E-08	1.29E-07	1.21E-08	1.07E-08	2.29E-08	9.05E-09	5.48E-09	1.45E-08
1374	563811.02	4234350.7	9.28E-08	7.65E-08	1.69E-07	1.58E-08	1.23E-08	2.80E-08	7.50E-08	5.61E-08	1.31E-07	1.23E-08	1.09E-08	2.32E-08	9.17E-09	5.56E-09	1.47E-08
1375	563815.18	4234360.9	9.32E-08	7.68E-08	1.70E-07	1.58E-08	1.23E-08	2.81E-08	7.52E-08	5.63E-08	1.32E-07	1.23E-08	1.09E-08	2.32E-08	9.20E-09	5.58E-09	1.48E-08
1376	563819.33	4234371.1	9.38E-08	7.73E-08	1.71E-07	1.59E-08	1.24E-08	2.83E-08	7.57E-08	5.67E-08	1.32E-07	1.24E-08	1.10E-08	2.34E-08	9.26E-09	5.61E-09	1.49E-08
1377	563823.48	4234381.3	9.72E-08	8.01E-08	1.77E-07	1.65E-08	1.28E-08	2.93E-08	7.85E-08	5.87E-08	1.37E-07	1.29E-08	1.14E-08	2.42E-08	9.60E-09	5.82E-09	1.54E-08
1378	563827.64	4234391.5	1.03E-07	8.46E-08	1.87E-07	1.74E-08	1.36E-08	3.10E-08	8.29E-08	6.20E-08	1.45E-07	1.36E-08	1.20E-08	2.56E-08	1.01E-08	6.14E-09	1.63E-08
1379	563831.79	4234401.7	1.08E-07	8.91E-08	1.97E-07	1.84E-08	1.43E-08	3.27E-08	8.74E-08	6.54E-08	1.53E-07	1.43E-08	1.27E-08	2.70E-08	1.07E-08	6.48E-09	1.72E-08
1380	563835.95	4234411.9	1.12E-07	9.24E-08	2.04E-07	1.90E-08	1.48E-08	3.38E-08	9.05E-08	6.78E-08	1.58E-07	1.48E-08	1.31E-08	2.80E-08	1.11E-08	6.71E-09	1.78E-08
1381	563840.1	4234422.1	1.16E-07	9.54E-08	2.11E-07	1.96E-08	1.53E-08	3.49E-08	9.35E-08	7.00E-08	1.63E-07	1.53E-08	1.36E-08	2.89E-08	1.14E-08	6.93E-09	1.84E-08
1382	563844.25	4234432.3	1.21E-07	9.99E-08	2.21E-07	2.06E-08	1.60E-08	3.66E-08	9.79E-08	7.33E-08	1.71E-07	1.60E-08	1.42E-08	3.02E-08	1.20E-08	7.25E-09	1.92E-08
1383	563848.41	4234442.49	1.28E-07	1.06E-07	2.34E-07	2.17E-08	1.69E-08	3.87E-08	1.03E-07	7.74E-08	1.81E-07	1.69E-08	1.50E-08	3.20E-08	1.27E-08	7.67E-09	2.03E-08
1384	563852.56	4234452.69	1.35E-07	1.11E-07	2.46E-07	2.29E-08	1.78E-08	4.07E-08	1.09E-07	8.16E-08	1.91E-07	1.78E-08	1.58E-08	3.37E-08	1.33E-08	8.08E-09	2.14E-08
1385	563856.71	4234462.89	1.46E-07	1.20E-07	2.67E-07	2.48E-08	1.93E-08	4.41E-08	1.18E-07	8.83E-08	2.06E-07	1.93E-08	1.71E-08	3.65E-08	1.44E-08	8.75E-09	2.32E-08
1386	563860.87	4234473.09	1.62E-07	1.33E-07	2.95E-07	2.75E-08	2.14E-08	4.89E-08	1.31E-07	9.79E-08	2.29E-07	2.14E-08	1.90E-08	4.04E-08	1.60E-08	9.69E-09	2.57E-08
1387	563865.02	4234483.29	1.81E-07	1.49E-07	3.30E-07	3.07E-08	2.39E-08	5.46E-08	1.46E-07	1.09E-07	2.56E-07	2.39E-08	2.12E-08	4.52E-08	1.79E-08	1.08E-08	2.87E-08
1388	563869.17	4234493.49	1.94E-07	1.60E-07	3.54E-07	3.30E-08	2.57E-08	5.86E-08	1.57E-07	1.17E-07	2.74E-07	2.57E-08	2.28E-08	4.85E-08	1.92E-08	1.16E-08	3.08E-08
1389	563873.33	4234503.69	2.07E-07	1.71E-07	3.78E-07	3.52E-08	2.74E-08	6.25E-08	1.67E-07	1.25E-07	2.93E-07	2.74E-08	2.43E-08	5.17E-08	2.05E-08	1.24E-08	3.29E-08
1390	563877.48	4234513.89	2.19E-07	1.80E-07	3.99E-07	3.72E-08	2.89E-08	6.61E-08	1.77E-07	1.32E-07	3.09E-07	2.90E-08	2.57E-08	5.46E-08	2.16E-08	1.31E-08	3.47E-08
1391	563881.63	4234524.09	2.23E-07	1.84E-07	4.06E-07	3.78E-08	2.94E-08	6.72E-08	1.80E-07	1.35E-07	3.15E-07	2.95E-08	2.61E-08	5.56E-08	2.20E-08	1.33E-08	3.53E-08

1392	563885.79	4234534.29	2.25E-07	1.85E-07	4.11E-07	3.82E-08	2.97E-08	6.79E-08	1.82E-07	1.36E-07	3.18E-07	2.98E-08	2.64E-08	5.61E-08	2.22E-08	1.35E-08	3.57E-08
1393	563889.94	4234544.49	2.29E-07	1.89E-07	4.17E-07	3.88E-08	3.02E-08	6.91E-08	1.85E-07	1.38E-07	3.23E-07	3.03E-08	2.68E-08	5.71E-08	2.26E-08	1.37E-08	3.63E-08
1394	563894.1	4234554.69	2.33E-07	1.92E-07	4.26E-07	3.96E-08	3.08E-08	7.05E-08	1.89E-07	1.41E-07	3.30E-07	3.09E-08	2.74E-08	5.82E-08	2.31E-08	1.40E-08	3.70E-08
1395	563898.25	4234564.89	2.39E-07	1.97E-07	4.36E-07	4.06E-08	3.16E-08	7.21E-08	1.93E-07	1.44E-07	3.38E-07	3.16E-08	2.80E-08	5.96E-08	2.36E-08	1.43E-08	3.79E-08
1396	563902.4	4234575.09	2.45E-07	2.02E-07	4.47E-07	4.16E-08	3.24E-08	7.40E-08	1.98E-07	1.48E-07	3.46E-07	3.24E-08	2.87E-08	6.12E-08	2.42E-08	1.47E-08	3.89E-08
1397	563906.56	4234585.29	2.63E-07	2.17E-07	4.80E-07	4.47E-08	3.48E-08	7.94E-08	2.12E-07	1.59E-07	3.72E-07	3.48E-08	3.08E-08	6.56E-08	2.60E-08	1.58E-08	4.17E-08
1398	563910.71	4234595.49	2.65E-07	2.19E-07	4.84E-07	4.50E-08	3.50E-08	8.00E-08	2.14E-07	1.60E-07	3.74E-07	3.51E-08	3.11E-08	6.62E-08	2.62E-08	1.59E-08	4.21E-08
1399	563914.86	4234605.69	2.66E-07	2.19E-07	4.86E-07	4.52E-08	3.52E-08	8.04E-08	2.15E-07	1.61E-07	3.76E-07	3.52E-08	3.12E-08	6.65E-08	2.63E-08	1.59E-08	4.23E-08
1400	563919.02	4234615.89	2.63E-07	2.17E-07	4.80E-07	4.46E-08	3.48E-08	7.94E-08	2.12E-07	1.59E-07	3.71E-07	3.48E-08	3.08E-08	6.56E-08	2.60E-08	1.58E-08	4.17E-08
1401	563923.17	4234626.09	2.59E-07	2.14E-07	4.73E-07	4.40E-08	3.42E-08	7.82E-08	2.09E-07	1.57E-07	3.66E-07	3.43E-08	3.04E-08	6.46E-08	2.56E-08	1.55E-08	4.11E-08
1402	563260.55	4234599.95	3.98E-06	3.28E-06	7.26E-06	6.75E-07	5.26E-07	1.20E-06	3.21E-06	2.40E-06	5.62E-06	5.26E-07	4.66E-07	9.93E-07	3.93E-07	2.38E-07	6.31E-07
1403	563266.67	4234592.11	3.55E-06	2.92E-06	6.47E-06	6.02E-07	4.69E-07	1.07E-06	2.87E-06	2.15E-06	5.01E-06	4.69E-07	4.16E-07	8.85E-07	3.51E-07	2.12E-07	5.63E-07
1404	563257.55	4234585.34	3.99E-06	3.28E-06	7.27E-06	6.76E-07	5.26E-07	1.20E-06	3.22E-06	2.41E-06	5.63E-06	5.27E-07	4.67E-07	9.94E-07	3.94E-07	2.39E-07	6.32E-07
1405	563272.78	4234584.26	3.20E-06	2.63E-06	5.83E-06	5.42E-07	4.22E-07	9.64E-07	2.58E-06	1.93E-06	4.51E-06	4.23E-07	3.74E-07	7.97E-07	3.16E-07	1.91E-07	5.07E-07
1406	563263.11	4234577.03	3.59E-06	2.96E-06	6.56E-06	6.10E-07	4.75E-07	1.08E-06	2.90E-06	2.17E-06	5.08E-06	4.75E-07	4.21E-07	8.97E-07	3.55E-07	2.15E-07	5.70E-07
1407	563277.63	4234575.35	2.94E-06	2.42E-06	5.36E-06	4.99E-07	3.88E-07	8.87E-07	2.37E-06	1.78E-06	4.15E-06	3.89E-07	3.45E-07	7.33E-07	2.90E-07	1.76E-07	4.66E-07
1408	563285.23	4234581.74	2.70E-06	2.22E-06	4.92E-06	4.58E-07	3.56E-07	8.14E-07	2.18E-06	1.63E-06	3.81E-06	3.57E-07	3.16E-07	6.73E-07	2.66E-07	1.61E-07	4.28E-07
1409	563268.66	4234568.71	3.27E-06	2.69E-06	5.96E-06	5.54E-07	4.32E-07	9.86E-07	2.64E-06	1.97E-06	4.61E-06	4.32E-07	3.83E-07	8.15E-07	3.23E-07	1.96E-07	5.18E-07
1410	563283.6	4234567.39	2.68E-06	2.21E-06	4.89E-06	4.55E-07	3.54E-07	8.09E-07	2.16E-06	1.62E-06	3.78E-06	3.54E-07	3.14E-07	6.68E-07	2.65E-07	1.60E-07	4.25E-07
1411	563292.05	4234574.49	2.45E-06	2.02E-06	4.46E-06	4.15E-07	3.23E-07	7.38E-07	1.98E-06	1.48E-06	3.45E-06	3.24E-07	2.87E-07	6.10E-07	2.42E-07	1.46E-07	3.88E-07
1412	563274.21	4234560.39	2.99E-06	2.46E-06	5.45E-06	5.07E-07	3.95E-07	9.02E-07	2.41E-06	1.81E-06	4.22E-06	3.95E-07	3.50E-07	7.46E-07	2.95E-07	1.79E-07	4.74E-07
1413	563294.53	4234550.61	2.27E-06	1.87E-06	4.14E-06	3.85E-07	3.00E-07	6.85E-07	1.83E-06	1.37E-06	3.21E-06	3.00E-07	2.66E-07	5.67E-07	2.24E-07	1.36E-07	3.60E-07
1414	563302.64	4234557.43	2.09E-06	1.72E-06	3.81E-06	3.54E-07	2.76E-07	6.30E-07	1.69E-06	1.26E-06	2.95E-06	2.76E-07	2.45E-07	5.21E-07	2.06E-07	1.25E-07	3.31E-07
1415	563285.31	4234543.75	2.51E-06	2.07E-06	4.59E-06	4.27E-07	3.32E-07	7.59E-07	2.03E-06	1.52E-06	3.55E-06	3.32E-07	2.95E-07	6.27E-07	2.48E-07	1.50E-07	3.99E-07
1416	563306.31	4234534.54	1.93E-06	1.59E-06	3.52E-06	3.28E-07	2.55E-07	5.83E-07	1.56E-06	1.17E-06	2.73E-06	2.56E-07	2.26E-07	4.82E-07	1.91E-07	1.16E-07	3.06E-07
1417	563315.77	4234542.5	1.76E-06	1.45E-06	3.21E-06	2.98E-07	2.32E-07	5.31E-07	1.42E-06	1.06E-06	2.48E-06	2.33E-07	2.06E-07	4.39E-07	1.74E-07	1.05E-07	2.79E-07
1418	563296.41	4234527.12	2.14E-06	1.76E-06	3.90E-06	3.63E-07	2.82E-07	6.45E-07	1.73E-06	1.29E-06	3.02E-06	2.83E-07	2.50E-07	5.33E-07	2.11E-07	1.28E-07	3.39E-07
1419	563317.19	4234517.72	1.70E-06	1.40E-06	3.09E-06	2.88E-07	2.24E-07	5.11E-07	1.37E-06	1.02E-06	2.39E-06	2.24E-07	1.99E-07	4.23E-07	1.67E-07	1.01E-07	2.69E-07
1420	563326.2	4234525.29	1.56E-06	1.28E-06	2.84E-06	2.64E-07	2.06E-07	4.70E-07	1.26E-06	9.41E-07	2.20E-06	2.06E-07	1.83E-07	3.88E-07	1.54E-07	9.32E-08	2.47E-07
1421	563335.21	4234532.87	1.43E-06	1.18E-06	2.61E-06	2.43E-07	1.89E-07	4.32E-07	1.16E-06	8.66E-07	2.02E-06	1.89E-07	1.68E-07	3.57E-07	1.41E-07	8.57E-08	2.27E-07
1422	563307.51	4234510.48	1.86E-06	1.53E-06	3.39E-06	3.15E-07	2.45E-07	5.61E-07	1.50E-06	1.12E-06	2.62E-06	2.46E-07	2.18E-07	4.64E-07	1.84E-07	1.11E-07	2.95E-07
1423	563328.13	4234500.95	1.51E-06	1.25E-06	2.76E-06	2.57E-07	2.00E-07	4.57E-07	1.22E-06	9.15E-07	2.14E-06	2.00E-07	1.77E-07	3.78E-07	1.49E-07	9.06E-08	2.40E-07
1424	563336.82	4234508.25	1.40E-06	1.15E-06	2.55E-06	2.37E-07	1.85E-07	4.22E-07	1.13E-06	8.45E-07	1.97E-06	1.85E-07	1.64E-07	3.49E-07	1.38E-07	8.37E-08	2.22E-07
1425	563345.5	4234515.55	1.29E-06	1.07E-06	2.36E-06	2.20E-07	1.71E-07	3.90E-07	1.04E-06	7.82E-07	1.83E-06	1.71E-07	1.52E-07	3.23E-07	1.28E-07	7.75E-08	2.05E-07
1426	563318.61	4234493.85	1.65E-06	1.36E-06	3.01E-06	2.80E-07	2.18E-07	4.98E-07	1.33E-06	9.98E-07	2.33E-06	2.18E-07	1.93E-07	4.12E-07	1.63E-07	9.88E-08	2.62E-07
1427	563339.11	4234484.21	1.37E-06	1.13E-06	2.49E-06	2.32E-07	1.81E-07	4.13E-07	1.10E-06	8.27E-07	1.93E-06	1.81E-07	1.60E-07	3.41E-07	1.35E-07	8.19E-08	2.17E-07
1428	563347.55	4234491.31	1.27E-06	1.05E-06	2.32E-06	2.16E-07	1.68E-07	3.85E-07	1.03E-06	7.70E-07	1.80E-06	1.69E-07	1.49E-07	3.18E-07	1.26E-07	7.63E-08	2.02E-07
1429	563356	4234498.41	1.19E-06	9.76E-07	2.16E-06	2.01E-07	1.57E-07	3.58E-07	9.57E-07	7.16E-07	1.67E-06	1.57E-07	1.39E-07	2.96E-07	1.17E-07	7.09E-08	1.88E-07
1430	563364.45	4234505.51	1.10E-06	9.08E-07	2.01E-06	1.87E-07	1.46E-07	3.33E-07	8.90E-07	6.66E-07	1.56E-06	1.46E-07	1.29E-07	2.75E-07	1.09E-07	6.60E-08	1.75E-07
1431	563329.71	4234477.21	1.48E-06	1.22E-06	2.70E-06	2.51E-07	1.96E-07	4.47E-07	1.20E-06	8.95E-07	2.09E-06	1.96E-07	1.73E-07	3.69E-07	1.46E-07	8.86E-08	2.35E-07
1432	563350.63	4234467.93	1.25E-06	1.03E-06	2.27E-06	2.11E-07	1.65E-07	3.76E-07	1.01E-06	7.53E-07	1.76E-06	1.65E-07	1.46E-07	3.11E-07	1.23E-07	7.46E-08	1.98E-07
1433	563359.92	4234475.74	1.16E-06	9.55E-07	2.11E-06	1.97E-07	1.53E-07	3.50E-07	9.36E-07	7.00E-07	1.64E-06	1.53E-07	1.36E-07	2.89E-07	1.14E-07	6.94E-08	1.84E-07
1434	563369.21	4234483.55	1.07E-06	8.85E-07	1.96E-06	1.82E-07	1.42E-07	3.24E-07	8.67E-07	6.49E-07	1.52E-06	1.42E-07	1.26E-07	2.68E-07	1.06E-07	6.43E-08	1.70E-07
1435	563378.51	4234491.36	9.93E-07	8.18E-07	1.81E-06	1.68E-07	1.31E-07	3.00E-07	8.02E-07	6.00E-07	1.40E-06	1.31E-07	1.16E-07	2.48E-07	9.81E-08	5.94E-08	1.58E-07
1436	563340.82	4234460.57	1.34E-06	1.11E-06	2.45E-06	2.28E-07	1.78E-07	4.06E-07	1.09E-06	8.12E-07	1.90E-06	1.78E-07	1.58E-07	3.35E-07	1.33E-07	8.05E-08	2.13E-07
1437	563361.59	4234451.17	1.15E-06	9.47E-07	2.10E-06	1.95E-07	1.52E-07	3.47E-07	9.28E-07	6.95E-07	1.62E-06	1.52E-07	1.35E-07	2.87E-07	1.14E-07	6.88E-08	1.82E-07
1438	563370.6	4234458.75	1.07E-06	8.81E-07	1.95E-06	1.81E-07	1.41E-07	3.23E-07	8.63E-07	6.46E-07	1.51E-06	1.41E-07	1.25E-07	2.67E-07	1.06E-07	6.40E-08	1.70E-07
1439	563379.61	4234466.32	9.93E-07	8.18E-07	1.81E-06	1.69E-07	1.31E-07	3.00E-07	8.02E-07	6.00E-07	1.40E-06	1.31E-07	1.16E-07	2.48E-07	9.81E-08	5.94E-08	1.58E-07
1440	563388.62	4234473.9	9.23E-07	7.61E-07	1.68E-06	1.57E-07	1.22E-07	2.79E-07	7.45E-07	5.58E-07	1.30E-06	1.22E-07	1.08E-07	2.30E-07	9.12E-08	5.53E-08	1.46E-07
1441	563351.92	4234443.94	1.24E-06	1.02E-06	2.26E-06	2.10E-07	1.63E-07	3.73E-07	9.99E-07	7.48E-07	1.75E-06	1.64E-07	1.45E-07	3.09E-07	1.22E-07	7.41E-08	1.96E-07
1442	563372.58	4234434.44	1.06E-06	8.73E-07	1.93E-06	1.80E-07	1.40E-07	3.20E-07	8.56E-07	6.41E-07	1.50E-06	1.40E-07	1.24E-07	2.64E-07	1.05E-07	6.35E-08	1.68E-07
1443	563381.37	4234441.83	9.89E-07	8.15E-07	1.80E-06	1.68E-07	1.31E-07	2.98E-07	7.99E-07	5.98E-07	1.40E-06	1.31E-07	1.16E-07	2.47E-07	9.77E-08	5.92E-08	1.57E-07
1444	563390.15	4234449.21	9.22E-07	7.60E-07	1.68E-06	1.56E-07	1.22E-07	2.78E-07	7.45E-07	5.57E-07	1.30E-06	1.22E-07	1.08E-07	2.30E-07	9.11E-08	5.52E-08	1.46E-07
1445	563398.94	4234456.6	8.60E-07	7.09E-07	1.57E-06	1.46E-07	1.14E-07	2.60E-07	6.95E-07	5.20E-07	1.21E-06	1.14E-07	1.01E-07	2.15E-07	8.50E-08	5.15E-08	1.36E-07
1446	563407.72	4234463.98	8.04E-07	6.62E-07	1.47E-06	1.36E-07	1.06E-07	2.43E-07	6.49E-07	4.86E-07	1.13E-06	1.06E-07	9.42E-08	2.01E-07	7.94E-08	4.81E-08	1.28E-07
1447	563363.02	4234427.3	1.14E-06	9.40E-07	2.08E-06	1.94E-07	1.51E-07	3.44E-07	9.21E-07	6.90E-07	1.61E-06	1.51E-07	1.34E-07	2.85E-07	1.13E-07	6.83E-08	1.81E-07
1448	563384.02	4234418.09	9.78E-07	8.06E-07	1.78E-06	1.66E-07	1.29E-07	2.95E-07	7.90E-07	5.91E-07	1.38E-06	1.29E-07	1.15E-07	2.44E-07	9.66E-08	5.85E-08	1.55E-07
1449	563393.48	4234426.04	9.10E-07	7.50E-07	1.66E-06	1.54E-07	1.20E-07	2.75E-07	7.35E-07	5.50E-07	1.28E-06	1.20E-07	1.07E-07	2.27E-07	8.99E-08	5.45E-08	1.44E-07
1450	563402.94	4234434	8.46E-07	6.97E-07	1.54E-06	1.44E-07	1.12E-07	2.55E-07	6.83E-07	5.11E-07	1.19E-06	1.12E-07	9.91E-08	2.11E-07	8.35E-08	5.06E-08	1.34E-07
1451	563412.4	4234441.95	7.86E-07	6.48E-07	1.43E-06	1.33E-07	1.04E-07	2.37E-07	6.35E-07	4.75E-07	1.11E-06	1.04E-07	9.21E-08	1.96E-07	7.77E-08	4.71E-08	1.25E-07
1452	563421.86	4234449.9	7.32E-07	6.03E-07	1.34E-06	1.24E-07	9.67E-08	2.21E-07	5.91E-07	4.43E-07	1.03E-06	9.68E-08	8.58E-08	1.83E-07	7.23E-08	4.38E-08	1.16E-07
1453	563374.12	4234410.67	1.05E-06	8.67E-07	1.92E-06	1.79E-07	1.39E-07	3.17E-07	8.50E-07	6.36E-07	1.49E-06	1.39E-07	1.23E-07	2.62E-07	1.04E-07	6.30E-08	1.67E-07
1454	563395	4234401.35	9.09E-07	7.49E-07	1.66E-06	1.54E-07	1.20E-07	2.74E-07	7.34E-07	5.50E-07	1.28E-06	1.20E-07	1.07E-07	2.27E-07	8.98E-08	5.44E-08	1.44E-07
1455	563404.21	4234409.1	8.50E-07	7.00E-07	1.55E-06	1.44E-07	1.12E-07	2.56E-07	6.86E-07	5.14E-07	1.20E-06	1.12E-07	9.96E-08	2.12E-07	8.39E-08	5.09E-08	1.35E-07
1456	563413.43	4234416.84	7.93E-07	6.54E-07	1.45E-06	1.35E-07	1.05E-07	2.39E-07	6.41E-07	4.79E-07	1.12E-06	1.05E-07	9.30E-08	1.98E-07	7.83E-08	4.75E-08	1.26E-07
1457	563422.64	4234424.59	7.40E-07	6.10E-07	1.35E-06	1.26E-07	9.77E-08	2.23E-07	5.98E-07	4.47E-07	1.04E-06	9.79E-08	8.67E-08	1.85E-07	7.31E-08	4.43E-08	1.17E-07
1458	563431.86	4234432.34	6.96E-07	5.73E-07	1.27E-06	1.18E-07	9.19E-08	2.10E-07	5.62E-07	4.20E-07	9.82E-07	9.20E-08	8.15E-08	1.74E-07	6.87E-08	4.16E-08	1.10E-07
1459	563385.22	4234394.03	9.75E-07	8.03E-07	1.78E-06	1.65E-07	1.29E-07	2.94E-07	7.87E-07	5.89E-07	1.38E-06	1.29E-07	1.14E-07	2.43E-07	9.63E-08	5.83E-08	1.55E-07
1460	563417.01	4234367.92	7.95E-07	6.55E-07	1.45E-06	1.35E-07	1.05E-07	2.40E-07	6.42E-07	4.81E-07	1.12E-06	1.05E-07	9.32E-08	1.98E-07	7.85E-08	4.76E-08	1.26E-07
1461	563425.85	4234375.35	7.49E-07	6.17E-07	1.37E-06	1.27E-07	9.89E-08	2.26E-07	6.05E-07	4.52E-07	1.06E-06	9.90E-08	8.77E-08	1.87E-07	7.39E-08	4.48E-08	1.19E-07
1462	563434.69	4234382.78	7.04E-07	5.80E-07	1.28E-06	1.19E-07	9.29E-08	2.12E-07	5.68E-07	4.25E-07	9.93E-07	9.31E-08	8.25E-08	1.76E-07	6.95E-08	4.21E-08	1.12E-07
1463	563443.52	4234390.21	6.61E-07	5.44E-07	1.20E-06	1.12E-07	8.73E-08	1.99E-07	5.33E-07	3.99E-07	9.33E-07	8.74E-08	7.74E-08	1.65E-07	6.52E-08	3.95E-08	1.05E-07
1464	563407.42	4234360.76	8.51E-07	7.01E-07	1.55E-06	1.44E-07	1.12E-07	2.57E-07	6.87E-07	5.14E-07	1.20E-06	1.13E-07	9.97E-08	2.12E-07	8.40E-08	5.09E-08	1.35E-07
1465	563439.38	4234334.79	7.24E-07	5.96E-07	1.32E-06	1.23E-07	9.56E-08	2.18E-07	5.84E-07	4.37E-07	1.02E-06	9.57E-08	8.48E-08	1.81E-07	7.15E-08	4.33E-08	1.15E-07
1466	563494.41	4234381.05	5.00E-07	4.12E-07	9.12E-07	8.48E-08	6.60E-08	1.51E-07	4.04E-07	3.02E-07	7.06E-07	6.61E-08	5.86E-08	1.25E-07	4.94E-08	2.99E-08	7.93E-08
1467	563429.63	4234327.48	7.68E-07	6.33E-07	1.40E-06	1.30E-07	1.01E-07	2.32E-07	6.20E-07	4.64E-07	1.08E-06	1.02E-07	9.00E-08	1.92E-07	7.58E-08	4.60E-08	1.22E-07
1468	563499.57	4234333.45	5.09E-07	4.19E-07	9.29E-07	8.64E-08	6.72E-08	1.54E-07	4.11E-07	3.08E-07	7.19E-07	6.73E-08	5.97E-08	1.27E-07	5.03E-08	3.05E-08	8.08E-08
1469	563509.03	4234341.4	4.78E-07	3.94E-07	8.72E-07	8.12E-08	6.32E-08	1.44E-07	3.86E-07	2.89E-07	6.75E-07	6.33E-08	5.61E-08	1.19E-07	4.72E-08	2.86E-08	7.59E-08
1470	563518.49	4234349.36	4.54E-07	3.74E-07	8.28E-07	7.71E-08	6.00E-08	1.37E-07	3.67E-07	2.74E-07	6.41E-07	6.01E-08	5.32E-08	1.13E-07	4.49E-08	2.72E-08	7.20E-08
1471	563492.92	4234275.92	5.54E-07	4.56E-07	1.01E-06	9.40E-08	7.32E-08	1.67E-07	4.47E-07	3.35E-07	7.82E-07	7.32E-08	6.49E-08	1.38E-07	5.47E-08	3.32E-08	8.79E-08
1472	563502.06	4234283.6	5.25E-07	4.33E-07	9.58E-07	8.91E-08	6.94E-08	1.59E-07	4.24E-07	3.17E-07	7.42E-07	6.95E-08	6.16E-08	1.31E-07	5.19E-08	3.14E-08	8.33E-08
1473	563511.2	4234291.29	4.97E-07	4.10E-07	9.07E-07	8.44E-08	6.57E-08	1.50E-07	4.01E-07	3.00E-07	7.02E-07	6.57E-08	5.83E-08	1.24E-07	4.91E-08	2.98E-08	7.89E-08
1474	563520.34	4234298.98	4.73E-07	3.90E-07	8.63E-07	8.03E-08	6.25E-08	1.43E-07	3.82E-07	2.86E-07	6.68E-07	6.26E-08	5.54E-08	1.18E-07	4.67E-08	2.83E-08	7.50E-08
1475	563529.49	4234306.66	4.51E-07	3.72E-07	8.23E-07	7.66E-08	5.96E-08	1.36E-07	3.64E-07	2.73E-07	6.37E-07	5.97E-08	5.29E-08	1.13E-07	4.46E-08	2.70E-08	7.16E-08
1476	563538.63	4234314.35	4.34E-07	3.58E-07	7.92E-07	7.37E-08	5.74E-08	1.31E-07	3.51E-07	2.62E-07	6.13E-07	5.74E-08	5.09E-08	1.08E-07	4.29E-08	2.60E-08	6.89E-08
1477	563547.77	4234322.03	4.20E-07	3.46E-07	7.67E-07	7.13E-08	5.55E-08	1.27E-07	3.39E-07	2.54E-07	5.94E-07	5.56E-08	4.93E-08	1.05E-07	4.15E-08	2.52E-08	6.67E-08
1478	563506.1	4234235.06	5.27E-07	4.34E-07	9.61E-07	8.94E-08	6.96E-08	1.59E-07	4.26E-07	3.19E-07	7.44E-07	6.97E-08	6.18E-08	1.31E-07	5.21E-08	3.16E-08	8.36E-08
1479	563515.48	4234242.95	5.05E-07	4.16E-07	9.20E-07	8.56E-08	6.66E-08	1.52E-07	4.07E-07	3.05E-07	7.12E-07	6.67E-08	5.91E-08	1.26E-07	4.98E-08	3.02E-08	8.00E-08
1480	563524.87	4234250.84	4.84E-07	3.99E-07	8.84E-07	8.22E-08	6.40E-08	1.46E-07	3.91E-07	2.93E-07	6.84E-07	6.41E-08	5.68E-08	1.21E-07	4.78E-08	2.90E-08	7.68E-08
1481	563534.25	4234258.73	4.65E-07	3.83E-07	8.47E-07	7.88E-08	6.14E-08	1.40E-07	3.75E-07	2.81E-07	6.56E-07	6.14E-08	5.44E-08	1.16E-07	4.59E-08	2.78E-08	7.37E-08
1482	563543.64	4234266.62	4.45E-07	3.67E-07	8.11E-07	7.55E-08	5.88E-08	1.34E-07	3.59E-07	2.69E-07	6.28E-07	5.88E-08	5.21E-08	1.11E-07	4.39E-08	2.66E-08	7.06E-08
1483	563553.03	4234274.51	4.26E-07	3.51E-07	7.76E-07	7.22E-08	5.62E-08	1.28E-07	3.44E-07	2.57E-07	6.01E-07	5.63E-08	4.99E-08	1.06E-07	4.20E-08	2.55E-08	6.75E-08
1484	563562.41	4234282.4	4.07E-07	3.35E-07	7.43E-07	6.91E-08	5.38E-08	1.23E-07	3.29E-07	2.46E-07	5.75E-07	5.38E-08	4.77E-08	1.02E-07	4.02E-08	2.44E-08	6.46E-08

1485	563571.8	4234290.29	3.90E-07	3.21E-07	7.11E-07	6.61E-08	5.15E-08	1.18E-07	3.15E-07	2.36E-07	5.50E-07	5.15E-08	4.57E-08	9.72E-08	3.85E-08	2.33E-08	6.18E-08
1486	563581.18	4234298.18	3.73E-07	3.08E-07	6.81E-07	6.33E-08	4.93E-08	1.13E-07	3.01E-07	2.26E-07	5.27E-07	4.94E-08	4.37E-08	9.31E-08	3.69E-08	2.23E-08	5.92E-08
1487	563496.24	4234227.67	5.49E-07	4.52E-07	1.00E-06	9.31E-08	7.25E-08	1.66E-07	4.43E-07	3.32E-07	7.75E-07	7.26E-08	6.43E-08	1.37E-07	5.42E-08	3.28E-08	8.70E-08
1488	563528.17	4234201.68	4.91E-07	4.05E-07	8.96E-07	8.33E-08	6.49E-08	1.48E-07	3.97E-07	2.97E-07	6.93E-07	6.50E-08	5.76E-08	1.23E-07	4.85E-08	2.94E-08	7.79E-08
1489	563537.29	4234209.35	4.76E-07	3.92E-07	8.67E-07	8.07E-08	6.28E-08	1.43E-07	3.84E-07	2.87E-07	6.71E-07	6.29E-08	5.57E-08	1.19E-07	4.70E-08	2.85E-08	7.54E-08
1490	563546.42	4234217.02	4.60E-07	3.79E-07	8.38E-07	7.80E-08	6.07E-08	1.39E-07	3.71E-07	2.78E-07	6.49E-07	6.08E-08	5.39E-08	1.15E-07	4.54E-08	2.75E-08	7.29E-08
1491	563555.54	4234224.69	4.44E-07	3.66E-07	8.09E-07	7.53E-08	5.86E-08	1.34E-07	3.58E-07	2.68E-07	6.26E-07	5.87E-08	5.20E-08	1.11E-07	4.38E-08	2.66E-08	7.04E-08
1492	563564.66	4234232.36	4.28E-07	3.52E-07	7.80E-07	7.26E-08	5.65E-08	1.29E-07	3.45E-07	2.58E-07	6.04E-07	5.66E-08	5.01E-08	1.07E-07	4.22E-08	2.56E-08	6.78E-08
1493	563573.78	4234240.02	4.12E-07	3.39E-07	7.51E-07	6.99E-08	5.44E-08	1.24E-07	3.33E-07	2.49E-07	5.81E-07	5.45E-08	4.83E-08	1.03E-07	4.07E-08	2.47E-08	6.53E-08
1494	563582.91	4234247.69	3.96E-07	3.27E-07	7.23E-07	6.73E-08	5.24E-08	1.20E-07	3.20E-07	2.40E-07	5.60E-07	5.24E-08	4.65E-08	9.89E-08	3.92E-08	2.37E-08	6.29E-08
1495	563592.03	4234255.36	3.81E-07	3.14E-07	6.94E-07	6.46E-08	5.03E-08	1.15E-07	3.07E-07	2.30E-07	5.38E-07	5.04E-08	4.46E-08	9.50E-08	3.76E-08	2.28E-08	6.04E-08
1496	563601.15	4234263.03	3.59E-07	2.96E-07	6.55E-07	6.10E-08	4.75E-08	1.08E-07	2.90E-07	2.17E-07	5.07E-07	4.75E-08	4.21E-08	8.96E-08	3.55E-08	2.15E-08	5.70E-08
1497	563610.27	4234270.7	3.39E-07	2.79E-07	6.18E-07	5.75E-08	4.48E-08	1.02E-07	2.74E-07	2.05E-07	4.79E-07	4.48E-08	3.97E-08	8.46E-08	3.35E-08	2.03E-08	5.38E-08
1498	563518.44	4234194.4	5.08E-07	4.18E-07	9.26E-07	8.62E-08	6.71E-08	1.53E-07	4.10E-07	3.07E-07	7.17E-07	6.72E-08	5.95E-08	1.27E-07	5.02E-08	3.04E-08	8.06E-08
1499	563550.48	4234168.5	4.65E-07	3.83E-07	8.47E-07	7.88E-08	6.13E-08	1.40E-07	3.75E-07	2.81E-07	6.56E-07	6.14E-08	5.44E-08	1.16E-07	4.59E-08	2.78E-08	7.37E-08
1500	563559.81	4234176.34	4.52E-07	3.72E-07	8.24E-07	7.66E-08	5.96E-08	1.36E-07	3.65E-07	2.73E-07	6.38E-07	5.97E-08	5.29E-08	1.13E-07	4.46E-08	2.70E-08	7.16E-08
1501	563569.14	4234184.19	4.39E-07	3.61E-07	8.00E-07	7.44E-08	5.79E-08	1.32E-07	3.54E-07	2.65E-07	6.19E-07	5.80E-08	5.14E-08	1.09E-07	4.33E-08	2.63E-08	6.96E-08
1502	563578.47	4234192.03	4.25E-07	3.51E-07	7.76E-07	7.22E-08	5.62E-08	1.28E-07	3.44E-07	2.57E-07	6.01E-07	5.63E-08	4.99E-08	1.06E-07	4.20E-08	2.55E-08	6.75E-08
1503	563587.8	4234199.87	4.12E-07	3.39E-07	7.52E-07	6.99E-08	5.44E-08	1.24E-07	3.33E-07	2.49E-07	5.82E-07	5.45E-08	4.83E-08	1.03E-07	4.07E-08	2.47E-08	6.54E-08
1504	563597.14	4234207.72	3.94E-07	3.25E-07	7.19E-07	6.69E-08	5.20E-08	1.19E-07	3.18E-07	2.38E-07	5.56E-07	5.21E-08	4.62E-08	9.83E-08	3.89E-08	2.36E-08	6.25E-08
1505	563606.47	4234215.56	3.73E-07	3.07E-07	6.80E-07	6.33E-08	4.93E-08	1.13E-07	3.01E-07	2.25E-07	5.27E-07	4.93E-08	4.37E-08	9.30E-08	3.68E-08	2.23E-08	5.92E-08
1506	563615.8	4234223.41	3.52E-07	2.90E-07	6.43E-07	5.98E-08	4.65E-08	1.06E-07	2.85E-07	2.13E-07	4.98E-07	4.66E-08	4.13E-08	8.79E-08	3.48E-08	2.11E-08	5.59E-08
1507	563625.13	4234231.25	3.32E-07	2.74E-07	6.06E-07	5.64E-08	4.39E-08	1.00E-07	2.68E-07	2.01E-07	4.69E-07	4.40E-08	3.89E-08	8.29E-08	3.28E-08	1.99E-08	5.27E-08
1508	563634.46	4234239.1	3.13E-07	2.58E-07	5.71E-07	5.31E-08	4.13E-08	9.44E-08	2.53E-07	1.89E-07	4.42E-07	4.14E-08	3.67E-08	7.81E-08	3.09E-08	1.87E-08	4.96E-08
1509	563540.64	4234161.12	4.78E-07	3.94E-07	8.71E-07	8.11E-08	6.31E-08	1.44E-07	3.86E-07	2.89E-07	6.75E-07	6.32E-08	5.60E-08	1.19E-07	4.72E-08	2.86E-08	7.58E-08
1510	563572.57	4234135.13	4.43E-07	3.65E-07	8.08E-07	7.52E-08	5.85E-08	1.34E-07	3.58E-07	2.68E-07	6.26E-07	5.86E-08	5.19E-08	1.11E-07	4.38E-08	2.65E-08	7.03E-08
1511	563581.68	4234142.79	4.28E-07	3.52E-07	7.80E-07	7.25E-08	5.65E-08	1.29E-07	3.45E-07	2.58E-07	6.04E-07	5.65E-08	5.01E-08	1.07E-07	4.22E-08	2.56E-08	6.78E-08
1512	563590.78	4234150.44	4.11E-07	3.38E-07	7.49E-07	6.97E-08	5.43E-08	1.24E-07	3.32E-07	2.48E-07	5.80E-07	5.43E-08	4.81E-08	1.02E-07	4.06E-08	2.46E-08	6.52E-08
1513	563599.89	4234158.1	3.95E-07	3.25E-07	7.20E-07	6.70E-08	5.21E-08	1.19E-07	3.19E-07	2.39E-07	5.57E-07	5.22E-08	4.63E-08	9.84E-08	3.90E-08	2.36E-08	6.26E-08
1514	563609	4234165.76	3.85E-07	3.18E-07	7.03E-07	6.54E-08	5.09E-08	1.16E-07	3.11E-07	2.33E-07	5.44E-07	5.10E-08	4.52E-08	9.61E-08	3.81E-08	2.31E-08	6.11E-08
1515	563618.11	4234173.41	3.71E-07	3.05E-07	6.76E-07	6.29E-08	4.90E-08	1.12E-07	2.99E-07	2.24E-07	5.23E-07	4.90E-08	4.34E-08	9.25E-08	3.66E-08	2.22E-08	5.88E-08
1516	563627.22	4234181.07	3.52E-07	2.90E-07	6.43E-07	5.98E-08	4.65E-08	1.06E-07	2.84E-07	2.13E-07	4.97E-07	4.66E-08	4.13E-08	8.79E-08	3.48E-08	2.11E-08	5.59E-08
1517	563636.32	4234188.72	3.34E-07	2.75E-07	6.09E-07	5.67E-08	4.41E-08	1.01E-07	2.70E-07	2.02E-07	4.72E-07	4.42E-08	3.92E-08	8.34E-08	3.30E-08	2.00E-08	5.30E-08
1518	563645.43	4234196.38	3.16E-07	2.60E-07	5.76E-07	5.36E-08	4.17E-08	9.53E-08	2.55E-07	1.91E-07	4.46E-07	4.18E-08	3.70E-08	7.88E-08	3.12E-08	1.89E-08	5.01E-08
1519	563654.54	4234204.04	2.98E-07	2.45E-07	5.43E-07	5.05E-08	3.93E-08	8.99E-08	2.40E-07	1.80E-07	4.20E-07	3.94E-08	3.49E-08	7.43E-08	2.94E-08	1.78E-08	4.72E-08
1520	563663.65	4234211.69	2.80E-07	2.30E-07	5.10E-07	4.74E-08	3.69E-08	8.43E-08	2.26E-07	1.69E-07	3.95E-07	3.70E-08	3.28E-08	6.97E-08	2.76E-08	1.67E-08	4.43E-08
1521	563562.84	4234127.85	4.54E-07	3.74E-07	8.27E-07	7.70E-08	5.99E-08	1.37E-07	3.66E-07	2.74E-07	6.40E-07	6.00E-08	5.31E-08	1.13E-07	4.48E-08	2.71E-08	7.19E-08
1522	563594.86	4234101.94	4.11E-07	3.38E-07	7.49E-07	6.97E-08	5.42E-08	1.24E-07	3.32E-07	2.48E-07	5.80E-07	5.43E-08	4.81E-08	1.02E-07	4.06E-08	2.46E-08	6.51E-08
1523	563604.15	4234109.75	3.96E-07	3.27E-07	7.23E-07	6.73E-08	5.24E-08	1.20E-07	3.20E-07	2.40E-07	5.60E-07	5.24E-08	4.65E-08	9.89E-08	3.92E-08	2.37E-08	6.29E-08
1524	563613.45	4234117.56	3.86E-07	3.18E-07	7.04E-07	6.55E-08	5.10E-08	1.16E-07	3.12E-07	2.33E-07	5.45E-07	5.10E-08	4.52E-08	9.63E-08	3.81E-08	2.31E-08	6.12E-08
1525	563622.74	4234125.37	3.78E-07	3.11E-07	6.89E-07	6.41E-08	4.99E-08	1.14E-07	3.05E-07	2.28E-07	5.34E-07	5.00E-08	4.43E-08	9.43E-08	3.73E-08	2.26E-08	5.99E-08
1526	563632.03	4234133.18	3.62E-07	2.98E-07	6.60E-07	6.14E-08	4.78E-08	1.09E-07	2.92E-07	2.19E-07	5.11E-07	4.79E-08	4.24E-08	9.03E-08	3.57E-08	2.17E-08	5.74E-08
1527	563641.32	4234140.99	3.45E-07	2.84E-07	6.30E-07	5.86E-08	4.56E-08	1.04E-07	2.79E-07	2.09E-07	4.87E-07	4.57E-08	4.05E-08	8.61E-08	3.41E-08	2.07E-08	5.48E-08
1528	563650.61	4234148.8	3.28E-07	2.70E-07	5.99E-07	5.57E-08	4.33E-08	9.90E-08	2.65E-07	1.98E-07	4.63E-07	4.34E-08	3.85E-08	8.19E-08	3.24E-08	1.96E-08	5.21E-08
1529	563659.9	4234156.61	3.11E-07	2.56E-07	5.67E-07	5.28E-08	4.11E-08	9.39E-08	2.51E-07	1.88E-07	4.39E-07	4.11E-08	3.64E-08	7.76E-08	3.07E-08	1.86E-08	4.93E-08
1530	563669.2	4234164.42	2.94E-07	2.42E-07	5.36E-07	4.99E-08	3.88E-08	8.87E-08	2.37E-07	1.78E-07	4.15E-07	3.89E-08	3.44E-08	7.33E-08	2.90E-08	1.76E-08	4.66E-08
1531	563678.49	4234172.23	2.76E-07	2.28E-07	5.04E-07	4.69E-08	3.65E-08	8.34E-08	2.23E-07	1.67E-07	3.90E-07	3.66E-08	3.24E-08	6.90E-08	2.73E-08	1.65E-08	4.38E-08
1532	563585.05	4234094.58	4.25E-07	3.50E-07	7.75E-07	7.21E-08	5.61E-08	1.28E-07	3.43E-07	2.57E-07	6.00E-07	5.62E-08	4.98E-08	1.06E-07	4.20E-08	2.54E-08	6.74E-08
1533	563617.15	4234068.73	3.81E-07	3.14E-07	6.95E-07	6.47E-08	5.04E-08	1.15E-07	3.08E-07	2.30E-07	5.38E-07	5.04E-08	4.47E-08	9.51E-08	3.77E-08	2.28E-08	6.05E-08
1534	563626.61	4234076.69	3.69E-07	3.04E-07	6.72E-07	6.25E-08	4.87E-08	1.11E-07	2.98E-07	2.23E-07	5.20E-07	4.87E-08	4.32E-08	9.19E-08	3.64E-08	2.21E-08	5.85E-08
1535	563636.07	4234084.64	3.57E-07	2.94E-07	6.51E-07	6.06E-08	4.71E-08	1.08E-07	2.88E-07	2.16E-07	5.04E-07	4.72E-08	4.18E-08	8.90E-08	3.52E-08	2.14E-08	5.66E-08
1536	563645.53	4234092.59	3.49E-07	2.88E-07	6.37E-07	5.92E-08	4.61E-08	1.05E-07	2.82E-07	2.11E-07	4.93E-07	4.62E-08	4.09E-08	8.71E-08	3.45E-08	2.09E-08	5.54E-08
1537	563654.99	4234100.55	3.38E-07	2.79E-07	6.17E-07	5.74E-08	4.47E-08	1.02E-07	2.73E-07	2.04E-07	4.78E-07	4.47E-08	3.96E-08	8.44E-08	3.34E-08	2.02E-08	5.37E-08
1538	563664.45	4234108.5	3.23E-07	2.66E-07	5.89E-07	5.48E-08	4.27E-08	9.74E-08	2.61E-07	1.95E-07	4.56E-07	4.27E-08	3.78E-08	8.05E-08	3.19E-08	1.93E-08	5.12E-08
1539	563673.91	4234116.45	3.07E-07	2.53E-07	5.59E-07	5.20E-08	4.05E-08	9.25E-08	2.48E-07	1.85E-07	4.33E-07	4.06E-08	3.59E-08	7.65E-08	3.03E-08	1.84E-08	4.86E-08
1540	563607.25	4234061.31	3.94E-07	3.25E-07	7.19E-07	6.69E-08	5.21E-08	1.19E-07	3.18E-07	2.38E-07	5.57E-07	5.21E-08	4.62E-08	9.84E-08	3.89E-08	2.36E-08	6.25E-08
1541	563214.04	4234603.02	9.19E-06	7.57E-06	1.68E-05	1.56E-06	1.21E-06	2.77E-06	7.42E-06	5.55E-06	1.30E-05	1.22E-06	1.08E-06	2.29E-06	9.08E-07	5.50E-07	1.46E-06
1542	563197.83	4234601.62	1.20E-05	9.91E-06	2.19E-05	2.04E-06	1.59E-06	3.63E-06	9.71E-06	7.27E-06	1.70E-05	1.59E-06	1.41E-06	3.00E-06	1.19E-06	7.20E-07	1.91E-06
1543	563214.9	4234593.06	8.30E-06	6.84E-06	1.51E-05	1.41E-06	1.10E-06	2.50E-06	6.70E-06	5.02E-06	1.17E-05	1.10E-06	9.73E-07	2.07E-06	8.20E-07	4.97E-07	1.32E-06
1544	563198.69	4234591.66	1.07E-05	8.79E-06	1.95E-05	1.81E-06	1.41E-06	3.22E-06	8.62E-06	6.45E-06	1.51E-05	1.41E-06	1.25E-06	2.66E-06	1.05E-06	6.39E-07	1.69E-06
1545	563215.76	4234583.09	7.57E-06	6.24E-06	1.38E-05	1.29E-06	1.00E-06	2.29E-06	6.12E-06	4.58E-06	1.07E-05	1.00E-06	8.88E-07	1.89E-06	7.48E-07	4.53E-07	1.20E-06
1546	563199.55	4234581.69	9.58E-06	7.89E-06	1.75E-05	1.63E-06	1.27E-06	2.89E-06	7.74E-06	5.79E-06	1.35E-05	1.27E-06	1.12E-06	2.39E-06	9.46E-07	5.73E-07	1.52E-06
1547	563216.62	4234573.13	6.97E-06	5.74E-06	1.27E-05	1.18E-06	9.20E-07	2.10E-06	5.63E-06	4.21E-06	9.84E-06	9.22E-07	8.17E-07	1.74E-06	6.88E-07	4.17E-07	1.11E-06
1548	563200.41	4234571.73	8.68E-06	7.15E-06	1.58E-05	1.47E-06	1.15E-06	2.62E-06	7.01E-06	5.24E-06	1.23E-05	1.15E-06	1.02E-06	2.16E-06	8.57E-07	5.19E-07	1.38E-06
1549	563217.48	4234563.17	6.45E-06	5.32E-06	1.18E-05	1.10E-06	8.52E-07	1.95E-06	5.21E-06	3.90E-06	9.11E-06	8.53E-07	7.56E-07	1.61E-06	6.37E-07	3.86E-07	1.02E-06
1550	563201.28	4234561.77	7.92E-06	6.52E-06	1.44E-05	1.34E-06	1.05E-06	2.39E-06	6.39E-06	4.79E-06	1.12E-05	1.05E-06	9.28E-07	1.98E-06	7.82E-07	4.74E-07	1.26E-06
1551	563218.34	4234553.2	6.01E-06	4.95E-06	1.10E-05	1.02E-06	7.93E-07	1.81E-06	4.85E-06	3.63E-06	8.48E-06	7.94E-07	7.04E-07	1.50E-06	5.93E-07	3.60E-07	9.53E-07
1552	563202.14	4234551.8	7.27E-06	5.99E-06	1.33E-05	1.23E-06	9.61E-07	2.20E-06	5.87E-06	4.40E-06	1.03E-05	9.62E-07	8.52E-07	1.81E-06	7.18E-07	4.35E-07	1.15E-06
1553	563260.81	4234555.69	3.52E-06	2.90E-06	6.42E-06	5.97E-07	4.65E-07	1.06E-06	2.84E-06	2.13E-06	4.97E-06	4.65E-07	4.12E-07	8.77E-07	3.47E-07	2.11E-07	5.58E-07
1554	563219.2	4234543.24	5.62E-06	4.63E-06	1.02E-05	9.53E-07	7.42E-07	1.70E-06	4.54E-06	3.39E-06	7.93E-06	7.43E-07	6.58E-07	1.40E-06	5.55E-07	3.36E-07	8.91E-07
1555	563203	4234541.84	6.71E-06	5.53E-06	1.22E-05	1.14E-06	8.86E-07	2.02E-06	5.42E-06	4.05E-06	9.47E-06	8.87E-07	7.86E-07	1.67E-06	6.62E-07	4.01E-07	1.06E-06
1556	563264.2	4234536.35	3.20E-06	2.64E-06	5.84E-06	5.43E-07	4.23E-07	9.66E-07	2.58E-06	1.93E-06	4.52E-06	4.23E-07	3.75E-07	7.98E-07	3.16E-07	1.92E-07	5.08E-07
1557	563220.92	4234523.32	4.96E-06	4.09E-06	9.05E-06	8.42E-07	6.55E-07	1.50E-06	4.01E-06	3.00E-06	7.01E-06	6.56E-07	5.81E-07	1.24E-06	4.90E-07	2.97E-07	7.87E-07
1558	563204.72	4234521.92	5.76E-06	4.75E-06	1.05E-05	9.78E-07	7.61E-07	1.74E-06	4.65E-06	3.48E-06	8.13E-06	7.62E-07	6.75E-07	1.44E-06	5.69E-07	3.45E-07	9.14E-07
1559	563267.23	4234516.88	2.92E-06	2.41E-06	5.33E-06	4.96E-07	3.86E-07	8.81E-07	2.36E-06	1.76E-06	4.12E-06	3.86E-07	3.42E-07	7.28E-07	2.88E-07	1.75E-07	4.63E-07
1560	563281.82	4234522	2.50E-06	2.06E-06	4.56E-06	4.25E-07	3.30E-07	7.55E-07	2.02E-06	1.51E-06	3.53E-06	3.31E-07	2.93E-07	6.24E-07	2.47E-07	1.50E-07	3.97E-07
1561	563222.65	4234503.39	4.37E-06	3.60E-06	7.97E-06	7.41E-07	5.77E-07	1.32E-06	3.53E-06	2.64E-06	6.17E-06	5.78E-07	5.12E-07	1.09E-06	4.32E-07	2.62E-07	6.93E-07
1562	563206.44	4234501.99	4.99E-06	4.12E-06	9.11E-06	8.48E-07	6.60E-07	1.51E-06	4.03E-06	3.02E-06	7.05E-06	6.61E-07	5.85E-07	1.25E-06	4.93E-07	2.99E-07	7.92E-07
1563	563254.98	4234492.06	3.08E-06	2.54E-06	5.62E-06	5.23E-07	4.07E-07	9.30E-07	2.49E-06	1.86E-06	4.35E-06	4.08E-07	3.61E-07	7.69E-07	3.04E-07	1.84E-07	4.89E-07
1564	563269.99	4234497.32	2.71E-06	2.23E-06	4.94E-06	4.59E-07	3.58E-07	8.17E-07	2.19E-06	1.64E-06	3.82E-06	3.58E-07	3.17E-07	6.75E-07	2.67E-07	1.62E-07	4.29E-07
1565	563285	4234502.59	2.34E-06	1.92E-06	4.26E-06	3.96E-07	3.08E-07	7.05E-07	1.89E-06	1.41E-06	3.30E-06	3.09E-07	2.74E-07	5.83E-07	2.31E-07	1.40E-07	3.70E-07
1566	563224.37	4234483.46	3.87E-06	3.19E-06	7.06E-06	6.57E-07	5.11E-07	1.17E-06	3.12E-06	2.34E-06	5.46E-06	5.12E-07	4.54E-07	9.65E-07	3.82E-07	2.32E-07	6.14E-07
1567	563208.16	4234482.06	4.37E-06	3.60E-06	7.98E-06	7.42E-07	5.78E-07	1.32E-06	3.53E-06	2.64E-06	6.18E-06	5.78E-07	5.13E-07	1.09E-06	4.32E-07	2.62E-07	6.94E-07
1568	563257.22	4234472.31	2.84E-06	2.34E-06	5.19E-06	4.83E-07	3.76E-07	8.58E-07	2.30E-06	1.72E-06	4.01E-06	3.76E-07	3.33E-07	7.09E-07	2.81E-07	1.70E-07	4.51E-07
1569	563272.56	4234477.7	2.53E-06	2.08E-06	4.61E-06	4.29E-07	3.34E-07	7.63E-07	2.04E-06	1.53E-06	3.57E-06	3.34E-07	2.96E-07	6.31E-07	2.50E-07	1.51E-07	4.01E-07
1570	563287.91	4234483.08	2.20E-06	1.81E-06	4.01E-06	3.73E-07	2.91E-07	6.64E-07	1.78E-06	1.33E-06	3.11E-06	2.91E-07	2.58E-07	5.49E-07	2.17E-07	1.32E-07	3.49E-07
1571	563303.26	4234488.46	1.90E-06	1.57E-06	3.47E-06	3.23E-07	2.51E-07	5.74E-07	1.53E-06	1.15E-06	2.68E-06	2.51E-07	2.23E-07	4.74E-07	1.88E-07	1.14E-07	3.01E-07
1572	563226.09	4234463.54	3.51E-06	2.89E-06	6.39E-06	5.95E-07	4.63E-07	1.06E-06	2.83E-06	2.12E-06	4.95E-06	4.64E-07	4.11E-07	8.74E-07	3.46E-07	2.10E-07	5.56E-07
1573	563209.88	4234462.14	3.90E-06	3.22E-06	7.12E-06	6.62E-07	5.16E-07	1.18E-06	3.15E-06	2.36E-06	5.51E-06	5.16E-07	4.58E-07	9.74E-07	3.86E-07	2.34E-07	6.19E-07
1574	563257.56	4234451.9	2.66E-06	2.19E-06	4.86E-06	4.52E-07	3.52E-07	8.04E-07	2.15E-06	1.61E-06	3.76E-06	3.52E-07	3.12E-07	6.64E-07	2.63E-07	1.59E-07	4.22E-07
1575	563271.99	4234456.96	2.42E-06	2.00E-06	4.42E-06	4.11E-07	3.20E-07	7.31E-07	1.96E-06	1.46E-06	3.42E-06	3.20E-07	2.84E-07	6.04E-07	2.39E-07	1.45E-07	3.84E-07
1576	563286.42	4234462.03	2.15E-06	1.77E-06	3.93E-06	3.65E-07	2.84E-07	6.50E-07	1.74E-06	1.30E-06	3.04E-06	2.85E-07	2.52E-07	5.37E-07	2.13E-07	1.29E-07	3.42E-07
1577	563300.85	4234467.09	1.90E-06	1.56E-06	3.46E-06	3.22E-07	2.51E-07	5.73E-07	1.53E-06	1.15E-06	2.68E-06	2.51E-07	2.23E-07	4.74E-07	1.88E-07	1.14E-07	3.01E-07

1578	563315.28	4234472.15	1.68E-06	1.38E-06	3.06E-06	2.85E-07	2.22E-07	5.06E-07	1.36E-06	1.01E-06	2.37E-06	2.22E-07	1.97E-07	4.19E-07	1.66E-07	1.00E-07	2.66E-07
1579	563227.81	4234443.61	3.16E-06	2.60E-06	5.77E-06	5.36E-07	4.17E-07	9.54E-07	2.55E-06	1.91E-06	4.46E-06	4.18E-07	3.70E-07	7.88E-07	3.12E-07	1.89E-07	5.01E-07
1580	563211.6	4234442.21	3.48E-06	2.87E-06	6.35E-06	5.91E-07	4.60E-07	1.05E-06	2.81E-06	2.11E-06	4.92E-06	4.61E-07	4.08E-07	8.69E-07	3.44E-07	2.08E-07	5.52E-07
1581	563259.74	4234432.14	2.44E-06	2.01E-06	4.45E-06	4.14E-07	3.22E-07	7.36E-07	1.97E-06	1.47E-06	3.44E-06	3.23E-07	2.86E-07	6.08E-07	2.41E-07	1.46E-07	3.87E-07
1582	563274.48	4234437.31	2.24E-06	1.84E-06	4.08E-06	3.80E-07	2.95E-07	6.75E-07	1.81E-06	1.35E-06	3.16E-06	2.96E-07	2.62E-07	5.58E-07	2.21E-07	1.34E-07	3.55E-07
1583	563289.22	4234442.48	2.02E-06	1.66E-06	3.68E-06	3.43E-07	2.67E-07	6.09E-07	1.63E-06	1.22E-06	2.85E-06	2.67E-07	2.37E-07	5.04E-07	1.99E-07	1.21E-07	3.20E-07
1584	563303.97	4234447.65	1.80E-06	1.48E-06	3.29E-06	3.06E-07	2.38E-07	5.44E-07	1.45E-06	1.09E-06	2.54E-06	2.38E-07	2.11E-07	4.49E-07	1.78E-07	1.08E-07	2.86E-07
1585	563318.71	4234452.82	1.61E-06	1.32E-06	2.93E-06	2.73E-07	2.12E-07	4.85E-07	1.30E-06	9.71E-07	2.27E-06	2.12E-07	1.88E-07	4.01E-07	1.59E-07	9.61E-08	2.55E-07
1586	563229.53	4234423.69	2.86E-06	2.35E-06	5.21E-06	4.85E-07	3.77E-07	8.62E-07	2.31E-06	1.73E-06	4.03E-06	3.78E-07	3.35E-07	7.13E-07	2.82E-07	1.71E-07	4.53E-07
1587	563213.32	4234422.29	3.12E-06	2.57E-06	5.70E-06	5.30E-07	4.13E-07	9.43E-07	2.52E-06	1.89E-06	4.41E-06	4.13E-07	3.66E-07	7.79E-07	3.08E-07	1.87E-07	4.95E-07
1588	563261.87	4234412.36	2.27E-06	1.87E-06	4.13E-06	3.84E-07	2.99E-07	6.83E-07	1.83E-06	1.37E-06	3.20E-06	3.00E-07	2.65E-07	5.65E-07	2.24E-07	1.36E-07	3.59E-07
1589	563276.88	4234417.62	2.08E-06	1.72E-06	3.80E-06	3.54E-07	2.75E-07	6.29E-07	1.68E-06	1.26E-06	2.94E-06	2.76E-07	2.44E-07	5.20E-07	2.06E-07	1.25E-07	3.31E-07
1590	563291.88	4234422.88	1.90E-06	1.56E-06	3.46E-06	3.22E-07	2.51E-07	5.73E-07	1.53E-06	1.15E-06	2.68E-06	2.51E-07	2.23E-07	4.74E-07	1.88E-07	1.14E-07	3.01E-07
1591	563306.89	4234428.15	1.72E-06	1.42E-06	3.13E-06	2.91E-07	2.27E-07	5.18E-07	1.39E-06	1.04E-06	2.43E-06	2.27E-07	2.01E-07	4.28E-07	1.70E-07	1.03E-07	2.72E-07
1592	563321.9	4234433.41	1.55E-06	1.28E-06	2.83E-06	2.63E-07	2.05E-07	4.68E-07	1.25E-06	9.37E-07	2.19E-06	2.05E-07	1.82E-07	3.87E-07	1.53E-07	9.28E-08	2.46E-07
1593	563336.91	4234438.67	1.39E-06	1.14E-06	2.53E-06	2.36E-07	1.83E-07	4.19E-07	1.12E-06	8.39E-07	1.96E-06	1.84E-07	1.63E-07	3.46E-07	1.37E-07	8.31E-08	2.20E-07
1594	563215.05	4234402.36	2.85E-06	2.35E-06	5.20E-06	4.83E-07	3.76E-07	8.60E-07	2.30E-06	1.72E-06	4.02E-06	3.77E-07	3.34E-07	7.11E-07	2.81E-07	1.71E-07	4.52E-07
1595	563263.94	4234392.55	2.12E-06	1.74E-06	3.86E-06	3.59E-07	2.80E-07	6.39E-07	1.71E-06	1.28E-06	2.99E-06	2.80E-07	2.48E-07	5.28E-07	2.09E-07	1.27E-07	3.36E-07
1596	563279.18	4234397.9	1.96E-06	1.62E-06	3.58E-06	3.33E-07	2.59E-07	5.92E-07	1.58E-06	1.18E-06	2.77E-06	2.59E-07	2.30E-07	4.89E-07	1.94E-07	1.17E-07	3.11E-07
1597	563294.43	4234403.25	1.80E-06	1.48E-06	3.28E-06	3.05E-07	2.37E-07	5.42E-07	1.45E-06	1.09E-06	2.54E-06	2.38E-07	2.11E-07	4.48E-07	1.78E-07	1.08E-07	2.85E-07
1598	563309.67	4234408.59	1.64E-06	1.35E-06	2.99E-06	2.78E-07	2.16E-07	4.94E-07	1.32E-06	9.89E-07	2.31E-06	2.16E-07	1.92E-07	4.08E-07	1.62E-07	9.80E-08	2.60E-07
1599	563324.91	4234413.94	1.49E-06	1.23E-06	2.71E-06	2.52E-07	1.96E-07	4.49E-07	1.20E-06	8.99E-07	2.10E-06	1.97E-07	1.74E-07	3.71E-07	1.47E-07	8.90E-08	2.36E-07
1600	563340.15	4234419.28	1.35E-06	1.11E-06	2.46E-06	2.28E-07	1.78E-07	4.06E-07	1.09E-06	8.14E-07	1.90E-06	1.78E-07	1.58E-07	3.36E-07	1.33E-07	8.06E-08	2.14E-07
1601	563216.77	4234382.43	2.61E-06	2.15E-06	4.77E-06	4.43E-07	3.45E-07	7.88E-07	2.11E-06	1.58E-06	3.69E-06	3.46E-07	3.06E-07	6.52E-07	2.58E-07	1.56E-07	4.14E-07
1602	563264.68	4234372.28	2.00E-06	1.64E-06	3.64E-06	3.39E-07	2.64E-07	6.02E-07	1.61E-06	1.21E-06	2.82E-06	2.64E-07	2.34E-07	4.98E-07	1.97E-07	1.19E-07	3.17E-07
1603	563279.28	4234377.4	1.87E-06	1.54E-06	3.41E-06	3.17E-07	2.47E-07	5.63E-07	1.51E-06	1.13E-06	2.64E-06	2.47E-07	2.19E-07	4.66E-07	1.84E-07	1.12E-07	2.96E-07
1604	563293.87	4234382.52	1.73E-06	1.43E-06	3.16E-06	2.94E-07	2.29E-07	5.23E-07	1.40E-06	1.05E-06	2.45E-06	2.29E-07	2.03E-07	4.32E-07	1.71E-07	1.04E-07	2.75E-07
1605	563308.46	4234387.64	1.60E-06	1.31E-06	2.91E-06	2.71E-07	2.11E-07	4.81E-07	1.29E-06	9.64E-07	2.25E-06	2.11E-07	1.87E-07	3.98E-07	1.58E-07	9.55E-08	2.53E-07
1606	563323.05	4234392.75	1.46E-06	1.20E-06	2.66E-06	2.48E-07	1.93E-07	4.40E-07	1.18E-06	8.82E-07	2.06E-06	1.93E-07	1.71E-07	3.64E-07	1.44E-07	8.73E-08	2.31E-07
1607	563337.64	4234397.87	1.33E-06	1.10E-06	2.43E-06	2.26E-07	1.76E-07	4.02E-07	1.08E-06	8.05E-07	1.88E-06	1.76E-07	1.56E-07	3.32E-07	1.32E-07	7.97E-08	2.11E-07
1608	563352.23	4234402.99	1.22E-06	1.01E-06	2.22E-06	2.07E-07	1.61E-07	3.68E-07	9.85E-07	7.37E-07	1.72E-06	1.61E-07	1.43E-07	3.04E-07	1.20E-07	7.30E-08	1.93E-07
1609	563218.49	4234362.51	2.41E-06	1.98E-06	4.39E-06	4.08E-07	3.18E-07	7.26E-07	1.94E-06	1.45E-06	3.40E-06	3.18E-07	2.82E-07	6.00E-07	2.38E-07	1.44E-07	3.82E-07
1610	563266.74	4234352.47	1.87E-06	1.54E-06	3.42E-06	3.18E-07	2.47E-07	5.65E-07	1.51E-06	1.13E-06	2.65E-06	2.48E-07	2.20E-07	4.67E-07	1.85E-07	1.12E-07	2.97E-07
1611	563281.55	4234357.67	1.76E-06	1.45E-06	3.21E-06	2.99E-07	2.33E-07	5.31E-07	1.42E-06	1.06E-06	2.49E-06	2.33E-07	2.06E-07	4.39E-07	1.74E-07	1.05E-07	2.79E-07
1612	563296.36	4234362.86	1.64E-06	1.35E-06	3.00E-06	2.79E-07	2.17E-07	4.96E-07	1.33E-06	9.92E-07	2.32E-06	2.17E-07	1.92E-07	4.10E-07	1.62E-07	9.83E-08	2.60E-07
1613	563311.17	4234368.06	1.52E-06	1.25E-06	2.77E-06	2.58E-07	2.01E-07	4.59E-07	1.23E-06	9.18E-07	2.15E-06	2.01E-07	1.78E-07	3.79E-07	1.50E-07	9.10E-08	2.41E-07
1614	563325.98	4234373.25	1.40E-06	1.15E-06	2.55E-06	2.37E-07	1.85E-07	4.22E-07	1.13E-06	8.44E-07	1.97E-06	1.85E-07	1.64E-07	3.48E-07	1.38E-07	8.36E-08	2.22E-07
1615	563340.79	4234378.45	1.28E-06	1.06E-06	2.34E-06	2.18E-07	1.70E-07	3.87E-07	1.04E-06	7.76E-07	1.81E-06	1.70E-07	1.50E-07	3.20E-07	1.27E-07	7.68E-08	2.04E-07
1616	563355.6	4234383.64	1.18E-06	9.73E-07	2.15E-06	2.00E-07	1.56E-07	3.56E-07	9.54E-07	7.14E-07	1.67E-06	1.56E-07	1.38E-07	2.95E-07	1.17E-07	7.07E-08	1.87E-07
1617	563370.41	4234388.83	1.08E-06	8.88E-07	1.97E-06	1.83E-07	1.42E-07	3.25E-07	8.71E-07	6.52E-07	1.52E-06	1.43E-07	1.26E-07	2.69E-07	1.06E-07	6.45E-08	1.71E-07
1618	563220.21	4234342.58	2.23E-06	1.83E-06	4.06E-06	3.78E-07	2.94E-07	6.72E-07	1.80E-06	1.35E-06	3.14E-06	2.94E-07	2.61E-07	5.55E-07	2.20E-07	1.33E-07	3.53E-07
1619	563270.74	4234312.82	1.66E-06	1.37E-06	3.03E-06	2.82E-07	2.20E-07	5.02E-07	1.34E-06	1.00E-06	2.35E-06	2.20E-07	1.95E-07	4.15E-07	1.64E-07	9.95E-08	2.64E-07
1620	563285.93	4234318.15	1.59E-06	1.31E-06	2.89E-06	2.69E-07	2.09E-07	4.78E-07	1.28E-06	9.58E-07	2.24E-06	2.10E-07	1.86E-07	3.95E-07	1.57E-07	9.49E-08	2.51E-07
1621	563301.12	4234323.47	1.50E-06	1.23E-06	2.73E-06	2.54E-07	1.98E-07	4.51E-07	1.21E-06	9.04E-07	2.11E-06	1.98E-07	1.75E-07	3.73E-07	1.48E-07	8.95E-08	2.37E-07
1622	563316.3	4234328.8	1.40E-06	1.16E-06	2.56E-06	2.38E-07	1.85E-07	4.23E-07	1.13E-06	8.47E-07	1.98E-06	1.85E-07	1.64E-07	3.50E-07	1.38E-07	8.39E-08	2.22E-07
1623	563331.49	4234334.13	1.31E-06	1.08E-06	2.40E-06	2.23E-07	1.73E-07	3.96E-07	1.06E-06	7.94E-07	1.85E-06	1.74E-07	1.54E-07	3.28E-07	1.30E-07	7.86E-08	2.08E-07
1624	563346.68	4234339.45	1.21E-06	9.99E-07	2.21E-06	2.06E-07	1.60E-07	3.66E-07	9.79E-07	7.33E-07	1.71E-06	1.60E-07	1.42E-07	3.02E-07	1.20E-07	7.25E-08	1.92E-07
1625	563361.86	4234344.78	1.11E-06	9.18E-07	2.03E-06	1.89E-07	1.47E-07	3.36E-07	9.00E-07	6.74E-07	1.57E-06	1.47E-07	1.31E-07	2.78E-07	1.10E-07	6.67E-08	1.77E-07
1626	563377.05	4234350.1	1.03E-06	8.46E-07	1.87E-06	1.74E-07	1.36E-07	3.10E-07	8.30E-07	6.21E-07	1.45E-06	1.36E-07	1.20E-07	2.56E-07	1.01E-07	6.15E-08	1.63E-07
1627	563392.24	4234355.43	9.40E-07	7.74E-07	1.71E-06	1.59E-07	1.24E-07	2.84E-07	7.59E-07	5.68E-07	1.33E-06	1.24E-07	1.10E-07	2.34E-07	9.28E-08	5.62E-08	1.49E-07
1628	563223.65	4234302.73	1.93E-06	1.59E-06	3.51E-06	3.27E-07	2.54E-07	5.81E-07	1.55E-06	1.16E-06	2.72E-06	2.55E-07	2.26E-07	4.80E-07	1.90E-07	1.15E-07	3.05E-07
1629	563258.83	4234267.58	1.56E-06	1.28E-06	2.84E-06	2.65E-07	2.06E-07	4.70E-07	1.26E-06	9.42E-07	2.20E-06	2.06E-07	1.83E-07	3.89E-07	1.54E-07	9.33E-08	2.47E-07
1630	563273.68	4234272.79	1.49E-06	1.23E-06	2.73E-06	2.54E-07	1.97E-07	4.51E-07	1.21E-06	9.03E-07	2.11E-06	1.98E-07	1.75E-07	3.73E-07	1.48E-07	8.95E-08	2.37E-07
1631	563288.53	4234278	1.44E-06	1.19E-06	2.63E-06	2.45E-07	1.91E-07	4.36E-07	1.17E-06	8.73E-07	2.04E-06	1.91E-07	1.69E-07	3.60E-07	1.43E-07	8.65E-08	2.29E-07
1632	563303.39	4234283.21	1.39E-06	1.15E-06	2.54E-06	2.36E-07	1.84E-07	4.20E-07	1.12E-06	8.41E-07	1.96E-06	1.84E-07	1.63E-07	3.47E-07	1.37E-07	8.33E-08	2.21E-07
1633	563318.24	4234288.42	1.33E-06	1.09E-06	2.42E-06	2.25E-07	1.75E-07	4.00E-07	1.07E-06	8.01E-07	1.87E-06	1.75E-07	1.55E-07	3.31E-07	1.31E-07	7.94E-08	2.10E-07
1634	563333.09	4234293.63	1.25E-06	1.03E-06	2.28E-06	2.12E-07	1.65E-07	3.77E-07	1.01E-06	7.55E-07	1.76E-06	1.65E-07	1.46E-07	3.12E-07	1.23E-07	7.48E-08	1.98E-07
1635	563347.94	4234298.84	1.17E-06	9.67E-07	2.14E-06	1.99E-07	1.55E-07	3.54E-07	9.48E-07	7.09E-07	1.66E-06	1.55E-07	1.38E-07	2.93E-07	1.16E-07	7.03E-08	1.86E-07
1636	563362.79	4234304.05	1.11E-06	9.11E-07	2.02E-06	1.88E-07	1.46E-07	3.34E-07	8.92E-07	6.68E-07	1.56E-06	1.46E-07	1.30E-07	2.76E-07	1.09E-07	6.62E-08	1.75E-07
1637	563377.65	4234309.25	1.02E-06	8.43E-07	1.87E-06	1.74E-07	1.35E-07	3.09E-07	8.26E-07	6.19E-07	1.45E-06	1.35E-07	1.20E-07	2.55E-07	1.01E-07	6.13E-08	1.62E-07
1638	563392.5	4234314.46	9.47E-07	7.80E-07	1.73E-06	1.61E-07	1.25E-07	2.86E-07	7.65E-07	5.72E-07	1.34E-06	1.25E-07	1.11E-07	2.36E-07	9.35E-08	5.67E-08	1.50E-07
1639	563407.35	4234319.67	8.73E-07	7.19E-07	1.59E-06	1.48E-07	1.15E-07	2.63E-07	7.05E-07	5.28E-07	1.23E-06	1.15E-07	1.02E-07	2.18E-07	8.62E-08	5.22E-08	1.38E-07
1640	563227.09	4234262.88	1.69E-06	1.40E-06	3.09E-06	2.87E-07	2.24E-07	5.11E-07	1.37E-06	1.02E-06	2.39E-06	2.24E-07	1.99E-07	4.23E-07	1.67E-07	1.01E-07	2.69E-07
1641	563262.42	4234227.79	1.42E-06	1.17E-06	2.59E-06	2.41E-07	1.88E-07	4.29E-07	1.15E-06	8.59E-07	2.01E-06	1.88E-07	1.67E-07	3.55E-07	1.40E-07	8.51E-08	2.26E-07
1642	563277.58	4234233.1	1.38E-06	1.13E-06	2.51E-06	2.34E-07	1.82E-07	4.15E-07	1.11E-06	8.32E-07	1.94E-06	1.82E-07	1.61E-07	3.43E-07	1.36E-07	8.24E-08	2.18E-07
1643	563292.73	4234238.41	1.33E-06	1.09E-06	2.42E-06	2.25E-07	1.75E-07	4.00E-07	1.07E-06	8.01E-07	1.87E-06	1.75E-07	1.55E-07	3.31E-07	1.31E-07	7.93E-08	2.10E-07
1644	563307.88	4234243.73	1.27E-06	1.05E-06	2.32E-06	2.16E-07	1.68E-07	3.84E-07	1.03E-06	7.69E-07	1.80E-06	1.68E-07	1.49E-07	3.18E-07	1.26E-07	7.62E-08	2.02E-07
1645	563323.03	4234249.04	1.23E-06	1.01E-06	2.24E-06	2.09E-07	1.62E-07	3.71E-07	9.92E-07	7.43E-07	1.74E-06	1.63E-07	1.44E-07	3.07E-07	1.21E-07	7.36E-08	1.95E-07
1646	563338.19	4234254.36	1.17E-06	9.68E-07	2.14E-06	1.99E-07	1.55E-07	3.55E-07	9.49E-07	7.10E-07	1.66E-06	1.55E-07	1.38E-07	2.93E-07	1.16E-07	7.03E-08	1.86E-07
1647	563353.34	4234259.67	1.10E-06	9.10E-07	2.01E-06	1.87E-07	1.46E-07	3.33E-07	8.92E-07	6.68E-07	1.56E-06	1.46E-07	1.29E-07	2.76E-07	1.09E-07	6.61E-08	1.75E-07
1648	563368.49	4234264.98	1.03E-06	8.52E-07	1.89E-06	1.76E-07	1.37E-07	3.12E-07	8.35E-07	6.25E-07	1.46E-06	1.37E-07	1.21E-07	2.58E-07	1.02E-07	6.19E-08	1.64E-07
1649	563383.64	4234270.3	9.65E-07	7.95E-07	1.76E-06	1.64E-07	1.27E-07	2.91E-07	7.79E-07	5.83E-07	1.36E-06	1.28E-07	1.13E-07	2.41E-07	9.53E-08	5.78E-08	1.53E-07
1650	563398.8	4234275.61	8.98E-07	7.40E-07	1.64E-06	1.52E-07	1.19E-07	2.71E-07	7.25E-07	5.43E-07	1.27E-06	1.19E-07	1.05E-07	2.24E-07	8.87E-08	5.37E-08	1.42E-07
1651	563413.95	4234280.93	8.33E-07	6.86E-07	1.52E-06	1.41E-07	1.10E-07	2.51E-07	6.73E-07	5.04E-07	1.18E-06	1.10E-07	9.76E-08	2.08E-07	8.23E-08	4.99E-08	1.32E-07
1652	563429.1	4234286.24	7.71E-07	6.35E-07	1.41E-06	1.31E-07	1.02E-07	2.33E-07	6.23E-07	4.66E-07	1.09E-06	1.02E-07	9.04E-08	1.92E-07	7.62E-08	4.62E-08	1.22E-07
1653	563230.54	4234223.03	1.52E-06	1.26E-06	2.78E-06	2.59E-07	2.01E-07	4.60E-07	1.23E-06	9.21E-07	2.15E-06	2.02E-07	1.79E-07	3.80E-07	1.51E-07	9.12E-08	2.42E-07
1654	563265.73	4234187.89	1.28E-06	1.06E-06	2.34E-06	2.18E-07	1.69E-07	3.87E-07	1.04E-06	7.75E-07	1.81E-06	1.70E-07	1.50E-07	3.20E-07	1.27E-07	7.67E-08	2.03E-07
1655	563280.61	4234193.1	1.25E-06	1.03E-06	2.29E-06	2.13E-07	1.66E-07	3.79E-07	1.01E-06	7.58E-07	1.77E-06	1.66E-07	1.47E-07	3.13E-07	1.24E-07	7.51E-08	1.99E-07
1656	563295.49	4234198.32	1.22E-06	1.01E-06	2.23E-06	2.08E-07	1.62E-07	3.70E-07	9.89E-07	7.40E-07	1.73E-06	1.62E-07	1.44E-07	3.06E-07	1.21E-07	7.33E-08	1.94E-07
1657	563310.37	4234203.54	1.18E-06	9.76E-07	2.16E-06	2.01E-07	1.56E-07	3.57E-07	9.56E-07	7.16E-07	1.67E-06	1.57E-07	1.39E-07	2.95E-07	1.17E-07	7.09E-08	1.88E-07
1658	563325.24	4234208.76	1.14E-06	9.42E-07	2.09E-06	1.94E-07	1.51E-07	3.45E-07	9.23E-07	6.91E-07	1.61E-06	1.51E-07	1.34E-07	2.85E-07	1.13E-07	6.85E-08	1.81E-07
1659	563340.12	4234213.98	1.10E-06	9.04E-07	2.00E-06	1.86E-07	1.45E-07	3.31E-07	8.86E-07	6.63E-07	1.55E-06	1.45E-07	1.29E-07	2.74E-07	1.08E-07	6.57E-08	1.74E-07
1660	563355	4234219.2	1.04E-06	8.58E-07	1.90E-06	1.77E-07	1.38E-07	3.14E-07	8.41E-07	6.29E-07	1.47E-06	1.38E-07	1.22E-07	2.60E-07	1.03E-07	6.23E-08	1.65E-07
1661	563369.88	4234224.41	9.84E-07	8.10E-07	1.79E-06	1.67E-07	1.30E-07	2.97E-07	7.94E-07	5.94E-07	1.39E-06	1.30E-07	1.15E-07	2.45E-07	9.71E-08	5.89E-08	1.56E-07
1662	563384.76	4234229.63	9.26E-07	7.63E-07	1.69E-06	1.57E-07	1.22E-07	2.79E-07	7.48E-07	5.60E-07	1.31E-06	1.22E-07	1.09E-07	2.31E-07	9.15E-08	5.54E-08	1.47E-07
1663	563399.64	4234234.85	8.70E-07	7.16E-07	1.59E-06	1.48E-07	1.15E-07	2.62E-07	7.02E-07	5.26E-07	1.23E-06	1.15E-07	1.02E-07	2.17E-07	8.59E-08	5.21E-08	1.38E-07
1664	563414.52	4234240.07	8.15E-07	6.71E-07	1.49E-06	1.38E-07	1.08E-07	2.46E-07	6.58E-07	4.92E-07	1.15E-06	1.08E-07	9.55E-08	2.03E-07	8.05E-08	4.88E-08	1.29E-07
1665	563429.4	4234245.29	7.61E-07	6.27E-07	1.39E-06	1.29E-07	1.01E-07	2.30E-07	6.15E-07	4.60E-07	1.07E-06	1.01E-07	8.92E-08	1.90E-07	7.52E-08	4.56E-08	1.21E-07
1666	563269.3	4234148.08	1.16E-06	9.58E-07	2.12E-06	1.97E-07	1.54E-07	3.51E-07	9.39E-07	7.03E-07	1.64E-06	1.54E-07	1.36E-07	2.90E-07	1.15E-07	6.96E-08	1.84E-07
1667	563284.43	4234153.38	1.14E-06	9.36E-07	2.07E-06	1.93E-07	1.50E-07	3.43E-07	9.18E-07	6.87E-07	1.60E-06	1.50E-07	1.33E-07	2.84E-07	1.12E-07	6.80E-08	1.80E-07
1668	563299.56	4234158.69	1.11E-06	9.13E-07	2.02E-06	1.88E-07	1.46E-07	3.34E-07	8.95E-07	6.70E-07	1.56E-06	1.47E-07	1.30E-07	2.76E-07	1.09E-07	6.63E-08	1.76E-07
1669	563314.68	4234164	1.09E-06	8.95E-07	1.98E-06	1.84E-07	1.43E-07	3.28E-07	8.77E-07	6.57E-07	1.53E-06	1.44E-07	1.27E-07	2.71E-07	1.07E-07	6.50E-08	1.72E-07
1670	563329.81	4234169.3	1.06E-06	8.72E-07	1.93E-06	1.80E-07	1.40E-07	3.19E-07	8.55E-07	6.40E-07	1.49E-06	1.40E-07	1.24E-07	2.64E-07	1.05E-07	6.34E-08	1.68E-07

1671	563344.94	4234174.61	1.02E-06	8.37E-07	1.85E-06	1.72E-07	1.34E-07	3.07E-07	8.20E-07	6.14E-07	1.43E-06	1.34E-07	1.19E-07	2.53E-07	1.00E-07	6.08E-08	1.61E-07
1672	563360.07	4234179.91	9.69E-07	7.98E-07	1.77E-06	1.64E-07	1.28E-07	2.92E-07	7.82E-07	5.85E-07	1.37E-06	1.28E-07	1.14E-07	2.42E-07	9.57E-08	5.80E-08	1.54E-07
1673	563375.2	4234185.22	9.20E-07	7.58E-07	1.68E-06	1.56E-07	1.21E-07	2.78E-07	7.43E-07	5.56E-07	1.30E-06	1.22E-07	1.08E-07	2.29E-07	9.08E-08	5.51E-08	1.46E-07
1674	563390.33	4234190.53	8.71E-07	7.17E-07	1.59E-06	1.48E-07	1.15E-07	2.63E-07	7.03E-07	5.26E-07	1.23E-06	1.15E-07	1.02E-07	2.17E-07	8.60E-08	5.21E-08	1.38E-07
1675	563405.46	4234195.83	8.14E-07	6.71E-07	1.49E-06	1.38E-07	1.08E-07	2.46E-07	6.57E-07	4.92E-07	1.15E-06	1.08E-07	9.54E-08	2.03E-07	8.04E-08	4.87E-08	1.29E-07
1676	563420.59	4234201.14	7.62E-07	6.28E-07	1.39E-06	1.29E-07	1.01E-07	2.30E-07	6.15E-07	4.61E-07	1.08E-06	1.01E-07	8.93E-08	1.90E-07	7.53E-08	4.56E-08	1.21E-07
1677	563481.11	4234222.36	5.81E-07	4.79E-07	1.06E-06	9.86E-08	7.67E-08	1.75E-07	4.69E-07	3.51E-07	8.20E-07	7.68E-08	6.81E-08	1.45E-07	5.74E-08	3.48E-08	9.22E-08
1678	563272.85	4234108.27	1.04E-06	8.60E-07	1.90E-06	1.77E-07	1.38E-07	3.15E-07	8.43E-07	6.31E-07	1.47E-06	1.38E-07	1.22E-07	2.60E-07	1.03E-07	6.25E-08	1.66E-07
1679	563288.2	4234113.65	1.03E-06	8.48E-07	1.88E-06	1.75E-07	1.36E-07	3.10E-07	8.31E-07	6.22E-07	1.45E-06	1.36E-07	1.21E-07	2.57E-07	1.02E-07	6.16E-08	1.63E-07
1680	563303.55	4234119.03	1.01E-06	8.31E-07	1.84E-06	1.71E-07	1.33E-07	3.04E-07	8.15E-07	6.10E-07	1.42E-06	1.33E-07	1.18E-07	2.52E-07	9.96E-08	6.04E-08	1.60E-07
1681	563318.9	4234124.41	9.85E-07	8.12E-07	1.80E-06	1.67E-07	1.30E-07	2.97E-07	7.96E-07	5.96E-07	1.39E-06	1.30E-07	1.15E-07	2.46E-07	9.73E-08	5.90E-08	1.56E-07
1682	563334.25	4234129.8	9.57E-07	7.88E-07	1.74E-06	1.62E-07	1.26E-07	2.89E-07	7.72E-07	5.78E-07	1.35E-06	1.26E-07	1.12E-07	2.39E-07	9.45E-08	5.73E-08	1.52E-07
1683	563349.6	4234135.18	9.34E-07	7.69E-07	1.70E-06	1.58E-07	1.23E-07	2.82E-07	7.54E-07	5.64E-07	1.32E-06	1.24E-07	1.09E-07	2.33E-07	9.22E-08	5.59E-08	1.48E-07
1684	563364.95	4234140.56	9.03E-07	7.44E-07	1.65E-06	1.53E-07	1.19E-07	2.72E-07	7.29E-07	5.46E-07	1.27E-06	1.19E-07	1.06E-07	2.25E-07	8.92E-08	5.40E-08	1.43E-07
1685	563380.29	4234145.95	8.56E-07	7.06E-07	1.56E-06	1.45E-07	1.13E-07	2.58E-07	6.92E-07	5.18E-07	1.21E-06	1.13E-07	1.00E-07	2.14E-07	8.46E-08	5.13E-08	1.36E-07
1686	563395.64	4234151.33	8.13E-07	6.70E-07	1.48E-06	1.38E-07	1.07E-07	2.45E-07	6.57E-07	4.92E-07	1.15E-06	1.08E-07	9.53E-08	2.03E-07	8.03E-08	4.87E-08	1.29E-07
1687	563410.99	4234156.71	7.63E-07	6.28E-07	1.39E-06	1.29E-07	1.01E-07	2.30E-07	6.16E-07	4.61E-07	1.08E-06	1.01E-07	8.94E-08	1.90E-07	7.53E-08	4.56E-08	1.21E-07
1688	563472.39	4234178.25	5.99E-07	4.93E-07	1.09E-06	1.02E-07	7.91E-08	1.81E-07	4.83E-07	3.62E-07	8.45E-07	7.92E-08	7.01E-08	1.49E-07	5.91E-08	3.58E-08	9.49E-08
1689	563487.74	4234183.63	5.63E-07	4.63E-07	1.03E-06	9.55E-08	7.43E-08	1.70E-07	4.54E-07	3.40E-07	7.94E-07	7.44E-08	6.59E-08	1.40E-07	5.56E-08	3.37E-08	8.92E-08
1690	563503.09	4234189.01	5.34E-07	4.40E-07	9.74E-07	9.06E-08	7.06E-08	1.61E-07	4.31E-07	3.23E-07	7.54E-07	7.06E-08	6.26E-08	1.33E-07	5.28E-08	3.20E-08	8.47E-08
1691	563276.17	4234068.37	9.48E-07	7.81E-07	1.73E-06	1.61E-07	1.25E-07	2.86E-07	7.66E-07	5.73E-07	1.34E-06	1.25E-07	1.11E-07	2.37E-07	9.37E-08	5.68E-08	1.50E-07
1692	563291.29	4234073.67	9.33E-07	7.69E-07	1.70E-06	1.58E-07	1.23E-07	2.82E-07	7.54E-07	5.64E-07	1.32E-06	1.23E-07	1.09E-07	2.33E-07	9.22E-08	5.59E-08	1.48E-07
1693	563306.4	4234078.97	9.17E-07	7.55E-07	1.67E-06	1.56E-07	1.21E-07	2.77E-07	7.40E-07	5.54E-07	1.29E-06	1.21E-07	1.07E-07	2.29E-07	9.05E-08	5.49E-08	1.45E-07
1694	563321.51	4234084.27	9.05E-07	7.46E-07	1.65E-06	1.54E-07	1.20E-07	2.73E-07	7.31E-07	5.47E-07	1.28E-06	1.20E-07	1.06E-07	2.26E-07	8.94E-08	5.42E-08	1.44E-07
1695	563336.62	4234089.57	8.88E-07	7.32E-07	1.62E-06	1.51E-07	1.17E-07	2.68E-07	7.17E-07	5.37E-07	1.25E-06	1.17E-07	1.04E-07	2.22E-07	8.77E-08	5.32E-08	1.41E-07
1696	563351.74	4234094.87	8.58E-07	7.07E-07	1.57E-06	1.46E-07	1.13E-07	2.59E-07	6.93E-07	5.19E-07	1.21E-06	1.14E-07	1.01E-07	2.14E-07	8.48E-08	5.14E-08	1.36E-07
1697	563366.85	4234100.17	8.29E-07	6.83E-07	1.51E-06	1.41E-07	1.09E-07	2.50E-07	6.69E-07	5.01E-07	1.17E-06	1.10E-07	9.71E-08	2.07E-07	8.19E-08	4.96E-08	1.31E-07
1698	563381.96	4234105.47	7.95E-07	6.55E-07	1.45E-06	1.35E-07	1.05E-07	2.40E-07	6.42E-07	4.80E-07	1.12E-06	1.05E-07	9.32E-08	1.98E-07	7.85E-08	4.76E-08	1.26E-07
1699	563397.07	4234110.77	7.58E-07	6.24E-07	1.38E-06	1.29E-07	1.00E-07	2.29E-07	6.12E-07	4.58E-07	1.07E-06	1.00E-07	8.88E-08	1.89E-07	7.48E-08	4.53E-08	1.20E-07
1700	563412.19	4234116.07	7.23E-07	5.95E-07	1.32E-06	1.23E-07	9.54E-08	2.18E-07	5.83E-07	4.37E-07	1.02E-06	9.56E-08	8.47E-08	1.80E-07	7.14E-08	4.33E-08	1.15E-07
1701	563472.64	4234137.27	5.90E-07	4.86E-07	1.08E-06	1.00E-07	7.79E-08	1.78E-07	4.76E-07	3.56E-07	8.33E-07	7.80E-08	6.91E-08	1.47E-07	5.83E-08	3.53E-08	9.36E-08
1702	563487.75	4234142.57	5.64E-07	4.64E-07	1.03E-06	9.56E-08	7.44E-08	1.70E-07	4.55E-07	3.41E-07	7.96E-07	7.45E-08	6.60E-08	1.41E-07	5.57E-08	3.37E-08	8.94E-08
1703	563502.86	4234147.87	5.36E-07	4.42E-07	9.78E-07	9.10E-08	7.09E-08	1.62E-07	4.33E-07	3.24E-07	7.57E-07	7.09E-08	6.29E-08	1.34E-07	5.30E-08	3.21E-08	8.51E-08
1704	563517.97	4234153.17	5.09E-07	4.20E-07	9.29E-07	8.64E-08	6.73E-08	1.54E-07	4.11E-07	3.08E-07	7.19E-07	6.74E-08	5.97E-08	1.27E-07	5.03E-08	3.05E-08	8.08E-08
1705	563260.51	4234065.02	9.66E-07	7.95E-07	1.76E-06	1.64E-07	1.28E-07	2.91E-07	7.80E-07	5.84E-07	1.36E-06	1.28E-07	1.13E-07	2.41E-07	9.54E-08	5.78E-08	1.53E-07
1706	563279.71	4234028.55	8.74E-07	7.20E-07	1.59E-06	1.48E-07	1.15E-07	2.64E-07	7.06E-07	5.28E-07	1.23E-06	1.16E-07	1.02E-07	2.18E-07	8.63E-08	5.23E-08	1.39E-07
1707	563295.02	4234033.92	8.62E-07	7.10E-07	1.57E-06	1.46E-07	1.14E-07	2.60E-07	6.96E-07	5.21E-07	1.22E-06	1.14E-07	1.01E-07	2.15E-07	8.52E-08	5.16E-08	1.37E-07
1708	563310.32	4234039.29	8.51E-07	7.01E-07	1.55E-06	1.44E-07	1.12E-07	2.57E-07	6.87E-07	5.14E-07	1.20E-06	1.13E-07	9.97E-08	2.12E-07	8.40E-08	5.09E-08	1.35E-07
1709	563325.63	4234044.66	8.43E-07	6.94E-07	1.54E-06	1.43E-07	1.11E-07	2.54E-07	6.80E-07	5.09E-07	1.19E-06	1.11E-07	9.88E-08	2.10E-07	8.32E-08	5.04E-08	1.34E-07
1710	563340.93	4234050.02	8.26E-07	6.81E-07	1.51E-06	1.40E-07	1.09E-07	2.49E-07	6.67E-07	4.99E-07	1.17E-06	1.09E-07	9.68E-08	2.06E-07	8.16E-08	4.95E-08	1.31E-07
1711	563356.23	4234055.39	8.01E-07	6.60E-07	1.46E-06	1.36E-07	1.06E-07	2.42E-07	6.47E-07	4.84E-07	1.13E-06	1.06E-07	9.39E-08	2.00E-07	7.91E-08	4.80E-08	1.27E-07
1712	563371.54	4234060.76	7.74E-07	6.37E-07	1.41E-06	1.31E-07	1.02E-07	2.33E-07	6.25E-07	4.67E-07	1.09E-06	1.02E-07	9.06E-08	1.93E-07	7.64E-08	4.63E-08	1.23E-07
1713	563386.84	4234066.13	7.44E-07	6.13E-07	1.36E-06	1.26E-07	9.83E-08	2.25E-07	6.01E-07	4.50E-07	1.05E-06	9.84E-08	8.72E-08	1.86E-07	7.35E-08	4.45E-08	1.18E-07
1714	563402.15	4234071.49	7.14E-07	5.88E-07	1.30E-06	1.21E-07	9.43E-08	2.15E-07	5.77E-07	4.32E-07	1.01E-06	9.44E-08	8.37E-08	1.78E-07	7.05E-08	4.27E-08	1.13E-07
1715	563417.45	4234076.86	6.84E-07	5.63E-07	1.25E-06	1.16E-07	9.03E-08	2.06E-07	5.52E-07	4.13E-07	9.65E-07	9.04E-08	8.01E-08	1.70E-07	6.75E-08	4.09E-08	1.08E-07
1716	563463.37	4234092.96	5.92E-07	4.88E-07	1.08E-06	1.01E-07	7.83E-08	1.79E-07	4.78E-07	3.58E-07	8.36E-07	7.84E-08	6.94E-08	1.48E-07	5.85E-08	3.55E-08	9.40E-08
1717	563478.67	4234098.33	5.63E-07	4.64E-07	1.03E-06	9.55E-08	7.43E-08	1.70E-07	4.54E-07	3.40E-07	7.94E-07	7.44E-08	6.59E-08	1.40E-07	5.56E-08	3.37E-08	8.92E-08
1718	563493.97	4234103.7	5.39E-07	4.44E-07	9.82E-07	9.14E-08	7.11E-08	1.63E-07	4.35E-07	3.26E-07	7.60E-07	7.12E-08	6.31E-08	1.34E-07	5.32E-08	3.22E-08	8.54E-08
1719	563509.28	4234109.07	5.18E-07	4.27E-07	9.44E-07	8.78E-08	6.84E-08	1.56E-07	4.18E-07	3.13E-07	7.31E-07	6.85E-08	6.07E-08	1.29E-07	5.11E-08	3.10E-08	8.21E-08
1720	563524.58	4234114.43	4.98E-07	4.10E-07	9.08E-07	8.44E-08	6.57E-08	1.50E-07	4.02E-07	3.01E-07	7.03E-07	6.58E-08	5.83E-08	1.24E-07	4.92E-08	2.98E-08	7.89E-08
1721	563539.89	4234119.8	4.79E-07	3.95E-07	8.74E-07	8.13E-08	6.33E-08	1.45E-07	3.87E-07	2.89E-07	6.76E-07	6.33E-08	5.61E-08	1.19E-07	4.73E-08	2.87E-08	7.60E-08
1722	563263.96	4234025.17	8.86E-07	7.30E-07	1.62E-06	1.50E-07	1.17E-07	2.67E-07	7.16E-07	5.36E-07	1.25E-06	1.17E-07	1.04E-07	2.21E-07	8.75E-08	5.30E-08	1.41E-07
1723	563283.05	4233988.67	8.12E-07	6.69E-07	1.48E-06	1.38E-07	1.07E-07	2.45E-07	6.56E-07	4.91E-07	1.15E-06	1.07E-07	9.52E-08	2.03E-07	8.02E-08	4.86E-08	1.29E-07
1724	563298.15	4233993.96	8.13E-07	6.70E-07	1.48E-06	1.38E-07	1.07E-07	2.45E-07	6.56E-07	4.91E-07	1.15E-06	1.08E-07	9.53E-08	2.03E-07	8.03E-08	4.87E-08	1.29E-07
1725	563313.25	4233999.26	8.05E-07	6.64E-07	1.47E-06	1.37E-07	1.06E-07	2.43E-07	6.50E-07	4.87E-07	1.14E-06	1.07E-07	9.44E-08	2.01E-07	7.95E-08	4.82E-08	1.28E-07
1726	563328.35	4234004.55	7.91E-07	6.52E-07	1.44E-06	1.34E-07	1.04E-07	2.39E-07	6.39E-07	4.78E-07	1.12E-06	1.05E-07	9.27E-08	1.97E-07	7.81E-08	4.73E-08	1.25E-07
1727	563343.45	4234009.85	7.73E-07	6.37E-07	1.41E-06	1.31E-07	1.02E-07	2.33E-07	6.25E-07	4.67E-07	1.09E-06	1.02E-07	9.06E-08	1.93E-07	7.64E-08	4.63E-08	1.23E-07
1728	563358.55	4234015.15	7.53E-07	6.20E-07	1.37E-06	1.28E-07	9.94E-08	2.27E-07	6.08E-07	4.55E-07	1.06E-06	9.96E-08	8.82E-08	1.88E-07	7.44E-08	4.51E-08	1.19E-07
1729	563373.65	4234020.44	7.33E-07	6.04E-07	1.34E-06	1.24E-07	9.69E-08	2.21E-07	5.92E-07	4.43E-07	1.04E-06	9.70E-08	8.59E-08	1.83E-07	7.24E-08	4.39E-08	1.16E-07
1730	563388.75	4234025.74	7.11E-07	5.86E-07	1.30E-06	1.21E-07	9.39E-08	2.14E-07	5.74E-07	4.30E-07	1.00E-06	9.40E-08	8.33E-08	1.77E-07	7.02E-08	4.25E-08	1.13E-07
1731	563403.85	4234031.03	6.88E-07	5.67E-07	1.25E-06	1.17E-07	9.09E-08	2.08E-07	5.56E-07	4.16E-07	9.71E-07	9.10E-08	8.06E-08	1.72E-07	6.79E-08	4.12E-08	1.09E-07
1732	563418.95	4234036.33	6.69E-07	5.51E-07	1.22E-06	1.14E-07	8.84E-08	2.02E-07	5.40E-07	4.04E-07	9.45E-07	8.85E-08	7.84E-08	1.67E-07	6.61E-08	4.00E-08	1.06E-07
1733	563464.25	4234052.21	5.83E-07	4.80E-07	1.06E-06	9.89E-08	7.70E-08	1.76E-07	4.71E-07	3.52E-07	8.23E-07	7.71E-08	6.83E-08	1.45E-07	5.76E-08	3.49E-08	9.24E-08
1734	563479.35	4234057.51	5.54E-07	4.56E-07	1.01E-06	9.39E-08	7.31E-08	1.67E-07	4.47E-07	3.35E-07	7.82E-07	7.32E-08	6.49E-08	1.38E-07	5.47E-08	3.31E-08	8.78E-08
1735	563494.45	4234062.81	5.30E-07	4.36E-07	9.66E-07	8.99E-08	7.00E-08	1.60E-07	4.28E-07	3.20E-07	7.48E-07	7.00E-08	6.21E-08	1.32E-07	5.23E-08	3.17E-08	8.40E-08
1736	563509.55	4234068.1	5.10E-07	4.21E-07	9.31E-07	8.66E-08	6.74E-08	1.54E-07	4.12E-07	3.08E-07	7.21E-07	6.75E-08	5.98E-08	1.27E-07	5.04E-08	3.06E-08	8.10E-08
1737	563524.65	4234073.4	4.93E-07	4.06E-07	8.99E-07	8.36E-08	6.51E-08	1.49E-07	3.98E-07	2.98E-07	6.96E-07	6.52E-08	5.78E-08	1.23E-07	4.87E-08	2.95E-08	7.82E-08
1738	563539.75	4234078.69	4.76E-07	3.92E-07	8.68E-07	8.08E-08	6.29E-08	1.44E-07	3.84E-07	2.88E-07	6.72E-07	6.30E-08	5.58E-08	1.19E-07	4.70E-08	2.85E-08	7.55E-08
1739	563554.85	4234083.99	4.58E-07	3.77E-07	8.35E-07	7.77E-08	6.05E-08	1.38E-07	3.70E-07	2.77E-07	6.46E-07	6.05E-08	5.37E-08	1.14E-07	4.52E-08	2.74E-08	7.26E-08
1740	563569.95	4234089.28	4.42E-07	3.64E-07	8.07E-07	7.51E-08	5.84E-08	1.33E-07	3.57E-07	2.67E-07	6.25E-07	5.85E-08	5.18E-08	1.10E-07	4.37E-08	2.65E-08	7.02E-08
1741	563267.4	4233985.32	8.17E-07	6.73E-07	1.49E-06	1.39E-07	1.08E-07	2.47E-07	6.60E-07	4.94E-07	1.15E-06	1.08E-07	9.57E-08	2.04E-07	8.07E-08	4.89E-08	1.30E-07
1742	563286.58	4233948.84	7.63E-07	6.29E-07	1.39E-06	1.30E-07	1.01E-07	2.30E-07	6.16E-07	4.61E-07	1.08E-06	1.01E-07	8.94E-08	1.90E-07	7.54E-08	4.57E-08	1.21E-07
1743	563301.85	4233954.2	7.58E-07	6.24E-07	1.38E-06	1.29E-07	1.00E-07	2.29E-07	6.12E-07	4.58E-07	1.07E-06	1.00E-07	8.88E-08	1.89E-07	7.48E-08	4.54E-08	1.20E-07
1744	563317.12	4233959.56	7.50E-07	6.18E-07	1.37E-06	1.27E-07	9.90E-08	2.26E-07	6.05E-07	4.53E-07	1.06E-06	9.91E-08	8.78E-08	1.87E-07	7.40E-08	4.49E-08	1.19E-07
1745	563332.39	4233964.91	7.38E-07	6.08E-07	1.35E-06	1.25E-07	9.75E-08	2.23E-07	5.96E-07	4.46E-07	1.04E-06	9.76E-08	8.65E-08	1.84E-07	7.29E-08	4.42E-08	1.17E-07
1746	563347.66	4233970.27	7.23E-07	5.96E-07	1.32E-06	1.23E-07	9.55E-08	2.18E-07	5.84E-07	4.37E-07	1.02E-06	9.57E-08	8.48E-08	1.80E-07	7.14E-08	4.33E-08	1.15E-07
1747	563362.93	4233975.62	7.06E-07	5.82E-07	1.29E-06	1.20E-07	9.32E-08	2.13E-07	5.70E-07	4.27E-07	9.97E-07	9.34E-08	8.27E-08	1.76E-07	6.97E-08	4.23E-08	1.12E-07
1748	563378.2	4233980.98	6.87E-07	5.66E-07	1.25E-06	1.17E-07	9.08E-08	2.07E-07	5.55E-07	4.15E-07	9.71E-07	9.09E-08	8.06E-08	1.71E-07	6.79E-08	4.11E-08	1.09E-07
1749	563393.47	4233986.33	6.70E-07	5.52E-07	1.22E-06	1.14E-07	8.85E-08	2.02E-07	5.41E-07	4.05E-07	9.46E-07	8.86E-08	7.86E-08	1.67E-07	6.62E-08	4.01E-08	1.06E-07
1750	563408.74	4233991.69	6.55E-07	5.40E-07	1.19E-06	1.11E-07	8.65E-08	1.98E-07	5.29E-07	3.96E-07	9.25E-07	8.66E-08	7.68E-08	1.63E-07	6.47E-08	3.92E-08	1.04E-07
1751	563469.82	4234013.11	5.65E-07	4.66E-07	1.03E-06	9.59E-08	7.47E-08	1.71E-07	4.56E-07	3.42E-07	7.98E-07	7.48E-08	6.62E-08	1.41E-07	5.58E-08	3.38E-08	8.97E-08
1752	563485.09	4234018.47	5.42E-07	4.46E-07	9.88E-07	9.19E-08	7.15E-08	1.63E-07	4.37E-07	3.27E-07	7.65E-07	7.16E-08	6.35E-08	1.35E-07	5.35E-08	3.24E-08	8.59E-08
1753	563500.36	4234023.82	5.18E-07	4.27E-07	9.45E-07	8.79E-08	6.84E-08	1.56E-07	4.18E-07	3.13E-07	7.31E-07	6.85E-08	6.07E-08	1.29E-07	5.12E-08	3.10E-08	8.22E-08
1754	563515.63	4234029.18	4.95E-07	4.08E-07	9.03E-07	8.40E-08	6.54E-08	1.49E-07	4.00E-07	2.99E-07	6.99E-07	6.55E-08	5.80E-08	1.23E-07	4.89E-08	2.96E-08	7.85E-08
1755	563530.9	4234034.53	4.79E-07	3.95E-07	8.74E-07	8.13E-08	6.33E-08	1.45E-07	3.87E-07	2.90E-07	6.76E-07	6.34E-08	5.61E-08	1.20E-07	4.73E-08	2.87E-08	7.60E-08
1756	563546.17	4234039.89	4.63E-07	3.82E-07	8.45E-07	7.86E-08	6.12E-08	1.40E-07	3.74E-07	2.80E-07	6.54E-07	6.13E-08	5.43E-08	1.16E-07	4.58E-08	2.77E-08	7.35E-08
1757	563561.44	4234045.24	4.41E-07	3.63E-07	8.04E-07	7.48E-08	5.82E-08	1.33E-07	3.56E-07	2.66E-07	6.22E-07	5.83E-08	5.16E-08	1.10E-07	4.35E-08	2.64E-08	6.99E-08
1758	563576.71	4234050.6	4.21E-07	3.46E-07	7.67E-07	7.14E-08	5.55E-08	1.27E-07	3.40E-07	2.54E-07	5.94E-07	5.56E-08	4.93E-08	1.05E-07	4.15E-08	2.52E-08	6.67E-08
1759	563591.98	4234055.95	4.08E-07	3.36E-07	7.44E-07	6.92E-08	5.39E-08	1.23E-07	3.29E-07	2.47E-07	5.76E-07	5.39E-08	4.78E-08	1.02E-07	4.03E-08	2.44E-08	6.47E-08
1760	563270.84	4233945.47	7.70E-07	6.34E-07	1.40E-06	1.31E-07	1.02E-07	2.32E-07	6.21E-07	4.65E-07	1.09E-06	1.02E-07	9.02E-08	1.92E-07	7.60E-08	4.61E-08	1.22E-07
1761	563254.63	4233944.07	7.72E-07	6.36E-07	1.41E-06	1.31E-07	1.02E-07	2.33E-07	6.23E-07	4.66E-07	1.09E-06	1.02E-07	9.04E-08	1.92E-07	7.62E-08	4.62E-08	1.22E-07
1762	563139.73	4234606.87	2.18E-05	1.80E-05	3.98E-05	3.71E-06	2.89E-06	6.59E-06	1.76E-05	1.32E-05	3.08E-05	2.89E-06	2.56E-06	5.45E-06	2.16E-06	1.31E-06	3.47E-06
1763	563130.2	4234606.09	2.22E-05	1.83E-05	4.04E-05	3.76E-06	2.93E-06	6.69E-06	1.79E-05	1.34E-05	3.13E-05	2.93E-06	2.60E-06	5.53E-06	2.19E-06	1.33E-06	3.52E-06

1764	563120.68	4234605.3	2.21E-05	1.82E-05	4.03E-05	3.75E-06	2.92E-06	6.67E-06	1.78E-05	1.34E-05	3.12E-05	2.92E-06	2.59E-06	5.51E-06	2.18E-06	1.32E-06	3.51E-06
1765	563111.16	4234604.52	2.16E-05	1.78E-05	3.94E-05	3.67E-06	2.86E-06	6.52E-06	1.75E-05	1.31E-05	3.05E-05	2.86E-06	2.53E-06	5.39E-06	2.14E-06	1.29E-06	3.43E-06
1766	563101.64	4234603.73	2.07E-05	1.71E-05	3.78E-05	3.52E-06	2.74E-06	6.26E-06	1.67E-05	1.25E-05	2.93E-05	2.74E-06	2.43E-06	5.17E-06	2.05E-06	1.24E-06	3.29E-06
1767	563092.12	4234602.95	1.96E-05	1.61E-05	3.57E-05	3.32E-06	2.58E-06	5.90E-06	1.58E-05	1.18E-05	2.76E-05	2.59E-06	2.29E-06	4.88E-06	1.93E-06	1.17E-06	3.10E-06
1768	563188.15	4234600.82	1.38E-05	1.13E-05	2.51E-05	2.33E-06	1.82E-06	4.15E-06	1.11E-05	8.31E-06	1.94E-05	1.82E-06	1.61E-06	3.43E-06	1.36E-06	8.23E-07	2.18E-06
1769	563178.63	4234600.04	1.54E-05	1.26E-05	2.80E-05	2.60E-06	2.03E-06	4.63E-06	1.24E-05	9.28E-06	2.17E-05	2.03E-06	1.80E-06	3.83E-06	1.52E-06	9.19E-07	2.43E-06
1770	563169.11	4234599.25	1.68E-05	1.38E-05	3.06E-05	2.85E-06	2.21E-06	5.06E-06	1.35E-05	1.01E-05	2.37E-05	2.22E-06	1.97E-06	4.18E-06	1.66E-06	1.00E-06	2.66E-06
1771	563159.59	4234598.47	1.80E-05	1.48E-05	3.28E-05	3.05E-06	2.37E-06	5.42E-06	1.45E-05	1.09E-05	2.54E-05	2.38E-06	2.11E-06	4.48E-06	1.77E-06	1.08E-06	2.85E-06
1772	563150.07	4234597.69	1.89E-05	1.56E-05	3.45E-05	3.21E-06	2.50E-06	5.71E-06	1.53E-05	1.14E-05	2.67E-05	2.50E-06	2.22E-06	4.72E-06	1.87E-06	1.13E-06	3.00E-06
1773	563140.55	4234596.9	1.96E-05	1.62E-05	3.58E-05	3.33E-06	2.59E-06	5.92E-06	1.58E-05	1.19E-05	2.77E-05	2.59E-06	2.30E-06	4.89E-06	1.94E-06	1.17E-06	3.11E-06
1774	563131.02	4234596.12	2.00E-05	1.65E-05	3.65E-05	3.40E-06	2.64E-06	6.04E-06	1.62E-05	1.21E-05	2.83E-05	2.65E-06	2.35E-06	4.99E-06	1.98E-06	1.20E-06	3.17E-06
1775	563121.5	4234595.34	2.01E-05	1.66E-05	3.66E-05	3.41E-06	2.65E-06	6.06E-06	1.62E-05	1.21E-05	2.84E-05	2.66E-06	2.35E-06	5.01E-06	1.98E-06	1.20E-06	3.19E-06
1776	563111.98	4234594.55	1.98E-05	1.63E-05	3.62E-05	3.37E-06	2.62E-06	5.99E-06	1.60E-05	1.20E-05	2.80E-05	2.62E-06	2.32E-06	4.95E-06	1.96E-06	1.19E-06	3.15E-06
1777	563102.46	4234593.77	1.93E-05	1.59E-05	3.51E-05	3.27E-06	2.54E-06	5.81E-06	1.56E-05	1.16E-05	2.72E-05	2.55E-06	2.26E-06	4.80E-06	1.90E-06	1.15E-06	3.05E-06
1778	563092.94	4234592.98	1.84E-05	1.52E-05	3.36E-05	3.12E-06	2.43E-06	5.55E-06	1.49E-05	1.11E-05	2.60E-05	2.43E-06	2.16E-06	4.59E-06	1.82E-06	1.10E-06	2.92E-06
1779	563188.97	4234590.85	1.22E-05	1.00E-05	2.22E-05	2.07E-06	1.61E-06	3.68E-06	9.84E-06	7.36E-06	1.72E-05	1.61E-06	1.43E-06	3.04E-06	1.20E-06	7.29E-07	1.93E-06
1780	563179.45	4234590.07	1.36E-05	1.12E-05	2.48E-05	2.31E-06	1.80E-06	4.11E-06	1.10E-05	8.23E-06	1.92E-05	1.80E-06	1.60E-06	3.40E-06	1.34E-06	8.15E-07	2.16E-06
1781	563169.93	4234589.29	1.49E-05	1.23E-05	2.72E-05	2.53E-06	1.97E-06	4.50E-06	1.21E-05	9.02E-06	2.11E-05	1.97E-06	1.75E-06	3.72E-06	1.47E-06	8.93E-07	2.37E-06
1782	563160.41	4234588.5	1.61E-05	1.32E-05	2.93E-05	2.73E-06	2.12E-06	4.85E-06	1.30E-05	9.71E-06	2.27E-05	2.12E-06	1.88E-06	4.01E-06	1.59E-06	9.62E-07	2.55E-06
1783	563150.89	4234587.72	1.70E-05	1.40E-05	3.10E-05	2.88E-06	2.25E-06	5.13E-06	1.37E-05	1.03E-05	2.40E-05	2.25E-06	1.99E-06	4.24E-06	1.68E-06	1.02E-06	2.70E-06
1784	563141.37	4234586.94	1.77E-05	1.46E-05	3.23E-05	3.00E-06	2.34E-06	5.34E-06	1.43E-05	1.07E-05	2.50E-05	2.34E-06	2.07E-06	4.42E-06	1.75E-06	1.06E-06	2.81E-06
1785	563131.85	4234586.15	1.82E-05	1.50E-05	3.31E-05	3.08E-06	2.40E-06	5.48E-06	1.47E-05	1.10E-05	2.56E-05	2.40E-06	2.13E-06	4.53E-06	1.79E-06	1.09E-06	2.88E-06
1786	563122.32	4234585.37	1.83E-05	1.51E-05	3.34E-05	3.11E-06	2.42E-06	5.53E-06	1.48E-05	1.11E-05	2.59E-05	2.42E-06	2.15E-06	4.57E-06	1.81E-06	1.10E-06	2.91E-06
1787	563112.8	4234584.59	1.83E-05	1.50E-05	3.33E-05	3.10E-06	2.41E-06	5.51E-06	1.47E-05	1.10E-05	2.58E-05	2.41E-06	2.14E-06	4.55E-06	1.80E-06	1.09E-06	2.89E-06
1788	563103.28	4234583.8	1.79E-05	1.47E-05	3.26E-05	3.04E-06	2.36E-06	5.40E-06	1.44E-05	1.08E-05	2.53E-05	2.37E-06	2.10E-06	4.46E-06	1.77E-06	1.07E-06	2.84E-06
1789	563093.76	4234583.02	1.73E-05	1.42E-05	3.15E-05	2.93E-06	2.28E-06	5.22E-06	1.40E-05	1.04E-05	2.44E-05	2.29E-06	2.03E-06	4.31E-06	1.71E-06	1.03E-06	2.74E-06
1790	563189.79	4234580.89	1.09E-05	8.97E-06	1.99E-05	1.85E-06	1.44E-06	3.29E-06	8.79E-06	6.58E-06	1.54E-05	1.44E-06	1.28E-06	2.72E-06	1.08E-06	6.52E-07	1.73E-06
1791	563180.27	4234580.1	1.22E-05	1.00E-05	2.22E-05	2.06E-06	1.61E-06	3.67E-06	9.82E-06	7.35E-06	1.72E-05	1.61E-06	1.42E-06	3.03E-06	1.20E-06	7.28E-07	1.93E-06
1792	563170.75	4234579.32	1.34E-05	1.10E-05	2.44E-05	2.27E-06	1.76E-06	4.03E-06	1.08E-05	8.07E-06	1.88E-05	1.77E-06	1.56E-06	3.33E-06	1.32E-06	7.99E-07	2.12E-06
1793	563161.23	4234578.54	1.44E-05	1.19E-05	2.63E-05	2.45E-06	1.90E-06	4.35E-06	1.16E-05	8.71E-06	2.04E-05	1.91E-06	1.69E-06	3.60E-06	1.42E-06	8.63E-07	2.29E-06
1794	563151.71	4234577.75	1.53E-05	1.26E-05	2.79E-05	2.60E-06	2.02E-06	4.62E-06	1.24E-05	9.26E-06	2.16E-05	2.03E-06	1.79E-06	3.82E-06	1.51E-06	9.17E-07	2.43E-06
1795	563142.19	4234576.97	1.60E-05	1.32E-05	2.92E-05	2.72E-06	2.12E-06	4.83E-06	1.29E-05	9.68E-06	2.26E-05	2.12E-06	1.88E-06	4.00E-06	1.58E-06	9.59E-07	2.54E-06
1796	563132.67	4234576.19	1.65E-05	1.36E-05	3.01E-05	2.80E-06	2.18E-06	4.98E-06	1.33E-05	9.98E-06	2.33E-05	2.18E-06	1.94E-06	4.12E-06	1.63E-06	9.88E-07	2.62E-06
1797	563123.14	4234575.4	1.68E-05	1.38E-05	3.06E-05	2.84E-06	2.21E-06	5.06E-06	1.35E-05	1.01E-05	2.37E-05	2.22E-06	1.96E-06	4.18E-06	1.66E-06	1.00E-06	2.66E-06
1798	563113.62	4234574.62	1.68E-05	1.38E-05	3.06E-05	2.85E-06	2.22E-06	5.07E-06	1.36E-05	1.02E-05	2.37E-05	2.22E-06	1.97E-06	4.19E-06	1.66E-06	1.01E-06	2.66E-06
1799	563104.1	4234573.84	1.66E-05	1.37E-05	3.03E-05	2.82E-06	2.20E-06	5.02E-06	1.34E-05	1.00E-05	2.35E-05	2.20E-06	1.95E-06	4.15E-06	1.64E-06	9.95E-07	2.64E-06
1800	563094.58	4234573.05	1.62E-05	1.34E-05	2.96E-05	2.75E-06	2.14E-06	4.90E-06	1.31E-05	9.81E-06	2.29E-05	2.15E-06	1.90E-06	4.05E-06	1.60E-06	9.72E-07	2.57E-06
1801	563190.61	4234570.92	9.81E-06	8.08E-06	1.79E-05	1.66E-06	1.30E-06	2.96E-06	7.92E-06	5.93E-06	1.38E-05	1.30E-06	1.15E-06	2.45E-06	9.69E-07	5.87E-07	1.56E-06
1802	563181.09	4234570.14	1.09E-05	8.99E-06	1.99E-05	1.85E-06	1.44E-06	3.29E-06	8.82E-06	6.60E-06	1.54E-05	1.44E-06	1.28E-06	2.72E-06	1.08E-06	6.53E-07	1.73E-06
1803	563171.57	4234569.35	1.20E-05	9.86E-06	2.18E-05	2.03E-06	1.58E-06	3.61E-06	9.66E-06	7.23E-06	1.69E-05	1.58E-06	1.40E-06	2.98E-06	1.18E-06	7.16E-07	1.90E-06
1804	563162.05	4234568.57	1.29E-05	1.06E-05	2.35E-05	2.19E-06	1.70E-06	3.89E-06	1.04E-05	7.80E-06	1.82E-05	1.71E-06	1.51E-06	3.22E-06	1.27E-06	7.72E-07	2.05E-06
1805	563152.53	4234567.79	1.37E-05	1.13E-05	2.50E-05	2.33E-06	1.81E-06	4.14E-06	1.11E-05	8.28E-06	1.93E-05	1.81E-06	1.61E-06	3.42E-06	1.35E-06	8.20E-07	2.17E-06
1806	563143.01	4234567	1.44E-05	1.18E-05	2.62E-05	2.44E-06	1.90E-06	4.34E-06	1.16E-05	8.69E-06	2.03E-05	1.90E-06	1.68E-06	3.59E-06	1.42E-06	8.60E-07	2.28E-06
1807	563133.49	4234566.22	1.49E-05	1.23E-05	2.71E-05	2.52E-06	1.96E-06	4.49E-06	1.20E-05	8.99E-06	2.10E-05	1.97E-06	1.74E-06	3.71E-06	1.47E-06	8.90E-07	2.36E-06
1808	563123.96	4234565.44	1.52E-05	1.25E-05	2.77E-05	2.58E-06	2.01E-06	4.58E-06	1.23E-05	9.18E-06	2.14E-05	2.01E-06	1.78E-06	3.79E-06	1.50E-06	9.09E-07	2.41E-06
1809	563114.44	4234564.65	1.54E-05	1.27E-05	2.80E-05	2.61E-06	2.03E-06	4.64E-06	1.24E-05	9.29E-06	2.17E-05	2.03E-06	1.80E-06	3.84E-06	1.52E-06	9.20E-07	2.44E-06
1810	563104.92	4234563.87	1.54E-05	1.27E-05	2.81E-05	2.61E-06	2.03E-06	4.65E-06	1.24E-05	9.30E-06	2.17E-05	2.04E-06	1.80E-06	3.84E-06	1.52E-06	9.21E-07	2.44E-06
1811	563095.4	4234563.09	1.52E-05	1.25E-05	2.78E-05	2.58E-06	2.01E-06	4.59E-06	1.23E-05	9.20E-06	2.15E-05	2.01E-06	1.78E-06	3.80E-06	1.50E-06	9.11E-07	2.41E-06
1812	563191.43	4234560.96	8.90E-06	7.33E-06	1.62E-05	1.51E-06	1.18E-06	2.69E-06	7.19E-06	5.38E-06	1.26E-05	1.18E-06	1.04E-06	2.22E-06	8.79E-07	5.33E-07	1.41E-06
1813	563181.91	4234560.17	9.87E-06	8.13E-06	1.80E-05	1.67E-06	1.30E-06	2.98E-06	7.97E-06	5.96E-06	1.39E-05	1.31E-06	1.16E-06	2.46E-06	9.75E-07	5.91E-07	1.57E-06
1814	563172.39	4234559.39	1.08E-05	8.87E-06	1.96E-05	1.83E-06	1.42E-06	3.25E-06	8.69E-06	6.50E-06	1.52E-05	1.42E-06	1.26E-06	2.68E-06	1.06E-06	6.44E-07	1.71E-06
1815	563162.87	4234558.61	1.16E-05	9.54E-06	2.11E-05	1.96E-06	1.53E-06	3.49E-06	9.35E-06	7.00E-06	1.63E-05	1.53E-06	1.36E-06	2.89E-06	1.14E-06	6.93E-07	1.84E-06
1816	563153.35	4234557.82	1.23E-05	1.01E-05	2.24E-05	2.08E-06	1.62E-06	3.71E-06	9.92E-06	7.43E-06	1.73E-05	1.62E-06	1.44E-06	3.06E-06	1.21E-06	7.35E-07	1.95E-06
1817	563143.83	4234557.04	1.29E-05	1.07E-05	2.36E-05	2.19E-06	1.71E-06	3.90E-06	1.04E-05	7.82E-06	1.83E-05	1.71E-06	1.52E-06	3.23E-06	1.28E-06	7.74E-07	2.05E-06
1818	563134.31	4234556.25	1.34E-05	1.11E-05	2.45E-05	2.28E-06	1.78E-06	4.06E-06	1.09E-05	8.12E-06	1.90E-05	1.78E-06	1.57E-06	3.35E-06	1.33E-06	8.04E-07	2.13E-06
1819	563124.79	4234555.47	1.38E-05	1.14E-05	2.52E-05	2.34E-06	1.82E-06	4.16E-06	1.11E-05	8.34E-06	1.95E-05	1.82E-06	1.62E-06	3.44E-06	1.36E-06	8.26E-07	2.19E-06
1820	563115.26	4234554.69	1.41E-05	1.16E-05	2.57E-05	2.39E-06	1.86E-06	4.25E-06	1.14E-05	8.51E-06	1.99E-05	1.86E-06	1.65E-06	3.51E-06	1.39E-06	8.43E-07	2.23E-06
1821	563105.74	4234553.9	1.42E-05	1.17E-05	2.60E-05	2.42E-06	1.88E-06	4.30E-06	1.15E-05	8.61E-06	2.01E-05	1.88E-06	1.67E-06	3.55E-06	1.41E-06	8.53E-07	2.26E-06
1822	563096.22	4234553.12	1.43E-05	1.17E-05	2.60E-05	2.42E-06	1.88E-06	4.30E-06	1.15E-05	8.61E-06	2.01E-05	1.88E-06	1.67E-06	3.55E-06	1.41E-06	8.53E-07	2.26E-06
1823	563192.25	4234550.99	8.13E-06	6.70E-06	1.48E-05	1.38E-06	1.07E-06	2.45E-06	6.56E-06	4.91E-06	1.15E-05	1.08E-06	9.53E-07	2.03E-06	8.03E-07	4.87E-07	1.29E-06
1824	563182.73	4234550.21	8.98E-06	7.39E-06	1.64E-05	1.52E-06	1.19E-06	2.71E-06	7.25E-06	5.42E-06	1.27E-05	1.19E-06	1.05E-06	2.24E-06	8.86E-07	5.37E-07	1.42E-06
1825	563173.21	4234549.42	9.74E-06	8.02E-06	1.78E-05	1.65E-06	1.29E-06	2.94E-06	7.86E-06	5.88E-06	1.37E-05	1.29E-06	1.14E-06	2.43E-06	9.61E-07	5.83E-07	1.54E-06
1826	563163.69	4234548.64	1.04E-05	8.60E-06	1.90E-05	1.77E-06	1.38E-06	3.15E-06	8.43E-06	6.31E-06	1.47E-05	1.38E-06	1.22E-06	2.60E-06	1.03E-06	6.25E-07	1.66E-06
1827	563154.17	4234547.86	1.11E-05	9.11E-06	2.02E-05	1.88E-06	1.46E-06	3.34E-06	8.93E-06	6.69E-06	1.56E-05	1.46E-06	1.30E-06	2.76E-06	1.09E-06	6.62E-07	1.75E-06
1828	563144.65	4234547.07	1.17E-05	9.62E-06	2.13E-05	1.98E-06	1.54E-06	3.52E-06	9.43E-06	7.06E-06	1.65E-05	1.54E-06	1.37E-06	2.91E-06	1.15E-06	6.99E-07	1.85E-06
1829	563135.13	4234546.29	1.22E-05	1.00E-05	2.22E-05	2.07E-06	1.61E-06	3.68E-06	9.83E-06	7.36E-06	1.72E-05	1.61E-06	1.43E-06	3.04E-06	1.20E-06	7.29E-07	1.93E-06
1830	563125.61	4234545.5	1.26E-05	1.04E-05	2.29E-05	2.13E-06	1.66E-06	3.79E-06	1.01E-05	7.60E-06	1.77E-05	1.66E-06	1.47E-06	3.14E-06	1.24E-06	7.52E-07	1.99E-06
1831	563116.08	4234544.72	1.29E-05	1.07E-05	2.36E-05	2.19E-06	1.71E-06	3.90E-06	1.04E-05	7.82E-06	1.83E-05	1.71E-06	1.52E-06	3.23E-06	1.28E-06	7.74E-07	2.05E-06
1832	563106.56	4234543.94	1.32E-05	1.09E-05	2.41E-05	2.24E-06	1.74E-06	3.98E-06	1.07E-05	7.98E-06	1.86E-05	1.75E-06	1.55E-06	3.29E-06	1.30E-06	7.90E-07	2.09E-06
1833	563097.04	4234543.15	1.33E-05	1.10E-05	2.43E-05	2.26E-06	1.76E-06	4.03E-06	1.08E-05	8.06E-06	1.88E-05	1.76E-06	1.56E-06	3.33E-06	1.32E-06	7.99E-07	2.12E-06
1834	563193.07	4234541.02	7.43E-06	6.12E-06	1.36E-05	1.26E-06	9.82E-07	2.24E-06	6.00E-06	4.49E-06	1.05E-05	9.83E-07	8.71E-07	1.85E-06	7.34E-07	4.45E-07	1.18E-06
1835	563183.55	4234540.24	8.16E-06	6.72E-06	1.49E-05	1.38E-06	1.08E-06	2.46E-06	6.59E-06	4.93E-06	1.15E-05	1.08E-06	9.56E-07	2.03E-06	8.06E-07	4.88E-07	1.29E-06
1836	563174.03	4234539.46	8.83E-06	7.28E-06	1.61E-05	1.50E-06	1.17E-06	2.66E-06	7.13E-06	5.34E-06	1.25E-05	1.17E-06	1.03E-06	2.20E-06	8.72E-07	5.29E-07	1.40E-06
1837	563164.51	4234538.67	9.48E-06	7.81E-06	1.73E-05	1.61E-06	1.25E-06	2.86E-06	7.65E-06	5.73E-06	1.34E-05	1.25E-06	1.11E-06	2.36E-06	9.36E-07	5.67E-07	1.50E-06
1838	563154.99	4234537.89	1.01E-05	8.30E-06	1.84E-05	1.71E-06	1.33E-06	3.04E-06	8.14E-06	6.09E-06	1.42E-05	1.33E-06	1.18E-06	2.51E-06	9.95E-07	6.03E-07	1.60E-06
1839	563145.47	4234537.11	1.07E-05	8.79E-06	1.94E-05	1.81E-06	1.41E-06	3.22E-06	8.61E-06	6.45E-06	1.51E-05	1.41E-06	1.25E-06	2.66E-06	1.05E-06	6.38E-07	1.69E-06
1840	563135.95	4234536.32	1.12E-05	9.20E-06	2.04E-05	1.90E-06	1.48E-06	3.37E-06	9.02E-06	6.75E-06	1.58E-05	1.48E-06	1.31E-06	2.79E-06	1.10E-06	6.69E-07	1.77E-06
1841	563126.43	4234535.54	1.16E-05	9.54E-06	2.11E-05	1.97E-06	1.53E-06	3.49E-06	9.35E-06	7.00E-06	1.64E-05	1.53E-06	1.36E-06	2.89E-06	1.14E-06	6.93E-07	1.84E-06
1842	563116.9	4234534.75	1.20E-05	9.86E-06	2.18E-05	2.03E-06	1.58E-06	3.61E-06	9.67E-06	7.23E-06	1.69E-05	1.58E-06	1.40E-06	2.99E-06	1.18E-06	7.16E-07	1.90E-06
1843	563107.38	4234533.97	1.23E-05	1.01E-05	2.24E-05	2.08E-06	1.62E-06	3.71E-06	9.92E-06	7.42E-06	1.73E-05	1.62E-06	1.44E-06	3.06E-06	1.21E-06	7.35E-07	1.95E-06
1844	563097.86	4234533.19	1.25E-05	1.03E-05	2.28E-05	2.12E-06	1.65E-06	3.77E-06	1.01E-05	7.55E-06	1.76E-05	1.65E-06	1.46E-06	3.12E-06	1.23E-06	7.48E-07	1.98E-06
1845	563194.71	4234521.09	6.27E-06	5.17E-06	1.14E-05	1.06E-06	8.29E-07	1.89E-06	5.07E-06	3.79E-06	8.86E-06	8.30E-07	7.35E-07	1.56E-06	6.20E-07	3.76E-07	9.95E-07
1846	563185.19	4234520.31	6.78E-06	5.59E-06	1.24E-05	1.15E-06	8.96E-07	2.05E-06	5.48E-06	4.10E-06	9.57E-06	8.97E-07	7.95E-07	1.69E-06	6.70E-07	4.06E-07	1.08E-06
1847	563175.67	4234519.52	7.34E-06	6.04E-06	1.34E-05	1.24E-06	9.69E-07	2.21E-06	5.92E-06	4.43E-06	1.04E-05	9.70E-07	8.60E-07	1.83E-06	7.25E-07	4.39E-07	1.16E-06
1848	563166.15	4234518.74	7.90E-06	6.51E-06	1.44E-05	1.34E-06	1.04E-06	2.38E-06	6.38E-06	4.78E-06	1.12E-05	1.05E-06	9.26E-07	1.97E-06	7.80E-07	4.73E-07	1.25E-06
1849	563156.63	4234517.96	8.46E-06	6.97E-06	1.54E-05	1.44E-06	1.12E-06	2.55E-06	6.83E-06	5.11E-06	1.19E-05	1.12E-06	9.91E-07	2.11E-06	8.35E-07	5.06E-07	1.34E-06
1850	563147.11	4234517.17	8.98E-06	7.40E-06	1.64E-05	1.52E-06	1.19E-06	2.71E-06	7.25E-06	5.43E-06	1.27E-05	1.19E-06	1.05E-06	2.24E-06	8.87E-07	5.38E-07	1.42E-06
1851	563137.59	4234516.39	9.46E-06	7.79E-06	1.73E-05	1.61E-06	1.25E-06	2.85E-06	7.64E-06	5.72E-06	1.34E-05	1.25E-06	1.11E-06	2.36E-06	9.34E-07	5.66E-07	1.50E-06
1852	563128.07	4234515.61	9.87E-06	8.13E-06	1.80E-05	1.67E-06	1.30E-06	2.98E-06	7.97E-06	5.97E-06	1.39E-05	1.31E-06	1.16E-06	2.46E-06	9.75E-07	5.91E-07	1.57E-06
1853	563118.55	4234514.82	1.03E-05	8.45E-06	1.87E-05	1.74E-06	1.36E-06	3.10E-06	8.29E-06	6.20E-06	1.45E-05	1.36E-06	1.20E-06	2.56E-06	1.01E-06	6.14E-07	1.63E-06
1854	563109.02	4234514.04	1.06E-05	8.76E-06	1.94E-05	1.80E-06	1.40E-06	3.21E-06	8.59E-06	6.43E-06	1.50E-05	1.41E-06	1.25E-06	2.65E-06	1.05E-06	6.37E-07	1.69E-06
1855	563099.5	4234513.25	1.09E-05	9.01E-06	1.99E-05	1.86E-06	1.44E-06	3.30E-06	8.83E-06	6.61E-06	1.54E-05	1.45E-06	1.28E-06	2.73E-06	1.08E-06	6.55E-07	1.73E-06
1856	563196.35	4234501.16	5.41E-06	4.45E-06	9.86E-06	9.17E-07	7.14E-07	1.63E-06	4.36E-06	3.27E-06	7.63E-06	7.15E-07	6.33E-07	1.35E-06	5.34E-07	3.24E-07	8.57E-07

1857	563186.83	4234500.37	5.82E-06	4.79E-06	1.06E-05	9.87E-07	7.68E-07	1.75E-06	4.70E-06	3.51E-06	8.21E-06	7.69E-07	6.82E-07	1.45E-06	5.74E-07	3.48E-07	9.22E-07
1858	563177.31	4234499.59	6.26E-06	5.16E-06	1.14E-05	1.06E-06	8.27E-07	1.89E-06	5.06E-06	3.78E-06	8.84E-06	8.28E-07	7.34E-07	1.56E-06	6.18E-07	3.75E-07	9.93E-07
1859	563167.79	4234498.81	6.73E-06	5.54E-06	1.23E-05	1.14E-06	8.88E-07	2.03E-06	5.43E-06	4.06E-06	9.49E-06	8.89E-07	7.88E-07	1.68E-06	6.64E-07	4.03E-07	1.07E-06
1860	563158.27	4234498.02	7.19E-06	5.92E-06	1.31E-05	1.22E-06	9.50E-07	2.17E-06	5.81E-06	4.35E-06	1.02E-05	9.51E-07	8.43E-07	1.79E-06	7.10E-07	4.30E-07	1.14E-06
1861	563148.75	4234497.24	7.62E-06	6.28E-06	1.39E-05	1.29E-06	1.01E-06	2.30E-06	6.16E-06	4.61E-06	1.08E-05	1.01E-06	8.93E-07	1.90E-06	7.53E-07	4.56E-07	1.21E-06
1862	563139.23	4234496.46	8.00E-06	6.59E-06	1.46E-05	1.36E-06	1.06E-06	2.41E-06	6.46E-06	4.84E-06	1.13E-05	1.06E-06	9.38E-07	2.00E-06	7.90E-07	4.79E-07	1.27E-06
1863	563129.71	4234495.67	8.34E-06	6.87E-06	1.52E-05	1.41E-06	1.10E-06	2.52E-06	6.73E-06	5.04E-06	1.18E-05	1.10E-06	9.77E-07	2.08E-06	8.23E-07	4.99E-07	1.32E-06
1864	563120.19	4234494.89	8.69E-06	7.16E-06	1.59E-05	1.47E-06	1.15E-06	2.62E-06	7.02E-06	5.25E-06	1.23E-05	1.15E-06	1.02E-06	2.17E-06	8.58E-07	5.20E-07	1.38E-06
1865	563110.67	4234494.11	9.13E-06	7.52E-06	1.66E-05	1.55E-06	1.21E-06	2.75E-06	7.37E-06	5.51E-06	1.29E-05	1.21E-06	1.07E-06	2.28E-06	9.01E-07	5.46E-07	1.45E-06
1866	563101.14	4234493.32	9.52E-06	7.84E-06	1.74E-05	1.62E-06	1.26E-06	2.87E-06	7.69E-06	5.75E-06	1.34E-05	1.26E-06	1.12E-06	2.37E-06	9.40E-07	5.70E-07	1.51E-06
1867	563197.99	4234481.23	4.71E-06	3.88E-06	8.59E-06	7.99E-07	6.22E-07	1.42E-06	3.80E-06	2.85E-06	6.65E-06	6.23E-07	5.52E-07	1.18E-06	4.65E-07	2.82E-07	7.47E-07
1868	563188.47	4234480.44	5.04E-06	4.16E-06	9.20E-06	8.56E-07	6.66E-07	1.52E-06	4.07E-06	3.05E-06	7.12E-06	6.67E-07	5.91E-07	1.26E-06	4.98E-07	3.02E-07	8.00E-07
1869	563178.95	4234479.66	5.39E-06	4.44E-06	9.84E-06	9.15E-07	7.12E-07	1.63E-06	4.36E-06	3.26E-06	7.62E-06	7.13E-07	6.32E-07	1.35E-06	5.33E-07	3.23E-07	8.56E-07
1870	563169.43	4234478.87	5.76E-06	4.75E-06	1.05E-05	9.78E-07	7.61E-07	1.74E-06	4.65E-06	3.48E-06	8.14E-06	7.62E-07	6.75E-07	1.44E-06	5.69E-07	3.45E-07	9.14E-07
1871	563159.91	4234478.09	6.14E-06	5.06E-06	1.12E-05	1.04E-06	8.11E-07	1.85E-06	4.96E-06	3.71E-06	8.67E-06	8.12E-07	7.20E-07	1.53E-06	6.06E-07	3.68E-07	9.74E-07
1872	563150.39	4234477.31	6.51E-06	5.36E-06	1.19E-05	1.10E-06	8.59E-07	1.96E-06	5.25E-06	3.93E-06	9.19E-06	8.60E-07	7.62E-07	1.62E-06	6.43E-07	3.89E-07	1.03E-06
1873	563140.87	4234476.52	6.84E-06	5.63E-06	1.25E-05	1.16E-06	9.03E-07	2.06E-06	5.52E-06	4.13E-06	9.65E-06	9.04E-07	8.01E-07	1.70E-06	6.75E-07	4.09E-07	1.08E-06
1874	563131.35	4234475.74	7.15E-06	5.89E-06	1.30E-05	1.21E-06	9.44E-07	2.16E-06	5.77E-06	4.32E-06	1.01E-05	9.45E-07	8.38E-07	1.78E-06	7.06E-07	4.28E-07	1.13E-06
1875	563121.83	4234474.96	7.46E-06	6.15E-06	1.36E-05	1.27E-06	9.86E-07	2.25E-06	6.03E-06	4.51E-06	1.05E-05	9.87E-07	8.74E-07	1.86E-06	7.37E-07	4.47E-07	1.18E-06
1876	563112.31	4234474.17	7.87E-06	6.48E-06	1.43E-05	1.33E-06	1.04E-06	2.37E-06	6.35E-06	4.75E-06	1.11E-05	1.04E-06	9.22E-07	1.96E-06	7.77E-07	4.71E-07	1.25E-06
1877	563102.78	4234473.39	8.24E-06	6.79E-06	1.50E-05	1.40E-06	1.09E-06	2.49E-06	6.65E-06	4.98E-06	1.16E-05	1.09E-06	9.66E-07	2.06E-06	8.14E-07	4.93E-07	1.31E-06
1878	563199.63	4234461.29	4.15E-06	3.42E-06	7.57E-06	7.04E-07	5.48E-07	1.25E-06	3.35E-06	2.51E-06	5.86E-06	5.49E-07	4.86E-07	1.04E-06	4.10E-07	2.48E-07	6.58E-07
1879	563190.11	4234460.51	4.39E-06	3.62E-06	8.01E-06	7.45E-07	5.80E-07	1.33E-06	3.55E-06	2.65E-06	6.20E-06	5.81E-07	5.15E-07	1.10E-06	4.34E-07	2.63E-07	6.97E-07
1880	563180.59	4234459.73	4.65E-06	3.83E-06	8.49E-06	7.89E-07	6.14E-07	1.40E-06	3.76E-06	2.81E-06	6.57E-06	6.15E-07	5.45E-07	1.16E-06	4.59E-07	2.78E-07	7.38E-07
1881	563171.07	4234458.94	4.95E-06	4.07E-06	9.02E-06	8.39E-07	6.53E-07	1.49E-06	3.99E-06	2.99E-06	6.98E-06	6.54E-07	5.80E-07	1.23E-06	4.88E-07	2.96E-07	7.84E-07
1882	563161.55	4234458.16	5.25E-06	4.33E-06	9.58E-06	8.91E-07	6.93E-07	1.58E-06	4.24E-06	3.17E-06	7.41E-06	6.94E-07	6.15E-07	1.31E-06	5.19E-07	3.14E-07	8.33E-07
1883	563152.03	4234457.37	5.56E-06	4.58E-06	1.01E-05	9.44E-07	7.35E-07	1.68E-06	4.49E-06	3.36E-06	7.86E-06	7.36E-07	6.52E-07	1.39E-06	5.50E-07	3.33E-07	8.83E-07
1884	563142.51	4234456.59	5.88E-06	4.84E-06	1.07E-05	9.98E-07	7.77E-07	1.77E-06	4.75E-06	3.55E-06	8.30E-06	7.78E-07	6.89E-07	1.47E-06	5.81E-07	3.52E-07	9.33E-07
1885	563132.99	4234455.81	6.19E-06	5.10E-06	1.13E-05	1.05E-06	8.18E-07	1.87E-06	5.00E-06	3.74E-06	8.74E-06	8.19E-07	7.26E-07	1.54E-06	6.12E-07	3.71E-07	9.82E-07
1886	563123.47	4234455.02	6.50E-06	5.35E-06	1.19E-05	1.10E-06	8.58E-07	1.96E-06	5.25E-06	3.93E-06	9.17E-06	8.59E-07	7.61E-07	1.62E-06	6.42E-07	3.89E-07	1.03E-06
1887	563113.95	4234454.24	6.84E-06	5.63E-06	1.25E-05	1.16E-06	9.03E-07	2.06E-06	5.52E-06	4.13E-06	9.65E-06	9.04E-07	8.01E-07	1.71E-06	6.75E-07	4.09E-07	1.08E-06
1888	563104.43	4234453.46	7.16E-06	5.90E-06	1.31E-05	1.21E-06	9.46E-07	2.16E-06	5.78E-06	4.33E-06	1.01E-05	9.47E-07	8.39E-07	1.79E-06	7.07E-07	4.29E-07	1.14E-06
1889	563201.27	4234441.36	3.69E-06	3.04E-06	6.73E-06	6.26E-07	4.87E-07	1.11E-06	2.98E-06	2.23E-06	5.21E-06	4.88E-07	4.32E-07	9.20E-07	3.64E-07	2.21E-07	5.85E-07
1890	563191.75	4234440.58	3.89E-06	3.21E-06	7.10E-06	6.60E-07	5.14E-07	1.17E-06	3.14E-06	2.35E-06	5.49E-06	5.15E-07	4.56E-07	9.71E-07	3.84E-07	2.33E-07	6.17E-07
1891	563182.23	4234439.79	4.11E-06	3.39E-06	7.49E-06	6.97E-07	5.43E-07	1.24E-06	3.32E-06	2.48E-06	5.80E-06	5.43E-07	4.82E-07	1.02E-06	4.06E-07	2.46E-07	6.52E-07
1892	563172.71	4234439.01	4.35E-06	3.59E-06	7.94E-06	7.38E-07	5.75E-07	1.31E-06	3.51E-06	2.63E-06	6.14E-06	5.75E-07	5.10E-07	1.09E-06	4.30E-07	2.60E-07	6.90E-07
1893	563163.19	4234438.23	4.61E-06	3.80E-06	8.40E-06	7.82E-07	6.09E-07	1.39E-06	3.72E-06	2.78E-06	6.50E-06	6.09E-07	5.40E-07	1.15E-06	4.55E-07	2.76E-07	7.31E-07
1894	563153.67	4234437.44	4.87E-06	4.02E-06	8.89E-06	8.27E-07	6.44E-07	1.47E-06	3.94E-06	2.95E-06	6.88E-06	6.45E-07	5.71E-07	1.22E-06	4.81E-07	2.92E-07	7.73E-07
1895	563144.15	4234436.66	5.15E-06	4.24E-06	9.39E-06	8.74E-07	6.80E-07	1.55E-06	4.16E-06	3.11E-06	7.27E-06	6.81E-07	6.04E-07	1.28E-06	5.09E-07	3.08E-07	8.17E-07
1896	563134.63	4234435.87	5.43E-06	4.47E-06	9.90E-06	9.21E-07	7.17E-07	1.64E-06	4.38E-06	3.28E-06	7.66E-06	7.18E-07	6.36E-07	1.35E-06	5.36E-07	3.25E-07	8.61E-07
1897	563125.11	4234435.09	5.70E-06	4.70E-06	1.04E-05	9.68E-07	7.53E-07	1.72E-06	4.61E-06	3.45E-06	8.05E-06	7.54E-07	6.69E-07	1.42E-06	5.63E-07	3.41E-07	9.05E-07
1898	563115.59	4234434.31	6.01E-06	4.95E-06	1.10E-05	1.02E-06	7.94E-07	1.81E-06	4.86E-06	3.63E-06	8.49E-06	7.95E-07	7.05E-07	1.50E-06	5.94E-07	3.60E-07	9.54E-07
1899	563106.07	4234433.52	6.32E-06	5.21E-06	1.15E-05	1.07E-06	8.35E-07	1.91E-06	5.10E-06	3.82E-06	8.92E-06	8.36E-07	7.41E-07	1.58E-06	6.24E-07	3.78E-07	1.00E-06
1900	563202.92	4234421.43	3.31E-06	2.72E-06	6.03E-06	5.61E-07	4.37E-07	9.98E-07	2.67E-06	2.00E-06	4.67E-06	4.37E-07	3.87E-07	8.25E-07	3.26E-07	1.98E-07	5.24E-07
1901	563193.39	4234420.64	3.48E-06	2.87E-06	6.35E-06	5.91E-07	4.60E-07	1.05E-06	2.81E-06	2.10E-06	4.92E-06	4.61E-07	4.08E-07	8.69E-07	3.44E-07	2.08E-07	5.52E-07
1902	563183.87	4234419.86	3.67E-06	3.02E-06	6.70E-06	6.23E-07	4.85E-07	1.11E-06	2.96E-06	2.22E-06	5.18E-06	4.85E-07	4.30E-07	9.16E-07	3.63E-07	2.20E-07	5.82E-07
1903	563174.35	4234419.08	3.87E-06	3.19E-06	7.06E-06	6.57E-07	5.11E-07	1.17E-06	3.13E-06	2.34E-06	5.47E-06	5.12E-07	4.54E-07	9.66E-07	3.82E-07	2.32E-07	6.14E-07
1904	563164.83	4234418.29	4.09E-06	3.37E-06	7.45E-06	6.93E-07	5.40E-07	1.23E-06	3.30E-06	2.47E-06	5.77E-06	5.40E-07	4.79E-07	1.02E-06	4.03E-07	2.45E-07	6.48E-07
1905	563155.31	4234417.51	4.31E-06	3.55E-06	7.86E-06	7.32E-07	5.69E-07	1.30E-06	3.48E-06	2.61E-06	6.09E-06	5.70E-07	5.05E-07	1.08E-06	4.26E-07	2.58E-07	6.84E-07
1906	563145.79	4234416.73	4.55E-06	3.75E-06	8.30E-06	7.72E-07	6.01E-07	1.37E-06	3.67E-06	2.75E-06	6.42E-06	6.02E-07	5.33E-07	1.13E-06	4.49E-07	2.72E-07	7.21E-07
1907	563136.27	4234415.94	4.79E-06	3.95E-06	8.74E-06	8.13E-07	6.33E-07	1.45E-06	3.87E-06	2.90E-06	6.77E-06	6.34E-07	5.62E-07	1.20E-06	4.73E-07	2.87E-07	7.60E-07
1908	563126.75	4234415.16	5.04E-06	4.15E-06	9.19E-06	8.55E-07	6.66E-07	1.52E-06	4.07E-06	3.05E-06	7.12E-06	6.67E-07	5.91E-07	1.26E-06	4.98E-07	3.02E-07	7.99E-07
1909	563117.23	4234414.38	5.31E-06	4.38E-06	9.69E-06	9.02E-07	7.02E-07	1.60E-06	4.29E-06	3.21E-06	7.50E-06	7.03E-07	6.23E-07	1.33E-06	5.25E-07	3.18E-07	8.43E-07
1910	563107.71	4234413.59	5.60E-06	4.61E-06	1.02E-05	9.50E-07	7.39E-07	1.69E-06	4.52E-06	3.38E-06	7.90E-06	7.40E-07	6.56E-07	1.40E-06	5.53E-07	3.35E-07	8.88E-07
1911	563204.56	4234401.5	3.00E-06	2.47E-06	5.48E-06	5.09E-07	3.96E-07	9.06E-07	2.42E-06	1.81E-06	4.24E-06	3.97E-07	3.52E-07	7.49E-07	2.96E-07	1.80E-07	4.76E-07
1912	563195.04	4234400.71	3.15E-06	2.59E-06	5.74E-06	5.34E-07	4.16E-07	9.50E-07	2.54E-06	1.90E-06	4.44E-06	4.16E-07	3.69E-07	7.85E-07	3.11E-07	1.88E-07	4.99E-07
1913	563185.51	4234399.93	3.30E-06	2.72E-06	6.03E-06	5.61E-07	4.36E-07	9.97E-07	2.67E-06	2.00E-06	4.67E-06	4.37E-07	3.87E-07	8.24E-07	3.26E-07	1.98E-07	5.24E-07
1914	563175.99	4234399.14	3.47E-06	2.86E-06	6.33E-06	5.89E-07	4.59E-07	1.05E-06	2.80E-06	2.10E-06	4.90E-06	4.59E-07	4.07E-07	8.66E-07	3.43E-07	2.08E-07	5.51E-07
1915	563166.47	4234398.36	3.65E-06	3.01E-06	6.66E-06	6.20E-07	4.82E-07	1.10E-06	2.95E-06	2.21E-06	5.16E-06	4.83E-07	4.28E-07	9.11E-07	3.61E-07	2.19E-07	5.79E-07
1916	563156.95	4234397.58	3.84E-06	3.17E-06	7.01E-06	6.52E-07	5.08E-07	1.16E-06	3.10E-06	2.32E-06	5.43E-06	5.08E-07	4.50E-07	9.59E-07	3.80E-07	2.30E-07	6.10E-07
1917	563147.43	4234396.79	4.05E-06	3.33E-06	7.38E-06	6.87E-07	5.35E-07	1.22E-06	3.27E-06	2.45E-06	5.71E-06	5.35E-07	4.74E-07	1.01E-06	4.00E-07	2.42E-07	6.42E-07
1918	563137.91	4234396.01	4.26E-06	3.51E-06	7.77E-06	7.23E-07	5.63E-07	1.29E-06	3.44E-06	2.57E-06	6.01E-06	5.63E-07	4.99E-07	1.06E-06	4.21E-07	2.55E-07	6.76E-07
1919	563128.39	4234395.23	4.48E-06	3.69E-06	8.17E-06	7.60E-07	5.92E-07	1.35E-06	3.62E-06	2.71E-06	6.32E-06	5.92E-07	5.25E-07	1.12E-06	4.42E-07	2.68E-07	7.11E-07
1920	563118.87	4234394.44	4.72E-06	3.89E-06	8.61E-06	8.01E-07	6.23E-07	1.42E-06	3.81E-06	2.85E-06	6.66E-06	6.24E-07	5.53E-07	1.18E-06	4.66E-07	2.83E-07	7.49E-07
1921	563109.35	4234393.66	4.98E-06	4.10E-06	9.09E-06	8.45E-07	6.58E-07	1.50E-06	4.02E-06	3.01E-06	7.03E-06	6.59E-07	5.84E-07	1.24E-06	4.92E-07	2.98E-07	7.90E-07
1922	563206.2	4234381.56	2.74E-06	2.26E-06	5.00E-06	4.65E-07	3.62E-07	8.27E-07	2.21E-06	1.66E-06	3.87E-06	3.63E-07	3.21E-07	6.84E-07	2.71E-07	1.64E-07	4.35E-07
1923	563196.68	4234380.78	2.86E-06	2.36E-06	5.22E-06	4.86E-07	3.78E-07	8.64E-07	2.31E-06	1.73E-06	4.04E-06	3.79E-07	3.36E-07	7.14E-07	2.83E-07	1.71E-07	4.54E-07
1924	563187.15	4234380	2.99E-06	2.47E-06	5.46E-06	5.08E-07	3.96E-07	9.04E-07	2.42E-06	1.81E-06	4.23E-06	3.96E-07	3.51E-07	7.47E-07	2.96E-07	1.79E-07	4.75E-07
1925	563177.63	4234379.21	3.14E-06	2.58E-06	5.72E-06	5.32E-07	4.14E-07	9.46E-07	2.53E-06	1.89E-06	4.43E-06	4.15E-07	3.67E-07	7.82E-07	3.10E-07	1.88E-07	4.97E-07
1926	563168.11	4234378.43	3.29E-06	2.71E-06	6.00E-06	5.58E-07	4.34E-07	9.92E-07	2.65E-06	1.99E-06	4.64E-06	4.35E-07	3.85E-07	8.20E-07	3.25E-07	1.97E-07	5.21E-07
1927	563158.59	4234377.64	3.45E-06	2.84E-06	6.29E-06	5.86E-07	4.56E-07	1.04E-06	2.79E-06	2.09E-06	4.87E-06	4.56E-07	4.04E-07	8.61E-07	3.41E-07	2.07E-07	5.47E-07
1928	563149.07	4234376.86	3.63E-06	2.99E-06	6.61E-06	6.15E-07	4.79E-07	1.09E-06	2.93E-06	2.19E-06	5.12E-06	4.79E-07	4.25E-07	9.04E-07	3.58E-07	2.17E-07	5.75E-07
1929	563139.55	4234376.08	3.81E-06	3.14E-06	6.95E-06	6.47E-07	5.03E-07	1.15E-06	3.08E-06	2.30E-06	5.38E-06	5.04E-07	4.47E-07	9.51E-07	3.76E-07	2.28E-07	6.05E-07
1930	563130.03	4234375.29	4.00E-06	3.30E-06	7.30E-06	6.80E-07	5.29E-07	1.21E-06	3.23E-06	2.42E-06	5.65E-06	5.30E-07	4.69E-07	9.99E-07	3.95E-07	2.40E-07	6.35E-07
1931	563120.51	4234374.51	4.21E-06	3.47E-06	7.69E-06	7.15E-07	5.57E-07	1.27E-06	3.40E-06	2.55E-06	5.95E-06	5.57E-07	4.94E-07	1.05E-06	4.16E-07	2.52E-07	6.69E-07
1932	563110.99	4234373.73	4.45E-06	3.67E-06	8.12E-06	7.55E-07	5.88E-07	1.34E-06	3.59E-06	2.69E-06	6.28E-06	5.89E-07	5.22E-07	1.11E-06	4.40E-07	2.66E-07	7.06E-07
1933	563207.84	4234361.63	2.52E-06	2.07E-06	4.59E-06	4.27E-07	3.32E-07	7.59E-07	2.03E-06	1.52E-06	3.55E-06	3.33E-07	2.95E-07	6.28E-07	2.49E-07	1.51E-07	3.99E-07
1934	563198.32	4234360.85	2.62E-06	2.16E-06	4.78E-06	4.44E-07	3.46E-07	7.90E-07	2.12E-06	1.58E-06	3.70E-06	3.46E-07	3.07E-07	6.53E-07	2.59E-07	1.57E-07	4.15E-07
1935	563188.8	4234360.06	2.73E-06	2.25E-06	4.98E-06	4.63E-07	3.61E-07	8.24E-07	2.20E-06	1.65E-06	3.85E-06	3.61E-07	3.20E-07	6.81E-07	2.70E-07	1.63E-07	4.33E-07
1936	563179.27	4234359.28	2.85E-06	2.35E-06	5.20E-06	4.83E-07	3.76E-07	8.60E-07	2.30E-06	1.72E-06	4.02E-06	3.77E-07	3.34E-07	7.11E-07	2.81E-07	1.71E-07	4.52E-07
1937	563169.75	4234358.5	2.98E-06	2.45E-06	5.43E-06	5.05E-07	3.93E-07	8.99E-07	2.40E-06	1.80E-06	4.20E-06	3.94E-07	3.49E-07	7.43E-07	2.94E-07	1.78E-07	4.72E-07
1938	563160.23	4234357.71	3.12E-06	2.57E-06	5.69E-06	5.29E-07	4.12E-07	9.41E-07	2.52E-06	1.88E-06	4.40E-06	4.12E-07	3.65E-07	7.78E-07	3.08E-07	1.87E-07	4.95E-07
1939	563150.71	4234356.93	3.27E-06	2.69E-06	5.96E-06	5.55E-07	4.32E-07	9.86E-07	2.64E-06	1.98E-06	4.62E-06	4.32E-07	3.83E-07	8.15E-07	3.23E-07	1.96E-07	5.18E-07
1940	563141.19	4234356.14	3.43E-06	2.83E-06	6.26E-06	5.82E-07	4.53E-07	1.04E-06	2.77E-06	2.07E-06	4.84E-06	4.54E-07	4.02E-07	8.56E-07	3.39E-07	2.05E-07	5.44E-07
1941	563131.67	4234355.36	3.60E-06	2.97E-06	6.57E-06	6.11E-07	4.76E-07	1.09E-06	2.91E-06	2.18E-06	5.08E-06	4.76E-07	4.22E-07	8.98E-07	3.56E-07	2.16E-07	5.71E-07
1942	563122.15	4234354.58	3.78E-06	3.12E-06	6.90E-06	6.42E-07	5.00E-07	1.14E-06	3.05E-06	2.29E-06	5.34E-06	5.00E-07	4.43E-07	9.43E-07	3.74E-07	2.26E-07	6.00E-07
1943	563112.63	4234353.79	3.99E-06	3.29E-06	7.29E-06	6.78E-07	5.28E-07	1.21E-06	3.23E-06	2.41E-06	5.64E-06	5.28E-07	4.68E-07	9.96E-07	3.94E-07	2.39E-07	6.34E-07
1944	563209.48	4234341.7	2.32E-06	1.91E-06	4.23E-06	3.94E-07	3.06E-07	7.00E-07	1.87E-06	1.40E-06	3.28E-06	3.07E-07	2.72E-07	5.79E-07	2.29E-07	1.39E-07	3.68E-07
1945	563199.96	4234340.91	2.41E-06	1.98E-06	4.39E-06	4.08E-07	3.18E-07	7.26E-07	1.94E-06	1.45E-06	3.40E-06	3.18E-07	2.82E-07	6.00E-07	2.38E-07	1.44E-07	3.82E-07
1946	563190.44	4234340.13	2.50E-06	2.06E-06	4.56E-06	4.24E-07	3.30E-07	7.55E-07	2.02E-06	1.51E-06	3.53E-06	3.31E-07	2.93E-07	6.24E-07	2.47E-07	1.50E-07	3.97E-07
1947	563180.92	4234339.35	2.60E-06	2.14E-06	4.75E-06	4.42E-07	3.44E-07	7.85E-07	2.10E-06	1.57E-06	3.67E-06	3.44E-07	3.05E-07	6.49E-07	2.57E-07	1.56E-07	4.13E-07
1948	563171.39	4234338.56	2.71E-06	2.24E-06	4.95E-06	4.60E-07	3.58E-07	8.19E-07	2.19E-06	1.64E-06	3.83E-06	3.59E-07	3.18E-07	6.77E-07	2.68E-07	1.62E-07	4.30E-07
1949	563161.87	4234337.78	2.83E-06	2.33E-06	5.17E-06	4.81E-07	3.74E-07	8.55E-07	2.29E-06	1.71E-06	4.00E-06	3.75E-07	3.32E-07	7.07E-07	2.80E-07	1.70E-07	4.49E-07

1950	563152.35	4234337	2.96E-06	2.44E-06	5.41E-06	5.03E-07	3.91E-07	8.94E-07	2.39E-06	1.79E-06	4.18E-06	3.92E-07	3.47E-07	7.39E-07	2.93E-07	1.77E-07	4.70E-07
1951	563142.83	4234336.21	3.10E-06	2.56E-06	5.66E-06	5.27E-07	4.10E-07	9.37E-07	2.51E-06	1.88E-06	4.38E-06	4.11E-07	3.64E-07	7.74E-07	3.07E-07	1.86E-07	4.92E-07
1952	563133.31	4234335.43	3.25E-06	2.68E-06	5.94E-06	5.52E-07	4.30E-07	9.82E-07	2.63E-06	1.97E-06	4.59E-06	4.30E-07	3.81E-07	8.12E-07	3.21E-07	1.95E-07	5.16E-07
1953	563123.79	4234334.64	3.41E-06	2.81E-06	6.22E-06	5.79E-07	4.51E-07	1.03E-06	2.75E-06	2.06E-06	4.82E-06	4.51E-07	4.00E-07	8.51E-07	3.37E-07	2.04E-07	5.41E-07
1954	563114.27	4234333.86	3.60E-06	2.97E-06	6.57E-06	6.11E-07	4.76E-07	1.09E-06	2.91E-06	2.18E-06	5.08E-06	4.76E-07	4.22E-07	8.98E-07	3.56E-07	2.16E-07	5.71E-07
1955	563212.76	4234301.83	2.00E-06	1.64E-06	3.64E-06	3.39E-07	2.64E-07	6.02E-07	1.61E-06	1.21E-06	2.82E-06	2.64E-07	2.34E-07	4.98E-07	1.97E-07	1.19E-07	3.16E-07
1956	563203.24	4234301.05	2.06E-06	1.70E-06	3.76E-06	3.49E-07	2.72E-07	6.21E-07	1.66E-06	1.24E-06	2.91E-06	2.72E-07	2.41E-07	5.14E-07	2.03E-07	1.23E-07	3.27E-07
1957	563193.72	4234300.26	2.13E-06	1.75E-06	3.88E-06	3.61E-07	2.81E-07	6.42E-07	1.72E-06	1.29E-06	3.00E-06	2.81E-07	2.49E-07	5.31E-07	2.10E-07	1.27E-07	3.38E-07
1958	563184.2	4234299.48	2.20E-06	1.82E-06	4.02E-06	3.74E-07	2.91E-07	6.65E-07	1.78E-06	1.33E-06	3.11E-06	2.91E-07	2.58E-07	5.50E-07	2.18E-07	1.32E-07	3.49E-07
1959	563174.68	4234298.7	2.29E-06	1.88E-06	4.17E-06	3.88E-07	3.02E-07	6.90E-07	1.85E-06	1.38E-06	3.23E-06	3.02E-07	2.68E-07	5.70E-07	2.26E-07	1.37E-07	3.63E-07
1960	563165.15	4234297.91	2.38E-06	1.96E-06	4.33E-06	4.03E-07	3.14E-07	7.17E-07	1.92E-06	1.44E-06	3.35E-06	3.14E-07	2.78E-07	5.93E-07	2.35E-07	1.42E-07	3.77E-07
1961	563155.63	4234297.13	2.47E-06	2.04E-06	4.51E-06	4.20E-07	3.27E-07	7.47E-07	2.00E-06	1.50E-06	3.49E-06	3.27E-07	2.90E-07	6.17E-07	2.44E-07	1.48E-07	3.92E-07
1962	563146.11	4234296.35	2.58E-06	2.13E-06	4.71E-06	4.38E-07	3.41E-07	7.79E-07	2.08E-06	1.56E-06	3.65E-06	3.41E-07	3.03E-07	6.44E-07	2.55E-07	1.55E-07	4.10E-07
1963	563136.59	4234295.56	2.70E-06	2.22E-06	4.92E-06	4.58E-07	3.56E-07	8.14E-07	2.18E-06	1.63E-06	3.81E-06	3.57E-07	3.16E-07	6.73E-07	2.66E-07	1.61E-07	4.28E-07
1964	563127.07	4234294.78	2.82E-06	2.32E-06	5.15E-06	4.79E-07	3.73E-07	8.51E-07	2.28E-06	1.71E-06	3.98E-06	3.73E-07	3.31E-07	7.04E-07	2.79E-07	1.69E-07	4.48E-07
1965	563117.55	4234294	2.97E-06	2.44E-06	5.41E-06	5.03E-07	3.92E-07	8.95E-07	2.39E-06	1.79E-06	4.19E-06	3.92E-07	3.47E-07	7.40E-07	2.93E-07	1.77E-07	4.70E-07
1966	563216.04	4234261.97	1.74E-06	1.43E-06	3.17E-06	2.95E-07	2.30E-07	5.25E-07	1.41E-06	1.05E-06	2.46E-06	2.30E-07	2.04E-07	4.34E-07	1.72E-07	1.04E-07	2.76E-07
1967	563206.52	4234261.18	1.79E-06	1.47E-06	3.26E-06	3.03E-07	2.36E-07	5.39E-07	1.44E-06	1.08E-06	2.52E-06	2.36E-07	2.09E-07	4.46E-07	1.76E-07	1.07E-07	2.83E-07
1968	563197	4234260.4	1.84E-06	1.52E-06	3.35E-06	3.12E-07	2.43E-07	5.55E-07	1.48E-06	1.11E-06	2.60E-06	2.43E-07	2.15E-07	4.59E-07	1.82E-07	1.10E-07	2.92E-07
1969	563187.48	4234259.62	1.90E-06	1.56E-06	3.46E-06	3.22E-07	2.50E-07	5.72E-07	1.53E-06	1.15E-06	2.68E-06	2.51E-07	2.22E-07	4.73E-07	1.87E-07	1.13E-07	3.01E-07
1970	563177.96	4234258.83	1.96E-06	1.61E-06	3.57E-06	3.32E-07	2.59E-07	5.91E-07	1.58E-06	1.18E-06	2.76E-06	2.59E-07	2.29E-07	4.88E-07	1.93E-07	1.17E-07	3.10E-07
1971	563168.44	4234258.05	2.03E-06	1.67E-06	3.70E-06	3.44E-07	2.68E-07	6.11E-07	1.64E-06	1.22E-06	2.86E-06	2.68E-07	2.37E-07	5.05E-07	2.00E-07	1.21E-07	3.21E-07
1972	563158.91	4234257.27	2.10E-06	1.73E-06	3.83E-06	3.57E-07	2.78E-07	6.34E-07	1.70E-06	1.27E-06	2.97E-06	2.78E-07	2.46E-07	5.24E-07	2.08E-07	1.26E-07	3.33E-07
1973	563149.39	4234256.48	2.19E-06	1.80E-06	3.99E-06	3.71E-07	2.89E-07	6.59E-07	1.76E-06	1.32E-06	3.09E-06	2.89E-07	2.56E-07	5.45E-07	2.16E-07	1.31E-07	3.47E-07
1974	563139.87	4234255.7	2.28E-06	1.88E-06	4.15E-06	3.86E-07	3.01E-07	6.87E-07	1.84E-06	1.38E-06	3.21E-06	3.01E-07	2.67E-07	5.68E-07	2.25E-07	1.36E-07	3.61E-07
1975	563130.35	4234254.91	2.37E-06	1.96E-06	4.33E-06	4.03E-07	3.13E-07	7.16E-07	1.92E-06	1.43E-06	3.35E-06	3.14E-07	2.78E-07	5.92E-07	2.34E-07	1.42E-07	3.76E-07
1976	563120.83	4234254.13	2.48E-06	2.04E-06	4.52E-06	4.21E-07	3.27E-07	7.48E-07	2.00E-06	1.50E-06	3.50E-06	3.28E-07	2.90E-07	6.18E-07	2.45E-07	1.48E-07	3.93E-07
1977	563219.32	4234222.1	1.56E-06	1.29E-06	2.85E-06	2.65E-07	2.06E-07	4.72E-07	1.26E-06	9.44E-07	2.21E-06	2.07E-07	1.83E-07	3.90E-07	1.54E-07	9.35E-08	2.48E-07
1978	563209.8	4234221.32	1.60E-06	1.31E-06	2.91E-06	2.71E-07	2.11E-07	4.81E-07	1.29E-06	9.64E-07	2.25E-06	2.11E-07	1.87E-07	3.98E-07	1.58E-07	9.55E-08	2.53E-07
1979	563200.28	4234220.53	1.63E-06	1.34E-06	2.97E-06	2.76E-07	2.15E-07	4.91E-07	1.31E-06	9.83E-07	2.30E-06	2.15E-07	1.91E-07	4.06E-07	1.61E-07	9.73E-08	2.58E-07
1980	563190.76	4234219.75	1.66E-06	1.37E-06	3.03E-06	2.82E-07	2.19E-07	5.01E-07	1.34E-06	1.00E-06	2.34E-06	2.19E-07	1.95E-07	4.14E-07	1.64E-07	9.93E-08	2.63E-07
1981	563181.24	4234218.97	1.70E-06	1.40E-06	3.10E-06	2.88E-07	2.25E-07	5.13E-07	1.37E-06	1.03E-06	2.40E-06	2.25E-07	1.99E-07	4.24E-07	1.68E-07	1.02E-07	2.70E-07
1982	563171.72	4234218.18	1.75E-06	1.44E-06	3.20E-06	2.97E-07	2.32E-07	5.29E-07	1.42E-06	1.06E-06	2.48E-06	2.32E-07	2.05E-07	4.37E-07	1.73E-07	1.05E-07	2.78E-07
1983	563162.2	4234217.4	1.81E-06	1.49E-06	3.31E-06	3.07E-07	2.39E-07	5.47E-07	1.46E-06	1.10E-06	2.56E-06	2.40E-07	2.12E-07	4.52E-07	1.79E-07	1.08E-07	2.87E-07
1984	563152.68	4234216.62	1.88E-06	1.55E-06	3.42E-06	3.19E-07	2.48E-07	5.66E-07	1.52E-06	1.13E-06	2.65E-06	2.48E-07	2.20E-07	4.68E-07	1.85E-07	1.12E-07	2.98E-07
1985	563143.15	4234215.83	1.95E-06	1.61E-06	3.55E-06	3.31E-07	2.57E-07	5.88E-07	1.57E-06	1.18E-06	2.75E-06	2.58E-07	2.28E-07	4.86E-07	1.92E-07	1.17E-07	3.09E-07
1986	563133.63	4234215.05	2.03E-06	1.67E-06	3.70E-06	3.44E-07	2.68E-07	6.11E-07	1.64E-06	1.22E-06	2.86E-06	2.68E-07	2.37E-07	5.05E-07	2.00E-07	1.21E-07	3.21E-07
1987	563124.11	4234214.27	2.11E-06	1.74E-06	3.85E-06	3.58E-07	2.79E-07	6.37E-07	1.70E-06	1.27E-06	2.98E-06	2.79E-07	2.47E-07	5.26E-07	2.08E-07	1.26E-07	3.35E-07
1988	563222.6	4234182.24	1.39E-06	1.15E-06	2.54E-06	2.37E-07	1.84E-07	4.21E-07	1.13E-06	8.43E-07	1.97E-06	1.84E-07	1.63E-07	3.48E-07	1.38E-07	8.35E-08	2.21E-07
1989	563213.08	4234181.45	1.42E-06	1.17E-06	2.59E-06	2.41E-07	1.88E-07	4.29E-07	1.15E-06	8.60E-07	2.01E-06	1.88E-07	1.67E-07	3.55E-07	1.40E-07	8.51E-08	2.26E-07
1990	563203.56	4234180.67	1.44E-06	1.19E-06	2.63E-06	2.45E-07	1.91E-07	4.35E-07	1.17E-06	8.72E-07	2.04E-06	1.91E-07	1.69E-07	3.60E-07	1.43E-07	8.64E-08	2.29E-07
1991	563194.04	4234179.89	1.47E-06	1.21E-06	2.68E-06	2.49E-07	1.94E-07	4.43E-07	1.18E-06	8.87E-07	2.07E-06	1.94E-07	1.72E-07	3.66E-07	1.45E-07	8.78E-08	2.33E-07
1992	563184.52	4234179.1	1.49E-06	1.23E-06	2.73E-06	2.54E-07	1.97E-07	4.51E-07	1.21E-06	9.03E-07	2.11E-06	1.98E-07	1.75E-07	3.73E-07	1.48E-07	8.94E-08	2.37E-07
1993	563175	4234178.32	1.54E-06	1.26E-06	2.80E-06	2.61E-07	2.03E-07	4.63E-07	1.24E-06	9.28E-07	2.17E-06	2.03E-07	1.80E-07	3.83E-07	1.52E-07	9.19E-08	2.44E-07
1994	563165.48	4234177.53	1.58E-06	1.30E-06	2.89E-06	2.68E-07	2.09E-07	4.77E-07	1.28E-06	9.56E-07	2.23E-06	2.09E-07	1.85E-07	3.95E-07	1.56E-07	9.47E-08	2.51E-07
1995	563155.96	4234176.75	1.63E-06	1.35E-06	2.98E-06	2.77E-07	2.16E-07	4.93E-07	1.32E-06	9.87E-07	2.31E-06	2.16E-07	1.91E-07	4.07E-07	1.61E-07	9.78E-08	2.59E-07
1996	563146.44	4234175.97	1.69E-06	1.39E-06	3.08E-06	2.87E-07	2.23E-07	5.10E-07	1.36E-06	1.02E-06	2.39E-06	2.24E-07	1.98E-07	4.22E-07	1.67E-07	1.01E-07	2.68E-07
1997	563136.91	4234175.18	1.75E-06	1.44E-06	3.20E-06	2.97E-07	2.31E-07	5.29E-07	1.41E-06	1.06E-06	2.47E-06	2.32E-07	2.05E-07	4.37E-07	1.73E-07	1.05E-07	2.78E-07
1998	563127.39	4234174.4	1.82E-06	1.50E-06	3.32E-06	3.09E-07	2.40E-07	5.49E-07	1.47E-06	1.10E-06	2.57E-06	2.41E-07	2.13E-07	4.54E-07	1.80E-07	1.09E-07	2.89E-07
1999	563225.88	4234142.37	1.24E-06	1.02E-06	2.27E-06	2.11E-07	1.64E-07	3.75E-07	1.00E-06	7.51E-07	1.75E-06	1.64E-07	1.46E-07	3.10E-07	1.23E-07	7.44E-08	1.97E-07
2000	563216.36	4234141.59	1.26E-06	1.04E-06	2.30E-06	2.14E-07	1.66E-07	3.80E-07	1.02E-06	7.61E-07	1.78E-06	1.67E-07	1.48E-07	3.14E-07	1.24E-07	7.54E-08	2.00E-07
2001	563206.84	4234140.8	1.28E-06	1.05E-06	2.33E-06	2.17E-07	1.69E-07	3.86E-07	1.03E-06	7.73E-07	1.81E-06	1.69E-07	1.50E-07	3.19E-07	1.26E-07	7.65E-08	2.03E-07
2002	563197.32	4234140.02	1.30E-06	1.07E-06	2.37E-06	2.21E-07	1.72E-07	3.93E-07	1.05E-06	7.86E-07	1.84E-06	1.72E-07	1.52E-07	3.25E-07	1.28E-07	7.79E-08	2.06E-07
2003	563187.8	4234139.24	1.33E-06	1.09E-06	2.42E-06	2.25E-07	1.75E-07	4.00E-07	1.07E-06	8.02E-07	1.87E-06	1.75E-07	1.55E-07	3.31E-07	1.31E-07	7.94E-08	2.10E-07
2004	563178.28	4234138.45	1.36E-06	1.12E-06	2.48E-06	2.30E-07	1.79E-07	4.10E-07	1.10E-06	8.21E-07	1.92E-06	1.80E-07	1.59E-07	3.39E-07	1.34E-07	8.13E-08	2.15E-07
2005	563168.76	4234137.67	1.40E-06	1.15E-06	2.55E-06	2.37E-07	1.84E-07	4.21E-07	1.13E-06	8.43E-07	1.97E-06	1.85E-07	1.64E-07	3.48E-07	1.38E-07	8.35E-08	2.21E-07
2006	563159.24	4234136.89	1.44E-06	1.18E-06	2.62E-06	2.44E-07	1.90E-07	4.34E-07	1.16E-06	8.68E-07	2.03E-06	1.90E-07	1.68E-07	3.58E-07	1.42E-07	8.60E-08	2.28E-07
2007	563149.72	4234136.1	1.48E-06	1.22E-06	2.70E-06	2.52E-07	1.96E-07	4.47E-07	1.20E-06	8.96E-07	2.09E-06	1.96E-07	1.74E-07	3.70E-07	1.46E-07	8.87E-08	2.35E-07
2008	563140.2	4234135.32	1.53E-06	1.26E-06	2.80E-06	2.60E-07	2.02E-07	4.63E-07	1.24E-06	9.26E-07	2.16E-06	2.03E-07	1.80E-07	3.82E-07	1.51E-07	9.18E-08	2.43E-07
2009	563130.67	4234134.54	1.59E-06	1.31E-06	2.90E-06	2.69E-07	2.10E-07	4.79E-07	1.28E-06	9.59E-07	2.24E-06	2.10E-07	1.86E-07	3.96E-07	1.57E-07	9.50E-08	2.52E-07
2010	563229.17	4234102.51	1.11E-06	9.11E-07	2.02E-06	1.88E-07	1.46E-07	3.34E-07	8.93E-07	6.69E-07	1.56E-06	1.46E-07	1.30E-07	2.76E-07	1.09E-07	6.62E-08	1.75E-07
2011	563219.64	4234101.72	1.12E-06	9.25E-07	2.05E-06	1.90E-07	1.48E-07	3.39E-07	9.06E-07	6.78E-07	1.58E-06	1.48E-07	1.32E-07	2.80E-07	1.11E-07	6.72E-08	1.78E-07
2012	563210.12	4234100.94	1.14E-06	9.40E-07	2.08E-06	1.94E-07	1.51E-07	3.44E-07	9.21E-07	6.89E-07	1.61E-06	1.51E-07	1.34E-07	2.84E-07	1.13E-07	6.83E-08	1.81E-07
2013	563200.6	4234100.16	1.16E-06	9.57E-07	2.12E-06	1.97E-07	1.53E-07	3.51E-07	9.38E-07	7.02E-07	1.64E-06	1.54E-07	1.36E-07	2.90E-07	1.15E-07	6.95E-08	1.84E-07
2014	563191.08	4234099.37	1.19E-06	9.77E-07	2.16E-06	2.01E-07	1.57E-07	3.58E-07	9.57E-07	7.17E-07	1.67E-06	1.57E-07	1.39E-07	2.96E-07	1.17E-07	7.10E-08	1.88E-07
2015	563181.56	4234098.59	1.21E-06	9.99E-07	2.21E-06	2.06E-07	1.60E-07	3.66E-07	9.79E-07	7.33E-07	1.71E-06	1.60E-07	1.42E-07	3.02E-07	1.20E-07	7.26E-08	1.92E-07
2016	563172.04	4234097.8	1.24E-06	1.02E-06	2.27E-06	2.11E-07	1.64E-07	3.75E-07	1.00E-06	7.51E-07	1.75E-06	1.64E-07	1.46E-07	3.10E-07	1.23E-07	7.44E-08	1.97E-07
2017	563162.52	4234097.02	1.28E-06	1.05E-06	2.33E-06	2.16E-07	1.69E-07	3.85E-07	1.03E-06	7.71E-07	1.80E-06	1.69E-07	1.50E-07	3.18E-07	1.26E-07	7.64E-08	2.02E-07
2018	563153	4234096.24	1.31E-06	1.08E-06	2.39E-06	2.23E-07	1.73E-07	3.96E-07	1.06E-06	7.94E-07	1.85E-06	1.74E-07	1.54E-07	3.28E-07	1.30E-07	7.86E-08	2.08E-07
2019	563143.48	4234095.45	1.35E-06	1.12E-06	2.47E-06	2.30E-07	1.79E-07	4.09E-07	1.09E-06	8.18E-07	1.91E-06	1.79E-07	1.59E-07	3.38E-07	1.34E-07	8.10E-08	2.15E-07
2020	563133.96	4234094.67	1.40E-06	1.15E-06	2.55E-06	2.37E-07	1.85E-07	4.22E-07	1.13E-06	8.45E-07	1.97E-06	1.85E-07	1.64E-07	3.49E-07	1.38E-07	8.37E-08	2.22E-07
2021	563232.45	4234062.64	1.00E-06	8.26E-07	1.83E-06	1.70E-07	1.32E-07	3.03E-07	8.10E-07	6.06E-07	1.42E-06	1.33E-07	1.18E-07	2.50E-07	9.90E-08	6.00E-08	1.59E-07
2022	563222.93	4234061.86	1.02E-06	8.38E-07	1.85E-06	1.73E-07	1.34E-07	3.07E-07	8.21E-07	6.15E-07	1.44E-06	1.34E-07	1.19E-07	2.54E-07	1.00E-07	6.09E-08	1.61E-07
2023	563213.4	4234061.07	1.03E-06	8.50E-07	1.88E-06	1.75E-07	1.36E-07	3.11E-07	8.33E-07	6.24E-07	1.46E-06	1.37E-07	1.21E-07	2.57E-07	1.02E-07	6.18E-08	1.64E-07
2024	563203.88	4234060.29	1.05E-06	8.65E-07	1.91E-06	1.78E-07	1.39E-07	3.17E-07	8.47E-07	6.34E-07	1.48E-06	1.39E-07	1.23E-07	2.62E-07	1.04E-07	6.28E-08	1.66E-07
2025	563194.36	4234059.51	1.07E-06	8.80E-07	1.95E-06	1.81E-07	1.41E-07	3.22E-07	8.63E-07	6.46E-07	1.51E-06	1.41E-07	1.25E-07	2.67E-07	1.06E-07	6.40E-08	1.69E-07
2026	563184.84	4234058.72	1.09E-06	8.98E-07	1.99E-06	1.85E-07	1.44E-07	3.29E-07	8.80E-07	6.59E-07	1.54E-06	1.44E-07	1.28E-07	2.72E-07	1.08E-07	6.53E-08	1.73E-07
2027	563175.32	4234057.94	1.11E-06	9.19E-07	2.03E-06	1.89E-07	1.47E-07	3.36E-07	9.00E-07	6.74E-07	1.57E-06	1.47E-07	1.31E-07	2.78E-07	1.10E-07	6.67E-08	1.77E-07
2028	563165.8	4234057.16	1.14E-06	9.41E-07	2.08E-06	1.94E-07	1.51E-07	3.45E-07	9.22E-07	6.90E-07	1.61E-06	1.51E-07	1.34E-07	2.85E-07	1.13E-07	6.84E-08	1.81E-07
2029	563156.28	4234056.37	1.17E-06	9.66E-07	2.14E-06	1.99E-07	1.55E-07	3.54E-07	9.47E-07	7.09E-07	1.66E-06	1.55E-07	1.37E-07	2.93E-07	1.16E-07	7.02E-08	1.86E-07
2030	563146.76	4234055.59	1.21E-06	9.94E-07	2.20E-06	2.05E-07	1.59E-07	3.64E-07	9.74E-07	7.29E-07	1.70E-06	1.60E-07	1.41E-07	3.01E-07	1.19E-07	7.22E-08	1.91E-07
2031	563137.24	4234054.8	1.24E-06	1.02E-06	2.27E-06	2.11E-07	1.64E-07	3.75E-07	1.00E-06	7.52E-07	1.76E-06	1.64E-07	1.46E-07	3.10E-07	1.23E-07	7.44E-08	1.97E-07
2032	563226.21	4234021.99	9.27E-07	7.64E-07	1.69E-06	1.57E-07	1.22E-07	2.80E-07	7.49E-07	5.60E-07	1.31E-06	1.23E-07	1.09E-07	2.31E-07	9.16E-08	5.55E-08	1.47E-07
2033	563216.69	4234021.21	9.40E-07	7.74E-07	1.71E-06	1.59E-07	1.24E-07	2.84E-07	7.59E-07	5.68E-07	1.33E-06	1.24E-07	1.10E-07	2.34E-07	9.28E-08	5.62E-08	1.49E-07
2034	563207.16	4234020.42	9.54E-07	7.86E-07	1.74E-06	1.62E-07	1.26E-07	2.88E-07	7.70E-07	5.76E-07	1.35E-06	1.26E-07	1.12E-07	2.38E-07	9.42E-08	5.71E-08	1.51E-07
2035	563197.64	4234019.64	9.69E-07	7.99E-07	1.77E-06	1.64E-07	1.28E-07	2.93E-07	7.83E-07	5.86E-07	1.37E-06	1.28E-07	1.14E-07	2.42E-07	9.57E-08	5.80E-08	1.54E-07
2036	563188.12	4234018.86	9.87E-07	8.13E-07	1.80E-06	1.68E-07	1.30E-07	2.98E-07	7.97E-07	5.97E-07	1.39E-06	1.31E-07	1.16E-07	2.46E-07	9.75E-08	5.91E-08	1.57E-07
2037	563178.6	4234018.07	1.01E-06	8.30E-07	1.84E-06	1.71E-07	1.33E-07	3.04E-07	8.13E-07	6.09E-07	1.42E-06	1.33E-07	1.18E-07	2.51E-07	9.95E-08	6.03E-08	1.60E-07
2038	563169.08	4234017.29	1.03E-06	8.49E-07	1.88E-06	1.75E-07	1.36E-07	3.11E-07	8.32E-07	6.23E-07	1.45E-06	1.36E-07	1.21E-07	2.57E-07	1.02E-07	6.17E-08	1.63E-07
2039	563159.56	4234016.51	1.06E-06	8.70E-07	1.92E-06	1.79E-07	1.39E-07	3.18E-07	8.52E-07	6.38E-07	1.49E-06	1.40E-07	1.24E-07	2.63E-07	1.04E-07	6.32E-08	1.67E-07
2040	563150.04	4234015.72	1.08E-06	8.93E-07	1.98E-06	1.84E-07	1.43E-07	3.27E-07	8.75E-07	6.55E-07	1.53E-06	1.43E-07	1.27E-07	2.70E-07	1.07E-07	6.48E-08	1.72E-07
2041	563140.52	4234014.94	1.11E-06	9.18E-07	2.03E-06	1.89E-07	1.47E-07	3.36E-07	9.00E-07	6.73E-07	1.57E-06	1.47E-07	1.31E-07	2.78E-07	1.10E-07	6.67E-08	1.77E-07
2042	563229.49	4233982.13	8.50E-07	7.00E-07	1.55E-06	1.44E-07	1.12E-07	2.57E-07	6.86E-07	5.14E-07	1.20E-06	1.12E-07	9.96E-08	2.12E-07	8.39E-08	5.09E-08	1.35E-07

2043	563219.97	4233981.34	8.60E-07	7.09E-07	1.57E-06	1.46E-07	1.14E-07	2.60E-07	6.94E-07	5.20E-07	1.21E-06	1.14E-07	1.01E-07	2.15E-07	8.49E-08	5.15E-08	1.36E-07
2044	563210.45	4233980.56	8.72E-07	7.18E-07	1.59E-06	1.48E-07	1.15E-07	2.63E-07	7.04E-07	5.27E-07	1.23E-06	1.15E-07	1.02E-07	2.17E-07	8.61E-08	5.22E-08	1.38E-07
2045	563200.92	4233979.78	8.85E-07	7.29E-07	1.61E-06	1.50E-07	1.17E-07	2.67E-07	7.14E-07	5.35E-07	1.25E-06	1.17E-07	1.04E-07	2.21E-07	8.74E-08	5.29E-08	1.40E-07
2046	563191.4	4233978.99	8.99E-07	7.41E-07	1.64E-06	1.53E-07	1.19E-07	2.71E-07	7.26E-07	5.43E-07	1.27E-06	1.19E-07	1.05E-07	2.24E-07	8.88E-08	5.38E-08	1.43E-07
2047	563181.88	4233978.21	9.16E-07	7.55E-07	1.67E-06	1.55E-07	1.21E-07	2.76E-07	7.40E-07	5.54E-07	1.29E-06	1.21E-07	1.07E-07	2.28E-07	9.05E-08	5.48E-08	1.45E-07
2048	563172.36	4233977.43	9.35E-07	7.70E-07	1.71E-06	1.59E-07	1.23E-07	2.82E-07	7.55E-07	5.65E-07	1.32E-06	1.24E-07	1.10E-07	2.33E-07	9.23E-08	5.60E-08	1.48E-07
2049	563162.84	4233976.64	9.56E-07	7.88E-07	1.74E-06	1.62E-07	1.26E-07	2.88E-07	7.72E-07	5.78E-07	1.35E-06	1.26E-07	1.12E-07	2.38E-07	9.44E-08	5.72E-08	1.52E-07
2050	563153.32	4233975.86	9.79E-07	8.07E-07	1.79E-06	1.66E-07	1.29E-07	2.96E-07	7.91E-07	5.92E-07	1.38E-06	1.30E-07	1.15E-07	2.44E-07	9.67E-08	5.86E-08	1.55E-07
2051	563143.8	4233975.07	1.01E-06	8.28E-07	1.83E-06	1.71E-07	1.33E-07	3.03E-07	8.12E-07	6.07E-07	1.42E-06	1.33E-07	1.18E-07	2.51E-07	9.93E-08	6.02E-08	1.59E-07
2052	563232.77	4233942.26	7.83E-07	6.45E-07	1.43E-06	1.33E-07	1.03E-07	2.36E-07	6.32E-07	4.73E-07	1.10E-06	1.04E-07	9.17E-08	1.95E-07	7.73E-08	4.68E-08	1.24E-07
2053	563223.25	4233941.48	7.91E-07	6.52E-07	1.44E-06	1.34E-07	1.04E-07	2.39E-07	6.39E-07	4.78E-07	1.12E-06	1.05E-07	9.27E-08	1.97E-07	7.81E-08	4.73E-08	1.25E-07
2054	563213.73	4233940.69	8.00E-07	6.59E-07	1.46E-06	1.36E-07	1.06E-07	2.42E-07	6.46E-07	4.84E-07	1.13E-06	1.06E-07	9.38E-08	2.00E-07	7.90E-08	4.79E-08	1.27E-07
2055	563204.21	4233939.91	8.11E-07	6.68E-07	1.48E-06	1.38E-07	1.07E-07	2.45E-07	6.55E-07	4.90E-07	1.15E-06	1.07E-07	9.51E-08	2.02E-07	8.01E-08	4.85E-08	1.29E-07
2056	563194.69	4233939.13	8.23E-07	6.78E-07	1.50E-06	1.40E-07	1.09E-07	2.48E-07	6.65E-07	4.98E-07	1.16E-06	1.09E-07	9.65E-08	2.05E-07	8.13E-08	4.93E-08	1.31E-07
2057	563185.16	4233938.34	8.37E-07	6.90E-07	1.53E-06	1.42E-07	1.11E-07	2.53E-07	6.76E-07	5.06E-07	1.18E-06	1.11E-07	9.81E-08	2.09E-07	8.27E-08	5.01E-08	1.33E-07
2058	563175.64	4233937.56	8.53E-07	7.03E-07	1.56E-06	1.45E-07	1.13E-07	2.57E-07	6.89E-07	5.16E-07	1.20E-06	1.13E-07	1.00E-07	2.13E-07	8.43E-08	5.11E-08	1.35E-07
2059	563166.12	4233936.78	8.71E-07	7.17E-07	1.59E-06	1.48E-07	1.15E-07	2.63E-07	7.03E-07	5.26E-07	1.23E-06	1.15E-07	1.02E-07	2.17E-07	8.60E-08	5.21E-08	1.38E-07
2060	563156.6	4233935.99	8.91E-07	7.34E-07	1.62E-06	1.51E-07	1.18E-07	2.69E-07	7.19E-07	5.38E-07	1.26E-06	1.18E-07	1.04E-07	2.22E-07	8.80E-08	5.33E-08	1.41E-07
2061	563147.08	4233935.21	9.12E-07	7.52E-07	1.66E-06	1.55E-07	1.21E-07	2.75E-07	7.37E-07	5.51E-07	1.29E-06	1.21E-07	1.07E-07	2.28E-07	9.01E-08	5.46E-08	1.45E-07
2062	563078.9	4234641.31	2.14E-05	1.76E-05	3.90E-05	3.63E-06	2.82E-06	6.45E-06	1.73E-05	1.29E-05	3.02E-05	2.83E-06	2.51E-06	5.33E-06	2.11E-06	1.28E-06	3.39E-06
2063	563078.1	4234650.63	2.20E-05	1.81E-05	4.01E-05	3.73E-06	2.91E-06	6.64E-06	1.78E-05	1.33E-05	3.11E-05	2.91E-06	2.58E-06	5.49E-06	2.17E-06	1.32E-06	3.49E-06
2064	563077.3	4234659.95	2.25E-05	1.85E-05	4.10E-05	3.81E-06	2.97E-06	6.78E-06	1.81E-05	1.36E-05	3.17E-05	2.97E-06	2.63E-06	5.60E-06	2.22E-06	1.34E-06	3.56E-06
2065	563076.51	4234669.27	2.27E-05	1.87E-05	4.14E-05	3.85E-06	2.99E-06	6.84E-06	1.83E-05	1.37E-05	3.20E-05	3.00E-06	2.66E-06	5.66E-06	2.24E-06	1.36E-06	3.60E-06
2066	563075.71	4234678.58	2.25E-05	1.86E-05	4.11E-05	3.82E-06	2.97E-06	6.79E-06	1.82E-05	1.36E-05	3.18E-05	2.98E-06	2.64E-06	5.62E-06	2.22E-06	1.35E-06	3.57E-06
2067	563074.91	4234687.9	2.23E-05	1.84E-05	4.06E-05	3.78E-06	2.94E-06	6.72E-06	1.80E-05	1.35E-05	3.14E-05	2.95E-06	2.61E-06	5.56E-06	2.20E-06	1.33E-06	3.53E-06
2068	563074.11	4234697.22	2.20E-05	1.81E-05	4.01E-05	3.73E-06	2.90E-06	6.63E-06	1.77E-05	1.33E-05	3.10E-05	2.91E-06	2.58E-06	5.48E-06	2.17E-06	1.32E-06	3.49E-06
2069	563073.32	4234706.54	2.17E-05	1.79E-05	3.96E-05	3.69E-06	2.87E-06	6.56E-06	1.75E-05	1.31E-05	3.07E-05	2.87E-06	2.55E-06	5.42E-06	2.15E-06	1.30E-06	3.45E-06
2070	563072.52	4234715.85	2.14E-05	1.76E-05	3.90E-05	3.63E-06	2.82E-06	6.45E-06	1.73E-05	1.29E-05	3.02E-05	2.83E-06	2.51E-06	5.33E-06	2.11E-06	1.28E-06	3.39E-06
2071	563071.72	4234725.17	2.10E-05	1.73E-05	3.83E-05	3.56E-06	2.77E-06	6.33E-06	1.69E-05	1.27E-05	2.96E-05	2.77E-06	2.46E-06	5.23E-06	2.07E-06	1.26E-06	3.33E-06
2072	563070.92	4234734.49	2.07E-05	1.70E-05	3.77E-05	3.51E-06	2.73E-06	6.23E-06	1.67E-05	1.25E-05	2.92E-05	2.73E-06	2.42E-06	5.15E-06	2.04E-06	1.24E-06	3.28E-06
2073	563070.13	4234743.81	2.04E-05	1.68E-05	3.71E-05	3.45E-06	2.69E-06	6.14E-06	1.64E-05	1.23E-05	2.87E-05	2.69E-06	2.38E-06	5.08E-06	2.01E-06	1.22E-06	3.23E-06
2074	563068.94	4234640.46	1.91E-05	1.57E-05	3.48E-05	3.24E-06	2.52E-06	5.76E-06	1.54E-05	1.15E-05	2.70E-05	2.52E-06	2.24E-06	4.76E-06	1.89E-06	1.14E-06	3.03E-06
2075	563068.14	4234649.78	1.96E-05	1.61E-05	3.57E-05	3.32E-06	2.58E-06	5.90E-06	1.58E-05	1.18E-05	2.76E-05	2.59E-06	2.29E-06	4.88E-06	1.93E-06	1.17E-06	3.10E-06
2076	563067.34	4234659.1	1.99E-05	1.64E-05	3.63E-05	3.37E-06	2.63E-06	6.00E-06	1.61E-05	1.20E-05	2.81E-05	2.63E-06	2.33E-06	4.96E-06	1.96E-06	1.19E-06	3.15E-06
2077	563066.54	4234668.41	2.00E-05	1.65E-05	3.65E-05	3.40E-06	2.65E-06	6.04E-06	1.62E-05	1.21E-05	2.83E-05	2.65E-06	2.35E-06	5.00E-06	1.98E-06	1.20E-06	3.18E-06
2078	563065.75	4234677.73	1.98E-05	1.63E-05	3.61E-05	3.36E-06	2.62E-06	5.98E-06	1.60E-05	1.20E-05	2.80E-05	2.62E-06	2.32E-06	4.94E-06	1.96E-06	1.19E-06	3.14E-06
2079	563064.95	4234687.05	1.95E-05	1.61E-05	3.56E-05	3.31E-06	2.58E-06	5.89E-06	1.58E-05	1.18E-05	2.76E-05	2.58E-06	2.29E-06	4.87E-06	1.93E-06	1.17E-06	3.10E-06
2080	563064.15	4234696.37	1.92E-05	1.58E-05	3.50E-05	3.25E-06	2.53E-06	5.78E-06	1.55E-05	1.16E-05	2.71E-05	2.53E-06	2.25E-06	4.78E-06	1.89E-06	1.15E-06	3.04E-06
2081	563063.35	4234705.68	1.87E-05	1.54E-05	3.42E-05	3.18E-06	2.48E-06	5.66E-06	1.51E-05	1.13E-05	2.65E-05	2.48E-06	2.20E-06	4.68E-06	1.85E-06	1.12E-06	2.97E-06
2082	563062.56	4234715	1.83E-05	1.51E-05	3.33E-05	3.10E-06	2.41E-06	5.52E-06	1.48E-05	1.10E-05	2.58E-05	2.42E-06	2.14E-06	4.56E-06	1.81E-06	1.09E-06	2.90E-06
2083	563061.76	4234724.32	1.78E-05	1.46E-05	3.24E-05	3.01E-06	2.35E-06	5.36E-06	1.43E-05	1.07E-05	2.51E-05	2.35E-06	2.08E-06	4.43E-06	1.75E-06	1.06E-06	2.82E-06
2084	563060.96	4234733.64	1.75E-05	1.44E-05	3.18E-05	2.96E-06	2.31E-06	5.27E-06	1.41E-05	1.06E-05	2.46E-05	2.31E-06	2.05E-06	4.35E-06	1.72E-06	1.04E-06	2.77E-06
2085	563060.16	4234742.95	1.72E-05	1.42E-05	3.14E-05	2.92E-06	2.27E-06	5.19E-06	1.39E-05	1.04E-05	2.43E-05	2.27E-06	2.01E-06	4.29E-06	1.70E-06	1.03E-06	2.73E-06
2086	563058.97	4234639.61	1.71E-05	1.41E-05	3.12E-05	2.90E-06	2.26E-06	5.16E-06	1.38E-05	1.03E-05	2.41E-05	2.26E-06	2.00E-06	4.26E-06	1.69E-06	1.02E-06	2.71E-06
2087	563058.17	4234648.93	1.74E-05	1.44E-05	3.18E-05	2.96E-06	2.30E-06	5.26E-06	1.41E-05	1.05E-05	2.46E-05	2.30E-06	2.04E-06	4.35E-06	1.72E-06	1.04E-06	2.76E-06
2088	563057.38	4234658.24	1.77E-05	1.45E-05	3.22E-05	3.00E-06	2.33E-06	5.33E-06	1.43E-05	1.07E-05	2.49E-05	2.34E-06	2.07E-06	4.40E-06	1.74E-06	1.06E-06	2.80E-06
2089	563056.58	4234667.56	1.78E-05	1.46E-05	3.24E-05	3.01E-06	2.35E-06	5.36E-06	1.43E-05	1.07E-05	2.51E-05	2.35E-06	2.08E-06	4.43E-06	1.75E-06	1.06E-06	2.82E-06
2090	563055.78	4234676.88	1.75E-05	1.44E-05	3.20E-05	2.97E-06	2.31E-06	5.29E-06	1.41E-05	1.06E-05	2.47E-05	2.32E-06	2.05E-06	4.37E-06	1.73E-06	1.05E-06	2.78E-06
2091	563054.98	4234686.2	1.72E-05	1.42E-05	3.14E-05	2.92E-06	2.27E-06	5.19E-06	1.39E-05	1.04E-05	2.43E-05	2.28E-06	2.02E-06	4.29E-06	1.70E-06	1.03E-06	2.73E-06
2092	563054.19	4234695.51	1.68E-05	1.39E-05	3.07E-05	2.86E-06	2.22E-06	5.08E-06	1.36E-05	1.02E-05	2.38E-05	2.23E-06	1.97E-06	4.20E-06	1.66E-06	1.01E-06	2.67E-06
2093	563053.39	4234704.83	1.64E-05	1.35E-05	2.99E-05	2.78E-06	2.17E-06	4.95E-06	1.32E-05	9.91E-06	2.32E-05	2.17E-06	1.92E-06	4.09E-06	1.62E-06	9.82E-07	2.60E-06
2094	563052.59	4234714.15	1.59E-05	1.31E-05	2.91E-05	2.70E-06	2.10E-06	4.81E-06	1.29E-05	9.63E-06	2.25E-05	2.11E-06	1.87E-06	3.97E-06	1.57E-06	9.53E-07	2.53E-06
2095	563051.79	4234723.47	1.54E-05	1.27E-05	2.81E-05	2.62E-06	2.04E-06	4.65E-06	1.24E-05	9.32E-06	2.18E-05	2.04E-06	1.81E-06	3.85E-06	1.52E-06	9.23E-07	2.45E-06
2096	563051	4234732.78	1.51E-05	1.24E-05	2.75E-05	2.56E-06	1.99E-06	4.55E-06	1.22E-05	9.11E-06	2.13E-05	1.99E-06	1.77E-06	3.76E-06	1.49E-06	9.02E-07	2.39E-06
2097	563050.2	4234742.1	1.48E-05	1.22E-05	2.70E-05	2.51E-06	1.95E-06	4.46E-06	1.19E-05	8.93E-06	2.09E-05	1.95E-06	1.73E-06	3.69E-06	1.46E-06	8.85E-07	2.34E-06
2098	563071.12	4234599.97	1.65E-05	1.36E-05	3.01E-05	2.80E-06	2.18E-06	4.98E-06	1.33E-05	9.98E-06	2.33E-05	2.18E-06	1.94E-06	4.12E-06	1.63E-06	9.88E-07	2.62E-06
2099	563049.01	4234638.76	1.53E-05	1.26E-05	2.79E-05	2.60E-06	2.02E-06	4.62E-06	1.24E-05	9.26E-06	2.16E-05	2.03E-06	1.80E-06	3.82E-06	1.51E-06	9.17E-07	2.43E-06
2100	563048.21	4234648.07	1.56E-05	1.28E-05	2.84E-05	2.64E-06	2.06E-06	4.70E-06	1.26E-05	9.41E-06	2.20E-05	2.06E-06	1.82E-06	3.88E-06	1.54E-06	9.32E-07	2.47E-06
2101	563047.41	4234657.39	1.57E-05	1.30E-05	2.87E-05	2.67E-06	2.08E-06	4.75E-06	1.27E-05	9.51E-06	2.22E-05	2.08E-06	1.84E-06	3.93E-06	1.55E-06	9.42E-07	2.50E-06
2102	563046.62	4234666.71	1.58E-05	1.30E-05	2.88E-05	2.68E-06	2.09E-06	4.77E-06	1.28E-05	9.55E-06	2.23E-05	2.09E-06	1.85E-06	3.94E-06	1.56E-06	9.46E-07	2.51E-06
2103	563045.82	4234676.03	1.56E-05	1.28E-05	2.84E-05	2.64E-06	2.05E-06	4.69E-06	1.26E-05	9.40E-06	2.20E-05	2.06E-06	1.82E-06	3.88E-06	1.54E-06	9.31E-07	2.47E-06
2104	563045.02	4234685.34	1.52E-05	1.25E-05	2.78E-05	2.58E-06	2.01E-06	4.60E-06	1.23E-05	9.20E-06	2.15E-05	2.01E-06	1.78E-06	3.80E-06	1.50E-06	9.12E-07	2.42E-06
2105	563044.22	4234694.66	1.49E-05	1.22E-05	2.71E-05	2.52E-06	1.96E-06	4.48E-06	1.20E-05	8.98E-06	2.10E-05	1.96E-06	1.74E-06	3.71E-06	1.47E-06	8.89E-07	2.36E-06
2106	563043.43	4234703.98	1.44E-05	1.19E-05	2.63E-05	2.45E-06	1.91E-06	4.36E-06	1.17E-05	8.73E-06	2.04E-05	1.91E-06	1.69E-06	3.60E-06	1.43E-06	8.64E-07	2.29E-06
2107	563042.63	4234713.3	1.40E-05	1.15E-05	2.55E-05	2.37E-06	1.85E-06	4.22E-06	1.13E-05	8.45E-06	1.97E-05	1.85E-06	1.64E-06	3.49E-06	1.38E-06	8.37E-07	2.22E-06
2108	563041.83	4234722.61	1.35E-05	1.11E-05	2.46E-05	2.29E-06	1.78E-06	4.07E-06	1.09E-05	8.16E-06	1.91E-05	1.79E-06	1.58E-06	3.37E-06	1.33E-06	8.08E-07	2.14E-06
2109	563041.03	4234731.93	1.31E-05	1.08E-05	2.40E-05	2.23E-06	1.74E-06	3.96E-06	1.06E-05	7.94E-06	1.85E-05	1.74E-06	1.54E-06	3.28E-06	1.30E-06	7.86E-07	2.08E-06
2110	563040.24	4234741.25	1.29E-05	1.06E-05	2.34E-05	2.18E-06	1.70E-06	3.88E-06	1.04E-05	7.77E-06	1.81E-05	1.70E-06	1.51E-06	3.21E-06	1.27E-06	7.69E-07	2.04E-06
2111	563064.66	4234592.33	1.52E-05	1.25E-05	2.77E-05	2.58E-06	2.01E-06	4.58E-06	1.23E-05	9.18E-06	2.14E-05	2.01E-06	1.78E-06	3.79E-06	1.50E-06	9.09E-07	2.41E-06
2112	563079.21	4234587.68	1.65E-05	1.36E-05	3.01E-05	2.80E-06	2.18E-06	4.98E-06	1.33E-05	9.97E-06	2.33E-05	2.18E-06	1.93E-06	4.11E-06	1.63E-06	9.87E-07	2.62E-06
2113	563039.04	4234637.9	1.38E-05	1.14E-05	2.51E-05	2.34E-06	1.82E-06	4.16E-06	1.11E-05	8.33E-06	1.95E-05	1.82E-06	1.61E-06	3.44E-06	1.36E-06	8.25E-07	2.19E-06
2114	563038.25	4234647.22	1.40E-05	1.15E-05	2.55E-05	2.37E-06	1.84E-06	4.21E-06	1.13E-05	8.44E-06	1.97E-05	1.85E-06	1.64E-06	3.48E-06	1.38E-06	8.35E-07	2.21E-06
2115	563037.45	4234656.54	1.41E-05	1.16E-05	2.57E-05	2.39E-06	1.86E-06	4.24E-06	1.14E-05	8.50E-06	1.99E-05	1.86E-06	1.65E-06	3.51E-06	1.39E-06	8.42E-07	2.23E-06
2116	563036.65	4234665.86	1.41E-05	1.16E-05	2.57E-05	2.39E-06	1.86E-06	4.26E-06	1.14E-05	8.52E-06	1.99E-05	1.87E-06	1.65E-06	3.52E-06	1.39E-06	8.44E-07	2.24E-06
2117	563035.85	4234675.17	1.39E-05	1.14E-05	2.53E-05	2.35E-06	1.83E-06	4.18E-06	1.12E-05	8.37E-06	1.96E-05	1.83E-06	1.62E-06	3.46E-06	1.37E-06	8.29E-07	2.20E-06
2118	563035.06	4234684.49	1.35E-05	1.12E-05	2.47E-05	2.30E-06	1.79E-06	4.09E-06	1.09E-05	8.19E-06	1.91E-05	1.79E-06	1.59E-06	3.38E-06	1.34E-06	8.11E-07	2.15E-06
2119	563034.26	4234693.81	1.32E-05	1.09E-05	2.40E-05	2.24E-06	1.74E-06	3.98E-06	1.06E-05	7.97E-06	1.86E-05	1.74E-06	1.54E-06	3.29E-06	1.30E-06	7.89E-07	2.09E-06
2120	563033.46	4234703.13	1.28E-05	1.05E-05	2.33E-05	2.17E-06	1.69E-06	3.86E-06	1.03E-05	7.73E-06	1.81E-05	1.69E-06	1.50E-06	3.19E-06	1.26E-06	7.65E-07	2.03E-06
2121	563032.66	4234712.44	1.24E-05	1.02E-05	2.25E-05	2.10E-06	1.63E-06	3.73E-06	9.98E-06	7.47E-06	1.75E-05	1.63E-06	1.45E-06	3.08E-06	1.22E-06	7.40E-07	1.96E-06
2122	563031.87	4234721.76	1.19E-05	9.82E-06	2.17E-05	2.02E-06	1.57E-06	3.60E-06	9.62E-06	7.20E-06	1.68E-05	1.58E-06	1.40E-06	2.97E-06	1.18E-06	7.13E-07	1.89E-06
2123	563031.07	4234731.08	1.16E-05	9.52E-06	2.11E-05	1.96E-06	1.53E-06	3.49E-06	9.33E-06	6.98E-06	1.63E-05	1.53E-06	1.35E-06	2.88E-06	1.14E-06	6.92E-07	1.83E-06
2124	563030.27	4234740.4	1.13E-05	9.28E-06	2.05E-05	1.91E-06	1.49E-06	3.40E-06	9.09E-06	6.81E-06	1.59E-05	1.49E-06	1.32E-06	2.81E-06	1.11E-06	6.74E-07	1.79E-06
2125	563046.72	4234595.17	1.33E-05	1.09E-05	2.42E-05	2.25E-06	1.75E-06	4.00E-06	1.07E-05	8.02E-06	1.87E-05	1.75E-06	1.55E-06	3.31E-06	1.31E-06	7.94E-07	2.10E-06
2126	563059.66	4234584.23	1.42E-05	1.17E-05	2.58E-05	2.40E-06	1.87E-06	4.28E-06	1.14E-05	8.56E-06	2.00E-05	1.87E-06	1.66E-06	3.53E-06	1.40E-06	8.48E-07	2.25E-06
2127	563068.39	4234581.43	1.49E-05	1.23E-05	2.72E-05	2.53E-06	1.97E-06	4.50E-06	1.20E-05	9.02E-06	2.11E-05	1.97E-06	1.75E-06	3.72E-06	1.47E-06	8.93E-07	2.37E-06
2128	563077.12	4234578.64	1.56E-05	1.28E-05	2.84E-05	2.64E-06	2.05E-06	4.69E-06	1.26E-05	9.40E-06	2.20E-05	2.06E-06	1.82E-06	3.88E-06	1.54E-06	9.31E-07	2.47E-06
2129	563085.85	4234575.85	1.60E-05	1.32E-05	2.92E-05	2.72E-06	2.11E-06	4.83E-06	1.29E-05	9.68E-06	2.26E-05	2.12E-06	1.88E-06	3.99E-06	1.58E-06	9.58E-07	2.54E-06
2130	563029.08	4234637.05	1.24E-05	1.02E-05	2.26E-05	2.11E-06	1.64E-06	3.75E-06	1.00E-05	7.50E-06	1.75E-05	1.64E-06	1.45E-06	3.10E-06	1.23E-06	7.43E-07	1.97E-06
2131	563028.28	4234646.37	1.25E-05	1.03E-05	2.29E-05	2.13E-06	1.66E-06	3.78E-06	1.01E-05	7.58E-06	1.77E-05	1.66E-06	1.47E-06	3.13E-06	1.24E-06	7.51E-07	1.99E-06
2132	563027.49	4234655.69	1.26E-05	1.04E-05	2.30E-05	2.14E-06	1.67E-06	3.80E-06	1.02E-05	7.62E-06	1.78E-05	1.67E-06	1.48E-06	3.14E-06	1.25E-06	7.55E-07	2.00E-06
2133	563026.69	4234665	1.26E-05	1.04E-05	2.30E-05	2.14E-06	1.67E-06	3.81E-06	1.02E-05	7.62E-06	1.78E-05	1.67E-06	1.48E-06	3.15E-06	1.25E-06	7.55E-07	2.00E-06
2134	563025.89	4234674.32	1.24E-05	1.02E-05	2.26E-05	2.10E-06	1.64E-06	3.74E-06	1.00E-05	7.49E-06	1.75E-05	1.64E-06	1.45E-06	3.09E-06	1.22E-06	7.42E-07	1.97E-06
2135	563025.09	4234683.64	1.21E-05	9.97E-06	2.21E-05	2.05E-06	1.60E-06	3.65E-06	9.77E-06	7.31E-06	1.71E-05	1.60E-06	1.42E-06	3.02E-06	1.19E-06	7.24E-07	1.92E-06

2136	563024.3	4234692.96	1.18E-05	9.69E-06	2.15E-05	2.00E-06	1.55E-06	3.55E-06	9.50E-06	7.11E-06	1.66E-05	1.56E-06	1.38E-06	2.93E-06	1.16E-06	7.04E-07	1.87E-06
2137	563023.5	4234702.27	1.14E-05	9.39E-06	2.08E-05	1.93E-06	1.51E-06	3.44E-06	9.20E-06	6.89E-06	1.61E-05	1.51E-06	1.34E-06	2.84E-06	1.13E-06	6.82E-07	1.81E-06
2138	563022.7	4234711.59	1.10E-05	9.07E-06	2.01E-05	1.87E-06	1.45E-06	3.32E-06	8.89E-06	6.66E-06	1.55E-05	1.46E-06	1.29E-06	2.75E-06	1.09E-06	6.59E-07	1.75E-06
2139	563021.9	4234720.91	1.06E-05	8.74E-06	1.94E-05	1.80E-06	1.40E-06	3.20E-06	8.57E-06	6.41E-06	1.50E-05	1.40E-06	1.24E-06	2.65E-06	1.05E-06	6.35E-07	1.68E-06
2140	563021.11	4234730.23	1.02E-05	8.44E-06	1.87E-05	1.74E-06	1.35E-06	3.09E-06	8.27E-06	6.19E-06	1.45E-05	1.36E-06	1.20E-06	2.56E-06	1.01E-06	6.13E-07	1.63E-06
2141	563020.31	4234739.54	9.93E-06	8.18E-06	1.81E-05	1.68E-06	1.31E-06	3.00E-06	8.02E-06	6.00E-06	1.40E-05	1.31E-06	1.16E-06	2.48E-06	9.80E-07	5.94E-07	1.57E-06
2142	563036.29	4234595.22	1.21E-05	1.00E-05	2.21E-05	2.06E-06	1.60E-06	3.66E-06	9.80E-06	7.34E-06	1.71E-05	1.61E-06	1.42E-06	3.03E-06	1.20E-06	7.27E-07	1.93E-06
2143	563052.96	4234576.67	1.31E-05	1.08E-05	2.39E-05	2.23E-06	1.73E-06	3.96E-06	1.06E-05	7.93E-06	1.85E-05	1.74E-06	1.54E-06	3.27E-06	1.30E-06	7.86E-07	2.08E-06
2144	563069.94	4234571.24	1.44E-05	1.19E-05	2.63E-05	2.44E-06	1.90E-06	4.35E-06	1.16E-05	8.71E-06	2.03E-05	1.91E-06	1.69E-06	3.59E-06	1.42E-06	8.62E-07	2.29E-06
2145	563019.12	4234636.2	1.12E-05	9.23E-06	2.04E-05	1.90E-06	1.48E-06	3.38E-06	9.05E-06	6.77E-06	1.58E-05	1.48E-06	1.31E-06	2.80E-06	1.11E-06	6.71E-07	1.78E-06
2146	563018.32	4234645.52	1.13E-05	9.31E-06	2.06E-05	1.92E-06	1.49E-06	3.41E-06	9.12E-06	6.83E-06	1.60E-05	1.49E-06	1.32E-06	2.82E-06	1.12E-06	6.76E-07	1.79E-06
2147	563017.52	4234654.83	1.13E-05	9.34E-06	2.07E-05	1.92E-06	1.50E-06	3.42E-06	9.16E-06	6.85E-06	1.60E-05	1.50E-06	1.33E-06	2.83E-06	1.12E-06	6.79E-07	1.80E-06
2148	563016.73	4234664.15	1.13E-05	9.33E-06	2.07E-05	1.92E-06	1.50E-06	3.42E-06	9.15E-06	6.85E-06	1.60E-05	1.50E-06	1.33E-06	2.83E-06	1.12E-06	6.78E-07	1.80E-06
2149	563015.93	4234673.47	1.11E-05	9.18E-06	2.03E-05	1.89E-06	1.47E-06	3.36E-06	8.99E-06	6.73E-06	1.57E-05	1.47E-06	1.31E-06	2.78E-06	1.10E-06	6.67E-07	1.77E-06
2150	563015.13	4234682.79	1.09E-05	8.95E-06	1.98E-05	1.84E-06	1.43E-06	3.28E-06	8.77E-06	6.57E-06	1.53E-05	1.44E-06	1.27E-06	2.71E-06	1.07E-06	6.50E-07	1.72E-06
2151	563014.33	4234692.1	1.06E-05	8.70E-06	1.93E-05	1.79E-06	1.39E-06	3.19E-06	8.52E-06	6.38E-06	1.49E-05	1.40E-06	1.24E-06	2.63E-06	1.04E-06	6.32E-07	1.67E-06
2152	563013.54	4234701.42	1.02E-05	8.43E-06	1.87E-05	1.74E-06	1.35E-06	3.09E-06	8.26E-06	6.18E-06	1.44E-05	1.35E-06	1.20E-06	2.55E-06	1.01E-06	6.12E-07	1.62E-06
2153	563012.74	4234710.74	9.88E-06	8.14E-06	1.80E-05	1.68E-06	1.31E-06	2.98E-06	7.98E-06	5.97E-06	1.40E-05	1.31E-06	1.16E-06	2.47E-06	9.76E-07	5.92E-07	1.57E-06
2154	563011.94	4234720.06	9.53E-06	7.85E-06	1.74E-05	1.62E-06	1.26E-06	2.87E-06	7.69E-06	5.76E-06	1.35E-05	1.26E-06	1.12E-06	2.38E-06	9.41E-07	5.70E-07	1.51E-06
2155	563011.14	4234729.37	9.18E-06	7.56E-06	1.67E-05	1.56E-06	1.21E-06	2.77E-06	7.41E-06	5.55E-06	1.30E-05	1.21E-06	1.08E-06	2.29E-06	9.07E-07	5.50E-07	1.46E-06
2156	563010.35	4234738.69	8.85E-06	7.29E-06	1.61E-05	1.50E-06	1.17E-06	2.67E-06	7.15E-06	5.35E-06	1.25E-05	1.17E-06	1.04E-06	2.21E-06	8.74E-07	5.30E-07	1.40E-06
2157	563030	4234587.26	1.13E-05	9.29E-06	2.06E-05	1.91E-06	1.49E-06	3.40E-06	9.10E-06	6.81E-06	1.59E-05	1.49E-06	1.32E-06	2.81E-06	1.11E-06	6.75E-07	1.79E-06
2158	563046.34	4234569.09	1.22E-05	1.01E-05	2.23E-05	2.07E-06	1.61E-06	3.68E-06	9.85E-06	7.38E-06	1.72E-05	1.61E-06	1.43E-06	3.04E-06	1.21E-06	7.31E-07	1.94E-06
2159	563062.96	4234563.76	1.34E-05	1.10E-05	2.44E-05	2.27E-06	1.77E-06	4.04E-06	1.08E-05	8.09E-06	1.89E-05	1.77E-06	1.57E-06	3.34E-06	1.32E-06	8.02E-07	2.12E-06
2160	563079.59	4234558.44	1.42E-05	1.17E-05	2.59E-05	2.41E-06	1.87E-06	4.28E-06	1.14E-05	8.57E-06	2.00E-05	1.87E-06	1.66E-06	3.54E-06	1.40E-06	8.49E-07	2.25E-06
2161	563009.15	4234635.35	1.02E-05	8.37E-06	1.85E-05	1.72E-06	1.34E-06	3.07E-06	8.21E-06	6.14E-06	1.43E-05	1.34E-06	1.19E-06	2.53E-06	1.00E-06	6.08E-07	1.61E-06
2162	563008.36	4234644.66	1.02E-05	8.42E-06	1.86E-05	1.73E-06	1.35E-06	3.08E-06	8.25E-06	6.17E-06	1.44E-05	1.35E-06	1.20E-06	2.55E-06	1.01E-06	6.12E-07	1.62E-06
2163	563007.56	4234653.98	1.02E-05	8.44E-06	1.87E-05	1.74E-06	1.35E-06	3.09E-06	8.27E-06	6.19E-06	1.45E-05	1.35E-06	1.20E-06	2.55E-06	1.01E-06	6.13E-07	1.62E-06
2164	563006.76	4234663.3	1.02E-05	8.42E-06	1.86E-05	1.73E-06	1.35E-06	3.08E-06	8.25E-06	6.18E-06	1.44E-05	1.35E-06	1.20E-06	2.55E-06	1.01E-06	6.12E-07	1.62E-06
2165	563005.96	4234672.62	1.01E-05	8.28E-06	1.83E-05	1.71E-06	1.33E-06	3.03E-06	8.12E-06	6.08E-06	1.42E-05	1.33E-06	1.18E-06	2.51E-06	9.93E-07	6.02E-07	1.59E-06
2166	563005.17	4234681.93	9.81E-06	8.08E-06	1.79E-05	1.66E-06	1.30E-06	2.96E-06	7.92E-06	5.93E-06	1.38E-05	1.30E-06	1.15E-06	2.45E-06	9.69E-07	5.87E-07	1.56E-06
2167	563004.37	4234691.25	9.53E-06	7.85E-06	1.74E-05	1.62E-06	1.26E-06	2.88E-06	7.70E-06	5.76E-06	1.35E-05	1.26E-06	1.12E-06	2.38E-06	9.42E-07	5.71E-07	1.51E-06
2168	563003.57	4234700.57	9.24E-06	7.61E-06	1.69E-05	1.57E-06	1.22E-06	2.79E-06	7.46E-06	5.58E-06	1.30E-05	1.22E-06	1.08E-06	2.31E-06	9.13E-07	5.53E-07	1.47E-06
2169	563002.77	4234709.89	8.94E-06	7.36E-06	1.63E-05	1.52E-06	1.18E-06	2.70E-06	7.22E-06	5.40E-06	1.26E-05	1.18E-06	1.05E-06	2.23E-06	8.83E-07	5.35E-07	1.42E-06
2170	563001.98	4234719.2	8.63E-06	7.11E-06	1.57E-05	1.46E-06	1.14E-06	2.60E-06	6.96E-06	5.21E-06	1.22E-05	1.14E-06	1.01E-06	2.15E-06	8.52E-07	5.16E-07	1.37E-06
2171	563001.18	4234728.52	8.31E-06	6.85E-06	1.52E-05	1.41E-06	1.10E-06	2.51E-06	6.71E-06	5.02E-06	1.17E-05	1.10E-06	9.74E-07	2.07E-06	8.21E-07	4.97E-07	1.32E-06
2172	563000.38	4234737.84	8.00E-06	6.59E-06	1.46E-05	1.36E-06	1.06E-06	2.41E-06	6.46E-06	4.83E-06	1.13E-05	1.06E-06	9.37E-07	1.99E-06	7.90E-07	4.79E-07	1.27E-06
2173	563019.72	4234587.01	1.03E-05	8.52E-06	1.89E-05	1.75E-06	1.37E-06	3.12E-06	8.35E-06	6.25E-06	1.46E-05	1.37E-06	1.21E-06	2.58E-06	1.02E-06	6.19E-07	1.64E-06
2174	563027.62	4234571.74	1.06E-05	8.77E-06	1.94E-05	1.81E-06	1.41E-06	3.21E-06	8.60E-06	6.43E-06	1.50E-05	1.41E-06	1.25E-06	2.66E-06	1.05E-06	6.37E-07	1.69E-06
2175	563039.75	4234561.49	1.14E-05	9.38E-06	2.08E-05	1.93E-06	1.50E-06	3.44E-06	9.19E-06	6.88E-06	1.61E-05	1.51E-06	1.33E-06	2.84E-06	1.12E-06	6.81E-07	1.81E-06
2176	563056.12	4234556.25	1.25E-05	1.03E-05	2.28E-05	2.12E-06	1.65E-06	3.77E-06	1.01E-05	7.55E-06	1.76E-05	1.65E-06	1.46E-06	3.12E-06	1.23E-06	7.48E-07	1.98E-06
2177	563072.49	4234551.01	1.33E-05	1.09E-05	2.42E-05	2.25E-06	1.75E-06	4.01E-06	1.07E-05	8.03E-06	1.88E-05	1.76E-06	1.56E-06	3.31E-06	1.31E-06	7.95E-07	2.11E-06
2178	562999.19	4234634.49	9.24E-06	7.62E-06	1.69E-05	1.57E-06	1.22E-06	2.79E-06	7.46E-06	5.59E-06	1.31E-05	1.22E-06	1.08E-06	2.31E-06	9.13E-07	5.53E-07	1.47E-06
2179	562998.39	4234643.81	9.25E-06	7.62E-06	1.69E-05	1.57E-06	1.22E-06	2.79E-06	7.47E-06	5.59E-06	1.31E-05	1.22E-06	1.08E-06	2.31E-06	9.14E-07	5.54E-07	1.47E-06
2180	562997.6	4234653.13	9.24E-06	7.61E-06	1.68E-05	1.57E-06	1.22E-06	2.79E-06	7.46E-06	5.58E-06	1.30E-05	1.22E-06	1.08E-06	2.30E-06	9.12E-07	5.53E-07	1.47E-06
2181	562996.8	4234662.44	9.17E-06	7.56E-06	1.67E-05	1.56E-06	1.21E-06	2.77E-06	7.41E-06	5.54E-06	1.29E-05	1.21E-06	1.07E-06	2.29E-06	9.06E-07	5.49E-07	1.45E-06
2182	562996	4234671.76	9.03E-06	7.44E-06	1.65E-05	1.53E-06	1.19E-06	2.73E-06	7.29E-06	5.46E-06	1.28E-05	1.19E-06	1.06E-06	2.25E-06	8.92E-07	5.41E-07	1.43E-06
2183	562995.2	4234681.08	8.84E-06	7.29E-06	1.61E-05	1.50E-06	1.17E-06	2.67E-06	7.14E-06	5.34E-06	1.25E-05	1.17E-06	1.04E-06	2.21E-06	8.73E-07	5.29E-07	1.40E-06
2184	562994.41	4234690.4	8.64E-06	7.12E-06	1.58E-05	1.47E-06	1.14E-06	2.61E-06	6.97E-06	5.22E-06	1.22E-05	1.14E-06	1.01E-06	2.15E-06	8.53E-07	5.17E-07	1.37E-06
2185	562993.61	4234699.71	8.41E-06	6.93E-06	1.53E-05	1.43E-06	1.11E-06	2.54E-06	6.79E-06	5.08E-06	1.19E-05	1.11E-06	9.85E-07	2.10E-06	8.30E-07	5.03E-07	1.33E-06
2186	562992.81	4234709.03	8.14E-06	6.71E-06	1.48E-05	1.38E-06	1.08E-06	2.46E-06	6.57E-06	4.92E-06	1.15E-05	1.08E-06	9.54E-07	2.03E-06	8.04E-07	4.87E-07	1.29E-06
2187	562992.01	4234718.35	7.87E-06	6.48E-06	1.44E-05	1.34E-06	1.04E-06	2.37E-06	6.35E-06	4.76E-06	1.11E-05	1.04E-06	9.22E-07	1.96E-06	7.77E-07	4.71E-07	1.25E-06
2188	562991.22	4234727.67	7.60E-06	6.26E-06	1.39E-05	1.29E-06	1.00E-06	2.29E-06	6.13E-06	4.59E-06	1.07E-05	1.00E-06	8.90E-07	1.89E-06	7.50E-07	4.55E-07	1.20E-06
2189	562990.42	4234736.98	7.32E-06	6.03E-06	1.34E-05	1.24E-06	9.67E-07	2.21E-06	5.91E-06	4.43E-06	1.03E-05	9.68E-07	8.58E-07	1.83E-06	7.23E-07	4.38E-07	1.16E-06
2190	563009.52	4234586.63	9.49E-06	7.81E-06	1.73E-05	1.61E-06	1.25E-06	2.86E-06	7.66E-06	5.73E-06	1.34E-05	1.25E-06	1.11E-06	2.37E-06	9.37E-07	5.68E-07	1.50E-06
2191	563017.32	4234571.55	9.80E-06	8.08E-06	1.79E-05	1.66E-06	1.29E-06	2.96E-06	7.91E-06	5.92E-06	1.38E-05	1.30E-06	1.15E-06	2.44E-06	9.68E-07	5.87E-07	1.55E-06
2192	563033.2	4234553.88	1.07E-05	8.78E-06	1.94E-05	1.81E-06	1.41E-06	3.21E-06	8.60E-06	6.44E-06	1.50E-05	1.41E-06	1.25E-06	2.66E-06	1.05E-06	6.38E-07	1.69E-06
2193	563049.36	4234548.71	1.17E-05	9.63E-06	2.13E-05	1.98E-06	1.54E-06	3.53E-06	9.44E-06	7.07E-06	1.65E-05	1.55E-06	1.37E-06	2.92E-06	1.15E-06	7.00E-07	1.85E-06
2194	563065.53	4234543.54	1.25E-05	1.03E-05	2.28E-05	2.12E-06	1.65E-06	3.76E-06	1.01E-05	7.54E-06	1.76E-05	1.65E-06	1.46E-06	3.11E-06	1.23E-06	7.47E-07	1.98E-06
2195	563081.7	4234538.36	1.28E-05	1.05E-05	2.33E-05	2.17E-06	1.69E-06	3.86E-06	1.03E-05	7.73E-06	1.81E-05	1.69E-06	1.50E-06	3.19E-06	1.26E-06	7.66E-07	2.03E-06
2196	562989.23	4234633.64	8.44E-06	6.95E-06	1.54E-05	1.43E-06	1.11E-06	2.55E-06	6.81E-06	5.10E-06	1.19E-05	1.12E-06	9.89E-07	2.11E-06	8.33E-07	5.05E-07	1.34E-06
2197	562988.43	4234642.96	8.41E-06	6.93E-06	1.53E-05	1.43E-06	1.11E-06	2.54E-06	6.79E-06	5.08E-06	1.19E-05	1.11E-06	9.85E-07	2.10E-06	8.30E-07	5.03E-07	1.33E-06
2198	562987.63	4234652.27	8.35E-06	6.88E-06	1.52E-05	1.42E-06	1.10E-06	2.52E-06	6.74E-06	5.05E-06	1.18E-05	1.10E-06	9.79E-07	2.08E-06	8.25E-07	5.00E-07	1.32E-06
2199	562986.83	4234661.59	8.25E-06	6.80E-06	1.51E-05	1.40E-06	1.09E-06	2.49E-06	6.66E-06	4.99E-06	1.17E-05	1.09E-06	9.67E-07	2.06E-06	8.15E-07	4.94E-07	1.31E-06
2200	562986.04	4234670.91	8.13E-06	6.70E-06	1.48E-05	1.38E-06	1.07E-06	2.45E-06	6.57E-06	4.92E-06	1.15E-05	1.08E-06	9.53E-07	2.03E-06	8.03E-07	4.87E-07	1.29E-06
2201	562985.24	4234680.23	8.00E-06	6.59E-06	1.46E-05	1.36E-06	1.06E-06	2.42E-06	6.46E-06	4.84E-06	1.13E-05	1.06E-06	9.38E-07	2.00E-06	7.91E-07	4.79E-07	1.27E-06
2202	562984.44	4234689.54	7.87E-06	6.48E-06	1.43E-05	1.33E-06	1.04E-06	2.37E-06	6.35E-06	4.75E-06	1.11E-05	1.04E-06	9.22E-07	1.96E-06	7.77E-07	4.71E-07	1.25E-06
2203	562983.64	4234698.86	7.70E-06	6.34E-06	1.40E-05	1.31E-06	1.02E-06	2.32E-06	6.21E-06	4.65E-06	1.09E-05	1.02E-06	9.02E-07	1.92E-06	7.60E-07	4.61E-07	1.22E-06
2204	562982.85	4234708.18	7.47E-06	6.15E-06	1.36E-05	1.27E-06	9.86E-07	2.25E-06	6.03E-06	4.51E-06	1.05E-05	9.87E-07	8.75E-07	1.86E-06	7.37E-07	4.47E-07	1.18E-06
2205	562982.05	4234717.5	7.23E-06	5.96E-06	1.32E-05	1.23E-06	9.55E-07	2.18E-06	5.84E-06	4.37E-06	1.02E-05	9.56E-07	8.47E-07	1.80E-06	7.14E-07	4.33E-07	1.15E-06
2206	562981.25	4234726.81	6.99E-06	5.76E-06	1.28E-05	1.19E-06	9.23E-07	2.11E-06	5.65E-06	4.23E-06	9.87E-06	9.25E-07	8.19E-07	1.74E-06	6.90E-07	4.18E-07	1.11E-06
2207	562980.45	4234736.13	6.75E-06	5.56E-06	1.23E-05	1.15E-06	8.92E-07	2.04E-06	5.45E-06	4.08E-06	9.53E-06	8.93E-07	7.91E-07	1.68E-06	6.67E-07	4.04E-07	1.07E-06
2208	562991.15	4234581.91	8.08E-06	6.66E-06	1.47E-05	1.37E-06	1.07E-06	2.44E-06	6.53E-06	4.88E-06	1.14E-05	1.07E-06	9.47E-07	2.02E-06	7.98E-07	4.84E-07	1.28E-06
2209	562995.36	4234573.76	8.24E-06	6.79E-06	1.50E-05	1.40E-06	1.09E-06	2.49E-06	6.66E-06	4.98E-06	1.16E-05	1.09E-06	9.66E-07	2.06E-06	8.14E-07	4.93E-07	1.31E-06
2210	562999.57	4234565.62	8.41E-06	6.93E-06	1.53E-05	1.43E-06	1.11E-06	2.54E-06	6.79E-06	5.08E-06	1.19E-05	1.11E-06	9.86E-07	2.10E-06	8.31E-07	5.03E-07	1.33E-06
2211	563003.78	4234557.48	8.58E-06	7.07E-06	1.56E-05	1.46E-06	1.13E-06	2.59E-06	6.93E-06	5.18E-06	1.21E-05	1.13E-06	1.01E-06	2.14E-06	8.47E-07	5.13E-07	1.36E-06
2212	563007.99	4234549.34	8.75E-06	7.21E-06	1.60E-05	1.48E-06	1.16E-06	2.64E-06	7.06E-06	5.29E-06	1.23E-05	1.16E-06	1.03E-06	2.18E-06	8.64E-07	5.24E-07	1.39E-06
2213	563020.93	4234538.4	9.44E-06	7.78E-06	1.72E-05	1.60E-06	1.25E-06	2.85E-06	7.62E-06	5.70E-06	1.33E-05	1.25E-06	1.11E-06	2.35E-06	9.32E-07	5.65E-07	1.50E-06
2214	563029.66	4234535.61	9.96E-06	8.20E-06	1.82E-05	1.69E-06	1.31E-06	3.00E-06	8.04E-06	6.02E-06	1.41E-05	1.32E-06	1.17E-06	2.48E-06	9.83E-07	5.96E-07	1.58E-06
2215	563038.39	4234532.81	1.04E-05	8.60E-06	1.90E-05	1.77E-06	1.38E-06	3.15E-06	8.43E-06	6.31E-06	1.47E-05	1.38E-06	1.22E-06	2.60E-06	1.03E-06	6.25E-07	1.66E-06
2216	563047.12	4234530.02	1.09E-05	8.95E-06	1.98E-05	1.84E-06	1.43E-06	3.28E-06	8.77E-06	6.56E-06	1.53E-05	1.44E-06	1.27E-06	2.71E-06	1.07E-06	6.50E-07	1.72E-06
2217	563055.85	4234527.23	1.12E-05	9.23E-06	2.04E-05	1.90E-06	1.48E-06	3.38E-06	9.04E-06	6.77E-06	1.58E-05	1.48E-06	1.31E-06	2.79E-06	1.11E-06	6.70E-07	1.78E-06
2218	563064.58	4234524.43	1.14E-05	9.42E-06	2.08E-05	1.94E-06	1.51E-06	3.45E-06	9.23E-06	6.91E-06	1.61E-05	1.51E-06	1.34E-06	2.85E-06	1.13E-06	6.84E-07	1.81E-06
2219	563073.31	4234521.64	1.15E-05	9.50E-06	2.10E-05	1.96E-06	1.52E-06	3.48E-06	9.31E-06	6.97E-06	1.63E-05	1.52E-06	1.35E-06	2.88E-06	1.14E-06	6.90E-07	1.83E-06
2220	563082.04	4234518.84	1.15E-05	9.47E-06	2.10E-05	1.95E-06	1.52E-06	3.47E-06	9.28E-06	6.95E-06	1.62E-05	1.52E-06	1.35E-06	2.87E-06	1.13E-06	6.88E-07	1.82E-06
2221	563090.77	4234516.05	1.13E-05	9.33E-06	2.06E-05	1.92E-06	1.50E-06	3.42E-06	9.14E-06	6.84E-06	1.60E-05	1.50E-06	1.33E-06	2.82E-06	1.12E-06	6.78E-07	1.80E-06
2222	562969.3	4234631.93	7.11E-06	5.86E-06	1.30E-05	1.21E-06	9.40E-07	2.15E-06	5.74E-06	4.30E-06	1.00E-05	9.41E-07	8.34E-07	1.77E-06	7.03E-07	4.26E-07	1.13E-06
2223	562968.5	4234641.25	7.06E-06	5.81E-06	1.29E-05	1.20E-06	9.32E-07	2.13E-06	5.70E-06	4.26E-06	9.96E-06	9.33E-07	8.27E-07	1.76E-06	6.97E-07	4.22E-07	1.12E-06
2224	562967.7	4234650.57	6.97E-06	5.74E-06	1.27E-05	1.18E-06	9.21E-07	2.10E-06	5.63E-06	4.21E-06	9.84E-06	9.22E-07	8.17E-07	1.74E-06	6.89E-07	4.17E-07	1.11E-06
2225	562966.91	4234659.89	6.87E-06	5.66E-06	1.25E-05	1.17E-06	9.07E-07	2.07E-06	5.54E-06	4.15E-06	9.69E-06	9.08E-07	8.05E-07	1.71E-06	6.78E-07	4.11E-07	1.09E-06
2226	562966.11	4234669.2	6.76E-06	5.57E-06	1.23E-05	1.15E-06	8.93E-07	2.04E-06	5.46E-06	4.09E-06	9.54E-06	8.94E-07	7.92E-07	1.69E-06	6.68E-07	4.05E-07	1.07E-06
2227	562965.31	4234678.52	6.68E-06	5.51E-06	1.22E-05	1.13E-06	8.83E-07	2.02E-06	5.40E-06	4.04E-06	9.43E-06	8.84E-07	7.83E-07	1.67E-06	6.60E-07	4.00E-07	1.06E-06
2228	562964.51	4234687.84	6.59E-06	5.43E-06	1.20E-05	1.12E-06	8.70E-07	1.99E-06	5.32E-06	3.98E-06	9.30E-06	8.71E-07	7.72E-07	1.64E-06	6.50E-07	3.94E-07	1.04E-06

2229	562963.72	4234697.16	6.47E-06	5.33E-06	1.18E-05	1.10E-06	8.55E-07	1.95E-06	5.22E-06	3.91E-06	9.14E-06	8.56E-07	7.58E-07	1.61E-06	6.39E-07	3.87E-07	1.03E-06
2230	562962.92	4234706.47	6.29E-06	5.18E-06	1.15E-05	1.07E-06	8.31E-07	1.90E-06	5.08E-06	3.80E-06	8.88E-06	8.32E-07	7.37E-07	1.57E-06	6.21E-07	3.76E-07	9.98E-07
2231	562962.12	4234715.79	6.11E-06	5.03E-06	1.11E-05	1.04E-06	8.07E-07	1.84E-06	4.93E-06	3.69E-06	8.62E-06	8.08E-07	7.16E-07	1.52E-06	6.03E-07	3.66E-07	9.69E-07
2232	562961.32	4234725.11	5.92E-06	4.88E-06	1.08E-05	1.00E-06	7.82E-07	1.79E-06	4.78E-06	3.58E-06	8.36E-06	7.83E-07	6.94E-07	1.48E-06	5.84E-07	3.54E-07	9.39E-07
2233	562960.53	4234734.43	5.73E-06	4.72E-06	1.04E-05	9.72E-07	7.56E-07	1.73E-06	4.62E-06	3.46E-06	8.09E-06	7.57E-07	6.71E-07	1.43E-06	5.66E-07	3.43E-07	9.08E-07
2234	562966.54	4234589.25	6.72E-06	5.54E-06	1.23E-05	1.14E-06	8.88E-07	2.03E-06	5.43E-06	4.06E-06	9.49E-06	8.89E-07	7.88E-07	1.68E-06	6.64E-07	4.02E-07	1.07E-06
2235	563007.78	4234523.2	8.38E-06	6.91E-06	1.53E-05	1.42E-06	1.11E-06	2.53E-06	6.77E-06	5.07E-06	1.18E-05	1.11E-06	9.83E-07	2.09E-06	8.28E-07	5.02E-07	1.33E-06
2236	563024.76	4234517.77	9.27E-06	7.63E-06	1.69E-05	1.57E-06	1.22E-06	2.80E-06	7.48E-06	5.60E-06	1.31E-05	1.23E-06	1.09E-06	2.31E-06	9.15E-07	5.55E-07	1.47E-06
2237	563033.24	4234515.05	9.65E-06	7.95E-06	1.76E-05	1.64E-06	1.28E-06	2.91E-06	7.80E-06	5.83E-06	1.36E-05	1.28E-06	1.13E-06	2.41E-06	9.53E-07	5.78E-07	1.53E-06
2238	563050.22	4234509.62	1.02E-05	8.44E-06	1.87E-05	1.74E-06	1.35E-06	3.09E-06	8.27E-06	6.19E-06	1.45E-05	1.35E-06	1.20E-06	2.55E-06	1.01E-06	6.13E-07	1.62E-06
2239	563067.19	4234504.19	1.05E-05	8.63E-06	1.91E-05	1.78E-06	1.38E-06	3.16E-06	8.45E-06	6.33E-06	1.48E-05	1.38E-06	1.23E-06	2.61E-06	1.03E-06	6.27E-07	1.66E-06
2240	563084.17	4234498.75	1.03E-05	8.46E-06	1.87E-05	1.74E-06	1.36E-06	3.10E-06	8.29E-06	6.21E-06	1.45E-05	1.36E-06	1.20E-06	2.56E-06	1.01E-06	6.15E-07	1.63E-06
2241	562949.37	4234630.23	6.10E-06	5.02E-06	1.11E-05	1.03E-06	8.05E-07	1.84E-06	4.92E-06	3.68E-06	8.61E-06	8.06E-07	7.14E-07	1.52E-06	6.02E-07	3.65E-07	9.67E-07
2242	562948.58	4234639.55	6.06E-06	4.99E-06	1.10E-05	1.03E-06	8.00E-07	1.83E-06	4.89E-06	3.66E-06	8.55E-06	8.01E-07	7.10E-07	1.51E-06	5.98E-07	3.62E-07	9.61E-07
2243	562947.78	4234648.86	6.00E-06	4.94E-06	1.09E-05	1.02E-06	7.92E-07	1.81E-06	4.84E-06	3.62E-06	8.46E-06	7.93E-07	7.03E-07	1.50E-06	5.92E-07	3.59E-07	9.51E-07
2244	562946.98	4234658.18	5.92E-06	4.88E-06	1.08E-05	1.00E-06	7.82E-07	1.79E-06	4.78E-06	3.58E-06	8.35E-06	7.83E-07	6.93E-07	1.48E-06	5.84E-07	3.54E-07	9.39E-07
2245	562946.18	4234667.5	5.83E-06	4.80E-06	1.06E-05	9.88E-07	7.69E-07	1.76E-06	4.70E-06	3.52E-06	8.22E-06	7.70E-07	6.83E-07	1.45E-06	5.75E-07	3.49E-07	9.24E-07
2246	562945.39	4234676.82	5.73E-06	4.72E-06	1.04E-05	9.72E-07	7.56E-07	1.73E-06	4.62E-06	3.46E-06	8.08E-06	7.57E-07	6.71E-07	1.43E-06	5.66E-07	3.43E-07	9.08E-07
2247	562944.59	4234686.13	5.61E-06	4.62E-06	1.02E-05	9.52E-07	7.41E-07	1.69E-06	4.53E-06	3.39E-06	7.92E-06	7.42E-07	6.58E-07	1.40E-06	5.54E-07	3.36E-07	8.90E-07
2248	562943.79	4234695.45	5.49E-06	4.52E-06	1.00E-05	9.31E-07	7.24E-07	1.66E-06	4.43E-06	3.31E-06	7.74E-06	7.25E-07	6.43E-07	1.37E-06	5.42E-07	3.28E-07	8.70E-07
2249	562942.99	4234704.77	5.36E-06	4.41E-06	9.77E-06	9.09E-07	7.07E-07	1.62E-06	4.32E-06	3.24E-06	7.56E-06	7.08E-07	6.28E-07	1.34E-06	5.29E-07	3.21E-07	8.50E-07
2250	562942.2	4234714.09	5.22E-06	4.30E-06	9.52E-06	8.86E-07	6.90E-07	1.58E-06	4.22E-06	3.16E-06	7.37E-06	6.91E-07	6.12E-07	1.30E-06	5.16E-07	3.13E-07	8.28E-07
2251	562941.4	4234723.4	5.08E-06	4.19E-06	9.27E-06	8.62E-07	6.71E-07	1.53E-06	4.10E-06	3.07E-06	7.17E-06	6.72E-07	5.95E-07	1.27E-06	5.02E-07	3.04E-07	8.06E-07
2252	562940.6	4234732.72	4.93E-06	4.06E-06	9.00E-06	8.37E-07	6.52E-07	1.49E-06	3.98E-06	2.98E-06	6.96E-06	6.52E-07	5.78E-07	1.23E-06	4.87E-07	2.95E-07	7.82E-07
2253	562950.29	4234580.43	5.88E-06	4.85E-06	1.07E-05	9.98E-07	7.77E-07	1.78E-06	4.75E-06	3.56E-06	8.30E-06	7.78E-07	6.89E-07	1.47E-06	5.81E-07	3.52E-07	9.33E-07
2254	562958.31	4234564.93	6.10E-06	5.03E-06	1.11E-05	1.04E-06	8.06E-07	1.84E-06	4.93E-06	3.69E-06	8.62E-06	8.07E-07	7.15E-07	1.52E-06	6.03E-07	3.65E-07	9.68E-07
2255	562966.33	4234549.42	6.35E-06	5.23E-06	1.16E-05	1.08E-06	8.39E-07	1.92E-06	5.13E-06	3.84E-06	8.97E-06	8.40E-07	7.45E-07	1.58E-06	6.28E-07	3.80E-07	1.01E-06
2256	562994.7	4234507.98	7.50E-06	6.18E-06	1.37E-05	1.27E-06	9.91E-07	2.26E-06	6.06E-06	4.53E-06	1.06E-05	9.92E-07	8.79E-07	1.87E-06	7.41E-07	4.49E-07	1.19E-06
2257	563011.33	4234502.66	8.28E-06	6.82E-06	1.51E-05	1.41E-06	1.09E-06	2.50E-06	6.69E-06	5.01E-06	1.17E-05	1.10E-06	9.71E-07	2.07E-06	8.18E-07	4.96E-07	1.31E-06
2258	563027.96	4234497.34	8.96E-06	7.38E-06	1.63E-05	1.52E-06	1.18E-06	2.70E-06	7.23E-06	5.41E-06	1.26E-05	1.18E-06	1.05E-06	2.23E-06	8.84E-07	5.36E-07	1.42E-06
2259	563044.58	4234492.02	9.41E-06	7.76E-06	1.72E-05	1.60E-06	1.24E-06	2.84E-06	7.60E-06	5.69E-06	1.33E-05	1.24E-06	1.10E-06	2.35E-06	9.30E-07	5.63E-07	1.49E-06
2260	563061.21	4234486.69	9.56E-06	7.88E-06	1.74E-05	1.62E-06	1.26E-06	2.89E-06	7.72E-06	5.78E-06	1.35E-05	1.26E-06	1.12E-06	2.39E-06	9.45E-07	5.72E-07	1.52E-06
2261	563077.84	4234481.37	9.34E-06	7.70E-06	1.70E-05	1.59E-06	1.23E-06	2.82E-06	7.54E-06	5.65E-06	1.32E-05	1.24E-06	1.09E-06	2.33E-06	9.23E-07	5.59E-07	1.48E-06
2262	562929.45	4234628.52	5.31E-06	4.38E-06	9.69E-06	9.01E-07	7.01E-07	1.60E-06	4.29E-06	3.21E-06	7.50E-06	7.02E-07	6.22E-07	1.32E-06	5.24E-07	3.18E-07	8.42E-07
2263	562928.65	4234637.84	5.29E-06	4.35E-06	9.64E-06	8.97E-07	6.98E-07	1.59E-06	4.27E-06	3.19E-06	7.46E-06	6.99E-07	6.19E-07	1.32E-06	5.22E-07	3.16E-07	8.38E-07
2264	562927.85	4234647.16	5.24E-06	4.32E-06	9.57E-06	8.90E-07	6.93E-07	1.58E-06	4.23E-06	3.17E-06	7.40E-06	6.94E-07	6.15E-07	1.31E-06	5.18E-07	3.14E-07	8.32E-07
2265	562927.05	4234656.48	5.19E-06	4.28E-06	9.47E-06	8.81E-07	6.86E-07	1.57E-06	4.19E-06	3.14E-06	7.33E-06	6.86E-07	6.08E-07	1.29E-06	5.13E-07	3.11E-07	8.23E-07
2266	562926.26	4234665.79	5.12E-06	4.22E-06	9.35E-06	8.70E-07	6.77E-07	1.55E-06	4.14E-06	3.10E-06	7.24E-06	6.78E-07	6.01E-07	1.28E-06	5.06E-07	3.07E-07	8.13E-07
2267	562925.46	4234675.11	5.05E-06	4.16E-06	9.21E-06	8.57E-07	6.67E-07	1.52E-06	4.08E-06	3.05E-06	7.13E-06	6.68E-07	5.92E-07	1.26E-06	4.99E-07	3.02E-07	8.01E-07
2268	562924.66	4234684.43	4.96E-06	4.09E-06	9.05E-06	8.42E-07	6.55E-07	1.50E-06	4.01E-06	3.00E-06	7.01E-06	6.56E-07	5.81E-07	1.24E-06	4.90E-07	2.97E-07	7.87E-07
2269	562923.86	4234693.75	4.87E-06	4.01E-06	8.88E-06	8.26E-07	6.43E-07	1.47E-06	3.93E-06	2.94E-06	6.87E-06	6.44E-07	5.70E-07	1.21E-06	4.81E-07	2.91E-07	7.72E-07
2270	562923.07	4234703.06	4.77E-06	3.93E-06	8.69E-06	8.09E-07	6.30E-07	1.44E-06	3.85E-06	2.88E-06	6.73E-06	6.30E-07	5.59E-07	1.19E-06	4.71E-07	2.85E-07	7.56E-07
2271	562922.27	4234712.38	4.66E-06	3.84E-06	8.49E-06	7.90E-07	6.15E-07	1.41E-06	3.76E-06	2.81E-06	6.58E-06	6.16E-07	5.46E-07	1.16E-06	4.60E-07	2.79E-07	7.39E-07
2272	562921.47	4234721.7	4.54E-06	3.74E-06	8.28E-06	7.70E-07	6.00E-07	1.37E-06	3.67E-06	2.74E-06	6.41E-06	6.00E-07	5.32E-07	1.13E-06	4.48E-07	2.72E-07	7.20E-07
2273	562920.67	4234731.02	4.41E-06	3.63E-06	8.05E-06	7.49E-07	5.83E-07	1.33E-06	3.56E-06	2.67E-06	6.23E-06	5.83E-07	5.17E-07	1.10E-06	4.36E-07	2.64E-07	7.00E-07
2274	562914.53	4234609.36	4.79E-06	3.94E-06	8.73E-06	8.12E-07	6.32E-07	1.44E-06	3.86E-06	2.89E-06	6.76E-06	6.33E-07	5.61E-07	1.19E-06	4.73E-07	2.86E-07	7.59E-07
2275	562918.74	4234601.22	4.87E-06	4.02E-06	8.89E-06	8.27E-07	6.44E-07	1.47E-06	3.94E-06	2.95E-06	6.88E-06	6.45E-07	5.71E-07	1.22E-06	4.81E-07	2.92E-07	7.73E-07
2276	562922.95	4234593.07	4.96E-06	4.09E-06	9.05E-06	8.42E-07	6.55E-07	1.50E-06	4.01E-06	3.00E-06	7.00E-06	6.56E-07	5.81E-07	1.24E-06	4.90E-07	2.97E-07	7.87E-07
2277	562927.16	4234584.93	5.05E-06	4.16E-06	9.20E-06	8.56E-07	6.67E-07	1.52E-06	4.07E-06	3.05E-06	7.12E-06	6.67E-07	5.91E-07	1.26E-06	4.98E-07	3.02E-07	8.00E-07
2278	562931.37	4234576.79	5.13E-06	4.23E-06	9.36E-06	8.71E-07	6.78E-07	1.55E-06	4.14E-06	3.10E-06	7.25E-06	6.79E-07	6.01E-07	1.28E-06	5.07E-07	3.07E-07	8.14E-07
2279	562935.58	4234568.65	5.22E-06	4.30E-06	9.52E-06	8.86E-07	6.90E-07	1.58E-06	4.22E-06	3.16E-06	7.37E-06	6.91E-07	6.12E-07	1.30E-06	5.16E-07	3.13E-07	8.28E-07
2280	562939.79	4234560.51	5.32E-06	4.38E-06	9.69E-06	9.02E-07	7.02E-07	1.60E-06	4.29E-06	3.21E-06	7.50E-06	7.03E-07	6.23E-07	1.33E-06	5.25E-07	3.18E-07	8.43E-07
2281	562944	4234552.36	5.42E-06	4.46E-06	9.88E-06	9.19E-07	7.15E-07	1.63E-06	4.37E-06	3.27E-06	7.65E-06	7.16E-07	6.35E-07	1.35E-06	5.35E-07	3.24E-07	8.59E-07
2282	562948.21	4234544.22	5.53E-06	4.56E-06	1.01E-05	9.38E-07	7.30E-07	1.67E-06	4.46E-06	3.34E-06	7.81E-06	7.31E-07	6.48E-07	1.38E-06	5.46E-07	3.31E-07	8.77E-07
2283	562952.42	4234536.08	5.65E-06	4.66E-06	1.03E-05	9.59E-07	7.47E-07	1.71E-06	4.57E-06	3.42E-06	7.98E-06	7.48E-07	6.63E-07	1.41E-06	5.58E-07	3.38E-07	8.97E-07
2284	562956.63	4234527.94	5.79E-06	4.77E-06	1.06E-05	9.83E-07	7.65E-07	1.75E-06	4.68E-06	3.50E-06	8.18E-06	7.66E-07	6.79E-07	1.44E-06	5.72E-07	3.47E-07	9.19E-07
2285	562960.84	4234519.8	5.94E-06	4.89E-06	1.08E-05	1.01E-06	7.85E-07	1.79E-06	4.80E-06	3.59E-06	8.39E-06	7.85E-07	6.96E-07	1.48E-06	5.87E-07	3.56E-07	9.42E-07
2286	562965.05	4234511.65	6.09E-06	5.01E-06	1.11E-05	1.03E-06	8.04E-07	1.84E-06	4.91E-06	3.68E-06	8.59E-06	8.05E-07	7.13E-07	1.52E-06	6.01E-07	3.64E-07	9.65E-07
2287	562969.26	4234503.51	6.24E-06	5.14E-06	1.14E-05	1.06E-06	8.24E-07	1.88E-06	5.04E-06	3.77E-06	8.81E-06	8.25E-07	7.31E-07	1.56E-06	6.16E-07	3.73E-07	9.90E-07
2288	562999.66	4234486.99	7.52E-06	6.19E-06	1.37E-05	1.28E-06	9.93E-07	2.27E-06	6.07E-06	4.54E-06	1.06E-05	9.94E-07	8.81E-07	1.87E-06	7.42E-07	4.50E-07	1.19E-06
2289	563008.39	4234484.19	7.84E-06	6.46E-06	1.43E-05	1.33E-06	1.04E-06	2.37E-06	6.33E-06	4.74E-06	1.11E-05	1.04E-06	9.19E-07	1.96E-06	7.74E-07	4.69E-07	1.24E-06
2290	563017.12	4234481.4	8.14E-06	6.70E-06	1.48E-05	1.38E-06	1.07E-06	2.46E-06	6.57E-06	4.92E-06	1.15E-05	1.08E-06	9.54E-07	2.03E-06	8.04E-07	4.87E-07	1.29E-06
2291	563025.85	4234478.6	8.40E-06	6.92E-06	1.53E-05	1.43E-06	1.11E-06	2.53E-06	6.78E-06	5.08E-06	1.19E-05	1.11E-06	9.84E-07	2.09E-06	8.29E-07	5.03E-07	1.33E-06
2292	563034.58	4234475.81	8.61E-06	7.10E-06	1.57E-05	1.46E-06	1.14E-06	2.60E-06	6.96E-06	5.21E-06	1.22E-05	1.14E-06	1.01E-06	2.15E-06	8.51E-07	5.16E-07	1.37E-06
2293	563043.31	4234473.02	8.74E-06	7.20E-06	1.59E-05	1.48E-06	1.15E-06	2.64E-06	7.06E-06	5.28E-06	1.23E-05	1.16E-06	1.02E-06	2.18E-06	8.63E-07	5.23E-07	1.39E-06
2294	563052.04	4234470.22	8.79E-06	7.24E-06	1.60E-05	1.49E-06	1.16E-06	2.65E-06	7.09E-06	5.31E-06	1.24E-05	1.16E-06	1.03E-06	2.19E-06	8.68E-07	5.26E-07	1.39E-06
2295	563060.78	4234467.43	8.75E-06	7.21E-06	1.60E-05	1.48E-06	1.16E-06	2.64E-06	7.06E-06	5.29E-06	1.24E-05	1.16E-06	1.03E-06	2.18E-06	8.64E-07	5.24E-07	1.39E-06
2296	563069.51	4234464.63	8.59E-06	7.08E-06	1.57E-05	1.46E-06	1.13E-06	2.59E-06	6.94E-06	5.19E-06	1.21E-05	1.14E-06	1.01E-06	2.14E-06	8.48E-07	5.14E-07	1.36E-06
2297	563078.24	4234461.84	8.33E-06	6.86E-06	1.52E-05	1.41E-06	1.10E-06	2.51E-06	6.72E-06	5.03E-06	1.18E-05	1.10E-06	9.76E-07	2.08E-06	8.22E-07	4.98E-07	1.32E-06
2298	563086.97	4234459.04	7.98E-06	6.58E-06	1.46E-05	1.35E-06	1.05E-06	2.41E-06	6.45E-06	4.82E-06	1.13E-05	1.06E-06	9.36E-07	1.99E-06	7.88E-07	4.78E-07	1.27E-06
2299	563095.7	4234456.25	7.58E-06	6.24E-06	1.38E-05	1.29E-06	1.00E-06	2.29E-06	6.12E-06	4.58E-06	1.07E-05	1.00E-06	8.88E-07	1.89E-06	7.48E-07	4.54E-07	1.20E-06
2300	562910.32	4234617.5	4.70E-06	3.87E-06	8.56E-06	7.97E-07	6.20E-07	1.42E-06	3.79E-06	2.84E-06	6.63E-06	6.21E-07	5.50E-07	1.17E-06	4.64E-07	2.81E-07	7.45E-07
2301	562909.52	4234626.82	4.69E-06	3.87E-06	8.56E-06	7.97E-07	6.20E-07	1.42E-06	3.79E-06	2.84E-06	6.63E-06	6.21E-07	5.50E-07	1.17E-06	4.64E-07	2.81E-07	7.45E-07
2302	562908.72	4234636.13	4.68E-06	3.86E-06	8.54E-06	7.95E-07	6.18E-07	1.41E-06	3.78E-06	2.83E-06	6.61E-06	6.19E-07	5.49E-07	1.17E-06	4.62E-07	2.80E-07	7.43E-07
2303	562907.92	4234645.45	4.66E-06	3.84E-06	8.50E-06	7.90E-07	6.15E-07	1.41E-06	3.76E-06	2.82E-06	6.58E-06	6.16E-07	5.46E-07	1.16E-06	4.60E-07	2.79E-07	7.39E-07
2304	562907.13	4234654.77	4.62E-06	3.81E-06	8.43E-06	7.84E-07	6.10E-07	1.39E-06	3.73E-06	2.79E-06	6.52E-06	6.11E-07	5.42E-07	1.15E-06	4.56E-07	2.77E-07	7.33E-07
2305	562906.33	4234664.09	4.57E-06	3.77E-06	8.34E-06	7.76E-07	6.04E-07	1.38E-06	3.69E-06	2.76E-06	6.46E-06	6.05E-07	5.36E-07	1.14E-06	4.52E-07	2.74E-07	7.26E-07
2306	562905.53	4234673.4	4.52E-06	3.72E-06	8.24E-06	7.67E-07	5.97E-07	1.36E-06	3.65E-06	2.73E-06	6.38E-06	5.97E-07	5.29E-07	1.13E-06	4.46E-07	2.70E-07	7.17E-07
2307	562904.73	4234682.72	4.45E-06	3.67E-06	8.12E-06	7.55E-07	5.88E-07	1.34E-06	3.59E-06	2.69E-06	6.28E-06	5.89E-07	5.22E-07	1.11E-06	4.40E-07	2.66E-07	7.06E-07
2308	562903.94	4234692.04	4.38E-06	3.61E-06	7.98E-06	7.43E-07	5.78E-07	1.32E-06	3.53E-06	2.65E-06	6.18E-06	5.79E-07	5.13E-07	1.09E-06	4.32E-07	2.62E-07	6.94E-07
2309	562903.14	4234701.36	4.29E-06	3.54E-06	7.83E-06	7.28E-07	5.67E-07	1.30E-06	3.47E-06	2.59E-06	6.06E-06	5.68E-07	5.03E-07	1.07E-06	4.24E-07	2.57E-07	6.81E-07
2310	562902.34	4234710.67	4.20E-06	3.46E-06	7.66E-06	7.13E-07	5.55E-07	1.27E-06	3.39E-06	2.54E-06	5.93E-06	5.55E-07	4.92E-07	1.05E-06	4.15E-07	2.51E-07	6.66E-07
2311	562901.54	4234719.99	4.10E-06	3.38E-06	7.47E-06	6.95E-07	5.41E-07	1.24E-06	3.31E-06	2.48E-06	5.78E-06	5.42E-07	4.80E-07	1.02E-06	4.05E-07	2.45E-07	6.50E-07
2312	562900.75	4234729.31	3.98E-06	3.28E-06	7.26E-06	6.76E-07	5.26E-07	1.20E-06	3.22E-06	2.41E-06	5.62E-06	5.27E-07	4.67E-07	9.93E-07	3.93E-07	2.38E-07	6.32E-07
2313	562894.52	4234607.81	4.26E-06	3.51E-06	7.77E-06	7.23E-07	5.63E-07	1.29E-06	3.44E-06	2.58E-06	6.02E-06	5.64E-07	5.00E-07	1.06E-06	4.21E-07	2.55E-07	6.76E-07
2314	562898.64	4234599.83	4.32E-06	3.56E-06	7.89E-06	7.34E-07	5.71E-07	1.30E-06	3.49E-06	2.61E-06	6.10E-06	5.72E-07	5.07E-07	1.08E-06	4.27E-07	2.59E-07	6.86E-07
2315	562902.77	4234591.85	4.38E-06	3.61E-06	8.00E-06	7.44E-07	5.79E-07	1.32E-06	3.54E-06	2.65E-06	6.19E-06	5.80E-07	5.14E-07	1.09E-06	4.33E-07	2.62E-07	6.95E-07
2316	562906.9	4234583.86	4.44E-06	3.66E-06	8.11E-06	7.54E-07	5.87E-07	1.34E-06	3.59E-06	2.69E-06	6.28E-06	5.88E-07	5.21E-07	1.11E-06	4.39E-07	2.66E-07	7.05E-07
2317	562911.03	4234575.88	4.51E-06	3.71E-06	8.22E-06	7.65E-07	5.95E-07	1.36E-06	3.64E-06	2.72E-06	6.36E-06	5.96E-07	5.28E-07	1.12E-06	4.45E-07	2.70E-07	7.15E-07
2318	562915.16	4234567.9	4.57E-06	3.76E-06	8.33E-06	7.75E-07	6.03E-07	1.38E-06	3.69E-06	2.76E-06	6.45E-06	6.04E-07	5.35E-07	1.14E-06	4.51E-07	2.73E-07	7.25E-07
2319	562919.28	4234559.92	4.64E-06	3.82E-06	8.45E-06	7.87E-07	6.12E-07	1.40E-06	3.74E-06	2.80E-06	6.54E-06	6.13E-07	5.43E-07	1.16E-06	4.58E-07	2.77E-07	7.35E-07
2320	562923.41	4234551.94	4.71E-06	3.88E-06	8.59E-06	7.99E-07	6.22E-07	1.42E-06	3.80E-06	2.85E-06	6.65E-06	6.23E-07	5.52E-07	1.17E-06	4.65E-07	2.82E-07	7.47E-07
2321	562927.54	4234543.95	4.79E-06	3.95E-06	8.74E-06	8.13E-07	6.33E-07	1.45E-06	3.87E-06	2.89E-06	6.76E-06	6.33E-07	5.61E-07	1.19E-06	4.73E-07	2.87E-07	7.60E-07

2322	562931.67	4234535.97	4.88E-06	4.02E-06	8.91E-06	8.29E-07	6.45E-07	1.47E-06	3.94E-06	2.95E-06	6.89E-06	6.46E-07	5.72E-07	1.22E-06	4.82E-07	2.92E-07	7.75E-07
2323	562935.8	4234527.99	4.99E-06	4.11E-06	9.10E-06	8.46E-07	6.59E-07	1.51E-06	4.03E-06	3.01E-06	7.04E-06	6.60E-07	5.85E-07	1.24E-06	4.93E-07	2.99E-07	7.91E-07
2324	562939.92	4234520.01	5.11E-06	4.21E-06	9.31E-06	8.66E-07	6.74E-07	1.54E-06	4.12E-06	3.09E-06	7.21E-06	6.75E-07	5.98E-07	1.27E-06	5.04E-07	3.06E-07	8.10E-07
2325	562944.05	4234512.02	5.21E-06	4.29E-06	9.51E-06	8.84E-07	6.88E-07	1.57E-06	4.21E-06	3.15E-06	7.36E-06	6.89E-07	6.11E-07	1.30E-06	5.15E-07	3.12E-07	8.27E-07
2326	562948.18	4234504.04	5.32E-06	4.38E-06	9.70E-06	9.02E-07	7.02E-07	1.60E-06	4.29E-06	3.21E-06	7.51E-06	7.03E-07	6.23E-07	1.33E-06	5.25E-07	3.18E-07	8.43E-07
2327	562952.31	4234496.06	5.44E-06	4.48E-06	9.92E-06	9.23E-07	7.18E-07	1.64E-06	4.39E-06	3.29E-06	7.68E-06	7.19E-07	6.37E-07	1.36E-06	5.37E-07	3.25E-07	8.62E-07
2328	562956.44	4234488.08	5.57E-06	4.59E-06	1.02E-05	9.45E-07	7.36E-07	1.68E-06	4.50E-06	3.37E-06	7.86E-06	7.37E-07	6.53E-07	1.39E-06	5.50E-07	3.33E-07	8.84E-07
2329	562969.12	4234477.35	6.06E-06	4.99E-06	1.11E-05	1.03E-06	8.00E-07	1.83E-06	4.89E-06	3.66E-06	8.56E-06	8.01E-07	7.10E-07	1.51E-06	5.99E-07	3.63E-07	9.61E-07
2330	562994.8	4234469.14	6.97E-06	5.75E-06	1.27E-05	1.18E-06	9.21E-07	2.10E-06	5.63E-06	4.22E-06	9.85E-06	9.22E-07	8.17E-07	1.74E-06	6.89E-07	4.17E-07	1.11E-06
2331	563011.92	4234463.66	7.50E-06	6.18E-06	1.37E-05	1.27E-06	9.91E-07	2.26E-06	6.06E-06	4.53E-06	1.06E-05	9.92E-07	8.79E-07	1.87E-06	7.41E-07	4.49E-07	1.19E-06
2332	563029.04	4234458.18	7.95E-06	6.55E-06	1.45E-05	1.35E-06	1.05E-06	2.40E-06	6.42E-06	4.81E-06	1.12E-05	1.05E-06	9.32E-07	1.98E-06	7.86E-07	4.76E-07	1.26E-06
2333	563046.15	4234452.7	8.08E-06	6.65E-06	1.47E-05	1.37E-06	1.07E-06	2.44E-06	6.52E-06	4.88E-06	1.14E-05	1.07E-06	9.46E-07	2.01E-06	7.98E-07	4.83E-07	1.28E-06
2334	563063.27	4234447.22	7.88E-06	6.49E-06	1.44E-05	1.34E-06	1.04E-06	2.38E-06	6.36E-06	4.76E-06	1.11E-05	1.04E-06	9.23E-07	1.97E-06	7.78E-07	4.72E-07	1.25E-06
2335	563080.39	4234441.74	7.37E-06	6.07E-06	1.34E-05	1.25E-06	9.73E-07	2.22E-06	5.95E-06	4.45E-06	1.04E-05	9.74E-07	8.63E-07	1.84E-06	7.27E-07	4.41E-07	1.17E-06
2336	563097.51	4234436.26	6.71E-06	5.53E-06	1.22E-05	1.14E-06	8.86E-07	2.02E-06	5.42E-06	4.05E-06	9.47E-06	8.87E-07	7.86E-07	1.67E-06	6.62E-07	4.01E-07	1.06E-06
2337	562890.39	4234615.79	4.20E-06	3.46E-06	7.66E-06	7.12E-07	5.55E-07	1.27E-06	3.39E-06	2.54E-06	5.93E-06	5.55E-07	4.92E-07	1.05E-06	4.15E-07	2.51E-07	6.66E-07
2338	562889.59	4234625.11	4.21E-06	3.47E-06	7.67E-06	7.14E-07	5.56E-07	1.27E-06	3.40E-06	2.54E-06	5.94E-06	5.56E-07	4.93E-07	1.05E-06	4.15E-07	2.52E-07	6.67E-07
2339	562888.79	4234634.43	4.20E-06	3.46E-06	7.67E-06	7.13E-07	5.55E-07	1.27E-06	3.39E-06	2.54E-06	5.93E-06	5.56E-07	4.93E-07	1.05E-06	4.15E-07	2.52E-07	6.67E-07
2340	562888	4234643.75	4.19E-06	3.45E-06	7.64E-06	7.11E-07	5.53E-07	1.26E-06	3.38E-06	2.53E-06	5.92E-06	5.54E-07	4.91E-07	1.05E-06	4.14E-07	2.51E-07	6.65E-07
2341	562887.2	4234653.06	4.17E-06	3.43E-06	7.60E-06	7.07E-07	5.50E-07	1.26E-06	3.36E-06	2.52E-06	5.88E-06	5.51E-07	4.88E-07	1.04E-06	4.11E-07	2.49E-07	6.61E-07
2342	562886.4	4234662.38	4.13E-06	3.40E-06	7.54E-06	7.01E-07	5.46E-07	1.25E-06	3.34E-06	2.50E-06	5.83E-06	5.47E-07	4.84E-07	1.03E-06	4.08E-07	2.47E-07	6.55E-07
2343	562885.6	4234671.7	4.09E-06	3.37E-06	7.46E-06	6.94E-07	5.40E-07	1.23E-06	3.30E-06	2.47E-06	5.77E-06	5.41E-07	4.79E-07	1.02E-06	4.04E-07	2.45E-07	6.49E-07
2344	562884.81	4234681.02	4.04E-06	3.33E-06	7.36E-06	6.85E-07	5.33E-07	1.22E-06	3.26E-06	2.44E-06	5.70E-06	5.34E-07	4.73E-07	1.01E-06	3.99E-07	2.42E-07	6.40E-07
2345	562884.01	4234690.33	3.97E-06	3.27E-06	7.25E-06	6.74E-07	5.25E-07	1.20E-06	3.21E-06	2.40E-06	5.61E-06	5.26E-07	4.66E-07	9.91E-07	3.92E-07	2.38E-07	6.30E-07
2346	562883.21	4234699.65	3.90E-06	3.21E-06	7.11E-06	6.62E-07	5.15E-07	1.18E-06	3.15E-06	2.36E-06	5.51E-06	5.16E-07	4.57E-07	9.73E-07	3.85E-07	2.33E-07	6.19E-07
2347	562882.41	4234708.97	3.81E-06	3.14E-06	6.95E-06	6.47E-07	5.04E-07	1.15E-06	3.08E-06	2.30E-06	5.38E-06	5.04E-07	4.47E-07	9.51E-07	3.77E-07	2.28E-07	6.05E-07
2348	562881.62	4234718.29	3.71E-06	3.05E-06	6.76E-06	6.29E-07	4.89E-07	1.12E-06	2.99E-06	2.24E-06	5.23E-06	4.90E-07	4.34E-07	9.24E-07	3.66E-07	2.22E-07	5.88E-07
2349	562880.82	4234727.6	3.58E-06	2.95E-06	6.54E-06	6.08E-07	4.73E-07	1.08E-06	2.89E-06	2.17E-06	5.06E-06	4.74E-07	4.20E-07	8.94E-07	3.54E-07	2.14E-07	5.68E-07
2350	562874.75	4234605.8	3.84E-06	3.17E-06	7.01E-06	6.52E-07	5.08E-07	1.16E-06	3.10E-06	2.32E-06	5.43E-06	5.08E-07	4.51E-07	9.59E-07	3.80E-07	2.30E-07	6.10E-07
2351	562879.04	4234597.5	3.89E-06	3.20E-06	7.09E-06	6.60E-07	5.14E-07	1.17E-06	3.14E-06	2.35E-06	5.49E-06	5.14E-07	4.56E-07	9.70E-07	3.84E-07	2.33E-07	6.17E-07
2352	562883.33	4234589.21	3.93E-06	3.24E-06	7.17E-06	6.67E-07	5.19E-07	1.19E-06	3.18E-06	2.38E-06	5.55E-06	5.20E-07	4.61E-07	9.81E-07	3.88E-07	2.35E-07	6.24E-07
2353	562887.62	4234580.92	3.97E-06	3.27E-06	7.25E-06	6.74E-07	5.25E-07	1.20E-06	3.21E-06	2.40E-06	5.61E-06	5.26E-07	4.66E-07	9.91E-07	3.93E-07	2.38E-07	6.30E-07
2354	562891.9	4234572.62	4.02E-06	3.31E-06	7.33E-06	6.82E-07	5.31E-07	1.21E-06	3.24E-06	2.43E-06	5.67E-06	5.31E-07	4.71E-07	1.00E-06	3.97E-07	2.40E-07	6.37E-07
2355	562896.19	4234564.33	4.06E-06	3.35E-06	7.41E-06	6.89E-07	5.37E-07	1.23E-06	3.28E-06	2.46E-06	5.74E-06	5.37E-07	4.76E-07	1.01E-06	4.01E-07	2.43E-07	6.44E-07
2356	562900.48	4234556.04	4.11E-06	3.39E-06	7.50E-06	6.98E-07	5.43E-07	1.24E-06	3.32E-06	2.49E-06	5.81E-06	5.44E-07	4.82E-07	1.03E-06	4.06E-07	2.46E-07	6.52E-07
2357	562904.77	4234547.75	4.17E-06	3.43E-06	7.60E-06	7.07E-07	5.50E-07	1.26E-06	3.36E-06	2.52E-06	5.88E-06	5.51E-07	4.88E-07	1.04E-06	4.12E-07	2.49E-07	6.61E-07
2358	562909.06	4234539.45	4.23E-06	3.49E-06	7.72E-06	7.18E-07	5.59E-07	1.28E-06	3.42E-06	2.56E-06	5.97E-06	5.60E-07	4.96E-07	1.06E-06	4.18E-07	2.53E-07	6.71E-07
2359	562913.35	4234531.16	4.31E-06	3.55E-06	7.85E-06	7.31E-07	5.69E-07	1.30E-06	3.48E-06	2.60E-06	6.08E-06	5.69E-07	5.05E-07	1.07E-06	4.25E-07	2.58E-07	6.83E-07
2360	562917.64	4234522.87	4.39E-06	3.62E-06	8.01E-06	7.45E-07	5.80E-07	1.33E-06	3.55E-06	2.65E-06	6.20E-06	5.81E-07	5.15E-07	1.10E-06	4.34E-07	2.63E-07	6.97E-07
2361	562921.92	4234514.57	4.48E-06	3.69E-06	8.18E-06	7.61E-07	5.92E-07	1.35E-06	3.62E-06	2.71E-06	6.33E-06	5.93E-07	5.26E-07	1.12E-06	4.43E-07	2.68E-07	7.11E-07
2362	562926.21	4234506.28	4.56E-06	3.76E-06	8.32E-06	7.74E-07	6.02E-07	1.38E-06	3.68E-06	2.76E-06	6.44E-06	6.03E-07	5.35E-07	1.14E-06	4.50E-07	2.73E-07	7.23E-07
2363	562930.5	4234497.99	4.65E-06	3.83E-06	8.48E-06	7.89E-07	6.14E-07	1.40E-06	3.75E-06	2.81E-06	6.56E-06	6.15E-07	5.45E-07	1.16E-06	4.59E-07	2.78E-07	7.37E-07
2364	562934.79	4234489.7	4.74E-06	3.91E-06	8.65E-06	8.05E-07	6.26E-07	1.43E-06	3.83E-06	2.87E-06	6.69E-06	6.27E-07	5.56E-07	1.18E-06	4.68E-07	2.84E-07	7.52E-07
2365	562939.08	4234481.4	4.86E-06	4.01E-06	8.87E-06	8.25E-07	6.42E-07	1.47E-06	3.93E-06	2.94E-06	6.86E-06	6.43E-07	5.70E-07	1.21E-06	4.80E-07	2.91E-07	7.71E-07
2366	562943.37	4234473.11	5.00E-06	4.12E-06	9.12E-06	8.49E-07	6.60E-07	1.51E-06	4.04E-06	3.02E-06	7.06E-06	6.61E-07	5.86E-07	1.25E-06	4.94E-07	2.99E-07	7.93E-07
2367	562956.55	4234461.97	5.45E-06	4.49E-06	9.94E-06	9.24E-07	7.20E-07	1.64E-06	4.40E-06	3.29E-06	7.69E-06	7.20E-07	6.38E-07	1.36E-06	5.38E-07	3.26E-07	8.64E-07
2368	562965.44	4234459.13	5.75E-06	4.74E-06	1.05E-05	9.75E-07	7.59E-07	1.73E-06	4.64E-06	3.47E-06	8.11E-06	7.60E-07	6.74E-07	1.43E-06	5.68E-07	3.44E-07	9.12E-07
2369	562992.11	4234450.59	6.58E-06	5.42E-06	1.20E-05	1.12E-06	8.69E-07	1.98E-06	5.31E-06	3.97E-06	9.28E-06	8.70E-07	7.71E-07	1.64E-06	6.50E-07	3.94E-07	1.04E-06
2370	563001.01	4234447.74	6.81E-06	5.61E-06	1.24E-05	1.16E-06	8.99E-07	2.05E-06	5.50E-06	4.12E-06	9.61E-06	9.01E-07	7.98E-07	1.70E-06	6.73E-07	4.08E-07	1.08E-06
2371	563009.9	4234444.9	7.03E-06	5.79E-06	1.28E-05	1.19E-06	9.29E-07	2.12E-06	5.68E-06	4.25E-06	9.93E-06	9.30E-07	8.24E-07	1.75E-06	6.95E-07	4.21E-07	1.12E-06
2372	563018.79	4234442.05	7.21E-06	5.94E-06	1.32E-05	1.22E-06	9.53E-07	2.18E-06	5.82E-06	4.36E-06	1.02E-05	9.54E-07	8.45E-07	1.80E-06	7.12E-07	4.32E-07	1.14E-06
2373	563027.68	4234439.2	7.33E-06	6.04E-06	1.34E-05	1.24E-06	9.68E-07	2.21E-06	5.92E-06	4.43E-06	1.03E-05	9.69E-07	8.59E-07	1.83E-06	7.24E-07	4.39E-07	1.16E-06
2374	563036.57	4234436.36	7.36E-06	6.07E-06	1.34E-05	1.25E-06	9.72E-07	2.22E-06	5.95E-06	4.45E-06	1.04E-05	9.74E-07	8.63E-07	1.84E-06	7.27E-07	4.41E-07	1.17E-06
2375	563045.46	4234433.51	7.32E-06	6.03E-06	1.33E-05	1.24E-06	9.66E-07	2.21E-06	5.91E-06	4.42E-06	1.03E-05	9.68E-07	8.57E-07	1.82E-06	7.23E-07	4.38E-07	1.16E-06
2376	563054.36	4234430.67	7.21E-06	5.94E-06	1.32E-05	1.22E-06	9.52E-07	2.18E-06	5.82E-06	4.36E-06	1.02E-05	9.54E-07	8.45E-07	1.80E-06	7.12E-07	4.32E-07	1.14E-06
2377	563063.25	4234427.82	7.04E-06	5.80E-06	1.28E-05	1.20E-06	9.30E-07	2.13E-06	5.69E-06	4.26E-06	9.95E-06	9.32E-07	8.26E-07	1.76E-06	6.96E-07	4.22E-07	1.12E-06
2378	563072.14	4234424.98	6.84E-06	5.63E-06	1.25E-05	1.16E-06	9.03E-07	2.06E-06	5.52E-06	4.13E-06	9.65E-06	9.04E-07	8.01E-07	1.71E-06	6.75E-07	4.09E-07	1.08E-06
2379	563081.03	4234422.13	6.59E-06	5.43E-06	1.20E-05	1.12E-06	8.71E-07	1.99E-06	5.32E-06	3.98E-06	9.31E-06	8.72E-07	7.73E-07	1.64E-06	6.51E-07	3.95E-07	1.05E-06
2380	563089.92	4234419.28	6.31E-06	5.20E-06	1.15E-05	1.07E-06	8.33E-07	1.90E-06	5.10E-06	3.81E-06	8.91E-06	8.35E-07	7.39E-07	1.57E-06	6.23E-07	3.78E-07	1.00E-06
2381	563098.81	4234416.44	5.97E-06	4.92E-06	1.09E-05	1.01E-06	7.89E-07	1.80E-06	4.82E-06	3.61E-06	8.43E-06	7.90E-07	7.00E-07	1.49E-06	5.90E-07	3.57E-07	9.47E-07
2382	562870.46	4234614.09	3.80E-06	3.13E-06	6.93E-06	6.44E-07	5.02E-07	1.15E-06	3.07E-06	2.30E-06	5.36E-06	5.02E-07	4.45E-07	9.47E-07	3.75E-07	2.27E-07	6.02E-07
2383	562869.66	4234623.41	3.81E-06	3.14E-06	6.95E-06	6.47E-07	5.03E-07	1.15E-06	3.08E-06	2.30E-06	5.38E-06	5.04E-07	4.47E-07	9.51E-07	3.76E-07	2.28E-07	6.04E-07
2384	562868.87	4234632.72	3.81E-06	3.14E-06	6.96E-06	6.47E-07	5.04E-07	1.15E-06	3.08E-06	2.31E-06	5.39E-06	5.04E-07	4.47E-07	9.52E-07	3.77E-07	2.28E-07	6.05E-07
2385	562868.07	4234642.04	3.81E-06	3.14E-06	6.95E-06	6.46E-07	5.03E-07	1.15E-06	3.08E-06	2.30E-06	5.38E-06	5.04E-07	4.46E-07	9.50E-07	3.76E-07	2.28E-07	6.04E-07
2386	562867.27	4234651.36	3.79E-06	3.13E-06	6.92E-06	6.44E-07	5.01E-07	1.14E-06	3.06E-06	2.29E-06	5.36E-06	5.02E-07	4.45E-07	9.46E-07	3.75E-07	2.27E-07	6.02E-07
2387	562866.47	4234660.68	3.77E-06	3.11E-06	6.87E-06	6.40E-07	4.98E-07	1.14E-06	3.04E-06	2.28E-06	5.32E-06	4.98E-07	4.42E-07	9.40E-07	3.72E-07	2.26E-07	5.98E-07
2388	562865.68	4234669.99	3.73E-06	3.08E-06	6.81E-06	6.34E-07	4.93E-07	1.13E-06	3.02E-06	2.26E-06	5.27E-06	4.94E-07	4.38E-07	9.32E-07	3.69E-07	2.24E-07	5.92E-07
2389	562864.88	4234679.31	3.69E-06	3.04E-06	6.73E-06	6.26E-07	4.87E-07	1.11E-06	2.98E-06	2.23E-06	5.21E-06	4.88E-07	4.32E-07	9.20E-07	3.64E-07	2.21E-07	5.85E-07
2390	562864.08	4234688.63	3.64E-06	3.00E-06	6.63E-06	6.17E-07	4.80E-07	1.10E-06	2.94E-06	2.20E-06	5.13E-06	4.81E-07	4.26E-07	9.07E-07	3.59E-07	2.18E-07	5.77E-07
2391	562863.28	4234697.95	3.56E-06	2.93E-06	6.49E-06	6.03E-07	4.70E-07	1.07E-06	2.87E-06	2.15E-06	5.02E-06	4.70E-07	4.17E-07	8.87E-07	3.51E-07	2.13E-07	5.64E-07
2392	562862.49	4234707.26	3.40E-06	2.80E-06	6.21E-06	5.77E-07	4.49E-07	1.03E-06	2.75E-06	2.06E-06	4.80E-06	4.50E-07	3.99E-07	8.49E-07	3.36E-07	2.04E-07	5.40E-07
2393	562861.69	4234716.58	3.24E-06	2.67E-06	5.91E-06	5.50E-07	4.28E-07	9.78E-07	2.62E-06	1.96E-06	4.58E-06	4.29E-07	3.80E-07	8.09E-07	3.20E-07	1.94E-07	5.14E-07
2394	562860.89	4234725.9	3.08E-06	2.54E-06	5.62E-06	5.23E-07	4.07E-07	9.30E-07	2.49E-06	1.86E-06	4.35E-06	4.07E-07	3.61E-07	7.68E-07	3.04E-07	1.84E-07	4.89E-07
2395	562854.74	4234604.24	3.50E-06	2.88E-06	6.39E-06	5.94E-07	4.62E-07	1.06E-06	2.83E-06	2.12E-06	4.94E-06	4.63E-07	4.10E-07	8.73E-07	3.46E-07	2.10E-07	5.55E-07
2396	562858.96	4234596.1	3.53E-06	2.91E-06	6.44E-06	5.99E-07	4.66E-07	1.07E-06	2.85E-06	2.13E-06	4.98E-06	4.67E-07	4.14E-07	8.81E-07	3.49E-07	2.11E-07	5.60E-07
2397	562863.17	4234587.96	3.56E-06	2.93E-06	6.49E-06	6.04E-07	4.70E-07	1.07E-06	2.87E-06	2.15E-06	5.02E-06	4.71E-07	4.17E-07	8.88E-07	3.51E-07	2.13E-07	5.64E-07
2398	562867.38	4234579.81	3.59E-06	2.95E-06	6.54E-06	6.08E-07	4.74E-07	1.08E-06	2.89E-06	2.17E-06	5.06E-06	4.74E-07	4.20E-07	8.94E-07	3.54E-07	2.15E-07	5.69E-07
2399	562871.59	4234571.67	3.61E-06	2.98E-06	6.59E-06	6.13E-07	4.77E-07	1.09E-06	2.92E-06	2.18E-06	5.10E-06	4.78E-07	4.23E-07	9.01E-07	3.57E-07	2.16E-07	5.73E-07
2400	562875.8	4234563.53	3.64E-06	3.00E-06	6.64E-06	6.18E-07	4.81E-07	1.10E-06	2.94E-06	2.20E-06	5.14E-06	4.81E-07	4.27E-07	9.08E-07	3.59E-07	2.18E-07	5.77E-07
2401	562880.01	4234555.39	3.67E-06	3.02E-06	6.69E-06	6.23E-07	4.85E-07	1.11E-06	2.96E-06	2.22E-06	5.18E-06	4.85E-07	4.30E-07	9.16E-07	3.63E-07	2.20E-07	5.82E-07
2402	562884.22	4234547.25	3.71E-06	3.05E-06	6.76E-06	6.29E-07	4.89E-07	1.12E-06	2.99E-06	2.24E-06	5.23E-06	4.90E-07	4.34E-07	9.24E-07	3.66E-07	2.22E-07	5.88E-07
2403	562888.43	4234539.1	3.75E-06	3.09E-06	6.83E-06	6.36E-07	4.95E-07	1.13E-06	3.02E-06	2.26E-06	5.29E-06	4.95E-07	4.39E-07	9.34E-07	3.70E-07	2.24E-07	5.94E-07
2404	562892.64	4234530.96	3.79E-06	3.13E-06	6.92E-06	6.44E-07	5.01E-07	1.14E-06	3.06E-06	2.29E-06	5.36E-06	5.02E-07	4.45E-07	9.46E-07	3.75E-07	2.27E-07	6.02E-07
2405	562896.85	4234522.82	3.85E-06	3.17E-06	7.03E-06	6.54E-07	5.09E-07	1.16E-06	3.11E-06	2.33E-06	5.44E-06	5.10E-07	4.52E-07	9.61E-07	3.81E-07	2.31E-07	6.11E-07
2406	562901.06	4234514.68	3.92E-06	3.23E-06	7.15E-06	6.65E-07	5.17E-07	1.18E-06	3.16E-06	2.37E-06	5.53E-06	5.18E-07	4.59E-07	9.77E-07	3.87E-07	2.35E-07	6.21E-07
2407	562905.27	4234506.54	3.97E-06	3.27E-06	7.24E-06	6.74E-07	5.24E-07	1.20E-06	3.21E-06	2.40E-06	5.60E-06	5.25E-07	4.65E-07	9.90E-07	3.92E-07	2.38E-07	6.30E-07
2408	562909.48	4234498.39	4.03E-06	3.32E-06	7.36E-06	6.84E-07	5.33E-07	1.22E-06	3.26E-06	2.44E-06	5.69E-06	5.33E-07	4.73E-07	1.01E-06	3.98E-07	2.41E-07	6.40E-07
2409	562913.69	4234490.25	4.11E-06	3.38E-06	7.49E-06	6.97E-07	5.42E-07	1.24E-06	3.32E-06	2.48E-06	5.80E-06	5.43E-07	4.81E-07	1.02E-06	4.06E-07	2.46E-07	6.51E-07
2410	562917.9	4234482.11	4.21E-06	3.47E-06	7.67E-06	7.14E-07	5.55E-07	1.27E-06	3.40E-06	2.54E-06	5.94E-06	5.56E-07	4.93E-07	1.05E-06	4.15E-07	2.52E-07	6.67E-07
2411	562922.11	4234473.97	4.33E-06	3.57E-06	7.89E-06	7.34E-07	5.72E-07	1.31E-06	3.49E-06	2.62E-06	6.11E-06	5.72E-07	5.07E-07	1.08E-06	4.27E-07	2.59E-07	6.86E-07
2412	562926.32	4234465.83	4.45E-06	3.67E-06	8.12E-06	7.56E-07	5.88E-07	1.34E-06	3.60E-06	2.69E-06	6.29E-06	5.89E-07	5.22E-07	1.11E-06	4.40E-07	2.67E-07	7.06E-07
2413	562930.54	4234457.68	4.58E-06	3.77E-06	8.35E-06	7.77E-07	6.05E-07	1.38E-06	3.70E-06	2.77E-06	6.47E-06	6.06E-07	5.37E-07	1.14E-06	4.52E-07	2.74E-07	7.27E-07
2414	562943.48	4234446.75	4.97E-06	4.09E-06	9.06E-06	8.43E-07	6.56E-07	1.50E-06	4.01E-06	3.00E-06	7.02E-06	6.57E-07	5.82E-07	1.24E-06	4.91E-07	2.97E-07	7.88E-07

2415	562952.21	4234443.95	5.24E-06	4.31E-06	9.55E-06	8.89E-07	6.92E-07	1.58E-06	4.23E-06	3.17E-06	7.39E-06	6.93E-07	6.14E-07	1.31E-06	5.17E-07	3.13E-07	8.31E-07
2416	562960.94	4234441.16	5.50E-06	4.53E-06	1.00E-05	9.34E-07	7.27E-07	1.66E-06	4.44E-06	3.33E-06	7.77E-06	7.28E-07	6.45E-07	1.37E-06	5.43E-07	3.29E-07	8.73E-07
2417	562987.13	4234432.78	6.22E-06	5.13E-06	1.13E-05	1.06E-06	8.22E-07	1.88E-06	5.02E-06	3.76E-06	8.78E-06	8.23E-07	7.29E-07	1.55E-06	6.15E-07	3.72E-07	9.87E-07
2418	562995.86	4234429.98	6.42E-06	5.29E-06	1.17E-05	1.09E-06	8.47E-07	1.94E-06	5.18E-06	3.88E-06	9.06E-06	8.48E-07	7.52E-07	1.60E-06	6.34E-07	3.84E-07	1.02E-06
2419	563004.59	4234427.19	6.57E-06	5.42E-06	1.20E-05	1.12E-06	8.68E-07	1.98E-06	5.31E-06	3.97E-06	9.28E-06	8.69E-07	7.70E-07	1.64E-06	6.49E-07	3.94E-07	1.04E-06
2420	563013.32	4234424.39	6.69E-06	5.51E-06	1.22E-05	1.14E-06	8.84E-07	2.02E-06	5.40E-06	4.04E-06	9.45E-06	8.85E-07	7.84E-07	1.67E-06	6.61E-07	4.01E-07	1.06E-06
2421	563022.05	4234421.6	6.76E-06	5.57E-06	1.23E-05	1.15E-06	8.93E-07	2.04E-06	5.46E-06	4.09E-06	9.55E-06	8.94E-07	7.93E-07	1.69E-06	6.68E-07	4.05E-07	1.07E-06
2422	563030.78	4234418.81	6.79E-06	5.59E-06	1.24E-05	1.15E-06	8.96E-07	2.05E-06	5.48E-06	4.10E-06	9.58E-06	8.97E-07	7.95E-07	1.69E-06	6.70E-07	4.06E-07	1.08E-06
2423	563039.51	4234416.01	6.76E-06	5.57E-06	1.23E-05	1.15E-06	8.92E-07	2.04E-06	5.46E-06	4.08E-06	9.54E-06	8.93E-07	7.92E-07	1.69E-06	6.67E-07	4.04E-07	1.07E-06
2424	563048.24	4234413.22	6.68E-06	5.50E-06	1.22E-05	1.13E-06	8.82E-07	2.01E-06	5.39E-06	4.03E-06	9.42E-06	8.83E-07	7.82E-07	1.67E-06	6.59E-07	4.00E-07	1.06E-06
2425	563056.97	4234410.42	6.54E-06	5.39E-06	1.19E-05	1.11E-06	8.64E-07	1.97E-06	5.28E-06	3.96E-06	9.24E-06	8.65E-07	7.67E-07	1.63E-06	6.46E-07	3.92E-07	1.04E-06
2426	563065.7	4234407.63	6.37E-06	5.25E-06	1.16E-05	1.08E-06	8.41E-07	1.92E-06	5.14E-06	3.85E-06	8.99E-06	8.42E-07	7.46E-07	1.59E-06	6.29E-07	3.81E-07	1.01E-06
2427	563074.43	4234404.84	6.15E-06	5.07E-06	1.12E-05	1.04E-06	8.13E-07	1.86E-06	4.97E-06	3.72E-06	8.69E-06	8.14E-07	7.21E-07	1.54E-06	6.08E-07	3.68E-07	9.76E-07
2428	563083.16	4234402.04	5.91E-06	4.87E-06	1.08E-05	1.00E-06	7.80E-07	1.78E-06	4.77E-06	3.57E-06	8.34E-06	7.81E-07	6.92E-07	1.47E-06	5.83E-07	3.54E-07	9.37E-07
2429	563091.89	4234399.25	5.64E-06	4.64E-06	1.03E-05	9.56E-07	7.44E-07	1.70E-06	4.55E-06	3.41E-06	7.96E-06	7.45E-07	6.60E-07	1.41E-06	5.57E-07	3.37E-07	8.94E-07
2430	563100.62	4234396.45	5.31E-06	4.38E-06	9.69E-06	9.02E-07	7.02E-07	1.60E-06	4.29E-06	3.21E-06	7.50E-06	7.03E-07	6.23E-07	1.33E-06	5.25E-07	3.18E-07	8.43E-07
2431	562850.53	4234612.38	3.47E-06	2.86E-06	6.33E-06	5.89E-07	4.58E-07	1.05E-06	2.80E-06	2.10E-06	4.90E-06	4.59E-07	4.07E-07	8.65E-07	3.43E-07	2.08E-07	5.50E-07
2432	562849.74	4234621.7	3.49E-06	2.87E-06	6.36E-06	5.91E-07	4.60E-07	1.05E-06	2.81E-06	2.11E-06	4.92E-06	4.61E-07	4.08E-07	8.69E-07	3.44E-07	2.09E-07	5.53E-07
2433	562848.94	4234631.02	3.49E-06	2.88E-06	6.37E-06	5.93E-07	4.61E-07	1.05E-06	2.82E-06	2.11E-06	4.93E-06	4.62E-07	4.09E-07	8.72E-07	3.45E-07	2.09E-07	5.54E-07
2434	562848.14	4234640.34	3.48E-06	2.87E-06	6.35E-06	5.91E-07	4.60E-07	1.05E-06	2.81E-06	2.11E-06	4.92E-06	4.61E-07	4.08E-07	8.69E-07	3.44E-07	2.09E-07	5.53E-07
2435	562847.34	4234649.65	3.45E-06	2.84E-06	6.29E-06	5.85E-07	4.56E-07	1.04E-06	2.79E-06	2.09E-06	4.87E-06	4.56E-07	4.04E-07	8.61E-07	3.41E-07	2.07E-07	5.47E-07
2436	562846.55	4234658.97	3.40E-06	2.80E-06	6.20E-06	5.77E-07	4.49E-07	1.03E-06	2.75E-06	2.06E-06	4.80E-06	4.50E-07	3.99E-07	8.48E-07	3.36E-07	2.04E-07	5.40E-07
2437	562845.75	4234668.29	3.34E-06	2.76E-06	6.10E-06	5.68E-07	4.42E-07	1.01E-06	2.70E-06	2.02E-06	4.72E-06	4.42E-07	3.92E-07	8.34E-07	3.30E-07	2.00E-07	5.31E-07
2438	562844.95	4234677.61	3.30E-06	2.72E-06	6.01E-06	5.60E-07	4.36E-07	9.95E-07	2.66E-06	1.99E-06	4.66E-06	4.36E-07	3.86E-07	8.23E-07	3.26E-07	1.97E-07	5.23E-07
2439	562844.15	4234686.92	3.24E-06	2.67E-06	5.91E-06	5.50E-07	4.28E-07	9.78E-07	2.62E-06	1.96E-06	4.58E-06	4.29E-07	3.80E-07	8.09E-07	3.20E-07	1.94E-07	5.14E-07
2440	562843.36	4234696.24	3.18E-06	2.62E-06	5.79E-06	5.39E-07	4.19E-07	9.58E-07	2.56E-06	1.92E-06	4.48E-06	4.20E-07	3.72E-07	7.92E-07	3.14E-07	1.90E-07	5.04E-07
2441	562842.56	4234705.56	3.04E-06	2.51E-06	5.55E-06	5.16E-07	4.02E-07	9.18E-07	2.46E-06	1.84E-06	4.30E-06	4.02E-07	3.57E-07	7.59E-07	3.01E-07	1.82E-07	4.83E-07
2442	562841.76	4234714.88	2.91E-06	2.40E-06	5.32E-06	4.94E-07	3.85E-07	8.79E-07	2.35E-06	1.76E-06	4.11E-06	3.85E-07	3.42E-07	7.27E-07	2.88E-07	1.74E-07	4.62E-07
2443	562840.96	4234724.19	2.79E-06	2.30E-06	5.08E-06	4.73E-07	3.68E-07	8.41E-07	2.25E-06	1.68E-06	3.94E-06	3.69E-07	3.27E-07	6.95E-07	2.75E-07	1.67E-07	4.42E-07
2444	562834.75	4234602.66	3.22E-06	2.65E-06	5.87E-06	5.46E-07	4.25E-07	9.71E-07	2.60E-06	1.94E-06	4.54E-06	4.25E-07	3.77E-07	8.02E-07	3.18E-07	1.93E-07	5.10E-07
2445	562838.9	4234594.64	3.24E-06	2.67E-06	5.90E-06	5.49E-07	4.27E-07	9.77E-07	2.61E-06	1.96E-06	4.57E-06	4.28E-07	3.79E-07	8.07E-07	3.20E-07	1.94E-07	5.13E-07
2446	562843.05	4234586.62	3.25E-06	2.68E-06	5.93E-06	5.52E-07	4.30E-07	9.81E-07	2.63E-06	1.97E-06	4.59E-06	4.30E-07	3.81E-07	8.11E-07	3.21E-07	1.95E-07	5.16E-07
2447	562847.19	4234578.6	3.27E-06	2.69E-06	5.96E-06	5.54E-07	4.32E-07	9.86E-07	2.64E-06	1.97E-06	4.61E-06	4.32E-07	3.83E-07	8.15E-07	3.23E-07	1.96E-07	5.18E-07
2448	562851.34	4234570.58	3.28E-06	2.70E-06	5.99E-06	5.57E-07	4.34E-07	9.91E-07	2.65E-06	1.98E-06	4.63E-06	4.34E-07	3.85E-07	8.19E-07	3.24E-07	1.96E-07	5.21E-07
2449	562855.49	4234562.57	3.30E-06	2.72E-06	6.02E-06	5.60E-07	4.36E-07	9.95E-07	2.66E-06	1.99E-06	4.66E-06	4.36E-07	3.86E-07	8.23E-07	3.26E-07	1.97E-07	5.23E-07
2450	562859.63	4234554.55	3.31E-06	2.73E-06	6.05E-06	5.62E-07	4.38E-07	1.00E-06	2.68E-06	2.00E-06	4.68E-06	4.38E-07	3.88E-07	8.27E-07	3.27E-07	1.98E-07	5.26E-07
2451	562863.78	4234546.53	3.33E-06	2.75E-06	6.08E-06	5.66E-07	4.40E-07	1.01E-06	2.69E-06	2.01E-06	4.71E-06	4.41E-07	3.91E-07	8.32E-07	3.29E-07	2.00E-07	5.29E-07
2452	562867.93	4234538.51	3.36E-06	2.77E-06	6.12E-06	5.70E-07	4.43E-07	1.01E-06	2.71E-06	2.03E-06	4.74E-06	4.44E-07	3.93E-07	8.37E-07	3.32E-07	2.01E-07	5.33E-07
2453	562872.08	4234530.49	3.39E-06	2.79E-06	6.18E-06	5.75E-07	4.47E-07	1.02E-06	2.73E-06	2.05E-06	4.78E-06	4.48E-07	3.97E-07	8.45E-07	3.34E-07	2.03E-07	5.37E-07
2454	562876.22	4234522.47	3.42E-06	2.82E-06	6.24E-06	5.81E-07	4.52E-07	1.03E-06	2.76E-06	2.07E-06	4.83E-06	4.53E-07	4.01E-07	8.54E-07	3.38E-07	2.05E-07	5.43E-07
2455	562880.37	4234514.45	3.46E-06	2.85E-06	6.32E-06	5.88E-07	4.57E-07	1.05E-06	2.80E-06	2.09E-06	4.89E-06	4.58E-07	4.06E-07	8.64E-07	3.42E-07	2.07E-07	5.49E-07
2456	562884.52	4234506.43	3.49E-06	2.88E-06	6.37E-06	5.93E-07	4.61E-07	1.05E-06	2.82E-06	2.11E-06	4.93E-06	4.62E-07	4.09E-07	8.71E-07	3.45E-07	2.09E-07	5.54E-07
2457	562888.66	4234498.42	3.53E-06	2.91E-06	6.45E-06	6.00E-07	4.67E-07	1.07E-06	2.85E-06	2.14E-06	4.99E-06	4.67E-07	4.14E-07	8.82E-07	3.49E-07	2.12E-07	5.61E-07
2458	562892.81	4234490.4	3.59E-06	2.96E-06	6.54E-06	6.09E-07	4.74E-07	1.08E-06	2.90E-06	2.17E-06	5.06E-06	4.74E-07	4.20E-07	8.95E-07	3.54E-07	2.15E-07	5.69E-07
2459	562896.96	4234482.38	3.66E-06	3.02E-06	6.68E-06	6.21E-07	4.84E-07	1.11E-06	2.96E-06	2.21E-06	5.17E-06	4.84E-07	4.29E-07	9.14E-07	3.62E-07	2.19E-07	5.81E-07
2460	562901.1	4234474.36	3.76E-06	3.10E-06	6.86E-06	6.38E-07	4.97E-07	1.14E-06	3.04E-06	2.27E-06	5.31E-06	4.97E-07	4.41E-07	9.38E-07	3.72E-07	2.25E-07	5.97E-07
2461	562905.25	4234466.34	3.87E-06	3.19E-06	7.06E-06	6.57E-07	5.11E-07	1.17E-06	3.12E-06	2.34E-06	5.46E-06	5.12E-07	4.53E-07	9.65E-07	3.82E-07	2.32E-07	6.14E-07
2462	562909.4	4234458.32	3.98E-06	3.28E-06	7.26E-06	6.76E-07	5.26E-07	1.20E-06	3.22E-06	2.41E-06	5.62E-06	5.27E-07	4.67E-07	9.93E-07	3.93E-07	2.38E-07	6.32E-07
2463	562913.54	4234450.3	4.10E-06	3.38E-06	7.47E-06	6.95E-07	5.41E-07	1.24E-06	3.31E-06	2.48E-06	5.78E-06	5.42E-07	4.80E-07	1.02E-06	4.05E-07	2.45E-07	6.50E-07
2464	562917.69	4234442.29	4.21E-06	3.47E-06	7.68E-06	7.15E-07	5.56E-07	1.27E-06	3.40E-06	2.55E-06	5.95E-06	5.57E-07	4.94E-07	1.05E-06	4.16E-07	2.52E-07	6.68E-07
2465	562930.43	4234431.52	4.56E-06	3.76E-06	8.32E-06	7.74E-07	6.03E-07	1.38E-06	3.68E-06	2.76E-06	6.44E-06	6.03E-07	5.35E-07	1.14E-06	4.51E-07	2.73E-07	7.24E-07
2466	562947.63	4234426.01	5.04E-06	4.15E-06	9.19E-06	8.55E-07	6.66E-07	1.52E-06	4.07E-06	3.05E-06	7.11E-06	6.66E-07	5.91E-07	1.26E-06	4.98E-07	3.02E-07	7.99E-07
2467	562982.02	4234415	5.89E-06	4.85E-06	1.07E-05	1.00E-06	7.78E-07	1.78E-06	4.76E-06	3.56E-06	8.32E-06	7.79E-07	6.90E-07	1.47E-06	5.82E-07	3.53E-07	9.34E-07
2468	562999.22	4234409.5	6.18E-06	5.09E-06	1.13E-05	1.05E-06	8.16E-07	1.87E-06	4.99E-06	3.74E-06	8.73E-06	8.17E-07	7.24E-07	1.54E-06	6.10E-07	3.70E-07	9.80E-07
2469	563007.81	4234406.75	6.27E-06	5.17E-06	1.14E-05	1.06E-06	8.29E-07	1.89E-06	5.07E-06	3.79E-06	8.86E-06	8.30E-07	7.35E-07	1.57E-06	6.20E-07	3.76E-07	9.95E-07
2470	563025.01	4234401.24	6.34E-06	5.22E-06	1.16E-05	1.08E-06	8.37E-07	1.91E-06	5.12E-06	3.83E-06	8.95E-06	8.38E-07	7.43E-07	1.58E-06	6.26E-07	3.79E-07	1.01E-06
2471	563042.21	4234395.74	6.23E-06	5.13E-06	1.14E-05	1.06E-06	8.22E-07	1.88E-06	5.03E-06	3.76E-06	8.79E-06	8.24E-07	7.30E-07	1.55E-06	6.15E-07	3.73E-07	9.88E-07
2472	563059.4	4234390.24	5.95E-06	4.90E-06	1.09E-05	1.01E-06	7.86E-07	1.80E-06	4.81E-06	3.60E-06	8.40E-06	7.87E-07	6.97E-07	1.48E-06	5.88E-07	3.56E-07	9.44E-07
2473	563076.6	4234384.73	5.54E-06	4.57E-06	1.01E-05	9.40E-07	7.32E-07	1.67E-06	4.47E-06	3.35E-06	7.82E-06	7.33E-07	6.49E-07	1.38E-06	5.47E-07	3.32E-07	8.79E-07
2474	563093.79	4234379.23	5.05E-06	4.16E-06	9.21E-06	8.56E-07	6.67E-07	1.52E-06	4.08E-06	3.05E-06	7.13E-06	6.67E-07	5.91E-07	1.26E-06	4.98E-07	3.02E-07	8.01E-07
2475	562830.61	4234610.68	3.20E-06	2.63E-06	5.83E-06	5.42E-07	4.22E-07	9.64E-07	2.58E-06	1.93E-06	4.51E-06	4.23E-07	3.74E-07	7.97E-07	3.16E-07	1.91E-07	5.07E-07
2476	562829.81	4234619.99	3.21E-06	2.65E-06	5.86E-06	5.45E-07	4.24E-07	9.70E-07	2.59E-06	1.94E-06	4.54E-06	4.25E-07	3.77E-07	8.02E-07	3.17E-07	1.92E-07	5.10E-07
2477	562829.01	4234629.31	3.22E-06	2.66E-06	5.88E-06	5.47E-07	4.26E-07	9.73E-07	2.60E-06	1.95E-06	4.55E-06	4.26E-07	3.78E-07	8.04E-07	3.18E-07	1.93E-07	5.11E-07
2478	562828.21	4234638.63	3.21E-06	2.64E-06	5.85E-06	5.44E-07	4.23E-07	9.67E-07	2.59E-06	1.94E-06	4.53E-06	4.24E-07	3.76E-07	8.00E-07	3.17E-07	1.92E-07	5.08E-07
2479	562827.42	4234647.95	3.11E-06	2.57E-06	5.68E-06	5.28E-07	4.11E-07	9.40E-07	2.51E-06	1.88E-06	4.40E-06	4.12E-07	3.65E-07	7.77E-07	3.08E-07	1.86E-07	4.94E-07
2480	562826.62	4234657.26	3.02E-06	2.49E-06	5.51E-06	5.12E-07	3.99E-07	9.11E-07	2.44E-06	1.82E-06	4.26E-06	3.99E-07	3.54E-07	7.53E-07	2.98E-07	1.81E-07	4.79E-07
2481	562825.82	4234666.58	2.92E-06	2.41E-06	5.33E-06	4.96E-07	3.86E-07	8.82E-07	2.36E-06	1.77E-06	4.13E-06	3.87E-07	3.43E-07	7.29E-07	2.89E-07	1.75E-07	4.64E-07
2482	562825.02	4234675.9	2.89E-06	2.38E-06	5.26E-06	4.90E-07	3.81E-07	8.71E-07	2.33E-06	1.74E-06	4.07E-06	3.82E-07	3.38E-07	7.20E-07	2.85E-07	1.73E-07	4.58E-07
2483	562824.23	4234685.22	2.84E-06	2.34E-06	5.17E-06	4.81E-07	3.75E-07	8.56E-07	2.29E-06	1.71E-06	4.00E-06	3.75E-07	3.32E-07	7.08E-07	2.80E-07	1.70E-07	4.50E-07
2484	562823.43	4234694.53	2.78E-06	2.29E-06	5.07E-06	4.72E-07	3.67E-07	8.39E-07	2.25E-06	1.68E-06	3.93E-06	3.68E-07	3.26E-07	6.94E-07	2.75E-07	1.66E-07	4.41E-07
2485	562822.63	4234703.85	2.72E-06	2.24E-06	4.96E-06	4.62E-07	3.59E-07	8.21E-07	2.20E-06	1.64E-06	3.84E-06	3.60E-07	3.19E-07	6.79E-07	2.69E-07	1.63E-07	4.32E-07
2486	562821.83	4234713.17	2.65E-06	2.19E-06	4.84E-06	4.50E-07	3.50E-07	8.01E-07	2.14E-06	1.60E-06	3.75E-06	3.51E-07	3.11E-07	6.62E-07	2.62E-07	1.59E-07	4.21E-07
2487	562821.04	4234722.49	2.58E-06	2.13E-06	4.71E-06	4.38E-07	3.41E-07	7.79E-07	2.08E-06	1.56E-06	3.64E-06	3.41E-07	3.02E-07	6.44E-07	2.55E-07	1.54E-07	4.09E-07
2488	562814.95	4234600.71	2.91E-06	2.40E-06	5.31E-06	4.94E-07	3.85E-07	8.79E-07	2.35E-06	1.76E-06	4.11E-06	3.85E-07	3.41E-07	7.27E-07	2.88E-07	1.74E-07	4.62E-07
2489	562819.22	4234592.45	2.97E-06	2.45E-06	5.41E-06	5.04E-07	3.92E-07	8.96E-07	2.40E-06	1.79E-06	4.19E-06	3.93E-07	3.48E-07	7.40E-07	2.93E-07	1.78E-07	4.71E-07
2490	562823.49	4234584.19	3.00E-06	2.47E-06	5.47E-06	5.09E-07	3.96E-07	9.05E-07	2.42E-06	1.81E-06	4.23E-06	3.97E-07	3.52E-07	7.48E-07	2.96E-07	1.80E-07	4.76E-07
2491	562827.77	4234575.93	3.01E-06	2.48E-06	5.48E-06	5.10E-07	3.97E-07	9.07E-07	2.43E-06	1.82E-06	4.25E-06	3.98E-07	3.52E-07	7.50E-07	2.97E-07	1.80E-07	4.77E-07
2492	562832.04	4234567.67	3.01E-06	2.48E-06	5.50E-06	5.11E-07	3.98E-07	9.09E-07	2.43E-06	1.82E-06	4.25E-06	3.99E-07	3.53E-07	7.52E-07	2.98E-07	1.80E-07	4.78E-07
2493	562836.31	4234559.41	3.02E-06	2.49E-06	5.51E-06	5.12E-07	3.99E-07	9.11E-07	2.44E-06	1.83E-06	4.26E-06	3.99E-07	3.54E-07	7.53E-07	2.98E-07	1.81E-07	4.79E-07
2494	562840.58	4234551.15	3.03E-06	2.49E-06	5.52E-06	5.14E-07	4.00E-07	9.13E-07	2.44E-06	1.83E-06	4.27E-06	4.00E-07	3.55E-07	7.55E-07	2.99E-07	1.81E-07	4.80E-07
2495	562844.85	4234542.89	3.03E-06	2.50E-06	5.53E-06	5.15E-07	4.01E-07	9.15E-07	2.45E-06	1.83E-06	4.28E-06	4.01E-07	3.56E-07	7.57E-07	3.00E-07	1.82E-07	4.81E-07
2496	562849.12	4234534.63	3.04E-06	2.51E-06	5.55E-06	5.16E-07	4.02E-07	9.18E-07	2.46E-06	1.84E-06	4.30E-06	4.03E-07	3.57E-07	7.59E-07	3.01E-07	1.82E-07	4.83E-07
2497	562853.4	4234526.37	3.07E-06	2.53E-06	5.59E-06	5.20E-07	4.05E-07	9.25E-07	2.48E-06	1.85E-06	4.33E-06	4.05E-07	3.59E-07	7.65E-07	3.03E-07	1.84E-07	4.86E-07
2498	562857.67	4234518.11	3.09E-06	2.55E-06	5.64E-06	5.24E-07	4.08E-07	9.33E-07	2.50E-06	1.87E-06	4.36E-06	4.09E-07	3.62E-07	7.71E-07	3.05E-07	1.85E-07	4.90E-07
2499	562861.94	4234509.85	3.11E-06	2.56E-06	5.66E-06	5.27E-07	4.10E-07	9.37E-07	2.51E-06	1.88E-06	4.38E-06	4.11E-07	3.64E-07	7.75E-07	3.07E-07	1.86E-07	4.93E-07
2500	562866.21	4234501.59	3.12E-06	2.57E-06	5.70E-06	5.30E-07	4.12E-07	9.42E-07	2.52E-06	1.89E-06	4.41E-06	4.13E-07	3.66E-07	7.79E-07	3.08E-07	1.87E-07	4.95E-07
2501	562870.48	4234493.33	3.15E-06	2.60E-06	5.75E-06	5.35E-07	4.16E-07	9.51E-07	2.55E-06	1.91E-06	4.45E-06	4.17E-07	3.69E-07	7.86E-07	3.11E-07	1.89E-07	5.00E-07
2502	562874.75	4234485.07	3.20E-06	2.63E-06	5.83E-06	5.42E-07	4.22E-07	9.64E-07	2.58E-06	1.93E-06	4.51E-06	4.23E-07	3.75E-07	7.97E-07	3.16E-07	1.91E-07	5.07E-07
2503	562879.03	4234476.81	3.27E-06	2.70E-06	5.97E-06	5.55E-07	4.32E-07	9.87E-07	2.64E-06	1.98E-06	4.62E-06	4.33E-07	3.83E-07	8.16E-07	3.23E-07	1.96E-07	5.19E-07
2504	562883.3	4234468.55	3.36E-06	2.77E-06	6.13E-06	5.70E-07	4.44E-07	1.01E-06	2.71E-06	2.03E-06	4.74E-06	4.44E-07	3.94E-07	8.38E-07	3.32E-07	2.01E-07	5.33E-07
2505	562887.57	4234460.29	3.45E-06	2.85E-06	6.30E-06	5.86E-07	4.56E-07	1.04E-06	2.79E-06	2.09E-06	4.88E-06	4.57E-07	4.05E-07	8.62E-07	3.41E-07	2.07E-07	5.48E-07
2506	562891.84	4234452.03	3.56E-06	2.93E-06	6.49E-06	6.03E-07	4.70E-07	1.07E-06	2.87E-06	2.15E-06	5.02E-06	4.70E-07	4.17E-07	8.87E-07	3.51E-07	2.13E-07	5.64E-07
2507	562896.11	4234443.77	3.66E-06	3.02E-06	6.68E-06	6.22E-07	4.84E-07	1.11E-06	2.96E-06	2.21E-06	5.17E-06	4.85E-07	4.29E-07	9.14E-07	3.62E-07	2.19E-07	5.81E-07

2508	562900.38	4234435.51	3.77E-06	3.11E-06	6.88E-06	6.40E-07	4.98E-07	1.14E-06	3.05E-06	2.28E-06	5.33E-06	4.99E-07	4.42E-07	9.41E-07	3.73E-07	2.26E-07	5.99E-07
2509	562904.66	4234427.25	3.88E-06	3.20E-06	7.09E-06	6.59E-07	5.13E-07	1.17E-06	3.14E-06	2.35E-06	5.48E-06	5.14E-07	4.55E-07	9.69E-07	3.84E-07	2.33E-07	6.16E-07
2510	562917.78	4234416.16	4.21E-06	3.47E-06	7.68E-06	7.15E-07	5.56E-07	1.27E-06	3.40E-06	2.55E-06	5.95E-06	5.57E-07	4.94E-07	1.05E-06	4.16E-07	2.52E-07	6.68E-07
2511	562926.64	4234413.32	4.44E-06	3.66E-06	8.09E-06	7.53E-07	5.86E-07	1.34E-06	3.58E-06	2.68E-06	6.26E-06	5.87E-07	5.20E-07	1.11E-06	4.38E-07	2.66E-07	7.04E-07
2512	562935.5	4234410.49	4.66E-06	3.84E-06	8.50E-06	7.91E-07	6.16E-07	1.41E-06	3.76E-06	2.82E-06	6.58E-06	6.16E-07	5.46E-07	1.16E-06	4.60E-07	2.79E-07	7.39E-07
2513	562944.35	4234407.65	4.88E-06	4.02E-06	8.90E-06	8.28E-07	6.45E-07	1.47E-06	3.94E-06	2.95E-06	6.89E-06	6.46E-07	5.72E-07	1.22E-06	4.82E-07	2.92E-07	7.74E-07
2514	562953.21	4234404.82	5.09E-06	4.20E-06	9.29E-06	8.64E-07	6.73E-07	1.54E-06	4.11E-06	3.08E-06	7.19E-06	6.74E-07	5.97E-07	1.27E-06	5.03E-07	3.05E-07	8.08E-07
2515	562979.78	4234396.31	5.63E-06	4.64E-06	1.03E-05	9.56E-07	7.44E-07	1.70E-06	4.55E-06	3.40E-06	7.95E-06	7.45E-07	6.60E-07	1.40E-06	5.56E-07	3.37E-07	8.93E-07
2516	562988.64	4234393.48	5.76E-06	4.75E-06	1.05E-05	9.78E-07	7.61E-07	1.74E-06	4.65E-06	3.48E-06	8.13E-06	7.62E-07	6.75E-07	1.44E-06	5.69E-07	3.45E-07	9.14E-07
2517	562997.49	4234390.64	5.86E-06	4.83E-06	1.07E-05	9.94E-07	7.74E-07	1.77E-06	4.73E-06	3.54E-06	8.27E-06	7.75E-07	6.87E-07	1.46E-06	5.79E-07	3.51E-07	9.29E-07
2518	563006.35	4234387.81	5.92E-06	4.88E-06	1.08E-05	1.00E-06	7.82E-07	1.79E-06	4.78E-06	3.58E-06	8.36E-06	7.83E-07	6.94E-07	1.48E-06	5.85E-07	3.54E-07	9.39E-07
2519	563015.21	4234384.98	5.94E-06	4.89E-06	1.08E-05	1.01E-06	7.85E-07	1.79E-06	4.80E-06	3.59E-06	8.39E-06	7.86E-07	6.96E-07	1.48E-06	5.87E-07	3.56E-07	9.42E-07
2520	563024.06	4234382.14	5.92E-06	4.88E-06	1.08E-05	1.00E-06	7.82E-07	1.79E-06	4.78E-06	3.58E-06	8.36E-06	7.83E-07	6.94E-07	1.48E-06	5.85E-07	3.54E-07	9.39E-07
2521	563032.92	4234379.31	5.86E-06	4.83E-06	1.07E-05	9.94E-07	7.74E-07	1.77E-06	4.73E-06	3.54E-06	8.27E-06	7.75E-07	6.87E-07	1.46E-06	5.79E-07	3.51E-07	9.29E-07
2522	563041.78	4234376.47	5.76E-06	4.75E-06	1.05E-05	9.77E-07	7.61E-07	1.74E-06	4.65E-06	3.48E-06	8.13E-06	7.62E-07	6.75E-07	1.44E-06	5.69E-07	3.45E-07	9.14E-07
2523	563050.63	4234373.64	5.62E-06	4.63E-06	1.03E-05	9.54E-07	7.43E-07	1.70E-06	4.54E-06	3.40E-06	7.94E-06	7.44E-07	6.59E-07	1.40E-06	5.55E-07	3.37E-07	8.92E-07
2524	563059.49	4234370.8	5.45E-06	4.49E-06	9.94E-06	9.25E-07	7.20E-07	1.65E-06	4.40E-06	3.29E-06	7.70E-06	7.21E-07	6.39E-07	1.36E-06	5.38E-07	3.26E-07	8.65E-07
2525	563068.35	4234367.97	5.25E-06	4.33E-06	9.58E-06	8.91E-07	6.94E-07	1.59E-06	4.24E-06	3.18E-06	7.42E-06	6.95E-07	6.16E-07	1.31E-06	5.19E-07	3.14E-07	8.33E-07
2526	563077.2	4234365.13	5.03E-06	4.15E-06	9.18E-06	8.54E-07	6.65E-07	1.52E-06	4.06E-06	3.04E-06	7.11E-06	6.66E-07	5.90E-07	1.26E-06	4.97E-07	3.01E-07	7.98E-07
2527	563086.06	4234362.3	4.80E-06	3.95E-06	8.75E-06	8.14E-07	6.34E-07	1.45E-06	3.87E-06	2.90E-06	6.77E-06	6.35E-07	5.62E-07	1.20E-06	4.74E-07	2.87E-07	7.61E-07
2528	563094.92	4234359.46	4.55E-06	3.75E-06	8.30E-06	7.72E-07	6.01E-07	1.37E-06	3.67E-06	2.75E-06	6.42E-06	6.02E-07	5.33E-07	1.13E-06	4.49E-07	2.72E-07	7.22E-07
2529	563103.77	4234356.63	4.27E-06	3.52E-06	7.78E-06	7.24E-07	5.64E-07	1.29E-06	3.45E-06	2.58E-06	6.03E-06	5.64E-07	5.00E-07	1.06E-06	4.21E-07	2.55E-07	6.77E-07
2530	562810.68	4234608.97	2.85E-06	2.35E-06	5.19E-06	4.83E-07	3.76E-07	8.59E-07	2.30E-06	1.72E-06	4.02E-06	3.77E-07	3.34E-07	7.10E-07	2.81E-07	1.70E-07	4.52E-07
2531	562809.88	4234618.29	2.86E-06	2.36E-06	5.21E-06	4.85E-07	3.78E-07	8.63E-07	2.31E-06	1.73E-06	4.04E-06	3.78E-07	3.35E-07	7.13E-07	2.82E-07	1.71E-07	4.53E-07
2532	562809.09	4234627.61	2.86E-06	2.36E-06	5.22E-06	4.86E-07	3.78E-07	8.64E-07	2.31E-06	1.73E-06	4.04E-06	3.79E-07	3.35E-07	7.14E-07	2.83E-07	1.71E-07	4.54E-07
2533	562808.29	4234636.92	2.86E-06	2.35E-06	5.21E-06	4.85E-07	3.77E-07	8.62E-07	2.31E-06	1.73E-06	4.03E-06	3.78E-07	3.35E-07	7.12E-07	2.82E-07	1.71E-07	4.53E-07
2534	562807.49	4234646.24	2.81E-06	2.31E-06	5.12E-06	4.77E-07	3.71E-07	8.48E-07	2.27E-06	1.70E-06	3.97E-06	3.72E-07	3.29E-07	7.01E-07	2.77E-07	1.68E-07	4.46E-07
2535	562806.69	4234655.56	2.76E-06	2.27E-06	5.03E-06	4.68E-07	3.65E-07	8.33E-07	2.23E-06	1.67E-06	3.90E-06	3.65E-07	3.24E-07	6.89E-07	2.73E-07	1.65E-07	4.38E-07
2536	562805.9	4234664.88	2.71E-06	2.23E-06	4.94E-06	4.60E-07	3.58E-07	8.18E-07	2.19E-06	1.64E-06	3.83E-06	3.58E-07	3.18E-07	6.76E-07	2.68E-07	1.62E-07	4.30E-07
2537	562805.1	4234674.19	2.67E-06	2.20E-06	4.88E-06	4.54E-07	3.53E-07	8.07E-07	2.16E-06	1.62E-06	3.78E-06	3.54E-07	3.13E-07	6.67E-07	2.64E-07	1.60E-07	4.24E-07
2538	562804.3	4234683.51	2.63E-06	2.17E-06	4.80E-06	4.47E-07	3.48E-07	7.95E-07	2.13E-06	1.59E-06	3.72E-06	3.48E-07	3.09E-07	6.57E-07	2.60E-07	1.58E-07	4.18E-07
2539	562803.5	4234692.83	2.58E-06	2.13E-06	4.71E-06	4.38E-07	3.41E-07	7.79E-07	2.09E-06	1.56E-06	3.65E-06	3.42E-07	3.03E-07	6.44E-07	2.55E-07	1.55E-07	4.10E-07
2540	562802.71	4234702.15	2.55E-06	2.10E-06	4.65E-06	4.33E-07	3.37E-07	7.69E-07	2.06E-06	1.54E-06	3.60E-06	3.37E-07	2.99E-07	6.36E-07	2.52E-07	1.53E-07	4.04E-07
2541	562801.91	4234711.46	2.53E-06	2.08E-06	4.61E-06	4.29E-07	3.34E-07	7.62E-07	2.04E-06	1.53E-06	3.57E-06	3.34E-07	2.96E-07	6.30E-07	2.49E-07	1.51E-07	4.01E-07
2542	562801.11	4234720.78	2.50E-06	2.06E-06	4.56E-06	4.24E-07	3.30E-07	7.54E-07	2.02E-06	1.51E-06	3.53E-06	3.31E-07	2.93E-07	6.24E-07	2.47E-07	1.50E-07	3.97E-07
2543	562794.96	4234599.12	2.60E-06	2.14E-06	4.75E-06	4.42E-07	3.44E-07	7.85E-07	2.10E-06	1.57E-06	3.67E-06	3.44E-07	3.05E-07	6.49E-07	2.57E-07	1.56E-07	4.13E-07
2544	562799.17	4234590.98	2.68E-06	2.21E-06	4.89E-06	4.55E-07	3.54E-07	8.10E-07	2.17E-06	1.62E-06	3.79E-06	3.55E-07	3.14E-07	6.69E-07	2.65E-07	1.61E-07	4.26E-07
2545	562803.38	4234582.84	2.75E-06	2.26E-06	5.01E-06	4.66E-07	3.63E-07	8.29E-07	2.22E-06	1.66E-06	3.88E-06	3.63E-07	3.22E-07	6.85E-07	2.71E-07	1.64E-07	4.36E-07
2546	562807.6	4234574.7	2.78E-06	2.29E-06	5.08E-06	4.72E-07	3.68E-07	8.40E-07	2.25E-06	1.68E-06	3.93E-06	3.68E-07	3.26E-07	6.94E-07	2.75E-07	1.67E-07	4.42E-07
2547	562811.81	4234566.56	2.78E-06	2.29E-06	5.06E-06	4.71E-07	3.67E-07	8.38E-07	2.24E-06	1.68E-06	3.92E-06	3.67E-07	3.25E-07	6.92E-07	2.74E-07	1.66E-07	4.40E-07
2548	562816.02	4234558.41	2.77E-06	2.29E-06	5.06E-06	4.71E-07	3.66E-07	8.37E-07	2.24E-06	1.68E-06	3.92E-06	3.67E-07	3.25E-07	6.92E-07	2.74E-07	1.66E-07	4.40E-07
2549	562820.23	4234550.27	2.78E-06	2.29E-06	5.07E-06	4.71E-07	3.67E-07	8.38E-07	2.24E-06	1.68E-06	3.92E-06	3.67E-07	3.25E-07	6.93E-07	2.74E-07	1.66E-07	4.41E-07
2550	562824.44	4234542.13	2.78E-06	2.29E-06	5.06E-06	4.71E-07	3.67E-07	8.38E-07	2.24E-06	1.68E-06	3.92E-06	3.67E-07	3.25E-07	6.92E-07	2.74E-07	1.66E-07	4.40E-07
2551	562828.65	4234533.99	2.76E-06	2.28E-06	5.04E-06	4.69E-07	3.65E-07	8.33E-07	2.23E-06	1.67E-06	3.90E-06	3.65E-07	3.24E-07	6.89E-07	2.73E-07	1.65E-07	4.38E-07
2552	562832.86	4234525.85	2.76E-06	2.27E-06	5.03E-06	4.68E-07	3.64E-07	8.32E-07	2.23E-06	1.67E-06	3.89E-06	3.65E-07	3.23E-07	6.88E-07	2.72E-07	1.65E-07	4.37E-07
2553	562837.07	4234517.7	2.76E-06	2.28E-06	5.04E-06	4.69E-07	3.65E-07	8.34E-07	2.23E-06	1.67E-06	3.90E-06	3.65E-07	3.24E-07	6.89E-07	2.73E-07	1.65E-07	4.38E-07
2554	562841.28	4234509.56	2.78E-06	2.29E-06	5.07E-06	4.72E-07	3.67E-07	8.39E-07	2.24E-06	1.68E-06	3.92E-06	3.68E-07	3.26E-07	6.93E-07	2.75E-07	1.66E-07	4.41E-07
2555	562845.49	4234501.42	2.80E-06	2.30E-06	5.10E-06	4.75E-07	3.69E-07	8.44E-07	2.26E-06	1.69E-06	3.95E-06	3.70E-07	3.28E-07	6.98E-07	2.76E-07	1.67E-07	4.44E-07
2556	562849.7	4234493.28	2.82E-06	2.32E-06	5.14E-06	4.78E-07	3.72E-07	8.50E-07	2.27E-06	1.70E-06	3.98E-06	3.73E-07	3.30E-07	7.03E-07	2.78E-07	1.69E-07	4.47E-07
2557	562853.91	4234485.14	2.84E-06	2.34E-06	5.19E-06	4.83E-07	3.76E-07	8.58E-07	2.30E-06	1.72E-06	4.02E-06	3.76E-07	3.33E-07	7.09E-07	2.81E-07	1.70E-07	4.51E-07
2558	562858.12	4234476.99	2.90E-06	2.39E-06	5.28E-06	4.92E-07	3.83E-07	8.74E-07	2.34E-06	1.75E-06	4.09E-06	3.83E-07	3.40E-07	7.23E-07	2.86E-07	1.73E-07	4.60E-07
2559	562862.33	4234468.85	2.96E-06	2.44E-06	5.40E-06	5.02E-07	3.91E-07	8.93E-07	2.39E-06	1.79E-06	4.18E-06	3.92E-07	3.47E-07	7.38E-07	2.92E-07	1.77E-07	4.70E-07
2560	562866.54	4234460.71	3.03E-06	2.50E-06	5.53E-06	5.15E-07	4.01E-07	9.15E-07	2.45E-06	1.83E-06	4.28E-06	4.01E-07	3.56E-07	7.57E-07	3.00E-07	1.82E-07	4.81E-07
2561	562870.75	4234452.57	3.12E-06	2.57E-06	5.68E-06	5.29E-07	4.11E-07	9.40E-07	2.52E-06	1.88E-06	4.40E-06	4.12E-07	3.65E-07	7.77E-07	3.08E-07	1.86E-07	4.94E-07
2562	562874.96	4234444.43	3.20E-06	2.64E-06	5.84E-06	5.44E-07	4.23E-07	9.67E-07	2.59E-06	1.94E-06	4.52E-06	4.24E-07	3.76E-07	7.99E-07	3.16E-07	1.92E-07	5.08E-07
2563	562879.18	4234436.28	3.30E-06	2.72E-06	6.02E-06	5.60E-07	4.36E-07	9.96E-07	2.66E-06	1.99E-06	4.66E-06	4.36E-07	3.87E-07	8.23E-07	3.26E-07	1.97E-07	5.23E-07
2564	562883.39	4234428.14	3.40E-06	2.80E-06	6.20E-06	5.77E-07	4.49E-07	1.03E-06	2.74E-06	2.05E-06	4.80E-06	4.49E-07	3.98E-07	8.47E-07	3.36E-07	2.03E-07	5.39E-07
2565	562887.6	4234420	3.50E-06	2.88E-06	6.38E-06	5.94E-07	4.62E-07	1.06E-06	2.82E-06	2.11E-06	4.94E-06	4.63E-07	4.10E-07	8.73E-07	3.45E-07	2.09E-07	5.55E-07
2566	562891.81	4234411.86	3.60E-06	2.96E-06	6.56E-06	6.11E-07	4.75E-07	1.09E-06	2.91E-06	2.17E-06	5.08E-06	4.76E-07	4.22E-07	8.98E-07	3.55E-07	2.15E-07	5.71E-07
2567	562904.75	4234400.92	3.90E-06	3.21E-06	7.10E-06	6.61E-07	5.14E-07	1.18E-06	3.14E-06	2.35E-06	5.50E-06	5.15E-07	4.56E-07	9.72E-07	3.85E-07	2.33E-07	6.18E-07
2568	562913.48	4234398.13	4.10E-06	3.37E-06	7.47E-06	6.95E-07	5.41E-07	1.24E-06	3.31E-06	2.48E-06	5.78E-06	5.42E-07	4.80E-07	1.02E-06	4.05E-07	2.45E-07	6.50E-07
2569	562922.21	4234395.33	4.30E-06	3.54E-06	7.84E-06	7.29E-07	5.68E-07	1.30E-06	3.47E-06	2.60E-06	6.07E-06	5.68E-07	5.04E-07	1.07E-06	4.24E-07	2.57E-07	6.82E-07
2570	562930.94	4234392.54	4.50E-06	3.71E-06	8.20E-06	7.63E-07	5.94E-07	1.36E-06	3.63E-06	2.72E-06	6.35E-06	5.95E-07	5.27E-07	1.12E-06	4.44E-07	2.69E-07	7.13E-07
2571	562939.67	4234389.74	4.69E-06	3.87E-06	8.56E-06	7.96E-07	6.20E-07	1.42E-06	3.79E-06	2.84E-06	6.62E-06	6.21E-07	5.50E-07	1.17E-06	4.63E-07	2.81E-07	7.44E-07
2572	562948.4	4234386.95	4.88E-06	4.02E-06	8.90E-06	8.28E-07	6.44E-07	1.47E-06	3.94E-06	2.95E-06	6.89E-06	6.45E-07	5.72E-07	1.22E-06	4.82E-07	2.92E-07	7.74E-07
2573	562957.13	4234384.16	5.05E-06	4.16E-06	9.21E-06	8.57E-07	6.67E-07	1.52E-06	4.08E-06	3.05E-06	7.13E-06	6.68E-07	5.92E-07	1.26E-06	4.99E-07	3.02E-07	8.01E-07
2574	562983.32	4234375.77	5.44E-06	4.49E-06	9.93E-06	9.24E-07	7.19E-07	1.64E-06	4.40E-06	3.29E-06	7.69E-06	7.20E-07	6.38E-07	1.36E-06	5.38E-07	3.26E-07	8.64E-07
2575	562992.05	4234372.98	5.52E-06	4.55E-06	1.01E-05	9.37E-07	7.29E-07	1.67E-06	4.46E-06	3.34E-06	7.80E-06	7.30E-07	6.47E-07	1.38E-06	5.45E-07	3.31E-07	8.76E-07
2576	563000.78	4234370.19	5.57E-06	4.59E-06	1.02E-05	9.45E-07	7.36E-07	1.68E-06	4.50E-06	3.37E-06	7.86E-06	7.36E-07	6.53E-07	1.39E-06	5.50E-07	3.33E-07	8.83E-07
2577	563009.51	4234367.39	5.58E-06	4.60E-06	1.02E-05	9.47E-07	7.37E-07	1.68E-06	4.51E-06	3.37E-06	7.88E-06	7.38E-07	6.54E-07	1.39E-06	5.51E-07	3.34E-07	8.85E-07
2578	563018.24	4234364.6	5.56E-06	4.58E-06	1.01E-05	9.43E-07	7.34E-07	1.68E-06	4.49E-06	3.36E-06	7.85E-06	7.35E-07	6.51E-07	1.39E-06	5.49E-07	3.33E-07	8.81E-07
2579	563026.97	4234361.8	5.50E-06	4.53E-06	1.00E-05	9.33E-07	7.26E-07	1.66E-06	4.44E-06	3.32E-06	7.76E-06	7.27E-07	6.44E-07	1.37E-06	5.43E-07	3.29E-07	8.72E-07
2580	563035.7	4234359.01	5.41E-06	4.45E-06	9.86E-06	9.17E-07	7.14E-07	1.63E-06	4.36E-06	3.27E-06	7.63E-06	7.15E-07	6.34E-07	1.35E-06	5.34E-07	3.24E-07	8.57E-07
2581	563044.43	4234356.21	5.28E-06	4.35E-06	9.63E-06	8.96E-07	6.98E-07	1.59E-06	4.26E-06	3.19E-06	7.46E-06	6.98E-07	6.19E-07	1.32E-06	5.22E-07	3.16E-07	8.38E-07
2582	563053.16	4234353.42	5.13E-06	4.23E-06	9.35E-06	8.70E-07	6.77E-07	1.55E-06	4.14E-06	3.10E-06	7.24E-06	6.78E-07	6.01E-07	1.28E-06	5.07E-07	3.07E-07	8.14E-07
2583	563061.89	4234350.63	4.95E-06	4.08E-06	9.03E-06	8.40E-07	6.54E-07	1.49E-06	4.00E-06	2.99E-06	6.99E-06	6.55E-07	5.80E-07	1.24E-06	4.89E-07	2.96E-07	7.85E-07
2584	563070.62	4234347.83	4.76E-06	3.92E-06	8.67E-06	8.07E-07	6.28E-07	1.44E-06	3.84E-06	2.87E-06	6.71E-06	6.29E-07	5.57E-07	1.19E-06	4.70E-07	2.85E-07	7.54E-07
2585	563079.35	4234345.04	4.55E-06	3.75E-06	8.29E-06	7.71E-07	6.00E-07	1.37E-06	3.67E-06	2.75E-06	6.42E-06	6.01E-07	5.33E-07	1.13E-06	4.49E-07	2.72E-07	7.21E-07
2586	563088.08	4234342.24	4.33E-06	3.56E-06	7.89E-06	7.34E-07	5.71E-07	1.31E-06	3.49E-06	2.61E-06	6.11E-06	5.72E-07	5.07E-07	1.08E-06	4.27E-07	2.59E-07	6.86E-07
2587	563096.81	4234339.45	4.09E-06	3.37E-06	7.46E-06	6.94E-07	5.41E-07	1.24E-06	3.30E-06	2.47E-06	5.78E-06	5.41E-07	4.80E-07	1.02E-06	4.04E-07	2.45E-07	6.49E-07
2588	563105.54	4234336.66	3.84E-06	3.17E-06	7.01E-06	6.52E-07	5.07E-07	1.16E-06	3.10E-06	2.32E-06	5.42E-06	5.08E-07	4.50E-07	9.58E-07	3.79E-07	2.30E-07	6.09E-07
2589	562790.75	4234607.27	2.54E-06	2.09E-06	4.63E-06	4.31E-07	3.35E-07	7.66E-07	2.05E-06	1.53E-06	3.59E-06	3.36E-07	2.98E-07	6.33E-07	2.51E-07	1.52E-07	4.03E-07
2590	562789.96	4234616.58	2.56E-06	2.11E-06	4.66E-06	4.34E-07	3.38E-07	7.71E-07	2.06E-06	1.54E-06	3.61E-06	3.38E-07	3.00E-07	6.38E-07	2.52E-07	1.53E-07	4.05E-07
2591	562789.16	4234625.9	2.57E-06	2.11E-06	4.68E-06	4.35E-07	3.39E-07	7.74E-07	2.07E-06	1.55E-06	3.62E-06	3.39E-07	3.01E-07	6.40E-07	2.53E-07	1.54E-07	4.07E-07
2592	562788.36	4234635.22	2.57E-06	2.12E-06	4.69E-06	4.36E-07	3.39E-07	7.75E-07	2.07E-06	1.55E-06	3.63E-06	3.40E-07	3.01E-07	6.41E-07	2.54E-07	1.54E-07	4.07E-07
2593	562787.56	4234644.54	2.57E-06	2.12E-06	4.69E-06	4.37E-07	3.40E-07	7.77E-07	2.08E-06	1.56E-06	3.63E-06	3.40E-07	3.02E-07	6.42E-07	2.54E-07	1.54E-07	4.08E-07
2594	562786.77	4234653.85	2.58E-06	2.12E-06	4.70E-06	4.37E-07	3.40E-07	7.77E-07	2.08E-06	1.56E-06	3.64E-06	3.41E-07	3.02E-07	6.42E-07	2.54E-07	1.54E-07	4.09E-07
2595	562785.97	4234663.17	2.57E-06	2.12E-06	4.69E-06	4.36E-07	3.40E-07	7.76E-07	2.08E-06	1.55E-06	3.63E-06	3.40E-07	3.01E-07	6.41E-07	2.54E-07	1.54E-07	4.08E-07
2596	562785.17	4234672.49	2.55E-06	2.10E-06	4.65E-06	4.33E-07	3.37E-07	7.70E-07	2.06E-06	1.54E-06	3.60E-06	3.37E-07	2.99E-07	6.36E-07	2.52E-07	1.53E-07	4.04E-07
2597	562784.37	4234681.81	2.51E-06	2.07E-06	4.59E-06	4.27E-07	3.32E-07	7.59E-07	2.03E-06	1.52E-06	3.55E-06	3.33E-07	2.95E-07	6.27E-07	2.48E-07	1.50E-07	3.99E-07
2598	562783.58	4234691.12	2.47E-06	2.03E-06	4.50E-06	4.19E-07	3.26E-07	7.45E-07	1.99E-06	1.49E-06	3.49E-06	3.27E-07	2.89E-07	6.16E-07	2.44E-07	1.48E-07	3.92E-07
2599	562782.78	4234700.44	2.43E-06	2.01E-06	4.44E-06	4.13E-07	3.21E-07	7.34E-07	1.97E-06	1.47E-06	3.44E-06	3.22E-07	2.85E-07	6.07E-07	2.40E-07	1.46E-07	3.86E-07
2600	562781.98	4234709.76	2.41E-06	1.98E-06	4.39E-06	4.09E-07	3.18E-07	7.27E-07	1.94E-06	1.46E-06	3.40E-06	3.19E-07	2.82E-07	6.01E-07	2.38E-07	1.44E-07	3.82E-07

2601	562781.18	4234719.08	2.37E-06	1.95E-06	4.33E-06	4.03E-07	3.13E-07	7.16E-07	1.92E-06	1.43E-06	3.35E-06	3.14E-07	2.78E-07	5.92E-07	2.34E-07	1.42E-07	3.76E-07
2602	562755.16	4234595.62	2.25E-06	1.85E-06	4.11E-06	3.82E-07	2.97E-07	6.79E-07	1.82E-06	1.36E-06	3.18E-06	2.98E-07	2.64E-07	5.62E-07	2.22E-07	1.35E-07	3.57E-07
2603	562759.42	4234587.38	2.25E-06	1.86E-06	4.11E-06	3.82E-07	2.97E-07	6.80E-07	1.82E-06	1.36E-06	3.18E-06	2.98E-07	2.64E-07	5.62E-07	2.22E-07	1.35E-07	3.57E-07
2604	562763.68	4234579.14	2.25E-06	1.85E-06	4.10E-06	3.82E-07	2.97E-07	6.79E-07	1.82E-06	1.36E-06	3.18E-06	2.98E-07	2.64E-07	5.61E-07	2.22E-07	1.35E-07	3.57E-07
2605	562767.94	4234570.9	2.27E-06	1.87E-06	4.14E-06	3.85E-07	3.00E-07	6.84E-07	1.83E-06	1.37E-06	3.20E-06	3.00E-07	2.66E-07	5.66E-07	2.24E-07	1.36E-07	3.60E-07
2606	562772.2	4234562.66	2.28E-06	1.88E-06	4.16E-06	3.87E-07	3.01E-07	6.88E-07	1.84E-06	1.38E-06	3.22E-06	3.01E-07	2.67E-07	5.69E-07	2.25E-07	1.36E-07	3.62E-07
2607	562776.46	4234554.42	2.29E-06	1.88E-06	4.17E-06	3.88E-07	3.02E-07	6.90E-07	1.85E-06	1.38E-06	3.23E-06	3.02E-07	2.68E-07	5.70E-07	2.26E-07	1.37E-07	3.63E-07
2608	562780.72	4234546.18	2.29E-06	1.89E-06	4.17E-06	3.88E-07	3.02E-07	6.91E-07	1.85E-06	1.38E-06	3.23E-06	3.03E-07	2.68E-07	5.71E-07	2.26E-07	1.37E-07	3.63E-07
2609	562784.98	4234537.94	2.31E-06	1.90E-06	4.21E-06	3.92E-07	3.05E-07	6.97E-07	1.86E-06	1.40E-06	3.26E-06	3.05E-07	2.71E-07	5.76E-07	2.28E-07	1.38E-07	3.66E-07
2610	562789.24	4234529.7	2.32E-06	1.91E-06	4.23E-06	3.93E-07	3.06E-07	7.00E-07	1.87E-06	1.40E-06	3.27E-06	3.07E-07	2.72E-07	5.78E-07	2.29E-07	1.39E-07	3.68E-07
2611	562793.51	4234521.47	2.32E-06	1.91E-06	4.23E-06	3.94E-07	3.06E-07	7.00E-07	1.87E-06	1.40E-06	3.28E-06	3.07E-07	2.72E-07	5.79E-07	2.29E-07	1.39E-07	3.68E-07
2612	562797.77	4234513.23	2.32E-06	1.91E-06	4.22E-06	3.93E-07	3.06E-07	6.99E-07	1.87E-06	1.40E-06	3.27E-06	3.06E-07	2.71E-07	5.78E-07	2.29E-07	1.39E-07	3.67E-07
2613	562802.03	4234504.99	2.31E-06	1.91E-06	4.22E-06	3.93E-07	3.06E-07	6.98E-07	1.87E-06	1.40E-06	3.27E-06	3.06E-07	2.71E-07	5.77E-07	2.29E-07	1.39E-07	3.67E-07
2614	562806.29	4234496.75	2.32E-06	1.91E-06	4.23E-06	3.93E-07	3.06E-07	7.00E-07	1.87E-06	1.40E-06	3.27E-06	3.07E-07	2.72E-07	5.78E-07	2.29E-07	1.39E-07	3.68E-07
2615	562810.55	4234488.51	2.33E-06	1.92E-06	4.25E-06	3.95E-07	3.07E-07	7.02E-07	1.88E-06	1.41E-06	3.29E-06	3.08E-07	2.73E-07	5.81E-07	2.30E-07	1.39E-07	3.69E-07
2616	562814.81	4234480.27	2.34E-06	1.93E-06	4.28E-06	3.98E-07	3.10E-07	7.07E-07	1.89E-06	1.42E-06	3.31E-06	3.10E-07	2.75E-07	5.85E-07	2.31E-07	1.40E-07	3.72E-07
2617	562819.07	4234472.03	2.37E-06	1.95E-06	4.32E-06	4.02E-07	3.13E-07	7.15E-07	1.91E-06	1.43E-06	3.34E-06	3.13E-07	2.78E-07	5.91E-07	2.34E-07	1.42E-07	3.76E-07
2618	562823.33	4234463.79	2.40E-06	1.98E-06	4.38E-06	4.07E-07	3.17E-07	7.25E-07	1.94E-06	1.45E-06	3.39E-06	3.18E-07	2.81E-07	5.99E-07	2.37E-07	1.44E-07	3.81E-07
2619	562827.59	4234455.55	2.44E-06	2.01E-06	4.46E-06	4.15E-07	3.23E-07	7.37E-07	1.97E-06	1.48E-06	3.45E-06	3.23E-07	2.86E-07	6.09E-07	2.41E-07	1.46E-07	3.88E-07
2620	562831.85	4234447.31	2.49E-06	2.05E-06	4.55E-06	4.23E-07	3.29E-07	7.53E-07	2.01E-06	1.51E-06	3.52E-06	3.30E-07	2.92E-07	6.22E-07	2.46E-07	1.49E-07	3.96E-07
2621	562836.11	4234439.08	2.55E-06	2.10E-06	4.66E-06	4.33E-07	3.37E-07	7.70E-07	2.06E-06	1.54E-06	3.60E-06	3.38E-07	2.99E-07	6.37E-07	2.52E-07	1.53E-07	4.05E-07
2622	562840.37	4234430.84	2.62E-06	2.16E-06	4.78E-06	4.45E-07	3.46E-07	7.91E-07	2.12E-06	1.58E-06	3.70E-06	3.46E-07	3.07E-07	6.53E-07	2.59E-07	1.57E-07	4.16E-07
2623	562844.63	4234422.6	2.69E-06	2.22E-06	4.91E-06	4.57E-07	3.56E-07	8.13E-07	2.17E-06	1.63E-06	3.80E-06	3.56E-07	3.16E-07	6.72E-07	2.66E-07	1.61E-07	4.27E-07
2624	562848.89	4234414.36	2.77E-06	2.28E-06	5.06E-06	4.70E-07	3.66E-07	8.36E-07	2.24E-06	1.68E-06	3.91E-06	3.67E-07	3.25E-07	6.91E-07	2.74E-07	1.66E-07	4.40E-07
2625	562853.16	4234406.12	2.85E-06	2.35E-06	5.21E-06	4.84E-07	3.77E-07	8.61E-07	2.30E-06	1.73E-06	4.03E-06	3.78E-07	3.35E-07	7.12E-07	2.82E-07	1.71E-07	4.53E-07
2626	562857.42	4234397.88	2.94E-06	2.42E-06	5.36E-06	4.99E-07	3.88E-07	8.87E-07	2.37E-06	1.78E-06	4.15E-06	3.89E-07	3.45E-07	7.33E-07	2.90E-07	1.76E-07	4.66E-07
2627	562861.68	4234389.64	3.03E-06	2.49E-06	5.52E-06	5.14E-07	4.00E-07	9.13E-07	2.44E-06	1.83E-06	4.27E-06	4.00E-07	3.55E-07	7.55E-07	2.99E-07	1.81E-07	4.80E-07
2628	562865.94	4234381.4	3.11E-06	2.57E-06	5.68E-06	5.28E-07	4.11E-07	9.40E-07	2.51E-06	1.88E-06	4.40E-06	4.12E-07	3.65E-07	7.77E-07	3.08E-07	1.86E-07	4.94E-07
2629	562879.03	4234370.34	3.37E-06	2.77E-06	6.14E-06	5.71E-07	4.44E-07	1.02E-06	2.72E-06	2.03E-06	4.75E-06	4.45E-07	3.94E-07	8.39E-07	3.32E-07	2.01E-07	5.34E-07
2630	562887.87	4234367.51	3.54E-06	2.91E-06	6.45E-06	6.00E-07	4.67E-07	1.07E-06	2.85E-06	2.14E-06	4.99E-06	4.67E-07	4.14E-07	8.82E-07	3.49E-07	2.12E-07	5.61E-07
2631	562896.7	4234364.68	3.71E-06	3.05E-06	6.76E-06	6.29E-07	4.90E-07	1.12E-06	2.99E-06	2.24E-06	5.23E-06	4.90E-07	4.34E-07	9.24E-07	3.66E-07	2.22E-07	5.88E-07
2632	562905.53	4234361.85	3.88E-06	3.19E-06	7.07E-06	6.58E-07	5.12E-07	1.17E-06	3.13E-06	2.34E-06	5.47E-06	5.13E-07	4.54E-07	9.67E-07	3.83E-07	2.32E-07	6.15E-07
2633	562914.37	4234359.03	4.05E-06	3.33E-06	7.38E-06	6.87E-07	5.34E-07	1.22E-06	3.27E-06	2.45E-06	5.71E-06	5.35E-07	4.74E-07	1.01E-06	4.00E-07	2.42E-07	6.42E-07
2634	562923.2	4234356.2	4.21E-06	3.47E-06	7.68E-06	7.14E-07	5.56E-07	1.27E-06	3.40E-06	2.54E-06	5.94E-06	5.57E-07	4.93E-07	1.05E-06	4.16E-07	2.52E-07	6.68E-07
2635	562932.04	4234353.37	4.37E-06	3.60E-06	7.96E-06	7.41E-07	5.77E-07	1.32E-06	3.52E-06	2.64E-06	6.16E-06	5.77E-07	5.12E-07	1.09E-06	4.31E-07	2.61E-07	6.92E-07
2636	562940.87	4234350.54	4.51E-06	3.72E-06	8.22E-06	7.65E-07	5.96E-07	1.36E-06	3.64E-06	2.73E-06	6.37E-06	5.96E-07	5.28E-07	1.12E-06	4.45E-07	2.70E-07	7.15E-07
2637	562949.7	4234347.72	4.64E-06	3.82E-06	8.46E-06	7.87E-07	6.13E-07	1.40E-06	3.75E-06	2.80E-06	6.55E-06	6.13E-07	5.44E-07	1.16E-06	4.58E-07	2.78E-07	7.36E-07
2638	562985.04	4234336.41	4.95E-06	4.08E-06	9.03E-06	8.40E-07	6.54E-07	1.49E-06	4.00E-06	2.99E-06	6.99E-06	6.54E-07	5.80E-07	1.23E-06	4.89E-07	2.96E-07	7.85E-07
2639	562993.87	4234333.58	4.96E-06	4.09E-06	9.05E-06	8.42E-07	6.55E-07	1.50E-06	4.01E-06	3.00E-06	7.01E-06	6.56E-07	5.81E-07	1.24E-06	4.90E-07	2.97E-07	7.87E-07
2640	563002.71	4234330.75	4.95E-06	4.08E-06	9.02E-06	8.39E-07	6.53E-07	1.49E-06	3.99E-06	2.99E-06	6.98E-06	6.54E-07	5.80E-07	1.23E-06	4.89E-07	2.96E-07	7.85E-07
2641	563011.54	4234327.93	4.90E-06	4.04E-06	8.94E-06	8.32E-07	6.48E-07	1.48E-06	3.96E-06	2.96E-06	6.92E-06	6.48E-07	5.75E-07	1.22E-06	4.84E-07	2.93E-07	7.78E-07
2642	563020.38	4234325.1	4.83E-06	3.98E-06	8.81E-06	8.20E-07	6.38E-07	1.46E-06	3.90E-06	2.92E-06	6.82E-06	6.39E-07	5.66E-07	1.20E-06	4.77E-07	2.89E-07	7.66E-07
2643	563029.21	4234322.27	4.73E-06	3.90E-06	8.63E-06	8.03E-07	6.25E-07	1.43E-06	3.82E-06	2.86E-06	6.68E-06	6.26E-07	5.55E-07	1.18E-06	4.67E-07	2.83E-07	7.51E-07
2644	563038.04	4234319.44	4.61E-06	3.80E-06	8.41E-06	7.82E-07	6.09E-07	1.39E-06	3.72E-06	2.79E-06	6.51E-06	6.10E-07	5.40E-07	1.15E-06	4.55E-07	2.76E-07	7.31E-07
2645	563046.88	4234316.62	4.47E-06	3.68E-06	8.15E-06	7.58E-07	5.90E-07	1.35E-06	3.61E-06	2.70E-06	6.31E-06	5.91E-07	5.23E-07	1.11E-06	4.41E-07	2.67E-07	7.08E-07
2646	563055.71	4234313.79	4.31E-06	3.55E-06	7.85E-06	7.31E-07	5.69E-07	1.30E-06	3.48E-06	2.60E-06	6.08E-06	5.69E-07	5.05E-07	1.07E-06	4.25E-07	2.58E-07	6.83E-07
2647	563064.55	4234310.96	4.13E-06	3.40E-06	7.54E-06	7.01E-07	5.46E-07	1.25E-06	3.34E-06	2.50E-06	5.83E-06	5.46E-07	4.84E-07	1.03E-06	4.08E-07	2.47E-07	6.55E-07
2648	563073.38	4234308.13	3.95E-06	3.25E-06	7.20E-06	6.70E-07	5.21E-07	1.19E-06	3.19E-06	2.39E-06	5.57E-06	5.22E-07	4.63E-07	9.85E-07	3.90E-07	2.36E-07	6.26E-07
2649	563082.21	4234305.31	3.76E-06	3.10E-06	6.86E-06	6.38E-07	4.97E-07	1.13E-06	3.04E-06	2.27E-06	5.31E-06	4.97E-07	4.41E-07	9.38E-07	3.71E-07	2.25E-07	5.96E-07
2650	563091.05	4234302.48	3.57E-06	2.94E-06	6.51E-06	6.06E-07	4.71E-07	1.08E-06	2.88E-06	2.16E-06	5.04E-06	4.72E-07	4.18E-07	8.90E-07	3.52E-07	2.14E-07	5.66E-07
2651	563099.88	4234299.65	3.36E-06	2.77E-06	6.14E-06	5.71E-07	4.44E-07	1.02E-06	2.72E-06	2.03E-06	4.75E-06	4.45E-07	3.94E-07	8.39E-07	3.32E-07	2.01E-07	5.34E-07
2652	563108.72	4234296.82	3.16E-06	2.60E-06	5.76E-06	5.36E-07	4.17E-07	9.53E-07	2.55E-06	1.91E-06	4.46E-06	4.18E-07	3.70E-07	7.88E-07	3.12E-07	1.89E-07	5.01E-07
2653	562750.9	4234603.85	2.25E-06	1.85E-06	4.10E-06	3.81E-07	2.97E-07	6.78E-07	1.81E-06	1.36E-06	3.17E-06	2.97E-07	2.63E-07	5.60E-07	2.22E-07	1.34E-07	3.56E-07
2654	562750.1	4234613.17	2.27E-06	1.87E-06	4.14E-06	3.85E-07	3.00E-07	6.85E-07	1.83E-06	1.37E-06	3.21E-06	3.00E-07	2.66E-07	5.67E-07	2.24E-07	1.36E-07	3.60E-07
2655	562749.3	4234622.49	2.30E-06	1.89E-06	4.19E-06	3.90E-07	3.03E-07	6.93E-07	1.85E-06	1.39E-06	3.24E-06	3.04E-07	2.69E-07	5.73E-07	2.27E-07	1.37E-07	3.64E-07
2656	562748.51	4234631.81	2.32E-06	1.91E-06	4.23E-06	3.93E-07	3.06E-07	6.99E-07	1.87E-06	1.40E-06	3.27E-06	3.06E-07	2.72E-07	5.78E-07	2.29E-07	1.39E-07	3.68E-07
2657	562747.71	4234641.12	2.34E-06	1.92E-06	4.26E-06	3.96E-07	3.09E-07	7.05E-07	1.89E-06	1.41E-06	3.30E-06	3.09E-07	2.74E-07	5.83E-07	2.31E-07	1.40E-07	3.71E-07
2658	562746.91	4234650.44	2.35E-06	1.94E-06	4.28E-06	3.99E-07	3.10E-07	7.09E-07	1.90E-06	1.42E-06	3.32E-06	3.11E-07	2.75E-07	5.86E-07	2.32E-07	1.41E-07	3.73E-07
2659	562746.11	4234659.76	2.35E-06	1.94E-06	4.29E-06	3.99E-07	3.11E-07	7.09E-07	1.90E-06	1.42E-06	3.32E-06	3.11E-07	2.76E-07	5.86E-07	2.32E-07	1.41E-07	3.73E-07
2660	562745.32	4234669.08	2.33E-06	1.92E-06	4.26E-06	3.96E-07	3.08E-07	7.04E-07	1.88E-06	1.41E-06	3.29E-06	3.09E-07	2.73E-07	5.82E-07	2.30E-07	1.40E-07	3.70E-07
2661	562744.52	4234678.39	2.29E-06	1.89E-06	4.18E-06	3.89E-07	3.02E-07	6.91E-07	1.85E-06	1.38E-06	3.23E-06	3.03E-07	2.68E-07	5.71E-07	2.26E-07	1.37E-07	3.63E-07
2662	562743.72	4234687.71	2.24E-06	1.84E-06	4.08E-06	3.80E-07	2.96E-07	6.76E-07	1.81E-06	1.35E-06	3.16E-06	2.96E-07	2.62E-07	5.58E-07	2.21E-07	1.34E-07	3.55E-07
2663	562742.92	4234697.03	2.18E-06	1.80E-06	3.98E-06	3.70E-07	2.88E-07	6.58E-07	1.76E-06	1.32E-06	3.08E-06	2.88E-07	2.55E-07	5.44E-07	2.15E-07	1.30E-07	3.46E-07
2664	562742.13	4234706.35	2.11E-06	1.74E-06	3.86E-06	3.59E-07	2.79E-07	6.38E-07	1.71E-06	1.28E-06	2.99E-06	2.80E-07	2.48E-07	5.27E-07	2.09E-07	1.27E-07	3.35E-07
2665	562741.33	4234715.66	2.04E-06	1.68E-06	3.73E-06	3.47E-07	2.70E-07	6.17E-07	1.65E-06	1.24E-06	2.89E-06	2.70E-07	2.40E-07	5.10E-07	2.02E-07	1.22E-07	3.24E-07
2666	562715.21	4234592.39	2.05E-06	1.69E-06	3.74E-06	3.48E-07	2.71E-07	6.18E-07	1.65E-06	1.24E-06	2.89E-06	2.71E-07	2.40E-07	5.11E-07	2.02E-07	1.23E-07	3.25E-07
2667	562719.38	4234584.33	2.03E-06	1.67E-06	3.70E-06	3.44E-07	2.68E-07	6.12E-07	1.64E-06	1.23E-06	2.87E-06	2.68E-07	2.38E-07	5.06E-07	2.00E-07	1.21E-07	3.22E-07
2668	562723.54	4234576.27	2.01E-06	1.66E-06	3.67E-06	3.42E-07	2.66E-07	6.08E-07	1.63E-06	1.22E-06	2.84E-06	2.66E-07	2.36E-07	5.02E-07	1.99E-07	1.21E-07	3.19E-07
2669	562727.71	4234568.21	2.01E-06	1.65E-06	3.66E-06	3.41E-07	2.65E-07	6.06E-07	1.62E-06	1.21E-06	2.83E-06	2.65E-07	2.35E-07	5.01E-07	1.98E-07	1.20E-07	3.18E-07
2670	562731.88	4234560.16	2.00E-06	1.65E-06	3.65E-06	3.39E-07	2.64E-07	6.03E-07	1.61E-06	1.21E-06	2.82E-06	2.64E-07	2.34E-07	4.99E-07	1.97E-07	1.20E-07	3.17E-07
2671	562736.04	4234552.1	1.99E-06	1.64E-06	3.63E-06	3.37E-07	2.63E-07	6.00E-07	1.61E-06	1.20E-06	2.81E-06	2.63E-07	2.33E-07	4.96E-07	1.96E-07	1.19E-07	3.15E-07
2672	562740.21	4234544.04	1.98E-06	1.63E-06	3.62E-06	3.37E-07	2.62E-07	5.99E-07	1.60E-06	1.20E-06	2.80E-06	2.62E-07	2.32E-07	4.95E-07	1.96E-07	1.19E-07	3.15E-07
2673	562744.38	4234535.99	2.00E-06	1.65E-06	3.64E-06	3.39E-07	2.64E-07	6.03E-07	1.61E-06	1.21E-06	2.82E-06	2.64E-07	2.34E-07	4.98E-07	1.97E-07	1.20E-07	3.17E-07
2674	562748.54	4234527.93	2.01E-06	1.66E-06	3.67E-06	3.42E-07	2.66E-07	6.07E-07	1.63E-06	1.22E-06	2.84E-06	2.66E-07	2.36E-07	5.02E-07	1.99E-07	1.20E-07	3.19E-07
2675	562752.71	4234519.87	2.03E-06	1.67E-06	3.70E-06	3.44E-07	2.68E-07	6.12E-07	1.64E-06	1.23E-06	2.86E-06	2.68E-07	2.38E-07	5.06E-07	2.00E-07	1.21E-07	3.22E-07
2676	562756.88	4234511.81	2.03E-06	1.67E-06	3.70E-06	3.44E-07	2.68E-07	6.12E-07	1.64E-06	1.23E-06	2.86E-06	2.68E-07	2.38E-07	5.06E-07	2.00E-07	1.21E-07	3.22E-07
2677	562761.04	4234503.76	2.02E-06	1.66E-06	3.68E-06	3.42E-07	2.66E-07	6.08E-07	1.63E-06	1.22E-06	2.85E-06	2.67E-07	2.36E-07	5.03E-07	1.99E-07	1.21E-07	3.20E-07
2678	562765.21	4234495.7	2.01E-06	1.65E-06	3.66E-06	3.40E-07	2.65E-07	6.05E-07	1.62E-06	1.21E-06	2.83E-06	2.65E-07	2.35E-07	5.00E-07	1.98E-07	1.20E-07	3.18E-07
2679	562769.38	4234487.64	2.00E-06	1.65E-06	3.65E-06	3.39E-07	2.64E-07	6.03E-07	1.61E-06	1.21E-06	2.82E-06	2.64E-07	2.34E-07	4.99E-07	1.97E-07	1.20E-07	3.17E-07
2680	562773.55	4234479.59	2.00E-06	1.65E-06	3.64E-06	3.39E-07	2.64E-07	6.03E-07	1.61E-06	1.21E-06	2.82E-06	2.64E-07	2.34E-07	4.98E-07	1.97E-07	1.20E-07	3.17E-07
2681	562777.71	4234471.53	2.00E-06	1.65E-06	3.64E-06	3.39E-07	2.64E-07	6.03E-07	1.61E-06	1.21E-06	2.82E-06	2.64E-07	2.34E-07	4.98E-07	1.97E-07	1.20E-07	3.17E-07
2682	562781.88	4234463.47	2.01E-06	1.65E-06	3.66E-06	3.40E-07	2.65E-07	6.05E-07	1.62E-06	1.21E-06	2.83E-06	2.65E-07	2.35E-07	5.00E-07	1.98E-07	1.20E-07	3.18E-07
2683	562786.05	4234455.41	2.02E-06	1.66E-06	3.68E-06	3.43E-07	2.67E-07	6.09E-07	1.63E-06	1.22E-06	2.85E-06	2.67E-07	2.37E-07	5.04E-07	1.99E-07	1.21E-07	3.20E-07
2684	562790.21	4234447.36	2.04E-06	1.68E-06	3.72E-06	3.46E-07	2.69E-07	6.16E-07	1.65E-06	1.23E-06	2.88E-06	2.70E-07	2.39E-07	5.09E-07	2.01E-07	1.22E-07	3.24E-07
2685	562794.38	4234439.3	2.07E-06	1.70E-06	3.77E-06	3.51E-07	2.73E-07	6.24E-07	1.67E-06	1.25E-06	2.92E-06	2.73E-07	2.42E-07	5.16E-07	2.04E-07	1.24E-07	3.28E-07
2686	562798.55	4234431.24	2.10E-06	1.73E-06	3.84E-06	3.57E-07	2.78E-07	6.35E-07	1.70E-06	1.27E-06	2.97E-06	2.78E-07	2.46E-07	5.25E-07	2.08E-07	1.26E-07	3.34E-07
2687	562802.71	4234423.19	2.15E-06	1.77E-06	3.91E-06	3.64E-07	2.83E-07	6.47E-07	1.73E-06	1.30E-06	3.03E-06	2.84E-07	2.51E-07	5.35E-07	2.12E-07	1.28E-07	3.40E-07
2688	562806.88	4234415.13	2.19E-06	1.81E-06	4.00E-06	3.72E-07	2.90E-07	6.62E-07	1.77E-06	1.33E-06	3.10E-06	2.90E-07	2.57E-07	5.47E-07	2.17E-07	1.31E-07	3.48E-07
2689	562811.05	4234407.07	2.25E-06	1.85E-06	4.10E-06	3.81E-07	2.97E-07	6.78E-07	1.82E-06	1.36E-06	3.17E-06	2.97E-07	2.63E-07	5.61E-07	2.22E-07	1.35E-07	3.57E-07
2690	562815.21	4234399.01	2.31E-06	1.90E-06	4.21E-06	3.92E-07	3.05E-07	6.96E-07	1.86E-06	1.39E-06	3.26E-06	3.05E-07	2.70E-07	5.76E-07	2.28E-07	1.38E-07	3.66E-07
2691	562819.38	4234390.96	2.37E-06	1.95E-06	4.33E-06	4.02E-07	3.13E-07	7.16E-07	1.92E-06	1.43E-06	3.35E-06	3.14E-07	2.78E-07	5.92E-07	2.34E-07	1.42E-07	3.76E-07
2692	562823.55	4234382.9	2.44E-06	2.01E-06	4.45E-06	4.14E-07	3.22E-07	7.36E-07	1.97E-06	1.47E-06	3.44E-06	3.23E-07	2.86E-07	6.08E-07	2.41E-07	1.46E-07	3.87E-07
2693	562827.71	4234374.84	2.51E-06	2.07E-06	4.58E-06	4.26E-07	3.31E-07	7.57E-07	2.03E-06	1.52E-06	3.54E-06	3.32E-07	2.94E-07	6.26E-07	2.48E-07	1.50E-07	3.98E-07

2694	562831.88	4234366.78	2.58E-06	2.13E-06	4.71E-06	4.38E-07	3.41E-07	7.79E-07	2.08E-06	1.56E-06	3.64E-06	3.41E-07	3.03E-07	6.44E-07	2.55E-07	1.55E-07	4.09E-07
2695	562836.05	4234358.73	2.65E-06	2.19E-06	4.84E-06	4.50E-07	3.51E-07	8.01E-07	2.14E-06	1.60E-06	3.75E-06	3.51E-07	3.11E-07	6.62E-07	2.62E-07	1.59E-07	4.21E-07
2696	562840.21	4234350.67	2.73E-06	2.25E-06	4.97E-06	4.63E-07	3.60E-07	8.23E-07	2.20E-06	1.65E-06	3.85E-06	3.61E-07	3.20E-07	6.80E-07	2.69E-07	1.63E-07	4.32E-07
2697	562853.02	4234339.85	2.93E-06	2.42E-06	5.35E-06	4.98E-07	3.88E-07	8.85E-07	2.37E-06	1.77E-06	4.14E-06	3.88E-07	3.44E-07	7.32E-07	2.90E-07	1.76E-07	4.65E-07
2698	562861.66	4234337.08	3.07E-06	2.53E-06	5.60E-06	5.21E-07	4.06E-07	9.27E-07	2.48E-06	1.86E-06	4.34E-06	4.06E-07	3.60E-07	7.67E-07	3.04E-07	1.84E-07	4.87E-07
2699	562878.94	4234331.55	3.36E-06	2.77E-06	6.12E-06	5.70E-07	4.43E-07	1.01E-06	2.71E-06	2.03E-06	4.74E-06	4.44E-07	3.93E-07	8.37E-07	3.32E-07	2.01E-07	5.32E-07
2700	562896.21	4234326.02	3.64E-06	3.00E-06	6.64E-06	6.17E-07	4.81E-07	1.10E-06	2.94E-06	2.20E-06	5.14E-06	4.81E-07	4.26E-07	9.08E-07	3.59E-07	2.18E-07	5.77E-07
2701	562904.85	4234323.26	3.77E-06	3.11E-06	6.88E-06	6.40E-07	4.98E-07	1.14E-06	3.05E-06	2.28E-06	5.33E-06	4.99E-07	4.42E-07	9.41E-07	3.73E-07	2.26E-07	5.99E-07
2702	562913.49	4234320.49	3.90E-06	3.22E-06	7.12E-06	6.62E-07	5.16E-07	1.18E-06	3.15E-06	2.36E-06	5.51E-06	5.16E-07	4.57E-07	9.74E-07	3.85E-07	2.34E-07	6.19E-07
2703	562922.13	4234317.73	4.02E-06	3.32E-06	7.34E-06	6.83E-07	5.31E-07	1.21E-06	3.25E-06	2.43E-06	5.68E-06	5.32E-07	4.72E-07	1.00E-06	3.97E-07	2.41E-07	6.38E-07
2704	562939.41	4234312.2	4.23E-06	3.49E-06	7.72E-06	7.18E-07	5.59E-07	1.28E-06	3.42E-06	2.56E-06	5.97E-06	5.60E-07	4.96E-07	1.06E-06	4.18E-07	2.53E-07	6.71E-07
2705	562956.69	4234306.67	4.38E-06	3.61E-06	7.98E-06	7.43E-07	5.78E-07	1.32E-06	3.53E-06	2.64E-06	6.18E-06	5.79E-07	5.13E-07	1.09E-06	4.32E-07	2.62E-07	6.94E-07
2706	562991.24	4234295.61	4.43E-06	3.65E-06	8.08E-06	7.51E-07	5.85E-07	1.34E-06	3.57E-06	2.68E-06	6.25E-06	5.86E-07	5.19E-07	1.10E-06	4.37E-07	2.65E-07	7.02E-07
2707	563008.52	4234290.08	4.32E-06	3.56E-06	7.88E-06	7.33E-07	5.71E-07	1.30E-06	3.49E-06	2.61E-06	6.10E-06	5.72E-07	5.07E-07	1.08E-06	4.27E-07	2.59E-07	6.86E-07
2708	563017.16	4234287.31	4.24E-06	3.49E-06	7.73E-06	7.19E-07	5.60E-07	1.28E-06	3.42E-06	2.56E-06	5.98E-06	5.61E-07	4.97E-07	1.06E-06	4.19E-07	2.54E-07	6.72E-07
2709	563025.8	4234284.55	4.14E-06	3.41E-06	7.55E-06	7.02E-07	5.46E-07	1.25E-06	3.34E-06	2.50E-06	5.84E-06	5.47E-07	4.85E-07	1.03E-06	4.09E-07	2.48E-07	6.56E-07
2710	563043.08	4234279.02	3.89E-06	3.20E-06	7.09E-06	6.60E-07	5.13E-07	1.17E-06	3.14E-06	2.35E-06	5.49E-06	5.14E-07	4.55E-07	9.69E-07	3.84E-07	2.33E-07	6.17E-07
2711	563060.36	4234273.49	3.59E-06	2.96E-06	6.55E-06	6.10E-07	4.75E-07	1.08E-06	2.90E-06	2.17E-06	5.07E-06	4.75E-07	4.21E-07	8.96E-07	3.55E-07	2.15E-07	5.70E-07
2712	563069	4234270.72	3.43E-06	2.83E-06	6.26E-06	5.83E-07	4.54E-07	1.04E-06	2.77E-06	2.08E-06	4.85E-06	4.54E-07	4.03E-07	8.57E-07	3.39E-07	2.06E-07	5.45E-07
2713	563086.27	4234265.19	3.10E-06	2.55E-06	5.66E-06	5.26E-07	4.10E-07	9.36E-07	2.50E-06	1.87E-06	4.38E-06	4.10E-07	3.63E-07	7.74E-07	3.06E-07	1.86E-07	4.92E-07
2714	563094.91	4234262.43	2.93E-06	2.42E-06	5.35E-06	4.98E-07	3.87E-07	8.85E-07	2.37E-06	1.77E-06	4.14E-06	3.88E-07	3.44E-07	7.32E-07	2.90E-07	1.76E-07	4.65E-07
2715	563103.55	4234259.66	2.77E-06	2.28E-06	5.05E-06	4.70E-07	3.66E-07	8.36E-07	2.24E-06	1.67E-06	3.91E-06	3.66E-07	3.25E-07	6.91E-07	2.74E-07	1.66E-07	4.39E-07
2716	562711.04	4234600.44	2.07E-06	1.71E-06	3.78E-06	3.52E-07	2.74E-07	6.26E-07	1.67E-06	1.25E-06	2.93E-06	2.74E-07	2.43E-07	5.17E-07	2.05E-07	1.24E-07	3.29E-07
2717	562710.25	4234609.76	2.10E-06	1.73E-06	3.84E-06	3.57E-07	2.78E-07	6.35E-07	1.70E-06	1.27E-06	2.97E-06	2.78E-07	2.47E-07	5.25E-07	2.08E-07	1.26E-07	3.34E-07
2718	562709.45	4234619.08	2.12E-06	1.74E-06	3.86E-06	3.59E-07	2.80E-07	6.39E-07	1.71E-06	1.28E-06	2.99E-06	2.80E-07	2.48E-07	5.28E-07	2.09E-07	1.27E-07	3.36E-07
2719	562708.65	4234628.4	2.12E-06	1.75E-06	3.87E-06	3.60E-07	2.80E-07	6.40E-07	1.71E-06	1.28E-06	2.99E-06	2.81E-07	2.49E-07	5.29E-07	2.10E-07	1.27E-07	3.36E-07
2720	562707.85	4234637.71	2.12E-06	1.74E-06	3.86E-06	3.59E-07	2.79E-07	6.38E-07	1.71E-06	1.28E-06	2.99E-06	2.80E-07	2.48E-07	5.28E-07	2.09E-07	1.27E-07	3.36E-07
2721	562707.06	4234647.03	2.10E-06	1.73E-06	3.82E-06	3.56E-07	2.77E-07	6.33E-07	1.69E-06	1.27E-06	2.96E-06	2.77E-07	2.46E-07	5.23E-07	2.07E-07	1.26E-07	3.33E-07
2722	562706.26	4234656.35	2.07E-06	1.71E-06	3.78E-06	3.51E-07	2.74E-07	6.25E-07	1.67E-06	1.25E-06	2.92E-06	2.74E-07	2.43E-07	5.17E-07	2.05E-07	1.24E-07	3.29E-07
2723	562705.46	4234665.67	2.04E-06	1.68E-06	3.72E-06	3.46E-07	2.69E-07	6.15E-07	1.65E-06	1.23E-06	2.88E-06	2.70E-07	2.39E-07	5.08E-07	2.01E-07	1.22E-07	3.23E-07
2724	562704.66	4234674.98	2.00E-06	1.65E-06	3.65E-06	3.39E-07	2.64E-07	6.03E-07	1.61E-06	1.21E-06	2.82E-06	2.64E-07	2.34E-07	4.99E-07	1.97E-07	1.20E-07	3.17E-07
2725	562703.87	4234684.3	1.95E-06	1.61E-06	3.56E-06	3.31E-07	2.58E-07	5.89E-07	1.58E-06	1.18E-06	2.76E-06	2.58E-07	2.29E-07	4.87E-07	1.93E-07	1.17E-07	3.10E-07
2726	562703.07	4234693.62	1.90E-06	1.57E-06	3.47E-06	3.23E-07	2.51E-07	5.74E-07	1.53E-06	1.15E-06	2.68E-06	2.51E-07	2.23E-07	4.74E-07	1.88E-07	1.14E-07	3.02E-07
2727	562702.27	4234702.94	1.84E-06	1.52E-06	3.36E-06	3.13E-07	2.44E-07	5.57E-07	1.49E-06	1.11E-06	2.60E-06	2.44E-07	2.16E-07	4.60E-07	1.82E-07	1.10E-07	2.93E-07
2728	562701.47	4234712.25	1.78E-06	1.47E-06	3.25E-06	3.03E-07	2.36E-07	5.38E-07	1.44E-06	1.08E-06	2.52E-06	2.36E-07	2.09E-07	4.45E-07	1.76E-07	1.07E-07	2.83E-07
2729	562675.4	4234588.89	1.82E-06	1.50E-06	3.33E-06	3.10E-07	2.41E-07	5.51E-07	1.47E-06	1.10E-06	2.58E-06	2.41E-07	2.14E-07	4.55E-07	1.80E-07	1.09E-07	2.89E-07
2730	562679.61	4234580.75	1.83E-06	1.51E-06	3.33E-06	3.10E-07	2.41E-07	5.51E-07	1.47E-06	1.10E-06	2.58E-06	2.42E-07	2.14E-07	4.56E-07	1.80E-07	1.09E-07	2.90E-07
2731	562683.82	4234572.61	1.82E-06	1.50E-06	3.32E-06	3.09E-07	2.41E-07	5.50E-07	1.47E-06	1.10E-06	2.57E-06	2.41E-07	2.14E-07	4.54E-07	1.80E-07	1.09E-07	2.89E-07
2732	562688.03	4234564.46	1.82E-06	1.50E-06	3.31E-06	3.08E-07	2.40E-07	5.48E-07	1.47E-06	1.10E-06	2.56E-06	2.40E-07	2.13E-07	4.53E-07	1.79E-07	1.09E-07	2.88E-07
2733	562692.24	4234556.32	1.81E-06	1.49E-06	3.30E-06	3.07E-07	2.39E-07	5.46E-07	1.46E-06	1.09E-06	2.55E-06	2.39E-07	2.12E-07	4.51E-07	1.79E-07	1.08E-07	2.87E-07
2734	562696.45	4234548.18	1.80E-06	1.48E-06	3.28E-06	3.05E-07	2.37E-07	5.42E-07	1.45E-06	1.09E-06	2.54E-06	2.38E-07	2.11E-07	4.48E-07	1.78E-07	1.08E-07	2.85E-07
2735	562700.66	4234540.04	1.78E-06	1.47E-06	3.26E-06	3.03E-07	2.36E-07	5.39E-07	1.44E-06	1.08E-06	2.52E-06	2.36E-07	2.09E-07	4.45E-07	1.76E-07	1.07E-07	2.83E-07
2736	562704.87	4234531.9	1.77E-06	1.46E-06	3.23E-06	3.01E-07	2.34E-07	5.35E-07	1.43E-06	1.07E-06	2.50E-06	2.34E-07	2.08E-07	4.42E-07	1.75E-07	1.06E-07	2.81E-07
2737	562709.09	4234523.75	1.77E-06	1.46E-06	3.22E-06	3.00E-07	2.33E-07	5.33E-07	1.43E-06	1.07E-06	2.50E-06	2.34E-07	2.07E-07	4.41E-07	1.75E-07	1.06E-07	2.80E-07
2738	562713.3	4234515.61	1.77E-06	1.46E-06	3.22E-06	3.00E-07	2.34E-07	5.34E-07	1.43E-06	1.07E-06	2.50E-06	2.34E-07	2.07E-07	4.41E-07	1.75E-07	1.06E-07	2.80E-07
2739	562717.51	4234507.47	1.76E-06	1.45E-06	3.22E-06	2.99E-07	2.33E-07	5.32E-07	1.42E-06	1.07E-06	2.49E-06	2.33E-07	2.07E-07	4.40E-07	1.74E-07	1.06E-07	2.80E-07
2740	562721.72	4234499.33	1.76E-06	1.45E-06	3.21E-06	2.99E-07	2.33E-07	5.31E-07	1.42E-06	1.06E-06	2.49E-06	2.33E-07	2.06E-07	4.39E-07	1.74E-07	1.05E-07	2.79E-07
2741	562725.93	4234491.19	1.76E-06	1.45E-06	3.21E-06	2.98E-07	2.32E-07	5.31E-07	1.42E-06	1.06E-06	2.48E-06	2.33E-07	2.06E-07	4.39E-07	1.74E-07	1.05E-07	2.79E-07
2742	562730.14	4234483.04	1.76E-06	1.45E-06	3.20E-06	2.98E-07	2.32E-07	5.30E-07	1.42E-06	1.06E-06	2.48E-06	2.32E-07	2.06E-07	4.38E-07	1.73E-07	1.05E-07	2.79E-07
2743	562734.35	4234474.9	1.75E-06	1.45E-06	3.20E-06	2.98E-07	2.32E-07	5.30E-07	1.42E-06	1.06E-06	2.48E-06	2.32E-07	2.06E-07	4.38E-07	1.73E-07	1.05E-07	2.78E-07
2744	562738.56	4234466.76	1.75E-06	1.44E-06	3.18E-06	2.96E-07	2.31E-07	5.27E-07	1.41E-06	1.06E-06	2.46E-06	2.31E-07	2.05E-07	4.35E-07	1.72E-07	1.04E-07	2.77E-07
2745	562742.77	4234458.62	1.74E-06	1.43E-06	3.17E-06	2.95E-07	2.30E-07	5.25E-07	1.41E-06	1.05E-06	2.46E-06	2.30E-07	2.04E-07	4.34E-07	1.72E-07	1.04E-07	2.76E-07
2746	562746.98	4234450.48	1.74E-06	1.43E-06	3.17E-06	2.95E-07	2.30E-07	5.25E-07	1.40E-06	1.05E-06	2.46E-06	2.30E-07	2.04E-07	4.34E-07	1.72E-07	1.04E-07	2.76E-07
2747	562751.19	4234442.33	1.74E-06	1.44E-06	3.18E-06	2.96E-07	2.30E-07	5.26E-07	1.41E-06	1.05E-06	2.46E-06	2.31E-07	2.04E-07	4.35E-07	1.72E-07	1.04E-07	2.77E-07
2748	562755.4	4234434.19	1.75E-06	1.44E-06	3.20E-06	2.98E-07	2.32E-07	5.29E-07	1.42E-06	1.06E-06	2.48E-06	2.32E-07	2.05E-07	4.37E-07	1.73E-07	1.05E-07	2.78E-07
2749	562759.61	4234426.05	1.77E-06	1.46E-06	3.23E-06	3.00E-07	2.34E-07	5.34E-07	1.43E-06	1.07E-06	2.50E-06	2.34E-07	2.07E-07	4.41E-07	1.75E-07	1.06E-07	2.81E-07
2750	562763.82	4234417.91	1.79E-06	1.48E-06	3.27E-06	3.04E-07	2.37E-07	5.41E-07	1.45E-06	1.08E-06	2.53E-06	2.37E-07	2.10E-07	4.47E-07	1.77E-07	1.07E-07	2.84E-07
2751	562768.03	4234409.77	1.82E-06	1.50E-06	3.32E-06	3.09E-07	2.40E-07	5.49E-07	1.47E-06	1.10E-06	2.57E-06	2.41E-07	2.13E-07	4.54E-07	1.80E-07	1.09E-07	2.89E-07
2752	562772.24	4234401.62	1.85E-06	1.53E-06	3.38E-06	3.15E-07	2.45E-07	5.60E-07	1.50E-06	1.12E-06	2.62E-06	2.45E-07	2.17E-07	4.63E-07	1.83E-07	1.11E-07	2.94E-07
2753	562776.45	4234393.48	1.89E-06	1.56E-06	3.46E-06	3.22E-07	2.50E-07	5.72E-07	1.53E-06	1.15E-06	2.68E-06	2.51E-07	2.22E-07	4.73E-07	1.87E-07	1.13E-07	3.01E-07
2754	562780.67	4234385.34	1.94E-06	1.60E-06	3.54E-06	3.29E-07	2.56E-07	5.85E-07	1.57E-06	1.17E-06	2.74E-06	2.57E-07	2.27E-07	4.84E-07	1.92E-07	1.16E-07	3.08E-07
2755	562784.88	4234377.2	1.99E-06	1.64E-06	3.63E-06	3.38E-07	2.63E-07	6.00E-07	1.61E-06	1.20E-06	2.81E-06	2.63E-07	2.33E-07	4.96E-07	1.97E-07	1.19E-07	3.16E-07
2756	562789.09	4234369.06	2.04E-06	1.68E-06	3.73E-06	3.47E-07	2.70E-07	6.17E-07	1.65E-06	1.23E-06	2.88E-06	2.70E-07	2.39E-07	5.10E-07	2.02E-07	1.22E-07	3.24E-07
2757	562793.3	4234360.91	2.10E-06	1.73E-06	3.83E-06	3.56E-07	2.77E-07	6.34E-07	1.70E-06	1.27E-06	2.96E-06	2.78E-07	2.46E-07	5.24E-07	2.07E-07	1.26E-07	3.33E-07
2758	562797.51	4234352.77	2.16E-06	1.78E-06	3.94E-06	3.66E-07	2.85E-07	6.51E-07	1.74E-06	1.30E-06	3.05E-06	2.86E-07	2.53E-07	5.39E-07	2.13E-07	1.29E-07	3.42E-07
2759	562801.72	4234344.63	2.22E-06	1.83E-06	4.05E-06	3.77E-07	2.93E-07	6.70E-07	1.79E-06	1.34E-06	3.13E-06	2.94E-07	2.60E-07	5.54E-07	2.19E-07	1.33E-07	3.52E-07
2760	562805.93	4234336.49	2.28E-06	1.88E-06	4.16E-06	3.87E-07	3.01E-07	6.89E-07	1.84E-06	1.38E-06	3.22E-06	3.02E-07	2.67E-07	5.69E-07	2.25E-07	1.37E-07	3.62E-07
2761	562810.14	4234328.35	2.35E-06	1.93E-06	4.28E-06	3.98E-07	3.10E-07	7.08E-07	1.89E-06	1.42E-06	3.31E-06	3.10E-07	2.75E-07	5.85E-07	2.32E-07	1.40E-07	3.72E-07
2762	562814.35	4234320.2	2.41E-06	1.98E-06	4.39E-06	4.09E-07	3.18E-07	7.27E-07	1.94E-06	1.46E-06	3.40E-06	3.18E-07	2.82E-07	6.01E-07	2.38E-07	1.44E-07	3.82E-07
2763	562827.29	4234309.27	2.59E-06	2.13E-06	4.72E-06	4.39E-07	3.42E-07	7.80E-07	2.09E-06	1.56E-06	3.65E-06	3.42E-07	3.03E-07	6.45E-07	2.55E-07	1.55E-07	4.10E-07
2764	562836.02	4234306.47	2.70E-06	2.23E-06	4.93E-06	4.59E-07	3.57E-07	8.16E-07	2.18E-06	1.63E-06	3.82E-06	3.58E-07	3.17E-07	6.75E-07	2.67E-07	1.62E-07	4.29E-07
2765	562844.75	4234303.68	2.83E-06	2.33E-06	5.15E-06	4.80E-07	3.73E-07	8.53E-07	2.28E-06	1.71E-06	3.99E-06	3.74E-07	3.31E-07	7.05E-07	2.79E-07	1.69E-07	4.48E-07
2766	562853.48	4234300.89	2.95E-06	2.43E-06	5.38E-06	5.00E-07	3.89E-07	8.90E-07	2.38E-06	1.78E-06	4.16E-06	3.90E-07	3.46E-07	7.36E-07	2.91E-07	1.77E-07	4.68E-07
2767	562862.21	4234298.09	3.07E-06	2.53E-06	5.60E-06	5.21E-07	4.06E-07	9.27E-07	2.48E-06	1.86E-06	4.34E-06	4.06E-07	3.60E-07	7.66E-07	3.03E-07	1.84E-07	4.87E-07
2768	562870.94	4234295.3	3.19E-06	2.63E-06	5.83E-06	5.42E-07	4.22E-07	9.64E-07	2.58E-06	1.93E-06	4.51E-06	4.22E-07	3.74E-07	7.97E-07	3.16E-07	1.91E-07	5.07E-07
2769	562879.67	4234292.5	3.31E-06	2.73E-06	6.05E-06	5.62E-07	4.38E-07	1.00E-06	2.68E-06	2.00E-06	4.68E-06	4.38E-07	3.88E-07	8.27E-07	3.27E-07	1.98E-07	5.26E-07
2770	562888.4	4234289.71	3.43E-06	2.83E-06	6.26E-06	5.82E-07	4.53E-07	1.04E-06	2.77E-06	2.07E-06	4.84E-06	4.54E-07	4.02E-07	8.56E-07	3.39E-07	2.05E-07	5.44E-07
2771	562897.13	4234286.91	3.54E-06	2.92E-06	6.46E-06	6.01E-07	4.68E-07	1.07E-06	2.86E-06	2.14E-06	5.00E-06	4.68E-07	4.15E-07	8.83E-07	3.50E-07	2.12E-07	5.62E-07
2772	562905.86	4234284.12	3.65E-06	3.00E-06	6.65E-06	6.19E-07	4.82E-07	1.10E-06	2.94E-06	2.20E-06	5.15E-06	4.82E-07	4.27E-07	9.09E-07	3.60E-07	2.18E-07	5.78E-07
2773	562914.59	4234281.33	3.74E-06	3.08E-06	6.82E-06	6.35E-07	4.94E-07	1.13E-06	3.02E-06	2.26E-06	5.28E-06	4.95E-07	4.38E-07	9.33E-07	3.69E-07	2.24E-07	5.93E-07
2774	562923.32	4234278.53	3.82E-06	3.15E-06	6.97E-06	6.49E-07	5.05E-07	1.15E-06	3.09E-06	2.31E-06	5.40E-06	5.06E-07	4.48E-07	9.54E-07	3.78E-07	2.29E-07	6.06E-07
2775	562932.05	4234275.74	3.89E-06	3.21E-06	7.10E-06	6.61E-07	5.14E-07	1.18E-06	3.14E-06	2.35E-06	5.50E-06	5.15E-07	4.56E-07	9.71E-07	3.85E-07	2.33E-07	6.18E-07
2776	562940.78	4234272.94	3.95E-06	3.25E-06	7.20E-06	6.70E-07	5.22E-07	1.19E-06	3.19E-06	2.39E-06	5.58E-06	5.22E-07	4.63E-07	9.85E-07	3.90E-07	2.36E-07	6.26E-07
2777	562949.51	4234270.15	3.99E-06	3.29E-06	7.28E-06	6.77E-07	5.27E-07	1.20E-06	3.22E-06	2.41E-06	5.63E-06	5.28E-07	4.68E-07	9.95E-07	3.94E-07	2.39E-07	6.33E-07
2778	562958.24	4234267.35	4.01E-06	3.31E-06	7.32E-06	6.81E-07	5.30E-07	1.21E-06	3.24E-06	2.43E-06	5.66E-06	5.31E-07	4.70E-07	1.00E-06	3.96E-07	2.40E-07	6.36E-07
2779	562966.97	4234264.56	4.02E-06	3.31E-06	7.33E-06	6.82E-07	5.31E-07	1.21E-06	3.24E-06	2.43E-06	5.67E-06	5.31E-07	4.71E-07	1.00E-06	3.97E-07	2.40E-07	6.37E-07
2780	562993.16	4234256.18	3.92E-06	3.23E-06	7.15E-06	6.65E-07	5.18E-07	1.18E-06	3.17E-06	2.37E-06	5.54E-06	5.19E-07	4.60E-07	9.78E-07	3.87E-07	2.35E-07	6.22E-07
2781	563001.89	4234253.38	3.85E-06	3.18E-06	7.03E-06	6.54E-07	5.09E-07	1.16E-06	3.11E-06	2.33E-06	5.44E-06	5.10E-07	4.52E-07	9.61E-07	3.81E-07	2.31E-07	6.11E-07
2782	563010.62	4234250.59	3.77E-06	3.11E-06	6.88E-06	6.40E-07	4.98E-07	1.14E-06	3.04E-06	2.28E-06	5.32E-06	4.99E-07	4.42E-07	9.41E-07	3.72E-07	2.26E-07	5.98E-07
2783	563019.35	4234247.8	3.67E-06	3.03E-06	6.70E-06	6.23E-07	4.85E-07	1.11E-06	2.97E-06	2.22E-06	5.19E-06	4.86E-07	4.31E-07	9.16E-07	3.63E-07	2.20E-07	5.83E-07
2784	563028.08	4234245	3.56E-06	2.94E-06	6.50E-06	6.05E-07	4.71E-07	1.08E-06	2.88E-06	2.15E-06	5.03E-06	4.71E-07	4.18E-07	8.89E-07	3.52E-07	2.13E-07	5.65E-07
2785	563036.81	4234242.21	3.44E-06	2.84E-06	6.28E-06	5.84E-07	4.55E-07	1.04E-06	2.78E-06	2.08E-06	4.86E-06	4.55E-07	4.04E-07	8.59E-07	3.40E-07	2.06E-07	5.46E-07
2786	563045.54	4234239.41	3.32E-06	2.73E-06	6.05E-06	5.63E-07	4.38E-07	1.00E-06	2.68E-06	2.00E-06	4.68E-06	4.39E-07	3.89E-07	8.27E-07	3.28E-07	1.98E-07	5.26E-07

2787	563054.27	4234236.62	3.18E-06	2.62E-06	5.81E-06	5.40E-07	4.20E-07	9.61E-07	2.57E-06	1.92E-06	4.49E-06	4.21E-07	3.73E-07	7.94E-07	3.14E-07	1.91E-07	5.05E-07
2788	563063	4234233.82	3.05E-06	2.51E-06	5.56E-06	5.17E-07	4.02E-07	9.19E-07	2.46E-06	1.84E-06	4.30E-06	4.03E-07	3.57E-07	7.60E-07	3.01E-07	1.82E-07	4.83E-07
2789	563071.73	4234231.03	2.89E-06	2.38E-06	5.27E-06	4.91E-07	3.82E-07	8.73E-07	2.33E-06	1.75E-06	4.08E-06	3.82E-07	3.39E-07	7.21E-07	2.86E-07	1.73E-07	4.59E-07
2790	563080.46	4234228.24	2.74E-06	2.26E-06	5.00E-06	4.65E-07	3.62E-07	8.26E-07	2.21E-06	1.66E-06	3.87E-06	3.62E-07	3.21E-07	6.83E-07	2.70E-07	1.64E-07	4.34E-07
2791	563089.19	4234225.44	2.59E-06	2.13E-06	4.72E-06	4.39E-07	3.42E-07	7.82E-07	2.09E-06	1.57E-06	3.66E-06	3.43E-07	3.04E-07	6.46E-07	2.56E-07	1.55E-07	4.11E-07
2792	563097.92	4234222.65	2.45E-06	2.02E-06	4.48E-06	4.17E-07	3.24E-07	7.41E-07	1.98E-06	1.48E-06	3.47E-06	3.25E-07	2.88E-07	6.12E-07	2.42E-07	1.47E-07	3.89E-07
2793	563106.65	4234219.85	2.33E-06	1.92E-06	4.26E-06	3.96E-07	3.08E-07	7.04E-07	1.88E-06	1.41E-06	3.29E-06	3.09E-07	2.73E-07	5.82E-07	2.30E-07	1.40E-07	3.70E-07
2794	563115.38	4234217.06	2.22E-06	1.83E-06	4.04E-06	3.76E-07	2.93E-07	6.69E-07	1.79E-06	1.34E-06	3.13E-06	2.93E-07	2.60E-07	5.53E-07	2.19E-07	1.33E-07	3.52E-07
2795	562671.19	4234597.03	1.82E-06	1.50E-06	3.31E-06	3.08E-07	2.40E-07	5.48E-07	1.47E-06	1.10E-06	2.56E-06	2.40E-07	2.13E-07	4.53E-07	1.79E-07	1.09E-07	2.88E-07
2796	562670.39	4234606.35	1.82E-06	1.50E-06	3.32E-06	3.09E-07	2.41E-07	5.50E-07	1.47E-06	1.10E-06	2.57E-06	2.41E-07	2.13E-07	4.54E-07	1.80E-07	1.09E-07	2.89E-07
2797	562669.6	4234615.67	1.82E-06	1.50E-06	3.32E-06	3.09E-07	2.40E-07	5.49E-07	1.47E-06	1.10E-06	2.57E-06	2.41E-07	2.13E-07	4.54E-07	1.80E-07	1.09E-07	2.89E-07
2798	562668.8	4234624.98	1.81E-06	1.49E-06	3.31E-06	3.08E-07	2.40E-07	5.47E-07	1.46E-06	1.10E-06	2.56E-06	2.40E-07	2.13E-07	4.53E-07	1.79E-07	1.09E-07	2.88E-07
2799	562668	4234634.3	1.80E-06	1.48E-06	3.29E-06	3.06E-07	2.38E-07	5.44E-07	1.45E-06	1.09E-06	2.54E-06	2.38E-07	2.11E-07	4.49E-07	1.78E-07	1.08E-07	2.86E-07
2800	562667.2	4234643.62	1.78E-06	1.47E-06	3.25E-06	3.02E-07	2.35E-07	5.38E-07	1.44E-06	1.08E-06	2.52E-06	2.36E-07	2.09E-07	4.45E-07	1.76E-07	1.07E-07	2.83E-07
2801	562666.41	4234652.94	1.76E-06	1.45E-06	3.21E-06	2.98E-07	2.32E-07	5.30E-07	1.42E-06	1.06E-06	2.48E-06	2.32E-07	2.06E-07	4.39E-07	1.74E-07	1.05E-07	2.79E-07
2802	562665.61	4234662.25	1.73E-06	1.42E-06	3.15E-06	2.93E-07	2.28E-07	5.21E-07	1.40E-06	1.04E-06	2.44E-06	2.28E-07	2.02E-07	4.31E-07	1.71E-07	1.03E-07	2.74E-07
2803	562664.81	4234671.57	1.70E-06	1.40E-06	3.10E-06	2.89E-07	2.25E-07	5.14E-07	1.37E-06	1.03E-06	2.40E-06	2.25E-07	1.99E-07	4.24E-07	1.68E-07	1.02E-07	2.70E-07
2804	562664.01	4234680.89	1.68E-06	1.38E-06	3.06E-06	2.85E-07	2.22E-07	5.06E-07	1.35E-06	1.01E-06	2.37E-06	2.22E-07	1.97E-07	4.18E-07	1.66E-07	1.00E-07	2.66E-07
2805	562663.22	4234690.21	1.65E-06	1.36E-06	3.00E-06	2.79E-07	2.18E-07	4.97E-07	1.33E-06	9.95E-07	2.33E-06	2.18E-07	1.93E-07	4.11E-07	1.63E-07	9.86E-08	2.61E-07
2806	562662.42	4234699.52	1.61E-06	1.32E-06	2.93E-06	2.73E-07	2.12E-07	4.85E-07	1.30E-06	9.71E-07	2.27E-06	2.12E-07	1.88E-07	4.01E-07	1.59E-07	9.61E-08	2.55E-07
2807	562661.62	4234708.84	1.55E-06	1.28E-06	2.83E-06	2.63E-07	2.05E-07	4.68E-07	1.25E-06	9.38E-07	2.19E-06	2.05E-07	1.82E-07	3.87E-07	1.53E-07	9.29E-08	2.46E-07
2808	562635.58	4234585.41	1.68E-06	1.38E-06	3.06E-06	2.85E-07	2.22E-07	5.06E-07	1.35E-06	1.01E-06	2.37E-06	2.22E-07	1.97E-07	4.19E-07	1.66E-07	1.00E-07	2.66E-07
2809	562639.83	4234577.19	1.67E-06	1.38E-06	3.05E-06	2.84E-07	2.21E-07	5.04E-07	1.35E-06	1.01E-06	2.36E-06	2.21E-07	1.96E-07	4.17E-07	1.65E-07	1.00E-07	2.65E-07
2810	562644.08	4234568.98	1.66E-06	1.37E-06	3.03E-06	2.82E-07	2.19E-07	5.01E-07	1.34E-06	1.00E-06	2.35E-06	2.20E-07	1.95E-07	4.14E-07	1.64E-07	9.94E-08	2.64E-07
2811	562648.33	4234560.77	1.66E-06	1.37E-06	3.02E-06	2.81E-07	2.19E-07	5.00E-07	1.34E-06	1.00E-06	2.34E-06	2.19E-07	1.94E-07	4.14E-07	1.64E-07	9.92E-08	2.63E-07
2812	562652.57	4234552.55	1.65E-06	1.36E-06	3.01E-06	2.80E-07	2.18E-07	4.98E-07	1.33E-06	9.98E-07	2.33E-06	2.18E-07	1.94E-07	4.12E-07	1.63E-07	9.88E-08	2.62E-07
2813	562656.82	4234544.34	1.64E-06	1.35E-06	2.99E-06	2.79E-07	2.17E-07	4.95E-07	1.33E-06	9.92E-07	2.32E-06	2.17E-07	1.92E-07	4.10E-07	1.62E-07	9.83E-08	2.60E-07
2814	562661.07	4234536.13	1.63E-06	1.34E-06	2.97E-06	2.77E-07	2.15E-07	4.92E-07	1.32E-06	9.85E-07	2.30E-06	2.16E-07	1.91E-07	4.07E-07	1.61E-07	9.76E-08	2.59E-07
2815	562665.32	4234527.91	1.62E-06	1.33E-06	2.95E-06	2.74E-07	2.14E-07	4.88E-07	1.31E-06	9.77E-07	2.28E-06	2.14E-07	1.90E-07	4.03E-07	1.60E-07	9.68E-08	2.57E-07
2816	562669.56	4234519.7	1.60E-06	1.32E-06	2.92E-06	2.72E-07	2.12E-07	4.84E-07	1.29E-06	9.69E-07	2.26E-06	2.12E-07	1.88E-07	4.00E-07	1.58E-07	9.59E-08	2.54E-07
2817	562673.81	4234511.49	1.59E-06	1.31E-06	2.89E-06	2.69E-07	2.10E-07	4.79E-07	1.28E-06	9.59E-07	2.24E-06	2.10E-07	1.86E-07	3.96E-07	1.57E-07	9.50E-08	2.52E-07
2818	562678.06	4234503.27	1.57E-06	1.29E-06	2.86E-06	2.66E-07	2.07E-07	4.74E-07	1.27E-06	9.49E-07	2.22E-06	2.08E-07	1.84E-07	3.92E-07	1.55E-07	9.40E-08	2.49E-07
2819	562682.31	4234495.06	1.55E-06	1.28E-06	2.83E-06	2.63E-07	2.05E-07	4.69E-07	1.25E-06	9.39E-07	2.19E-06	2.05E-07	1.82E-07	3.87E-07	1.53E-07	9.29E-08	2.46E-07
2820	562686.55	4234486.85	1.54E-06	1.27E-06	2.80E-06	2.61E-07	2.03E-07	4.63E-07	1.24E-06	9.28E-07	2.17E-06	2.03E-07	1.80E-07	3.83E-07	1.52E-07	9.19E-08	2.44E-07
2821	562690.8	4234478.63	1.52E-06	1.25E-06	2.77E-06	2.58E-07	2.01E-07	4.58E-07	1.23E-06	9.18E-07	2.14E-06	2.01E-07	1.78E-07	3.79E-07	1.50E-07	9.09E-08	2.41E-07
2822	562695.05	4234470.42	1.50E-06	1.24E-06	2.74E-06	2.55E-07	1.99E-07	4.54E-07	1.21E-06	9.09E-07	2.12E-06	1.99E-07	1.76E-07	3.75E-07	1.48E-07	9.00E-08	2.38E-07
2823	562699.3	4234462.21	1.49E-06	1.23E-06	2.72E-06	2.53E-07	1.97E-07	4.49E-07	1.20E-06	9.00E-07	2.10E-06	1.97E-07	1.75E-07	3.71E-07	1.47E-07	8.91E-08	2.36E-07
2824	562703.54	4234453.99	1.48E-06	1.22E-06	2.69E-06	2.51E-07	1.95E-07	4.46E-07	1.19E-06	8.93E-07	2.09E-06	1.95E-07	1.73E-07	3.68E-07	1.46E-07	8.84E-08	2.34E-07
2825	562707.79	4234445.78	1.48E-06	1.22E-06	2.69E-06	2.51E-07	1.95E-07	4.46E-07	1.19E-06	8.93E-07	2.09E-06	1.95E-07	1.73E-07	3.68E-07	1.46E-07	8.84E-08	2.34E-07
2826	562712.04	4234437.57	1.48E-06	1.22E-06	2.70E-06	2.51E-07	1.96E-07	4.47E-07	1.20E-06	8.95E-07	2.09E-06	1.96E-07	1.74E-07	3.69E-07	1.46E-07	8.86E-08	2.35E-07
2827	562716.29	4234429.35	1.49E-06	1.23E-06	2.72E-06	2.53E-07	1.97E-07	4.49E-07	1.20E-06	9.00E-07	2.10E-06	1.97E-07	1.74E-07	3.71E-07	1.47E-07	8.91E-08	2.36E-07
2828	562720.53	4234421.14	1.50E-06	1.24E-06	2.74E-06	2.55E-07	1.98E-07	4.53E-07	1.21E-06	9.07E-07	2.12E-06	1.99E-07	1.76E-07	3.74E-07	1.48E-07	8.98E-08	2.38E-07
2829	562724.78	4234412.93	1.52E-06	1.25E-06	2.77E-06	2.58E-07	2.01E-07	4.58E-07	1.23E-06	9.18E-07	2.14E-06	2.01E-07	1.78E-07	3.79E-07	1.50E-07	9.09E-08	2.41E-07
2830	562729.03	4234404.71	1.54E-06	1.27E-06	2.81E-06	2.61E-07	2.04E-07	4.65E-07	1.24E-06	9.31E-07	2.18E-06	2.04E-07	1.81E-07	3.84E-07	1.52E-07	9.22E-08	2.44E-07
2831	562733.28	4234396.5	1.57E-06	1.29E-06	2.86E-06	2.66E-07	2.07E-07	4.73E-07	1.27E-06	9.48E-07	2.21E-06	2.07E-07	1.84E-07	3.91E-07	1.55E-07	9.39E-08	2.49E-07
2832	562737.52	4234388.29	1.59E-06	1.31E-06	2.91E-06	2.70E-07	2.10E-07	4.81E-07	1.29E-06	9.63E-07	2.25E-06	2.11E-07	1.87E-07	3.97E-07	1.57E-07	9.53E-08	2.53E-07
2833	562741.77	4234380.07	1.62E-06	1.34E-06	2.96E-06	2.75E-07	2.14E-07	4.89E-07	1.31E-06	9.80E-07	2.29E-06	2.14E-07	1.90E-07	4.04E-07	1.60E-07	9.70E-08	2.57E-07
2834	562746.02	4234371.86	1.65E-06	1.36E-06	3.02E-06	2.81E-07	2.19E-07	4.99E-07	1.34E-06	1.00E-06	2.34E-06	2.19E-07	1.94E-07	4.13E-07	1.63E-07	9.90E-08	2.62E-07
2835	562750.27	4234363.65	1.69E-06	1.39E-06	3.09E-06	2.87E-07	2.23E-07	5.11E-07	1.37E-06	1.02E-06	2.39E-06	2.24E-07	1.98E-07	4.22E-07	1.67E-07	1.01E-07	2.68E-07
2836	562754.51	4234355.43	1.73E-06	1.43E-06	3.16E-06	2.94E-07	2.29E-07	5.23E-07	1.40E-06	1.05E-06	2.45E-06	2.29E-07	2.03E-07	4.32E-07	1.71E-07	1.04E-07	2.75E-07
2837	562758.76	4234347.22	1.78E-06	1.47E-06	3.24E-06	3.02E-07	2.35E-07	5.37E-07	1.44E-06	1.07E-06	2.51E-06	2.35E-07	2.08E-07	4.44E-07	1.76E-07	1.06E-07	2.82E-07
2838	562763.01	4234339	1.83E-06	1.50E-06	3.33E-06	3.10E-07	2.41E-07	5.51E-07	1.47E-06	1.10E-06	2.58E-06	2.41E-07	2.14E-07	4.55E-07	1.80E-07	1.09E-07	2.90E-07
2839	562767.26	4234330.79	1.88E-06	1.55E-06	3.42E-06	3.18E-07	2.48E-07	5.66E-07	1.51E-06	1.13E-06	2.65E-06	2.48E-07	2.20E-07	4.68E-07	1.85E-07	1.12E-07	2.98E-07
2840	562771.5	4234322.58	1.93E-06	1.59E-06	3.52E-06	3.27E-07	2.55E-07	5.82E-07	1.56E-06	1.17E-06	2.72E-06	2.55E-07	2.26E-07	4.81E-07	1.90E-07	1.15E-07	3.06E-07
2841	562775.75	4234314.36	1.98E-06	1.63E-06	3.61E-06	3.36E-07	2.62E-07	5.98E-07	1.60E-06	1.20E-06	2.80E-06	2.62E-07	2.32E-07	4.94E-07	1.96E-07	1.19E-07	3.14E-07
2842	562780	4234306.15	2.04E-06	1.68E-06	3.71E-06	3.45E-07	2.69E-07	6.14E-07	1.64E-06	1.23E-06	2.87E-06	2.69E-07	2.39E-07	5.08E-07	2.01E-07	1.22E-07	3.23E-07
2843	562784.25	4234297.94	2.09E-06	1.72E-06	3.81E-06	3.55E-07	2.76E-07	6.31E-07	1.69E-06	1.26E-06	2.95E-06	2.76E-07	2.45E-07	5.21E-07	2.06E-07	1.25E-07	3.32E-07
2844	562788.49	4234289.72	2.14E-06	1.77E-06	3.91E-06	3.64E-07	2.83E-07	6.47E-07	1.73E-06	1.30E-06	3.03E-06	2.84E-07	2.51E-07	5.35E-07	2.12E-07	1.28E-07	3.40E-07
2845	562801.55	4234278.69	2.30E-06	1.89E-06	4.19E-06	3.90E-07	3.04E-07	6.93E-07	1.86E-06	1.39E-06	3.24E-06	3.04E-07	2.69E-07	5.73E-07	2.27E-07	1.38E-07	3.65E-07
2846	562810.35	4234275.87	2.40E-06	1.98E-06	4.38E-06	4.07E-07	3.17E-07	7.24E-07	1.94E-06	1.45E-06	3.39E-06	3.17E-07	2.81E-07	5.99E-07	2.37E-07	1.44E-07	3.81E-07
2847	562819.16	4234273.05	2.50E-06	2.06E-06	4.57E-06	4.25E-07	3.31E-07	7.56E-07	2.02E-06	1.51E-06	3.54E-06	3.31E-07	2.94E-07	6.25E-07	2.47E-07	1.50E-07	3.97E-07
2848	562827.97	4234270.24	2.61E-06	2.15E-06	4.76E-06	4.43E-07	3.45E-07	7.88E-07	2.11E-06	1.58E-06	3.69E-06	3.45E-07	3.06E-07	6.51E-07	2.58E-07	1.56E-07	4.14E-07
2849	562836.77	4234267.42	2.72E-06	2.24E-06	4.96E-06	4.61E-07	3.59E-07	8.20E-07	2.19E-06	1.64E-06	3.84E-06	3.59E-07	3.18E-07	6.78E-07	2.68E-07	1.63E-07	4.31E-07
2850	562845.58	4234264.6	2.83E-06	2.33E-06	5.15E-06	4.79E-07	3.73E-07	8.52E-07	2.28E-06	1.71E-06	3.99E-06	3.74E-07	3.31E-07	7.05E-07	2.79E-07	1.69E-07	4.48E-07
2851	562854.39	4234261.78	2.93E-06	2.42E-06	5.35E-06	4.97E-07	3.87E-07	8.85E-07	2.37E-06	1.77E-06	4.14E-06	3.88E-07	3.44E-07	7.31E-07	2.89E-07	1.75E-07	4.65E-07
2852	562863.19	4234258.96	3.04E-06	2.50E-06	5.54E-06	5.15E-07	4.01E-07	9.16E-07	2.45E-06	1.83E-06	4.29E-06	4.01E-07	3.56E-07	7.57E-07	3.00E-07	1.82E-07	4.81E-07
2853	562872	4234256.14	3.14E-06	2.58E-06	5.72E-06	5.32E-07	4.14E-07	9.46E-07	2.53E-06	1.90E-06	4.43E-06	4.15E-07	3.68E-07	7.82E-07	3.10E-07	1.88E-07	4.97E-07
2854	562880.81	4234253.32	3.23E-06	2.66E-06	5.89E-06	5.48E-07	4.27E-07	9.75E-07	2.61E-06	1.95E-06	4.56E-06	4.27E-07	3.79E-07	8.06E-07	3.19E-07	1.93E-07	5.13E-07
2855	562889.61	4234250.51	3.32E-06	2.74E-06	6.06E-06	5.64E-07	4.39E-07	1.00E-06	2.68E-06	2.01E-06	4.69E-06	4.39E-07	3.89E-07	8.29E-07	3.28E-07	1.99E-07	5.27E-07
2856	562898.42	4234247.69	3.40E-06	2.80E-06	6.21E-06	5.77E-07	4.50E-07	1.03E-06	2.75E-06	2.06E-06	4.80E-06	4.50E-07	3.99E-07	8.49E-07	3.36E-07	2.04E-07	5.40E-07
2857	562907.23	4234244.87	3.48E-06	2.86E-06	6.34E-06	5.90E-07	4.59E-07	1.05E-06	2.81E-06	2.10E-06	4.91E-06	4.60E-07	4.07E-07	8.67E-07	3.43E-07	2.08E-07	5.51E-07
2858	562916.03	4234242.05	3.54E-06	2.91E-06	6.45E-06	6.00E-07	4.67E-07	1.07E-06	2.86E-06	2.14E-06	4.99E-06	4.68E-07	4.15E-07	8.82E-07	3.49E-07	2.12E-07	5.61E-07
2859	562924.84	4234239.23	3.59E-06	2.96E-06	6.54E-06	6.09E-07	4.74E-07	1.08E-06	2.90E-06	2.17E-06	5.06E-06	4.74E-07	4.20E-07	8.95E-07	3.54E-07	2.15E-07	5.69E-07
2860	562933.65	4234236.41	3.62E-06	2.99E-06	6.61E-06	6.15E-07	4.79E-07	1.09E-06	2.93E-06	2.19E-06	5.12E-06	4.79E-07	4.25E-07	9.04E-07	3.58E-07	2.17E-07	5.75E-07
2861	562942.45	4234233.59	3.64E-06	3.00E-06	6.65E-06	6.18E-07	4.81E-07	1.10E-06	2.94E-06	2.20E-06	5.15E-06	4.82E-07	4.27E-07	9.09E-07	3.60E-07	2.18E-07	5.78E-07
2862	562951.26	4234230.77	3.65E-06	3.01E-06	6.66E-06	6.20E-07	4.82E-07	1.10E-06	2.95E-06	2.21E-06	5.16E-06	4.83E-07	4.28E-07	9.11E-07	3.61E-07	2.19E-07	5.79E-07
2863	562960.07	4234227.96	3.64E-06	3.00E-06	6.64E-06	6.18E-07	4.81E-07	1.10E-06	2.94E-06	2.20E-06	5.14E-06	4.82E-07	4.27E-07	9.09E-07	3.60E-07	2.18E-07	5.78E-07
2864	562968.87	4234225.14	3.62E-06	2.98E-06	6.60E-06	6.14E-07	4.78E-07	1.09E-06	2.92E-06	2.19E-06	5.11E-06	4.79E-07	4.24E-07	9.03E-07	3.57E-07	2.17E-07	5.74E-07
2865	563004.1	4234213.86	3.38E-06	2.78E-06	6.16E-06	5.73E-07	4.46E-07	1.02E-06	2.73E-06	2.04E-06	4.77E-06	4.46E-07	3.96E-07	8.42E-07	3.33E-07	2.02E-07	5.35E-07
2866	563012.91	4234211.04	3.28E-06	2.71E-06	5.99E-06	5.57E-07	4.34E-07	9.91E-07	2.65E-06	1.98E-06	4.64E-06	4.34E-07	3.85E-07	8.19E-07	3.24E-07	1.97E-07	5.21E-07
2867	563021.71	4234208.22	3.18E-06	2.62E-06	5.81E-06	5.40E-07	4.20E-07	9.61E-07	2.57E-06	1.92E-06	4.49E-06	4.21E-07	3.73E-07	7.94E-07	3.14E-07	1.91E-07	5.05E-07
2868	563030.52	4234205.41	3.08E-06	2.53E-06	5.61E-06	5.22E-07	4.06E-07	9.28E-07	2.48E-06	1.86E-06	4.34E-06	4.07E-07	3.60E-07	7.67E-07	3.04E-07	1.84E-07	4.88E-07
2869	563039.33	4234202.59	2.96E-06	2.43E-06	5.39E-06	5.01E-07	3.90E-07	8.92E-07	2.39E-06	1.79E-06	4.17E-06	3.91E-07	3.46E-07	7.37E-07	2.92E-07	1.77E-07	4.69E-07
2870	563048.13	4234199.77	2.83E-06	2.33E-06	5.16E-06	4.80E-07	3.73E-07	8.53E-07	2.28E-06	1.71E-06	3.99E-06	3.74E-07	3.31E-07	7.05E-07	2.79E-07	1.69E-07	4.49E-07
2871	563056.94	4234196.95	2.70E-06	2.22E-06	4.92E-06	4.57E-07	3.56E-07	8.13E-07	2.18E-06	1.63E-06	3.80E-06	3.56E-07	3.16E-07	6.72E-07	2.66E-07	1.61E-07	4.27E-07
2872	563065.75	4234194.13	2.56E-06	2.11E-06	4.67E-06	4.35E-07	3.38E-07	7.73E-07	2.07E-06	1.55E-06	3.62E-06	3.39E-07	3.00E-07	6.39E-07	2.53E-07	1.53E-07	4.06E-07
2873	563074.55	4234191.31	2.44E-06	2.01E-06	4.45E-06	4.14E-07	3.22E-07	7.36E-07	1.97E-06	1.47E-06	3.44E-06	3.22E-07	2.86E-07	6.08E-07	2.41E-07	1.46E-07	3.87E-07
2874	563083.36	4234188.49	2.32E-06	1.91E-06	4.23E-06	3.94E-07	3.06E-07	7.00E-07	1.87E-06	1.40E-06	3.28E-06	3.07E-07	2.72E-07	5.79E-07	2.29E-07	1.39E-07	3.68E-07
2875	563092.17	4234185.68	2.21E-06	1.82E-06	4.03E-06	3.75E-07	2.92E-07	6.66E-07	1.78E-06	1.33E-06	3.12E-06	2.92E-07	2.59E-07	5.51E-07	2.18E-07	1.32E-07	3.50E-07
2876	563100.97	4234182.86	2.10E-06	1.73E-06	3.84E-06	3.57E-07	2.78E-07	6.35E-07	1.70E-06	1.27E-06	2.97E-06	2.78E-07	2.46E-07	5.25E-07	2.08E-07	1.26E-07	3.34E-07
2877	563109.78	4234180.04	2.00E-06	1.65E-06	3.65E-06	3.40E-07	2.64E-07	6.04E-07	1.62E-06	1.21E-06	2.83E-06	2.65E-07	2.35E-07	4.99E-07	1.98E-07	1.20E-07	3.18E-07
2878	563118.59	4234177.22	1.91E-06	1.57E-06	3.48E-06	3.24E-07	2.52E-07	5.76E-07	1.54E-06	1.15E-06	2.69E-06	2.52E-07	2.24E-07	4.76E-07	1.88E-07	1.14E-07	3.03E-07
2879	562631.34	4234593.62	1.68E-06	1.38E-06	3.06E-06	2.85E-07	2.22E-07	5.07E-07	1.36E-06	1.02E-06	2.37E-06	2.22E-07	1.97E-07	4.19E-07	1.66E-07	1.01E-07	2.67E-07

2880	562630.54	4234602.94	1.68E-06	1.39E-06	3.07E-06	2.86E-07	2.22E-07	5.08E-07	1.36E-06	1.02E-06	2.38E-06	2.23E-07	1.97E-07	4.20E-07	1.66E-07	1.01E-07	2.67E-07
2881	562629.74	4234612.26	1.68E-06	1.39E-06	3.07E-06	2.85E-07	2.22E-07	5.07E-07	1.36E-06	1.02E-06	2.37E-06	2.22E-07	1.97E-07	4.19E-07	1.66E-07	1.01E-07	2.67E-07
2882	562628.94	4234621.57	1.67E-06	1.38E-06	3.05E-06	2.84E-07	2.21E-07	5.05E-07	1.35E-06	1.01E-06	2.36E-06	2.21E-07	1.96E-07	4.17E-07	1.65E-07	1.00E-07	2.65E-07
2883	562628.15	4234630.89	1.66E-06	1.37E-06	3.03E-06	2.82E-07	2.19E-07	5.01E-07	1.34E-06	1.00E-06	2.34E-06	2.20E-07	1.95E-07	4.14E-07	1.64E-07	9.94E-08	2.63E-07
2884	562627.35	4234640.21	1.64E-06	1.35E-06	3.00E-06	2.79E-07	2.17E-07	4.96E-07	1.33E-06	9.93E-07	2.32E-06	2.17E-07	1.93E-07	4.10E-07	1.62E-07	9.83E-08	2.61E-07
2885	562626.55	4234649.53	1.62E-06	1.33E-06	2.95E-06	2.75E-07	2.14E-07	4.89E-07	1.31E-06	9.79E-07	2.29E-06	2.14E-07	1.90E-07	4.04E-07	1.60E-07	9.69E-08	2.57E-07
2886	562625.75	4234658.84	1.59E-06	1.31E-06	2.90E-06	2.70E-07	2.10E-07	4.80E-07	1.28E-06	9.62E-07	2.25E-06	2.10E-07	1.86E-07	3.97E-07	1.57E-07	9.52E-08	2.52E-07
2887	562624.96	4234668.16	1.56E-06	1.28E-06	2.84E-06	2.65E-07	2.06E-07	4.71E-07	1.26E-06	9.42E-07	2.20E-06	2.06E-07	1.83E-07	3.89E-07	1.54E-07	9.33E-08	2.47E-07
2888	562624.16	4234677.48	1.52E-06	1.25E-06	2.78E-06	2.58E-07	2.01E-07	4.60E-07	1.23E-06	9.21E-07	2.15E-06	2.01E-07	1.78E-07	3.80E-07	1.50E-07	9.12E-08	2.42E-07
2889	562623.36	4234686.8	1.48E-06	1.22E-06	2.71E-06	2.52E-07	1.96E-07	4.48E-07	1.20E-06	8.97E-07	2.09E-06	1.96E-07	1.74E-07	3.70E-07	1.47E-07	8.88E-08	2.35E-07
2890	562622.56	4234696.11	1.44E-06	1.19E-06	2.63E-06	2.45E-07	1.90E-07	4.35E-07	1.16E-06	8.72E-07	2.04E-06	1.91E-07	1.69E-07	3.60E-07	1.42E-07	8.63E-08	2.29E-07
2891	562621.77	4234705.43	1.40E-06	1.15E-06	2.55E-06	2.37E-07	1.85E-07	4.22E-07	1.13E-06	8.45E-07	1.97E-06	1.85E-07	1.64E-07	3.49E-07	1.38E-07	8.37E-08	2.22E-07
2892	562595.76	4234581.94	1.58E-06	1.30E-06	2.89E-06	2.69E-07	2.09E-07	4.78E-07	1.28E-06	9.57E-07	2.24E-06	2.09E-07	1.86E-07	3.95E-07	1.56E-07	9.48E-08	2.51E-07
2893	562600.04	4234573.66	1.59E-06	1.31E-06	2.90E-06	2.70E-07	2.10E-07	4.80E-07	1.28E-06	9.61E-07	2.25E-06	2.10E-07	1.86E-07	3.97E-07	1.57E-07	9.52E-08	2.52E-07
2894	562604.32	4234565.39	1.59E-06	1.31E-06	2.91E-06	2.70E-07	2.11E-07	4.81E-07	1.29E-06	9.63E-07	2.25E-06	2.11E-07	1.87E-07	3.98E-07	1.57E-07	9.54E-08	2.53E-07
2895	562608.6	4234557.11	1.59E-06	1.31E-06	2.91E-06	2.70E-07	2.10E-07	4.81E-07	1.29E-06	9.63E-07	2.25E-06	2.11E-07	1.87E-07	3.97E-07	1.57E-07	9.54E-08	2.53E-07
2896	562612.88	4234548.84	1.59E-06	1.31E-06	2.90E-06	2.70E-07	2.10E-07	4.80E-07	1.28E-06	9.61E-07	2.24E-06	2.10E-07	1.86E-07	3.96E-07	1.57E-07	9.51E-08	2.52E-07
2897	562617.16	4234540.56	1.57E-06	1.30E-06	2.87E-06	2.67E-07	2.08E-07	4.75E-07	1.27E-06	9.51E-07	2.22E-06	2.08E-07	1.84E-07	3.93E-07	1.55E-07	9.42E-08	2.50E-07
2898	562621.43	4234532.29	1.55E-06	1.28E-06	2.83E-06	2.64E-07	2.05E-07	4.69E-07	1.25E-06	9.39E-07	2.19E-06	2.05E-07	1.82E-07	3.88E-07	1.53E-07	9.30E-08	2.46E-07
2899	562625.71	4234524.01	1.53E-06	1.26E-06	2.79E-06	2.60E-07	2.02E-07	4.62E-07	1.24E-06	9.26E-07	2.16E-06	2.03E-07	1.80E-07	3.82E-07	1.51E-07	9.17E-08	2.43E-07
2900	562629.99	4234515.74	1.51E-06	1.24E-06	2.75E-06	2.56E-07	1.99E-07	4.55E-07	1.22E-06	9.11E-07	2.13E-06	1.99E-07	1.77E-07	3.76E-07	1.49E-07	9.03E-08	2.39E-07
2901	562634.27	4234507.47	1.48E-06	1.22E-06	2.71E-06	2.52E-07	1.96E-07	4.48E-07	1.20E-06	8.96E-07	2.09E-06	1.96E-07	1.74E-07	3.70E-07	1.46E-07	8.88E-08	2.35E-07
2902	562638.55	4234499.19	1.46E-06	1.20E-06	2.66E-06	2.47E-07	1.92E-07	4.40E-07	1.18E-06	8.81E-07	2.06E-06	1.93E-07	1.71E-07	3.63E-07	1.44E-07	8.72E-08	2.31E-07
2903	562642.83	4234490.92	1.43E-06	1.18E-06	2.61E-06	2.43E-07	1.89E-07	4.32E-07	1.16E-06	8.65E-07	2.02E-06	1.89E-07	1.68E-07	3.57E-07	1.41E-07	8.56E-08	2.27E-07
2904	562647.11	4234482.64	1.41E-06	1.16E-06	2.57E-06	2.39E-07	1.86E-07	4.26E-07	1.14E-06	8.53E-07	1.99E-06	1.87E-07	1.65E-07	3.52E-07	1.39E-07	8.45E-08	2.24E-07
2905	562651.39	4234474.37	1.39E-06	1.15E-06	2.54E-06	2.36E-07	1.84E-07	4.20E-07	1.13E-06	8.42E-07	1.97E-06	1.84E-07	1.63E-07	3.48E-07	1.38E-07	8.34E-08	2.21E-07
2906	562655.67	4234466.09	1.38E-06	1.13E-06	2.51E-06	2.33E-07	1.82E-07	4.15E-07	1.11E-06	8.31E-07	1.94E-06	1.82E-07	1.61E-07	3.43E-07	1.36E-07	8.23E-08	2.18E-07
2907	562659.95	4234457.82	1.36E-06	1.12E-06	2.48E-06	2.30E-07	1.79E-07	4.10E-07	1.10E-06	8.21E-07	1.92E-06	1.80E-07	1.59E-07	3.39E-07	1.34E-07	8.13E-08	2.15E-07
2908	562664.23	4234449.55	1.34E-06	1.11E-06	2.45E-06	2.28E-07	1.77E-07	4.05E-07	1.08E-06	8.11E-07	1.90E-06	1.78E-07	1.57E-07	3.35E-07	1.33E-07	8.03E-08	2.13E-07
2909	562668.5	4234441.27	1.33E-06	1.09E-06	2.42E-06	2.25E-07	1.75E-07	4.01E-07	1.07E-06	8.03E-07	1.87E-06	1.76E-07	1.56E-07	3.31E-07	1.31E-07	7.95E-08	2.11E-07
2910	562672.78	4234433	1.32E-06	1.08E-06	2.40E-06	2.23E-07	1.74E-07	3.97E-07	1.06E-06	7.95E-07	1.86E-06	1.74E-07	1.54E-07	3.28E-07	1.30E-07	7.87E-08	2.09E-07
2911	562677.06	4234424.72	1.31E-06	1.08E-06	2.38E-06	2.22E-07	1.73E-07	3.94E-07	1.05E-06	7.89E-07	1.84E-06	1.73E-07	1.53E-07	3.26E-07	1.29E-07	7.82E-08	2.07E-07
2912	562681.34	4234416.45	1.30E-06	1.07E-06	2.37E-06	2.21E-07	1.72E-07	3.92E-07	1.05E-06	7.86E-07	1.84E-06	1.72E-07	1.52E-07	3.24E-07	1.28E-07	7.78E-08	2.06E-07
2913	562685.62	4234408.17	1.30E-06	1.07E-06	2.37E-06	2.20E-07	1.71E-07	3.92E-07	1.05E-06	7.84E-07	1.83E-06	1.72E-07	1.52E-07	3.24E-07	1.28E-07	7.77E-08	2.06E-07
2914	562689.9	4234399.9	1.30E-06	1.07E-06	2.37E-06	2.20E-07	1.72E-07	3.92E-07	1.05E-06	7.85E-07	1.83E-06	1.72E-07	1.52E-07	3.24E-07	1.28E-07	7.78E-08	2.06E-07
2915	562694.18	4234391.62	1.31E-06	1.08E-06	2.39E-06	2.22E-07	1.73E-07	3.96E-07	1.06E-06	7.92E-07	1.85E-06	1.73E-07	1.54E-07	3.27E-07	1.29E-07	7.85E-08	2.08E-07
2916	562698.46	4234383.35	1.34E-06	1.10E-06	2.44E-06	2.27E-07	1.76E-07	4.03E-07	1.08E-06	8.07E-07	1.89E-06	1.77E-07	1.56E-07	3.33E-07	1.32E-07	7.99E-08	2.12E-07
2917	562702.74	4234375.08	1.37E-06	1.13E-06	2.50E-06	2.32E-07	1.81E-07	4.13E-07	1.11E-06	8.27E-07	1.93E-06	1.81E-07	1.60E-07	3.42E-07	1.35E-07	8.20E-08	2.17E-07
2918	562707.02	4234366.8	1.41E-06	1.16E-06	2.56E-06	2.39E-07	1.86E-07	4.24E-07	1.14E-06	8.50E-07	1.98E-06	1.86E-07	1.65E-07	3.51E-07	1.39E-07	8.41E-08	2.23E-07
2919	562711.29	4234358.53	1.43E-06	1.18E-06	2.61E-06	2.43E-07	1.89E-07	4.32E-07	1.15E-06	8.64E-07	2.02E-06	1.89E-07	1.68E-07	3.57E-07	1.41E-07	8.56E-08	2.27E-07
2920	562715.57	4234350.25	1.46E-06	1.20E-06	2.66E-06	2.47E-07	1.93E-07	4.40E-07	1.18E-06	8.81E-07	2.06E-06	1.93E-07	1.71E-07	3.64E-07	1.44E-07	8.73E-08	2.31E-07
2921	562719.85	4234341.98	1.49E-06	1.23E-06	2.72E-06	2.53E-07	1.97E-07	4.50E-07	1.20E-06	9.00E-07	2.10E-06	1.97E-07	1.75E-07	3.72E-07	1.47E-07	8.92E-08	2.36E-07
2922	562724.13	4234333.7	1.52E-06	1.26E-06	2.78E-06	2.59E-07	2.01E-07	4.60E-07	1.23E-06	9.21E-07	2.15E-06	2.02E-07	1.79E-07	3.80E-07	1.51E-07	9.13E-08	2.42E-07
2923	562728.41	4234325.43	1.56E-06	1.29E-06	2.85E-06	2.65E-07	2.06E-07	4.71E-07	1.26E-06	9.44E-07	2.21E-06	2.07E-07	1.83E-07	3.90E-07	1.54E-07	9.35E-08	2.48E-07
2924	562732.69	4234317.15	1.60E-06	1.32E-06	2.92E-06	2.72E-07	2.12E-07	4.84E-07	1.29E-06	9.69E-07	2.26E-06	2.12E-07	1.88E-07	4.00E-07	1.58E-07	9.59E-08	2.54E-07
2925	562736.97	4234308.88	1.65E-06	1.36E-06	3.00E-06	2.79E-07	2.17E-07	4.97E-07	1.33E-06	9.94E-07	2.32E-06	2.18E-07	1.93E-07	4.10E-07	1.63E-07	9.85E-08	2.61E-07
2926	562741.25	4234300.61	1.69E-06	1.39E-06	3.08E-06	2.87E-07	2.23E-07	5.10E-07	1.36E-06	1.02E-06	2.39E-06	2.23E-07	1.98E-07	4.21E-07	1.67E-07	1.01E-07	2.68E-07
2927	562745.53	4234292.33	1.74E-06	1.43E-06	3.16E-06	2.94E-07	2.29E-07	5.24E-07	1.40E-06	1.05E-06	2.45E-06	2.29E-07	2.03E-07	4.33E-07	1.71E-07	1.04E-07	2.75E-07
2928	562749.81	4234284.06	1.78E-06	1.47E-06	3.25E-06	3.02E-07	2.35E-07	5.38E-07	1.44E-06	1.08E-06	2.52E-06	2.36E-07	2.09E-07	4.44E-07	1.76E-07	1.07E-07	2.83E-07
2929	562754.09	4234275.78	1.83E-06	1.51E-06	3.34E-06	3.10E-07	2.42E-07	5.52E-07	1.48E-06	1.11E-06	2.58E-06	2.42E-07	2.14E-07	4.56E-07	1.81E-07	1.09E-07	2.90E-07
2930	562758.36	4234267.51	1.88E-06	1.55E-06	3.42E-06	3.18E-07	2.48E-07	5.66E-07	1.52E-06	1.13E-06	2.65E-06	2.48E-07	2.20E-07	4.68E-07	1.85E-07	1.12E-07	2.98E-07
2931	562762.64	4234259.23	1.92E-06	1.59E-06	3.51E-06	3.26E-07	2.54E-07	5.81E-07	1.55E-06	1.16E-06	2.72E-06	2.54E-07	2.25E-07	4.80E-07	1.90E-07	1.15E-07	3.05E-07
2932	562775.79	4234248.12	2.06E-06	1.69E-06	3.75E-06	3.49E-07	2.72E-07	6.21E-07	1.66E-06	1.24E-06	2.90E-06	2.72E-07	2.41E-07	5.13E-07	2.03E-07	1.23E-07	3.26E-07
2933	562784.67	4234245.28	2.15E-06	1.77E-06	3.91E-06	3.64E-07	2.83E-07	6.47E-07	1.73E-06	1.30E-06	3.03E-06	2.84E-07	2.51E-07	5.35E-07	2.12E-07	1.28E-07	3.40E-07
2934	562793.54	4234242.44	2.24E-06	1.84E-06	4.08E-06	3.79E-07	2.95E-07	6.75E-07	1.81E-06	1.35E-06	3.16E-06	2.96E-07	2.62E-07	5.58E-07	2.21E-07	1.34E-07	3.55E-07
2935	562802.41	4234239.6	2.33E-06	1.92E-06	4.25E-06	3.95E-07	3.07E-07	7.02E-07	1.88E-06	1.41E-06	3.29E-06	3.08E-07	2.73E-07	5.81E-07	2.30E-07	1.39E-07	3.69E-07
2936	562811.28	4234236.76	2.42E-06	1.99E-06	4.42E-06	4.11E-07	3.20E-07	7.31E-07	1.95E-06	1.46E-06	3.42E-06	3.20E-07	2.84E-07	6.04E-07	2.39E-07	1.45E-07	3.84E-07
2937	562820.15	4234233.92	2.51E-06	2.07E-06	4.59E-06	4.27E-07	3.32E-07	7.59E-07	2.03E-06	1.52E-06	3.55E-06	3.33E-07	2.95E-07	6.27E-07	2.48E-07	1.51E-07	3.99E-07
2938	562829.03	4234231.08	2.61E-06	2.15E-06	4.76E-06	4.43E-07	3.45E-07	7.87E-07	2.11E-06	1.58E-06	3.68E-06	3.45E-07	3.06E-07	6.51E-07	2.58E-07	1.56E-07	4.14E-07
2939	562837.9	4234228.24	2.70E-06	2.23E-06	4.93E-06	4.58E-07	3.57E-07	8.15E-07	2.18E-06	1.63E-06	3.81E-06	3.57E-07	3.17E-07	6.74E-07	2.67E-07	1.62E-07	4.29E-07
2940	562846.77	4234225.4	2.79E-06	2.30E-06	5.09E-06	4.74E-07	3.69E-07	8.43E-07	2.25E-06	1.69E-06	3.94E-06	3.69E-07	3.27E-07	6.96E-07	2.76E-07	1.67E-07	4.43E-07
2941	562855.64	4234222.56	2.88E-06	2.37E-06	5.25E-06	4.89E-07	3.80E-07	8.69E-07	2.33E-06	1.74E-06	4.07E-06	3.81E-07	3.38E-07	7.18E-07	2.84E-07	1.72E-07	4.57E-07
2942	562864.51	4234219.72	2.96E-06	2.44E-06	5.41E-06	5.03E-07	3.91E-07	8.94E-07	2.39E-06	1.79E-06	4.18E-06	3.92E-07	3.47E-07	7.39E-07	2.93E-07	1.77E-07	4.70E-07
2943	562873.39	4234216.88	3.04E-06	2.51E-06	5.55E-06	5.16E-07	4.02E-07	9.18E-07	2.46E-06	1.84E-06	4.29E-06	4.02E-07	3.56E-07	7.59E-07	3.00E-07	1.82E-07	4.82E-07
2944	562882.26	4234214.04	3.11E-06	2.56E-06	5.68E-06	5.28E-07	4.11E-07	9.39E-07	2.51E-06	1.88E-06	4.40E-06	4.12E-07	3.65E-07	7.77E-07	3.07E-07	1.86E-07	4.94E-07
2945	562891.13	4234211.2	3.18E-06	2.62E-06	5.79E-06	5.39E-07	4.20E-07	9.59E-07	2.56E-06	1.92E-06	4.48E-06	4.20E-07	3.72E-07	7.92E-07	3.14E-07	1.90E-07	5.04E-07
2946	562900	4234208.37	3.23E-06	2.66E-06	5.89E-06	5.48E-07	4.27E-07	9.75E-07	2.61E-06	1.95E-06	4.56E-06	4.27E-07	3.79E-07	8.06E-07	3.19E-07	1.93E-07	5.13E-07
2947	562908.87	4234205.53	3.28E-06	2.70E-06	5.97E-06	5.56E-07	4.33E-07	9.88E-07	2.64E-06	1.98E-06	4.62E-06	4.33E-07	3.84E-07	8.17E-07	3.23E-07	1.96E-07	5.20E-07
2948	562917.75	4234202.69	3.31E-06	2.73E-06	6.03E-06	5.61E-07	4.37E-07	9.98E-07	2.67E-06	2.00E-06	4.67E-06	4.38E-07	3.88E-07	8.25E-07	3.27E-07	1.98E-07	5.25E-07
2949	562926.62	4234199.85	3.33E-06	2.74E-06	6.07E-06	5.65E-07	4.40E-07	1.00E-06	2.69E-06	2.01E-06	4.70E-06	4.40E-07	3.90E-07	8.30E-07	3.29E-07	1.99E-07	5.28E-07
2950	562935.49	4234197.01	3.34E-06	2.75E-06	6.09E-06	5.66E-07	4.41E-07	1.01E-06	2.69E-06	2.02E-06	4.71E-06	4.41E-07	3.91E-07	8.32E-07	3.30E-07	2.00E-07	5.29E-07
2951	562944.36	4234194.17	3.33E-06	2.75E-06	6.08E-06	5.65E-07	4.40E-07	1.01E-06	2.69E-06	2.01E-06	4.70E-06	4.41E-07	3.90E-07	8.31E-07	3.29E-07	1.99E-07	5.29E-07
2952	562953.23	4234191.33	3.31E-06	2.73E-06	6.04E-06	5.62E-07	4.38E-07	1.00E-06	2.68E-06	2.00E-06	4.68E-06	4.38E-07	3.88E-07	8.27E-07	3.27E-07	1.98E-07	5.26E-07
2953	562962.11	4234188.49	3.28E-06	2.70E-06	5.99E-06	5.57E-07	4.34E-07	9.91E-07	2.65E-06	1.98E-06	4.63E-06	4.34E-07	3.85E-07	8.19E-07	3.24E-07	1.96E-07	5.21E-07
2954	562970.98	4234185.65	3.24E-06	2.67E-06	5.91E-06	5.50E-07	4.28E-07	9.77E-07	2.62E-06	1.96E-06	4.57E-06	4.28E-07	3.80E-07	8.08E-07	3.20E-07	1.94E-07	5.14E-07
2955	562997.59	4234177.13	3.04E-06	2.50E-06	5.54E-06	5.16E-07	4.01E-07	9.17E-07	2.45E-06	1.84E-06	4.29E-06	4.02E-07	3.56E-07	7.58E-07	3.00E-07	1.82E-07	4.82E-07
2956	563006.47	4234174.29	2.95E-06	2.43E-06	5.38E-06	5.01E-07	3.90E-07	8.91E-07	2.38E-06	1.78E-06	4.17E-06	3.90E-07	3.46E-07	7.36E-07	2.92E-07	1.77E-07	4.68E-07
2957	563015.34	4234171.45	2.85E-06	2.35E-06	5.20E-06	4.84E-07	3.77E-07	8.60E-07	2.30E-06	1.72E-06	4.03E-06	3.77E-07	3.34E-07	7.11E-07	2.82E-07	1.71E-07	4.52E-07
2958	563024.21	4234168.61	2.74E-06	2.26E-06	5.00E-06	4.65E-07	3.62E-07	8.28E-07	2.21E-06	1.66E-06	3.87E-06	3.63E-07	3.21E-07	6.84E-07	2.71E-07	1.64E-07	4.35E-07
2959	563033.08	4234165.77	2.63E-06	2.16E-06	4.79E-06	4.46E-07	3.47E-07	7.93E-07	2.12E-06	1.59E-06	3.71E-06	3.47E-07	3.08E-07	6.55E-07	2.60E-07	1.57E-07	4.17E-07
2960	563041.95	4234162.93	2.52E-06	2.07E-06	4.59E-06	4.27E-07	3.32E-07	7.59E-07	2.03E-06	1.52E-06	3.55E-06	3.33E-07	2.95E-07	6.28E-07	2.48E-07	1.51E-07	3.99E-07
2961	563050.83	4234160.09	2.41E-06	1.98E-06	4.39E-06	4.08E-07	3.18E-07	7.26E-07	1.94E-06	1.45E-06	3.40E-06	3.18E-07	2.82E-07	6.00E-07	2.38E-07	1.44E-07	3.82E-07
2962	563059.7	4234157.25	2.30E-06	1.90E-06	4.20E-06	3.90E-07	3.04E-07	6.94E-07	1.86E-06	1.39E-06	3.25E-06	3.04E-07	2.70E-07	5.74E-07	2.27E-07	1.38E-07	3.65E-07
2963	563068.57	4234154.41	2.20E-06	1.81E-06	4.01E-06	3.73E-07	2.90E-07	6.63E-07	1.78E-06	1.33E-06	3.10E-06	2.91E-07	2.58E-07	5.48E-07	2.17E-07	1.32E-07	3.49E-07
2964	563077.44	4234151.57	2.10E-06	1.73E-06	3.83E-06	3.56E-07	2.77E-07	6.33E-07	1.69E-06	1.27E-06	2.96E-06	2.78E-07	2.46E-07	5.23E-07	2.07E-07	1.26E-07	3.33E-07
2965	563086.31	4234148.73	2.00E-06	1.65E-06	3.65E-06	3.40E-07	2.64E-07	6.04E-07	1.62E-06	1.21E-06	2.83E-06	2.65E-07	2.35E-07	4.99E-07	1.98E-07	1.20E-07	3.18E-07
2966	563095.19	4234145.89	1.91E-06	1.57E-06	3.48E-06	3.24E-07	2.52E-07	5.76E-07	1.54E-06	1.15E-06	2.70E-06	2.52E-07	2.24E-07	4.76E-07	1.89E-07	1.14E-07	3.03E-07
2967	563104.06	4234143.05	1.82E-06	1.50E-06	3.32E-06	3.09E-07	2.40E-07	5.49E-07	1.47E-06	1.10E-06	2.57E-06	2.41E-07	2.13E-07	4.54E-07	1.80E-07	1.09E-07	2.89E-07
2968	563112.93	4234140.21	1.74E-06	1.43E-06	3.17E-06	2.95E-07	2.30E-07	5.24E-07	1.40E-06	1.05E-06	2.45E-06	2.30E-07	2.04E-07	4.33E-07	1.72E-07	1.04E-07	2.76E-07
2969	563121.8	4234137.37	1.66E-06	1.37E-06	3.03E-06	2.82E-07	2.19E-07	5.01E-07	1.34E-06	1.00E-06	2.34E-06	2.20E-07	1.95E-07	4.14E-07	1.64E-07	9.94E-08	2.63E-07
2970	562591.48	4234590.21	1.57E-06	1.30E-06	2.87E-06	2.67E-07	2.08E-07	4.75E-07	1.27E-06	9.50E-07	2.22E-06	2.08E-07	1.84E-07	3.92E-07	1.55E-07	9.41E-08	2.49E-07
2971	562590.68	4234599.53	1.57E-06	1.29E-06	2.86E-06	2.66E-07	2.07E-07	4.74E-07	1.27E-06	9.49E-07	2.22E-06	2.08E-07	1.84E-07	3.92E-07	1.55E-07	9.40E-08	2.49E-07
2972	562589.89	4234608.85	1.56E-06	1.29E-06	2.85E-06	2.65E-07	2.06E-07	4.72E-07	1.26E-06	9.44E-07	2.21E-06	2.07E-07	1.83E-07	3.90E-07	1.54E-07	9.35E-08	2.48E-07

2973	562589.09	4234618.16	1.55E-06	1.28E-06	2.83E-06	2.63E-07	2.05E-07	4.68E-07	1.25E-06	9.37E-07	2.19E-06	2.05E-07	1.82E-07	3.87E-07	1.53E-07	9.28E-08	2.46E-07
2974	562588.29	4234627.48	1.53E-06	1.26E-06	2.80E-06	2.60E-07	2.03E-07	4.63E-07	1.24E-06	9.27E-07	2.17E-06	2.03E-07	1.80E-07	3.83E-07	1.52E-07	9.18E-08	2.43E-07
2975	562587.49	4234636.8	1.51E-06	1.25E-06	2.76E-06	2.57E-07	2.00E-07	4.57E-07	1.22E-06	9.15E-07	2.14E-06	2.00E-07	1.77E-07	3.77E-07	1.49E-07	9.06E-08	2.40E-07
2976	562586.7	4234646.12	1.49E-06	1.23E-06	2.71E-06	2.53E-07	1.97E-07	4.49E-07	1.20E-06	9.00E-07	2.10E-06	1.97E-07	1.74E-07	3.71E-07	1.47E-07	8.91E-08	2.36E-07
2977	562585.9	4234655.43	1.46E-06	1.20E-06	2.66E-06	2.48E-07	1.93E-07	4.41E-07	1.18E-06	8.82E-07	2.06E-06	1.93E-07	1.71E-07	3.64E-07	1.44E-07	8.74E-08	2.32E-07
2978	562585.1	4234664.75	1.43E-06	1.18E-06	2.60E-06	2.42E-07	1.89E-07	4.31E-07	1.15E-06	8.63E-07	2.02E-06	1.89E-07	1.67E-07	3.56E-07	1.41E-07	8.55E-08	2.26E-07
2979	562584.3	4234674.07	1.39E-06	1.15E-06	2.54E-06	2.36E-07	1.84E-07	4.20E-07	1.12E-06	8.42E-07	1.97E-06	1.84E-07	1.63E-07	3.47E-07	1.38E-07	8.34E-08	2.21E-07
2980	562583.51	4234683.39	1.36E-06	1.12E-06	2.47E-06	2.30E-07	1.79E-07	4.09E-07	1.09E-06	8.19E-07	1.91E-06	1.79E-07	1.59E-07	3.38E-07	1.34E-07	8.12E-08	2.15E-07
2981	562582.71	4234692.7	1.32E-06	1.08E-06	2.40E-06	2.23E-07	1.74E-07	3.97E-07	1.06E-06	7.96E-07	1.86E-06	1.74E-07	1.54E-07	3.28E-07	1.30E-07	7.88E-08	2.09E-07
2982	562581.91	4234702.02	1.28E-06	1.05E-06	2.33E-06	2.16E-07	1.68E-07	3.85E-07	1.03E-06	7.71E-07	1.80E-06	1.69E-07	1.49E-07	3.18E-07	1.26E-07	7.64E-08	2.02E-07
2983	562555.84	4234578.66	1.45E-06	1.19E-06	2.64E-06	2.46E-07	1.91E-07	4.37E-07	1.17E-06	8.75E-07	2.04E-06	1.92E-07	1.70E-07	3.61E-07	1.43E-07	8.67E-08	2.30E-07
2984	562560.05	4234570.51	1.46E-06	1.20E-06	2.66E-06	2.47E-07	1.92E-07	4.40E-07	1.18E-06	8.81E-07	2.06E-06	1.93E-07	1.71E-07	3.63E-07	1.44E-07	8.72E-08	2.31E-07
2985	562564.26	4234562.37	1.46E-06	1.21E-06	2.67E-06	2.48E-07	1.93E-07	4.41E-07	1.18E-06	8.84E-07	2.07E-06	1.93E-07	1.71E-07	3.65E-07	1.44E-07	8.76E-08	2.32E-07
2986	562568.47	4234554.23	1.47E-06	1.21E-06	2.67E-06	2.49E-07	1.94E-07	4.42E-07	1.18E-06	8.85E-07	2.07E-06	1.94E-07	1.72E-07	3.65E-07	1.45E-07	8.77E-08	2.32E-07
2987	562572.68	4234546.09	1.46E-06	1.21E-06	2.67E-06	2.48E-07	1.93E-07	4.42E-07	1.18E-06	8.85E-07	2.07E-06	1.94E-07	1.72E-07	3.65E-07	1.45E-07	8.76E-08	2.32E-07
2988	562576.89	4234537.95	1.46E-06	1.20E-06	2.66E-06	2.48E-07	1.93E-07	4.41E-07	1.18E-06	8.83E-07	2.06E-06	1.93E-07	1.71E-07	3.64E-07	1.44E-07	8.74E-08	2.32E-07
2989	562581.1	4234529.8	1.45E-06	1.20E-06	2.65E-06	2.47E-07	1.92E-07	4.39E-07	1.17E-06	8.79E-07	2.05E-06	1.92E-07	1.70E-07	3.63E-07	1.44E-07	8.71E-08	2.31E-07
2990	562585.31	4234521.66	1.45E-06	1.19E-06	2.64E-06	2.45E-07	1.91E-07	4.36E-07	1.17E-06	8.74E-07	2.04E-06	1.91E-07	1.69E-07	3.61E-07	1.43E-07	8.65E-08	2.29E-07
2991	562589.52	4234513.52	1.43E-06	1.18E-06	2.62E-06	2.43E-07	1.90E-07	4.33E-07	1.16E-06	8.67E-07	2.03E-06	1.90E-07	1.68E-07	3.58E-07	1.42E-07	8.59E-08	2.28E-07
2992	562593.73	4234505.38	1.42E-06	1.17E-06	2.59E-06	2.41E-07	1.88E-07	4.29E-07	1.15E-06	8.60E-07	2.01E-06	1.88E-07	1.67E-07	3.55E-07	1.40E-07	8.51E-08	2.26E-07
2993	562597.94	4234497.24	1.41E-06	1.16E-06	2.57E-06	2.39E-07	1.86E-07	4.25E-07	1.14E-06	8.51E-07	1.99E-06	1.86E-07	1.65E-07	3.51E-07	1.39E-07	8.43E-08	2.23E-07
2994	562602.15	4234489.09	1.39E-06	1.15E-06	2.54E-06	2.36E-07	1.84E-07	4.20E-07	1.12E-06	8.41E-07	1.97E-06	1.84E-07	1.63E-07	3.47E-07	1.37E-07	8.33E-08	2.21E-07
2995	562606.36	4234480.95	1.38E-06	1.13E-06	2.51E-06	2.33E-07	1.82E-07	4.15E-07	1.11E-06	8.31E-07	1.94E-06	1.82E-07	1.61E-07	3.43E-07	1.36E-07	8.23E-08	2.18E-07
2996	562610.58	4234472.81	1.36E-06	1.12E-06	2.48E-06	2.30E-07	1.79E-07	4.10E-07	1.10E-06	8.20E-07	1.92E-06	1.80E-07	1.59E-07	3.39E-07	1.34E-07	8.13E-08	2.15E-07
2997	562614.79	4234464.67	1.34E-06	1.10E-06	2.44E-06	2.27E-07	1.77E-07	4.03E-07	1.08E-06	8.08E-07	1.89E-06	1.77E-07	1.57E-07	3.33E-07	1.32E-07	8.00E-08	2.12E-07
2998	562619	4234456.53	1.31E-06	1.08E-06	2.39E-06	2.22E-07	1.73E-07	3.95E-07	1.06E-06	7.92E-07	1.85E-06	1.73E-07	1.54E-07	3.27E-07	1.29E-07	7.84E-08	2.08E-07
2999	562623.21	4234448.38	1.28E-06	1.06E-06	2.34E-06	2.18E-07	1.70E-07	3.87E-07	1.04E-06	7.76E-07	1.81E-06	1.70E-07	1.50E-07	3.20E-07	1.27E-07	7.68E-08	2.04E-07
3000	562627.42	4234440.24	1.26E-06	1.04E-06	2.29E-06	2.13E-07	1.66E-07	3.80E-07	1.02E-06	7.60E-07	1.78E-06	1.66E-07	1.47E-07	3.14E-07	1.24E-07	7.53E-08	2.00E-07
3001	562631.63	4234432.1	1.23E-06	1.02E-06	2.25E-06	2.09E-07	1.63E-07	3.72E-07	9.96E-07	7.46E-07	1.74E-06	1.63E-07	1.45E-07	3.08E-07	1.22E-07	7.38E-08	1.96E-07
3002	562635.84	4234423.96	1.21E-06	9.98E-07	2.21E-06	2.06E-07	1.60E-07	3.66E-07	9.78E-07	7.32E-07	1.71E-06	1.60E-07	1.42E-07	3.02E-07	1.20E-07	7.25E-08	1.92E-07
3003	562640.05	4234415.82	1.19E-06	9.81E-07	2.17E-06	2.02E-07	1.57E-07	3.59E-07	9.62E-07	7.20E-07	1.68E-06	1.58E-07	1.40E-07	2.97E-07	1.18E-07	7.13E-08	1.89E-07
3004	562644.26	4234407.67	1.17E-06	9.68E-07	2.14E-06	1.99E-07	1.55E-07	3.54E-07	9.48E-07	7.10E-07	1.66E-06	1.55E-07	1.38E-07	2.93E-07	1.16E-07	7.03E-08	1.86E-07
3005	562648.47	4234399.53	1.17E-06	9.61E-07	2.13E-06	1.98E-07	1.54E-07	3.52E-07	9.42E-07	7.05E-07	1.65E-06	1.54E-07	1.37E-07	2.91E-07	1.15E-07	6.98E-08	1.85E-07
3006	562652.68	4234391.39	1.16E-06	9.58E-07	2.12E-06	1.97E-07	1.54E-07	3.51E-07	9.38E-07	7.02E-07	1.64E-06	1.54E-07	1.36E-07	2.90E-07	1.15E-07	6.96E-08	1.84E-07
3007	562656.89	4234383.25	1.16E-06	9.56E-07	2.12E-06	1.97E-07	1.53E-07	3.50E-07	9.37E-07	7.02E-07	1.64E-06	1.54E-07	1.36E-07	2.90E-07	1.15E-07	6.95E-08	1.84E-07
3008	562661.1	4234375.11	1.16E-06	9.58E-07	2.12E-06	1.97E-07	1.54E-07	3.51E-07	9.39E-07	7.03E-07	1.64E-06	1.54E-07	1.36E-07	2.90E-07	1.15E-07	6.96E-08	1.85E-07
3009	562665.31	4234366.96	1.17E-06	9.63E-07	2.13E-06	1.98E-07	1.54E-07	3.53E-07	9.44E-07	7.07E-07	1.65E-06	1.55E-07	1.37E-07	2.92E-07	1.15E-07	7.00E-08	1.85E-07
3010	562669.52	4234358.82	1.18E-06	9.71E-07	2.15E-06	2.00E-07	1.56E-07	3.56E-07	9.52E-07	7.13E-07	1.66E-06	1.56E-07	1.38E-07	2.94E-07	1.16E-07	7.06E-08	1.87E-07
3011	562673.73	4234350.68	1.19E-06	9.82E-07	2.17E-06	2.02E-07	1.58E-07	3.60E-07	9.63E-07	7.21E-07	1.68E-06	1.58E-07	1.40E-07	2.97E-07	1.18E-07	7.14E-08	1.89E-07
3012	562677.94	4234342.54	1.22E-06	1.00E-06	2.22E-06	2.06E-07	1.61E-07	3.67E-07	9.82E-07	7.35E-07	1.72E-06	1.61E-07	1.43E-07	3.03E-07	1.20E-07	7.28E-08	1.93E-07
3013	562682.16	4234334.4	1.25E-06	1.03E-06	2.27E-06	2.11E-07	1.65E-07	3.76E-07	1.01E-06	7.53E-07	1.76E-06	1.65E-07	1.46E-07	3.11E-07	1.23E-07	7.46E-08	1.98E-07
3014	562686.37	4234326.25	1.28E-06	1.06E-06	2.34E-06	2.18E-07	1.70E-07	3.88E-07	1.04E-06	7.76E-07	1.81E-06	1.70E-07	1.51E-07	3.20E-07	1.27E-07	7.69E-08	2.04E-07
3015	562690.58	4234318.11	1.32E-06	1.09E-06	2.41E-06	2.24E-07	1.75E-07	3.99E-07	1.07E-06	7.99E-07	1.87E-06	1.75E-07	1.55E-07	3.30E-07	1.31E-07	7.91E-08	2.10E-07
3016	562694.79	4234309.97	1.36E-06	1.12E-06	2.48E-06	2.30E-07	1.79E-07	4.10E-07	1.10E-06	8.21E-07	1.92E-06	1.80E-07	1.59E-07	3.39E-07	1.34E-07	8.13E-08	2.15E-07
3017	562699	4234301.83	1.39E-06	1.15E-06	2.54E-06	2.36E-07	1.84E-07	4.20E-07	1.12E-06	8.41E-07	1.96E-06	1.84E-07	1.63E-07	3.47E-07	1.37E-07	8.33E-08	2.21E-07
3018	562703.21	4234293.69	1.43E-06	1.17E-06	2.60E-06	2.42E-07	1.88E-07	4.30E-07	1.15E-06	8.62E-07	2.01E-06	1.89E-07	1.67E-07	3.56E-07	1.41E-07	8.53E-08	2.26E-07
3019	562707.42	4234285.54	1.46E-06	1.20E-06	2.67E-06	2.48E-07	1.93E-07	4.41E-07	1.18E-06	8.83E-07	2.06E-06	1.93E-07	1.71E-07	3.65E-07	1.44E-07	8.75E-08	2.32E-07
3020	562711.63	4234277.4	1.50E-06	1.23E-06	2.73E-06	2.54E-07	1.98E-07	4.52E-07	1.21E-06	9.06E-07	2.12E-06	1.98E-07	1.76E-07	3.74E-07	1.48E-07	8.97E-08	2.38E-07
3021	562715.84	4234269.26	1.54E-06	1.27E-06	2.80E-06	2.61E-07	2.03E-07	4.64E-07	1.24E-06	9.29E-07	2.17E-06	2.03E-07	1.80E-07	3.83E-07	1.52E-07	9.20E-08	2.44E-07
3022	562720.05	4234261.12	1.58E-06	1.30E-06	2.88E-06	2.68E-07	2.08E-07	4.76E-07	1.27E-06	9.53E-07	2.23E-06	2.09E-07	1.85E-07	3.93E-07	1.56E-07	9.44E-08	2.50E-07
3023	562724.26	4234252.98	1.62E-06	1.33E-06	2.95E-06	2.74E-07	2.14E-07	4.88E-07	1.31E-06	9.77E-07	2.28E-06	2.14E-07	1.89E-07	4.03E-07	1.60E-07	9.68E-08	2.56E-07
3024	562728.47	4234244.83	1.66E-06	1.37E-06	3.02E-06	2.81E-07	2.19E-07	5.00E-07	1.34E-06	1.00E-06	2.34E-06	2.19E-07	1.94E-07	4.13E-07	1.64E-07	9.92E-08	2.63E-07
3025	562732.68	4234236.69	1.70E-06	1.40E-06	3.10E-06	2.88E-07	2.24E-07	5.12E-07	1.37E-06	1.03E-06	2.40E-06	2.25E-07	1.99E-07	4.24E-07	1.68E-07	1.02E-07	2.69E-07
3026	562736.89	4234228.55	1.74E-06	1.43E-06	3.17E-06	2.95E-07	2.30E-07	5.25E-07	1.40E-06	1.05E-06	2.45E-06	2.30E-07	2.04E-07	4.34E-07	1.72E-07	1.04E-07	2.76E-07
3027	562749.83	4234217.61	1.85E-06	1.53E-06	3.38E-06	3.14E-07	2.45E-07	5.59E-07	1.50E-06	1.12E-06	2.61E-06	2.45E-07	2.17E-07	4.62E-07	1.83E-07	1.11E-07	2.94E-07
3028	562758.56	4234214.82	1.93E-06	1.59E-06	3.51E-06	3.27E-07	2.54E-07	5.81E-07	1.56E-06	1.16E-06	2.72E-06	2.55E-07	2.26E-07	4.81E-07	1.90E-07	1.15E-07	3.06E-07
3029	562767.29	4234212.03	2.00E-06	1.65E-06	3.65E-06	3.40E-07	2.65E-07	6.04E-07	1.62E-06	1.21E-06	2.83E-06	2.65E-07	2.35E-07	5.00E-07	1.98E-07	1.20E-07	3.18E-07
3030	562776.02	4234209.23	2.08E-06	1.71E-06	3.80E-06	3.53E-07	2.75E-07	6.28E-07	1.68E-06	1.26E-06	2.94E-06	2.75E-07	2.44E-07	5.19E-07	2.06E-07	1.25E-07	3.30E-07
3031	562784.75	4234206.44	2.16E-06	1.78E-06	3.94E-06	3.67E-07	2.85E-07	6.52E-07	1.74E-06	1.31E-06	3.05E-06	2.86E-07	2.53E-07	5.39E-07	2.13E-07	1.29E-07	3.43E-07
3032	562793.48	4234203.64	2.24E-06	1.85E-06	4.09E-06	3.80E-07	2.96E-07	6.76E-07	1.81E-06	1.35E-06	3.16E-06	2.96E-07	2.63E-07	5.59E-07	2.21E-07	1.34E-07	3.56E-07
3033	562802.21	4234200.85	2.32E-06	1.91E-06	4.24E-06	3.94E-07	3.07E-07	7.01E-07	1.88E-06	1.40E-06	3.28E-06	3.07E-07	2.72E-07	5.79E-07	2.29E-07	1.39E-07	3.68E-07
3034	562810.94	4234198.05	2.40E-06	1.98E-06	4.38E-06	4.08E-07	3.17E-07	7.25E-07	1.94E-06	1.45E-06	3.39E-06	3.18E-07	2.82E-07	6.00E-07	2.37E-07	1.44E-07	3.81E-07
3035	562819.67	4234195.26	2.48E-06	2.05E-06	4.53E-06	4.21E-07	3.28E-07	7.49E-07	2.01E-06	1.50E-06	3.51E-06	3.28E-07	2.91E-07	6.19E-07	2.45E-07	1.49E-07	3.94E-07
3036	562828.4	4234192.47	2.56E-06	2.11E-06	4.67E-06	4.35E-07	3.38E-07	7.73E-07	2.07E-06	1.55E-06	3.62E-06	3.39E-07	3.00E-07	6.39E-07	2.53E-07	1.53E-07	4.06E-07
3037	562837.13	4234189.67	2.64E-06	2.17E-06	4.81E-06	4.48E-07	3.48E-07	7.96E-07	2.13E-06	1.59E-06	3.72E-06	3.49E-07	3.09E-07	6.58E-07	2.61E-07	1.58E-07	4.18E-07
3038	562845.86	4234186.88	2.71E-06	2.23E-06	4.94E-06	4.60E-07	3.58E-07	8.18E-07	2.19E-06	1.64E-06	3.83E-06	3.58E-07	3.18E-07	6.76E-07	2.68E-07	1.62E-07	4.30E-07
3039	562854.59	4234184.08	2.78E-06	2.29E-06	5.07E-06	4.72E-07	3.67E-07	8.39E-07	2.24E-06	1.68E-06	3.92E-06	3.67E-07	3.26E-07	6.93E-07	2.74E-07	1.66E-07	4.41E-07
3040	562863.32	4234181.29	2.84E-06	2.34E-06	5.18E-06	4.82E-07	3.75E-07	8.58E-07	2.29E-06	1.72E-06	4.01E-06	3.76E-07	3.33E-07	7.09E-07	2.81E-07	1.70E-07	4.51E-07
3041	562872.05	4234178.5	2.90E-06	2.39E-06	5.29E-06	4.92E-07	3.83E-07	8.75E-07	2.34E-06	1.75E-06	4.09E-06	3.83E-07	3.40E-07	7.23E-07	2.86E-07	1.74E-07	4.60E-07
3042	562880.78	4234175.7	2.95E-06	2.43E-06	5.38E-06	5.00E-07	3.90E-07	8.90E-07	2.38E-06	1.78E-06	4.16E-06	3.90E-07	3.46E-07	7.36E-07	2.91E-07	1.77E-07	4.68E-07
3043	562889.51	4234172.91	2.99E-06	2.46E-06	5.46E-06	5.08E-07	3.95E-07	9.03E-07	2.42E-06	1.81E-06	4.22E-06	3.96E-07	3.51E-07	7.46E-07	2.95E-07	1.79E-07	4.74E-07
3044	562898.24	4234170.11	3.02E-06	2.49E-06	5.52E-06	5.13E-07	3.99E-07	9.13E-07	2.44E-06	1.83E-06	4.27E-06	4.00E-07	3.54E-07	7.54E-07	2.99E-07	1.81E-07	4.80E-07
3045	562906.97	4234167.32	3.05E-06	2.51E-06	5.56E-06	5.17E-07	4.03E-07	9.20E-07	2.46E-06	1.84E-06	4.30E-06	4.03E-07	3.57E-07	7.60E-07	3.01E-07	1.82E-07	4.84E-07
3046	562915.7	4234164.52	3.06E-06	2.52E-06	5.58E-06	5.20E-07	4.04E-07	9.24E-07	2.47E-06	1.85E-06	4.32E-06	4.05E-07	3.59E-07	7.64E-07	3.02E-07	1.83E-07	4.86E-07
3047	562924.43	4234161.73	3.06E-06	2.53E-06	5.59E-06	5.20E-07	4.05E-07	9.25E-07	2.47E-06	1.85E-06	4.33E-06	4.05E-07	3.59E-07	7.64E-07	3.03E-07	1.83E-07	4.86E-07
3048	562933.16	4234158.94	3.06E-06	2.52E-06	5.58E-06	5.19E-07	4.04E-07	9.22E-07	2.47E-06	1.85E-06	4.32E-06	4.04E-07	3.58E-07	7.63E-07	3.02E-07	1.83E-07	4.85E-07
3049	562941.89	4234156.14	3.04E-06	2.50E-06	5.54E-06	5.16E-07	4.01E-07	9.17E-07	2.45E-06	1.84E-06	4.29E-06	4.02E-07	3.56E-07	7.58E-07	3.00E-07	1.82E-07	4.82E-07
3050	562950.62	4234153.35	3.01E-06	2.48E-06	5.49E-06	5.11E-07	3.97E-07	9.08E-07	2.43E-06	1.82E-06	4.25E-06	3.98E-07	3.53E-07	7.51E-07	2.97E-07	1.80E-07	4.77E-07
3051	562959.35	4234150.55	2.97E-06	2.45E-06	5.42E-06	5.04E-07	3.92E-07	8.96E-07	2.40E-06	1.79E-06	4.19E-06	3.93E-07	3.48E-07	7.41E-07	2.93E-07	1.78E-07	4.71E-07
3052	562968.08	4234147.76	2.92E-06	2.41E-06	5.33E-06	4.96E-07	3.86E-07	8.81E-07	2.36E-06	1.77E-06	4.12E-06	3.86E-07	3.42E-07	7.29E-07	2.88E-07	1.75E-07	4.63E-07
3053	562994.27	4234139.38	2.72E-06	2.24E-06	4.97E-06	4.62E-07	3.60E-07	8.22E-07	2.20E-06	1.65E-06	3.85E-06	3.60E-07	3.19E-07	6.79E-07	2.69E-07	1.63E-07	4.32E-07
3054	563003.01	4234136.58	2.65E-06	2.18E-06	4.82E-06	4.49E-07	3.49E-07	7.98E-07	2.14E-06	1.60E-06	3.73E-06	3.50E-07	3.10E-07	6.60E-07	2.61E-07	1.58E-07	4.20E-07
3055	563011.74	4234133.79	2.55E-06	2.10E-06	4.65E-06	4.32E-07	3.37E-07	7.69E-07	2.06E-06	1.54E-06	3.60E-06	3.37E-07	2.99E-07	6.36E-07	2.52E-07	1.53E-07	4.04E-07
3056	563020.47	4234130.99	2.45E-06	2.02E-06	4.47E-06	4.15E-07	3.23E-07	7.39E-07	1.98E-06	1.48E-06	3.46E-06	3.24E-07	2.87E-07	6.11E-07	2.42E-07	1.47E-07	3.88E-07
3057	563029.2	4234128.2	2.35E-06	1.93E-06	4.28E-06	3.98E-07	3.10E-07	7.08E-07	1.89E-06	1.42E-06	3.31E-06	3.10E-07	2.75E-07	5.85E-07	2.32E-07	1.40E-07	3.72E-07
3058	563037.93	4234125.41	2.25E-06	1.85E-06	4.10E-06	3.82E-07	2.97E-07	6.79E-07	1.82E-06	1.36E-06	3.18E-06	2.98E-07	2.64E-07	5.61E-07	2.22E-07	1.35E-07	3.57E-07
3059	563046.66	4234122.61	2.16E-06	1.78E-06	3.94E-06	3.67E-07	2.85E-07	6.52E-07	1.74E-06	1.31E-06	3.05E-06	2.86E-07	2.53E-07	5.39E-07	2.13E-07	1.29E-07	3.43E-07
3060	563055.39	4234119.82	2.07E-06	1.71E-06	3.78E-06	3.51E-07	2.74E-07	6.25E-07	1.67E-06	1.25E-06	2.92E-06	2.74E-07	2.43E-07	5.17E-07	2.05E-07	1.24E-07	3.29E-07
3061	563064.12	4234117.02	1.98E-06	1.63E-06	3.62E-06	3.37E-07	2.62E-07	5.99E-07	1.60E-06	1.20E-06	2.80E-06	2.62E-07	2.32E-07	4.95E-07	1.96E-07	1.19E-07	3.15E-07
3062	563072.85	4234114.23	1.90E-06	1.56E-06	3.46E-06	3.22E-07	2.51E-07	5.73E-07	1.53E-06	1.15E-06	2.68E-06	2.51E-07	2.22E-07	4.73E-07	1.87E-07	1.14E-07	3.01E-07
3063	563081.58	4234111.43	1.81E-06	1.50E-06	3.31E-06	3.08E-07	2.40E-07	5.48E-07	1.47E-06	1.10E-06	2.56E-06	2.40E-07	2.13E-07	4.53E-07	1.79E-07	1.09E-07	2.88E-07
3064	563090.31	4234108.64	1.74E-06	1.43E-06	3.16E-06	2.94E-07	2.29E-07	5.24E-07	1.40E-06	1.05E-06	2.45E-06	2.29E-07	2.03E-07	4.33E-07	1.71E-07	1.04E-07	2.75E-07
3065	563099.04	4234105.85	1.66E-06	1.37E-06	3.03E-06	2.82E-07	2.19E-07	5.01E-07	1.34E-06	1.00E-06	2.34E-06	2.19E-07	1.94E-07	4.14E-07	1.64E-07	9.93E-08	2.63E-07

3066	563107.77	4234103.05	1.59E-06	1.31E-06	2.90E-06	2.69E-07	2.10E-07	4.79E-07	1.28E-06	9.60E-07	2.24E-06	2.10E-07	1.86E-07	3.96E-07	1.57E-07	9.50E-08	2.52E-07
3067	563116.5	4234100.26	1.52E-06	1.25E-06	2.77E-06	2.58E-07	2.01E-07	4.59E-07	1.23E-06	9.19E-07	2.15E-06	2.01E-07	1.78E-07	3.79E-07	1.50E-07	9.10E-08	2.41E-07
3068	563125.23	4234097.46	1.46E-06	1.20E-06	2.66E-06	2.47E-07	1.92E-07	4.40E-07	1.18E-06	8.81E-07	2.06E-06	1.93E-07	1.71E-07	3.63E-07	1.44E-07	8.72E-08	2.31E-07
3069	562551.63	4234586.8	1.44E-06	1.18E-06	2.62E-06	2.44E-07	1.90E-07	4.33E-07	1.16E-06	8.68E-07	2.03E-06	1.90E-07	1.68E-07	3.58E-07	1.42E-07	8.59E-08	2.28E-07
3070	562550.83	4234596.12	1.43E-06	1.18E-06	2.61E-06	2.43E-07	1.89E-07	4.32E-07	1.15E-06	8.64E-07	2.02E-06	1.89E-07	1.68E-07	3.57E-07	1.41E-07	8.56E-08	2.27E-07
3071	562550.03	4234605.43	1.42E-06	1.17E-06	2.59E-06	2.41E-07	1.88E-07	4.29E-07	1.15E-06	8.59E-07	2.01E-06	1.88E-07	1.67E-07	3.54E-07	1.40E-07	8.51E-08	2.25E-07
3072	562549.23	4234614.75	1.41E-06	1.16E-06	2.57E-06	2.39E-07	1.86E-07	4.25E-07	1.14E-06	8.51E-07	1.99E-06	1.86E-07	1.65E-07	3.51E-07	1.39E-07	8.43E-08	2.23E-07
3073	562548.44	4234624.07	1.39E-06	1.15E-06	2.54E-06	2.36E-07	1.84E-07	4.20E-07	1.12E-06	8.41E-07	1.96E-06	1.84E-07	1.63E-07	3.47E-07	1.37E-07	8.33E-08	2.21E-07
3074	562547.64	4234633.39	1.37E-06	1.13E-06	2.50E-06	2.33E-07	1.81E-07	4.14E-07	1.11E-06	8.29E-07	1.94E-06	1.81E-07	1.61E-07	3.42E-07	1.35E-07	8.21E-08	2.17E-07
3075	562546.84	4234642.7	1.35E-06	1.11E-06	2.46E-06	2.29E-07	1.78E-07	4.07E-07	1.09E-06	8.14E-07	1.90E-06	1.78E-07	1.58E-07	3.36E-07	1.33E-07	8.07E-08	2.14E-07
3076	562546.04	4234652.02	1.32E-06	1.09E-06	2.41E-06	2.24E-07	1.74E-07	3.99E-07	1.07E-06	7.98E-07	1.87E-06	1.75E-07	1.55E-07	3.30E-07	1.30E-07	7.91E-08	2.10E-07
3077	562545.25	4234661.34	1.29E-06	1.06E-06	2.36E-06	2.19E-07	1.71E-07	3.90E-07	1.04E-06	7.81E-07	1.82E-06	1.71E-07	1.51E-07	3.22E-07	1.28E-07	7.73E-08	2.05E-07
3078	562544.45	4234670.66	1.26E-06	1.04E-06	2.30E-06	2.14E-07	1.67E-07	3.81E-07	1.02E-06	7.62E-07	1.78E-06	1.67E-07	1.48E-07	3.15E-07	1.25E-07	7.55E-08	2.00E-07
3079	562543.65	4234679.97	1.23E-06	1.01E-06	2.24E-06	2.08E-07	1.62E-07	3.71E-07	9.92E-07	7.42E-07	1.73E-06	1.62E-07	1.44E-07	3.06E-07	1.21E-07	7.35E-08	1.95E-07
3080	562542.85	4234689.29	1.19E-06	9.83E-07	2.18E-06	2.02E-07	1.58E-07	3.60E-07	9.64E-07	7.21E-07	1.68E-06	1.58E-07	1.40E-07	2.98E-07	1.18E-07	7.14E-08	1.89E-07
3081	562542.06	4234698.61	1.16E-06	9.54E-07	2.11E-06	1.96E-07	1.53E-07	3.49E-07	9.35E-07	7.00E-07	1.63E-06	1.53E-07	1.36E-07	2.89E-07	1.14E-07	6.93E-08	1.84E-07
3082	562516.01	4234575.19	1.33E-06	1.09E-06	2.42E-06	2.25E-07	1.75E-07	4.01E-07	1.07E-06	8.03E-07	1.87E-06	1.76E-07	1.56E-07	3.31E-07	1.31E-07	7.95E-08	2.11E-07
3083	562520.25	4234566.99	1.34E-06	1.10E-06	2.44E-06	2.27E-07	1.77E-07	4.04E-07	1.08E-06	8.09E-07	1.89E-06	1.77E-07	1.57E-07	3.34E-07	1.32E-07	8.01E-08	2.12E-07
3084	562524.49	4234558.79	1.35E-06	1.11E-06	2.46E-06	2.28E-07	1.78E-07	4.06E-07	1.09E-06	8.14E-07	1.90E-06	1.78E-07	1.58E-07	3.36E-07	1.33E-07	8.06E-08	2.14E-07
3085	562528.73	4234550.59	1.35E-06	1.11E-06	2.46E-06	2.29E-07	1.78E-07	4.08E-07	1.09E-06	8.16E-07	1.91E-06	1.79E-07	1.58E-07	3.37E-07	1.33E-07	8.08E-08	2.14E-07
3086	562532.97	4234542.39	1.35E-06	1.11E-06	2.47E-06	2.29E-07	1.79E-07	4.08E-07	1.09E-06	8.17E-07	1.91E-06	1.79E-07	1.58E-07	3.37E-07	1.34E-07	8.09E-08	2.15E-07
3087	562537.21	4234534.2	1.35E-06	1.11E-06	2.46E-06	2.29E-07	1.78E-07	4.08E-07	1.09E-06	8.17E-07	1.91E-06	1.79E-07	1.58E-07	3.37E-07	1.33E-07	8.09E-08	2.14E-07
3088	562541.45	4234526	1.35E-06	1.11E-06	2.46E-06	2.29E-07	1.78E-07	4.07E-07	1.09E-06	8.15E-07	1.90E-06	1.78E-07	1.58E-07	3.36E-07	1.33E-07	8.07E-08	2.14E-07
3089	562545.69	4234517.8	1.34E-06	1.11E-06	2.45E-06	2.28E-07	1.77E-07	4.05E-07	1.08E-06	8.11E-07	1.89E-06	1.77E-07	1.57E-07	3.35E-07	1.33E-07	8.03E-08	2.13E-07
3090	562549.93	4234509.6	1.33E-06	1.10E-06	2.43E-06	2.26E-07	1.76E-07	4.02E-07	1.08E-06	8.06E-07	1.88E-06	1.76E-07	1.56E-07	3.33E-07	1.32E-07	7.98E-08	2.12E-07
3091	562554.17	4234501.4	1.32E-06	1.09E-06	2.41E-06	2.25E-07	1.75E-07	3.99E-07	1.07E-06	8.00E-07	1.87E-06	1.75E-07	1.55E-07	3.30E-07	1.31E-07	7.92E-08	2.10E-07
3092	562558.41	4234493.2	1.31E-06	1.08E-06	2.39E-06	2.23E-07	1.73E-07	3.96E-07	1.06E-06	7.93E-07	1.85E-06	1.73E-07	1.54E-07	3.27E-07	1.30E-07	7.85E-08	2.08E-07
3093	562562.65	4234485.01	1.30E-06	1.07E-06	2.37E-06	2.20E-07	1.71E-07	3.92E-07	1.05E-06	7.85E-07	1.83E-06	1.72E-07	1.52E-07	3.24E-07	1.28E-07	7.77E-08	2.06E-07
3094	562566.89	4234476.81	1.28E-06	1.06E-06	2.34E-06	2.18E-07	1.69E-07	3.87E-07	1.04E-06	7.76E-07	1.81E-06	1.70E-07	1.50E-07	3.20E-07	1.27E-07	7.68E-08	2.04E-07
3095	562571.13	4234468.61	1.27E-06	1.04E-06	2.31E-06	2.15E-07	1.67E-07	3.82E-07	1.02E-06	7.66E-07	1.79E-06	1.68E-07	1.48E-07	3.16E-07	1.25E-07	7.58E-08	2.01E-07
3096	562575.37	4234460.41	1.25E-06	1.03E-06	2.28E-06	2.12E-07	1.65E-07	3.77E-07	1.01E-06	7.55E-07	1.76E-06	1.65E-07	1.46E-07	3.12E-07	1.23E-07	7.48E-08	1.98E-07
3097	562579.61	4234452.21	1.23E-06	1.01E-06	2.25E-06	2.09E-07	1.63E-07	3.72E-07	9.95E-07	7.44E-07	1.74E-06	1.63E-07	1.44E-07	3.07E-07	1.22E-07	7.37E-08	1.95E-07
3098	562583.85	4234444.01	1.21E-06	1.00E-06	2.21E-06	2.06E-07	1.60E-07	3.66E-07	9.80E-07	7.33E-07	1.71E-06	1.60E-07	1.42E-07	3.03E-07	1.20E-07	7.26E-08	1.92E-07
3099	562588.09	4234435.81	1.19E-06	9.84E-07	2.18E-06	2.03E-07	1.58E-07	3.61E-07	9.65E-07	7.22E-07	1.69E-06	1.58E-07	1.40E-07	2.98E-07	1.18E-07	7.15E-08	1.89E-07
3100	562592.33	4234427.62	1.18E-06	9.69E-07	2.15E-06	2.00E-07	1.55E-07	3.55E-07	9.50E-07	7.11E-07	1.66E-06	1.56E-07	1.38E-07	2.93E-07	1.16E-07	7.04E-08	1.87E-07
3101	562596.57	4234419.42	1.16E-06	9.55E-07	2.11E-06	1.97E-07	1.53E-07	3.50E-07	9.36E-07	7.00E-07	1.64E-06	1.53E-07	1.36E-07	2.89E-07	1.14E-07	6.94E-08	1.84E-07
3102	562600.81	4234411.22	1.14E-06	9.41E-07	2.08E-06	1.94E-07	1.51E-07	3.45E-07	9.22E-07	6.90E-07	1.61E-06	1.51E-07	1.34E-07	2.85E-07	1.13E-07	6.84E-08	1.81E-07
3103	562605.05	4234403.02	1.13E-06	9.29E-07	2.06E-06	1.91E-07	1.49E-07	3.40E-07	9.10E-07	6.81E-07	1.59E-06	1.49E-07	1.32E-07	2.81E-07	1.11E-07	6.75E-08	1.79E-07
3104	562609.29	4234394.82	1.11E-06	9.18E-07	2.03E-06	1.89E-07	1.47E-07	3.36E-07	8.99E-07	6.73E-07	1.57E-06	1.47E-07	1.31E-07	2.78E-07	1.10E-07	6.67E-08	1.77E-07
3105	562613.53	4234386.62	1.10E-06	9.09E-07	2.01E-06	1.87E-07	1.46E-07	3.33E-07	8.91E-07	6.67E-07	1.56E-06	1.46E-07	1.29E-07	2.75E-07	1.09E-07	6.60E-08	1.75E-07
3106	562617.77	4234378.42	1.09E-06	8.98E-07	1.99E-06	1.85E-07	1.44E-07	3.29E-07	8.80E-07	6.58E-07	1.54E-06	1.44E-07	1.28E-07	2.72E-07	1.08E-07	6.52E-08	1.73E-07
3107	562622.01	4234370.23	1.08E-06	8.88E-07	1.97E-06	1.83E-07	1.42E-07	3.25E-07	8.71E-07	6.52E-07	1.52E-06	1.43E-07	1.26E-07	2.69E-07	1.06E-07	6.45E-08	1.71E-07
3108	562626.25	4234362.03	1.07E-06	8.82E-07	1.95E-06	1.82E-07	1.41E-07	3.23E-07	8.64E-07	6.47E-07	1.51E-06	1.42E-07	1.25E-07	2.67E-07	1.06E-07	6.41E-08	1.70E-07
3109	562630.49	4234353.83	1.07E-06	8.78E-07	1.94E-06	1.81E-07	1.41E-07	3.22E-07	8.61E-07	6.44E-07	1.50E-06	1.41E-07	1.25E-07	2.66E-07	1.05E-07	6.38E-08	1.69E-07
3110	562634.73	4234345.63	1.07E-06	8.77E-07	1.94E-06	1.81E-07	1.41E-07	3.21E-07	8.60E-07	6.44E-07	1.50E-06	1.41E-07	1.25E-07	2.66E-07	1.05E-07	6.37E-08	1.69E-07
3111	562638.97	4234337.43	1.07E-06	8.79E-07	1.95E-06	1.81E-07	1.41E-07	3.22E-07	8.62E-07	6.45E-07	1.51E-06	1.41E-07	1.25E-07	2.66E-07	1.05E-07	6.39E-08	1.69E-07
3112	562643.21	4234329.23	1.07E-06	8.83E-07	1.96E-06	1.82E-07	1.42E-07	3.24E-07	8.66E-07	6.48E-07	1.51E-06	1.42E-07	1.26E-07	2.67E-07	1.06E-07	6.42E-08	1.70E-07
3113	562647.45	4234321.03	1.09E-06	8.97E-07	1.99E-06	1.85E-07	1.44E-07	3.29E-07	8.79E-07	6.58E-07	1.54E-06	1.44E-07	1.28E-07	2.72E-07	1.08E-07	6.52E-08	1.73E-07
3114	562651.69	4234312.84	1.11E-06	9.17E-07	2.03E-06	1.89E-07	1.47E-07	3.36E-07	8.98E-07	6.72E-07	1.57E-06	1.47E-07	1.30E-07	2.78E-07	1.10E-07	6.66E-08	1.76E-07
3115	562655.93	4234304.64	1.14E-06	9.40E-07	2.08E-06	1.94E-07	1.51E-07	3.44E-07	9.22E-07	6.90E-07	1.61E-06	1.51E-07	1.34E-07	2.85E-07	1.13E-07	6.83E-08	1.81E-07
3116	562660.17	4234296.44	1.17E-06	9.64E-07	2.13E-06	1.99E-07	1.55E-07	3.53E-07	9.45E-07	7.07E-07	1.65E-06	1.55E-07	1.37E-07	2.92E-07	1.16E-07	7.00E-08	1.86E-07
3117	562664.41	4234288.24	1.20E-06	9.90E-07	2.19E-06	2.04E-07	1.59E-07	3.63E-07	9.70E-07	7.26E-07	1.70E-06	1.59E-07	1.41E-07	3.00E-07	1.19E-07	7.19E-08	1.91E-07
3118	562668.65	4234280.04	1.24E-06	1.02E-06	2.25E-06	2.10E-07	1.63E-07	3.73E-07	9.97E-07	7.46E-07	1.74E-06	1.63E-07	1.45E-07	3.08E-07	1.22E-07	7.39E-08	1.96E-07
3119	562672.89	4234271.84	1.27E-06	1.05E-06	2.32E-06	2.16E-07	1.68E-07	3.83E-07	1.03E-06	7.68E-07	1.79E-06	1.68E-07	1.49E-07	3.17E-07	1.25E-07	7.60E-08	2.02E-07
3120	562677.13	4234263.64	1.30E-06	1.07E-06	2.38E-06	2.21E-07	1.72E-07	3.93E-07	1.05E-06	7.87E-07	1.84E-06	1.72E-07	1.53E-07	3.25E-07	1.29E-07	7.79E-08	2.07E-07
3121	562681.37	4234255.45	1.33E-06	1.10E-06	2.43E-06	2.26E-07	1.76E-07	4.03E-07	1.08E-06	8.06E-07	1.88E-06	1.76E-07	1.56E-07	3.33E-07	1.32E-07	7.99E-08	2.12E-07
3122	562685.61	4234247.25	1.37E-06	1.13E-06	2.49E-06	2.32E-07	1.81E-07	4.13E-07	1.10E-06	8.27E-07	1.93E-06	1.81E-07	1.60E-07	3.41E-07	1.35E-07	8.19E-08	2.17E-07
3123	562689.85	4234239.05	1.40E-06	1.15E-06	2.56E-06	2.38E-07	1.85E-07	4.23E-07	1.13E-06	8.47E-07	1.98E-06	1.85E-07	1.64E-07	3.50E-07	1.38E-07	8.39E-08	2.22E-07
3124	562694.09	4234230.85	1.44E-06	1.18E-06	2.62E-06	2.44E-07	1.90E-07	4.34E-07	1.16E-06	8.68E-07	2.03E-06	1.90E-07	1.68E-07	3.58E-07	1.42E-07	8.60E-08	2.28E-07
3125	562698.33	4234222.65	1.47E-06	1.21E-06	2.68E-06	2.50E-07	1.94E-07	4.44E-07	1.19E-06	8.90E-07	2.08E-06	1.95E-07	1.72E-07	3.67E-07	1.45E-07	8.81E-08	2.33E-07
3126	562702.56	4234214.45	1.51E-06	1.24E-06	2.75E-06	2.56E-07	1.99E-07	4.55E-07	1.22E-06	9.11E-07	2.13E-06	1.99E-07	1.77E-07	3.76E-07	1.49E-07	9.02E-08	2.39E-07
3127	562706.8	4234206.25	1.54E-06	1.27E-06	2.82E-06	2.62E-07	2.04E-07	4.66E-07	1.25E-06	9.33E-07	2.18E-06	2.04E-07	1.81E-07	3.85E-07	1.52E-07	9.24E-08	2.45E-07
3128	562711.04	4234198.06	1.58E-06	1.30E-06	2.88E-06	2.68E-07	2.09E-07	4.77E-07	1.28E-06	9.54E-07	2.23E-06	2.09E-07	1.85E-07	3.94E-07	1.56E-07	9.45E-08	2.50E-07
3129	562724.07	4234187.04	1.68E-06	1.38E-06	3.06E-06	2.85E-07	2.22E-07	5.06E-07	1.36E-06	1.01E-06	2.37E-06	2.22E-07	1.97E-07	4.19E-07	1.66E-07	1.00E-07	2.66E-07
3130	562732.87	4234184.23	1.74E-06	1.44E-06	3.18E-06	2.96E-07	2.30E-07	5.26E-07	1.41E-06	1.05E-06	2.46E-06	2.31E-07	2.04E-07	4.35E-07	1.72E-07	1.04E-07	2.77E-07
3131	562741.66	4234181.42	1.81E-06	1.49E-06	3.30E-06	3.07E-07	2.39E-07	5.46E-07	1.46E-06	1.09E-06	2.56E-06	2.39E-07	2.12E-07	4.52E-07	1.79E-07	1.08E-07	2.87E-07
3132	562750.45	4234178.6	1.88E-06	1.55E-06	3.43E-06	3.19E-07	2.48E-07	5.67E-07	1.52E-06	1.14E-06	2.65E-06	2.49E-07	2.20E-07	4.69E-07	1.86E-07	1.12E-07	2.98E-07
3133	562759.24	4234175.79	1.95E-06	1.61E-06	3.56E-06	3.31E-07	2.57E-07	5.88E-07	1.57E-06	1.18E-06	2.75E-06	2.58E-07	2.28E-07	4.86E-07	1.93E-07	1.17E-07	3.09E-07
3134	562768.03	4234172.98	2.02E-06	1.66E-06	3.68E-06	3.43E-07	2.67E-07	6.10E-07	1.63E-06	1.22E-06	2.85E-06	2.67E-07	2.37E-07	5.04E-07	2.00E-07	1.21E-07	3.20E-07
3135	562776.82	4234170.16	2.09E-06	1.72E-06	3.82E-06	3.55E-07	2.76E-07	6.31E-07	1.69E-06	1.26E-06	2.95E-06	2.77E-07	2.45E-07	5.22E-07	2.07E-07	1.25E-07	3.32E-07
3136	562785.61	4234167.35	2.16E-06	1.78E-06	3.95E-06	3.67E-07	2.86E-07	6.53E-07	1.75E-06	1.31E-06	3.05E-06	2.86E-07	2.54E-07	5.40E-07	2.14E-07	1.30E-07	3.43E-07
3137	562794.4	4234164.53	2.24E-06	1.84E-06	4.08E-06	3.79E-07	2.95E-07	6.75E-07	1.80E-06	1.35E-06	3.16E-06	2.96E-07	2.62E-07	5.58E-07	2.21E-07	1.34E-07	3.55E-07
3138	562803.19	4234161.72	2.31E-06	1.90E-06	4.21E-06	3.91E-07	3.05E-07	6.96E-07	1.86E-06	1.39E-06	3.26E-06	3.05E-07	2.70E-07	5.75E-07	2.28E-07	1.38E-07	3.66E-07
3139	562811.98	4234158.91	2.38E-06	1.96E-06	4.33E-06	4.03E-07	3.14E-07	7.17E-07	1.92E-06	1.44E-06	3.35E-06	3.14E-07	2.78E-07	5.93E-07	2.35E-07	1.42E-07	3.77E-07
3140	562820.77	4234156.09	2.44E-06	2.01E-06	4.46E-06	4.14E-07	3.23E-07	7.37E-07	1.97E-06	1.48E-06	3.45E-06	3.23E-07	2.86E-07	6.09E-07	2.41E-07	1.46E-07	3.87E-07
3141	562829.56	4234153.28	2.51E-06	2.07E-06	4.57E-06	4.25E-07	3.31E-07	7.56E-07	2.02E-06	1.52E-06	3.54E-06	3.32E-07	2.94E-07	6.25E-07	2.48E-07	1.50E-07	3.98E-07
3142	562838.35	4234150.47	2.57E-06	2.12E-06	4.68E-06	4.36E-07	3.39E-07	7.75E-07	2.07E-06	1.55E-06	3.62E-06	3.40E-07	3.01E-07	6.40E-07	2.54E-07	1.54E-07	4.07E-07
3143	562847.14	4234147.65	2.62E-06	2.16E-06	4.79E-06	4.45E-07	3.47E-07	7.92E-07	2.12E-06	1.59E-06	3.70E-06	3.47E-07	3.07E-07	6.54E-07	2.59E-07	1.57E-07	4.16E-07
3144	562855.94	4234144.84	2.67E-06	2.20E-06	4.88E-06	4.54E-07	3.53E-07	8.07E-07	2.16E-06	1.62E-06	3.78E-06	3.54E-07	3.13E-07	6.67E-07	2.64E-07	1.60E-07	4.24E-07
3145	562864.73	4234142.03	2.72E-06	2.24E-06	4.96E-06	4.61E-07	3.59E-07	8.21E-07	2.20E-06	1.64E-06	3.84E-06	3.60E-07	3.19E-07	6.78E-07	2.69E-07	1.63E-07	4.31E-07
3146	562873.52	4234139.21	2.76E-06	2.27E-06	5.03E-06	4.68E-07	3.64E-07	8.32E-07	2.23E-06	1.67E-06	3.89E-06	3.65E-07	3.23E-07	6.88E-07	2.72E-07	1.65E-07	4.37E-07
3147	562882.31	4234136.4	2.79E-06	2.30E-06	5.08E-06	4.73E-07	3.68E-07	8.41E-07	2.25E-06	1.68E-06	3.94E-06	3.69E-07	3.27E-07	6.95E-07	2.75E-07	1.67E-07	4.42E-07
3148	562891.1	4234133.59	2.81E-06	2.31E-06	5.12E-06	4.77E-07	3.71E-07	8.48E-07	2.27E-06	1.70E-06	3.97E-06	3.72E-07	3.29E-07	7.01E-07	2.77E-07	1.68E-07	4.46E-07
3149	562899.89	4234130.77	2.82E-06	2.33E-06	5.15E-06	4.79E-07	3.73E-07	8.52E-07	2.28E-06	1.71E-06	3.99E-06	3.73E-07	3.31E-07	7.04E-07	2.79E-07	1.69E-07	4.48E-07
3150	562908.68	4234127.96	2.83E-06	2.33E-06	5.16E-06	4.80E-07	3.73E-07	8.53E-07	2.28E-06	1.71E-06	3.99E-06	3.74E-07	3.31E-07	7.05E-07	2.79E-07	1.69E-07	4.49E-07
3151	562917.47	4234125.14	2.82E-06	2.33E-06	5.15E-06	4.79E-07	3.73E-07	8.52E-07	2.28E-06	1.71E-06	3.99E-06	3.73E-07	3.31E-07	7.04E-07	2.79E-07	1.69E-07	4.48E-07
3152	562926.26	4234122.33	2.81E-06	2.31E-06	5.12E-06	4.77E-07	3.71E-07	8.48E-07	2.27E-06	1.70E-06	3.97E-06	3.71E-07	3.29E-07	7.01E-07	2.77E-07	1.68E-07	4.46E-07
3153	562935.05	4234119.52	2.79E-06	2.29E-06	5.08E-06	4.73E-07	3.68E-07	8.41E-07	2.25E-06	1.68E-06	3.93E-06	3.68E-07	3.26E-07	6.95E-07	2.75E-07	1.67E-07	4.42E-07
3154	562943.84	4234116.7	2.75E-06	2.27E-06	5.02E-06	4.67E-07	3.64E-07	8.31E-07	2.22E-06	1.66E-06	3.89E-06	3.64E-07	3.23E-07	6.87E-07	2.72E-07	1.65E-07	4.37E-07
3155	562952.63	4234113.89	2.71E-06	2.23E-06	4.95E-06	4.60E-07	3.58E-07	8.18E-07	2.19E-06	1.64E-06	3.83E-06	3.59E-07	3.18E-07	6.77E-07	2.68E-07	1.62E-07	4.30E-07
3156	562961.42	4234111.08	2.66E-06	2.19E-06	4.86E-06	4.52E-07	3.52E-07	8.04E-07	2.15E-06	1.61E-06	3.76E-06	3.52E-07	3.12E-07	6.64E-07	2.63E-07	1.59E-07	4.23E-07
3157	562987.8	4234102.64	2.48E-06	2.04E-06	4.52E-06	4.20E-07	3.27E-07	7.48E-07	2.00E-06	1.50E-06	3.50E-06	3.28E-07	2.90E-07	6.18E-07	2.45E-07	1.48E-07	3.93E-07
3158	562996.59	4234099.82	2.40E-06	1.98E-06	4.39E-06	4.08E-07	3.18E-07	7.26E-07	1.94E-06	1.45E-06	3.40E-06	3.18E-07	2.82E-07	6.00E-07	2.37E-07	1.44E-07	3.81E-07

3159	563005.38	4234097.01	2.33E-06	1.92E-06	4.24E-06	3.95E-07	3.07E-07	7.02E-07	1.88E-06	1.41E-06	3.28E-06	3.08E-07	2.73E-07	5.80E-07	2.30E-07	1.39E-07	3.69E-07
3160	563014.17	4234094.19	2.24E-06	1.84E-06	4.08E-06	3.79E-07	2.95E-07	6.75E-07	1.81E-06	1.35E-06	3.16E-06	2.96E-07	2.62E-07	5.58E-07	2.21E-07	1.34E-07	3.55E-07
3161	563022.96	4234091.38	2.15E-06	1.77E-06	3.91E-06	3.64E-07	2.83E-07	6.47E-07	1.73E-06	1.30E-06	3.03E-06	2.84E-07	2.51E-07	5.35E-07	2.12E-07	1.28E-07	3.40E-07
3162	563031.75	4234088.57	2.05E-06	1.69E-06	3.75E-06	3.48E-07	2.71E-07	6.20E-07	1.66E-06	1.24E-06	2.90E-06	2.72E-07	2.41E-07	5.12E-07	2.03E-07	1.23E-07	3.26E-07
3163	563040.54	4234085.75	1.97E-06	1.62E-06	3.60E-06	3.34E-07	2.60E-07	5.95E-07	1.59E-06	1.19E-06	2.78E-06	2.61E-07	2.31E-07	4.92E-07	1.95E-07	1.18E-07	3.13E-07
3164	563049.33	4234082.94	1.89E-06	1.56E-06	3.45E-06	3.21E-07	2.50E-07	5.71E-07	1.53E-06	1.14E-06	2.67E-06	2.50E-07	2.22E-07	4.72E-07	1.87E-07	1.13E-07	3.00E-07
3165	563058.12	4234080.13	1.81E-06	1.49E-06	3.31E-06	3.08E-07	2.40E-07	5.47E-07	1.46E-06	1.10E-06	2.56E-06	2.40E-07	2.13E-07	4.52E-07	1.79E-07	1.09E-07	2.88E-07
3166	563066.91	4234077.31	1.74E-06	1.43E-06	3.17E-06	2.95E-07	2.30E-07	5.24E-07	1.40E-06	1.05E-06	2.45E-06	2.30E-07	2.04E-07	4.33E-07	1.72E-07	1.04E-07	2.76E-07
3167	563075.7	4234074.5	1.66E-06	1.37E-06	3.04E-06	2.82E-07	2.20E-07	5.02E-07	1.34E-06	1.01E-06	2.35E-06	2.20E-07	1.95E-07	4.15E-07	1.64E-07	9.96E-08	2.64E-07
3168	563084.49	4234071.69	1.59E-06	1.31E-06	2.91E-06	2.70E-07	2.10E-07	4.81E-07	1.29E-06	9.63E-07	2.25E-06	2.11E-07	1.87E-07	3.97E-07	1.57E-07	9.54E-08	2.53E-07
3169	563093.28	4234068.87	1.53E-06	1.26E-06	2.78E-06	2.59E-07	2.02E-07	4.60E-07	1.23E-06	9.22E-07	2.15E-06	2.02E-07	1.79E-07	3.81E-07	1.51E-07	9.13E-08	2.42E-07
3170	563102.07	4234066.06	1.46E-06	1.20E-06	2.67E-06	2.48E-07	1.93E-07	4.41E-07	1.18E-06	8.84E-07	2.06E-06	1.93E-07	1.71E-07	3.65E-07	1.44E-07	8.75E-08	2.32E-07
3171	563110.87	4234063.25	1.40E-06	1.15E-06	2.56E-06	2.38E-07	1.85E-07	4.23E-07	1.13E-06	8.47E-07	1.98E-06	1.85E-07	1.64E-07	3.50E-07	1.38E-07	8.39E-08	2.22E-07
3172	563119.66	4234060.43	1.35E-06	1.11E-06	2.45E-06	2.28E-07	1.78E-07	4.06E-07	1.09E-06	8.13E-07	1.90E-06	1.78E-07	1.58E-07	3.35E-07	1.33E-07	8.05E-08	2.13E-07
3173	563128.45	4234057.62	1.29E-06	1.06E-06	2.36E-06	2.19E-07	1.71E-07	3.90E-07	1.04E-06	7.81E-07	1.82E-06	1.71E-07	1.51E-07	3.22E-07	1.28E-07	7.74E-08	2.05E-07
3174	562511.77	4234583.39	1.31E-06	1.08E-06	2.40E-06	2.23E-07	1.74E-07	3.97E-07	1.06E-06	7.94E-07	1.86E-06	1.74E-07	1.54E-07	3.28E-07	1.30E-07	7.87E-08	2.08E-07
3175	562510.98	4234592.71	1.31E-06	1.08E-06	2.38E-06	2.22E-07	1.73E-07	3.94E-07	1.06E-06	7.90E-07	1.85E-06	1.73E-07	1.53E-07	3.26E-07	1.29E-07	7.82E-08	2.07E-07
3176	562510.18	4234602.02	1.30E-06	1.07E-06	2.37E-06	2.20E-07	1.71E-07	3.91E-07	1.05E-06	7.84E-07	1.83E-06	1.72E-07	1.52E-07	3.24E-07	1.28E-07	7.76E-08	2.06E-07
3177	562509.38	4234611.34	1.28E-06	1.06E-06	2.34E-06	2.18E-07	1.70E-07	3.87E-07	1.04E-06	7.76E-07	1.81E-06	1.70E-07	1.50E-07	3.20E-07	1.27E-07	7.68E-08	2.04E-07
3178	562508.58	4234620.66	1.27E-06	1.04E-06	2.31E-06	2.15E-07	1.67E-07	3.82E-07	1.02E-06	7.66E-07	1.79E-06	1.68E-07	1.48E-07	3.16E-07	1.25E-07	7.58E-08	2.01E-07
3179	562507.79	4234629.98	1.25E-06	1.03E-06	2.28E-06	2.12E-07	1.65E-07	3.77E-07	1.01E-06	7.54E-07	1.76E-06	1.65E-07	1.46E-07	3.11E-07	1.23E-07	7.47E-08	1.98E-07
3180	562506.99	4234639.29	1.23E-06	1.01E-06	2.24E-06	2.08E-07	1.62E-07	3.70E-07	9.90E-07	7.41E-07	1.73E-06	1.62E-07	1.44E-07	3.06E-07	1.21E-07	7.34E-08	1.94E-07
3181	562506.19	4234648.61	1.20E-06	9.90E-07	2.19E-06	2.04E-07	1.59E-07	3.63E-07	9.70E-07	7.26E-07	1.70E-06	1.59E-07	1.41E-07	3.00E-07	1.19E-07	7.19E-08	1.91E-07
3182	562505.39	4234657.93	1.18E-06	9.69E-07	2.14E-06	2.00E-07	1.55E-07	3.55E-07	9.49E-07	7.11E-07	1.66E-06	1.56E-07	1.38E-07	2.93E-07	1.16E-07	7.04E-08	1.87E-07
3183	562504.6	4234667.25	1.15E-06	9.46E-07	2.09E-06	1.95E-07	1.52E-07	3.46E-07	9.27E-07	6.94E-07	1.62E-06	1.52E-07	1.35E-07	2.86E-07	1.13E-07	6.87E-08	1.82E-07
3184	562503.8	4234676.56	1.12E-06	9.22E-07	2.04E-06	1.90E-07	1.48E-07	3.38E-07	9.03E-07	6.76E-07	1.58E-06	1.48E-07	1.31E-07	2.79E-07	1.10E-07	6.70E-08	1.77E-07
3185	562503	4234685.88	1.09E-06	8.97E-07	1.98E-06	1.85E-07	1.44E-07	3.28E-07	8.79E-07	6.58E-07	1.54E-06	1.44E-07	1.28E-07	2.71E-07	1.07E-07	6.51E-08	1.73E-07
3186	562502.2	4234695.2	1.06E-06	8.71E-07	1.93E-06	1.79E-07	1.40E-07	3.19E-07	8.53E-07	6.39E-07	1.49E-06	1.40E-07	1.24E-07	2.64E-07	1.04E-07	6.32E-08	1.68E-07
3187	562476.18	4234571.73	1.22E-06	1.01E-06	2.23E-06	2.07E-07	1.61E-07	3.68E-07	9.86E-07	7.38E-07	1.72E-06	1.61E-07	1.43E-07	3.05E-07	1.21E-07	7.31E-08	1.94E-07
3188	562480.45	4234563.48	1.23E-06	1.02E-06	2.25E-06	2.09E-07	1.63E-07	3.72E-07	9.95E-07	7.45E-07	1.74E-06	1.63E-07	1.44E-07	3.07E-07	1.22E-07	7.38E-08	1.95E-07
3189	562484.72	4234555.23	1.24E-06	1.02E-06	2.26E-06	2.11E-07	1.64E-07	3.75E-07	1.00E-06	7.50E-07	1.75E-06	1.64E-07	1.45E-07	3.10E-07	1.23E-07	7.43E-08	1.97E-07
3190	562488.98	4234546.98	1.25E-06	1.03E-06	2.28E-06	2.12E-07	1.65E-07	3.77E-07	1.01E-06	7.54E-07	1.76E-06	1.65E-07	1.46E-07	3.11E-07	1.23E-07	7.47E-08	1.98E-07
3191	562493.25	4234538.73	1.25E-06	1.03E-06	2.28E-06	2.12E-07	1.65E-07	3.78E-07	1.01E-06	7.57E-07	1.77E-06	1.66E-07	1.47E-07	3.12E-07	1.24E-07	7.49E-08	1.99E-07
3192	562497.51	4234530.49	1.25E-06	1.03E-06	2.29E-06	2.13E-07	1.66E-07	3.78E-07	1.01E-06	7.57E-07	1.77E-06	1.66E-07	1.47E-07	3.13E-07	1.24E-07	7.50E-08	1.99E-07
3193	562501.78	4234522.24	1.25E-06	1.03E-06	2.28E-06	2.12E-07	1.65E-07	3.78E-07	1.01E-06	7.57E-07	1.77E-06	1.66E-07	1.47E-07	3.12E-07	1.24E-07	7.49E-08	1.99E-07
3194	562506.04	4234513.99	1.25E-06	1.03E-06	2.28E-06	2.12E-07	1.65E-07	3.77E-07	1.01E-06	7.55E-07	1.76E-06	1.65E-07	1.46E-07	3.12E-07	1.23E-07	7.48E-08	1.98E-07
3195	562510.31	4234505.74	1.24E-06	1.02E-06	2.27E-06	2.11E-07	1.64E-07	3.75E-07	1.00E-06	7.51E-07	1.76E-06	1.64E-07	1.46E-07	3.10E-07	1.23E-07	7.44E-08	1.97E-07
3196	562514.57	4234497.49	1.24E-06	1.02E-06	2.25E-06	2.10E-07	1.63E-07	3.73E-07	9.98E-07	7.47E-07	1.74E-06	1.63E-07	1.45E-07	3.08E-07	1.22E-07	7.40E-08	1.96E-07
3197	562518.84	4234489.24	1.23E-06	1.01E-06	2.24E-06	2.08E-07	1.62E-07	3.70E-07	9.90E-07	7.41E-07	1.73E-06	1.62E-07	1.44E-07	3.06E-07	1.21E-07	7.34E-08	1.95E-07
3198	562523.11	4234481	1.22E-06	1.00E-06	2.22E-06	2.06E-07	1.61E-07	3.67E-07	9.82E-07	7.35E-07	1.72E-06	1.61E-07	1.42E-07	3.03E-07	1.20E-07	7.28E-08	1.93E-07
3199	562527.37	4234472.75	1.20E-06	9.91E-07	2.19E-06	2.04E-07	1.59E-07	3.63E-07	9.71E-07	7.27E-07	1.70E-06	1.59E-07	1.41E-07	3.00E-07	1.19E-07	7.20E-08	1.91E-07
3200	562531.64	4234464.5	1.19E-06	9.79E-07	2.17E-06	2.02E-07	1.57E-07	3.59E-07	9.60E-07	7.18E-07	1.68E-06	1.57E-07	1.39E-07	2.97E-07	1.17E-07	7.12E-08	1.89E-07
3201	562535.9	4234456.25	1.17E-06	9.67E-07	2.14E-06	1.99E-07	1.55E-07	3.54E-07	9.47E-07	7.09E-07	1.66E-06	1.55E-07	1.38E-07	2.93E-07	1.16E-07	7.02E-08	1.86E-07
3202	562540.17	4234448	1.16E-06	9.53E-07	2.11E-06	1.96E-07	1.53E-07	3.49E-07	9.34E-07	6.99E-07	1.63E-06	1.53E-07	1.36E-07	2.89E-07	1.14E-07	6.93E-08	1.84E-07
3203	562544.43	4234439.75	1.14E-06	9.39E-07	2.08E-06	1.93E-07	1.51E-07	3.44E-07	9.20E-07	6.89E-07	1.61E-06	1.51E-07	1.34E-07	2.84E-07	1.13E-07	6.82E-08	1.81E-07
3204	562548.7	4234431.5	1.12E-06	9.24E-07	2.05E-06	1.90E-07	1.48E-07	3.39E-07	9.06E-07	6.78E-07	1.58E-06	1.48E-07	1.31E-07	2.80E-07	1.11E-07	6.71E-08	1.78E-07
3205	562552.97	4234423.26	1.10E-06	9.09E-07	2.01E-06	1.87E-07	1.46E-07	3.33E-07	8.91E-07	6.67E-07	1.56E-06	1.46E-07	1.29E-07	2.75E-07	1.09E-07	6.61E-08	1.75E-07
3206	562557.23	4234415.01	1.09E-06	8.94E-07	1.98E-06	1.84E-07	1.43E-07	3.28E-07	8.77E-07	6.56E-07	1.53E-06	1.44E-07	1.27E-07	2.71E-07	1.07E-07	6.50E-08	1.72E-07
3207	562561.5	4234406.76	1.07E-06	8.80E-07	1.95E-06	1.81E-07	1.41E-07	3.22E-07	8.62E-07	6.45E-07	1.51E-06	1.41E-07	1.25E-07	2.66E-07	1.05E-07	6.39E-08	1.69E-07
3208	562565.76	4234398.51	1.05E-06	8.66E-07	1.92E-06	1.78E-07	1.39E-07	3.17E-07	8.49E-07	6.35E-07	1.48E-06	1.39E-07	1.23E-07	2.62E-07	1.04E-07	6.29E-08	1.67E-07
3209	562570.03	4234390.26	1.04E-06	8.53E-07	1.89E-06	1.76E-07	1.37E-07	3.12E-07	8.36E-07	6.26E-07	1.46E-06	1.37E-07	1.21E-07	2.58E-07	1.02E-07	6.20E-08	1.64E-07
3210	562574.29	4234382.01	1.02E-06	8.41E-07	1.86E-06	1.73E-07	1.35E-07	3.08E-07	8.24E-07	6.17E-07	1.44E-06	1.35E-07	1.20E-07	2.55E-07	1.01E-07	6.11E-08	1.62E-07
3211	562578.56	4234373.77	1.01E-06	8.31E-07	1.84E-06	1.71E-07	1.33E-07	3.04E-07	8.14E-07	6.10E-07	1.42E-06	1.33E-07	1.18E-07	2.52E-07	9.96E-08	6.04E-08	1.60E-07
3212	562582.82	4234365.52	9.99E-07	8.23E-07	1.82E-06	1.69E-07	1.32E-07	3.01E-07	8.06E-07	6.04E-07	1.41E-06	1.32E-07	1.17E-07	2.49E-07	9.86E-08	5.98E-08	1.58E-07
3213	562587.09	4234357.27	9.91E-07	8.16E-07	1.81E-06	1.68E-07	1.31E-07	2.99E-07	8.00E-07	5.99E-07	1.40E-06	1.31E-07	1.16E-07	2.47E-07	9.79E-08	5.93E-08	1.57E-07
3214	562591.36	4234349.02	9.86E-07	8.12E-07	1.80E-06	1.67E-07	1.30E-07	2.98E-07	7.96E-07	5.96E-07	1.39E-06	1.30E-07	1.16E-07	2.46E-07	9.74E-08	5.90E-08	1.56E-07
3215	562595.62	4234340.77	9.84E-07	8.11E-07	1.79E-06	1.67E-07	1.30E-07	2.97E-07	7.95E-07	5.95E-07	1.39E-06	1.30E-07	1.15E-07	2.45E-07	9.72E-08	5.89E-08	1.56E-07
3216	562599.89	4234332.52	9.83E-07	8.10E-07	1.79E-06	1.67E-07	1.30E-07	2.97E-07	7.94E-07	5.94E-07	1.39E-06	1.30E-07	1.15E-07	2.45E-07	9.71E-08	5.88E-08	1.56E-07
3217	562604.15	4234324.27	9.79E-07	8.07E-07	1.79E-06	1.66E-07	1.29E-07	2.96E-07	7.91E-07	5.92E-07	1.38E-06	1.30E-07	1.15E-07	2.44E-07	9.67E-08	5.86E-08	1.55E-07
3218	562608.42	4234316.03	9.76E-07	8.04E-07	1.78E-06	1.66E-07	1.29E-07	2.95E-07	7.88E-07	5.90E-07	1.38E-06	1.29E-07	1.14E-07	2.43E-07	9.64E-08	5.84E-08	1.55E-07
3219	562612.68	4234307.78	9.73E-07	8.01E-07	1.77E-06	1.65E-07	1.28E-07	2.93E-07	7.85E-07	5.88E-07	1.37E-06	1.29E-07	1.14E-07	2.43E-07	9.60E-08	5.82E-08	1.54E-07
3220	562616.95	4234299.53	9.82E-07	8.09E-07	1.79E-06	1.67E-07	1.30E-07	2.96E-07	7.93E-07	5.93E-07	1.39E-06	1.30E-07	1.15E-07	2.45E-07	9.70E-08	5.88E-08	1.56E-07
3221	562621.22	4234291.28	9.97E-07	8.21E-07	1.82E-06	1.69E-07	1.32E-07	3.01E-07	8.05E-07	6.02E-07	1.41E-06	1.32E-07	1.17E-07	2.49E-07	9.84E-08	5.97E-08	1.58E-07
3222	562625.48	4234283.03	1.01E-06	8.35E-07	1.85E-06	1.72E-07	1.34E-07	3.06E-07	8.19E-07	6.13E-07	1.43E-06	1.34E-07	1.19E-07	2.53E-07	1.00E-07	6.07E-08	1.61E-07
3223	562629.75	4234274.78	1.03E-06	8.51E-07	1.88E-06	1.75E-07	1.36E-07	3.12E-07	8.34E-07	6.24E-07	1.46E-06	1.37E-07	1.21E-07	2.58E-07	1.02E-07	6.18E-08	1.64E-07
3224	562634.01	4234266.54	1.05E-06	8.69E-07	1.92E-06	1.79E-07	1.39E-07	3.18E-07	8.52E-07	6.37E-07	1.49E-06	1.39E-07	1.24E-07	2.63E-07	1.04E-07	6.31E-08	1.67E-07
3225	562638.28	4234258.29	1.08E-06	8.88E-07	1.97E-06	1.83E-07	1.42E-07	3.25E-07	8.70E-07	6.51E-07	1.52E-06	1.43E-07	1.26E-07	2.69E-07	1.06E-07	6.45E-08	1.71E-07
3226	562642.54	4234250.04	1.10E-06	9.08E-07	2.01E-06	1.87E-07	1.46E-07	3.33E-07	8.90E-07	6.66E-07	1.56E-06	1.46E-07	1.29E-07	2.75E-07	1.09E-07	6.60E-08	1.75E-07
3227	562646.81	4234241.79	1.14E-06	9.37E-07	2.08E-06	1.93E-07	1.50E-07	3.43E-07	9.19E-07	6.88E-07	1.61E-06	1.50E-07	1.33E-07	2.84E-07	1.12E-07	6.81E-08	1.80E-07
3228	562651.07	4234233.54	1.18E-06	9.71E-07	2.15E-06	2.00E-07	1.56E-07	3.56E-07	9.52E-07	7.12E-07	1.66E-06	1.56E-07	1.38E-07	2.94E-07	1.16E-07	7.06E-08	1.87E-07
3229	562655.34	4234225.29	1.22E-06	1.00E-06	2.22E-06	2.07E-07	1.61E-07	3.67E-07	9.83E-07	7.36E-07	1.72E-06	1.61E-07	1.43E-07	3.04E-07	1.20E-07	7.29E-08	1.93E-07
3230	562659.61	4234217.04	1.25E-06	1.03E-06	2.29E-06	2.13E-07	1.66E-07	3.78E-07	1.01E-06	7.58E-07	1.77E-06	1.66E-07	1.47E-07	3.13E-07	1.24E-07	7.51E-08	1.99E-07
3231	562663.87	4234208.8	1.28E-06	1.06E-06	2.34E-06	2.18E-07	1.70E-07	3.88E-07	1.04E-06	7.77E-07	1.81E-06	1.70E-07	1.51E-07	3.20E-07	1.27E-07	7.69E-08	2.04E-07
3232	562668.14	4234200.55	1.32E-06	1.08E-06	2.40E-06	2.23E-07	1.74E-07	3.97E-07	1.06E-06	7.95E-07	1.86E-06	1.74E-07	1.54E-07	3.28E-07	1.30E-07	7.88E-08	2.09E-07
3233	562672.4	4234192.3	1.35E-06	1.11E-06	2.46E-06	2.29E-07	1.78E-07	4.06E-07	1.09E-06	8.14E-07	1.90E-06	1.78E-07	1.58E-07	3.36E-07	1.33E-07	8.06E-08	2.14E-07
3234	562676.67	4234184.05	1.38E-06	1.14E-06	2.51E-06	2.34E-07	1.82E-07	4.16E-07	1.11E-06	8.33E-07	1.95E-06	1.82E-07	1.62E-07	3.44E-07	1.36E-07	8.25E-08	2.19E-07
3235	562680.93	4234175.8	1.41E-06	1.16E-06	2.57E-06	2.39E-07	1.86E-07	4.26E-07	1.14E-06	8.52E-07	1.99E-06	1.87E-07	1.65E-07	3.52E-07	1.39E-07	8.44E-08	2.24E-07
3236	562685.2	4234167.55	1.44E-06	1.19E-06	2.63E-06	2.45E-07	1.90E-07	4.35E-07	1.16E-06	8.72E-07	2.04E-06	1.91E-07	1.69E-07	3.60E-07	1.42E-07	8.63E-08	2.29E-07
3237	562698.31	4234156.48	1.53E-06	1.26E-06	2.79E-06	2.59E-07	2.02E-07	4.61E-07	1.23E-06	9.24E-07	2.16E-06	2.02E-07	1.79E-07	3.81E-07	1.51E-07	9.15E-08	2.43E-07
3238	562707.15	4234153.64	1.59E-06	1.31E-06	2.89E-06	2.69E-07	2.10E-07	4.79E-07	1.28E-06	9.59E-07	2.24E-06	2.10E-07	1.86E-07	3.96E-07	1.57E-07	9.50E-08	2.52E-07
3239	562716	4234150.81	1.65E-06	1.36E-06	3.00E-06	2.79E-07	2.17E-07	4.97E-07	1.33E-06	9.95E-07	2.32E-06	2.18E-07	1.93E-07	4.10E-07	1.63E-07	9.85E-08	2.61E-07
3240	562724.84	4234147.98	1.71E-06	1.41E-06	3.11E-06	2.89E-07	2.25E-07	5.15E-07	1.38E-06	1.03E-06	2.41E-06	2.26E-07	2.00E-07	4.26E-07	1.68E-07	1.02E-07	2.71E-07
3241	562733.69	4234145.15	1.77E-06	1.46E-06	3.22E-06	3.00E-07	2.33E-07	5.33E-07	1.43E-06	1.07E-06	2.50E-06	2.34E-07	2.07E-07	4.41E-07	1.75E-07	1.06E-07	2.80E-07
3242	562742.53	4234142.32	1.83E-06	1.51E-06	3.34E-06	3.11E-07	2.42E-07	5.52E-07	1.48E-06	1.11E-06	2.58E-06	2.42E-07	2.14E-07	4.57E-07	1.81E-07	1.10E-07	2.90E-07
3243	562751.37	4234139.49	1.89E-06	1.56E-06	3.45E-06	3.21E-07	2.50E-07	5.71E-07	1.53E-06	1.14E-06	2.67E-06	2.50E-07	2.22E-07	4.72E-07	1.87E-07	1.13E-07	3.00E-07
3244	562760.22	4234136.66	1.96E-06	1.61E-06	3.57E-06	3.32E-07	2.59E-07	5.91E-07	1.58E-06	1.18E-06	2.76E-06	2.59E-07	2.29E-07	4.88E-07	1.93E-07	1.17E-07	3.11E-07
3245	562769.06	4234133.83	2.02E-06	1.67E-06	3.69E-06	3.43E-07	2.67E-07	6.10E-07	1.63E-06	1.22E-06	2.85E-06	2.67E-07	2.37E-07	5.04E-07	2.00E-07	1.21E-07	3.21E-07
3246	562777.91	4234131	2.09E-06	1.72E-06	3.80E-06	3.54E-07	2.75E-07	6.29E-07	1.68E-06	1.26E-06	2.94E-06	2.76E-07	2.44E-07	5.20E-07	2.06E-07	1.25E-07	3.31E-07
3247	562786.75	4234128.17	2.15E-06	1.77E-06	3.92E-06	3.65E-07	2.84E-07	6.48E-07	1.73E-06	1.30E-06	3.03E-06	2.84E-07	2.52E-07	5.36E-07	2.12E-07	1.29E-07	3.41E-07
3248	562795.6	4234125.34	2.21E-06	1.82E-06	4.03E-06	3.75E-07	2.92E-07	6.67E-07	1.78E-06	1.34E-06	3.12E-06	2.92E-07	2.59E-07	5.51E-07	2.18E-07	1.32E-07	3.51E-07
3249	562804.44	4234122.51	2.27E-06	1.87E-06	4.14E-06	3.85E-07	3.00E-07	6.85E-07	1.83E-06	1.37E-06	3.20E-06	3.00E-07	2.66E-07	5.66E-07	2.24E-07	1.36E-07	3.60E-07
3250	562813.28	4234119.68	2.33E-06	1.92E-06	4.24E-06	3.95E-07	3.07E-07	7.02E-07	1.88E-06	1.41E-06	3.29E-06	3.08E-07	2.73E-07	5.80E-07	2.30E-07	1.39E-07	3.69E-07
3251	562822.13	4234116.85	2.38E-06	1.96E-06	4.34E-06	4.04E-07	3.14E-07	7.19E-07	1.92E-06	1.44E-06	3.36E-06	3.15E-07	2.79E-07	5.94E-07	2.35E-07	1.43E-07	3.78E-07

3252	562830.97	4234114.01	2.43E-06	2.00E-06	4.43E-06	4.13E-07	3.21E-07	7.34E-07	1.96E-06	1.47E-06	3.43E-06	3.22E-07	2.85E-07	6.06E-07	2.40E-07	1.46E-07	3.86E-07
3253	562839.82	4234111.18	2.48E-06	2.04E-06	4.52E-06	4.20E-07	3.27E-07	7.47E-07	2.00E-06	1.50E-06	3.50E-06	3.28E-07	2.90E-07	6.18E-07	2.45E-07	1.48E-07	3.93E-07
3254	562848.66	4234108.35	2.52E-06	2.07E-06	4.59E-06	4.27E-07	3.32E-07	7.59E-07	2.03E-06	1.52E-06	3.55E-06	3.33E-07	2.95E-07	6.28E-07	2.49E-07	1.51E-07	3.99E-07
3255	562857.5	4234105.52	2.55E-06	2.10E-06	4.65E-06	4.33E-07	3.37E-07	7.70E-07	2.06E-06	1.54E-06	3.60E-06	3.37E-07	2.99E-07	6.36E-07	2.52E-07	1.53E-07	4.05E-07
3256	562866.35	4234102.69	2.58E-06	2.12E-06	4.70E-06	4.38E-07	3.41E-07	7.78E-07	2.08E-06	1.56E-06	3.64E-06	3.41E-07	3.02E-07	6.43E-07	2.55E-07	1.54E-07	4.09E-07
3257	562875.19	4234099.86	2.60E-06	2.14E-06	4.74E-06	4.41E-07	3.43E-07	7.85E-07	2.10E-06	1.57E-06	3.67E-06	3.44E-07	3.05E-07	6.49E-07	2.57E-07	1.56E-07	4.12E-07
3258	562884.04	4234097.03	2.61E-06	2.15E-06	4.77E-06	4.43E-07	3.45E-07	7.89E-07	2.11E-06	1.58E-06	3.69E-06	3.46E-07	3.06E-07	6.52E-07	2.58E-07	1.56E-07	4.15E-07
3259	562892.88	4234094.2	2.62E-06	2.16E-06	4.78E-06	4.44E-07	3.46E-07	7.90E-07	2.11E-06	1.58E-06	3.70E-06	3.46E-07	3.07E-07	6.53E-07	2.59E-07	1.57E-07	4.15E-07
3260	562901.73	4234091.37	2.62E-06	2.16E-06	4.77E-06	4.44E-07	3.46E-07	7.89E-07	2.11E-06	1.58E-06	3.69E-06	3.46E-07	3.07E-07	6.53E-07	2.58E-07	1.57E-07	4.15E-07
3261	562910.57	4234088.54	2.61E-06	2.15E-06	4.75E-06	4.42E-07	3.44E-07	7.86E-07	2.10E-06	1.57E-06	3.68E-06	3.45E-07	3.05E-07	6.50E-07	2.57E-07	1.56E-07	4.13E-07
3262	562919.41	4234085.71	2.59E-06	2.13E-06	4.72E-06	4.39E-07	3.42E-07	7.81E-07	2.09E-06	1.56E-06	3.65E-06	3.42E-07	3.03E-07	6.45E-07	2.56E-07	1.55E-07	4.10E-07
3263	562928.26	4234082.88	2.56E-06	2.11E-06	4.67E-06	4.35E-07	3.38E-07	7.73E-07	2.07E-06	1.55E-06	3.62E-06	3.39E-07	3.00E-07	6.39E-07	2.53E-07	1.53E-07	4.06E-07
3264	562937.1	4234080.05	2.53E-06	2.08E-06	4.61E-06	4.29E-07	3.34E-07	7.63E-07	2.04E-06	1.53E-06	3.57E-06	3.34E-07	2.96E-07	6.30E-07	2.50E-07	1.51E-07	4.01E-07
3265	562945.95	4234077.22	2.49E-06	2.05E-06	4.53E-06	4.22E-07	3.28E-07	7.50E-07	2.01E-06	1.50E-06	3.51E-06	3.29E-07	2.91E-07	6.20E-07	2.46E-07	1.49E-07	3.94E-07
3266	562954.79	4234074.38	2.44E-06	2.01E-06	4.45E-06	4.14E-07	3.22E-07	7.36E-07	1.97E-06	1.47E-06	3.44E-06	3.22E-07	2.86E-07	6.08E-07	2.41E-07	1.46E-07	3.87E-07
3267	562990.17	4234063.06	2.20E-06	1.81E-06	4.01E-06	3.73E-07	2.90E-07	6.63E-07	1.77E-06	1.33E-06	3.10E-06	2.91E-07	2.57E-07	5.48E-07	2.17E-07	1.31E-07	3.48E-07
3268	562999.01	4234060.23	2.13E-06	1.75E-06	3.88E-06	3.61E-07	2.81E-07	6.42E-07	1.72E-06	1.29E-06	3.00E-06	2.81E-07	2.49E-07	5.31E-07	2.10E-07	1.27E-07	3.37E-07
3269	563007.86	4234057.4	2.05E-06	1.69E-06	3.74E-06	3.48E-07	2.71E-07	6.19E-07	1.66E-06	1.24E-06	2.90E-06	2.71E-07	2.40E-07	5.12E-07	2.03E-07	1.23E-07	3.25E-07
3270	563016.7	4234054.57	1.97E-06	1.62E-06	3.59E-06	3.34E-07	2.60E-07	5.94E-07	1.59E-06	1.19E-06	2.78E-06	2.60E-07	2.31E-07	4.91E-07	1.95E-07	1.18E-07	3.12E-07
3271	563025.54	4234051.74	1.89E-06	1.56E-06	3.44E-06	3.20E-07	2.49E-07	5.70E-07	1.52E-06	1.14E-06	2.67E-06	2.50E-07	2.21E-07	4.71E-07	1.86E-07	1.13E-07	2.99E-07
3272	563034.39	4234048.91	1.81E-06	1.49E-06	3.30E-06	3.07E-07	2.39E-07	5.45E-07	1.46E-06	1.09E-06	2.55E-06	2.39E-07	2.12E-07	4.51E-07	1.78E-07	1.08E-07	2.87E-07
3273	563043.23	4234046.08	1.74E-06	1.43E-06	3.17E-06	2.95E-07	2.29E-07	5.24E-07	1.40E-06	1.05E-06	2.45E-06	2.30E-07	2.04E-07	4.33E-07	1.72E-07	1.04E-07	2.75E-07
3274	563052.08	4234043.25	1.67E-06	1.37E-06	3.04E-06	2.83E-07	2.20E-07	5.03E-07	1.35E-06	1.01E-06	2.35E-06	2.20E-07	1.95E-07	4.16E-07	1.65E-07	9.98E-08	2.64E-07
3275	563060.92	4234040.42	1.60E-06	1.32E-06	2.92E-06	2.71E-07	2.11E-07	4.83E-07	1.29E-06	9.66E-07	2.26E-06	2.11E-07	1.87E-07	3.99E-07	1.58E-07	9.57E-08	2.54E-07
3276	563069.76	4234037.59	1.53E-06	1.26E-06	2.80E-06	2.60E-07	2.03E-07	4.63E-07	1.24E-06	9.27E-07	2.16E-06	2.03E-07	1.80E-07	3.83E-07	1.51E-07	9.18E-08	2.43E-07
3277	563078.61	4234034.75	1.47E-06	1.21E-06	2.68E-06	2.49E-07	1.94E-07	4.44E-07	1.19E-06	8.89E-07	2.08E-06	1.94E-07	1.72E-07	3.67E-07	1.45E-07	8.80E-08	2.33E-07
3278	563087.45	4234031.92	1.41E-06	1.16E-06	2.57E-06	2.39E-07	1.86E-07	4.25E-07	1.14E-06	8.52E-07	1.99E-06	1.86E-07	1.65E-07	3.52E-07	1.39E-07	8.44E-08	2.24E-07
3279	563096.3	4234029.09	1.35E-06	1.11E-06	2.47E-06	2.29E-07	1.79E-07	4.08E-07	1.09E-06	8.17E-07	1.91E-06	1.79E-07	1.58E-07	3.37E-07	1.34E-07	8.09E-08	2.15E-07
3280	563105.14	4234026.26	1.30E-06	1.07E-06	2.37E-06	2.20E-07	1.71E-07	3.92E-07	1.05E-06	7.85E-07	1.83E-06	1.72E-07	1.52E-07	3.24E-07	1.28E-07	7.77E-08	2.06E-07
3281	563113.99	4234023.43	1.25E-06	1.03E-06	2.27E-06	2.12E-07	1.65E-07	3.76E-07	1.01E-06	7.54E-07	1.76E-06	1.65E-07	1.46E-07	3.11E-07	1.23E-07	7.46E-08	1.98E-07
3282	563122.83	4234020.6	1.20E-06	9.88E-07	2.19E-06	2.04E-07	1.58E-07	3.62E-07	9.69E-07	7.25E-07	1.69E-06	1.59E-07	1.41E-07	2.99E-07	1.18E-07	7.18E-08	1.90E-07
3283	563131.67	4234017.77	1.16E-06	9.52E-07	2.11E-06	1.96E-07	1.53E-07	3.49E-07	9.33E-07	6.98E-07	1.63E-06	1.53E-07	1.35E-07	2.88E-07	1.14E-07	6.91E-08	1.83E-07
3284	562471.92	4234579.98	1.21E-06	9.94E-07	2.20E-06	2.05E-07	1.59E-07	3.64E-07	9.74E-07	7.29E-07	1.70E-06	1.60E-07	1.41E-07	3.01E-07	1.19E-07	7.22E-08	1.91E-07
3285	562471.12	4234589.29	1.20E-06	9.88E-07	2.19E-06	2.03E-07	1.58E-07	3.62E-07	9.68E-07	7.24E-07	1.69E-06	1.59E-07	1.40E-07	2.99E-07	1.18E-07	7.17E-08	1.90E-07
3286	562470.32	4234598.61	1.19E-06	9.79E-07	2.17E-06	2.02E-07	1.57E-07	3.58E-07	9.59E-07	7.18E-07	1.68E-06	1.57E-07	1.39E-07	2.96E-07	1.17E-07	7.11E-08	1.88E-07
3287	562469.53	4234607.93	1.17E-06	9.68E-07	2.14E-06	1.99E-07	1.55E-07	3.54E-07	9.48E-07	7.10E-07	1.66E-06	1.55E-07	1.38E-07	2.93E-07	1.16E-07	7.03E-08	1.86E-07
3288	562468.73	4234617.25	1.16E-06	9.55E-07	2.11E-06	1.97E-07	1.53E-07	3.50E-07	9.36E-07	7.00E-07	1.64E-06	1.53E-07	1.36E-07	2.89E-07	1.14E-07	6.94E-08	1.84E-07
3289	562467.93	4234626.56	1.14E-06	9.40E-07	2.08E-06	1.94E-07	1.51E-07	3.44E-07	9.21E-07	6.89E-07	1.61E-06	1.51E-07	1.34E-07	2.85E-07	1.13E-07	6.83E-08	1.81E-07
3290	562467.13	4234635.88	1.12E-06	9.23E-07	2.04E-06	1.90E-07	1.48E-07	3.38E-07	9.05E-07	6.77E-07	1.58E-06	1.48E-07	1.31E-07	2.80E-07	1.11E-07	6.71E-08	1.78E-07
3291	562466.34	4234645.2	1.10E-06	9.05E-07	2.00E-06	1.86E-07	1.45E-07	3.32E-07	8.87E-07	6.64E-07	1.55E-06	1.45E-07	1.29E-07	2.74E-07	1.09E-07	6.58E-08	1.74E-07
3292	562465.54	4234654.52	1.08E-06	8.86E-07	1.96E-06	1.83E-07	1.42E-07	3.25E-07	8.68E-07	6.50E-07	1.52E-06	1.42E-07	1.26E-07	2.68E-07	1.06E-07	6.44E-08	1.71E-07
3293	562464.74	4234663.83	1.05E-06	8.66E-07	1.92E-06	1.78E-07	1.39E-07	3.17E-07	8.48E-07	6.35E-07	1.48E-06	1.39E-07	1.23E-07	2.62E-07	1.04E-07	6.29E-08	1.67E-07
3294	562463.94	4234673.15	1.02E-06	8.44E-07	1.87E-06	1.74E-07	1.35E-07	3.09E-07	8.27E-07	6.19E-07	1.45E-06	1.36E-07	1.20E-07	2.56E-07	1.01E-07	6.13E-08	1.63E-07
3295	562463.15	4234682.47	9.98E-07	8.22E-07	1.82E-06	1.69E-07	1.32E-07	3.01E-07	8.06E-07	6.03E-07	1.41E-06	1.32E-07	1.17E-07	2.49E-07	9.85E-08	5.97E-08	1.58E-07
3296	562462.35	4234691.79	9.70E-07	7.99E-07	1.77E-06	1.65E-07	1.28E-07	2.93E-07	7.83E-07	5.86E-07	1.37E-06	1.28E-07	1.14E-07	2.42E-07	9.58E-08	5.80E-08	1.54E-07
3297	562436.35	4234568.27	1.13E-06	9.27E-07	2.05E-06	1.91E-07	1.49E-07	3.40E-07	9.08E-07	6.80E-07	1.59E-06	1.49E-07	1.32E-07	2.81E-07	1.11E-07	6.73E-08	1.78E-07
3298	562440.64	4234559.98	1.14E-06	9.37E-07	2.07E-06	1.93E-07	1.50E-07	3.43E-07	9.18E-07	6.87E-07	1.61E-06	1.50E-07	1.33E-07	2.84E-07	1.12E-07	6.81E-08	1.80E-07
3299	562444.93	4234551.69	1.15E-06	9.45E-07	2.09E-06	1.95E-07	1.52E-07	3.46E-07	9.26E-07	6.93E-07	1.62E-06	1.52E-07	1.34E-07	2.86E-07	1.13E-07	6.87E-08	1.82E-07
3300	562449.22	4234543.39	1.15E-06	9.52E-07	2.11E-06	1.96E-07	1.53E-07	3.49E-07	9.33E-07	6.98E-07	1.63E-06	1.53E-07	1.35E-07	2.88E-07	1.14E-07	6.91E-08	1.83E-07
3301	562453.51	4234535.1	1.16E-06	9.56E-07	2.12E-06	1.97E-07	1.53E-07	3.50E-07	9.37E-07	7.01E-07	1.64E-06	1.53E-07	1.36E-07	2.89E-07	1.15E-07	6.95E-08	1.84E-07
3302	562457.8	4234526.81	1.16E-06	9.59E-07	2.12E-06	1.97E-07	1.54E-07	3.51E-07	9.40E-07	7.03E-07	1.64E-06	1.54E-07	1.36E-07	2.90E-07	1.15E-07	6.97E-08	1.85E-07
3303	562462.08	4234518.52	1.17E-06	9.60E-07	2.12E-06	1.98E-07	1.54E-07	3.52E-07	9.41E-07	7.04E-07	1.64E-06	1.54E-07	1.37E-07	2.91E-07	1.15E-07	6.97E-08	1.85E-07
3304	562466.37	4234510.22	1.16E-06	9.59E-07	2.12E-06	1.98E-07	1.54E-07	3.51E-07	9.40E-07	7.04E-07	1.64E-06	1.54E-07	1.36E-07	2.90E-07	1.15E-07	6.97E-08	1.85E-07
3305	562470.66	4234501.93	1.16E-06	9.57E-07	2.12E-06	1.97E-07	1.53E-07	3.50E-07	9.38E-07	7.02E-07	1.64E-06	1.54E-07	1.36E-07	2.90E-07	1.15E-07	6.95E-08	1.84E-07
3306	562474.95	4234493.64	1.16E-06	9.53E-07	2.11E-06	1.96E-07	1.53E-07	3.49E-07	9.34E-07	6.99E-07	1.63E-06	1.53E-07	1.36E-07	2.88E-07	1.14E-07	6.92E-08	1.83E-07
3307	562479.24	4234485.34	1.15E-06	9.47E-07	2.10E-06	1.95E-07	1.52E-07	3.47E-07	9.28E-07	6.95E-07	1.62E-06	1.52E-07	1.35E-07	2.87E-07	1.14E-07	6.88E-08	1.82E-07
3308	562483.53	4234477.05	1.14E-06	9.40E-07	2.08E-06	1.94E-07	1.51E-07	3.44E-07	9.21E-07	6.90E-07	1.61E-06	1.51E-07	1.34E-07	2.85E-07	1.13E-07	6.83E-08	1.81E-07
3309	562487.82	4234468.76	1.13E-06	9.32E-07	2.06E-06	1.92E-07	1.49E-07	3.41E-07	9.13E-07	6.84E-07	1.60E-06	1.50E-07	1.33E-07	2.82E-07	1.12E-07	6.77E-08	1.79E-07
3310	562492.1	4234460.47	1.12E-06	9.22E-07	2.04E-06	1.90E-07	1.48E-07	3.38E-07	9.04E-07	6.76E-07	1.58E-06	1.48E-07	1.31E-07	2.79E-07	1.11E-07	6.70E-08	1.78E-07
3311	562496.39	4234452.17	1.11E-06	9.11E-07	2.02E-06	1.88E-07	1.46E-07	3.34E-07	8.93E-07	6.69E-07	1.56E-06	1.46E-07	1.30E-07	2.76E-07	1.09E-07	6.62E-08	1.75E-07
3312	562500.68	4234443.88	1.09E-06	8.99E-07	1.99E-06	1.85E-07	1.44E-07	3.29E-07	8.81E-07	6.60E-07	1.54E-06	1.44E-07	1.28E-07	2.72E-07	1.08E-07	6.53E-08	1.73E-07
3313	562504.97	4234435.59	1.08E-06	8.87E-07	1.96E-06	1.83E-07	1.42E-07	3.25E-07	8.69E-07	6.50E-07	1.52E-06	1.42E-07	1.26E-07	2.68E-07	1.06E-07	6.44E-08	1.71E-07
3314	562509.26	4234427.3	1.06E-06	8.73E-07	1.93E-06	1.80E-07	1.40E-07	3.20E-07	8.56E-07	6.41E-07	1.50E-06	1.40E-07	1.24E-07	2.64E-07	1.05E-07	6.34E-08	1.68E-07
3315	562513.55	4234419	1.04E-06	8.59E-07	1.90E-06	1.77E-07	1.38E-07	3.15E-07	8.42E-07	6.30E-07	1.47E-06	1.38E-07	1.22E-07	2.60E-07	1.03E-07	6.24E-08	1.65E-07
3316	562517.84	4234410.71	1.03E-06	8.45E-07	1.87E-06	1.74E-07	1.35E-07	3.09E-07	8.28E-07	6.20E-07	1.45E-06	1.36E-07	1.20E-07	2.56E-07	1.01E-07	6.14E-08	1.63E-07
3317	562522.12	4234402.42	1.01E-06	8.30E-07	1.84E-06	1.71E-07	1.33E-07	3.04E-07	8.14E-07	6.09E-07	1.42E-06	1.33E-07	1.18E-07	2.51E-07	9.95E-08	6.03E-08	1.60E-07
3318	562526.41	4234394.12	9.90E-07	8.16E-07	1.81E-06	1.68E-07	1.31E-07	2.99E-07	8.00E-07	5.98E-07	1.40E-06	1.31E-07	1.16E-07	2.47E-07	9.78E-08	5.93E-08	1.57E-07
3319	562530.7	4234385.83	9.73E-07	8.02E-07	1.78E-06	1.65E-07	1.29E-07	2.94E-07	7.86E-07	5.88E-07	1.37E-06	1.29E-07	1.14E-07	2.43E-07	9.61E-08	5.83E-08	1.54E-07
3320	562534.99	4234377.54	9.57E-07	7.89E-07	1.75E-06	1.62E-07	1.26E-07	2.89E-07	7.73E-07	5.79E-07	1.35E-06	1.27E-07	1.12E-07	2.39E-07	9.45E-08	5.73E-08	1.52E-07
3321	562539.28	4234369.25	9.43E-07	7.77E-07	1.72E-06	1.60E-07	1.24E-07	2.84E-07	7.61E-07	5.70E-07	1.33E-06	1.25E-07	1.10E-07	2.35E-07	9.31E-08	5.64E-08	1.49E-07
3322	562543.57	4234360.95	9.29E-07	7.66E-07	1.69E-06	1.58E-07	1.23E-07	2.80E-07	7.50E-07	5.62E-07	1.31E-06	1.23E-07	1.09E-07	2.32E-07	9.18E-08	5.56E-08	1.47E-07
3323	562547.86	4234352.66	9.18E-07	7.56E-07	1.67E-06	1.56E-07	1.21E-07	2.77E-07	7.41E-07	5.55E-07	1.30E-06	1.21E-07	1.08E-07	2.29E-07	9.06E-08	5.49E-08	1.46E-07
3324	562552.14	4234344.37	9.08E-07	7.48E-07	1.66E-06	1.54E-07	1.20E-07	2.74E-07	7.34E-07	5.49E-07	1.28E-06	1.20E-07	1.06E-07	2.27E-07	8.97E-08	5.44E-08	1.44E-07
3325	562556.43	4234336.07	9.01E-07	7.43E-07	1.64E-06	1.53E-07	1.19E-07	2.72E-07	7.28E-07	5.45E-07	1.27E-06	1.19E-07	1.06E-07	2.25E-07	8.90E-08	5.40E-08	1.43E-07
3326	562560.72	4234327.78	8.97E-07	7.39E-07	1.64E-06	1.52E-07	1.18E-07	2.71E-07	7.24E-07	5.42E-07	1.27E-06	1.19E-07	1.05E-07	2.24E-07	8.86E-08	5.37E-08	1.42E-07
3327	562565.01	4234319.49	8.95E-07	7.37E-07	1.63E-06	1.52E-07	1.18E-07	2.70E-07	7.23E-07	5.41E-07	1.26E-06	1.18E-07	1.05E-07	2.23E-07	8.84E-08	5.36E-08	1.42E-07
3328	562569.3	4234311.2	8.96E-07	7.38E-07	1.63E-06	1.52E-07	1.18E-07	2.70E-07	7.23E-07	5.41E-07	1.26E-06	1.18E-07	1.05E-07	2.23E-07	8.84E-08	5.36E-08	1.42E-07
3329	562573.59	4234302.9	8.97E-07	7.39E-07	1.64E-06	1.52E-07	1.18E-07	2.71E-07	7.24E-07	5.42E-07	1.27E-06	1.19E-07	1.05E-07	2.24E-07	8.85E-08	5.37E-08	1.42E-07
3330	562577.88	4234294.61	8.95E-07	7.37E-07	1.63E-06	1.52E-07	1.18E-07	2.70E-07	7.23E-07	5.41E-07	1.26E-06	1.18E-07	1.05E-07	2.23E-07	8.84E-08	5.36E-08	1.42E-07
3331	562582.16	4234286.32	8.94E-07	7.36E-07	1.63E-06	1.52E-07	1.18E-07	2.70E-07	7.21E-07	5.40E-07	1.26E-06	1.18E-07	1.05E-07	2.23E-07	8.82E-08	5.35E-08	1.42E-07
3332	562586.45	4234278.02	8.94E-07	7.37E-07	1.63E-06	1.52E-07	1.18E-07	2.70E-07	7.22E-07	5.40E-07	1.26E-06	1.18E-07	1.05E-07	2.23E-07	8.83E-08	5.35E-08	1.42E-07
3333	562590.74	4234269.73	9.05E-07	7.46E-07	1.65E-06	1.54E-07	1.20E-07	2.73E-07	7.31E-07	5.47E-07	1.28E-06	1.20E-07	1.06E-07	2.26E-07	8.94E-08	5.42E-08	1.44E-07
3334	562595.03	4234261.44	9.20E-07	7.58E-07	1.68E-06	1.56E-07	1.22E-07	2.78E-07	7.43E-07	5.56E-07	1.30E-06	1.22E-07	1.08E-07	2.30E-07	9.09E-08	5.51E-08	1.46E-07
3335	562599.32	4234253.15	9.37E-07	7.72E-07	1.71E-06	1.59E-07	1.24E-07	2.83E-07	7.57E-07	5.66E-07	1.32E-06	1.24E-07	1.10E-07	2.34E-07	9.25E-08	5.61E-08	1.49E-07
3336	562603.61	4234244.85	9.55E-07	7.87E-07	1.74E-06	1.62E-07	1.26E-07	2.88E-07	7.71E-07	5.77E-07	1.35E-06	1.26E-07	1.12E-07	2.38E-07	9.44E-08	5.72E-08	1.52E-07
3337	562607.9	4234236.56	9.76E-07	8.04E-07	1.78E-06	1.66E-07	1.29E-07	2.94E-07	7.88E-07	5.90E-07	1.38E-06	1.29E-07	1.14E-07	2.43E-07	9.63E-08	5.84E-08	1.55E-07
3338	562612.18	4234228.27	9.97E-07	8.21E-07	1.82E-06	1.69E-07	1.32E-07	3.01E-07	8.05E-07	6.02E-07	1.41E-06	1.32E-07	1.17E-07	2.49E-07	9.85E-08	5.97E-08	1.58E-07
3339	562616.47	4234219.98	1.02E-06	8.42E-07	1.86E-06	1.73E-07	1.35E-07	3.09E-07	8.26E-07	6.18E-07	1.44E-06	1.35E-07	1.20E-07	2.55E-07	1.01E-07	6.12E-08	1.62E-07
3340	562620.76	4234211.68	1.05E-06	8.67E-07	1.92E-06	1.78E-07	1.39E-07	3.17E-07	8.49E-07	6.36E-07	1.48E-06	1.39E-07	1.23E-07	2.62E-07	1.04E-07	6.30E-08	1.67E-07
3341	562625.05	4234203.39	1.08E-06	8.91E-07	1.97E-06	1.84E-07	1.43E-07	3.26E-07	8.73E-07	6.54E-07	1.53E-06	1.43E-07	1.27E-07	2.70E-07	1.07E-07	6.48E-08	1.72E-07
3342	562629.34	4234195.1	1.11E-06	9.17E-07	2.03E-06	1.89E-07	1.47E-07	3.36E-07	8.98E-07	6.72E-07	1.57E-06	1.47E-07	1.30E-07	2.77E-07	1.10E-07	6.66E-08	1.76E-07
3343	562633.63	4234186.8	1.14E-06	9.43E-07	2.09E-06	1.94E-07	1.51E-07	3.45E-07	9.24E-07	6.92E-07	1.62E-06	1.51E-07	1.34E-07	2.85E-07	1.13E-07	6.85E-08	1.81E-07
3344	562637.91	4234178.51	1.18E-06	9.69E-07	2.15E-06	2.00E-07	1.55E-07	3.55E-07	9.50E-07	7.11E-07	1.66E-06	1.56E-07	1.38E-07	2.93E-07	1.16E-07	7.04E-08	1.87E-07

3345	562642.2	4234170.22	1.21E-06	9.96E-07	2.21E-06	2.05E-07	1.60E-07	3.65E-07	9.76E-07	7.31E-07	1.71E-06	1.60E-07	1.42E-07	3.02E-07	1.19E-07	7.24E-08	1.92E-07
3346	562646.49	4234161.93	1.24E-06	1.02E-06	2.26E-06	2.10E-07	1.64E-07	3.74E-07	1.00E-06	7.49E-07	1.75E-06	1.64E-07	1.45E-07	3.09E-07	1.22E-07	7.41E-08	1.96E-07
3347	562650.78	4234153.63	1.27E-06	1.04E-06	2.31E-06	2.15E-07	1.67E-07	3.82E-07	1.02E-06	7.66E-07	1.79E-06	1.68E-07	1.48E-07	3.16E-07	1.25E-07	7.58E-08	2.01E-07
3348	562655.07	4234145.34	1.29E-06	1.07E-06	2.36E-06	2.20E-07	1.71E-07	3.91E-07	1.05E-06	7.83E-07	1.83E-06	1.71E-07	1.52E-07	3.23E-07	1.28E-07	7.75E-08	2.05E-07
3349	562659.36	4234137.05	1.32E-06	1.09E-06	2.41E-06	2.24E-07	1.75E-07	3.99E-07	1.07E-06	8.00E-07	1.87E-06	1.75E-07	1.55E-07	3.30E-07	1.31E-07	7.92E-08	2.10E-07
3350	562672.54	4234125.91	1.40E-06	1.15E-06	2.55E-06	2.38E-07	1.85E-07	4.23E-07	1.13E-06	8.46E-07	1.98E-06	1.85E-07	1.64E-07	3.49E-07	1.38E-07	8.38E-08	2.22E-07
3351	562681.43	4234123.06	1.45E-06	1.20E-06	2.65E-06	2.46E-07	1.92E-07	4.38E-07	1.17E-06	8.77E-07	2.05E-06	1.92E-07	1.70E-07	3.62E-07	1.43E-07	8.68E-08	2.30E-07
3352	562690.32	4234120.22	1.50E-06	1.24E-06	2.74E-06	2.55E-07	1.98E-07	4.53E-07	1.21E-06	9.08E-07	2.12E-06	1.99E-07	1.76E-07	3.75E-07	1.48E-07	8.99E-08	2.38E-07
3353	562699.21	4234117.37	1.56E-06	1.28E-06	2.84E-06	2.64E-07	2.06E-07	4.70E-07	1.26E-06	9.40E-07	2.20E-06	2.06E-07	1.82E-07	3.88E-07	1.54E-07	9.31E-08	2.47E-07
3354	562708.1	4234114.52	1.61E-06	1.33E-06	2.94E-06	2.73E-07	2.13E-07	4.86E-07	1.30E-06	9.73E-07	2.27E-06	2.13E-07	1.89E-07	4.02E-07	1.59E-07	9.64E-08	2.55E-07
3355	562717	4234111.68	1.67E-06	1.37E-06	3.04E-06	2.83E-07	2.20E-07	5.03E-07	1.35E-06	1.01E-06	2.35E-06	2.20E-07	1.95E-07	4.16E-07	1.65E-07	9.97E-08	2.64E-07
3356	562725.89	4234108.83	1.72E-06	1.42E-06	3.14E-06	2.92E-07	2.28E-07	5.20E-07	1.39E-06	1.04E-06	2.43E-06	2.28E-07	2.02E-07	4.30E-07	1.70E-07	1.03E-07	2.73E-07
3357	562734.78	4234105.99	1.78E-06	1.47E-06	3.25E-06	3.02E-07	2.35E-07	5.37E-07	1.44E-06	1.08E-06	2.51E-06	2.35E-07	2.09E-07	4.44E-07	1.76E-07	1.07E-07	2.82E-07
3358	562743.67	4234103.14	1.84E-06	1.51E-06	3.35E-06	3.12E-07	2.43E-07	5.54E-07	1.48E-06	1.11E-06	2.59E-06	2.43E-07	2.15E-07	4.58E-07	1.81E-07	1.10E-07	2.91E-07
3359	562752.56	4234100.3	1.89E-06	1.56E-06	3.45E-06	3.21E-07	2.50E-07	5.72E-07	1.53E-06	1.14E-06	2.67E-06	2.50E-07	2.22E-07	4.72E-07	1.87E-07	1.13E-07	3.00E-07
3360	562761.46	4234097.45	1.95E-06	1.61E-06	3.56E-06	3.31E-07	2.58E-07	5.89E-07	1.58E-06	1.18E-06	2.75E-06	2.58E-07	2.29E-07	4.87E-07	1.93E-07	1.17E-07	3.10E-07
3361	562770.35	4234094.6	2.01E-06	1.65E-06	3.66E-06	3.41E-07	2.65E-07	6.06E-07	1.62E-06	1.21E-06	2.83E-06	2.65E-07	2.35E-07	5.01E-07	1.98E-07	1.20E-07	3.18E-07
3362	562779.24	4234091.76	2.06E-06	1.70E-06	3.76E-06	3.50E-07	2.72E-07	6.22E-07	1.67E-06	1.25E-06	2.91E-06	2.73E-07	2.42E-07	5.15E-07	2.04E-07	1.23E-07	3.27E-07
3363	562788.13	4234088.91	2.12E-06	1.74E-06	3.86E-06	3.59E-07	2.79E-07	6.39E-07	1.71E-06	1.28E-06	2.99E-06	2.80E-07	2.48E-07	5.28E-07	2.09E-07	1.27E-07	3.36E-07
3364	562797.02	4234086.07	2.17E-06	1.79E-06	3.95E-06	3.68E-07	2.86E-07	6.54E-07	1.75E-06	1.31E-06	3.06E-06	2.87E-07	2.54E-07	5.41E-07	2.14E-07	1.30E-07	3.44E-07
3365	562805.91	4234083.22	2.22E-06	1.83E-06	4.04E-06	3.76E-07	2.93E-07	6.69E-07	1.79E-06	1.34E-06	3.13E-06	2.93E-07	2.60E-07	5.53E-07	2.19E-07	1.33E-07	3.51E-07
3366	562814.81	4234080.37	2.26E-06	1.86E-06	4.12E-06	3.84E-07	2.99E-07	6.82E-07	1.83E-06	1.37E-06	3.19E-06	2.99E-07	2.65E-07	5.64E-07	2.23E-07	1.35E-07	3.59E-07
3367	562823.7	4234077.53	2.30E-06	1.90E-06	4.20E-06	3.91E-07	3.04E-07	6.94E-07	1.86E-06	1.39E-06	3.25E-06	3.04E-07	2.70E-07	5.74E-07	2.27E-07	1.38E-07	3.65E-07
3368	562832.59	4234074.68	2.34E-06	1.93E-06	4.26E-06	3.97E-07	3.09E-07	7.05E-07	1.89E-06	1.41E-06	3.30E-06	3.09E-07	2.74E-07	5.83E-07	2.31E-07	1.40E-07	3.71E-07
3369	562841.48	4234071.84	2.37E-06	1.95E-06	4.32E-06	4.02E-07	3.13E-07	7.15E-07	1.91E-06	1.43E-06	3.34E-06	3.13E-07	2.78E-07	5.91E-07	2.34E-07	1.42E-07	3.76E-07
3370	562850.37	4234068.99	2.39E-06	1.97E-06	4.37E-06	4.06E-07	3.16E-07	7.23E-07	1.93E-06	1.45E-06	3.38E-06	3.17E-07	2.81E-07	5.97E-07	2.37E-07	1.43E-07	3.80E-07
3371	562859.26	4234066.14	2.41E-06	1.99E-06	4.40E-06	4.10E-07	3.19E-07	7.29E-07	1.95E-06	1.46E-06	3.41E-06	3.19E-07	2.83E-07	6.02E-07	2.38E-07	1.45E-07	3.83E-07
3372	562868.16	4234063.3	2.43E-06	2.00E-06	4.43E-06	4.12E-07	3.21E-07	7.33E-07	1.96E-06	1.47E-06	3.43E-06	3.21E-07	2.84E-07	6.06E-07	2.40E-07	1.45E-07	3.85E-07
3373	562877.05	4234060.45	2.43E-06	2.01E-06	4.44E-06	4.13E-07	3.21E-07	7.34E-07	1.97E-06	1.47E-06	3.44E-06	3.22E-07	2.85E-07	6.07E-07	2.40E-07	1.46E-07	3.86E-07
3374	562885.94	4234057.61	2.43E-06	2.00E-06	4.44E-06	4.13E-07	3.21E-07	7.34E-07	1.96E-06	1.47E-06	3.44E-06	3.22E-07	2.85E-07	6.07E-07	2.40E-07	1.46E-07	3.86E-07
3375	562894.83	4234054.76	2.43E-06	2.00E-06	4.42E-06	4.12E-07	3.20E-07	7.32E-07	1.96E-06	1.47E-06	3.42E-06	3.21E-07	2.84E-07	6.05E-07	2.40E-07	1.45E-07	3.85E-07
3376	562903.72	4234051.91	2.41E-06	1.99E-06	4.40E-06	4.09E-07	3.18E-07	7.27E-07	1.95E-06	1.46E-06	3.40E-06	3.19E-07	2.83E-07	6.01E-07	2.38E-07	1.44E-07	3.82E-07
3377	562912.61	4234049.07	2.39E-06	1.97E-06	4.36E-06	4.05E-07	3.16E-07	7.21E-07	1.93E-06	1.44E-06	3.37E-06	3.16E-07	2.80E-07	5.96E-07	2.36E-07	1.43E-07	3.79E-07
3378	562921.51	4234046.22	2.36E-06	1.95E-06	4.31E-06	4.01E-07	3.12E-07	7.12E-07	1.91E-06	1.43E-06	3.33E-06	3.12E-07	2.77E-07	5.89E-07	2.33E-07	1.41E-07	3.74E-07
3379	562930.4	4234043.38	2.33E-06	1.92E-06	4.24E-06	3.95E-07	3.07E-07	7.02E-07	1.88E-06	1.41E-06	3.28E-06	3.08E-07	2.73E-07	5.80E-07	2.30E-07	1.39E-07	3.69E-07
3380	562939.29	4234040.53	2.29E-06	1.88E-06	4.17E-06	3.88E-07	3.02E-07	6.90E-07	1.85E-06	1.38E-06	3.23E-06	3.02E-07	2.68E-07	5.70E-07	2.26E-07	1.37E-07	3.63E-07
3381	562948.18	4234037.68	2.24E-06	1.85E-06	4.09E-06	3.80E-07	2.96E-07	6.76E-07	1.81E-06	1.35E-06	3.16E-06	2.96E-07	2.63E-07	5.59E-07	2.21E-07	1.34E-07	3.55E-07
3382	562957.07	4234034.84	2.19E-06	1.80E-06	3.99E-06	3.72E-07	2.89E-07	6.61E-07	1.77E-06	1.32E-06	3.09E-06	2.90E-07	2.57E-07	5.46E-07	2.16E-07	1.31E-07	3.47E-07
3383	562965.96	4234031.99	2.14E-06	1.76E-06	3.89E-06	3.62E-07	2.82E-07	6.44E-07	1.72E-06	1.29E-06	3.01E-06	2.82E-07	2.50E-07	5.33E-07	2.11E-07	1.28E-07	3.39E-07
3384	562992.64	4234023.46	1.95E-06	1.61E-06	3.56E-06	3.31E-07	2.58E-07	5.89E-07	1.58E-06	1.18E-06	2.76E-06	2.58E-07	2.29E-07	4.87E-07	1.93E-07	1.17E-07	3.10E-07
3385	563001.53	4234020.61	1.89E-06	1.56E-06	3.44E-06	3.20E-07	2.49E-07	5.70E-07	1.52E-06	1.14E-06	2.67E-06	2.50E-07	2.21E-07	4.71E-07	1.86E-07	1.13E-07	2.99E-07
3386	563010.42	4234017.76	1.82E-06	1.50E-06	3.31E-06	3.08E-07	2.40E-07	5.48E-07	1.47E-06	1.10E-06	2.56E-06	2.40E-07	2.13E-07	4.53E-07	1.79E-07	1.09E-07	2.88E-07
3387	563019.32	4234014.92	1.74E-06	1.44E-06	3.18E-06	2.96E-07	2.30E-07	5.26E-07	1.41E-06	1.05E-06	2.46E-06	2.30E-07	2.04E-07	4.35E-07	1.72E-07	1.04E-07	2.76E-07
3388	563028.21	4234012.07	1.67E-06	1.38E-06	3.05E-06	2.83E-07	2.21E-07	5.04E-07	1.35E-06	1.01E-06	2.36E-06	2.21E-07	1.96E-07	4.17E-07	1.65E-07	9.99E-08	2.65E-07
3389	563037.1	4234009.23	1.60E-06	1.32E-06	2.92E-06	2.72E-07	2.12E-07	4.83E-07	1.29E-06	9.68E-07	2.26E-06	2.12E-07	1.88E-07	3.99E-07	1.58E-07	9.58E-08	2.54E-07
3390	563045.99	4234006.38	1.54E-06	1.27E-06	2.81E-06	2.61E-07	2.03E-07	4.64E-07	1.24E-06	9.30E-07	2.17E-06	2.04E-07	1.80E-07	3.84E-07	1.52E-07	9.21E-08	2.44E-07
3391	563054.88	4234003.53	1.48E-06	1.22E-06	2.70E-06	2.51E-07	1.95E-07	4.46E-07	1.19E-06	8.93E-07	2.09E-06	1.95E-07	1.73E-07	3.69E-07	1.46E-07	8.85E-08	2.34E-07
3392	563063.77	4234000.69	1.42E-06	1.17E-06	2.59E-06	2.41E-07	1.87E-07	4.28E-07	1.15E-06	8.58E-07	2.00E-06	1.88E-07	1.66E-07	3.54E-07	1.40E-07	8.50E-08	2.25E-07
3393	563072.67	4233997.84	1.36E-06	1.12E-06	2.49E-06	2.31E-07	1.80E-07	4.11E-07	1.10E-06	8.24E-07	1.92E-06	1.80E-07	1.60E-07	3.40E-07	1.35E-07	8.16E-08	2.16E-07
3394	563081.56	4233995	1.31E-06	1.08E-06	2.39E-06	2.22E-07	1.73E-07	3.95E-07	1.06E-06	7.91E-07	1.85E-06	1.73E-07	1.53E-07	3.26E-07	1.29E-07	7.83E-08	2.08E-07
3395	563090.45	4233992.15	1.26E-06	1.04E-06	2.29E-06	2.13E-07	1.66E-07	3.79E-07	1.01E-06	7.59E-07	1.77E-06	1.66E-07	1.47E-07	3.13E-07	1.24E-07	7.52E-08	1.99E-07
3396	563099.34	4233989.3	1.21E-06	9.95E-07	2.20E-06	2.05E-07	1.59E-07	3.64E-07	9.75E-07	7.30E-07	1.70E-06	1.60E-07	1.41E-07	3.01E-07	1.19E-07	7.23E-08	1.92E-07
3397	563108.23	4233986.46	1.16E-06	9.57E-07	2.12E-06	1.97E-07	1.53E-07	3.50E-07	9.38E-07	7.02E-07	1.64E-06	1.54E-07	1.36E-07	2.90E-07	1.15E-07	6.95E-08	1.84E-07
3398	563117.12	4233983.61	1.12E-06	9.21E-07	2.04E-06	1.90E-07	1.48E-07	3.37E-07	9.03E-07	6.76E-07	1.58E-06	1.48E-07	1.31E-07	2.79E-07	1.10E-07	6.69E-08	1.77E-07
3399	563126.02	4233980.77	1.08E-06	8.88E-07	1.97E-06	1.83E-07	1.42E-07	3.25E-07	8.70E-07	6.51E-07	1.52E-06	1.42E-07	1.26E-07	2.69E-07	1.06E-07	6.45E-08	1.71E-07
3400	563134.91	4233977.92	1.04E-06	8.57E-07	1.90E-06	1.76E-07	1.37E-07	3.14E-07	8.40E-07	6.28E-07	1.47E-06	1.38E-07	1.22E-07	2.59E-07	1.03E-07	6.22E-08	1.65E-07
3401	562432.06	4234576.57	1.11E-06	9.15E-07	2.03E-06	1.89E-07	1.47E-07	3.35E-07	8.97E-07	6.71E-07	1.57E-06	1.47E-07	1.30E-07	2.77E-07	1.10E-07	6.65E-08	1.76E-07
3402	562431.27	4234585.88	1.10E-06	9.08E-07	2.01E-06	1.87E-07	1.46E-07	3.33E-07	8.90E-07	6.66E-07	1.56E-06	1.46E-07	1.29E-07	2.75E-07	1.09E-07	6.60E-08	1.75E-07
3403	562430.47	4234595.2	1.09E-06	8.99E-07	1.99E-06	1.85E-07	1.44E-07	3.29E-07	8.81E-07	6.60E-07	1.54E-06	1.44E-07	1.28E-07	2.72E-07	1.08E-07	6.53E-08	1.73E-07
3404	562429.67	4234604.52	1.08E-06	8.89E-07	1.97E-06	1.83E-07	1.42E-07	3.26E-07	8.71E-07	6.52E-07	1.52E-06	1.43E-07	1.26E-07	2.69E-07	1.07E-07	6.46E-08	1.71E-07
3405	562428.87	4234613.84	1.06E-06	8.76E-07	1.94E-06	1.81E-07	1.41E-07	3.21E-07	8.59E-07	6.43E-07	1.50E-06	1.41E-07	1.25E-07	2.65E-07	1.05E-07	6.37E-08	1.69E-07
3406	562428.08	4234623.15	1.05E-06	8.63E-07	1.91E-06	1.78E-07	1.38E-07	3.16E-07	8.46E-07	6.33E-07	1.48E-06	1.39E-07	1.23E-07	2.61E-07	1.03E-07	6.27E-08	1.66E-07
3407	562427.28	4234632.47	1.03E-06	8.48E-07	1.88E-06	1.75E-07	1.36E-07	3.11E-07	8.31E-07	6.22E-07	1.45E-06	1.36E-07	1.21E-07	2.57E-07	1.02E-07	6.16E-08	1.63E-07
3408	562426.48	4234641.79	1.01E-06	8.32E-07	1.84E-06	1.71E-07	1.33E-07	3.05E-07	8.15E-07	6.10E-07	1.43E-06	1.34E-07	1.18E-07	2.52E-07	9.97E-08	6.04E-08	1.60E-07
3409	562425.68	4234651.11	9.89E-07	8.14E-07	1.80E-06	1.68E-07	1.31E-07	2.98E-07	7.98E-07	5.97E-07	1.40E-06	1.31E-07	1.16E-07	2.47E-07	9.76E-08	5.92E-08	1.57E-07
3410	562424.89	4234660.42	9.66E-07	7.96E-07	1.76E-06	1.64E-07	1.28E-07	2.92E-07	7.80E-07	5.84E-07	1.36E-06	1.28E-07	1.13E-07	2.41E-07	9.54E-08	5.78E-08	1.53E-07
3411	562424.09	4234669.74	9.43E-07	7.77E-07	1.72E-06	1.60E-07	1.25E-07	2.85E-07	7.62E-07	5.70E-07	1.33E-06	1.25E-07	1.11E-07	2.35E-07	9.32E-08	5.65E-08	1.50E-07
3412	562423.29	4234679.06	9.19E-07	7.57E-07	1.68E-06	1.56E-07	1.21E-07	2.77E-07	7.42E-07	5.56E-07	1.30E-06	1.22E-07	1.08E-07	2.29E-07	9.08E-08	5.50E-08	1.46E-07
3413	562422.49	4234688.38	8.94E-07	7.37E-07	1.63E-06	1.52E-07	1.18E-07	2.70E-07	7.22E-07	5.40E-07	1.26E-06	1.18E-07	1.05E-07	2.23E-07	8.83E-08	5.35E-08	1.42E-07
3414	562396.44	4234564.97	1.04E-06	8.56E-07	1.90E-06	1.76E-07	1.37E-07	3.14E-07	8.39E-07	6.28E-07	1.47E-06	1.37E-07	1.22E-07	2.59E-07	1.03E-07	6.22E-08	1.65E-07
3415	562400.68	4234556.78	1.05E-06	8.66E-07	1.92E-06	1.78E-07	1.39E-07	3.17E-07	8.49E-07	6.35E-07	1.48E-06	1.39E-07	1.23E-07	2.62E-07	1.04E-07	6.29E-08	1.67E-07
3416	562404.91	4234548.59	1.06E-06	8.75E-07	1.94E-06	1.80E-07	1.40E-07	3.20E-07	8.57E-07	6.42E-07	1.50E-06	1.40E-07	1.24E-07	2.65E-07	1.05E-07	6.35E-08	1.68E-07
3417	562409.15	4234540.4	1.07E-06	8.82E-07	1.95E-06	1.82E-07	1.41E-07	3.23E-07	8.64E-07	6.47E-07	1.51E-06	1.42E-07	1.25E-07	2.67E-07	1.06E-07	6.41E-08	1.70E-07
3418	562413.38	4234532.21	1.08E-06	8.87E-07	1.96E-06	1.83E-07	1.42E-07	3.25E-07	8.70E-07	6.51E-07	1.52E-06	1.42E-07	1.26E-07	2.69E-07	1.06E-07	6.45E-08	1.71E-07
3419	562417.62	4234524.02	1.08E-06	8.91E-07	1.97E-06	1.84E-07	1.43E-07	3.27E-07	8.74E-07	6.54E-07	1.53E-06	1.43E-07	1.27E-07	2.70E-07	1.07E-07	6.48E-08	1.72E-07
3420	562421.85	4234515.83	1.09E-06	8.94E-07	1.98E-06	1.84E-07	1.43E-07	3.27E-07	8.76E-07	6.56E-07	1.53E-06	1.44E-07	1.27E-07	2.71E-07	1.07E-07	6.50E-08	1.72E-07
3421	562426.09	4234507.64	1.09E-06	8.95E-07	1.98E-06	1.84E-07	1.44E-07	3.28E-07	8.77E-07	6.57E-07	1.53E-06	1.44E-07	1.27E-07	2.71E-07	1.07E-07	6.50E-08	1.72E-07
3422	562430.32	4234499.45	1.09E-06	8.95E-07	1.98E-06	1.84E-07	1.43E-07	3.28E-07	8.77E-07	6.56E-07	1.53E-06	1.44E-07	1.27E-07	2.71E-07	1.07E-07	6.50E-08	1.72E-07
3423	562434.56	4234491.27	1.08E-06	8.93E-07	1.98E-06	1.84E-07	1.43E-07	3.27E-07	8.75E-07	6.55E-07	1.53E-06	1.43E-07	1.27E-07	2.70E-07	1.07E-07	6.49E-08	1.72E-07
3424	562438.79	4234483.08	1.08E-06	8.90E-07	1.97E-06	1.83E-07	1.43E-07	3.26E-07	8.72E-07	6.53E-07	1.52E-06	1.43E-07	1.27E-07	2.69E-07	1.07E-07	6.46E-08	1.71E-07
3425	562443.03	4234474.89	1.07E-06	8.85E-07	1.96E-06	1.82E-07	1.42E-07	3.24E-07	8.68E-07	6.49E-07	1.52E-06	1.42E-07	1.26E-07	2.68E-07	1.06E-07	6.43E-08	1.70E-07
3426	562447.26	4234466.7	1.07E-06	8.79E-07	1.95E-06	1.81E-07	1.41E-07	3.22E-07	8.62E-07	6.45E-07	1.51E-06	1.41E-07	1.25E-07	2.66E-07	1.05E-07	6.39E-08	1.69E-07
3427	562451.5	4234458.51	1.06E-06	8.72E-07	1.93E-06	1.80E-07	1.40E-07	3.19E-07	8.55E-07	6.40E-07	1.49E-06	1.40E-07	1.24E-07	2.64E-07	1.05E-07	6.34E-08	1.68E-07
3428	562455.73	4234450.32	1.05E-06	8.64E-07	1.91E-06	1.78E-07	1.38E-07	3.16E-07	8.46E-07	6.34E-07	1.48E-06	1.39E-07	1.23E-07	2.61E-07	1.04E-07	6.27E-08	1.66E-07
3429	562459.97	4234442.13	1.04E-06	8.54E-07	1.89E-06	1.76E-07	1.37E-07	3.13E-07	8.37E-07	6.27E-07	1.46E-06	1.37E-07	1.21E-07	2.59E-07	1.02E-07	6.21E-08	1.64E-07
3430	562464.2	4234433.94	1.02E-06	8.44E-07	1.87E-06	1.74E-07	1.35E-07	3.09E-07	8.27E-07	6.19E-07	1.45E-06	1.35E-07	1.20E-07	2.55E-07	1.01E-07	6.13E-08	1.62E-07
3431	562468.44	4234425.76	1.01E-06	8.32E-07	1.84E-06	1.71E-07	1.33E-07	3.05E-07	8.15E-07	6.10E-07	1.43E-06	1.34E-07	1.18E-07	2.52E-07	9.97E-08	6.04E-08	1.60E-07
3432	562472.67	4234417.57	9.95E-07	8.20E-07	1.81E-06	1.69E-07	1.31E-07	3.00E-07	8.03E-07	6.01E-07	1.40E-06	1.32E-07	1.17E-07	2.48E-07	9.83E-08	5.96E-08	1.58E-07
3433	562476.91	4234409.38	9.79E-07	8.07E-07	1.79E-06	1.66E-07	1.29E-07	2.96E-07	7.91E-07	5.92E-07	1.38E-06	1.30E-07	1.15E-07	2.44E-07	9.67E-08	5.86E-08	1.55E-07
3434	562481.14	4234401.19	9.63E-07	7.93E-07	1.76E-06	1.63E-07	1.27E-07	2.91E-07	7.78E-07	5.82E-07	1.36E-06	1.27E-07	1.13E-07	2.40E-07	9.51E-08	5.76E-08	1.53E-07
3435	562485.38	4234393	9.46E-07	7.80E-07	1.73E-06	1.61E-07	1.25E-07	2.86E-07	7.64E-07	5.72E-07	1.34E-06	1.25E-07	1.11E-07	2.36E-07	9.35E-08	5.66E-08	1.50E-07
3436	562489.61	4234384.81	9.30E-07	7.66E-07	1.70E-06	1.58E-07	1.23E-07	2.81E-07	7.51E-07	5.62E-07	1.31E-06	1.23E-07	1.09E-07	2.32E-07	9.18E-08	5.56E-08	1.47E-07
3437	562493.84	4234376.62	9.13E-07	7.52E-07	1.67E-06	1.55E-07	1.21E-07	2.76E-07	7.37E-07	5.52E-07	1.29E-06	1.21E-07	1.07E-07	2.28E-07	9.02E-08	5.47E-08	1.45E-07

3438	562498.08	4234368.43	8.97E-07	7.39E-07	1.64E-06	1.52E-07	1.19E-07	2.71E-07	7.24E-07	5.42E-07	1.27E-06	1.19E-07	1.05E-07	2.24E-07	8.86E-08	5.37E-08	1.42E-07
3439	562502.31	4234360.25	8.82E-07	7.27E-07	1.61E-06	1.50E-07	1.16E-07	2.66E-07	7.12E-07	5.33E-07	1.25E-06	1.17E-07	1.03E-07	2.20E-07	8.71E-08	5.28E-08	1.40E-07
3440	562506.55	4234352.06	8.68E-07	7.15E-07	1.58E-06	1.47E-07	1.15E-07	2.62E-07	7.01E-07	5.25E-07	1.23E-06	1.15E-07	1.02E-07	2.16E-07	8.57E-08	5.19E-08	1.38E-07
3441	562510.78	4234343.87	8.55E-07	7.04E-07	1.56E-06	1.45E-07	1.13E-07	2.58E-07	6.90E-07	5.17E-07	1.21E-06	1.13E-07	1.00E-07	2.13E-07	8.44E-08	5.12E-08	1.36E-07
3442	562515.02	4234335.68	8.44E-07	6.95E-07	1.54E-06	1.43E-07	1.11E-07	2.55E-07	6.81E-07	5.10E-07	1.19E-06	1.12E-07	9.89E-08	2.10E-07	8.33E-08	5.05E-08	1.34E-07
3443	562519.25	4234327.49	8.34E-07	6.87E-07	1.52E-06	1.42E-07	1.10E-07	2.52E-07	6.74E-07	5.04E-07	1.18E-06	1.10E-07	9.78E-08	2.08E-07	8.24E-08	4.99E-08	1.32E-07
3444	562523.49	4234319.3	8.27E-07	6.81E-07	1.51E-06	1.40E-07	1.09E-07	2.50E-07	6.68E-07	5.00E-07	1.17E-06	1.09E-07	9.69E-08	2.06E-07	8.17E-08	4.95E-08	1.31E-07
3445	562527.72	4234311.11	8.22E-07	6.77E-07	1.50E-06	1.39E-07	1.09E-07	2.48E-07	6.63E-07	4.97E-07	1.16E-06	1.09E-07	9.63E-08	2.05E-07	8.11E-08	4.92E-08	1.30E-07
3446	562531.96	4234302.92	8.18E-07	6.74E-07	1.49E-06	1.39E-07	1.08E-07	2.47E-07	6.61E-07	4.95E-07	1.16E-06	1.08E-07	9.59E-08	2.04E-07	8.08E-08	4.90E-08	1.30E-07
3447	562536.19	4234294.73	8.18E-07	6.74E-07	1.49E-06	1.39E-07	1.08E-07	2.47E-07	6.60E-07	4.94E-07	1.15E-06	1.08E-07	9.58E-08	2.04E-07	8.07E-08	4.89E-08	1.30E-07
3448	562540.43	4234286.55	8.19E-07	6.75E-07	1.49E-06	1.39E-07	1.08E-07	2.47E-07	6.61E-07	4.95E-07	1.16E-06	1.08E-07	9.60E-08	2.04E-07	8.09E-08	4.90E-08	1.30E-07
3449	562544.66	4234278.36	8.23E-07	6.78E-07	1.50E-06	1.40E-07	1.09E-07	2.48E-07	6.64E-07	4.97E-07	1.16E-06	1.09E-07	9.64E-08	2.05E-07	8.12E-08	4.92E-08	1.30E-07
3450	562548.9	4234270.17	8.23E-07	6.78E-07	1.50E-06	1.40E-07	1.09E-07	2.48E-07	6.65E-07	4.98E-07	1.16E-06	1.09E-07	9.65E-08	2.05E-07	8.13E-08	4.93E-08	1.31E-07
3451	562553.13	4234261.98	8.24E-07	6.79E-07	1.50E-06	1.40E-07	1.09E-07	2.49E-07	6.65E-07	4.98E-07	1.16E-06	1.09E-07	9.65E-08	2.05E-07	8.13E-08	4.93E-08	1.31E-07
3452	562557.37	4234253.79	8.25E-07	6.80E-07	1.50E-06	1.40E-07	1.09E-07	2.49E-07	6.66E-07	4.99E-07	1.16E-06	1.09E-07	9.67E-08	2.06E-07	8.15E-08	4.94E-08	1.31E-07
3453	562561.6	4234245.6	8.30E-07	6.84E-07	1.51E-06	1.41E-07	1.10E-07	2.51E-07	6.70E-07	5.02E-07	1.17E-06	1.10E-07	9.73E-08	2.07E-07	8.20E-08	4.97E-08	1.32E-07
3454	562565.84	4234237.41	8.44E-07	6.95E-07	1.54E-06	1.43E-07	1.11E-07	2.55E-07	6.81E-07	5.10E-07	1.19E-06	1.12E-07	9.88E-08	2.10E-07	8.33E-08	5.05E-08	1.34E-07
3455	562570.07	4234229.22	8.58E-07	7.07E-07	1.57E-06	1.46E-07	1.13E-07	2.59E-07	6.93E-07	5.19E-07	1.21E-06	1.14E-07	1.01E-07	2.14E-07	8.48E-08	5.14E-08	1.36E-07
3456	562574.31	4234221.04	8.75E-07	7.21E-07	1.60E-06	1.48E-07	1.16E-07	2.64E-07	7.06E-07	5.29E-07	1.23E-06	1.16E-07	1.02E-07	2.18E-07	8.64E-08	5.23E-08	1.39E-07
3457	562578.54	4234212.85	8.92E-07	7.35E-07	1.63E-06	1.51E-07	1.18E-07	2.69E-07	7.20E-07	5.39E-07	1.26E-06	1.18E-07	1.05E-07	2.23E-07	8.81E-08	5.34E-08	1.42E-07
3458	562582.78	4234204.66	9.11E-07	7.50E-07	1.66E-06	1.55E-07	1.20E-07	2.75E-07	7.35E-07	5.50E-07	1.29E-06	1.20E-07	1.07E-07	2.27E-07	9.00E-08	5.45E-08	1.44E-07
3459	562587.01	4234196.47	9.31E-07	7.67E-07	1.70E-06	1.58E-07	1.23E-07	2.81E-07	7.51E-07	5.62E-07	1.31E-06	1.23E-07	1.09E-07	2.32E-07	9.19E-08	5.57E-08	1.48E-07
3460	562591.24	4234188.28	9.51E-07	7.84E-07	1.73E-06	1.61E-07	1.26E-07	2.87E-07	7.68E-07	5.75E-07	1.34E-06	1.26E-07	1.11E-07	2.37E-07	9.39E-08	5.69E-08	1.51E-07
3461	562595.48	4234180.09	9.73E-07	8.01E-07	1.77E-06	1.65E-07	1.28E-07	2.93E-07	7.85E-07	5.88E-07	1.37E-06	1.29E-07	1.14E-07	2.43E-07	9.60E-08	5.82E-08	1.54E-07
3462	562599.71	4234171.9	9.95E-07	8.19E-07	1.81E-06	1.69E-07	1.31E-07	3.00E-07	8.03E-07	6.01E-07	1.40E-06	1.32E-07	1.17E-07	2.48E-07	9.82E-08	5.95E-08	1.58E-07
3463	562603.95	4234163.71	1.02E-06	8.38E-07	1.86E-06	1.73E-07	1.34E-07	3.07E-07	8.21E-07	6.15E-07	1.44E-06	1.35E-07	1.19E-07	2.54E-07	1.00E-07	6.09E-08	1.61E-07
3464	562608.18	4234155.52	1.04E-06	8.57E-07	1.90E-06	1.77E-07	1.37E-07	3.14E-07	8.40E-07	6.29E-07	1.47E-06	1.38E-07	1.22E-07	2.59E-07	1.03E-07	6.23E-08	1.65E-07
3465	562612.42	4234147.34	1.06E-06	8.76E-07	1.94E-06	1.80E-07	1.40E-07	3.21E-07	8.59E-07	6.43E-07	1.50E-06	1.41E-07	1.25E-07	2.65E-07	1.05E-07	6.37E-08	1.69E-07
3466	562616.65	4234139.15	1.09E-06	8.99E-07	1.99E-06	1.85E-07	1.44E-07	3.29E-07	8.81E-07	6.59E-07	1.54E-06	1.44E-07	1.28E-07	2.72E-07	1.08E-07	6.53E-08	1.73E-07
3467	562620.89	4234130.96	1.12E-06	9.23E-07	2.04E-06	1.90E-07	1.48E-07	3.38E-07	9.04E-07	6.77E-07	1.58E-06	1.48E-07	1.31E-07	2.79E-07	1.11E-07	6.70E-08	1.78E-07
3468	562625.12	4234122.77	1.15E-06	9.47E-07	2.10E-06	1.95E-07	1.52E-07	3.47E-07	9.28E-07	6.94E-07	1.62E-06	1.52E-07	1.35E-07	2.87E-07	1.13E-07	6.88E-08	1.82E-07
3469	562629.36	4234114.58	1.18E-06	9.71E-07	2.15E-06	2.00E-07	1.56E-07	3.56E-07	9.52E-07	7.12E-07	1.66E-06	1.56E-07	1.38E-07	2.94E-07	1.16E-07	7.05E-08	1.87E-07
3470	562633.59	4234106.39	1.21E-06	9.95E-07	2.20E-06	2.05E-07	1.60E-07	3.65E-07	9.75E-07	7.30E-07	1.71E-06	1.60E-07	1.42E-07	3.01E-07	1.19E-07	7.23E-08	1.92E-07
3471	562646.61	4234095.39	1.29E-06	1.06E-06	2.35E-06	2.18E-07	1.70E-07	3.88E-07	1.04E-06	7.78E-07	1.82E-06	1.70E-07	1.51E-07	3.21E-07	1.27E-07	7.70E-08	2.04E-07
3472	562655.39	4234092.58	1.33E-06	1.10E-06	2.43E-06	2.26E-07	1.76E-07	4.02E-07	1.07E-06	8.04E-07	1.88E-06	1.76E-07	1.56E-07	3.32E-07	1.31E-07	7.97E-08	2.11E-07
3473	562664.17	4234089.77	1.38E-06	1.13E-06	2.51E-06	2.33E-07	1.82E-07	4.15E-07	1.11E-06	8.32E-07	1.94E-06	1.82E-07	1.61E-07	3.43E-07	1.36E-07	8.24E-08	2.18E-07
3474	562672.95	4234086.96	1.42E-06	1.17E-06	2.59E-06	2.41E-07	1.88E-07	4.29E-07	1.15E-06	8.60E-07	2.01E-06	1.88E-07	1.67E-07	3.55E-07	1.40E-07	8.51E-08	2.26E-07
3475	562681.73	4234084.15	1.47E-06	1.21E-06	2.68E-06	2.49E-07	1.94E-07	4.44E-07	1.19E-06	8.88E-07	2.08E-06	1.94E-07	1.72E-07	3.67E-07	1.45E-07	8.80E-08	2.33E-07
3476	562690.51	4234081.34	1.52E-06	1.25E-06	2.77E-06	2.58E-07	2.01E-07	4.58E-07	1.23E-06	9.18E-07	2.14E-06	2.01E-07	1.78E-07	3.79E-07	1.50E-07	9.09E-08	2.41E-07
3477	562699.29	4234078.53	1.57E-06	1.29E-06	2.86E-06	2.66E-07	2.07E-07	4.73E-07	1.27E-06	9.47E-07	2.21E-06	2.07E-07	1.84E-07	3.91E-07	1.55E-07	9.38E-08	2.49E-07
3478	562708.07	4234075.72	1.62E-06	1.33E-06	2.95E-06	2.74E-07	2.14E-07	4.88E-07	1.31E-06	9.78E-07	2.28E-06	2.14E-07	1.90E-07	4.03E-07	1.60E-07	9.68E-08	2.57E-07
3479	562716.85	4234072.91	1.67E-06	1.37E-06	3.04E-06	2.83E-07	2.20E-07	5.03E-07	1.35E-06	1.01E-06	2.35E-06	2.21E-07	1.95E-07	4.16E-07	1.65E-07	9.98E-08	2.65E-07
3480	562725.63	4234070.1	1.72E-06	1.42E-06	3.13E-06	2.92E-07	2.27E-07	5.19E-07	1.39E-06	1.04E-06	2.43E-06	2.27E-07	2.01E-07	4.29E-07	1.70E-07	1.03E-07	2.73E-07
3481	562734.41	4234067.29	1.77E-06	1.46E-06	3.23E-06	3.00E-07	2.34E-07	5.34E-07	1.43E-06	1.07E-06	2.50E-06	2.34E-07	2.07E-07	4.41E-07	1.75E-07	1.06E-07	2.81E-07
3482	562743.19	4234064.48	1.82E-06	1.50E-06	3.32E-06	3.09E-07	2.40E-07	5.49E-07	1.47E-06	1.10E-06	2.57E-06	2.41E-07	2.13E-07	4.54E-07	1.80E-07	1.09E-07	2.89E-07
3483	562751.97	4234061.67	1.87E-06	1.54E-06	3.41E-06	3.17E-07	2.47E-07	5.64E-07	1.51E-06	1.13E-06	2.64E-06	2.47E-07	2.19E-07	4.66E-07	1.85E-07	1.12E-07	2.97E-07
3484	562760.75	4234058.86	1.92E-06	1.58E-06	3.50E-06	3.26E-07	2.53E-07	5.79E-07	1.55E-06	1.16E-06	2.71E-06	2.54E-07	2.25E-07	4.79E-07	1.89E-07	1.15E-07	3.04E-07
3485	562769.53	4234056.05	1.97E-06	1.62E-06	3.59E-06	3.34E-07	2.60E-07	5.93E-07	1.59E-06	1.19E-06	2.78E-06	2.60E-07	2.30E-07	4.90E-07	1.94E-07	1.18E-07	3.12E-07
3486	562778.31	4234053.24	2.01E-06	1.66E-06	3.67E-06	3.41E-07	2.66E-07	6.07E-07	1.62E-06	1.22E-06	2.84E-06	2.66E-07	2.36E-07	5.02E-07	1.99E-07	1.20E-07	3.19E-07
3487	562787.09	4234050.43	2.06E-06	1.69E-06	3.75E-06	3.49E-07	2.71E-07	6.20E-07	1.66E-06	1.24E-06	2.90E-06	2.72E-07	2.41E-07	5.13E-07	2.03E-07	1.23E-07	3.26E-07
3488	562795.87	4234047.62	2.10E-06	1.73E-06	3.82E-06	3.56E-07	2.77E-07	6.33E-07	1.69E-06	1.27E-06	2.96E-06	2.77E-07	2.46E-07	5.23E-07	2.07E-07	1.25E-07	3.33E-07
3489	562804.65	4234044.81	2.13E-06	1.76E-06	3.89E-06	3.62E-07	2.82E-07	6.44E-07	1.72E-06	1.29E-06	3.01E-06	2.82E-07	2.50E-07	5.32E-07	2.11E-07	1.28E-07	3.38E-07
3490	562813.43	4234042	2.17E-06	1.79E-06	3.95E-06	3.68E-07	2.86E-07	6.54E-07	1.75E-06	1.31E-06	3.06E-06	2.87E-07	2.54E-07	5.41E-07	2.14E-07	1.30E-07	3.44E-07
3491	562822.21	4234039.19	2.20E-06	1.81E-06	4.01E-06	3.73E-07	2.90E-07	6.63E-07	1.77E-06	1.33E-06	3.10E-06	2.91E-07	2.58E-07	5.48E-07	2.17E-07	1.32E-07	3.49E-07
3492	562830.99	4234036.38	2.22E-06	1.83E-06	4.05E-06	3.77E-07	2.94E-07	6.71E-07	1.79E-06	1.34E-06	3.14E-06	2.94E-07	2.60E-07	5.54E-07	2.20E-07	1.33E-07	3.53E-07
3493	562839.77	4234033.57	2.24E-06	1.85E-06	4.09E-06	3.81E-07	2.96E-07	6.77E-07	1.81E-06	1.36E-06	3.17E-06	2.97E-07	2.63E-07	5.59E-07	2.21E-07	1.34E-07	3.56E-07
3494	562848.55	4234030.76	2.26E-06	1.86E-06	4.12E-06	3.83E-07	2.98E-07	6.81E-07	1.82E-06	1.36E-06	3.19E-06	2.99E-07	2.65E-07	5.63E-07	2.23E-07	1.35E-07	3.58E-07
3495	562857.33	4234027.95	2.27E-06	1.87E-06	4.13E-06	3.85E-07	2.99E-07	6.84E-07	1.83E-06	1.37E-06	3.20E-06	3.00E-07	2.66E-07	5.65E-07	2.24E-07	1.36E-07	3.60E-07
3496	562866.11	4234025.14	2.27E-06	1.87E-06	4.14E-06	3.85E-07	3.00E-07	6.85E-07	1.83E-06	1.37E-06	3.21E-06	3.00E-07	2.66E-07	5.66E-07	2.24E-07	1.36E-07	3.60E-07
3497	562874.89	4234022.33	2.27E-06	1.87E-06	4.14E-06	3.85E-07	3.00E-07	6.84E-07	1.83E-06	1.37E-06	3.20E-06	3.00E-07	2.66E-07	5.66E-07	2.24E-07	1.36E-07	3.60E-07
3498	562883.67	4234019.52	2.26E-06	1.86E-06	4.12E-06	3.83E-07	2.98E-07	6.82E-07	1.82E-06	1.37E-06	3.19E-06	2.99E-07	2.65E-07	5.64E-07	2.23E-07	1.35E-07	3.58E-07
3499	562892.45	4234016.71	2.25E-06	1.85E-06	4.09E-06	3.81E-07	2.97E-07	6.78E-07	1.81E-06	1.36E-06	3.17E-06	2.97E-07	2.63E-07	5.60E-07	2.22E-07	1.34E-07	3.56E-07
3500	562901.23	4234013.9	2.23E-06	1.83E-06	4.06E-06	3.78E-07	2.94E-07	6.71E-07	1.80E-06	1.34E-06	3.14E-06	2.94E-07	2.61E-07	5.55E-07	2.20E-07	1.33E-07	3.53E-07
3501	562910.01	4234011.09	2.20E-06	1.81E-06	4.01E-06	3.73E-07	2.90E-07	6.64E-07	1.78E-06	1.33E-06	3.10E-06	2.91E-07	2.58E-07	5.49E-07	2.17E-07	1.32E-07	3.49E-07
3502	562918.79	4234008.28	2.17E-06	1.79E-06	3.95E-06	3.68E-07	2.86E-07	6.54E-07	1.75E-06	1.31E-06	3.06E-06	2.87E-07	2.54E-07	5.41E-07	2.14E-07	1.30E-07	3.44E-07
3503	562927.57	4234005.47	2.13E-06	1.76E-06	3.89E-06	3.62E-07	2.82E-07	6.43E-07	1.72E-06	1.29E-06	3.01E-06	2.82E-07	2.50E-07	5.32E-07	2.11E-07	1.28E-07	3.38E-07
3504	562936.36	4234002.65	2.09E-06	1.72E-06	3.81E-06	3.55E-07	2.76E-07	6.31E-07	1.69E-06	1.26E-06	2.95E-06	2.77E-07	2.45E-07	5.22E-07	2.07E-07	1.25E-07	3.32E-07
3505	562945.14	4233999.84	2.05E-06	1.69E-06	3.73E-06	3.47E-07	2.70E-07	6.18E-07	1.65E-06	1.24E-06	2.89E-06	2.71E-07	2.40E-07	5.11E-07	2.02E-07	1.23E-07	3.25E-07
3506	562953.92	4233997.03	2.00E-06	1.65E-06	3.65E-06	3.39E-07	2.64E-07	6.03E-07	1.61E-06	1.21E-06	2.82E-06	2.64E-07	2.34E-07	4.99E-07	1.97E-07	1.20E-07	3.17E-07
3507	562962.7	4233994.22	1.95E-06	1.60E-06	3.55E-06	3.30E-07	2.57E-07	5.88E-07	1.57E-06	1.18E-06	2.75E-06	2.58E-07	2.28E-07	4.86E-07	1.92E-07	1.17E-07	3.09E-07
3508	562971.48	4233991.41	1.89E-06	1.56E-06	3.45E-06	3.21E-07	2.50E-07	5.71E-07	1.53E-06	1.14E-06	2.67E-06	2.50E-07	2.22E-07	4.72E-07	1.87E-07	1.13E-07	3.00E-07
3509	562997.82	4233982.98	1.72E-06	1.42E-06	3.14E-06	2.92E-07	2.28E-07	5.20E-07	1.39E-06	1.04E-06	2.43E-06	2.28E-07	2.02E-07	4.30E-07	1.70E-07	1.03E-07	2.73E-07
3510	563006.6	4233980.17	1.66E-06	1.37E-06	3.03E-06	2.82E-07	2.20E-07	5.02E-07	1.34E-06	1.00E-06	2.35E-06	2.20E-07	1.95E-07	4.15E-07	1.64E-07	9.95E-08	2.64E-07
3511	563015.38	4233977.36	1.60E-06	1.32E-06	2.91E-06	2.71E-07	2.11E-07	4.82E-07	1.29E-06	9.66E-07	2.26E-06	2.11E-07	1.87E-07	3.99E-07	1.58E-07	9.56E-08	2.53E-07
3512	563024.16	4233974.55	1.53E-06	1.26E-06	2.80E-06	2.60E-07	2.03E-07	4.63E-07	1.24E-06	9.27E-07	2.17E-06	2.03E-07	1.80E-07	3.83E-07	1.52E-07	9.19E-08	2.43E-07
3513	563032.94	4233971.74	1.47E-06	1.21E-06	2.69E-06	2.50E-07	1.95E-07	4.45E-07	1.19E-06	8.91E-07	2.08E-06	1.95E-07	1.73E-07	3.68E-07	1.46E-07	8.82E-08	2.34E-07
3514	563041.72	4233968.93	1.42E-06	1.17E-06	2.59E-06	2.41E-07	1.87E-07	4.28E-07	1.15E-06	8.58E-07	2.00E-06	1.88E-07	1.66E-07	3.54E-07	1.40E-07	8.49E-08	2.25E-07
3515	563050.5	4233966.12	1.36E-06	1.12E-06	2.49E-06	2.32E-07	1.80E-07	4.12E-07	1.10E-06	8.25E-07	1.93E-06	1.81E-07	1.60E-07	3.40E-07	1.35E-07	8.17E-08	2.16E-07
3516	563059.28	4233963.31	1.31E-06	1.08E-06	2.39E-06	2.22E-07	1.73E-07	3.96E-07	1.06E-06	7.92E-07	1.85E-06	1.73E-07	1.54E-07	3.27E-07	1.29E-07	7.85E-08	2.08E-07
3517	563068.06	4233960.5	1.26E-06	1.04E-06	2.30E-06	2.14E-07	1.66E-07	3.80E-07	1.02E-06	7.61E-07	1.78E-06	1.67E-07	1.48E-07	3.14E-07	1.24E-07	7.54E-08	2.00E-07
3518	563076.84	4233957.69	1.21E-06	9.99E-07	2.21E-06	2.06E-07	1.60E-07	3.66E-07	9.79E-07	7.33E-07	1.71E-06	1.60E-07	1.42E-07	3.02E-07	1.20E-07	7.25E-08	1.92E-07
3519	563085.62	4233954.88	1.17E-06	9.61E-07	2.13E-06	1.98E-07	1.54E-07	3.52E-07	9.42E-07	7.05E-07	1.65E-06	1.54E-07	1.37E-07	2.91E-07	1.15E-07	6.98E-08	1.85E-07
3520	563094.4	4233952.07	1.12E-06	9.25E-07	2.05E-06	1.91E-07	1.48E-07	3.39E-07	9.07E-07	6.79E-07	1.59E-06	1.48E-07	1.32E-07	2.80E-07	1.11E-07	6.72E-08	1.78E-07
3521	563103.18	4233949.26	1.08E-06	8.91E-07	1.97E-06	1.84E-07	1.43E-07	3.26E-07	8.73E-07	6.54E-07	1.53E-06	1.43E-07	1.27E-07	2.70E-07	1.07E-07	6.47E-08	1.72E-07
3522	563111.96	4233946.45	1.04E-06	8.59E-07	1.90E-06	1.77E-07	1.38E-07	3.15E-07	8.42E-07	6.30E-07	1.47E-06	1.38E-07	1.22E-07	2.60E-07	1.03E-07	6.24E-08	1.65E-07
3523	563120.74	4233943.64	1.01E-06	8.30E-07	1.84E-06	1.71E-07	1.33E-07	3.04E-07	8.13E-07	6.09E-07	1.42E-06	1.33E-07	1.18E-07	2.51E-07	9.94E-08	6.03E-08	1.60E-07
3524	563129.52	4233940.83	9.73E-07	8.02E-07	1.77E-06	1.65E-07	1.28E-07	2.94E-07	7.86E-07	5.88E-07	1.37E-06	1.29E-07	1.14E-07	2.43E-07	9.61E-08	5.82E-08	1.54E-07
3525	563138.3	4233938.02	9.41E-07	7.76E-07	1.72E-06	1.60E-07	1.24E-07	2.84E-07	7.60E-07	5.69E-07	1.33E-06	1.25E-07	1.10E-07	2.35E-07	9.30E-08	5.63E-08	1.49E-07
3526	562392.21	4234573.15	1.03E-06	8.45E-07	1.87E-06	1.74E-07	1.35E-07	3.10E-07	8.28E-07	6.20E-07	1.45E-06	1.36E-07	1.20E-07	2.56E-07	1.01E-07	6.14E-08	1.63E-07
3527	562391.41	4234582.47	1.02E-06	8.38E-07	1.86E-06	1.73E-07	1.34E-07	3.07E-07	8.21E-07	6.15E-07	1.44E-06	1.35E-07	1.19E-07	2.54E-07	1.00E-07	6.09E-08	1.61E-07
3528	562390.62	4234591.79	1.01E-06	8.29E-07	1.84E-06	1.71E-07	1.33E-07	3.04E-07	8.13E-07	6.08E-07	1.42E-06	1.33E-07	1.18E-07	2.51E-07	9.94E-08	6.02E-08	1.60E-07
3529	562389.82	4234601.11	9.94E-07	8.19E-07	1.81E-06	1.69E-07	1.31E-07	3.00E-07	8.03E-07	6.01E-07	1.40E-06	1.32E-07	1.17E-07	2.48E-07	9.82E-08	5.95E-08	1.58E-07
3530	562389.02	4234610.42	9.81E-07	8.08E-07	1.79E-06	1.66E-07	1.30E-07	2.96E-07	7.92E-07	5.93E-07	1.38E-06	1.30E-07	1.15E-07	2.45E-07	9.69E-08	5.87E-08	1.56E-07

3531	562388.22	4234619.74	9.66E-07	7.95E-07	1.76E-06	1.64E-07	1.28E-07	2.91E-07	7.80E-07	5.84E-07	1.36E-06	1.28E-07	1.13E-07	2.41E-07	9.54E-08	5.78E-08	1.53E-07
3532	562387.43	4234629.06	9.49E-07	7.82E-07	1.73E-06	1.61E-07	1.25E-07	2.86E-07	7.66E-07	5.74E-07	1.34E-06	1.26E-07	1.11E-07	2.37E-07	9.37E-08	5.68E-08	1.51E-07
3533	562386.63	4234638.38	9.31E-07	7.67E-07	1.70E-06	1.58E-07	1.23E-07	2.81E-07	7.52E-07	5.63E-07	1.31E-06	1.23E-07	1.09E-07	2.32E-07	9.20E-08	5.57E-08	1.48E-07
3534	562385.83	4234647.69	9.13E-07	7.52E-07	1.66E-06	1.55E-07	1.21E-07	2.75E-07	7.37E-07	5.52E-07	1.29E-06	1.21E-07	1.07E-07	2.28E-07	9.01E-08	5.46E-08	1.45E-07
3535	562385.03	4234657.01	8.93E-07	7.36E-07	1.63E-06	1.51E-07	1.18E-07	2.69E-07	7.21E-07	5.40E-07	1.26E-06	1.18E-07	1.05E-07	2.23E-07	8.82E-08	5.34E-08	1.42E-07
3536	562384.24	4234666.33	8.72E-07	7.19E-07	1.59E-06	1.48E-07	1.15E-07	2.63E-07	7.04E-07	5.27E-07	1.23E-06	1.15E-07	1.02E-07	2.18E-07	8.61E-08	5.22E-08	1.38E-07
3537	562383.44	4234675.65	8.51E-07	7.01E-07	1.55E-06	1.44E-07	1.12E-07	2.57E-07	6.87E-07	5.14E-07	1.20E-06	1.12E-07	9.97E-08	2.12E-07	8.40E-08	5.09E-08	1.35E-07
3538	562382.64	4234684.96	8.28E-07	6.82E-07	1.51E-06	1.41E-07	1.09E-07	2.50E-07	6.69E-07	5.01E-07	1.17E-06	1.10E-07	9.71E-08	2.07E-07	8.18E-08	4.96E-08	1.31E-07
3539	563069.3	4234753.4	2.00E-05	1.65E-05	3.65E-05	3.39E-06	2.64E-06	6.03E-06	1.61E-05	1.21E-05	2.82E-05	2.64E-06	2.34E-06	4.99E-06	1.97E-06	1.20E-06	3.17E-06
3540	563068.47	4234763.01	1.93E-05	1.59E-05	3.52E-05	3.28E-06	2.55E-06	5.83E-06	1.56E-05	1.17E-05	2.73E-05	2.55E-06	2.26E-06	4.82E-06	1.91E-06	1.16E-06	3.06E-06
3541	563067.64	4234772.61	1.84E-05	1.52E-05	3.36E-05	3.13E-06	2.43E-06	5.56E-06	1.49E-05	1.11E-05	2.60E-05	2.44E-06	2.16E-06	4.60E-06	1.82E-06	1.10E-06	2.92E-06
3542	563066.81	4234782.22	1.75E-05	1.44E-05	3.19E-05	2.97E-06	2.31E-06	5.28E-06	1.41E-05	1.06E-05	2.47E-05	2.31E-06	2.05E-06	4.36E-06	1.73E-06	1.05E-06	2.77E-06
3543	563065.98	4234791.82	1.65E-05	1.36E-05	3.01E-05	2.80E-06	2.18E-06	4.98E-06	1.33E-05	9.97E-06	2.33E-05	2.18E-06	1.93E-06	4.11E-06	1.63E-06	9.87E-07	2.62E-06
3544	563065.15	4234801.42	1.54E-05	1.27E-05	2.82E-05	2.62E-06	2.04E-06	4.66E-06	1.25E-05	9.34E-06	2.18E-05	2.04E-06	1.81E-06	3.85E-06	1.53E-06	9.25E-07	2.45E-06
3545	563064.32	4234811.03	1.44E-05	1.18E-05	2.62E-05	2.44E-06	1.90E-06	4.33E-06	1.16E-05	8.68E-06	2.03E-05	1.90E-06	1.68E-06	3.58E-06	1.42E-06	8.59E-07	2.28E-06
3546	563063.49	4234820.63	1.32E-05	1.09E-05	2.42E-05	2.25E-06	1.75E-06	4.00E-06	1.07E-05	8.00E-06	1.87E-05	1.75E-06	1.55E-06	3.30E-06	1.31E-06	7.93E-07	2.10E-06
3547	563062.66	4234830.24	1.21E-05	9.97E-06	2.21E-05	2.05E-06	1.60E-06	3.65E-06	9.78E-06	7.32E-06	1.71E-05	1.60E-06	1.42E-06	3.02E-06	1.20E-06	7.25E-07	1.92E-06
3548	563061.83	4234839.84	1.09E-05	9.01E-06	1.99E-05	1.86E-06	1.44E-06	3.30E-06	8.83E-06	6.61E-06	1.54E-05	1.45E-06	1.28E-06	2.73E-06	1.08E-06	6.55E-07	1.73E-06
3549	563061	4234849.44	9.79E-06	8.06E-06	1.78E-05	1.66E-06	1.29E-06	2.95E-06	7.90E-06	5.91E-06	1.38E-05	1.29E-06	1.15E-06	2.44E-06	9.66E-07	5.86E-07	1.55E-06
3550	563060.17	4234859.05	8.73E-06	7.19E-06	1.59E-05	1.48E-06	1.15E-06	2.64E-06	7.05E-06	5.28E-06	1.23E-05	1.15E-06	1.02E-06	2.18E-06	8.62E-07	5.23E-07	1.39E-06
3551	563059.33	4234752.54	1.69E-05	1.39E-05	3.08E-05	2.86E-06	2.23E-06	5.09E-06	1.36E-05	1.02E-05	2.38E-05	2.23E-06	1.98E-06	4.21E-06	1.67E-06	1.01E-06	2.68E-06
3552	563058.5	4234762.15	1.63E-05	1.34E-05	2.97E-05	2.76E-06	2.15E-06	4.91E-06	1.31E-05	9.84E-06	2.30E-05	2.15E-06	1.91E-06	4.06E-06	1.61E-06	9.75E-07	2.58E-06
3553	563057.67	4234771.75	1.55E-05	1.28E-05	2.83E-05	2.63E-06	2.05E-06	4.67E-06	1.25E-05	9.36E-06	2.19E-05	2.05E-06	1.82E-06	3.86E-06	1.53E-06	9.27E-07	2.46E-06
3554	563056.84	4234781.35	1.47E-05	1.21E-05	2.67E-05	2.49E-06	1.94E-06	4.42E-06	1.18E-05	8.86E-06	2.07E-05	1.94E-06	1.72E-06	3.66E-06	1.45E-06	8.78E-07	2.33E-06
3555	563056.01	4234790.96	1.38E-05	1.14E-05	2.52E-05	2.34E-06	1.82E-06	4.17E-06	1.11E-05	8.34E-06	1.95E-05	1.83E-06	1.62E-06	3.44E-06	1.36E-06	8.26E-07	2.19E-06
3556	563055.18	4234800.56	1.29E-05	1.07E-05	2.36E-05	2.19E-06	1.71E-06	3.90E-06	1.04E-05	7.81E-06	1.83E-05	1.71E-06	1.52E-06	3.22E-06	1.28E-06	7.74E-07	2.05E-06
3557	563054.35	4234810.17	1.20E-05	9.92E-06	2.20E-05	2.04E-06	1.59E-06	3.63E-06	9.72E-06	7.28E-06	1.70E-05	1.59E-06	1.41E-06	3.00E-06	1.19E-06	7.21E-07	1.91E-06
3558	563053.52	4234819.77	1.11E-05	9.18E-06	2.03E-05	1.89E-06	1.47E-06	3.36E-06	9.00E-06	6.73E-06	1.57E-05	1.47E-06	1.31E-06	2.78E-06	1.10E-06	6.67E-07	1.77E-06
3559	563052.69	4234829.38	1.02E-05	8.42E-06	1.86E-05	1.73E-06	1.35E-06	3.08E-06	8.25E-06	6.17E-06	1.44E-05	1.35E-06	1.20E-06	2.55E-06	1.01E-06	6.11E-07	1.62E-06
3560	563051.86	4234838.98	9.24E-06	7.61E-06	1.69E-05	1.57E-06	1.22E-06	2.79E-06	7.46E-06	5.59E-06	1.30E-05	1.22E-06	1.08E-06	2.31E-06	9.13E-07	5.53E-07	1.47E-06
3561	563051.03	4234848.58	8.25E-06	6.80E-06	1.50E-05	1.40E-06	1.09E-06	2.49E-06	6.66E-06	4.98E-06	1.16E-05	1.09E-06	9.67E-07	2.06E-06	8.15E-07	4.94E-07	1.31E-06
3562	563050.2	4234858.19	7.33E-06	6.04E-06	1.34E-05	1.24E-06	9.68E-07	2.21E-06	5.92E-06	4.43E-06	1.03E-05	9.69E-07	8.59E-07	1.83E-06	7.24E-07	4.39E-07	1.16E-06
3563	563049.37	4234751.68	1.45E-05	1.19E-05	2.64E-05	2.45E-06	1.91E-06	4.36E-06	1.17E-05	8.74E-06	2.04E-05	1.91E-06	1.69E-06	3.61E-06	1.43E-06	8.66E-07	2.29E-06
3564	563048.54	4234761.29	1.39E-05	1.15E-05	2.54E-05	2.37E-06	1.84E-06	4.21E-06	1.13E-05	8.43E-06	1.97E-05	1.84E-06	1.63E-06	3.48E-06	1.38E-06	8.34E-07	2.21E-06
3565	563047.71	4234770.89	1.32E-05	1.09E-05	2.41E-05	2.25E-06	1.75E-06	4.00E-06	1.07E-05	8.00E-06	1.87E-05	1.75E-06	1.55E-06	3.30E-06	1.31E-06	7.92E-07	2.10E-06
3566	563046.88	4234780.49	1.25E-05	1.03E-05	2.28E-05	2.13E-06	1.65E-06	3.78E-06	1.01E-05	7.57E-06	1.77E-05	1.66E-06	1.47E-06	3.12E-06	1.24E-06	7.50E-07	1.99E-06
3567	563046.05	4234790.1	1.18E-05	9.72E-06	2.15E-05	2.00E-06	1.56E-06	3.56E-06	9.53E-06	7.13E-06	1.67E-05	1.56E-06	1.38E-06	2.94E-06	1.17E-06	7.07E-07	1.87E-06
3568	563045.22	4234799.7	1.11E-05	9.13E-06	2.02E-05	1.88E-06	1.46E-06	3.34E-06	8.95E-06	6.70E-06	1.56E-05	1.47E-06	1.30E-06	2.76E-06	1.09E-06	6.63E-07	1.76E-06
3569	563044.39	4234809.31	1.03E-05	8.53E-06	1.89E-05	1.76E-06	1.37E-06	3.12E-06	8.36E-06	6.25E-06	1.46E-05	1.37E-06	1.21E-06	2.58E-06	1.02E-06	6.19E-07	1.64E-06
3570	563043.56	4234818.91	9.60E-06	7.91E-06	1.75E-05	1.63E-06	1.27E-06	2.90E-06	7.75E-06	5.80E-06	1.36E-05	1.27E-06	1.13E-06	2.40E-06	9.48E-07	5.75E-07	1.52E-06
3571	563042.73	4234828.51	8.82E-06	7.26E-06	1.61E-05	1.50E-06	1.16E-06	2.66E-06	7.12E-06	5.33E-06	1.24E-05	1.17E-06	1.03E-06	2.20E-06	8.71E-07	5.28E-07	1.40E-06
3572	563041.9	4234838.12	7.98E-06	6.57E-06	1.46E-05	1.35E-06	1.05E-06	2.41E-06	6.44E-06	4.82E-06	1.13E-05	1.06E-06	9.35E-07	1.99E-06	7.88E-07	4.78E-07	1.27E-06
3573	563041.07	4234847.72	7.11E-06	5.86E-06	1.30E-05	1.21E-06	9.39E-07	2.15E-06	5.74E-06	4.30E-06	1.00E-05	9.40E-07	8.33E-07	1.77E-06	7.02E-07	4.26E-07	1.13E-06
3574	563040.24	4234857.33	6.30E-06	5.19E-06	1.15E-05	1.07E-06	8.32E-07	1.90E-06	5.08E-06	3.81E-06	8.89E-06	8.33E-07	7.38E-07	1.57E-06	6.22E-07	3.77E-07	9.99E-07
3575	563039.41	4234750.82	1.25E-05	1.03E-05	2.29E-05	2.13E-06	1.66E-06	3.79E-06	1.01E-05	7.58E-06	1.77E-05	1.66E-06	1.47E-06	3.13E-06	1.24E-06	7.51E-07	1.99E-06
3576	563038.58	4234760.42	1.21E-05	9.97E-06	2.21E-05	2.05E-06	1.60E-06	3.65E-06	9.77E-06	7.32E-06	1.71E-05	1.60E-06	1.42E-06	3.02E-06	1.20E-06	7.25E-07	1.92E-06
3577	563037.75	4234770.03	1.15E-05	9.47E-06	2.10E-05	1.95E-06	1.52E-06	3.47E-06	9.29E-06	6.95E-06	1.62E-05	1.52E-06	1.35E-06	2.87E-06	1.14E-06	6.88E-07	1.82E-06
3578	563036.92	4234779.63	1.09E-05	8.97E-06	1.99E-05	1.85E-06	1.44E-06	3.29E-06	8.80E-06	6.58E-06	1.54E-05	1.44E-06	1.28E-06	2.72E-06	1.08E-06	6.52E-07	1.73E-06
3579	563036.09	4234789.24	1.03E-05	8.48E-06	1.88E-05	1.75E-06	1.36E-06	3.10E-06	8.31E-06	6.22E-06	1.45E-05	1.36E-06	1.21E-06	2.57E-06	1.02E-06	6.16E-07	1.63E-06
3580	563035.26	4234798.84	9.68E-06	7.98E-06	1.77E-05	1.64E-06	1.28E-06	2.92E-06	7.82E-06	5.85E-06	1.37E-05	1.28E-06	1.13E-06	2.41E-06	9.56E-07	5.80E-07	1.54E-06
3581	563034.43	4234808.45	9.07E-06	7.47E-06	1.65E-05	1.54E-06	1.20E-06	2.74E-06	7.32E-06	5.48E-06	1.28E-05	1.20E-06	1.06E-06	2.26E-06	8.95E-07	5.43E-07	1.44E-06
3582	563033.6	4234818.05	8.42E-06	6.94E-06	1.54E-05	1.43E-06	1.11E-06	2.54E-06	6.80E-06	5.09E-06	1.19E-05	1.11E-06	9.87E-07	2.10E-06	8.32E-07	5.04E-07	1.34E-06
3583	563032.77	4234827.65	7.73E-06	6.37E-06	1.41E-05	1.31E-06	1.02E-06	2.33E-06	6.25E-06	4.67E-06	1.09E-05	1.02E-06	9.06E-07	1.93E-06	7.64E-07	4.63E-07	1.23E-06
3584	563031.94	4234837.26	7.00E-06	5.77E-06	1.28E-05	1.19E-06	9.24E-07	2.11E-06	5.65E-06	4.23E-06	9.88E-06	9.25E-07	8.20E-07	1.75E-06	6.91E-07	4.19E-07	1.11E-06
3585	563031.11	4234846.86	6.24E-06	5.14E-06	1.14E-05	1.06E-06	8.25E-07	1.88E-06	5.04E-06	3.77E-06	8.81E-06	8.26E-07	7.32E-07	1.56E-06	6.17E-07	3.74E-07	9.90E-07
3586	563030.28	4234856.47	5.53E-06	4.55E-06	1.01E-05	9.38E-07	7.30E-07	1.67E-06	4.46E-06	3.34E-06	7.80E-06	7.31E-07	6.47E-07	1.38E-06	5.46E-07	3.31E-07	8.76E-07
3587	563029.45	4234749.96	1.09E-05	9.02E-06	2.00E-05	1.86E-06	1.45E-06	3.30E-06	8.83E-06	6.61E-06	1.54E-05	1.45E-06	1.28E-06	2.73E-06	1.08E-06	6.55E-07	1.74E-06
3588	563028.62	4234759.56	1.05E-05	8.69E-06	1.92E-05	1.79E-06	1.39E-06	3.18E-06	8.52E-06	6.38E-06	1.49E-05	1.40E-06	1.24E-06	2.63E-06	1.04E-06	6.31E-07	1.67E-06
3589	563027.79	4234769.17	1.01E-05	8.29E-06	1.84E-05	1.71E-06	1.33E-06	3.04E-06	8.12E-06	6.08E-06	1.42E-05	1.33E-06	1.18E-06	2.51E-06	9.94E-07	6.02E-07	1.60E-06
3590	563026.96	4234778.77	9.58E-06	7.90E-06	1.75E-05	1.63E-06	1.27E-06	2.89E-06	7.74E-06	5.79E-06	1.35E-05	1.27E-06	1.12E-06	2.39E-06	9.47E-07	5.74E-07	1.52E-06
3591	563026.13	4234788.38	9.11E-06	7.51E-06	1.66E-05	1.55E-06	1.20E-06	2.75E-06	7.36E-06	5.51E-06	1.29E-05	1.20E-06	1.07E-06	2.27E-06	9.00E-07	5.45E-07	1.44E-06
3592	563025.3	4234797.98	8.59E-06	7.08E-06	1.57E-05	1.46E-06	1.13E-06	2.59E-06	6.94E-06	5.19E-06	1.21E-05	1.14E-06	1.01E-06	2.14E-06	8.49E-07	5.14E-07	1.36E-06
3593	563024.47	4234807.58	8.06E-06	6.64E-06	1.47E-05	1.37E-06	1.06E-06	2.43E-06	6.50E-06	4.87E-06	1.14E-05	1.07E-06	9.44E-07	2.01E-06	7.96E-07	4.82E-07	1.28E-06
3594	563023.64	4234817.19	7.48E-06	6.17E-06	1.37E-05	1.27E-06	9.89E-07	2.26E-06	6.04E-06	4.52E-06	1.06E-05	9.90E-07	8.77E-07	1.87E-06	7.39E-07	4.48E-07	1.19E-06
3595	563022.81	4234826.79	6.87E-06	5.66E-06	1.25E-05	1.17E-06	9.07E-07	2.07E-06	5.55E-06	4.15E-06	9.70E-06	9.08E-07	8.05E-07	1.71E-06	6.78E-07	4.11E-07	1.09E-06
3596	563021.98	4234836.4	6.22E-06	5.12E-06	1.13E-05	1.05E-06	8.21E-07	1.88E-06	5.02E-06	3.76E-06	8.78E-06	8.22E-07	7.28E-07	1.55E-06	6.14E-07	3.72E-07	9.86E-07
3597	563021.15	4234846	5.56E-06	4.58E-06	1.01E-05	9.43E-07	7.34E-07	1.68E-06	4.49E-06	3.36E-06	7.85E-06	7.35E-07	6.51E-07	1.39E-06	5.49E-07	3.33E-07	8.81E-07
3598	563020.32	4234855.61	4.93E-06	4.07E-06	9.00E-06	8.37E-07	6.52E-07	1.49E-06	3.98E-06	2.98E-06	6.97E-06	6.53E-07	5.78E-07	1.23E-06	4.87E-07	2.95E-07	7.83E-07
3599	563019.48	4234749.1	9.58E-06	7.89E-06	1.75E-05	1.63E-06	1.27E-06	2.89E-06	7.74E-06	5.79E-06	1.35E-05	1.27E-06	1.12E-06	2.39E-06	9.46E-07	5.73E-07	1.52E-06
3600	563018.65	4234758.7	9.23E-06	7.60E-06	1.68E-05	1.57E-06	1.22E-06	2.78E-06	7.45E-06	5.58E-06	1.30E-05	1.22E-06	1.08E-06	2.30E-06	9.11E-07	5.52E-07	1.46E-06
3601	563017.82	4234768.31	8.87E-06	7.31E-06	1.62E-05	1.51E-06	1.17E-06	2.68E-06	7.16E-06	5.36E-06	1.25E-05	1.17E-06	1.04E-06	2.21E-06	8.76E-07	5.31E-07	1.41E-06
3602	563016.99	4234777.91	8.53E-06	7.03E-06	1.56E-05	1.45E-06	1.13E-06	2.57E-06	6.89E-06	5.16E-06	1.20E-05	1.13E-06	1.00E-06	2.13E-06	8.42E-07	5.11E-07	1.35E-06
3603	563016.16	4234787.51	8.17E-06	6.73E-06	1.49E-05	1.39E-06	1.08E-06	2.47E-06	6.60E-06	4.94E-06	1.15E-05	1.08E-06	9.57E-07	2.04E-06	8.07E-07	4.89E-07	1.30E-06
3604	563015.33	4234797.12	7.72E-06	6.36E-06	1.41E-05	1.31E-06	1.02E-06	2.33E-06	6.23E-06	4.66E-06	1.09E-05	1.02E-06	9.04E-07	1.92E-06	7.62E-07	4.62E-07	1.22E-06
3605	563014.5	4234806.72	7.24E-06	5.96E-06	1.32E-05	1.23E-06	9.56E-07	2.18E-06	5.84E-06	4.37E-06	1.02E-05	9.57E-07	8.48E-07	1.80E-06	7.15E-07	4.33E-07	1.15E-06
3606	563013.67	4234816.33	6.72E-06	5.54E-06	1.23E-05	1.14E-06	8.87E-07	2.03E-06	5.43E-06	4.06E-06	9.49E-06	8.89E-07	7.87E-07	1.68E-06	6.64E-07	4.02E-07	1.07E-06
3607	563012.84	4234825.93	6.16E-06	5.08E-06	1.12E-05	1.05E-06	8.14E-07	1.86E-06	4.98E-06	3.72E-06	8.70E-06	8.15E-07	7.22E-07	1.54E-06	6.09E-07	3.69E-07	9.77E-07
3608	563012.01	4234835.54	5.58E-06	4.60E-06	1.02E-05	9.47E-07	7.37E-07	1.68E-06	4.50E-06	3.37E-06	7.88E-06	7.38E-07	6.54E-07	1.39E-06	5.51E-07	3.34E-07	8.85E-07
3609	563011.18	4234845.14	5.00E-06	4.12E-06	9.11E-06	8.48E-07	6.60E-07	1.51E-06	4.04E-06	3.02E-06	7.06E-06	6.61E-07	5.86E-07	1.25E-06	4.94E-07	2.99E-07	7.93E-07
3610	563010.35	4234854.74	4.45E-06	3.67E-06	8.12E-06	7.55E-07	5.88E-07	1.34E-06	3.59E-06	2.69E-06	6.28E-06	5.89E-07	5.22E-07	1.11E-06	4.40E-07	2.66E-07	7.06E-07
3611	563009.52	4234748.24	8.50E-06	7.01E-06	1.55E-05	1.44E-06	1.12E-06	2.57E-06	6.87E-06	5.14E-06	1.20E-05	1.12E-06	9.97E-07	2.12E-06	8.40E-07	5.09E-07	1.35E-06
3612	563008.69	4234757.84	8.17E-06	6.73E-06	1.49E-05	1.39E-06	1.08E-06	2.46E-06	6.60E-06	4.94E-06	1.15E-05	1.08E-06	9.57E-07	2.04E-06	8.07E-07	4.89E-07	1.30E-06
3613	563007.86	4234767.45	7.92E-06	6.52E-06	1.44E-05	1.34E-06	1.05E-06	2.39E-06	6.39E-06	4.78E-06	1.12E-05	1.05E-06	9.28E-07	1.97E-06	7.82E-07	4.74E-07	1.26E-06
3614	563007.03	4234777.05	7.67E-06	6.32E-06	1.40E-05	1.30E-06	1.01E-06	2.31E-06	6.19E-06	4.63E-06	1.08E-05	1.01E-06	8.98E-07	1.91E-06	7.57E-07	4.59E-07	1.22E-06
3615	563006.2	4234786.65	7.40E-06	6.10E-06	1.35E-05	1.26E-06	9.78E-07	2.23E-06	5.98E-06	4.47E-06	1.05E-05	9.79E-07	8.67E-07	1.85E-06	7.31E-07	4.43E-07	1.17E-06
3616	563005.37	4234796.26	6.99E-06	5.76E-06	1.28E-05	1.19E-06	9.24E-07	2.11E-06	5.65E-06	4.23E-06	9.87E-06	9.25E-07	8.20E-07	1.74E-06	6.91E-07	4.19E-07	1.11E-06
3617	563004.54	4234805.86	6.56E-06	5.40E-06	1.20E-05	1.11E-06	8.66E-07	1.98E-06	5.29E-06	3.96E-06	9.26E-06	8.67E-07	7.68E-07	1.64E-06	6.48E-07	3.92E-07	1.04E-06
3618	563003.71	4234815.47	6.08E-06	5.01E-06	1.11E-05	1.03E-06	8.03E-07	1.84E-06	4.91E-06	3.68E-06	8.59E-06	8.04E-07	7.13E-07	1.52E-06	6.01E-07	3.64E-07	9.65E-07
3619	563002.88	4234825.07	5.58E-06	4.59E-06	1.02E-05	9.46E-07	7.36E-07	1.68E-06	4.50E-06	3.37E-06	7.87E-06	7.37E-07	6.53E-07	1.39E-06	5.51E-07	3.34E-07	8.84E-07
3620	563002.05	4234834.67	5.05E-06	4.16E-06	9.21E-06	8.57E-07	6.67E-07	1.52E-06	4.08E-06	3.05E-06	7.13E-06	6.68E-07	5.92E-07	1.26E-06	4.99E-07	3.02E-07	8.01E-07
3621	563001.22	4234844.28	4.53E-06	3.74E-06	8.27E-06	7.69E-07	5.99E-07	1.37E-06	3.66E-06	2.74E-06	6.40E-06	6.00E-07	5.31E-07	1.13E-06	4.48E-07	2.71E-07	7.19E-07
3622	563000.39	4234853.88	4.05E-06	3.34E-06	7.39E-06	6.87E-07	5.35E-07	1.22E-06	3.27E-06	2.45E-06	5.72E-06	5.36E-07	4.75E-07	1.01E-06	4.00E-07	2.42E-07	6.42E-07
3623	562999.56	4234747.38	7.68E-06	6.33E-06	1.40E-05	1.30E-06	1.01E-06	2.32E-06	6.20E-06	4.64E-06	1.08E-05	1.02E-06	9.00E-07	1.92E-06	7.58E-07	4.60E-07	1.22E-06

3624	562998.73	4234756.98	7.37E-06	6.07E-06	1.34E-05	1.25E-06	9.73E-07	2.22E-06	5.95E-06	4.45E-06	1.04E-05	9.75E-07	8.64E-07	1.84E-06	7.28E-07	4.41E-07	1.17E-06
3625	562997.9	4234766.58	7.15E-06	5.89E-06	1.30E-05	1.21E-06	9.45E-07	2.16E-06	5.78E-06	4.32E-06	1.01E-05	9.46E-07	8.38E-07	1.78E-06	7.06E-07	4.28E-07	1.13E-06
3626	562997.07	4234776.19	6.92E-06	5.70E-06	1.26E-05	1.17E-06	9.14E-07	2.09E-06	5.59E-06	4.18E-06	9.77E-06	9.15E-07	8.11E-07	1.73E-06	6.83E-07	4.14E-07	1.10E-06
3627	562996.24	4234785.79	6.66E-06	5.49E-06	1.21E-05	1.13E-06	8.80E-07	2.01E-06	5.38E-06	4.03E-06	9.40E-06	8.81E-07	7.80E-07	1.66E-06	6.58E-07	3.99E-07	1.06E-06
3628	562995.41	4234795.4	6.32E-06	5.20E-06	1.15E-05	1.07E-06	8.34E-07	1.91E-06	5.10E-06	3.82E-06	8.92E-06	8.35E-07	7.40E-07	1.58E-06	6.24E-07	3.78E-07	1.00E-06
3629	562994.58	4234805	5.94E-06	4.90E-06	1.08E-05	1.01E-06	7.85E-07	1.79E-06	4.80E-06	3.59E-06	8.39E-06	7.86E-07	6.97E-07	1.48E-06	5.87E-07	3.56E-07	9.43E-07
3630	562993.75	4234814.61	5.54E-06	4.56E-06	1.01E-05	9.40E-07	7.32E-07	1.67E-06	4.47E-06	3.35E-06	7.82E-06	7.32E-07	6.49E-07	1.38E-06	5.47E-07	3.32E-07	8.79E-07
3631	562992.92	4234824.21	5.08E-06	4.19E-06	9.27E-06	8.62E-07	6.71E-07	1.53E-06	4.10E-06	3.07E-06	7.17E-06	6.72E-07	5.96E-07	1.27E-06	5.02E-07	3.04E-07	8.06E-07
3632	562992.09	4234833.81	4.61E-06	3.80E-06	8.40E-06	7.82E-07	6.09E-07	1.39E-06	3.72E-06	2.78E-06	6.51E-06	6.09E-07	5.40E-07	1.15E-06	4.55E-07	2.76E-07	7.31E-07
3633	562991.26	4234843.42	4.14E-06	3.41E-06	7.56E-06	7.03E-07	5.47E-07	1.25E-06	3.35E-06	2.50E-06	5.85E-06	5.48E-07	4.86E-07	1.03E-06	4.09E-07	2.48E-07	6.57E-07
3634	562990.43	4234853.02	3.71E-06	3.06E-06	6.77E-06	6.30E-07	4.90E-07	1.12E-06	3.00E-06	2.24E-06	5.24E-06	4.91E-07	4.35E-07	9.26E-07	3.67E-07	2.22E-07	5.89E-07
3635	562989.59	4234746.52	7.05E-06	5.80E-06	1.28E-05	1.20E-06	9.30E-07	2.13E-06	5.69E-06	4.26E-06	9.95E-06	9.32E-07	8.26E-07	1.76E-06	6.96E-07	4.22E-07	1.12E-06
3636	562988.76	4234756.12	6.77E-06	5.57E-06	1.23E-05	1.15E-06	8.94E-07	2.04E-06	5.46E-06	4.09E-06	9.55E-06	8.95E-07	7.93E-07	1.69E-06	6.68E-07	4.05E-07	1.07E-06
3637	562987.93	4234765.72	6.53E-06	5.38E-06	1.19E-05	1.11E-06	8.63E-07	1.97E-06	5.28E-06	3.95E-06	9.23E-06	8.64E-07	7.66E-07	1.63E-06	6.45E-07	3.91E-07	1.04E-06
3638	562987.1	4234775.33	6.29E-06	5.18E-06	1.15E-05	1.07E-06	8.31E-07	1.90E-06	5.08E-06	3.80E-06	8.88E-06	8.32E-07	7.37E-07	1.57E-06	6.21E-07	3.76E-07	9.97E-07
3639	562986.27	4234784.93	6.01E-06	4.95E-06	1.10E-05	1.02E-06	7.94E-07	1.81E-06	4.85E-06	3.63E-06	8.49E-06	7.95E-07	7.05E-07	1.50E-06	5.94E-07	3.60E-07	9.54E-07
3640	562985.44	4234794.54	5.73E-06	4.72E-06	1.04E-05	9.72E-07	7.56E-07	1.73E-06	4.62E-06	3.46E-06	8.08E-06	7.57E-07	6.71E-07	1.43E-06	5.66E-07	3.43E-07	9.08E-07
3641	562984.61	4234804.14	5.41E-06	4.46E-06	9.87E-06	9.18E-07	7.15E-07	1.63E-06	4.37E-06	3.27E-06	7.64E-06	7.16E-07	6.34E-07	1.35E-06	5.35E-07	3.24E-07	8.58E-07
3642	562983.78	4234813.74	5.07E-06	4.18E-06	9.25E-06	8.61E-07	6.70E-07	1.53E-06	4.10E-06	3.07E-06	7.16E-06	6.71E-07	5.94E-07	1.27E-06	5.01E-07	3.04E-07	8.04E-07
3643	562982.95	4234823.35	4.66E-06	3.84E-06	8.50E-06	7.91E-07	6.16E-07	1.41E-06	3.76E-06	2.82E-06	6.58E-06	6.16E-07	5.46E-07	1.16E-06	4.60E-07	2.79E-07	7.39E-07
3644	562982.12	4234832.95	4.23E-06	3.49E-06	7.72E-06	7.18E-07	5.59E-07	1.28E-06	3.42E-06	2.56E-06	5.97E-06	5.59E-07	4.96E-07	1.06E-06	4.18E-07	2.53E-07	6.71E-07
3645	562981.29	4234842.56	3.81E-06	3.14E-06	6.95E-06	6.47E-07	5.04E-07	1.15E-06	3.08E-06	2.30E-06	5.38E-06	5.04E-07	4.47E-07	9.51E-07	3.77E-07	2.28E-07	6.05E-07
3646	562980.46	4234852.16	3.42E-06	2.82E-06	6.24E-06	5.81E-07	4.52E-07	1.03E-06	2.76E-06	2.07E-06	4.83E-06	4.53E-07	4.01E-07	8.54E-07	3.38E-07	2.05E-07	5.43E-07
3647	562979.63	4234745.65	6.51E-06	5.36E-06	1.19E-05	1.10E-06	8.60E-07	1.96E-06	5.26E-06	3.93E-06	9.19E-06	8.61E-07	7.63E-07	1.62E-06	6.43E-07	3.90E-07	1.03E-06
3648	562978.8	4234755.26	6.26E-06	5.16E-06	1.14E-05	1.06E-06	8.27E-07	1.89E-06	5.05E-06	3.78E-06	8.84E-06	8.28E-07	7.34E-07	1.56E-06	6.18E-07	3.75E-07	9.93E-07
3649	562977.97	4234764.86	6.02E-06	4.96E-06	1.10E-05	1.02E-06	7.95E-07	1.82E-06	4.86E-06	3.64E-06	8.49E-06	7.96E-07	7.05E-07	1.50E-06	5.94E-07	3.60E-07	9.54E-07
3650	562977.14	4234774.47	5.76E-06	4.74E-06	1.05E-05	9.77E-07	7.60E-07	1.74E-06	4.65E-06	3.48E-06	8.13E-06	7.61E-07	6.75E-07	1.44E-06	5.69E-07	3.45E-07	9.13E-07
3651	562976.31	4234784.07	5.47E-06	4.51E-06	9.98E-06	9.29E-07	7.23E-07	1.65E-06	4.42E-06	3.31E-06	7.73E-06	7.24E-07	6.41E-07	1.37E-06	5.41E-07	3.28E-07	8.68E-07
3652	562975.48	4234793.68	5.22E-06	4.30E-06	9.52E-06	8.86E-07	6.89E-07	1.57E-06	4.21E-06	3.15E-06	7.37E-06	6.90E-07	6.12E-07	1.30E-06	5.15E-07	3.12E-07	8.28E-07
3653	562974.65	4234803.28	4.95E-06	4.08E-06	9.04E-06	8.41E-07	6.54E-07	1.49E-06	4.00E-06	2.99E-06	6.99E-06	6.55E-07	5.81E-07	1.24E-06	4.89E-07	2.97E-07	7.86E-07
3654	562973.82	4234812.88	4.66E-06	3.84E-06	8.50E-06	7.91E-07	6.16E-07	1.41E-06	3.76E-06	2.82E-06	6.58E-06	6.17E-07	5.46E-07	1.16E-06	4.60E-07	2.79E-07	7.40E-07
3655	562972.99	4234822.49	4.29E-06	3.54E-06	7.83E-06	7.29E-07	5.67E-07	1.30E-06	3.47E-06	2.60E-06	6.06E-06	5.68E-07	5.03E-07	1.07E-06	4.24E-07	2.57E-07	6.81E-07
3656	562972.16	4234832.09	3.90E-06	3.21E-06	7.11E-06	6.61E-07	5.15E-07	1.18E-06	3.15E-06	2.35E-06	5.50E-06	5.15E-07	4.57E-07	9.72E-07	3.85E-07	2.33E-07	6.18E-07
3657	562971.33	4234841.7	3.51E-06	2.89E-06	6.41E-06	5.96E-07	4.64E-07	1.06E-06	2.84E-06	2.12E-06	4.96E-06	4.65E-07	4.12E-07	8.76E-07	3.47E-07	2.10E-07	5.57E-07
3658	562970.5	4234851.3	3.16E-06	2.60E-06	5.76E-06	5.36E-07	4.17E-07	9.53E-07	2.55E-06	1.91E-06	4.46E-06	4.17E-07	3.70E-07	7.87E-07	3.12E-07	1.89E-07	5.01E-07
3659	562959.71	4234743.93	5.53E-06	4.55E-06	1.01E-05	9.38E-07	7.30E-07	1.67E-06	4.46E-06	3.34E-06	7.80E-06	7.31E-07	6.48E-07	1.38E-06	5.46E-07	3.31E-07	8.77E-07
3660	562958.88	4234753.54	5.32E-06	4.38E-06	9.70E-06	9.03E-07	7.03E-07	1.61E-06	4.29E-06	3.21E-06	7.51E-06	7.03E-07	6.23E-07	1.33E-06	5.25E-07	3.18E-07	8.44E-07
3661	562958.05	4234763.14	5.10E-06	4.20E-06	9.30E-06	8.65E-07	6.73E-07	1.54E-06	4.12E-06	3.08E-06	7.20E-06	6.74E-07	5.97E-07	1.27E-06	5.03E-07	3.05E-07	8.09E-07
3662	562957.22	4234772.74	4.86E-06	4.01E-06	8.87E-06	8.25E-07	6.42E-07	1.47E-06	3.93E-06	2.94E-06	6.86E-06	6.43E-07	5.70E-07	1.21E-06	4.80E-07	2.91E-07	7.71E-07
3663	562956.39	4234782.35	4.61E-06	3.80E-06	8.40E-06	7.82E-07	6.09E-07	1.39E-06	3.72E-06	2.78E-06	6.50E-06	6.09E-07	5.40E-07	1.15E-06	4.55E-07	2.76E-07	7.31E-07
3664	562955.56	4234791.95	4.37E-06	3.60E-06	7.97E-06	7.42E-07	5.78E-07	1.32E-06	3.53E-06	2.64E-06	6.17E-06	5.78E-07	5.12E-07	1.09E-06	4.32E-07	2.62E-07	6.94E-07
3665	562954.73	4234801.56	4.14E-06	3.41E-06	7.55E-06	7.02E-07	5.46E-07	1.25E-06	3.34E-06	2.50E-06	5.84E-06	5.47E-07	4.85E-07	1.03E-06	4.09E-07	2.48E-07	6.56E-07
3666	562953.9	4234811.16	3.88E-06	3.20E-06	7.08E-06	6.59E-07	5.13E-07	1.17E-06	3.14E-06	2.35E-06	5.48E-06	5.13E-07	4.55E-07	9.68E-07	3.83E-07	2.32E-07	6.16E-07
3667	562953.07	4234820.77	3.59E-06	2.96E-06	6.54E-06	6.09E-07	4.74E-07	1.08E-06	2.90E-06	2.17E-06	5.07E-06	4.75E-07	4.20E-07	8.95E-07	3.54E-07	2.15E-07	5.69E-07
3668	562952.24	4234830.37	3.27E-06	2.69E-06	5.96E-06	5.55E-07	4.32E-07	9.86E-07	2.64E-06	1.98E-06	4.61E-06	4.32E-07	3.83E-07	8.15E-07	3.23E-07	1.96E-07	5.18E-07
3669	562951.41	4234839.97	2.96E-06	2.44E-06	5.40E-06	5.02E-07	3.91E-07	8.94E-07	2.39E-06	1.79E-06	4.18E-06	3.92E-07	3.47E-07	7.39E-07	2.92E-07	1.77E-07	4.70E-07
3670	562950.58	4234849.58	2.66E-06	2.20E-06	4.86E-06	4.52E-07	3.52E-07	8.04E-07	2.15E-06	1.61E-06	3.76E-06	3.52E-07	3.12E-07	6.65E-07	2.63E-07	1.59E-07	4.23E-07
3671	562939.78	4234742.21	4.77E-06	3.93E-06	8.71E-06	8.10E-07	6.30E-07	1.44E-06	3.85E-06	2.88E-06	6.74E-06	6.31E-07	5.59E-07	1.19E-06	4.71E-07	2.86E-07	7.57E-07
3672	562938.95	4234751.81	4.60E-06	3.79E-06	8.39E-06	7.81E-07	6.08E-07	1.39E-06	3.71E-06	2.78E-06	6.49E-06	6.08E-07	5.39E-07	1.15E-06	4.54E-07	2.75E-07	7.30E-07
3673	562938.12	4234761.42	4.41E-06	3.64E-06	8.05E-06	7.49E-07	5.83E-07	1.33E-06	3.56E-06	2.67E-06	6.23E-06	5.84E-07	5.17E-07	1.10E-06	4.36E-07	2.64E-07	7.00E-07
3674	562937.29	4234771.02	4.21E-06	3.47E-06	7.68E-06	7.14E-07	5.56E-07	1.27E-06	3.40E-06	2.54E-06	5.94E-06	5.57E-07	4.93E-07	1.05E-06	4.16E-07	2.52E-07	6.68E-07
3675	562936.46	4234780.63	3.99E-06	3.29E-06	7.27E-06	6.77E-07	5.27E-07	1.20E-06	3.22E-06	2.41E-06	5.63E-06	5.27E-07	4.67E-07	9.95E-07	3.94E-07	2.39E-07	6.33E-07
3676	562935.63	4234790.23	3.77E-06	3.10E-06	6.87E-06	6.39E-07	4.97E-07	1.14E-06	3.04E-06	2.28E-06	5.32E-06	4.98E-07	4.41E-07	9.39E-07	3.72E-07	2.25E-07	5.97E-07
3677	562934.8	4234799.84	3.55E-06	2.92E-06	6.47E-06	6.02E-07	4.68E-07	1.07E-06	2.86E-06	2.14E-06	5.01E-06	4.69E-07	4.16E-07	8.84E-07	3.50E-07	2.12E-07	5.62E-07
3678	562933.97	4234809.44	3.31E-06	2.73E-06	6.04E-06	5.62E-07	4.37E-07	9.99E-07	2.67E-06	2.00E-06	4.68E-06	4.38E-07	3.88E-07	8.26E-07	3.27E-07	1.98E-07	5.25E-07
3679	562933.14	4234819.04	3.06E-06	2.52E-06	5.59E-06	5.20E-07	4.05E-07	9.24E-07	2.47E-06	1.85E-06	4.33E-06	4.05E-07	3.59E-07	7.64E-07	3.03E-07	1.83E-07	4.86E-07
3680	562932.31	4234828.65	2.80E-06	2.31E-06	5.10E-06	4.75E-07	3.70E-07	8.44E-07	2.26E-06	1.69E-06	3.95E-06	3.70E-07	3.28E-07	6.98E-07	2.76E-07	1.67E-07	4.44E-07
3681	562931.48	4234838.25	2.55E-06	2.10E-06	4.64E-06	4.32E-07	3.36E-07	7.68E-07	2.06E-06	1.54E-06	3.59E-06	3.37E-07	2.98E-07	6.35E-07	2.51E-07	1.52E-07	4.04E-07
3682	562930.65	4234847.86	2.31E-06	1.90E-06	4.21E-06	3.92E-07	3.05E-07	6.96E-07	1.86E-06	1.39E-06	3.26E-06	3.05E-07	2.70E-07	5.76E-07	2.28E-07	1.38E-07	3.66E-07
3683	562919.85	4234740.49	4.27E-06	3.52E-06	7.79E-06	7.25E-07	5.64E-07	1.29E-06	3.45E-06	2.58E-06	6.03E-06	5.65E-07	5.00E-07	1.07E-06	4.22E-07	2.56E-07	6.77E-07
3684	562919.02	4234750.09	4.11E-06	3.39E-06	7.50E-06	6.98E-07	5.43E-07	1.24E-06	3.32E-06	2.49E-06	5.81E-06	5.44E-07	4.82E-07	1.03E-06	4.06E-07	2.46E-07	6.52E-07
3685	562918.19	4234759.7	3.94E-06	3.25E-06	7.19E-06	6.69E-07	5.21E-07	1.19E-06	3.18E-06	2.38E-06	5.56E-06	5.21E-07	4.62E-07	9.83E-07	3.89E-07	2.36E-07	6.25E-07
3686	562917.36	4234769.3	3.75E-06	3.09E-06	6.85E-06	6.37E-07	4.96E-07	1.13E-06	3.03E-06	2.27E-06	5.30E-06	4.96E-07	4.40E-07	9.36E-07	3.71E-07	2.25E-07	5.95E-07
3687	562916.53	4234778.9	3.55E-06	2.93E-06	6.48E-06	6.03E-07	4.69E-07	1.07E-06	2.87E-06	2.15E-06	5.01E-06	4.70E-07	4.16E-07	8.86E-07	3.51E-07	2.13E-07	5.63E-07
3688	562915.7	4234788.51	3.34E-06	2.75E-06	6.09E-06	5.66E-07	4.41E-07	1.01E-06	2.70E-06	2.02E-06	4.71E-06	4.41E-07	3.91E-07	8.33E-07	3.30E-07	2.00E-07	5.29E-07
3689	562914.87	4234798.11	3.12E-06	2.57E-06	5.68E-06	5.29E-07	4.12E-07	9.40E-07	2.52E-06	1.88E-06	4.40E-06	4.12E-07	3.65E-07	7.77E-07	3.08E-07	1.87E-07	4.94E-07
3690	562914.04	4234807.72	2.89E-06	2.38E-06	5.27E-06	4.90E-07	3.81E-07	8.71E-07	2.33E-06	1.75E-06	4.08E-06	3.82E-07	3.38E-07	7.20E-07	2.85E-07	1.73E-07	4.58E-07
3691	562913.21	4234817.32	2.66E-06	2.19E-06	4.85E-06	4.51E-07	3.51E-07	8.02E-07	2.15E-06	1.61E-06	3.75E-06	3.51E-07	3.11E-07	6.63E-07	2.62E-07	1.59E-07	4.22E-07
3692	562912.38	4234826.93	2.43E-06	2.01E-06	4.44E-06	4.13E-07	3.22E-07	7.35E-07	1.97E-06	1.47E-06	3.44E-06	3.22E-07	2.85E-07	6.07E-07	2.40E-07	1.46E-07	3.86E-07
3693	562911.55	4234836.53	2.23E-06	1.83E-06	4.06E-06	3.78E-07	2.94E-07	6.72E-07	1.80E-06	1.35E-06	3.14E-06	2.94E-07	2.61E-07	5.55E-07	2.20E-07	1.33E-07	3.53E-07
3694	562910.72	4234846.13	2.03E-06	1.68E-06	3.71E-06	3.45E-07	2.69E-07	6.14E-07	1.64E-06	1.23E-06	2.87E-06	2.69E-07	2.38E-07	5.08E-07	2.01E-07	1.22E-07	3.23E-07
3695	562899.93	4234738.77	3.85E-06	3.17E-06	7.03E-06	6.54E-07	5.09E-07	1.16E-06	3.11E-06	2.33E-06	5.44E-06	5.10E-07	4.52E-07	9.61E-07	3.81E-07	2.31E-07	6.11E-07
3696	562899.1	4234748.37	3.71E-06	3.05E-06	6.76E-06	6.29E-07	4.90E-07	1.12E-06	2.99E-06	2.24E-06	5.24E-06	4.90E-07	4.35E-07	9.25E-07	3.66E-07	2.22E-07	5.88E-07
3697	562898.27	4234757.97	3.54E-06	2.91E-06	6.45E-06	6.00E-07	4.67E-07	1.07E-06	2.86E-06	2.14E-06	4.99E-06	4.68E-07	4.14E-07	8.82E-07	3.49E-07	2.12E-07	5.61E-07
3698	562897.44	4234767.58	3.30E-06	2.72E-06	6.02E-06	5.60E-07	4.36E-07	9.96E-07	2.67E-06	1.99E-06	4.66E-06	4.37E-07	3.87E-07	8.23E-07	3.26E-07	1.98E-07	5.24E-07
3699	562896.61	4234777.18	3.06E-06	2.52E-06	5.58E-06	5.19E-07	4.04E-07	9.23E-07	2.47E-06	1.85E-06	4.32E-06	4.05E-07	3.59E-07	7.63E-07	3.02E-07	1.83E-07	4.85E-07
3700	562895.78	4234786.79	2.82E-06	2.33E-06	5.15E-06	4.79E-07	3.73E-07	8.52E-07	2.28E-06	1.71E-06	3.99E-06	3.73E-07	3.31E-07	7.04E-07	2.79E-07	1.69E-07	4.48E-07
3701	562894.95	4234796.39	2.63E-06	2.17E-06	4.80E-06	4.47E-07	3.48E-07	7.94E-07	2.13E-06	1.59E-06	3.72E-06	3.48E-07	3.08E-07	6.57E-07	2.60E-07	1.58E-07	4.18E-07
3702	562894.12	4234806	2.44E-06	2.01E-06	4.45E-06	4.14E-07	3.22E-07	7.36E-07	1.97E-06	1.47E-06	3.44E-06	3.23E-07	2.86E-07	6.09E-07	2.41E-07	1.46E-07	3.87E-07
3703	562893.29	4234815.6	2.25E-06	1.85E-06	4.10E-06	3.82E-07	2.97E-07	6.79E-07	1.82E-06	1.36E-06	3.18E-06	2.98E-07	2.64E-07	5.61E-07	2.22E-07	1.35E-07	3.57E-07
3704	562892.46	4234825.2	2.10E-06	1.73E-06	3.83E-06	3.57E-07	2.78E-07	6.34E-07	1.70E-06	1.27E-06	2.97E-06	2.78E-07	2.46E-07	5.24E-07	2.08E-07	1.26E-07	3.33E-07
3705	562891.63	4234834.81	1.97E-06	1.62E-06	3.59E-06	3.34E-07	2.60E-07	5.93E-07	1.59E-06	1.19E-06	2.78E-06	2.60E-07	2.30E-07	4.90E-07	1.94E-07	1.18E-07	3.12E-07
3706	562890.8	4234844.41	1.84E-06	1.52E-06	3.36E-06	3.12E-07	2.43E-07	5.55E-07	1.49E-06	1.11E-06	2.60E-06	2.43E-07	2.16E-07	4.59E-07	1.82E-07	1.10E-07	2.92E-07
3707	562880	4234737.04	3.45E-06	2.85E-06	6.30E-06	5.86E-07	4.56E-07	1.04E-06	2.79E-06	2.09E-06	4.88E-06	4.57E-07	4.05E-07	8.61E-07	3.41E-07	2.07E-07	5.48E-07
3708	562879.17	4234746.65	3.31E-06	2.73E-06	6.04E-06	5.62E-07	4.37E-07	9.99E-07	2.67E-06	2.00E-06	4.67E-06	4.38E-07	3.88E-07	8.26E-07	3.27E-07	1.98E-07	5.25E-07
3709	562878.34	4234756.25	3.16E-06	2.60E-06	5.76E-06	5.35E-07	4.17E-07	9.52E-07	2.55E-06	1.91E-06	4.46E-06	4.17E-07	3.70E-07	7.87E-07	3.12E-07	1.89E-07	5.01E-07
3710	562877.51	4234765.86	2.92E-06	2.40E-06	5.32E-06	4.95E-07	3.85E-07	8.80E-07	2.35E-06	1.76E-06	4.12E-06	3.86E-07	3.42E-07	7.27E-07	2.88E-07	1.75E-07	4.63E-07
3711	562876.68	4234775.46	2.70E-06	2.22E-06	4.92E-06	4.57E-07	3.56E-07	8.13E-07	2.18E-06	1.63E-06	3.80E-06	3.56E-07	3.16E-07	6.72E-07	2.66E-07	1.61E-07	4.27E-07
3712	562875.85	4234785.07	2.49E-06	2.05E-06	4.54E-06	4.22E-07	3.29E-07	7.51E-07	2.01E-06	1.50E-06	3.51E-06	3.29E-07	2.92E-07	6.21E-07	2.46E-07	1.49E-07	3.95E-07
3713	562875.02	4234794.67	2.32E-06	1.91E-06	4.24E-06	3.94E-07	3.07E-07	7.01E-07	1.88E-06	1.40E-06	3.28E-06	3.07E-07	2.72E-07	5.79E-07	2.29E-07	1.39E-07	3.68E-07
3714	562874.19	4234804.27	2.16E-06	1.78E-06	3.94E-06	3.67E-07	2.85E-07	6.52E-07	1.74E-06	1.31E-06	3.05E-06	2.86E-07	2.53E-07	5.39E-07	2.13E-07	1.29E-07	3.43E-07
3715	562873.36	4234813.88	2.00E-06	1.65E-06	3.65E-06	3.40E-07	2.64E-07	6.04E-07	1.62E-06	1.21E-06	2.83E-06	2.65E-07	2.35E-07	4.99E-07	1.98E-07	1.20E-07	3.17E-07
3716	562872.53	4234823.48	1.87E-06	1.54E-06	3.40E-06	3.17E-07	2.46E-07	5.63E-07	1.51E-06	1.13E-06	2.63E-06	2.47E-07	2.19E-07	4.65E-07	1.84E-07	1.12E-07	2.96E-07

3717	562871.7	4234833.09	1.74E-06	1.43E-06	3.17E-06	2.95E-07	2.30E-07	5.25E-07	1.40E-06	1.05E-06	2.46E-06	2.30E-07	2.04E-07	4.34E-07	1.72E-07	1.04E-07	2.76E-07
3718	562870.87	4234842.69	1.62E-06	1.33E-06	2.95E-06	2.75E-07	2.14E-07	4.88E-07	1.31E-06	9.78E-07	2.28E-06	2.14E-07	1.90E-07	4.04E-07	1.60E-07	9.68E-08	2.57E-07
3719	562860.08	4234735.32	2.97E-06	2.45E-06	5.41E-06	5.04E-07	3.92E-07	8.96E-07	2.40E-06	1.79E-06	4.19E-06	3.93E-07	3.48E-07	7.40E-07	2.93E-07	1.78E-07	4.71E-07
3720	562859.25	4234744.93	2.85E-06	2.34E-06	5.19E-06	4.83E-07	3.76E-07	8.59E-07	2.30E-06	1.72E-06	4.02E-06	3.76E-07	3.33E-07	7.10E-07	2.81E-07	1.70E-07	4.51E-07
3721	562858.42	4234754.53	2.71E-06	2.24E-06	4.95E-06	4.60E-07	3.58E-07	8.19E-07	2.19E-06	1.64E-06	3.83E-06	3.59E-07	3.18E-07	6.77E-07	2.68E-07	1.62E-07	4.30E-07
3722	562857.59	4234764.13	2.57E-06	2.11E-06	4.68E-06	4.35E-07	3.39E-07	7.74E-07	2.07E-06	1.55E-06	3.62E-06	3.39E-07	3.01E-07	6.40E-07	2.53E-07	1.54E-07	4.07E-07
3723	562856.76	4234773.74	2.42E-06	1.99E-06	4.41E-06	4.10E-07	3.19E-07	7.29E-07	1.95E-06	1.46E-06	3.41E-06	3.20E-07	2.83E-07	6.03E-07	2.39E-07	1.45E-07	3.83E-07
3724	562855.93	4234783.34	2.27E-06	1.87E-06	4.14E-06	3.85E-07	2.99E-07	6.84E-07	1.83E-06	1.37E-06	3.20E-06	3.00E-07	2.66E-07	5.66E-07	2.24E-07	1.36E-07	3.60E-07
3725	562855.1	4234792.95	2.12E-06	1.75E-06	3.87E-06	3.60E-07	2.80E-07	6.40E-07	1.71E-06	1.28E-06	2.99E-06	2.81E-07	2.49E-07	5.29E-07	2.10E-07	1.27E-07	3.36E-07
3726	562854.27	4234802.55	1.98E-06	1.63E-06	3.61E-06	3.35E-07	2.61E-07	5.97E-07	1.60E-06	1.19E-06	2.79E-06	2.61E-07	2.32E-07	4.93E-07	1.95E-07	1.18E-07	3.14E-07
3727	562853.44	4234812.16	1.84E-06	1.51E-06	3.35E-06	3.11E-07	2.42E-07	5.54E-07	1.48E-06	1.11E-06	2.59E-06	2.43E-07	2.15E-07	4.58E-07	1.81E-07	1.10E-07	2.91E-07
3728	562852.61	4234821.76	1.70E-06	1.40E-06	3.10E-06	2.89E-07	2.25E-07	5.13E-07	1.37E-06	1.03E-06	2.40E-06	2.25E-07	1.99E-07	4.24E-07	1.68E-07	1.02E-07	2.70E-07
3729	562851.78	4234831.36	1.57E-06	1.29E-06	2.86E-06	2.67E-07	2.07E-07	4.74E-07	1.27E-06	9.49E-07	2.22E-06	2.08E-07	1.84E-07	3.92E-07	1.55E-07	9.40E-08	2.49E-07
3730	562850.95	4234840.97	1.45E-06	1.19E-06	2.64E-06	2.46E-07	1.91E-07	4.37E-07	1.17E-06	8.75E-07	2.04E-06	1.91E-07	1.70E-07	3.61E-07	1.43E-07	8.66E-08	2.30E-07
3731	562840.15	4234733.6	2.71E-06	2.23E-06	4.93E-06	4.59E-07	3.57E-07	8.16E-07	2.18E-06	1.64E-06	3.82E-06	3.58E-07	3.17E-07	6.75E-07	2.67E-07	1.62E-07	4.29E-07
3732	562839.32	4234743.2	2.63E-06	2.17E-06	4.80E-06	4.46E-07	3.47E-07	7.93E-07	2.12E-06	1.59E-06	3.71E-06	3.48E-07	3.08E-07	6.56E-07	2.60E-07	1.57E-07	4.17E-07
3733	562838.49	4234752.81	2.55E-06	2.10E-06	4.65E-06	4.32E-07	3.37E-07	7.69E-07	2.06E-06	1.54E-06	3.60E-06	3.37E-07	2.99E-07	6.36E-07	2.52E-07	1.53E-07	4.04E-07
3734	562837.66	4234762.41	2.44E-06	2.01E-06	4.45E-06	4.14E-07	3.22E-07	7.36E-07	1.97E-06	1.47E-06	3.44E-06	3.23E-07	2.86E-07	6.08E-07	2.41E-07	1.46E-07	3.87E-07
3735	562836.83	4234772.02	2.31E-06	1.90E-06	4.22E-06	3.92E-07	3.05E-07	6.97E-07	1.87E-06	1.40E-06	3.26E-06	3.06E-07	2.71E-07	5.76E-07	2.28E-07	1.38E-07	3.67E-07
3736	562836	4234781.62	2.18E-06	1.80E-06	3.98E-06	3.70E-07	2.88E-07	6.58E-07	1.76E-06	1.32E-06	3.08E-06	2.88E-07	2.56E-07	5.44E-07	2.15E-07	1.31E-07	3.46E-07
3737	562835.17	4234791.23	2.05E-06	1.69E-06	3.73E-06	3.47E-07	2.70E-07	6.18E-07	1.65E-06	1.24E-06	2.89E-06	2.71E-07	2.40E-07	5.11E-07	2.02E-07	1.23E-07	3.25E-07
3738	562834.34	4234800.83	1.91E-06	1.58E-06	3.49E-06	3.25E-07	2.53E-07	5.78E-07	1.55E-06	1.16E-06	2.70E-06	2.53E-07	2.24E-07	4.78E-07	1.89E-07	1.15E-07	3.04E-07
3739	562833.51	4234810.43	1.78E-06	1.47E-06	3.26E-06	3.03E-07	2.36E-07	5.39E-07	1.44E-06	1.08E-06	2.52E-06	2.36E-07	2.09E-07	4.45E-07	1.76E-07	1.07E-07	2.83E-07
3740	562832.68	4234820.04	1.66E-06	1.37E-06	3.02E-06	2.81E-07	2.19E-07	5.00E-07	1.34E-06	1.00E-06	2.34E-06	2.19E-07	1.94E-07	4.13E-07	1.64E-07	9.92E-08	2.63E-07
3741	562831.85	4234829.64	1.53E-06	1.26E-06	2.80E-06	2.60E-07	2.03E-07	4.63E-07	1.24E-06	9.27E-07	2.17E-06	2.03E-07	1.80E-07	3.83E-07	1.52E-07	9.18E-08	2.43E-07
3742	562831.02	4234839.25	1.42E-06	1.17E-06	2.59E-06	2.41E-07	1.87E-07	4.28E-07	1.14E-06	8.57E-07	2.00E-06	1.87E-07	1.66E-07	3.54E-07	1.40E-07	8.48E-08	2.25E-07
3743	562820.23	4234731.88	2.53E-06	2.08E-06	4.61E-06	4.29E-07	3.34E-07	7.63E-07	2.04E-06	1.53E-06	3.57E-06	3.35E-07	2.96E-07	6.31E-07	2.50E-07	1.51E-07	4.01E-07
3744	562819.4	4234741.48	2.49E-06	2.05E-06	4.54E-06	4.22E-07	3.29E-07	7.51E-07	2.01E-06	1.50E-06	3.51E-06	3.29E-07	2.92E-07	6.21E-07	2.46E-07	1.49E-07	3.95E-07
3745	562818.57	4234751.09	2.44E-06	2.01E-06	4.45E-06	4.14E-07	3.22E-07	7.36E-07	1.97E-06	1.47E-06	3.44E-06	3.22E-07	2.86E-07	6.08E-07	2.41E-07	1.46E-07	3.87E-07
3746	562817.74	4234760.69	2.35E-06	1.93E-06	4.28E-06	3.98E-07	3.10E-07	7.08E-07	1.90E-06	1.42E-06	3.31E-06	3.10E-07	2.75E-07	5.86E-07	2.32E-07	1.41E-07	3.72E-07
3747	562816.91	4234770.29	2.22E-06	1.83E-06	4.05E-06	3.77E-07	2.93E-07	6.70E-07	1.79E-06	1.34E-06	3.13E-06	2.94E-07	2.60E-07	5.54E-07	2.19E-07	1.33E-07	3.52E-07
3748	562816.08	4234779.9	2.09E-06	1.72E-06	3.81E-06	3.55E-07	2.76E-07	6.31E-07	1.69E-06	1.26E-06	2.95E-06	2.76E-07	2.45E-07	5.21E-07	2.06E-07	1.25E-07	3.31E-07
3749	562815.25	4234789.5	1.96E-06	1.61E-06	3.57E-06	3.33E-07	2.59E-07	5.91E-07	1.58E-06	1.18E-06	2.77E-06	2.59E-07	2.30E-07	4.89E-07	1.94E-07	1.17E-07	3.11E-07
3750	562814.42	4234799.11	1.83E-06	1.51E-06	3.34E-06	3.11E-07	2.42E-07	5.52E-07	1.48E-06	1.11E-06	2.58E-06	2.42E-07	2.15E-07	4.57E-07	1.81E-07	1.10E-07	2.90E-07
3751	562813.59	4234808.71	1.70E-06	1.40E-06	3.11E-06	2.89E-07	2.25E-07	5.14E-07	1.38E-06	1.03E-06	2.41E-06	2.25E-07	2.00E-07	4.25E-07	1.68E-07	1.02E-07	2.70E-07
3752	562812.76	4234818.32	1.58E-06	1.30E-06	2.88E-06	2.68E-07	2.09E-07	4.77E-07	1.28E-06	9.56E-07	2.23E-06	2.09E-07	1.85E-07	3.95E-07	1.56E-07	9.47E-08	2.51E-07
3753	562811.93	4234827.92	1.46E-06	1.21E-06	2.67E-06	2.48E-07	1.93E-07	4.42E-07	1.18E-06	8.85E-07	2.07E-06	1.94E-07	1.72E-07	3.65E-07	1.45E-07	8.76E-08	2.32E-07
3754	562811.1	4234837.52	1.35E-06	1.11E-06	2.47E-06	2.29E-07	1.79E-07	4.08E-07	1.09E-06	8.17E-07	1.91E-06	1.79E-07	1.58E-07	3.37E-07	1.34E-07	8.09E-08	2.14E-07
3755	562800.3	4234730.16	2.45E-06	2.02E-06	4.47E-06	4.16E-07	3.24E-07	7.40E-07	1.98E-06	1.48E-06	3.46E-06	3.24E-07	2.87E-07	6.12E-07	2.42E-07	1.47E-07	3.89E-07
3756	562799.47	4234739.76	2.37E-06	1.95E-06	4.32E-06	4.02E-07	3.13E-07	7.15E-07	1.91E-06	1.43E-06	3.35E-06	3.13E-07	2.78E-07	5.91E-07	2.34E-07	1.42E-07	3.76E-07
3757	562798.64	4234749.36	2.28E-06	1.88E-06	4.15E-06	3.86E-07	3.01E-07	6.87E-07	1.84E-06	1.38E-06	3.21E-06	3.01E-07	2.67E-07	5.68E-07	2.25E-07	1.36E-07	3.61E-07
3758	562797.81	4234758.97	2.17E-06	1.79E-06	3.96E-06	3.68E-07	2.87E-07	6.55E-07	1.75E-06	1.31E-06	3.06E-06	2.87E-07	2.54E-07	5.41E-07	2.14E-07	1.30E-07	3.44E-07
3759	562796.98	4234768.57	2.05E-06	1.69E-06	3.75E-06	3.49E-07	2.71E-07	6.20E-07	1.66E-06	1.24E-06	2.90E-06	2.72E-07	2.41E-07	5.12E-07	2.03E-07	1.23E-07	3.26E-07
3760	562796.15	4234778.18	1.94E-06	1.59E-06	3.53E-06	3.28E-07	2.56E-07	5.84E-07	1.56E-06	1.17E-06	2.73E-06	2.56E-07	2.27E-07	4.83E-07	1.91E-07	1.16E-07	3.07E-07
3761	562795.32	4234787.78	1.82E-06	1.50E-06	3.32E-06	3.08E-07	2.40E-07	5.49E-07	1.47E-06	1.10E-06	2.57E-06	2.40E-07	2.13E-07	4.53E-07	1.80E-07	1.09E-07	2.88E-07
3762	562794.49	4234797.39	1.70E-06	1.40E-06	3.10E-06	2.89E-07	2.25E-07	5.13E-07	1.37E-06	1.03E-06	2.40E-06	2.25E-07	1.99E-07	4.24E-07	1.68E-07	1.02E-07	2.70E-07
3763	562793.66	4234806.99	1.59E-06	1.31E-06	2.89E-06	2.69E-07	2.10E-07	4.79E-07	1.28E-06	9.59E-07	2.24E-06	2.10E-07	1.86E-07	3.96E-07	1.57E-07	9.50E-08	2.52E-07
3764	562792.83	4234816.59	1.47E-06	1.21E-06	2.69E-06	2.50E-07	1.95E-07	4.45E-07	1.19E-06	8.91E-07	2.08E-06	1.95E-07	1.73E-07	3.68E-07	1.46E-07	8.82E-08	2.34E-07
3765	562792	4234826.2	1.37E-06	1.13E-06	2.49E-06	2.32E-07	1.80E-07	4.12E-07	1.10E-06	8.25E-07	1.93E-06	1.81E-07	1.60E-07	3.41E-07	1.35E-07	8.17E-08	2.17E-07
3766	562791.17	4234835.8	1.26E-06	1.04E-06	2.30E-06	2.14E-07	1.67E-07	3.81E-07	1.02E-06	7.64E-07	1.78E-06	1.67E-07	1.48E-07	3.15E-07	1.25E-07	7.56E-08	2.00E-07
3767	562780.37	4234728.43	2.31E-06	1.91E-06	4.22E-06	3.93E-07	3.06E-07	6.98E-07	1.87E-06	1.40E-06	3.27E-06	3.06E-07	2.71E-07	5.77E-07	2.29E-07	1.38E-07	3.67E-07
3768	562779.54	4234738.04	2.21E-06	1.82E-06	4.03E-06	3.75E-07	2.92E-07	6.66E-07	1.78E-06	1.33E-06	3.12E-06	2.92E-07	2.59E-07	5.51E-07	2.18E-07	1.32E-07	3.50E-07
3769	562778.71	4234747.64	2.10E-06	1.73E-06	3.82E-06	3.56E-07	2.77E-07	6.33E-07	1.69E-06	1.27E-06	2.96E-06	2.77E-07	2.46E-07	5.23E-07	2.07E-07	1.25E-07	3.33E-07
3770	562777.88	4234757.25	1.98E-06	1.63E-06	3.62E-06	3.37E-07	2.62E-07	5.98E-07	1.60E-06	1.20E-06	2.80E-06	2.62E-07	2.32E-07	4.95E-07	1.96E-07	1.19E-07	3.15E-07
3771	562777.05	4234766.85	1.88E-06	1.55E-06	3.42E-06	3.19E-07	2.48E-07	5.67E-07	1.52E-06	1.13E-06	2.65E-06	2.48E-07	2.20E-07	4.68E-07	1.85E-07	1.12E-07	2.98E-07
3772	562776.22	4234776.46	1.77E-06	1.46E-06	3.23E-06	3.00E-07	2.34E-07	5.34E-07	1.43E-06	1.07E-06	2.50E-06	2.34E-07	2.08E-07	4.42E-07	1.75E-07	1.06E-07	2.81E-07
3773	562775.39	4234786.06	1.66E-06	1.37E-06	3.04E-06	2.82E-07	2.20E-07	5.02E-07	1.34E-06	1.01E-06	2.35E-06	2.20E-07	1.95E-07	4.15E-07	1.64E-07	9.96E-08	2.64E-07
3774	562774.56	4234795.66	1.56E-06	1.28E-06	2.84E-06	2.65E-07	2.06E-07	4.70E-07	1.26E-06	9.42E-07	2.20E-06	2.06E-07	1.83E-07	3.89E-07	1.54E-07	9.33E-08	2.47E-07
3775	562773.73	4234805.27	1.46E-06	1.20E-06	2.66E-06	2.47E-07	1.92E-07	4.39E-07	1.18E-06	8.80E-07	2.06E-06	1.93E-07	1.71E-07	3.63E-07	1.44E-07	8.71E-08	2.31E-07
3776	562772.9	4234814.87	1.36E-06	1.12E-06	2.47E-06	2.30E-07	1.79E-07	4.09E-07	1.09E-06	8.19E-07	1.91E-06	1.79E-07	1.59E-07	3.38E-07	1.34E-07	8.11E-08	2.15E-07
3777	562772.07	4234824.48	1.26E-06	1.04E-06	2.30E-06	2.14E-07	1.66E-07	3.80E-07	1.02E-06	7.61E-07	1.78E-06	1.66E-07	1.47E-07	3.14E-07	1.24E-07	7.53E-08	2.00E-07
3778	562771.24	4234834.08	1.17E-06	9.61E-07	2.13E-06	1.98E-07	1.54E-07	3.52E-07	9.42E-07	7.05E-07	1.65E-06	1.54E-07	1.37E-07	2.91E-07	1.15E-07	6.98E-08	1.85E-07
3779	562740.52	4234724.99	1.97E-06	1.62E-06	3.59E-06	3.34E-07	2.60E-07	5.94E-07	1.59E-06	1.19E-06	2.78E-06	2.60E-07	2.31E-07	4.91E-07	1.94E-07	1.18E-07	3.12E-07
3780	562739.69	4234734.59	1.88E-06	1.55E-06	3.43E-06	3.19E-07	2.49E-07	5.68E-07	1.52E-06	1.14E-06	2.66E-06	2.49E-07	2.21E-07	4.70E-07	1.86E-07	1.13E-07	2.99E-07
3781	562738.86	4234744.2	1.80E-06	1.48E-06	3.28E-06	3.05E-07	2.37E-07	5.42E-07	1.45E-06	1.09E-06	2.54E-06	2.37E-07	2.10E-07	4.48E-07	1.77E-07	1.07E-07	2.85E-07
3782	562738.03	4234753.8	1.71E-06	1.41E-06	3.11E-06	2.90E-07	2.26E-07	5.15E-07	1.38E-06	1.03E-06	2.41E-06	2.26E-07	2.00E-07	4.26E-07	1.69E-07	1.02E-07	2.71E-07
3783	562737.2	4234763.41	1.62E-06	1.34E-06	2.96E-06	2.75E-07	2.14E-07	4.89E-07	1.31E-06	9.80E-07	2.29E-06	2.14E-07	1.90E-07	4.04E-07	1.60E-07	9.70E-08	2.57E-07
3784	562736.37	4234773.01	1.53E-06	1.26E-06	2.80E-06	2.60E-07	2.03E-07	4.63E-07	1.24E-06	9.27E-07	2.17E-06	2.03E-07	1.80E-07	3.83E-07	1.52E-07	9.18E-08	2.43E-07
3785	562735.54	4234782.62	1.45E-06	1.19E-06	2.64E-06	2.46E-07	1.91E-07	4.37E-07	1.17E-06	8.75E-07	2.04E-06	1.91E-07	1.70E-07	3.61E-07	1.43E-07	8.66E-08	2.30E-07
3786	562734.71	4234792.22	1.36E-06	1.12E-06	2.48E-06	2.31E-07	1.80E-07	4.11E-07	1.10E-06	8.23E-07	1.92E-06	1.80E-07	1.60E-07	3.40E-07	1.34E-07	8.15E-08	2.16E-07
3787	562733.88	4234801.82	1.28E-06	1.05E-06	2.33E-06	2.17E-07	1.69E-07	3.85E-07	1.03E-06	7.71E-07	1.80E-06	1.69E-07	1.50E-07	3.18E-07	1.26E-07	7.64E-08	2.02E-07
3788	562733.05	4234811.43	1.19E-06	9.83E-07	2.18E-06	2.03E-07	1.58E-07	3.60E-07	9.64E-07	7.21E-07	1.68E-06	1.58E-07	1.40E-07	2.98E-07	1.18E-07	7.14E-08	1.89E-07
3789	562732.22	4234821.03	1.11E-06	9.17E-07	2.03E-06	1.89E-07	1.47E-07	3.36E-07	8.99E-07	6.73E-07	1.57E-06	1.47E-07	1.30E-07	2.78E-07	1.10E-07	6.66E-08	1.77E-07
3790	562731.39	4234830.64	1.04E-06	8.54E-07	1.89E-06	1.76E-07	1.37E-07	3.13E-07	8.37E-07	6.26E-07	1.46E-06	1.37E-07	1.21E-07	2.58E-07	1.02E-07	6.20E-08	1.64E-07
3791	562700.67	4234721.55	1.72E-06	1.42E-06	3.14E-06	2.92E-07	2.27E-07	5.19E-07	1.39E-06	1.04E-06	2.43E-06	2.27E-07	2.02E-07	4.29E-07	1.70E-07	1.03E-07	2.73E-07
3792	562699.84	4234731.15	1.65E-06	1.36E-06	3.01E-06	2.80E-07	2.18E-07	4.98E-07	1.33E-06	9.98E-07	2.33E-06	2.18E-07	1.93E-07	4.12E-07	1.63E-07	9.88E-08	2.62E-07
3793	562699.01	4234740.75	1.58E-06	1.30E-06	2.88E-06	2.68E-07	2.09E-07	4.77E-07	1.28E-06	9.55E-07	2.23E-06	2.09E-07	1.85E-07	3.94E-07	1.56E-07	9.46E-08	2.51E-07
3794	562698.18	4234750.36	1.51E-06	1.24E-06	2.75E-06	2.56E-07	1.99E-07	4.55E-07	1.22E-06	9.11E-07	2.13E-06	1.99E-07	1.77E-07	3.76E-07	1.49E-07	9.02E-08	2.39E-07
3795	562697.35	4234759.96	1.43E-06	1.18E-06	2.62E-06	2.43E-07	1.90E-07	4.33E-07	1.16E-06	8.67E-07	2.03E-06	1.90E-07	1.68E-07	3.58E-07	1.42E-07	8.59E-08	2.28E-07
3796	562696.52	4234769.57	1.36E-06	1.12E-06	2.48E-06	2.31E-07	1.80E-07	4.11E-07	1.10E-06	8.23E-07	1.92E-06	1.80E-07	1.60E-07	3.40E-07	1.34E-07	8.15E-08	2.16E-07
3797	562695.69	4234779.17	1.29E-06	1.06E-06	2.35E-06	2.19E-07	1.70E-07	3.89E-07	1.04E-06	7.78E-07	1.82E-06	1.70E-07	1.51E-07	3.21E-07	1.27E-07	7.71E-08	2.04E-07
3798	562694.86	4234788.78	1.21E-06	1.00E-06	2.22E-06	2.06E-07	1.60E-07	3.67E-07	9.81E-07	7.34E-07	1.72E-06	1.61E-07	1.42E-07	3.03E-07	1.20E-07	7.27E-08	1.93E-07
3799	562694.03	4234798.38	1.14E-06	9.41E-07	2.08E-06	1.94E-07	1.51E-07	3.45E-07	9.23E-07	6.91E-07	1.61E-06	1.51E-07	1.34E-07	2.85E-07	1.13E-07	6.84E-08	1.81E-07
3800	562693.2	4234807.98	1.07E-06	8.83E-07	1.96E-06	1.82E-07	1.42E-07	3.23E-07	8.65E-07	6.48E-07	1.51E-06	1.42E-07	1.26E-07	2.67E-07	1.06E-07	6.42E-08	1.70E-07
3801	562692.37	4234817.59	1.00E-06	8.26E-07	1.83E-06	1.70E-07	1.32E-07	3.03E-07	8.10E-07	6.06E-07	1.42E-06	1.33E-07	1.18E-07	2.50E-07	9.91E-08	6.00E-08	1.59E-07
3802	562691.54	4234827.19	9.37E-07	7.72E-07	1.71E-06	1.59E-07	1.24E-07	2.83E-07	7.57E-07	5.66E-07	1.32E-06	1.24E-07	1.10E-07	2.34E-07	9.25E-08	5.61E-08	1.49E-07
3803	562660.82	4234718.1	1.50E-06	1.23E-06	2.73E-06	2.54E-07	1.98E-07	4.51E-07	1.21E-06	9.04E-07	2.11E-06	1.98E-07	1.75E-07	3.73E-07	1.48E-07	8.95E-08	2.37E-07
3804	562659.99	4234727.71	1.44E-06	1.18E-06	2.62E-06	2.44E-07	1.90E-07	4.33E-07	1.16E-06	8.68E-07	2.03E-06	1.90E-07	1.68E-07	3.58E-07	1.42E-07	8.60E-08	2.28E-07
3805	562659.16	4234737.31	1.38E-06	1.13E-06	2.51E-06	2.33E-07	1.82E-07	4.15E-07	1.11E-06	8.31E-07	1.94E-06	1.82E-07	1.61E-07	3.43E-07	1.36E-07	8.23E-08	2.18E-07
3806	562658.33	4234746.91	1.31E-06	1.08E-06	2.40E-06	2.23E-07	1.74E-07	3.96E-07	1.06E-06	7.94E-07	1.85E-06	1.74E-07	1.54E-07	3.28E-07	1.30E-07	7.86E-08	2.08E-07
3807	562657.5	4234756.52	1.25E-06	1.03E-06	2.28E-06	2.12E-07	1.65E-07	3.78E-07	1.01E-06	7.56E-07	1.77E-06	1.66E-07	1.47E-07	3.12E-07	1.24E-07	7.49E-08	1.99E-07
3808	562656.67	4234766.12	1.20E-06	9.88E-07	2.19E-06	2.03E-07	1.58E-07	3.62E-07	9.68E-07	7.25E-07	1.69E-06	1.59E-07	1.40E-07	2.99E-07	1.18E-07	7.18E-08	1.90E-07
3809	562655.84	4234775.73	1.15E-06	9.44E-07	2.09E-06	1.94E-07	1.51E-07	3.46E-07	9.25E-07	6.93E-07	1.62E-06	1.52E-07	1.34E-07	2.86E-07	1.13E-07	6.86E-08	1.82E-07

3810	562655.01	4234785.33	1.09E-06	9.01E-07	1.99E-06	1.86E-07	1.44E-07	3.30E-07	8.83E-07	6.61E-07	1.54E-06	1.45E-07	1.28E-07	2.73E-07	1.08E-07	6.55E-08	1.73E-07
3811	562654.18	4234794.94	1.03E-06	8.51E-07	1.88E-06	1.75E-07	1.36E-07	3.12E-07	8.34E-07	6.24E-07	1.46E-06	1.37E-07	1.21E-07	2.58E-07	1.02E-07	6.18E-08	1.64E-07
3812	562653.35	4234804.54	9.71E-07	8.00E-07	1.77E-06	1.65E-07	1.28E-07	2.93E-07	7.84E-07	5.87E-07	1.37E-06	1.28E-07	1.14E-07	2.42E-07	9.59E-08	5.81E-08	1.54E-07
3813	562652.52	4234814.14	9.12E-07	7.51E-07	1.66E-06	1.55E-07	1.20E-07	2.75E-07	7.36E-07	5.51E-07	1.29E-06	1.21E-07	1.07E-07	2.27E-07	9.01E-08	5.46E-08	1.45E-07
3814	562651.69	4234823.75	8.54E-07	7.04E-07	1.56E-06	1.45E-07	1.13E-07	2.58E-07	6.90E-07	5.16E-07	1.21E-06	1.13E-07	1.00E-07	2.13E-07	8.44E-08	5.11E-08	1.36E-07
3815	562620.97	4234714.66	1.35E-06	1.11E-06	2.47E-06	2.29E-07	1.79E-07	4.08E-07	1.09E-06	8.17E-07	1.91E-06	1.79E-07	1.58E-07	3.37E-07	1.34E-07	8.09E-08	2.14E-07
3816	562620.14	4234724.26	1.30E-06	1.07E-06	2.38E-06	2.21E-07	1.72E-07	3.93E-07	1.05E-06	7.88E-07	1.84E-06	1.72E-07	1.53E-07	3.25E-07	1.29E-07	7.80E-08	2.07E-07
3817	562619.31	4234733.87	1.24E-06	1.02E-06	2.26E-06	2.11E-07	1.64E-07	3.75E-07	1.00E-06	7.50E-07	1.75E-06	1.64E-07	1.46E-07	3.10E-07	1.23E-07	7.43E-08	1.97E-07
3818	562618.48	4234743.47	1.18E-06	9.69E-07	2.15E-06	2.00E-07	1.55E-07	3.55E-07	9.50E-07	7.11E-07	1.66E-06	1.56E-07	1.38E-07	2.94E-07	1.16E-07	7.04E-08	1.87E-07
3819	562617.65	4234753.07	1.11E-06	9.16E-07	2.03E-06	1.89E-07	1.47E-07	3.36E-07	8.98E-07	6.72E-07	1.57E-06	1.47E-07	1.30E-07	2.77E-07	1.10E-07	6.66E-08	1.76E-07
3820	562616.82	4234762.68	1.06E-06	8.71E-07	1.93E-06	1.79E-07	1.40E-07	3.19E-07	8.54E-07	6.39E-07	1.49E-06	1.40E-07	1.24E-07	2.64E-07	1.04E-07	6.33E-08	1.68E-07
3821	562615.99	4234772.28	1.01E-06	8.29E-07	1.84E-06	1.71E-07	1.33E-07	3.04E-07	8.13E-07	6.08E-07	1.42E-06	1.33E-07	1.18E-07	2.51E-07	9.94E-08	6.02E-08	1.60E-07
3822	562615.16	4234781.89	9.55E-07	7.86E-07	1.74E-06	1.62E-07	1.26E-07	2.88E-07	7.71E-07	5.77E-07	1.35E-06	1.26E-07	1.12E-07	2.38E-07	9.43E-08	5.71E-08	1.51E-07
3823	562614.33	4234791.49	9.08E-07	7.48E-07	1.66E-06	1.54E-07	1.20E-07	2.74E-07	7.34E-07	5.49E-07	1.28E-06	1.20E-07	1.06E-07	2.27E-07	8.97E-08	5.44E-08	1.44E-07
3824	562613.5	4234801.1	8.68E-07	7.15E-07	1.58E-06	1.47E-07	1.15E-07	2.62E-07	7.01E-07	5.25E-07	1.23E-06	1.15E-07	1.02E-07	2.16E-07	8.57E-08	5.20E-08	1.38E-07
3825	562612.67	4234810.7	8.28E-07	6.82E-07	1.51E-06	1.40E-07	1.09E-07	2.50E-07	6.68E-07	5.00E-07	1.17E-06	1.09E-07	9.70E-08	2.06E-07	8.17E-08	4.95E-08	1.31E-07
3826	562611.84	4234820.3	7.83E-07	6.45E-07	1.43E-06	1.33E-07	1.03E-07	2.36E-07	6.32E-07	4.73E-07	1.11E-06	1.04E-07	9.17E-08	1.95E-07	7.73E-08	4.69E-08	1.24E-07
3827	562581.12	4234711.21	1.23E-06	1.02E-06	2.25E-06	2.09E-07	1.63E-07	3.72E-07	9.97E-07	7.46E-07	1.74E-06	1.63E-07	1.45E-07	3.08E-07	1.22E-07	7.39E-08	1.96E-07
3828	562580.29	4234720.82	1.19E-06	9.80E-07	2.17E-06	2.02E-07	1.57E-07	3.59E-07	9.60E-07	7.19E-07	1.68E-06	1.57E-07	1.39E-07	2.97E-07	1.17E-07	7.12E-08	1.89E-07
3829	562579.46	4234730.42	1.14E-06	9.38E-07	2.08E-06	1.93E-07	1.50E-07	3.43E-07	9.19E-07	6.88E-07	1.61E-06	1.51E-07	1.33E-07	2.84E-07	1.12E-07	6.81E-08	1.81E-07
3830	562578.63	4234740.03	1.08E-06	8.90E-07	1.97E-06	1.83E-07	1.43E-07	3.26E-07	8.72E-07	6.53E-07	1.52E-06	1.43E-07	1.27E-07	2.69E-07	1.07E-07	6.46E-08	1.71E-07
3831	562577.8	4234749.63	1.02E-06	8.43E-07	1.87E-06	1.74E-07	1.35E-07	3.09E-07	8.27E-07	6.19E-07	1.45E-06	1.35E-07	1.20E-07	2.55E-07	1.01E-07	6.13E-08	1.62E-07
3832	562576.97	4234759.24	9.71E-07	8.00E-07	1.77E-06	1.65E-07	1.28E-07	2.93E-07	7.84E-07	5.87E-07	1.37E-06	1.28E-07	1.14E-07	2.42E-07	9.59E-08	5.81E-08	1.54E-07
3833	562576.14	4234768.84	9.23E-07	7.61E-07	1.68E-06	1.57E-07	1.22E-07	2.79E-07	7.46E-07	5.58E-07	1.30E-06	1.22E-07	1.08E-07	2.30E-07	9.12E-08	5.53E-08	1.46E-07
3834	562575.31	4234778.44	8.75E-07	7.21E-07	1.60E-06	1.48E-07	1.16E-07	2.64E-07	7.07E-07	5.29E-07	1.24E-06	1.16E-07	1.03E-07	2.18E-07	8.64E-08	5.24E-08	1.39E-07
3835	562574.48	4234788.05	8.27E-07	6.82E-07	1.51E-06	1.40E-07	1.09E-07	2.50E-07	6.68E-07	5.00E-07	1.17E-06	1.09E-07	9.70E-08	2.06E-07	8.17E-08	4.95E-08	1.31E-07
3836	562573.65	4234797.65	7.83E-07	6.45E-07	1.43E-06	1.33E-07	1.03E-07	2.36E-07	6.32E-07	4.73E-07	1.11E-06	1.04E-07	9.17E-08	1.95E-07	7.73E-08	4.69E-08	1.24E-07
3837	562572.82	4234807.26	7.39E-07	6.09E-07	1.35E-06	1.25E-07	9.76E-08	2.23E-07	5.97E-07	4.47E-07	1.04E-06	9.77E-08	8.66E-08	1.84E-07	7.30E-08	4.42E-08	1.17E-07
3838	562571.99	4234816.86	6.97E-07	5.74E-07	1.27E-06	1.18E-07	9.20E-08	2.10E-07	5.63E-07	4.21E-07	9.84E-07	9.22E-08	8.17E-08	1.74E-07	6.88E-08	4.17E-08	1.11E-07
3839	562541.27	4234707.77	1.12E-06	9.24E-07	2.05E-06	1.90E-07	1.48E-07	3.38E-07	9.05E-07	6.78E-07	1.58E-06	1.48E-07	1.31E-07	2.80E-07	1.11E-07	6.71E-08	1.78E-07
3840	562540.44	4234717.37	1.08E-06	8.92E-07	1.97E-06	1.84E-07	1.43E-07	3.27E-07	8.74E-07	6.54E-07	1.53E-06	1.43E-07	1.27E-07	2.70E-07	1.07E-07	6.48E-08	1.72E-07
3841	562539.61	4234726.98	1.04E-06	8.59E-07	1.90E-06	1.77E-07	1.38E-07	3.15E-07	8.42E-07	6.30E-07	1.47E-06	1.38E-07	1.22E-07	2.60E-07	1.03E-07	6.24E-08	1.65E-07
3842	562538.78	4234736.58	1.00E-06	8.25E-07	1.83E-06	1.70E-07	1.32E-07	3.02E-07	8.09E-07	6.05E-07	1.41E-06	1.32E-07	1.17E-07	2.50E-07	9.89E-08	6.00E-08	1.59E-07
3843	562537.95	4234746.19	9.61E-07	7.91E-07	1.75E-06	1.63E-07	1.27E-07	2.90E-07	7.76E-07	5.81E-07	1.36E-06	1.27E-07	1.13E-07	2.40E-07	9.49E-08	5.75E-08	1.52E-07
3844	562537.12	4234755.79	9.19E-07	7.57E-07	1.68E-06	1.56E-07	1.21E-07	2.77E-07	7.42E-07	5.56E-07	1.30E-06	1.22E-07	1.08E-07	2.29E-07	9.08E-08	5.50E-08	1.46E-07
3845	562536.29	4234765.4	8.73E-07	7.19E-07	1.59E-06	1.48E-07	1.15E-07	2.63E-07	7.05E-07	5.27E-07	1.23E-06	1.15E-07	1.02E-07	2.18E-07	8.62E-08	5.22E-08	1.38E-07
3846	562535.46	4234775	8.27E-07	6.82E-07	1.51E-06	1.40E-07	1.09E-07	2.50E-07	6.68E-07	5.00E-07	1.17E-06	1.09E-07	9.70E-08	2.06E-07	8.17E-08	4.95E-08	1.31E-07
3847	562534.63	4234784.6	7.83E-07	6.45E-07	1.43E-06	1.33E-07	1.03E-07	2.36E-07	6.32E-07	4.73E-07	1.11E-06	1.04E-07	9.18E-08	1.95E-07	7.73E-08	4.69E-08	1.24E-07
3848	562533.8	4234794.21	7.38E-07	6.08E-07	1.35E-06	1.25E-07	9.74E-08	2.23E-07	5.96E-07	4.46E-07	1.04E-06	9.75E-08	8.64E-08	1.84E-07	7.28E-08	4.41E-08	1.17E-07
3849	562532.97	4234803.81	6.93E-07	5.71E-07	1.26E-06	1.18E-07	9.15E-08	2.09E-07	5.59E-07	4.19E-07	9.78E-07	9.16E-08	8.12E-08	1.73E-07	6.84E-08	4.15E-08	1.10E-07
3850	562532.14	4234813.42	6.49E-07	5.35E-07	1.18E-06	1.10E-07	8.57E-08	1.96E-07	5.24E-07	3.92E-07	9.16E-07	8.58E-08	7.61E-08	1.62E-07	6.41E-08	3.88E-08	1.03E-07
3851	562501.41	4234704.33	1.02E-06	8.44E-07	1.87E-06	1.74E-07	1.35E-07	3.09E-07	8.27E-07	6.19E-07	1.45E-06	1.36E-07	1.20E-07	2.56E-07	1.01E-07	6.13E-08	1.63E-07
3852	562500.58	4234713.93	9.90E-07	8.16E-07	1.81E-06	1.68E-07	1.31E-07	2.99E-07	8.00E-07	5.99E-07	1.40E-06	1.31E-07	1.16E-07	2.47E-07	9.78E-08	5.93E-08	1.57E-07
3853	562499.75	4234723.53	9.55E-07	7.87E-07	1.74E-06	1.62E-07	1.26E-07	2.88E-07	7.71E-07	5.77E-07	1.35E-06	1.26E-07	1.12E-07	2.38E-07	9.43E-08	5.72E-08	1.52E-07
3854	562498.92	4234733.14	9.19E-07	7.57E-07	1.68E-06	1.56E-07	1.21E-07	2.77E-07	7.42E-07	5.56E-07	1.30E-06	1.22E-07	1.08E-07	2.29E-07	9.08E-08	5.50E-08	1.46E-07
3855	562498.09	4234742.74	8.83E-07	7.28E-07	1.61E-06	1.50E-07	1.17E-07	2.66E-07	7.13E-07	5.34E-07	1.25E-06	1.17E-07	1.03E-07	2.20E-07	8.72E-08	5.29E-08	1.40E-07
3856	562497.26	4234752.35	8.46E-07	6.97E-07	1.54E-06	1.44E-07	1.12E-07	2.55E-07	6.83E-07	5.11E-07	1.19E-06	1.12E-07	9.92E-08	2.11E-07	8.36E-08	5.07E-08	1.34E-07
3857	562496.43	4234761.95	8.09E-07	6.67E-07	1.48E-06	1.37E-07	1.07E-07	2.44E-07	6.53E-07	4.89E-07	1.14E-06	1.07E-07	9.48E-08	2.02E-07	7.99E-08	4.84E-08	1.28E-07
3858	562495.6	4234771.56	7.72E-07	6.36E-07	1.41E-06	1.31E-07	1.02E-07	2.33E-07	6.23E-07	4.67E-07	1.09E-06	1.02E-07	9.05E-08	1.93E-07	7.62E-08	4.62E-08	1.22E-07
3859	562494.77	4234781.16	7.35E-07	6.06E-07	1.34E-06	1.25E-07	9.71E-08	2.22E-07	5.93E-07	4.44E-07	1.04E-06	9.72E-08	8.61E-08	1.83E-07	7.26E-08	4.40E-08	1.17E-07
3860	562493.94	4234790.76	6.98E-07	5.75E-07	1.27E-06	1.18E-07	9.22E-08	2.11E-07	5.64E-07	4.22E-07	9.86E-07	9.24E-08	8.18E-08	1.74E-07	6.90E-08	4.18E-08	1.11E-07
3861	562493.11	4234800.37	6.62E-07	5.46E-07	1.21E-06	1.12E-07	8.75E-08	2.00E-07	5.35E-07	4.00E-07	9.35E-07	8.76E-08	7.76E-08	1.65E-07	6.54E-08	3.96E-08	1.05E-07
3862	562492.28	4234809.97	6.27E-07	5.17E-07	1.14E-06	1.06E-07	8.28E-08	1.89E-07	5.06E-07	3.79E-07	8.86E-07	8.29E-08	7.35E-08	1.56E-07	6.19E-08	3.75E-08	9.95E-08
3863	562461.56	4234700.88	9.42E-07	7.76E-07	1.72E-06	1.60E-07	1.24E-07	2.84E-07	7.60E-07	5.69E-07	1.33E-06	1.25E-07	1.10E-07	2.35E-07	9.30E-08	5.64E-08	1.49E-07
3864	562460.73	4234710.49	9.11E-07	7.51E-07	1.66E-06	1.55E-07	1.20E-07	2.75E-07	7.36E-07	5.51E-07	1.29E-06	1.20E-07	1.07E-07	2.27E-07	9.00E-08	5.45E-08	1.45E-07
3865	562459.9	4234720.09	8.80E-07	7.25E-07	1.60E-06	1.49E-07	1.16E-07	2.66E-07	7.10E-07	5.32E-07	1.24E-06	1.16E-07	1.03E-07	2.19E-07	8.69E-08	5.27E-08	1.40E-07
3866	562459.07	4234729.69	8.48E-07	6.99E-07	1.55E-06	1.44E-07	1.12E-07	2.56E-07	6.85E-07	5.13E-07	1.20E-06	1.12E-07	9.94E-08	2.12E-07	8.38E-08	5.08E-08	1.35E-07
3867	562458.24	4234739.3	8.16E-07	6.72E-07	1.49E-06	1.38E-07	1.08E-07	2.46E-07	6.59E-07	4.93E-07	1.15E-06	1.08E-07	9.56E-08	2.03E-07	8.05E-08	4.88E-08	1.29E-07
3868	562457.41	4234748.9	7.83E-07	6.45E-07	1.43E-06	1.33E-07	1.03E-07	2.36E-07	6.32E-07	4.73E-07	1.11E-06	1.04E-07	9.17E-08	1.95E-07	7.73E-08	4.69E-08	1.24E-07
3869	562456.58	4234758.51	7.50E-07	6.18E-07	1.37E-06	1.27E-07	9.90E-08	2.26E-07	6.05E-07	4.53E-07	1.06E-06	9.91E-08	8.79E-08	1.87E-07	7.40E-08	4.49E-08	1.19E-07
3870	562455.75	4234768.11	7.16E-07	5.90E-07	1.31E-06	1.22E-07	9.46E-08	2.16E-07	5.79E-07	4.33E-07	1.01E-06	9.48E-08	8.40E-08	1.79E-07	7.08E-08	4.29E-08	1.14E-07
3871	562454.92	4234777.72	6.83E-07	5.63E-07	1.25E-06	1.16E-07	9.03E-08	2.06E-07	5.52E-07	4.13E-07	9.65E-07	9.04E-08	8.01E-08	1.70E-07	6.75E-08	4.09E-08	1.08E-07
3872	562454.09	4234787.32	6.51E-07	5.36E-07	1.19E-06	1.10E-07	8.59E-08	1.96E-07	5.25E-07	3.93E-07	9.18E-07	8.60E-08	7.62E-08	1.62E-07	6.43E-08	3.89E-08	1.03E-07
3873	562453.26	4234796.92	6.18E-07	5.09E-07	1.13E-06	1.05E-07	8.17E-08	1.87E-07	4.99E-07	3.74E-07	8.73E-07	8.18E-08	7.25E-08	1.54E-07	6.11E-08	3.70E-08	9.81E-08
3874	562452.43	4234806.53	5.87E-07	4.83E-07	1.07E-06	9.96E-08	7.75E-08	1.77E-07	4.74E-07	3.55E-07	8.28E-07	7.76E-08	6.88E-08	1.46E-07	5.80E-08	3.51E-08	9.31E-08
3875	562421.71	4234697.44	8.69E-07	7.16E-07	1.59E-06	1.48E-07	1.15E-07	2.62E-07	7.02E-07	5.25E-07	1.23E-06	1.15E-07	1.02E-07	2.17E-07	8.59E-08	5.20E-08	1.38E-07
3876	562420.88	4234707.04	8.42E-07	6.94E-07	1.54E-06	1.43E-07	1.11E-07	2.54E-07	6.80E-07	5.09E-07	1.19E-06	1.11E-07	9.87E-08	2.10E-07	8.32E-08	5.04E-08	1.34E-07
3877	562420.05	4234716.65	8.14E-07	6.71E-07	1.48E-06	1.38E-07	1.08E-07	2.46E-07	6.57E-07	4.92E-07	1.15E-06	1.08E-07	9.54E-08	2.03E-07	8.04E-08	4.87E-08	1.29E-07
3878	562419.22	4234726.25	7.86E-07	6.47E-07	1.43E-06	1.33E-07	1.04E-07	2.37E-07	6.34E-07	4.75E-07	1.11E-06	1.04E-07	9.21E-08	1.96E-07	7.76E-08	4.70E-08	1.25E-07
3879	562418.39	4234735.85	7.57E-07	6.23E-07	1.38E-06	1.28E-07	9.99E-08	2.28E-07	6.11E-07	4.57E-07	1.07E-06	1.00E-07	8.87E-08	1.89E-07	7.47E-08	4.53E-08	1.20E-07
3880	562417.56	4234745.46	7.27E-07	5.99E-07	1.33E-06	1.23E-07	9.60E-08	2.19E-07	5.87E-07	4.39E-07	1.03E-06	9.62E-08	8.52E-08	1.81E-07	7.18E-08	4.35E-08	1.15E-07
3881	562416.73	4234755.06	6.97E-07	5.75E-07	1.27E-06	1.18E-07	9.21E-08	2.10E-07	5.63E-07	4.21E-07	9.85E-07	9.22E-08	8.17E-08	1.74E-07	6.89E-08	4.17E-08	1.11E-07
3882	562415.9	4234764.67	6.68E-07	5.50E-07	1.22E-06	1.13E-07	8.82E-08	2.01E-07	5.39E-07	4.03E-07	9.42E-07	8.83E-08	7.82E-08	1.67E-07	6.59E-08	4.00E-08	1.06E-07
3883	562415.07	4234774.27	6.38E-07	5.25E-07	1.16E-06	1.08E-07	8.42E-08	1.92E-07	5.15E-07	3.85E-07	9.00E-07	8.43E-08	7.47E-08	1.59E-07	6.30E-08	3.82E-08	1.01E-07
3884	562414.24	4234783.88	6.08E-07	5.01E-07	1.11E-06	1.03E-07	8.03E-08	1.84E-07	4.91E-07	3.68E-07	8.59E-07	8.04E-08	7.13E-08	1.52E-07	6.01E-08	3.64E-08	9.65E-08
3885	562413.41	4234793.48	5.79E-07	4.77E-07	1.06E-06	9.83E-08	7.65E-08	1.75E-07	4.68E-07	3.50E-07	8.18E-07	7.66E-08	6.79E-08	1.44E-07	5.72E-08	3.47E-08	9.19E-08
3886	562412.58	4234803.08	5.51E-07	4.54E-07	1.00E-06	9.35E-08	7.28E-08	1.66E-07	4.45E-07	3.33E-07	7.78E-07	7.28E-08	6.45E-08	1.37E-07	5.44E-08	3.30E-08	8.74E-08
3887	562381.86	4234693.99	8.06E-07	6.64E-07	1.47E-06	1.37E-07	1.06E-07	2.43E-07	6.51E-07	4.87E-07	1.14E-06	1.07E-07	9.45E-08	2.01E-07	7.96E-08	4.82E-08	1.28E-07
3888	562381.03	4234703.6	7.82E-07	6.44E-07	1.43E-06	1.33E-07	1.03E-07	2.36E-07	6.31E-07	4.72E-07	1.10E-06	1.03E-07	9.16E-08	1.95E-07	7.72E-08	4.68E-08	1.24E-07
3889	562380.2	4234713.2	7.56E-07	6.23E-07	1.38E-06	1.28E-07	9.99E-08	2.28E-07	6.11E-07	4.57E-07	1.07E-06	1.00E-07	8.86E-08	1.89E-07	7.47E-08	4.53E-08	1.20E-07
3890	562379.37	4234722.81	7.31E-07	6.02E-07	1.33E-06	1.24E-07	9.65E-08	2.21E-07	5.90E-07	4.42E-07	1.03E-06	9.66E-08	8.56E-08	1.82E-07	7.22E-08	4.37E-08	1.16E-07
3891	562378.54	4234732.41	7.05E-07	5.80E-07	1.28E-06	1.20E-07	9.31E-08	2.13E-07	5.69E-07	4.26E-07	9.95E-07	9.32E-08	8.26E-08	1.76E-07	6.96E-08	4.22E-08	1.12E-07
3892	562377.71	4234742.02	6.78E-07	5.59E-07	1.24E-06	1.15E-07	8.95E-08	2.05E-07	5.47E-07	4.10E-07	9.57E-07	8.97E-08	7.94E-08	1.69E-07	6.70E-08	4.06E-08	1.08E-07
3893	562376.88	4234751.62	6.51E-07	5.36E-07	1.19E-06	1.10E-07	8.60E-08	1.96E-07	5.26E-07	3.93E-07	9.19E-07	8.61E-08	7.63E-08	1.62E-07	6.43E-08	3.90E-08	1.03E-07
3894	562376.05	4234761.22	6.24E-07	5.14E-07	1.14E-06	1.06E-07	8.24E-08	1.88E-07	5.04E-07	3.77E-07	8.81E-07	8.25E-08	7.31E-08	1.56E-07	6.16E-08	3.74E-08	9.90E-08
3895	562375.22	4234770.83	5.97E-07	4.92E-07	1.09E-06	1.01E-07	7.89E-08	1.80E-07	4.82E-07	3.61E-07	8.43E-07	7.90E-08	7.00E-08	1.49E-07	5.90E-08	3.57E-08	9.47E-08
3896	562374.39	4234780.43	5.71E-07	4.70E-07	1.04E-06	9.68E-08	7.54E-08	1.72E-07	4.61E-07	3.45E-07	8.05E-07	7.54E-08	6.69E-08	1.42E-07	5.63E-08	3.41E-08	9.05E-08
3897	562373.56	4234790.04	5.44E-07	4.48E-07	9.93E-07	9.23E-08	7.19E-08	1.64E-07	4.39E-07	3.29E-07	7.68E-07	7.20E-08	6.38E-08	1.36E-07	5.37E-08	3.26E-08	8.63E-08
3898	562372.73	4234799.64	5.19E-07	4.27E-07	9.46E-07	8.80E-08	6.85E-08	1.56E-07	4.19E-07	3.13E-07	7.32E-07	6.86E-08	6.08E-08	1.29E-07	5.12E-08	3.10E-08	8.22E-08
3899	563065.39	4234868.72	8.69E-06	7.16E-06	1.58E-05	1.47E-06	1.15E-06	2.62E-06	7.01E-06	5.25E-06	1.23E-05	1.15E-06	1.02E-06	2.17E-06	8.58E-07	5.20E-07	1.38E-06
3900	563073.84	4234873.26	9.90E-06	8.15E-06	1.80E-05	1.68E-06	1.31E-06	2.99E-06	7.99E-06	5.98E-06	1.40E-05	1.31E-06	1.16E-06	2.47E-06	9.77E-07	5.92E-07	1.57E-06
3901	563082.29	4234877.81	1.18E-05	9.73E-06	2.15E-05	2.00E-06	1.56E-06	3.56E-06	9.53E-06	7.14E-06	1.67E-05	1.56E-06	1.38E-06	2.95E-06	1.17E-06	7.07E-07	1.87E-06
3902	563090.74	4234882.36	1.46E-05	1.20E-05	2.66E-05	2.47E-06	1.92E-06	4.39E-06	1.18E-05	8.80E-06	2.06E-05	1.93E-06	1.71E-06	3.63E-06	1.44E-06	8.71E-07	2.31E-06

3903	563099.2	4234886.91	1.74E-05	1.43E-05	3.17E-05	2.94E-06	2.29E-06	5.24E-06	1.40E-05	1.05E-05	2.45E-05	2.30E-06	2.03E-06	4.33E-06	1.71E-06	1.04E-06	2.75E-06
3904	563107.65	4234891.46	1.95E-05	1.61E-05	3.55E-05	3.31E-06	2.57E-06	5.88E-06	1.57E-05	1.18E-05	2.75E-05	2.58E-06	2.28E-06	4.86E-06	1.92E-06	1.17E-06	3.09E-06
3905	563116.1	4234896.01	2.09E-05	1.72E-05	3.82E-05	3.55E-06	2.76E-06	6.31E-06	1.69E-05	1.26E-05	2.95E-05	2.77E-06	2.45E-06	5.22E-06	2.07E-06	1.25E-06	3.32E-06
3906	563124.55	4234900.56	2.18E-05	1.80E-05	3.98E-05	3.70E-06	2.88E-06	6.58E-06	1.76E-05	1.32E-05	3.08E-05	2.89E-06	2.56E-06	5.44E-06	2.16E-06	1.31E-06	3.46E-06
3907	563133	4234905.11	2.23E-05	1.84E-05	4.07E-05	3.78E-06	2.94E-06	6.73E-06	1.80E-05	1.35E-05	3.15E-05	2.95E-06	2.61E-06	5.56E-06	2.20E-06	1.33E-06	3.54E-06
3908	563141.45	4234909.66	2.23E-05	1.84E-05	4.08E-05	3.79E-06	2.95E-06	6.74E-06	1.80E-05	1.35E-05	3.15E-05	2.95E-06	2.62E-06	5.57E-06	2.21E-06	1.34E-06	3.54E-06
3909	563149.9	4234914.21	2.20E-05	1.81E-05	4.01E-05	3.73E-06	2.91E-06	6.64E-06	1.78E-05	1.33E-05	3.11E-05	2.91E-06	2.58E-06	5.49E-06	2.17E-06	1.32E-06	3.49E-06
3910	563158.36	4234918.76	2.13E-05	1.75E-05	3.88E-05	3.61E-06	2.81E-06	6.42E-06	1.72E-05	1.29E-05	3.00E-05	2.81E-06	2.49E-06	5.30E-06	2.10E-06	1.27E-06	3.37E-06
3911	563166.81	4234923.31	2.02E-05	1.67E-05	3.69E-05	3.43E-06	2.67E-06	6.10E-06	1.63E-05	1.22E-05	2.86E-05	2.67E-06	2.37E-06	5.04E-06	2.00E-06	1.21E-06	3.21E-06
3912	563175.26	4234927.86	1.90E-05	1.57E-05	3.47E-05	3.23E-06	2.51E-06	5.74E-06	1.54E-05	1.15E-05	2.69E-05	2.52E-06	2.23E-06	4.75E-06	1.88E-06	1.14E-06	3.02E-06
3913	563183.71	4234932.41	1.76E-05	1.45E-05	3.22E-05	2.99E-06	2.33E-06	5.32E-06	1.42E-05	1.07E-05	2.49E-05	2.33E-06	2.07E-06	4.40E-06	1.74E-06	1.06E-06	2.80E-06
3914	563192.16	4234936.96	1.61E-05	1.32E-05	2.93E-05	2.72E-06	2.12E-06	4.84E-06	1.30E-05	9.70E-06	2.27E-05	2.12E-06	1.88E-06	4.00E-06	1.59E-06	9.61E-07	2.55E-06
3915	563200.61	4234941.51	1.43E-05	1.18E-05	2.61E-05	2.43E-06	1.89E-06	4.32E-06	1.15E-05	8.64E-06	2.02E-05	1.89E-06	1.68E-06	3.57E-06	1.41E-06	8.56E-07	2.27E-06
3916	563209.06	4234946.06	1.25E-05	1.03E-05	2.29E-05	2.13E-06	1.66E-06	3.78E-06	1.01E-05	7.58E-06	1.77E-05	1.66E-06	1.47E-06	3.13E-06	1.24E-06	7.50E-07	1.99E-06
3917	563217.52	4234950.61	1.09E-05	8.97E-06	1.99E-05	1.85E-06	1.44E-06	3.29E-06	8.80E-06	6.58E-06	1.54E-05	1.44E-06	1.28E-06	2.72E-06	1.08E-06	6.52E-07	1.73E-06
3918	563225.97	4234955.16	9.45E-06	7.79E-06	1.72E-05	1.60E-06	1.25E-06	2.85E-06	7.63E-06	5.71E-06	1.33E-05	1.25E-06	1.11E-06	2.36E-06	9.33E-07	5.66E-07	1.50E-06
3919	563234.42	4234959.71	8.22E-06	6.77E-06	1.50E-05	1.39E-06	1.09E-06	2.48E-06	6.64E-06	4.97E-06	1.16E-05	1.09E-06	9.63E-07	2.05E-06	8.12E-07	4.92E-07	1.30E-06
3920	563242.87	4234964.26	7.19E-06	5.92E-06	1.31E-05	1.22E-06	9.49E-07	2.17E-06	5.80E-06	4.34E-06	1.01E-05	9.51E-07	8.42E-07	1.79E-06	7.10E-07	4.30E-07	1.14E-06
3921	563056.59	4234873.47	6.95E-06	5.73E-06	1.27E-05	1.18E-06	9.18E-07	2.10E-06	5.61E-06	4.20E-06	9.81E-06	9.19E-07	8.15E-07	1.73E-06	6.87E-07	4.16E-07	1.10E-06
3922	563069.1	4234882.07	8.07E-06	6.65E-06	1.47E-05	1.37E-06	1.07E-06	2.43E-06	6.51E-06	4.87E-06	1.14E-05	1.07E-06	9.45E-07	2.01E-06	7.97E-07	4.83E-07	1.28E-06
3923	563077.55	4234886.62	9.38E-06	7.73E-06	1.71E-05	1.59E-06	1.24E-06	2.83E-06	7.57E-06	5.67E-06	1.32E-05	1.24E-06	1.10E-06	2.34E-06	9.27E-07	5.62E-07	1.49E-06
3924	563086	4234891.17	1.11E-05	9.18E-06	2.03E-05	1.89E-06	1.47E-06	3.36E-06	8.99E-06	6.73E-06	1.57E-05	1.47E-06	1.31E-06	2.78E-06	1.10E-06	6.67E-07	1.77E-06
3925	563094.46	4234895.72	1.31E-05	1.08E-05	2.38E-05	2.21E-06	1.72E-06	3.94E-06	1.05E-05	7.89E-06	1.84E-05	1.73E-06	1.53E-06	3.26E-06	1.29E-06	7.81E-07	2.07E-06
3926	563102.91	4234900.27	1.48E-05	1.22E-05	2.69E-05	2.50E-06	1.95E-06	4.45E-06	1.19E-05	8.92E-06	2.08E-05	1.95E-06	1.73E-06	3.68E-06	1.46E-06	8.83E-07	2.34E-06
3927	563111.36	4234904.82	1.61E-05	1.33E-05	2.94E-05	2.73E-06	2.13E-06	4.86E-06	1.30E-05	9.73E-06	2.27E-05	2.13E-06	1.89E-06	4.02E-06	1.59E-06	9.64E-07	2.55E-06
3928	563119.81	4234909.37	1.71E-05	1.41E-05	3.12E-05	2.90E-06	2.26E-06	5.16E-06	1.38E-05	1.03E-05	2.41E-05	2.26E-06	2.00E-06	4.26E-06	1.69E-06	1.02E-06	2.71E-06
3929	563128.26	4234913.92	1.77E-05	1.46E-05	3.23E-05	3.01E-06	2.34E-06	5.35E-06	1.43E-05	1.07E-05	2.50E-05	2.34E-06	2.08E-06	4.42E-06	1.75E-06	1.06E-06	2.81E-06
3930	563136.71	4234918.47	1.80E-05	1.49E-05	3.29E-05	3.06E-06	2.38E-06	5.44E-06	1.46E-05	1.09E-05	2.55E-05	2.38E-06	2.11E-06	4.50E-06	1.78E-06	1.08E-06	2.86E-06
3931	563145.16	4234923.02	1.80E-05	1.49E-05	3.29E-05	3.06E-06	2.38E-06	5.44E-06	1.46E-05	1.09E-05	2.55E-05	2.38E-06	2.11E-06	4.50E-06	1.78E-06	1.08E-06	2.86E-06
3932	563153.62	4234927.57	1.76E-05	1.45E-05	3.21E-05	2.99E-06	2.33E-06	5.31E-06	1.42E-05	1.06E-05	2.49E-05	2.33E-06	2.06E-06	4.39E-06	1.74E-06	1.05E-06	2.79E-06
3933	563162.07	4234932.11	1.70E-05	1.40E-05	3.11E-05	2.89E-06	2.25E-06	5.14E-06	1.37E-05	1.03E-05	2.40E-05	2.25E-06	2.00E-06	4.25E-06	1.68E-06	1.02E-06	2.70E-06
3934	563170.52	4234936.66	1.63E-05	1.34E-05	2.97E-05	2.76E-06	2.15E-06	4.91E-06	1.31E-05	9.83E-06	2.30E-05	2.15E-06	1.91E-06	4.06E-06	1.61E-06	9.74E-07	2.58E-06
3935	563178.97	4234941.21	1.53E-05	1.26E-05	2.80E-05	2.60E-06	2.02E-06	4.63E-06	1.24E-05	9.26E-06	2.16E-05	2.03E-06	1.80E-06	3.82E-06	1.51E-06	9.17E-07	2.43E-06
3936	563187.42	4234945.76	1.42E-05	1.17E-05	2.59E-05	2.41E-06	1.87E-06	4.28E-06	1.15E-05	8.58E-06	2.00E-05	1.88E-06	1.66E-06	3.54E-06	1.40E-06	8.49E-07	2.25E-06
3937	563195.87	4234950.31	1.29E-05	1.06E-05	2.35E-05	2.19E-06	1.70E-06	3.90E-06	1.04E-05	7.80E-06	1.82E-05	1.71E-06	1.51E-06	3.22E-06	1.27E-06	7.73E-07	2.05E-06
3938	563204.32	4234954.86	1.16E-05	9.53E-06	2.11E-05	1.96E-06	1.53E-06	3.49E-06	9.34E-06	6.99E-06	1.63E-05	1.53E-06	1.36E-06	2.89E-06	1.14E-06	6.92E-07	1.83E-06
3939	563212.78	4234959.41	1.03E-05	8.45E-06	1.87E-05	1.74E-06	1.35E-06	3.10E-06	8.28E-06	6.20E-06	1.45E-05	1.36E-06	1.20E-06	2.56E-06	1.01E-06	6.14E-07	1.63E-06
3940	563221.23	4234963.96	9.05E-06	7.46E-06	1.65E-05	1.54E-06	1.20E-06	2.73E-06	7.31E-06	5.47E-06	1.28E-05	1.20E-06	1.06E-06	2.26E-06	8.94E-07	5.42E-07	1.44E-06
3941	563229.68	4234968.51	7.98E-06	6.57E-06	1.46E-05	1.35E-06	1.05E-06	2.41E-06	6.44E-06	4.82E-06	1.13E-05	1.06E-06	9.35E-07	1.99E-06	7.88E-07	4.78E-07	1.27E-06
3942	563238.13	4234973.06	7.06E-06	5.82E-06	1.29E-05	1.20E-06	9.32E-07	2.13E-06	5.70E-06	4.27E-06	9.97E-06	9.33E-07	8.27E-07	1.76E-06	6.97E-07	4.22E-07	1.12E-06
3943	563049.82	4234880.25	5.76E-06	4.74E-06	1.05E-05	9.77E-07	7.61E-07	1.74E-06	4.65E-06	3.48E-06	8.13E-06	7.62E-07	6.75E-07	1.44E-06	5.69E-07	3.45E-07	9.13E-07
3944	563064.36	4234890.88	6.76E-06	5.57E-06	1.23E-05	1.15E-06	8.92E-07	2.04E-06	5.46E-06	4.08E-06	9.54E-06	8.94E-07	7.92E-07	1.69E-06	6.67E-07	4.04E-07	1.07E-06
3945	563072.81	4234895.42	7.75E-06	6.38E-06	1.41E-05	1.31E-06	1.02E-06	2.34E-06	6.26E-06	4.68E-06	1.09E-05	1.02E-06	9.08E-07	1.93E-06	7.65E-07	4.64E-07	1.23E-06
3946	563081.26	4234899.97	9.00E-06	7.42E-06	1.64E-05	1.53E-06	1.19E-06	2.72E-06	7.27E-06	5.44E-06	1.27E-05	1.19E-06	1.06E-06	2.25E-06	8.89E-07	5.39E-07	1.43E-06
3947	563089.72	4234904.52	1.04E-05	8.57E-06	1.90E-05	1.76E-06	1.37E-06	3.14E-06	8.40E-06	6.28E-06	1.47E-05	1.38E-06	1.22E-06	2.59E-06	1.03E-06	6.22E-07	1.65E-06
3948	563098.17	4234909.07	1.17E-05	9.68E-06	2.14E-05	1.99E-06	1.55E-06	3.54E-06	9.48E-06	7.10E-06	1.66E-05	1.55E-06	1.38E-06	2.93E-06	1.16E-06	7.03E-07	1.86E-06
3949	563106.62	4234913.62	1.29E-05	1.06E-05	2.36E-05	2.19E-06	1.71E-06	3.90E-06	1.04E-05	7.81E-06	1.82E-05	1.71E-06	1.51E-06	3.22E-06	1.28E-06	7.73E-07	2.05E-06
3950	563115.07	4234918.17	1.39E-05	1.14E-05	2.53E-05	2.35E-06	1.83E-06	4.18E-06	1.12E-05	8.37E-06	1.96E-05	1.83E-06	1.62E-06	3.46E-06	1.37E-06	8.29E-07	2.20E-06
3951	563123.52	4234922.72	1.45E-05	1.20E-05	2.65E-05	2.47E-06	1.92E-06	4.39E-06	1.17E-05	8.78E-06	2.05E-05	1.92E-06	1.70E-06	3.63E-06	1.44E-06	8.70E-07	2.31E-06
3952	563131.97	4234927.27	1.50E-05	1.23E-05	2.73E-05	2.54E-06	1.98E-06	4.51E-06	1.21E-05	9.04E-06	2.11E-05	1.98E-06	1.75E-06	3.73E-06	1.48E-06	8.95E-07	2.37E-06
3953	563140.42	4234931.82	1.51E-05	1.24E-05	2.75E-05	2.56E-06	1.99E-06	4.56E-06	1.22E-05	9.13E-06	2.13E-05	2.00E-06	1.77E-06	3.77E-06	1.49E-06	9.04E-07	2.40E-06
3954	563148.88	4234936.37	1.49E-05	1.23E-05	2.72E-05	2.53E-06	1.97E-06	4.50E-06	1.20E-05	9.01E-06	2.10E-05	1.97E-06	1.75E-06	3.72E-06	1.47E-06	8.92E-07	2.36E-06
3955	563157.33	4234940.92	1.46E-05	1.20E-05	2.66E-05	2.47E-06	1.93E-06	4.40E-06	1.18E-05	8.81E-06	2.06E-05	1.93E-06	1.71E-06	3.64E-06	1.44E-06	8.73E-07	2.31E-06
3956	563165.78	4234945.47	1.41E-05	1.16E-05	2.58E-05	2.40E-06	1.86E-06	4.26E-06	1.14E-05	8.53E-06	1.99E-05	1.87E-06	1.65E-06	3.52E-06	1.39E-06	8.45E-07	2.24E-06
3957	563174.23	4234950.02	1.35E-05	1.11E-05	2.46E-05	2.29E-06	1.78E-06	4.06E-06	1.09E-05	8.14E-06	1.90E-05	1.78E-06	1.58E-06	3.36E-06	1.33E-06	8.06E-07	2.14E-06
3958	563182.68	4234954.57	1.26E-05	1.04E-05	2.31E-05	2.15E-06	1.67E-06	3.82E-06	1.02E-05	7.64E-06	1.78E-05	1.67E-06	1.48E-06	3.15E-06	1.25E-06	7.57E-07	2.01E-06
3959	563191.13	4234959.12	1.17E-05	9.63E-06	2.13E-05	1.98E-06	1.54E-06	3.53E-06	9.44E-06	7.06E-06	1.65E-05	1.55E-06	1.37E-06	2.91E-06	1.15E-06	6.99E-07	1.85E-06
3960	563199.58	4234963.67	1.07E-05	8.78E-06	1.94E-05	1.81E-06	1.41E-06	3.21E-06	8.60E-06	6.44E-06	1.50E-05	1.41E-06	1.25E-06	2.66E-06	1.05E-06	6.38E-07	1.69E-06
3961	563208.04	4234968.22	9.61E-06	7.91E-06	1.75E-05	1.63E-06	1.27E-06	2.90E-06	7.76E-06	5.81E-06	1.36E-05	1.27E-06	1.13E-06	2.40E-06	9.49E-07	5.75E-07	1.52E-06
3962	563216.49	4234972.77	8.60E-06	7.09E-06	1.57E-05	1.46E-06	1.14E-06	2.60E-06	6.95E-06	5.20E-06	1.21E-05	1.14E-06	1.01E-06	2.15E-06	8.50E-07	5.15E-07	1.36E-06
3963	563224.94	4234977.32	7.69E-06	6.34E-06	1.40E-05	1.30E-06	1.02E-06	2.32E-06	6.21E-06	4.65E-06	1.09E-05	1.02E-06	9.01E-07	1.92E-06	7.59E-07	4.60E-07	1.22E-06
3964	563233.39	4234981.87	6.87E-06	5.66E-06	1.25E-05	1.17E-06	9.08E-07	2.07E-06	5.55E-06	4.15E-06	9.70E-06	9.09E-07	8.05E-07	1.71E-06	6.79E-07	4.11E-07	1.09E-06
3965	563045.76	4234889.73	4.93E-06	4.06E-06	8.99E-06	8.37E-07	6.51E-07	1.49E-06	3.98E-06	2.98E-06	6.96E-06	6.52E-07	5.78E-07	1.23E-06	4.87E-07	2.95E-07	7.82E-07
3966	563033.39	4234871.44	4.85E-06	3.99E-06	8.84E-06	8.22E-07	6.40E-07	1.46E-06	3.91E-06	2.93E-06	6.84E-06	6.41E-07	5.68E-07	1.21E-06	4.79E-07	2.90E-07	7.69E-07
3967	563059.62	4234899.68	5.80E-06	4.78E-06	1.06E-05	9.84E-07	7.66E-07	1.75E-06	4.68E-06	3.50E-06	8.18E-06	7.67E-07	6.79E-07	1.45E-06	5.72E-07	3.47E-07	9.19E-07
3968	563068.07	4234904.23	6.58E-06	5.42E-06	1.20E-05	1.12E-06	8.69E-07	1.99E-06	5.31E-06	3.98E-06	9.29E-06	8.70E-07	7.71E-07	1.64E-06	6.50E-07	3.94E-07	1.04E-06
3969	563076.52	4234908.78	7.54E-06	6.21E-06	1.37E-05	1.28E-06	9.95E-07	2.27E-06	6.08E-06	4.55E-06	1.06E-05	9.97E-07	8.83E-07	1.88E-06	7.44E-07	4.51E-07	1.20E-06
3970	563084.98	4234913.33	8.61E-06	7.09E-06	1.57E-05	1.46E-06	1.14E-06	2.60E-06	6.95E-06	5.20E-06	1.21E-05	1.14E-06	1.01E-06	2.15E-06	8.50E-07	5.15E-07	1.36E-06
3971	563093.43	4234917.88	9.68E-06	7.98E-06	1.77E-05	1.64E-06	1.28E-06	2.92E-06	7.82E-06	5.85E-06	1.37E-05	1.28E-06	1.13E-06	2.42E-06	9.56E-07	5.80E-07	1.54E-06
3972	563101.88	4234922.43	1.07E-05	8.80E-06	1.95E-05	1.81E-06	1.41E-06	3.22E-06	8.62E-06	6.45E-06	1.51E-05	1.41E-06	1.25E-06	2.66E-06	1.05E-06	6.39E-07	1.69E-06
3973	563110.33	4234926.98	1.15E-05	9.49E-06	2.10E-05	1.96E-06	1.52E-06	3.48E-06	9.30E-06	6.96E-06	1.63E-05	1.52E-06	1.35E-06	2.87E-06	1.14E-06	6.90E-07	1.83E-06
3974	563118.78	4234931.53	1.22E-05	1.00E-05	2.22E-05	2.07E-06	1.61E-06	3.68E-06	9.84E-06	7.37E-06	1.72E-05	1.61E-06	1.43E-06	3.04E-06	1.20E-06	7.29E-07	1.93E-06
3975	563127.23	4234936.08	1.27E-05	1.04E-05	2.31E-05	2.15E-06	1.67E-06	3.82E-06	1.02E-05	7.65E-06	1.79E-05	1.67E-06	1.48E-06	3.16E-06	1.25E-06	7.57E-07	2.01E-06
3976	563135.68	4234940.63	1.29E-05	1.06E-05	2.35E-05	2.19E-06	1.70E-06	3.89E-06	1.04E-05	7.78E-06	1.82E-05	1.70E-06	1.51E-06	3.21E-06	1.27E-06	7.71E-07	2.04E-06
3977	563144.14	4234945.18	1.29E-05	1.06E-05	2.34E-05	2.18E-06	1.70E-06	3.88E-06	1.04E-05	7.77E-06	1.81E-05	1.70E-06	1.51E-06	3.21E-06	1.27E-06	7.69E-07	2.04E-06
3978	563152.59	4234949.73	1.27E-05	1.04E-05	2.31E-05	2.15E-06	1.67E-06	3.83E-06	1.02E-05	7.66E-06	1.79E-05	1.68E-06	1.49E-06	3.16E-06	1.25E-06	7.59E-07	2.01E-06
3979	563161.04	4234954.27	1.24E-05	1.02E-05	2.26E-05	2.10E-06	1.64E-06	3.74E-06	1.00E-05	7.49E-06	1.75E-05	1.64E-06	1.45E-06	3.09E-06	1.22E-06	7.41E-07	1.96E-06
3980	563169.49	4234958.82	1.19E-05	9.83E-06	2.18E-05	2.03E-06	1.58E-06	3.60E-06	9.64E-06	7.21E-06	1.68E-05	1.58E-06	1.40E-06	2.98E-06	1.18E-06	7.14E-07	1.89E-06
3981	563177.94	4234963.37	1.13E-05	9.34E-06	2.07E-05	1.92E-06	1.50E-06	3.42E-06	9.15E-06	6.85E-06	1.60E-05	1.50E-06	1.33E-06	2.83E-06	1.12E-06	6.78E-07	1.80E-06
3982	563186.39	4234967.92	1.06E-05	8.74E-06	1.94E-05	1.80E-06	1.40E-06	3.20E-06	8.57E-06	6.41E-06	1.50E-05	1.40E-06	1.24E-06	2.65E-06	1.05E-06	6.35E-07	1.68E-06
3983	563194.84	4234972.47	9.81E-06	8.08E-06	1.79E-05	1.66E-06	1.30E-06	2.96E-06	7.92E-06	5.93E-06	1.38E-05	1.30E-06	1.15E-06	2.45E-06	9.69E-07	5.87E-07	1.56E-06
3984	563203.3	4234977.02	8.97E-06	7.39E-06	1.64E-05	1.52E-06	1.18E-06	2.71E-06	7.24E-06	5.42E-06	1.27E-05	1.19E-06	1.05E-06	2.24E-06	8.86E-07	5.37E-07	1.42E-06
3985	563211.75	4234981.57	8.14E-06	6.70E-06	1.48E-05	1.38E-06	1.07E-06	2.46E-06	6.57E-06	4.92E-06	1.15E-05	1.08E-06	9.54E-07	2.03E-06	8.04E-07	4.87E-07	1.29E-06
3986	563220.2	4234986.12	7.36E-06	6.06E-06	1.34E-05	1.25E-06	9.72E-07	2.22E-06	5.94E-06	4.45E-06	1.04E-05	9.73E-07	8.62E-07	1.84E-06	7.27E-07	4.40E-07	1.17E-06
3987	563228.65	4234990.67	6.65E-06	5.48E-06	1.21E-05	1.13E-06	8.78E-07	2.01E-06	5.37E-06	4.02E-06	9.38E-06	8.79E-07	7.79E-07	1.66E-06	6.56E-07	3.98E-07	1.05E-06
3988	563039.67	4234897.18	4.23E-06	3.49E-06	7.72E-06	7.18E-07	5.59E-07	1.28E-06	3.42E-06	2.56E-06	5.97E-06	5.60E-07	4.96E-07	1.06E-06	4.18E-07	2.53E-07	6.71E-07
3989	563032.9	4234890.43	4.03E-06	3.32E-06	7.34E-06	6.83E-07	5.32E-07	1.21E-06	3.25E-06	2.43E-06	5.68E-06	5.32E-07	4.72E-07	1.00E-06	3.98E-07	2.41E-07	6.39E-07
3990	563024.2	4234874.32	4.20E-06	3.46E-06	7.66E-06	7.12E-07	5.55E-07	1.27E-06	3.39E-06	2.54E-06	5.93E-06	5.55E-07	4.92E-07	1.05E-06	4.15E-07	2.51E-07	6.66E-07
3991	563022.26	4234864.96	4.54E-06	3.74E-06	8.28E-06	7.70E-07	6.00E-07	1.37E-06	3.67E-06	2.74E-06	6.41E-06	6.00E-07	5.32E-07	1.13E-06	4.48E-07	2.72E-07	7.20E-07
3992	563046.43	4234903.94	4.52E-06	3.72E-06	8.24E-06	7.66E-07	5.97E-07	1.36E-06	3.65E-06	2.73E-06	6.38E-06	5.97E-07	5.29E-07	1.13E-06	4.46E-07	2.70E-07	7.16E-07
3993	563054.88	4234908.49	5.06E-06	4.17E-06	9.24E-06	8.59E-07	6.69E-07	1.53E-06	4.09E-06	3.06E-06	7.15E-06	6.70E-07	5.93E-07	1.26E-06	5.00E-07	3.03E-07	8.03E-07
3994	563063.33	4234913.04	5.70E-06	4.70E-06	1.04E-05	9.67E-07	7.53E-07	1.72E-06	4.60E-06	3.45E-06	8.05E-06	7.54E-07	6.68E-07	1.42E-06	5.63E-07	3.41E-07	9.04E-07
3995	563071.78	4234917.58	6.46E-06	5.32E-06	1.18E-05	1.10E-06	8.54E-07	1.95E-06	5.22E-06	3.91E-06	9.12E-06	8.55E-07	7.57E-07	1.61E-06	6.38E-07	3.87E-07	1.03E-06

3996	563080.24	4234922.13	7.31E-06	6.03E-06	1.33E-05	1.24E-06	9.66E-07	2.21E-06	5.91E-06	4.42E-06	1.03E-05	9.67E-07	8.57E-07	1.82E-06	7.22E-07	4.38E-07	1.16E-06
3997	563088.69	4234926.68	8.19E-06	6.75E-06	1.49E-05	1.39E-06	1.08E-06	2.47E-06	6.61E-06	4.95E-06	1.16E-05	1.08E-06	9.60E-07	2.04E-06	8.09E-07	4.90E-07	1.30E-06
3998	563097.14	4234931.23	9.03E-06	7.44E-06	1.65E-05	1.53E-06	1.19E-06	2.72E-06	7.29E-06	5.46E-06	1.27E-05	1.19E-06	1.06E-06	2.25E-06	8.92E-07	5.40E-07	1.43E-06
3999	563105.59	4234935.78	9.77E-06	8.05E-06	1.78E-05	1.66E-06	1.29E-06	2.95E-06	7.89E-06	5.91E-06	1.38E-05	1.29E-06	1.15E-06	2.44E-06	9.65E-07	5.85E-07	1.55E-06
4000	563114.04	4234940.33	1.04E-05	8.56E-06	1.90E-05	1.76E-06	1.37E-06	3.14E-06	8.39E-06	6.28E-06	1.47E-05	1.37E-06	1.22E-06	2.59E-06	1.03E-06	6.22E-07	1.65E-06
4001	563122.49	4234944.88	1.09E-05	8.94E-06	1.98E-05	1.84E-06	1.43E-06	3.28E-06	8.76E-06	6.56E-06	1.53E-05	1.44E-06	1.27E-06	2.71E-06	1.07E-06	6.50E-07	1.72E-06
4002	563130.94	4234949.43	1.11E-05	9.15E-06	2.03E-05	1.88E-06	1.47E-06	3.35E-06	8.97E-06	6.71E-06	1.57E-05	1.47E-06	1.30E-06	2.77E-06	1.10E-06	6.65E-07	1.76E-06
4003	563139.4	4234953.98	1.12E-05	9.21E-06	2.04E-05	1.90E-06	1.48E-06	3.37E-06	9.03E-06	6.76E-06	1.58E-05	1.48E-06	1.31E-06	2.79E-06	1.10E-06	6.69E-07	1.77E-06
4004	563147.85	4234958.53	1.11E-05	9.17E-06	2.03E-05	1.89E-06	1.47E-06	3.36E-06	8.99E-06	6.73E-06	1.57E-05	1.47E-06	1.30E-06	2.78E-06	1.10E-06	6.66E-07	1.77E-06
4005	563156.3	4234963.08	1.10E-05	9.03E-06	2.00E-05	1.86E-06	1.45E-06	3.31E-06	8.85E-06	6.62E-06	1.55E-05	1.45E-06	1.28E-06	2.73E-06	1.08E-06	6.56E-07	1.74E-06
4006	563164.75	4234967.63	1.06E-05	8.77E-06	1.94E-05	1.81E-06	1.41E-06	3.21E-06	8.60E-06	6.43E-06	1.50E-05	1.41E-06	1.25E-06	2.66E-06	1.05E-06	6.37E-07	1.69E-06
4007	563173.2	4234972.18	1.02E-05	8.41E-06	1.86E-05	1.73E-06	1.35E-06	3.08E-06	8.24E-06	6.17E-06	1.44E-05	1.35E-06	1.20E-06	2.55E-06	1.01E-06	6.11E-07	1.62E-06
4008	563181.65	4234976.73	9.66E-06	7.96E-06	1.76E-05	1.64E-06	1.28E-06	2.92E-06	7.80E-06	5.84E-06	1.36E-05	1.28E-06	1.13E-06	2.41E-06	9.54E-07	5.78E-07	1.53E-06
4009	563190.1	4234981.28	9.04E-06	7.44E-06	1.65E-05	1.53E-06	1.19E-06	2.73E-06	7.30E-06	5.46E-06	1.28E-05	1.19E-06	1.06E-06	2.25E-06	8.92E-07	5.41E-07	1.43E-06
4010	563198.56	4234985.83	8.36E-06	6.89E-06	1.53E-05	1.42E-06	1.10E-06	2.52E-06	6.75E-06	5.05E-06	1.18E-05	1.11E-06	9.80E-07	2.09E-06	8.26E-07	5.00E-07	1.33E-06
4011	563207.01	4234990.38	7.67E-06	6.32E-06	1.40E-05	1.30E-06	1.01E-06	2.32E-06	6.20E-06	4.64E-06	1.08E-05	1.01E-06	8.99E-07	1.91E-06	7.58E-07	4.59E-07	1.22E-06
4012	563215.46	4234994.93	7.01E-06	5.77E-06	1.28E-05	1.19E-06	9.25E-07	2.11E-06	5.66E-06	4.23E-06	9.89E-06	9.26E-07	8.21E-07	1.75E-06	6.92E-07	4.19E-07	1.11E-06
4013	563223.91	4234999.48	6.38E-06	5.26E-06	1.16E-05	1.08E-06	8.43E-07	1.93E-06	5.15E-06	3.86E-06	9.01E-06	8.44E-07	7.48E-07	1.59E-06	6.30E-07	3.82E-07	1.01E-06
4014	563035.6	4234906.66	3.75E-06	3.09E-06	6.84E-06	6.37E-07	4.96E-07	1.13E-06	3.03E-06	2.27E-06	5.30E-06	4.96E-07	4.40E-07	9.36E-07	3.71E-07	2.25E-07	5.95E-07
4015	563023.43	4234894.51	3.48E-06	2.87E-06	6.35E-06	5.91E-07	4.60E-07	1.05E-06	2.81E-06	2.10E-06	4.91E-06	4.60E-07	4.08E-07	8.68E-07	3.44E-07	2.08E-07	5.52E-07
4016	563015.6	4234880.01	3.60E-06	2.97E-06	6.57E-06	6.12E-07	4.76E-07	1.09E-06	2.91E-06	2.18E-06	5.09E-06	4.77E-07	4.22E-07	8.99E-07	3.56E-07	2.16E-07	5.72E-07
4017	563050.14	4234917.29	4.44E-06	3.66E-06	8.09E-06	7.53E-07	5.86E-07	1.34E-06	3.58E-06	2.68E-06	6.26E-06	5.87E-07	5.20E-07	1.11E-06	4.38E-07	2.66E-07	7.04E-07
4018	563058.59	4234921.84	4.98E-06	4.10E-06	9.07E-06	8.44E-07	6.57E-07	1.50E-06	4.02E-06	3.01E-06	7.02E-06	6.58E-07	5.83E-07	1.24E-06	4.91E-07	2.98E-07	7.89E-07
4019	563067.04	4234926.39	5.59E-06	4.61E-06	1.02E-05	9.49E-07	7.39E-07	1.69E-06	4.52E-06	3.38E-06	7.90E-06	7.40E-07	6.56E-07	1.40E-06	5.53E-07	3.35E-07	8.87E-07
4020	563075.5	4234930.94	6.31E-06	5.20E-06	1.15E-05	1.07E-06	8.34E-07	1.90E-06	5.10E-06	3.81E-06	8.91E-06	8.35E-07	7.40E-07	1.57E-06	6.23E-07	3.78E-07	1.00E-06
4021	563083.95	4234935.49	7.06E-06	5.82E-06	1.29E-05	1.20E-06	9.32E-07	2.13E-06	5.70E-06	4.27E-06	9.97E-06	9.34E-07	8.27E-07	1.76E-06	6.97E-07	4.23E-07	1.12E-06
4022	563092.4	4234940.04	7.77E-06	6.40E-06	1.42E-05	1.32E-06	1.03E-06	2.34E-06	6.27E-06	4.69E-06	1.10E-05	1.03E-06	9.10E-07	1.94E-06	7.67E-07	4.65E-07	1.23E-06
4023	563100.85	4234944.59	8.42E-06	6.94E-06	1.54E-05	1.43E-06	1.11E-06	2.54E-06	6.80E-06	5.09E-06	1.19E-05	1.11E-06	9.87E-07	2.10E-06	8.32E-07	5.04E-07	1.34E-06
4024	563109.3	4234949.14	8.97E-06	7.39E-06	1.64E-05	1.52E-06	1.18E-06	2.71E-06	7.24E-06	5.42E-06	1.27E-05	1.19E-06	1.05E-06	2.24E-06	8.86E-07	5.37E-07	1.42E-06
4025	563117.75	4234953.69	9.37E-06	7.72E-06	1.71E-05	1.59E-06	1.24E-06	2.83E-06	7.57E-06	5.67E-06	1.32E-05	1.24E-06	1.10E-06	2.34E-06	9.26E-07	5.61E-07	1.49E-06
4026	563126.2	4234958.24	9.65E-06	7.95E-06	1.76E-05	1.64E-06	1.27E-06	2.91E-06	7.79E-06	5.83E-06	1.36E-05	1.28E-06	1.13E-06	2.41E-06	9.53E-07	5.77E-07	1.53E-06
4027	563134.66	4234962.79	9.79E-06	8.07E-06	1.79E-05	1.66E-06	1.29E-06	2.95E-06	7.91E-06	5.92E-06	1.38E-05	1.29E-06	1.15E-06	2.44E-06	9.67E-07	5.86E-07	1.55E-06
4028	563143.11	4234967.34	9.83E-06	8.10E-06	1.79E-05	1.67E-06	1.30E-06	2.97E-06	7.94E-06	5.94E-06	1.39E-05	1.30E-06	1.15E-06	2.45E-06	9.71E-07	5.88E-07	1.56E-06
4029	563151.56	4234971.89	9.75E-06	8.03E-06	1.78E-05	1.65E-06	1.29E-06	2.94E-06	7.87E-06	5.89E-06	1.38E-05	1.29E-06	1.14E-06	2.43E-06	9.63E-07	5.84E-07	1.55E-06
4030	563160.01	4234976.43	9.55E-06	7.87E-06	1.74E-05	1.62E-06	1.26E-06	2.88E-06	7.71E-06	5.77E-06	1.35E-05	1.26E-06	1.12E-06	2.38E-06	9.43E-07	5.72E-07	1.52E-06
4031	563168.46	4234980.98	9.24E-06	7.61E-06	1.68E-05	1.57E-06	1.22E-06	2.79E-06	7.46E-06	5.58E-06	1.30E-05	1.22E-06	1.08E-06	2.30E-06	9.12E-07	5.53E-07	1.47E-06
4032	563176.91	4234985.53	8.82E-06	7.27E-06	1.61E-05	1.50E-06	1.17E-06	2.66E-06	7.12E-06	5.33E-06	1.25E-05	1.17E-06	1.03E-06	2.20E-06	8.71E-07	5.28E-07	1.40E-06
4033	563185.36	4234990.08	8.33E-06	6.87E-06	1.52E-05	1.41E-06	1.10E-06	2.51E-06	6.73E-06	5.04E-06	1.18E-05	1.10E-06	9.76E-07	2.08E-06	8.23E-07	4.99E-07	1.32E-06
4034	563193.82	4234994.63	7.79E-06	6.42E-06	1.42E-05	1.32E-06	1.03E-06	2.35E-06	6.29E-06	4.71E-06	1.10E-05	1.03E-06	9.13E-07	1.94E-06	7.69E-07	4.66E-07	1.24E-06
4035	563202.27	4234999.18	7.22E-06	5.95E-06	1.32E-05	1.23E-06	9.54E-07	2.18E-06	5.83E-06	4.36E-06	1.02E-05	9.55E-07	8.46E-07	1.80E-06	7.13E-07	4.32E-07	1.15E-06
4036	563210.72	4235003.73	6.65E-06	5.48E-06	1.21E-05	1.13E-06	8.78E-07	2.01E-06	5.37E-06	4.02E-06	9.39E-06	8.80E-07	7.79E-07	1.66E-06	6.57E-07	3.98E-07	1.05E-06
4037	563219.17	4235008.28	6.11E-06	5.03E-06	1.11E-05	1.04E-06	8.06E-07	1.84E-06	4.93E-06	3.69E-06	8.62E-06	8.07E-07	7.15E-07	1.52E-06	6.03E-07	3.65E-07	9.68E-07
4038	563031.27	4234915.87	3.38E-06	2.78E-06	6.16E-06	5.73E-07	4.46E-07	1.02E-06	2.73E-06	2.04E-06	4.77E-06	4.47E-07	3.96E-07	8.43E-07	3.34E-07	2.02E-07	5.36E-07
4039	563019.91	4234904.53	3.13E-06	2.58E-06	5.71E-06	5.31E-07	4.13E-07	9.44E-07	2.53E-06	1.89E-06	4.42E-06	4.14E-07	3.67E-07	7.80E-07	3.09E-07	1.87E-07	4.96E-07
4040	563006.91	4234885.33	3.14E-06	2.59E-06	5.72E-06	5.33E-07	4.15E-07	9.47E-07	2.53E-06	1.90E-06	4.43E-06	4.15E-07	3.68E-07	7.83E-07	3.10E-07	1.88E-07	4.98E-07
4041	563003.65	4234869.6	3.53E-06	2.91E-06	6.44E-06	5.99E-07	4.67E-07	1.07E-06	2.85E-06	2.14E-06	4.99E-06	4.67E-07	4.14E-07	8.81E-07	3.49E-07	2.11E-07	5.60E-07
4042	563045.4	4234926.1	3.94E-06	3.25E-06	7.19E-06	6.69E-07	5.21E-07	1.19E-06	3.18E-06	2.38E-06	5.57E-06	5.21E-07	4.62E-07	9.83E-07	3.89E-07	2.36E-07	6.25E-07
4043	563053.85	4234930.65	4.38E-06	3.61E-06	7.99E-06	7.44E-07	5.79E-07	1.32E-06	3.54E-06	2.65E-06	6.19E-06	5.80E-07	5.14E-07	1.09E-06	4.33E-07	2.62E-07	6.95E-07
4044	563062.3	4234935.2	4.88E-06	4.02E-06	8.90E-06	8.28E-07	6.44E-07	1.47E-06	3.94E-06	2.95E-06	6.89E-06	6.45E-07	5.72E-07	1.22E-06	4.82E-07	2.92E-07	7.74E-07
4045	563070.76	4234939.74	5.49E-06	4.52E-06	1.00E-05	9.31E-07	7.25E-07	1.66E-06	4.43E-06	3.32E-06	7.75E-06	7.26E-07	6.43E-07	1.37E-06	5.42E-07	3.28E-07	8.70E-07
4046	563079.21	4234944.29	6.13E-06	5.05E-06	1.12E-05	1.04E-06	8.09E-07	1.85E-06	4.95E-06	3.70E-06	8.65E-06	8.10E-07	7.18E-07	1.53E-06	6.05E-07	3.67E-07	9.72E-07
4047	563087.66	4234948.84	6.75E-06	5.56E-06	1.23E-05	1.14E-06	8.91E-07	2.04E-06	5.45E-06	4.08E-06	9.52E-06	8.92E-07	7.91E-07	1.68E-06	6.66E-07	4.04E-07	1.07E-06
4048	563096.11	4234953.39	7.31E-06	6.02E-06	1.33E-05	1.24E-06	9.65E-07	2.20E-06	5.90E-06	4.41E-06	1.03E-05	9.66E-07	8.56E-07	1.82E-06	7.21E-07	4.37E-07	1.16E-06
4049	563104.56	4234957.94	7.77E-06	6.40E-06	1.42E-05	1.32E-06	1.03E-06	2.34E-06	6.27E-06	4.70E-06	1.10E-05	1.03E-06	9.11E-07	1.94E-06	7.67E-07	4.65E-07	1.23E-06
4050	563113.01	4234962.49	8.15E-06	6.71E-06	1.49E-05	1.38E-06	1.08E-06	2.46E-06	6.58E-06	4.93E-06	1.15E-05	1.08E-06	9.55E-07	2.03E-06	8.05E-07	4.88E-07	1.29E-06
4051	563121.46	4234967.04	8.44E-06	6.95E-06	1.54E-05	1.43E-06	1.11E-06	2.55E-06	6.81E-06	5.10E-06	1.19E-05	1.12E-06	9.89E-07	2.11E-06	8.34E-07	5.05E-07	1.34E-06
4052	563129.92	4234971.59	8.65E-06	7.13E-06	1.58E-05	1.47E-06	1.14E-06	2.61E-06	6.98E-06	5.23E-06	1.22E-05	1.14E-06	1.01E-06	2.16E-06	8.54E-07	5.18E-07	1.37E-06
4053	563138.37	4234976.14	8.75E-06	7.21E-06	1.60E-05	1.48E-06	1.16E-06	2.64E-06	7.06E-06	5.29E-06	1.23E-05	1.16E-06	1.03E-06	2.18E-06	8.64E-07	5.24E-07	1.39E-06
4054	563146.82	4234980.69	8.73E-06	7.19E-06	1.59E-05	1.48E-06	1.15E-06	2.64E-06	7.05E-06	5.28E-06	1.23E-05	1.15E-06	1.02E-06	2.18E-06	8.62E-07	5.23E-07	1.39E-06
4055	563155.27	4234985.24	8.61E-06	7.09E-06	1.57E-05	1.46E-06	1.14E-06	2.60E-06	6.95E-06	5.20E-06	1.22E-05	1.14E-06	1.01E-06	2.15E-06	8.50E-07	5.15E-07	1.37E-06
4056	563163.72	4234989.79	8.39E-06	6.91E-06	1.53E-05	1.42E-06	1.11E-06	2.53E-06	6.77E-06	5.07E-06	1.18E-05	1.11E-06	9.83E-07	2.09E-06	8.28E-07	5.02E-07	1.33E-06
4057	563172.17	4234994.34	8.08E-06	6.65E-06	1.47E-05	1.37E-06	1.07E-06	2.44E-06	6.52E-06	4.88E-06	1.14E-05	1.07E-06	9.46E-07	2.01E-06	7.98E-07	4.83E-07	1.28E-06
4058	563180.62	4234998.89	7.69E-06	6.34E-06	1.40E-05	1.31E-06	1.02E-06	2.32E-06	6.21E-06	4.65E-06	1.09E-05	1.02E-06	9.02E-07	1.92E-06	7.60E-07	4.60E-07	1.22E-06
4059	563189.08	4235003.44	7.26E-06	5.98E-06	1.32E-05	1.23E-06	9.58E-07	2.19E-06	5.86E-06	4.39E-06	1.02E-05	9.60E-07	8.50E-07	1.81E-06	7.17E-07	4.34E-07	1.15E-06
4060	563197.53	4235007.99	6.79E-06	5.59E-06	1.24E-05	1.15E-06	8.96E-07	2.05E-06	5.48E-06	4.10E-06	9.58E-06	8.98E-07	7.95E-07	1.69E-06	6.70E-07	4.06E-07	1.08E-06
4061	563205.98	4235012.54	6.31E-06	5.19E-06	1.15E-05	1.07E-06	8.33E-07	1.90E-06	5.09E-06	3.81E-06	8.90E-06	8.34E-07	7.39E-07	1.57E-06	6.23E-07	3.77E-07	1.00E-06
4062	563214.43	4235017.09	5.83E-06	4.80E-06	1.06E-05	9.89E-07	7.70E-07	1.76E-06	4.71E-06	3.52E-06	8.23E-06	7.71E-07	6.83E-07	1.45E-06	5.76E-07	3.49E-07	9.24E-07
4063	563025.72	4234923.87	3.05E-06	2.51E-06	5.56E-06	5.18E-07	4.03E-07	9.20E-07	2.46E-06	1.84E-06	4.31E-06	4.03E-07	3.57E-07	7.61E-07	3.01E-07	1.83E-07	4.84E-07
4064	563019.22	4234917.39	2.90E-06	2.39E-06	5.30E-06	4.93E-07	3.84E-07	8.77E-07	2.35E-06	1.76E-06	4.10E-06	3.84E-07	3.40E-07	7.25E-07	2.87E-07	1.74E-07	4.61E-07
4065	563012.73	4234910.9	2.79E-06	2.30E-06	5.09E-06	4.74E-07	3.69E-07	8.42E-07	2.25E-06	1.69E-06	3.94E-06	3.69E-07	3.27E-07	6.96E-07	2.76E-07	1.67E-07	4.43E-07
4066	563006.24	4234904.42	2.71E-06	2.23E-06	4.94E-06	4.60E-07	3.58E-07	8.17E-07	2.19E-06	1.64E-06	3.82E-06	3.58E-07	3.17E-07	6.76E-07	2.67E-07	1.62E-07	4.30E-07
4067	562997.88	4234888.96	2.79E-06	2.30E-06	5.09E-06	4.74E-07	3.69E-07	8.42E-07	2.25E-06	1.69E-06	3.94E-06	3.69E-07	3.27E-07	6.96E-07	2.76E-07	1.67E-07	4.43E-07
4068	562996.02	4234879.97	2.97E-06	2.44E-06	5.41E-06	5.03E-07	3.92E-07	8.95E-07	2.40E-06	1.79E-06	4.19E-06	3.92E-07	3.48E-07	7.40E-07	2.93E-07	1.78E-07	4.71E-07
4069	562994.16	4234870.99	3.18E-06	2.62E-06	5.80E-06	5.40E-07	4.20E-07	9.60E-07	2.57E-06	1.92E-06	4.49E-06	4.21E-07	3.73E-07	7.93E-07	3.14E-07	1.90E-07	5.05E-07
4070	562992.29	4234862.01	3.43E-06	2.83E-06	6.26E-06	5.82E-07	4.53E-07	1.04E-06	2.77E-06	2.07E-06	4.84E-06	4.54E-07	4.02E-07	8.56E-07	3.39E-07	2.05E-07	5.44E-07
4071	563032.21	4234930.35	3.23E-06	2.66E-06	5.89E-06	5.48E-07	4.26E-07	9.74E-07	2.61E-06	1.95E-06	4.56E-06	4.27E-07	3.78E-07	8.05E-07	3.19E-07	1.93E-07	5.12E-07
4072	563040.66	4234934.9	3.55E-06	2.93E-06	6.48E-06	6.03E-07	4.69E-07	1.07E-06	2.87E-06	2.15E-06	5.02E-06	4.70E-07	4.16E-07	8.86E-07	3.51E-07	2.13E-07	5.63E-07
4073	563049.11	4234939.45	3.93E-06	3.24E-06	7.17E-06	6.67E-07	5.19E-07	1.19E-06	3.17E-06	2.38E-06	5.55E-06	5.20E-07	4.61E-07	9.80E-07	3.88E-07	2.35E-07	6.23E-07
4074	563057.56	4234944	4.36E-06	3.60E-06	7.96E-06	7.40E-07	5.76E-07	1.32E-06	3.52E-06	2.64E-06	6.16E-06	5.77E-07	5.11E-07	1.09E-06	4.31E-07	2.61E-07	6.92E-07
4075	563066.02	4234948.55	4.85E-06	4.00E-06	8.85E-06	8.23E-07	6.41E-07	1.46E-06	3.92E-06	2.93E-06	6.85E-06	6.42E-07	5.69E-07	1.21E-06	4.79E-07	2.90E-07	7.70E-07
4076	563074.47	4234953.1	5.38E-06	4.43E-06	9.82E-06	9.13E-07	7.11E-07	1.62E-06	4.35E-06	3.25E-06	7.60E-06	7.12E-07	6.31E-07	1.34E-06	5.31E-07	3.22E-07	8.54E-07
4077	563082.92	4234957.65	5.90E-06	4.86E-06	1.08E-05	1.00E-06	7.79E-07	1.78E-06	4.76E-06	3.56E-06	8.33E-06	7.80E-07	6.91E-07	1.47E-06	5.82E-07	3.53E-07	9.35E-07
4078	563091.37	4234962.2	6.38E-06	5.25E-06	1.16E-05	1.08E-06	8.42E-07	1.92E-06	5.15E-06	3.85E-06	9.00E-06	8.43E-07	7.47E-07	1.59E-06	6.30E-07	3.82E-07	1.01E-06
4079	563099.82	4234966.75	6.80E-06	5.60E-06	1.24E-05	1.15E-06	8.98E-07	2.05E-06	5.49E-06	4.11E-06	9.60E-06	8.99E-07	7.97E-07	1.70E-06	6.71E-07	4.07E-07	1.08E-06
4080	563108.27	4234971.3	7.18E-06	5.92E-06	1.31E-05	1.22E-06	9.49E-07	2.17E-06	5.80E-06	4.34E-06	1.01E-05	9.50E-07	8.42E-07	1.79E-06	7.09E-07	4.30E-07	1.14E-06
4081	563116.72	4234975.85	7.49E-06	6.17E-06	1.37E-05	1.27E-06	9.89E-07	2.26E-06	6.05E-06	4.52E-06	1.06E-05	9.90E-07	8.77E-07	1.87E-06	7.39E-07	4.48E-07	1.19E-06
4082	563125.18	4234980.4	7.70E-06	6.35E-06	1.41E-05	1.31E-06	1.02E-06	2.33E-06	6.22E-06	4.66E-06	1.09E-05	1.02E-06	9.03E-07	1.92E-06	7.61E-07	4.61E-07	1.22E-06
4083	563133.63	4234984.95	7.83E-06	6.45E-06	1.43E-05	1.33E-06	1.03E-06	2.36E-06	6.32E-06	4.73E-06	1.11E-05	1.04E-06	9.17E-07	1.95E-06	7.73E-07	4.69E-07	1.24E-06
4084	563142.08	4234989.5	7.86E-06	6.47E-06	1.43E-05	1.33E-06	1.04E-06	2.37E-06	6.34E-06	4.75E-06	1.11E-05	1.04E-06	9.21E-07	1.96E-06	7.76E-07	4.70E-07	1.25E-06
4085	563150.53	4234994.05	7.79E-06	6.42E-06	1.42E-05	1.32E-06	1.03E-06	2.35E-06	6.29E-06	4.71E-06	1.10E-05	1.03E-06	9.13E-07	1.94E-06	7.70E-07	4.66E-07	1.24E-06
4086	563158.98	4234998.59	7.64E-06	6.30E-06	1.39E-05	1.30E-06	1.01E-06	2.31E-06	6.17E-06	4.62E-06	1.08E-05	1.01E-06	8.96E-07	1.91E-06	7.55E-07	4.57E-07	1.21E-06
4087	563167.43	4235003.14	7.41E-06	6.11E-06	1.35E-05	1.26E-06	9.79E-07	2.24E-06	5.98E-06	4.48E-06	1.05E-05	9.80E-07	8.68E-07	1.85E-06	7.32E-07	4.44E-07	1.18E-06
4088	563175.88	4235007.69	7.11E-06	5.86E-06	1.30E-05	1.21E-06	9.39E-07	2.15E-06	5.74E-06	4.30E-06	1.00E-05	9.41E-07	8.33E-07	1.77E-06	7.02E-07	4.26E-07	1.13E-06

4089	563184.34	4235012.24	6.76E-06	5.57E-06	1.23E-05	1.15E-06	8.93E-07	2.04E-06	5.46E-06	4.09E-06	9.55E-06	8.94E-07	7.92E-07	1.69E-06	6.68E-07	4.05E-07	1.07E-06
4090	563192.79	4235016.79	6.38E-06	5.25E-06	1.16E-05	1.08E-06	8.42E-07	1.92E-06	5.15E-06	3.85E-06	9.00E-06	8.43E-07	7.47E-07	1.59E-06	6.30E-07	3.82E-07	1.01E-06
4091	563201.24	4235021.34	5.97E-06	4.92E-06	1.09E-05	1.01E-06	7.88E-07	1.80E-06	4.82E-06	3.61E-06	8.43E-06	7.89E-07	6.99E-07	1.49E-06	5.89E-07	3.57E-07	9.47E-07
4092	563209.69	4235025.89	5.56E-06	4.58E-06	1.01E-05	9.43E-07	7.34E-07	1.68E-06	4.49E-06	3.36E-06	7.84E-06	7.35E-07	6.51E-07	1.39E-06	5.49E-07	3.33E-07	8.81E-07
4093	563021.38	4234933.08	2.80E-06	2.31E-06	5.11E-06	4.76E-07	3.70E-07	8.46E-07	2.26E-06	1.69E-06	3.96E-06	3.71E-07	3.29E-07	6.99E-07	2.77E-07	1.68E-07	4.45E-07
4094	563009.21	4234920.93	2.57E-06	2.11E-06	4.68E-06	4.35E-07	3.39E-07	7.74E-07	2.07E-06	1.55E-06	3.62E-06	3.39E-07	3.01E-07	6.40E-07	2.53E-07	1.54E-07	4.07E-07
4095	562997.04	4234908.77	2.41E-06	1.99E-06	4.40E-06	4.09E-07	3.18E-07	7.28E-07	1.95E-06	1.46E-06	3.40E-06	3.19E-07	2.83E-07	6.01E-07	2.38E-07	1.44E-07	3.82E-07
4096	562989.2	4234894.27	2.48E-06	2.04E-06	4.52E-06	4.20E-07	3.27E-07	7.47E-07	2.00E-06	1.50E-06	3.50E-06	3.27E-07	2.90E-07	6.18E-07	2.45E-07	1.48E-07	3.93E-07
4097	562985.71	4234877.43	2.77E-06	2.28E-06	5.05E-06	4.70E-07	3.66E-07	8.36E-07	2.24E-06	1.67E-06	3.91E-06	3.67E-07	3.25E-07	6.91E-07	2.74E-07	1.66E-07	4.40E-07
4098	563035.92	4234943.71	3.24E-06	2.67E-06	5.91E-06	5.50E-07	4.28E-07	9.78E-07	2.62E-06	1.96E-06	4.58E-06	4.29E-07	3.80E-07	8.09E-07	3.20E-07	1.94E-07	5.14E-07
4099	563044.37	4234948.26	3.57E-06	2.94E-06	6.51E-06	6.06E-07	4.72E-07	1.08E-06	2.88E-06	2.16E-06	5.04E-06	4.72E-07	4.18E-07	8.91E-07	3.53E-07	2.14E-07	5.66E-07
4100	563052.82	4234952.81	3.94E-06	3.25E-06	7.19E-06	6.69E-07	5.21E-07	1.19E-06	3.18E-06	2.38E-06	5.57E-06	5.21E-07	4.62E-07	9.84E-07	3.89E-07	2.36E-07	6.25E-07
4101	563061.28	4234957.36	4.35E-06	3.59E-06	7.94E-06	7.38E-07	5.75E-07	1.31E-06	3.51E-06	2.63E-06	6.14E-06	5.76E-07	5.10E-07	1.09E-06	4.30E-07	2.60E-07	6.90E-07
4102	563069.73	4234961.9	4.79E-06	3.95E-06	8.74E-06	8.13E-07	6.33E-07	1.45E-06	3.87E-06	2.89E-06	6.76E-06	6.33E-07	5.61E-07	1.19E-06	4.73E-07	2.87E-07	7.60E-07
4103	563078.18	4234966.45	5.22E-06	4.30E-06	9.53E-06	8.86E-07	6.90E-07	1.58E-06	4.22E-06	3.16E-06	7.38E-06	6.91E-07	6.12E-07	1.30E-06	5.16E-07	3.13E-07	8.29E-07
4104	563086.63	4234971	5.65E-06	4.65E-06	1.03E-05	9.58E-07	7.46E-07	1.70E-06	4.56E-06	3.41E-06	7.97E-06	7.47E-07	6.62E-07	1.41E-06	5.58E-07	3.38E-07	8.95E-07
4105	563095.08	4234975.55	6.05E-06	4.98E-06	1.10E-05	1.03E-06	7.99E-07	1.83E-06	4.88E-06	3.66E-06	8.54E-06	8.00E-07	7.09E-07	1.51E-06	5.97E-07	3.62E-07	9.60E-07
4106	563103.53	4234980.1	6.40E-06	5.27E-06	1.17E-05	1.09E-06	8.45E-07	1.93E-06	5.17E-06	3.87E-06	9.03E-06	8.46E-07	7.50E-07	1.60E-06	6.32E-07	3.83E-07	1.01E-06
4107	563111.98	4234984.65	6.69E-06	5.51E-06	1.22E-05	1.13E-06	8.83E-07	2.02E-06	5.40E-06	4.04E-06	9.44E-06	8.84E-07	7.84E-07	1.67E-06	6.60E-07	4.00E-07	1.06E-06
4108	563120.44	4234989.2	6.90E-06	5.69E-06	1.26E-05	1.17E-06	9.12E-07	2.08E-06	5.57E-06	4.17E-06	9.75E-06	9.13E-07	8.09E-07	1.72E-06	6.82E-07	4.13E-07	1.10E-06
4109	563128.89	4234993.75	7.04E-06	5.80E-06	1.28E-05	1.20E-06	9.30E-07	2.13E-06	5.69E-06	4.26E-06	9.94E-06	9.31E-07	8.25E-07	1.76E-06	6.96E-07	4.22E-07	1.12E-06
4110	563137.34	4234998.3	7.10E-06	5.85E-06	1.30E-05	1.21E-06	9.38E-07	2.14E-06	5.73E-06	4.29E-06	1.00E-05	9.39E-07	8.32E-07	1.77E-06	7.01E-07	4.25E-07	1.13E-06
4111	563145.79	4235002.85	7.08E-06	5.83E-06	1.29E-05	1.20E-06	9.35E-07	2.14E-06	5.72E-06	4.28E-06	1.00E-05	9.36E-07	8.30E-07	1.77E-06	6.99E-07	4.24E-07	1.12E-06
4112	563154.24	4235007.4	6.98E-06	5.75E-06	1.27E-05	1.18E-06	9.22E-07	2.11E-06	5.64E-06	4.22E-06	9.86E-06	9.23E-07	8.18E-07	1.74E-06	6.90E-07	4.18E-07	1.11E-06
4113	563162.69	4235011.95	6.81E-06	5.61E-06	1.24E-05	1.16E-06	9.00E-07	2.06E-06	5.50E-06	4.12E-06	9.62E-06	9.01E-07	7.99E-07	1.70E-06	6.73E-07	4.08E-07	1.08E-06
4114	563171.14	4235016.5	6.58E-06	5.42E-06	1.20E-05	1.12E-06	8.70E-07	1.99E-06	5.32E-06	3.98E-06	9.30E-06	8.71E-07	7.72E-07	1.64E-06	6.50E-07	3.94E-07	1.04E-06
4115	563179.6	4235021.05	6.30E-06	5.19E-06	1.15E-05	1.07E-06	8.33E-07	1.90E-06	5.09E-06	3.81E-06	8.90E-06	8.34E-07	7.39E-07	1.57E-06	6.23E-07	3.77E-07	1.00E-06
4116	563188.05	4235025.6	5.99E-06	4.93E-06	1.09E-05	1.02E-06	7.91E-07	1.81E-06	4.83E-06	3.62E-06	8.45E-06	7.92E-07	7.01E-07	1.49E-06	5.91E-07	3.58E-07	9.49E-07
4117	563196.5	4235030.15	5.64E-06	4.65E-06	1.03E-05	9.58E-07	7.45E-07	1.70E-06	4.56E-06	3.41E-06	7.97E-06	7.46E-07	6.61E-07	1.41E-06	5.57E-07	3.38E-07	8.95E-07
4118	563204.95	4235034.7	5.29E-06	4.36E-06	9.65E-06	8.98E-07	6.99E-07	1.60E-06	4.27E-06	3.20E-06	7.47E-06	7.00E-07	6.20E-07	1.32E-06	5.22E-07	3.17E-07	8.39E-07
4119	563015.97	4234941.21	2.55E-06	2.10E-06	4.65E-06	4.33E-07	3.37E-07	7.70E-07	2.06E-06	1.54E-06	3.60E-06	3.37E-07	2.99E-07	6.36E-07	2.52E-07	1.53E-07	4.05E-07
4120	563009.2	4234934.46	2.44E-06	2.01E-06	4.45E-06	4.14E-07	3.22E-07	7.36E-07	1.97E-06	1.47E-06	3.45E-06	3.23E-07	2.86E-07	6.09E-07	2.41E-07	1.46E-07	3.87E-07
4121	563002.44	4234927.7	2.33E-06	1.92E-06	4.24E-06	3.95E-07	3.07E-07	7.02E-07	1.88E-06	1.41E-06	3.28E-06	3.07E-07	2.72E-07	5.80E-07	2.30E-07	1.39E-07	3.69E-07
4122	562995.68	4234920.95	2.22E-06	1.83E-06	4.05E-06	3.77E-07	2.93E-07	6.70E-07	1.79E-06	1.34E-06	3.13E-06	2.94E-07	2.60E-07	5.54E-07	2.19E-07	1.33E-07	3.52E-07
4123	562988.91	4234914.2	2.16E-06	1.78E-06	3.93E-06	3.66E-07	2.85E-07	6.50E-07	1.74E-06	1.30E-06	3.04E-06	2.85E-07	2.53E-07	5.38E-07	2.13E-07	1.29E-07	3.42E-07
4124	562980.21	4234898.09	2.23E-06	1.84E-06	4.07E-06	3.79E-07	2.95E-07	6.74E-07	1.80E-06	1.35E-06	3.15E-06	2.95E-07	2.62E-07	5.57E-07	2.20E-07	1.34E-07	3.54E-07
4125	562978.27	4234888.73	2.36E-06	1.94E-06	4.30E-06	4.00E-07	3.12E-07	7.12E-07	1.91E-06	1.43E-06	3.33E-06	3.12E-07	2.77E-07	5.89E-07	2.33E-07	1.41E-07	3.74E-07
4126	562976.33	4234879.37	2.52E-06	2.07E-06	4.59E-06	4.27E-07	3.33E-07	7.60E-07	2.03E-06	1.52E-06	3.56E-06	3.33E-07	2.95E-07	6.28E-07	2.49E-07	1.51E-07	3.99E-07
4127	562974.38	4234870.02	2.71E-06	2.23E-06	4.94E-06	4.60E-07	3.58E-07	8.17E-07	2.19E-06	1.64E-06	3.82E-06	3.58E-07	3.17E-07	6.76E-07	2.67E-07	1.62E-07	4.30E-07
4128	562972.44	4234860.66	2.92E-06	2.41E-06	5.33E-06	4.96E-07	3.86E-07	8.81E-07	2.36E-06	1.77E-06	4.12E-06	3.86E-07	3.42E-07	7.29E-07	2.88E-07	1.75E-07	4.63E-07
4129	563022.73	4234947.96	2.69E-06	2.22E-06	4.91E-06	4.57E-07	3.56E-07	8.13E-07	2.18E-06	1.63E-06	3.80E-06	3.56E-07	3.16E-07	6.72E-07	2.66E-07	1.61E-07	4.27E-07
4130	563031.18	4234952.51	2.97E-06	2.45E-06	5.41E-06	5.04E-07	3.92E-07	8.96E-07	2.40E-06	1.79E-06	4.19E-06	3.92E-07	3.48E-07	7.40E-07	2.93E-07	1.78E-07	4.71E-07
4131	563039.63	4234957.06	3.27E-06	2.69E-06	5.96E-06	5.54E-07	4.31E-07	9.86E-07	2.64E-06	1.97E-06	4.61E-06	4.32E-07	3.83E-07	8.15E-07	3.23E-07	1.96E-07	5.18E-07
4132	563048.08	4234961.61	3.59E-06	2.96E-06	6.55E-06	6.09E-07	4.74E-07	1.08E-06	2.90E-06	2.17E-06	5.07E-06	4.75E-07	4.21E-07	8.95E-07	3.54E-07	2.15E-07	5.69E-07
4133	563056.54	4234966.16	3.94E-06	3.25E-06	7.19E-06	6.69E-07	5.21E-07	1.19E-06	3.18E-06	2.38E-06	5.56E-06	5.21E-07	4.62E-07	9.83E-07	3.89E-07	2.36E-07	6.25E-07
4134	563064.99	4234970.71	4.29E-06	3.54E-06	7.83E-06	7.28E-07	5.67E-07	1.30E-06	3.47E-06	2.59E-06	6.06E-06	5.68E-07	5.03E-07	1.07E-06	4.24E-07	2.57E-07	6.81E-07
4135	563073.44	4234975.26	4.66E-06	3.84E-06	8.50E-06	7.91E-07	6.16E-07	1.41E-06	3.77E-06	2.82E-06	6.58E-06	6.17E-07	5.46E-07	1.16E-06	4.61E-07	2.79E-07	7.40E-07
4136	563081.89	4234979.81	5.04E-06	4.15E-06	9.19E-06	8.55E-07	6.66E-07	1.52E-06	4.07E-06	3.05E-06	7.12E-06	6.67E-07	5.91E-07	1.26E-06	4.98E-07	3.02E-07	7.99E-07
4137	563090.34	4234984.36	5.41E-06	4.46E-06	9.87E-06	9.18E-07	7.15E-07	1.63E-06	4.37E-06	3.27E-06	7.64E-06	7.15E-07	6.34E-07	1.35E-06	5.34E-07	3.24E-07	8.58E-07
4138	563098.79	4234988.91	5.74E-06	4.73E-06	1.05E-05	9.74E-07	7.58E-07	1.73E-06	4.63E-06	3.47E-06	8.10E-06	7.59E-07	6.72E-07	1.43E-06	5.67E-07	3.43E-07	9.10E-07
4139	563107.24	4234993.46	6.01E-06	4.95E-06	1.10E-05	1.02E-06	7.93E-07	1.81E-06	4.85E-06	3.63E-06	8.48E-06	7.94E-07	7.04E-07	1.50E-06	5.93E-07	3.60E-07	9.53E-07
4140	563115.7	4234998.01	6.22E-06	5.12E-06	1.13E-05	1.06E-06	8.21E-07	1.88E-06	5.02E-06	3.76E-06	8.78E-06	8.22E-07	7.29E-07	1.55E-06	6.14E-07	3.72E-07	9.86E-07
4141	563124.15	4235002.56	6.37E-06	5.24E-06	1.16E-05	1.08E-06	8.41E-07	1.92E-06	5.14E-06	3.85E-06	8.99E-06	8.42E-07	7.46E-07	1.59E-06	6.29E-07	3.81E-07	1.01E-06
4142	563132.6	4235007.11	6.45E-06	5.31E-06	1.18E-05	1.09E-06	8.51E-07	1.94E-06	5.20E-06	3.90E-06	9.10E-06	8.52E-07	7.55E-07	1.61E-06	6.37E-07	3.86E-07	1.02E-06
4143	563141.05	4235011.66	6.46E-06	5.32E-06	1.18E-05	1.10E-06	8.53E-07	1.95E-06	5.21E-06	3.90E-06	9.11E-06	8.54E-07	7.57E-07	1.61E-06	6.38E-07	3.86E-07	1.02E-06
4144	563149.5	4235016.21	6.40E-06	5.27E-06	1.17E-05	1.09E-06	8.45E-07	1.93E-06	5.17E-06	3.87E-06	9.03E-06	8.46E-07	7.50E-07	1.60E-06	6.32E-07	3.83E-07	1.01E-06
4145	563157.95	4235020.75	6.28E-06	5.17E-06	1.15E-05	1.07E-06	8.29E-07	1.90E-06	5.07E-06	3.80E-06	8.87E-06	8.31E-07	7.36E-07	1.57E-06	6.20E-07	3.76E-07	9.96E-07
4146	563166.4	4235025.3	6.10E-06	5.03E-06	1.11E-05	1.04E-06	8.06E-07	1.84E-06	4.93E-06	3.69E-06	8.62E-06	8.07E-07	7.15E-07	1.52E-06	6.03E-07	3.65E-07	9.68E-07
4147	563174.86	4235029.85	5.88E-06	4.85E-06	1.07E-05	9.98E-07	7.77E-07	1.77E-06	4.75E-06	3.55E-06	8.30E-06	7.78E-07	6.89E-07	1.47E-06	5.81E-07	3.52E-07	9.33E-07
4148	563183.31	4235034.4	5.62E-06	4.63E-06	1.03E-05	9.54E-07	7.42E-07	1.70E-06	4.54E-06	3.40E-06	7.94E-06	7.43E-07	6.59E-07	1.40E-06	5.55E-07	3.36E-07	8.92E-07
4149	563191.76	4235038.95	5.33E-06	4.39E-06	9.73E-06	9.05E-07	7.05E-07	1.61E-06	4.31E-06	3.22E-06	7.53E-06	7.05E-07	6.25E-07	1.33E-06	5.27E-07	3.19E-07	8.46E-07
4150	563200.21	4235043.5	5.03E-06	4.15E-06	9.18E-06	8.54E-07	6.65E-07	1.52E-06	4.06E-06	3.04E-06	7.10E-06	6.65E-07	5.90E-07	1.26E-06	4.97E-07	3.01E-07	7.98E-07
4151	563007.16	4234959.5	2.12E-06	1.75E-06	3.86E-06	3.60E-07	2.80E-07	6.39E-07	1.71E-06	1.28E-06	2.99E-06	2.80E-07	2.48E-07	5.28E-07	2.09E-07	1.27E-07	3.36E-07
4152	562994.99	4234947.34	1.95E-06	1.61E-06	3.56E-06	3.31E-07	2.58E-07	5.88E-07	1.57E-06	1.18E-06	2.75E-06	2.58E-07	2.29E-07	4.86E-07	1.93E-07	1.17E-07	3.09E-07
4153	562982.82	4234935.19	1.79E-06	1.48E-06	3.27E-06	3.04E-07	2.37E-07	5.41E-07	1.45E-06	1.08E-06	2.53E-06	2.37E-07	2.10E-07	4.47E-07	1.77E-07	1.07E-07	2.84E-07
4154	562970.64	4234923.03	1.71E-06	1.41E-06	3.12E-06	2.90E-07	2.26E-07	5.16E-07	1.38E-06	1.03E-06	2.41E-06	2.26E-07	2.00E-07	4.26E-07	1.69E-07	1.02E-07	2.71E-07
4155	562962.81	4234908.53	1.76E-06	1.45E-06	3.22E-06	2.99E-07	2.33E-07	5.32E-07	1.42E-06	1.07E-06	2.49E-06	2.33E-07	2.07E-07	4.40E-07	1.74E-07	1.06E-07	2.80E-07
4156	562959.31	4234891.69	1.92E-06	1.58E-06	3.50E-06	3.26E-07	2.53E-07	5.79E-07	1.55E-06	1.16E-06	2.71E-06	2.54E-07	2.25E-07	4.79E-07	1.90E-07	1.15E-07	3.04E-07
4157	562955.82	4234874.84	2.14E-06	1.76E-06	3.90E-06	3.63E-07	2.83E-07	6.46E-07	1.73E-06	1.29E-06	3.02E-06	2.83E-07	2.51E-07	5.34E-07	2.11E-07	1.28E-07	3.40E-07
4158	563021.7	4234970.12	2.46E-06	2.03E-06	4.49E-06	4.17E-07	3.25E-07	7.42E-07	1.99E-06	1.49E-06	3.47E-06	3.25E-07	2.88E-07	6.14E-07	2.43E-07	1.47E-07	3.90E-07
4159	563030.15	4234974.67	2.70E-06	2.23E-06	4.93E-06	4.58E-07	3.57E-07	8.15E-07	2.18E-06	1.63E-06	3.81E-06	3.57E-07	3.17E-07	6.74E-07	2.67E-07	1.62E-07	4.28E-07
4160	563038.6	4234979.22	2.94E-06	2.42E-06	5.36E-06	4.98E-07	3.88E-07	8.86E-07	2.37E-06	1.77E-06	4.15E-06	3.88E-07	3.44E-07	7.32E-07	2.90E-07	1.76E-07	4.66E-07
4161	563047.06	4234983.77	3.19E-06	2.63E-06	5.81E-06	5.41E-07	4.21E-07	9.62E-07	2.57E-06	1.93E-06	4.50E-06	4.21E-07	3.73E-07	7.95E-07	3.15E-07	1.91E-07	5.06E-07
4162	563055.51	4234988.32	3.46E-06	2.85E-06	6.31E-06	5.87E-07	4.57E-07	1.04E-06	2.80E-06	2.09E-06	4.89E-06	4.58E-07	4.06E-07	8.64E-07	3.42E-07	2.07E-07	5.49E-07
4163	563063.96	4234992.87	3.76E-06	3.09E-06	6.85E-06	6.37E-07	4.96E-07	1.13E-06	3.03E-06	2.27E-06	5.30E-06	4.97E-07	4.40E-07	9.37E-07	3.71E-07	2.25E-07	5.96E-07
4164	563072.41	4234997.42	4.07E-06	3.35E-06	7.42E-06	6.90E-07	5.37E-07	1.23E-06	3.28E-06	2.46E-06	5.74E-06	5.38E-07	4.76E-07	1.01E-06	4.02E-07	2.43E-07	6.45E-07
4165	563080.86	4235001.97	4.38E-06	3.61E-06	7.99E-06	7.43E-07	5.79E-07	1.32E-06	3.54E-06	2.65E-06	6.19E-06	5.79E-07	5.13E-07	1.09E-06	4.33E-07	2.62E-07	6.95E-07
4166	563089.31	4235006.52	4.68E-06	3.85E-06	8.53E-06	7.94E-07	6.18E-07	1.41E-06	3.78E-06	2.83E-06	6.60E-06	6.18E-07	5.48E-07	1.17E-06	4.62E-07	2.80E-07	7.42E-07
4167	563097.76	4235011.07	4.93E-06	4.06E-06	8.98E-06	8.36E-07	6.51E-07	1.49E-06	3.98E-06	2.98E-06	6.95E-06	6.51E-07	5.77E-07	1.23E-06	4.86E-07	2.95E-07	7.81E-07
4168	563106.22	4235015.62	5.12E-06	4.22E-06	9.33E-06	8.68E-07	6.76E-07	1.54E-06	4.13E-06	3.09E-06	7.23E-06	6.77E-07	6.00E-07	1.28E-06	5.05E-07	3.06E-07	8.12E-07
4169	563114.67	4235020.17	5.27E-06	4.34E-06	9.60E-06	8.94E-07	6.96E-07	1.59E-06	4.25E-06	3.18E-06	7.43E-06	6.96E-07	6.17E-07	1.31E-06	5.20E-07	3.15E-07	8.35E-07
4170	563123.12	4235024.72	5.37E-06	4.42E-06	9.79E-06	9.11E-07	7.09E-07	1.62E-06	4.33E-06	3.24E-06	7.58E-06	7.10E-07	6.29E-07	1.34E-06	5.30E-07	3.21E-07	8.51E-07
4171	563131.57	4235029.27	5.42E-06	4.46E-06	9.88E-06	9.19E-07	7.15E-07	1.63E-06	4.37E-06	3.27E-06	7.65E-06	7.16E-07	6.35E-07	1.35E-06	5.35E-07	3.24E-07	8.59E-07
4172	563140.02	4235033.82	5.42E-06	4.46E-06	9.88E-06	9.19E-07	7.15E-07	1.63E-06	4.37E-06	3.27E-06	7.65E-06	7.16E-07	6.35E-07	1.35E-06	5.35E-07	3.24E-07	8.59E-07
4173	563148.47	4235038.37	5.37E-06	4.42E-06	9.79E-06	9.10E-07	7.09E-07	1.62E-06	4.33E-06	3.24E-06	7.57E-06	7.09E-07	6.29E-07	1.34E-06	5.30E-07	3.21E-07	8.51E-07
4174	563156.92	4235042.91	5.27E-06	4.34E-06	9.61E-06	8.94E-07	6.96E-07	1.59E-06	4.25E-06	3.18E-06	7.44E-06	6.97E-07	6.17E-07	1.31E-06	5.20E-07	3.15E-07	8.36E-07
4175	563165.38	4235047.46	5.13E-06	4.23E-06	9.36E-06	8.71E-07	6.78E-07	1.55E-06	4.14E-06	3.10E-06	7.25E-06	6.79E-07	6.01E-07	1.28E-06	5.07E-07	3.07E-07	8.14E-07
4176	563173.83	4235052.01	4.96E-06	4.09E-06	9.05E-06	8.42E-07	6.55E-07	1.50E-06	4.01E-06	3.00E-06	7.00E-06	6.56E-07	5.81E-07	1.24E-06	4.90E-07	2.97E-07	7.87E-07
4177	563182.28	4235056.56	4.76E-06	3.92E-06	8.68E-06	8.08E-07	6.29E-07	1.44E-06	3.84E-06	2.88E-06	6.72E-06	6.30E-07	5.58E-07	1.19E-06	4.70E-07	2.85E-07	7.55E-07
4178	563190.73	4235061.11	4.54E-06	3.74E-06	8.28E-06	7.71E-07	6.00E-07	1.37E-06	3.67E-06	2.74E-06	6.41E-06	6.01E-07	5.32E-07	1.13E-06	4.49E-07	2.72E-07	7.20E-07
4179	562997.46	4234976.88	1.82E-06	1.50E-06	3.32E-06	3.09E-07	2.41E-07	5.50E-07	1.47E-06	1.10E-06	2.57E-06	2.41E-07	2.13E-07	4.54E-07	1.80E-07	1.09E-07	2.89E-07
4180	562991.15	4234970.58	1.74E-06	1.43E-06	3.16E-06	2.94E-07	2.29E-07	5.24E-07	1.40E-06	1.05E-06	2.45E-06	2.29E-07	2.03E-07	4.33E-07	1.71E-07	1.04E-07	2.75E-07
4181	562978.52	4234957.97	1.59E-06	1.31E-06	2.91E-06	2.70E-07	2.10E-07	4.81E-07	1.29E-06	9.63E-07	2.25E-06	2.11E-07	1.87E-07	3.97E-07	1.57E-07	9.53E-08	2.53E-07

4182	562972.21	4234951.67	1.53E-06	1.26E-06	2.79E-06	2.59E-07	2.02E-07	4.61E-07	1.23E-06	9.23E-07	2.16E-06	2.02E-07	1.79E-07	3.81E-07	1.51E-07	9.15E-08	2.42E-07
4183	562959.58	4234939.07	1.44E-06	1.18E-06	2.62E-06	2.44E-07	1.90E-07	4.33E-07	1.16E-06	8.67E-07	2.03E-06	1.90E-07	1.68E-07	3.58E-07	1.42E-07	8.59E-08	2.28E-07
4184	562945.15	4234917.73	1.42E-06	1.17E-06	2.60E-06	2.41E-07	1.88E-07	4.29E-07	1.15E-06	8.60E-07	2.01E-06	1.88E-07	1.67E-07	3.55E-07	1.41E-07	8.52E-08	2.26E-07
4185	562941.52	4234900.26	1.54E-06	1.27E-06	2.81E-06	2.61E-07	2.03E-07	4.65E-07	1.24E-06	9.31E-07	2.17E-06	2.04E-07	1.81E-07	3.84E-07	1.52E-07	9.22E-08	2.44E-07
4186	562939.71	4234891.53	1.62E-06	1.34E-06	2.96E-06	2.75E-07	2.14E-07	4.90E-07	1.31E-06	9.80E-07	2.29E-06	2.15E-07	1.90E-07	4.05E-07	1.60E-07	9.71E-08	2.57E-07
4187	562936.09	4234874.06	1.84E-06	1.51E-06	3.35E-06	3.12E-07	2.43E-07	5.54E-07	1.48E-06	1.11E-06	2.59E-06	2.43E-07	2.15E-07	4.58E-07	1.81E-07	1.10E-07	2.91E-07
4188	563012.22	4234987.73	2.08E-06	1.71E-06	3.79E-06	3.53E-07	2.75E-07	6.27E-07	1.68E-06	1.26E-06	2.94E-06	2.75E-07	2.44E-07	5.19E-07	2.05E-07	1.24E-07	3.30E-07
4189	563020.67	4234992.28	2.25E-06	1.85E-06	4.10E-06	3.81E-07	2.97E-07	6.78E-07	1.82E-06	1.36E-06	3.17E-06	2.97E-07	2.63E-07	5.61E-07	2.22E-07	1.35E-07	3.57E-07
4190	563029.12	4234996.83	2.42E-06	2.00E-06	4.42E-06	4.11E-07	3.20E-07	7.31E-07	1.96E-06	1.46E-06	3.42E-06	3.20E-07	2.84E-07	6.04E-07	2.39E-07	1.45E-07	3.84E-07
4191	563037.58	4235001.38	2.63E-06	2.17E-06	4.80E-06	4.47E-07	3.48E-07	7.95E-07	2.13E-06	1.59E-06	3.72E-06	3.48E-07	3.09E-07	6.57E-07	2.60E-07	1.58E-07	4.18E-07
4192	563046.03	4235005.93	2.87E-06	2.37E-06	5.24E-06	4.87E-07	3.79E-07	8.67E-07	2.32E-06	1.74E-06	4.05E-06	3.80E-07	3.37E-07	7.16E-07	2.84E-07	1.72E-07	4.56E-07
4193	563054.48	4235010.48	3.12E-06	2.57E-06	5.69E-06	5.30E-07	4.12E-07	9.42E-07	2.52E-06	1.89E-06	4.41E-06	4.13E-07	3.66E-07	7.78E-07	3.08E-07	1.87E-07	4.95E-07
4194	563062.93	4235015.03	3.38E-06	2.78E-06	6.16E-06	5.73E-07	4.46E-07	1.02E-06	2.73E-06	2.04E-06	4.77E-06	4.46E-07	3.96E-07	8.42E-07	3.33E-07	2.02E-07	5.35E-07
4195	563071.38	4235019.58	3.63E-06	2.99E-06	6.62E-06	6.16E-07	4.79E-07	1.09E-06	2.93E-06	2.19E-06	5.12E-06	4.80E-07	4.25E-07	9.05E-07	3.58E-07	2.17E-07	5.75E-07
4196	563079.83	4235024.13	3.87E-06	3.19E-06	7.06E-06	6.57E-07	5.11E-07	1.17E-06	3.13E-06	2.34E-06	5.46E-06	5.12E-07	4.54E-07	9.65E-07	3.82E-07	2.32E-07	6.14E-07
4197	563088.28	4235028.68	4.09E-06	3.37E-06	7.45E-06	6.93E-07	5.40E-07	1.23E-06	3.30E-06	2.47E-06	5.77E-06	5.40E-07	4.79E-07	1.02E-06	4.04E-07	2.45E-07	6.48E-07
4198	563096.74	4235033.23	4.26E-06	3.51E-06	7.77E-06	7.23E-07	5.63E-07	1.29E-06	3.44E-06	2.58E-06	6.02E-06	5.63E-07	4.99E-07	1.06E-06	4.21E-07	2.55E-07	6.76E-07
4199	563105.19	4235037.78	4.40E-06	3.62E-06	8.02E-06	7.46E-07	5.81E-07	1.33E-06	3.55E-06	2.66E-06	6.21E-06	5.82E-07	5.15E-07	1.10E-06	4.34E-07	2.63E-07	6.98E-07
4200	563113.64	4235042.33	4.51E-06	3.72E-06	8.23E-06	7.65E-07	5.96E-07	1.36E-06	3.64E-06	2.73E-06	6.37E-06	5.96E-07	5.29E-07	1.12E-06	4.45E-07	2.70E-07	7.15E-07
4201	563122.09	4235046.88	4.59E-06	3.78E-06	8.37E-06	7.79E-07	6.06E-07	1.39E-06	3.71E-06	2.78E-06	6.48E-06	6.07E-07	5.38E-07	1.15E-06	4.53E-07	2.75E-07	7.28E-07
4202	563130.54	4235051.43	4.63E-06	3.81E-06	8.44E-06	7.85E-07	6.11E-07	1.40E-06	3.73E-06	2.80E-06	6.53E-06	6.12E-07	5.42E-07	1.15E-06	4.57E-07	2.77E-07	7.34E-07
4203	563138.99	4235055.98	4.62E-06	3.80E-06	8.42E-06	7.84E-07	6.10E-07	1.39E-06	3.73E-06	2.79E-06	6.52E-06	6.11E-07	5.41E-07	1.15E-06	4.56E-07	2.76E-07	7.32E-07
4204	563147.44	4235060.53	4.57E-06	3.77E-06	8.34E-06	7.76E-07	6.04E-07	1.38E-06	3.69E-06	2.76E-06	6.45E-06	6.05E-07	5.36E-07	1.14E-06	4.51E-07	2.74E-07	7.25E-07
4205	563155.9	4235065.07	4.49E-06	3.70E-06	8.20E-06	7.63E-07	5.94E-07	1.36E-06	3.63E-06	2.72E-06	6.35E-06	5.94E-07	5.27E-07	1.12E-06	4.44E-07	2.69E-07	7.13E-07
4206	563164.35	4235069.62	4.39E-06	3.61E-06	8.00E-06	7.44E-07	5.79E-07	1.32E-06	3.54E-06	2.65E-06	6.19E-06	5.80E-07	5.14E-07	1.09E-06	4.33E-07	2.62E-07	6.96E-07
4207	563172.8	4235074.17	4.25E-06	3.50E-06	7.75E-06	7.21E-07	5.61E-07	1.28E-06	3.43E-06	2.57E-06	6.00E-06	5.62E-07	4.98E-07	1.06E-06	4.20E-07	2.54E-07	6.74E-07
4208	563181.25	4235078.72	4.09E-06	3.37E-06	7.47E-06	6.95E-07	5.41E-07	1.24E-06	3.31E-06	2.47E-06	5.78E-06	5.41E-07	4.80E-07	1.02E-06	4.04E-07	2.45E-07	6.49E-07
4209	562987.8	4234994.31	1.62E-06	1.34E-06	2.96E-06	2.75E-07	2.14E-07	4.89E-07	1.31E-06	9.80E-07	2.29E-06	2.14E-07	1.90E-07	4.04E-07	1.60E-07	9.70E-08	2.57E-07
4210	562981.3	4234987.83	1.55E-06	1.27E-06	2.82E-06	2.62E-07	2.04E-07	4.67E-07	1.25E-06	9.34E-07	2.18E-06	2.04E-07	1.81E-07	3.86E-07	1.53E-07	9.25E-08	2.45E-07
4211	562974.81	4234981.35	1.48E-06	1.22E-06	2.69E-06	2.51E-07	1.95E-07	4.46E-07	1.19E-06	8.93E-07	2.09E-06	1.95E-07	1.73E-07	3.68E-07	1.46E-07	8.84E-08	2.34E-07
4212	562968.32	4234974.86	1.41E-06	1.17E-06	2.58E-06	2.40E-07	1.87E-07	4.27E-07	1.14E-06	8.55E-07	2.00E-06	1.87E-07	1.66E-07	3.53E-07	1.40E-07	8.47E-08	2.24E-07
4213	562961.83	4234968.38	1.36E-06	1.12E-06	2.48E-06	2.31E-07	1.79E-07	4.10E-07	1.10E-06	8.21E-07	1.92E-06	1.80E-07	1.59E-07	3.39E-07	1.34E-07	8.13E-08	2.15E-07
4214	562955.33	4234961.9	1.31E-06	1.08E-06	2.39E-06	2.22E-07	1.73E-07	3.95E-07	1.06E-06	7.91E-07	1.85E-06	1.73E-07	1.53E-07	3.27E-07	1.29E-07	7.84E-08	2.08E-07
4215	562948.84	4234955.42	1.27E-06	1.04E-06	2.31E-06	2.15E-07	1.67E-07	3.82E-07	1.02E-06	7.66E-07	1.79E-06	1.68E-07	1.49E-07	3.16E-07	1.25E-07	7.59E-08	2.01E-07
4216	562942.35	4234948.93	1.23E-06	1.02E-06	2.25E-06	2.09E-07	1.63E-07	3.72E-07	9.95E-07	7.45E-07	1.74E-06	1.63E-07	1.44E-07	3.07E-07	1.22E-07	7.38E-08	1.96E-07
4217	562935.86	4234942.45	1.20E-06	9.93E-07	2.20E-06	2.04E-07	1.59E-07	3.64E-07	9.73E-07	7.28E-07	1.70E-06	1.59E-07	1.41E-07	3.01E-07	1.19E-07	7.21E-08	1.91E-07
4218	562927.5	4234926.99	1.22E-06	1.00E-06	2.22E-06	2.06E-07	1.61E-07	3.67E-07	9.82E-07	7.35E-07	1.72E-06	1.61E-07	1.42E-07	3.03E-07	1.20E-07	7.28E-08	1.93E-07
4219	562925.64	4234918	1.26E-06	1.04E-06	2.29E-06	2.13E-07	1.66E-07	3.79E-07	1.02E-06	7.60E-07	1.78E-06	1.66E-07	1.47E-07	3.14E-07	1.24E-07	7.53E-08	1.99E-07
4220	562923.77	4234909.02	1.31E-06	1.08E-06	2.39E-06	2.22E-07	1.73E-07	3.95E-07	1.06E-06	7.91E-07	1.85E-06	1.73E-07	1.53E-07	3.27E-07	1.29E-07	7.84E-08	2.08E-07
4221	562921.91	4234900.03	1.37E-06	1.13E-06	2.51E-06	2.33E-07	1.81E-07	4.14E-07	1.11E-06	8.30E-07	1.94E-06	1.82E-07	1.61E-07	3.43E-07	1.36E-07	8.22E-08	2.18E-07
4222	562920.04	4234891.05	1.45E-06	1.19E-06	2.65E-06	2.46E-07	1.92E-07	4.38E-07	1.17E-06	8.76E-07	2.05E-06	1.92E-07	1.70E-07	3.62E-07	1.43E-07	8.68E-08	2.30E-07
4223	562918.18	4234882.07	1.54E-06	1.27E-06	2.81E-06	2.61E-07	2.03E-07	4.65E-07	1.24E-06	9.31E-07	2.18E-06	2.04E-07	1.81E-07	3.84E-07	1.52E-07	9.22E-08	2.44E-07
4224	562916.32	4234873.08	1.65E-06	1.36E-06	3.00E-06	2.79E-07	2.17E-07	4.97E-07	1.33E-06	9.95E-07	2.32E-06	2.18E-07	1.93E-07	4.11E-07	1.63E-07	9.85E-08	2.61E-07
4225	562914.45	4234864.1	1.76E-06	1.45E-06	3.22E-06	2.99E-07	2.33E-07	5.32E-07	1.42E-06	1.07E-06	2.49E-06	2.33E-07	2.07E-07	4.40E-07	1.74E-07	1.06E-07	2.80E-07
4226	562912.59	4234855.12	1.89E-06	1.56E-06	3.45E-06	3.21E-07	2.50E-07	5.71E-07	1.53E-06	1.14E-06	2.67E-06	2.50E-07	2.22E-07	4.72E-07	1.87E-07	1.13E-07	3.00E-07
4227	562994.29	4235000.79	1.70E-06	1.40E-06	3.11E-06	2.89E-07	2.25E-07	5.14E-07	1.37E-06	1.03E-06	2.40E-06	2.25E-07	2.00E-07	4.25E-07	1.68E-07	1.02E-07	2.70E-07
4228	563002.74	4235005.34	1.83E-06	1.51E-06	3.33E-06	3.10E-07	2.41E-07	5.51E-07	1.48E-06	1.10E-06	2.58E-06	2.42E-07	2.14E-07	4.56E-07	1.80E-07	1.09E-07	2.90E-07
4229	563011.19	4235009.89	1.96E-06	1.62E-06	3.58E-06	3.33E-07	2.59E-07	5.93E-07	1.59E-06	1.19E-06	2.77E-06	2.60E-07	2.30E-07	4.90E-07	1.94E-07	1.18E-07	3.12E-07
4230	563019.64	4235014.44	2.11E-06	1.74E-06	3.85E-06	3.59E-07	2.79E-07	6.38E-07	1.71E-06	1.28E-06	2.98E-06	2.80E-07	2.48E-07	5.27E-07	2.09E-07	1.27E-07	3.35E-07
4231	563028.1	4235018.99	2.27E-06	1.87E-06	4.15E-06	3.86E-07	3.00E-07	6.86E-07	1.84E-06	1.37E-06	3.21E-06	3.01E-07	2.66E-07	5.67E-07	2.25E-07	1.36E-07	3.61E-07
4232	563036.55	4235023.54	2.45E-06	2.02E-06	4.47E-06	4.16E-07	3.24E-07	7.39E-07	1.98E-06	1.48E-06	3.46E-06	3.24E-07	2.87E-07	6.11E-07	2.42E-07	1.47E-07	3.89E-07
4233	563045	4235028.09	2.65E-06	2.18E-06	4.83E-06	4.49E-07	3.50E-07	7.99E-07	2.14E-06	1.60E-06	3.74E-06	3.50E-07	3.10E-07	6.61E-07	2.62E-07	1.59E-07	4.20E-07
4234	563053.45	4235032.64	2.85E-06	2.35E-06	5.20E-06	4.84E-07	3.77E-07	8.61E-07	2.30E-06	1.72E-06	4.03E-06	3.77E-07	3.34E-07	7.11E-07	2.82E-07	1.71E-07	4.52E-07
4235	563061.9	4235037.19	3.06E-06	2.52E-06	5.57E-06	5.19E-07	4.04E-07	9.22E-07	2.47E-06	1.85E-06	4.31E-06	4.04E-07	3.58E-07	7.62E-07	3.02E-07	1.83E-07	4.85E-07
4236	563070.35	4235041.74	3.25E-06	2.67E-06	5.92E-06	5.51E-07	4.29E-07	9.79E-07	2.62E-06	1.96E-06	4.58E-06	4.29E-07	3.80E-07	8.10E-07	3.21E-07	1.94E-07	5.15E-07
4237	563078.8	4235046.29	3.41E-06	2.81E-06	6.23E-06	5.79E-07	4.51E-07	1.03E-06	2.76E-06	2.06E-06	4.82E-06	4.52E-07	4.00E-07	8.52E-07	3.37E-07	2.04E-07	5.42E-07
4238	563087.26	4235050.84	3.56E-06	2.93E-06	6.49E-06	6.04E-07	4.70E-07	1.07E-06	2.88E-06	2.15E-06	5.03E-06	4.71E-07	4.17E-07	8.88E-07	3.52E-07	2.13E-07	5.65E-07
4239	563095.71	4235055.39	3.69E-06	3.04E-06	6.72E-06	6.25E-07	4.87E-07	1.11E-06	2.98E-06	2.23E-06	5.20E-06	4.87E-07	4.32E-07	9.19E-07	3.64E-07	2.21E-07	5.85E-07
4240	563104.16	4235059.94	3.81E-06	3.14E-06	6.95E-06	6.46E-07	5.03E-07	1.15E-06	3.08E-06	2.30E-06	5.38E-06	5.04E-07	4.46E-07	9.50E-07	3.76E-07	2.28E-07	6.04E-07
4241	563112.61	4235064.49	3.90E-06	3.21E-06	7.11E-06	6.61E-07	5.15E-07	1.18E-06	3.15E-06	2.36E-06	5.50E-06	5.16E-07	4.57E-07	9.72E-07	3.85E-07	2.33E-07	6.18E-07
4242	563121.06	4235069.04	3.95E-06	3.26E-06	7.21E-06	6.71E-07	5.22E-07	1.19E-06	3.19E-06	2.39E-06	5.58E-06	5.23E-07	4.63E-07	9.86E-07	3.90E-07	2.37E-07	6.27E-07
4243	563129.51	4235073.59	3.97E-06	3.27E-06	7.25E-06	6.74E-07	5.25E-07	1.20E-06	3.21E-06	2.40E-06	5.61E-06	5.25E-07	4.66E-07	9.91E-07	3.92E-07	2.38E-07	6.30E-07
4244	563137.96	4235078.14	3.97E-06	3.27E-06	7.24E-06	6.74E-07	5.24E-07	1.20E-06	3.21E-06	2.40E-06	5.60E-06	5.25E-07	4.65E-07	9.90E-07	3.92E-07	2.38E-07	6.30E-07
4245	563146.42	4235082.69	3.94E-06	3.25E-06	7.19E-06	6.69E-07	5.21E-07	1.19E-06	3.18E-06	2.38E-06	5.56E-06	5.21E-07	4.62E-07	9.83E-07	3.89E-07	2.36E-07	6.25E-07
4246	563154.87	4235087.23	3.89E-06	3.20E-06	7.09E-06	6.59E-07	5.13E-07	1.17E-06	3.14E-06	2.35E-06	5.49E-06	5.14E-07	4.55E-07	9.69E-07	3.84E-07	2.33E-07	6.16E-07
4247	563163.32	4235091.78	3.79E-06	3.12E-06	6.92E-06	6.43E-07	5.01E-07	1.14E-06	3.06E-06	2.29E-06	5.35E-06	5.02E-07	4.44E-07	9.46E-07	3.75E-07	2.27E-07	6.02E-07
4248	563171.77	4235096.33	3.68E-06	3.04E-06	6.72E-06	6.25E-07	4.87E-07	1.11E-06	2.97E-06	2.23E-06	5.20E-06	4.87E-07	4.32E-07	9.19E-07	3.64E-07	2.20E-07	5.84E-07
4249	562978.17	4235011.77	1.46E-06	1.20E-06	2.66E-06	2.47E-07	1.93E-07	4.40E-07	1.18E-06	8.81E-07	2.06E-06	1.93E-07	1.71E-07	3.64E-07	1.44E-07	8.72E-08	2.31E-07
4250	562971.53	4235005.14	1.39E-06	1.15E-06	2.54E-06	2.36E-07	1.84E-07	4.20E-07	1.12E-06	8.41E-07	1.97E-06	1.84E-07	1.63E-07	3.47E-07	1.37E-07	8.33E-08	2.21E-07
4251	562964.89	4234998.51	1.33E-06	1.10E-06	2.43E-06	2.26E-07	1.76E-07	4.02E-07	1.07E-06	8.04E-07	1.88E-06	1.76E-07	1.56E-07	3.32E-07	1.31E-07	7.97E-08	2.11E-07
4252	562958.25	4234991.89	1.27E-06	1.05E-06	2.33E-06	2.16E-07	1.68E-07	3.85E-07	1.03E-06	7.70E-07	1.80E-06	1.69E-07	1.49E-07	3.18E-07	1.26E-07	7.63E-08	2.02E-07
4253	562951.61	4234985.26	1.22E-06	1.01E-06	2.23E-06	2.08E-07	1.62E-07	3.69E-07	9.88E-07	7.40E-07	1.73E-06	1.62E-07	1.43E-07	3.05E-07	1.21E-07	7.32E-08	1.94E-07
4254	562944.97	4234978.63	1.18E-06	9.70E-07	2.15E-06	2.00E-07	1.56E-07	3.55E-07	9.51E-07	7.12E-07	1.66E-06	1.56E-07	1.38E-07	2.94E-07	1.16E-07	7.05E-08	1.87E-07
4255	562938.33	4234972	1.14E-06	9.37E-07	2.07E-06	1.93E-07	1.50E-07	3.43E-07	9.18E-07	6.87E-07	1.61E-06	1.50E-07	1.33E-07	2.84E-07	1.12E-07	6.81E-08	1.80E-07
4256	562931.69	4234965.37	1.10E-06	9.08E-07	2.01E-06	1.87E-07	1.46E-07	3.33E-07	8.90E-07	6.66E-07	1.56E-06	1.46E-07	1.29E-07	2.75E-07	1.09E-07	6.60E-08	1.75E-07
4257	562925.05	4234958.74	1.07E-06	8.84E-07	1.96E-06	1.82E-07	1.42E-07	3.24E-07	8.66E-07	6.48E-07	1.51E-06	1.42E-07	1.26E-07	2.68E-07	1.06E-07	6.42E-08	1.70E-07
4258	562918.41	4234952.11	1.05E-06	8.64E-07	1.91E-06	1.78E-07	1.39E-07	3.17E-07	8.47E-07	6.34E-07	1.48E-06	1.39E-07	1.23E-07	2.62E-07	1.04E-07	6.28E-08	1.66E-07
4259	562909.86	4234936.29	1.06E-06	8.70E-07	1.93E-06	1.79E-07	1.39E-07	3.19E-07	8.52E-07	6.38E-07	1.49E-06	1.40E-07	1.24E-07	2.63E-07	1.04E-07	6.32E-08	1.67E-07
4260	562907.96	4234927.1	1.09E-06	8.96E-07	1.98E-06	1.85E-07	1.44E-07	3.28E-07	8.79E-07	6.58E-07	1.54E-06	1.44E-07	1.28E-07	2.71E-07	1.07E-07	6.51E-08	1.73E-07
4261	562906.05	4234917.91	1.13E-06	9.30E-07	2.06E-06	1.92E-07	1.49E-07	3.41E-07	9.12E-07	6.82E-07	1.59E-06	1.49E-07	1.32E-07	2.82E-07	1.11E-07	6.76E-08	1.79E-07
4262	562904.14	4234908.73	1.18E-06	9.72E-07	2.15E-06	2.00E-07	1.56E-07	3.56E-07	9.52E-07	7.13E-07	1.66E-06	1.56E-07	1.38E-07	2.94E-07	1.16E-07	7.06E-08	1.87E-07
4263	562902.24	4234899.54	1.24E-06	1.02E-06	2.26E-06	2.10E-07	1.64E-07	3.74E-07	1.00E-06	7.50E-07	1.75E-06	1.64E-07	1.45E-07	3.09E-07	1.22E-07	7.42E-08	1.97E-07
4264	562900.33	4234890.35	1.31E-06	1.08E-06	2.39E-06	2.23E-07	1.73E-07	3.96E-07	1.06E-06	7.93E-07	1.85E-06	1.74E-07	1.54E-07	3.27E-07	1.30E-07	7.86E-08	2.08E-07
4265	562898.42	4234881.16	1.40E-06	1.15E-06	2.55E-06	2.37E-07	1.84E-07	4.22E-07	1.13E-06	8.44E-07	1.97E-06	1.85E-07	1.64E-07	3.48E-07	1.38E-07	8.36E-08	2.22E-07
4266	562896.52	4234871.97	1.49E-06	1.23E-06	2.72E-06	2.53E-07	1.97E-07	4.51E-07	1.21E-06	9.03E-07	2.11E-06	1.97E-07	1.75E-07	3.73E-07	1.47E-07	8.94E-08	2.37E-07
4267	562894.61	4234862.79	1.60E-06	1.32E-06	2.92E-06	2.72E-07	2.12E-07	4.83E-07	1.29E-06	9.68E-07	2.26E-06	2.12E-07	1.88E-07	4.00E-07	1.58E-07	9.59E-08	2.54E-07
4268	562892.7	4234853.6	1.72E-06	1.42E-06	3.14E-06	2.92E-07	2.27E-07	5.19E-07	1.39E-06	1.04E-06	2.43E-06	2.28E-07	2.02E-07	4.29E-07	1.70E-07	1.03E-07	2.73E-07
4269	562984.81	4235018.4	1.53E-06	1.26E-06	2.79E-06	2.59E-07	2.02E-07	4.61E-07	1.23E-06	9.23E-07	2.16E-06	2.02E-07	1.79E-07	3.81E-07	1.51E-07	9.14E-08	2.42E-07
4270	562993.26	4235022.95	1.63E-06	1.34E-06	2.97E-06	2.77E-07	2.15E-07	4.92E-07	1.32E-06	9.86E-07	2.30E-06	2.16E-07	1.91E-07	4.07E-07	1.61E-07	9.76E-08	2.59E-07
4271	563001.71	4235027.5	1.74E-06	1.44E-06	3.18E-06	2.96E-07	2.30E-07	5.26E-07	1.41E-06	1.05E-06	2.46E-06	2.31E-07	2.04E-07	4.35E-07	1.72E-07	1.04E-07	2.77E-07
4272	563010.16	4235032.05	1.87E-06	1.54E-06	3.40E-06	3.17E-07	2.46E-07	5.63E-07	1.51E-06	1.13E-06	2.63E-06	2.47E-07	2.19E-07	4.65E-07	1.84E-07	1.12E-07	2.96E-07
4273	563018.62	4235036.6	2.00E-06	1.64E-06	3.64E-06	3.39E-07	2.64E-07	6.02E-07	1.61E-06	1.21E-06	2.82E-06	2.64E-07	2.34E-07	4.98E-07	1.97E-07	1.19E-07	3.16E-07
4274	563027.07	4235041.15	2.13E-06	1.76E-06	3.89E-06	3.62E-07	2.82E-07	6.43E-07	1.72E-06	1.29E-06	3.01E-06	2.82E-07	2.50E-07	5.32E-07	2.11E-07	1.28E-07	3.38E-07

4275	563035.52	4235045.7	2.28E-06	1.88E-06	4.16E-06	3.87E-07	3.01E-07	6.88E-07	1.84E-06	1.38E-06	3.22E-06	3.01E-07	2.67E-07	5.68E-07	2.25E-07	1.36E-07	3.61E-07
4276	563043.97	4235050.25	2.44E-06	2.01E-06	4.46E-06	4.15E-07	3.23E-07	7.38E-07	1.97E-06	1.48E-06	3.45E-06	3.23E-07	2.86E-07	6.10E-07	2.41E-07	1.46E-07	3.88E-07
4277	563052.42	4235054.8	2.61E-06	2.15E-06	4.76E-06	4.43E-07	3.45E-07	7.88E-07	2.11E-06	1.58E-06	3.69E-06	3.45E-07	3.06E-07	6.52E-07	2.58E-07	1.56E-07	4.14E-07
4278	563060.87	4235059.35	2.78E-06	2.29E-06	5.07E-06	4.71E-07	3.67E-07	8.38E-07	2.24E-06	1.68E-06	3.92E-06	3.67E-07	3.25E-07	6.93E-07	2.74E-07	1.66E-07	4.41E-07
4279	563069.32	4235063.9	2.92E-06	2.41E-06	5.33E-06	4.96E-07	3.86E-07	8.82E-07	2.36E-06	1.77E-06	4.13E-06	3.86E-07	3.42E-07	7.29E-07	2.89E-07	1.75E-07	4.64E-07
4280	563077.78	4235068.45	3.05E-06	2.51E-06	5.56E-06	5.18E-07	4.03E-07	9.21E-07	2.46E-06	1.84E-06	4.31E-06	4.03E-07	3.57E-07	7.61E-07	3.01E-07	1.83E-07	4.84E-07
4281	563086.23	4235073	3.17E-06	2.61E-06	5.77E-06	5.37E-07	4.18E-07	9.55E-07	2.56E-06	1.91E-06	4.47E-06	4.19E-07	3.71E-07	7.89E-07	3.13E-07	1.89E-07	5.02E-07
4282	563094.68	4235077.55	3.26E-06	2.69E-06	5.95E-06	5.54E-07	4.31E-07	9.85E-07	2.64E-06	1.97E-06	4.61E-06	4.32E-07	3.82E-07	8.14E-07	3.22E-07	1.95E-07	5.18E-07
4283	563103.13	4235082.1	3.34E-06	2.76E-06	6.10E-06	5.68E-07	4.42E-07	1.01E-06	2.70E-06	2.02E-06	4.72E-06	4.42E-07	3.92E-07	8.34E-07	3.30E-07	2.00E-07	5.31E-07
4284	563111.58	4235086.65	3.40E-06	2.80E-06	6.20E-06	5.77E-07	4.49E-07	1.03E-06	2.75E-06	2.06E-06	4.80E-06	4.50E-07	3.98E-07	8.48E-07	3.36E-07	2.04E-07	5.39E-07
4285	563120.03	4235091.2	3.44E-06	2.83E-06	6.27E-06	5.83E-07	4.54E-07	1.04E-06	2.77E-06	2.08E-06	4.85E-06	4.54E-07	4.03E-07	8.57E-07	3.39E-07	2.06E-07	5.45E-07
4286	563128.48	4235095.75	3.46E-06	2.85E-06	6.30E-06	5.86E-07	4.56E-07	1.04E-06	2.79E-06	2.09E-06	4.88E-06	4.57E-07	4.05E-07	8.62E-07	3.41E-07	2.07E-07	5.48E-07
4287	563136.94	4235100.3	3.45E-06	2.84E-06	6.30E-06	5.86E-07	4.56E-07	1.04E-06	2.79E-06	2.09E-06	4.87E-06	4.57E-07	4.05E-07	8.61E-07	3.41E-07	2.07E-07	5.48E-07
4288	563145.39	4235104.85	3.42E-06	2.82E-06	6.24E-06	5.81E-07	4.52E-07	1.03E-06	2.76E-06	2.07E-06	4.83E-06	4.53E-07	4.01E-07	8.54E-07	3.38E-07	2.05E-07	5.43E-07
4289	563153.84	4235109.4	3.37E-06	2.77E-06	6.14E-06	5.71E-07	4.45E-07	1.02E-06	2.72E-06	2.04E-06	4.75E-06	4.45E-07	3.95E-07	8.40E-07	3.33E-07	2.02E-07	5.34E-07
4290	563162.29	4235113.94	3.30E-06	2.72E-06	6.02E-06	5.60E-07	4.36E-07	9.96E-07	2.67E-06	2.00E-06	4.66E-06	4.37E-07	3.87E-07	8.23E-07	3.26E-07	1.98E-07	5.24E-07
4291	562968.57	4235029.26	1.32E-06	1.09E-06	2.41E-06	2.24E-07	1.74E-07	3.98E-07	1.07E-06	7.98E-07	1.86E-06	1.75E-07	1.55E-07	3.29E-07	1.30E-07	7.90E-08	2.09E-07
4292	562961.8	4235022.51	1.26E-06	1.04E-06	2.30E-06	2.14E-07	1.67E-07	3.81E-07	1.02E-06	7.64E-07	1.78E-06	1.67E-07	1.48E-07	3.15E-07	1.25E-07	7.56E-08	2.00E-07
4293	562955.04	4235015.76	1.21E-06	9.97E-07	2.21E-06	2.05E-07	1.60E-07	3.65E-07	9.77E-07	7.31E-07	1.71E-06	1.60E-07	1.42E-07	3.02E-07	1.19E-07	7.24E-08	1.92E-07
4294	562948.28	4235009	1.16E-06	9.55E-07	2.11E-06	1.97E-07	1.53E-07	3.50E-07	9.36E-07	7.01E-07	1.64E-06	1.53E-07	1.36E-07	2.89E-07	1.15E-07	6.94E-08	1.84E-07
4295	562941.51	4235002.25	1.11E-06	9.17E-07	2.03E-06	1.89E-07	1.47E-07	3.36E-07	8.99E-07	6.73E-07	1.57E-06	1.47E-07	1.30E-07	2.78E-07	1.10E-07	6.66E-08	1.77E-07
4296	562934.75	4234995.5	1.07E-06	8.82E-07	1.95E-06	1.82E-07	1.41E-07	3.23E-07	8.65E-07	6.47E-07	1.51E-06	1.42E-07	1.26E-07	2.67E-07	1.06E-07	6.41E-08	1.70E-07
4297	562927.99	4234988.75	1.03E-06	8.51E-07	1.88E-06	1.75E-07	1.36E-07	3.12E-07	8.34E-07	6.24E-07	1.46E-06	1.37E-07	1.21E-07	2.58E-07	1.02E-07	6.18E-08	1.64E-07
4298	562921.23	4234981.99	9.99E-07	8.23E-07	1.82E-06	1.70E-07	1.32E-07	3.01E-07	8.07E-07	6.04E-07	1.41E-06	1.32E-07	1.17E-07	2.49E-07	9.87E-08	5.98E-08	1.58E-07
4299	562914.46	4234975.24	9.69E-07	7.99E-07	1.77E-06	1.64E-07	1.28E-07	2.93E-07	7.83E-07	5.86E-07	1.37E-06	1.28E-07	1.14E-07	2.42E-07	9.57E-08	5.80E-08	1.54E-07
4300	562907.7	4234968.49	9.44E-07	7.78E-07	1.72E-06	1.60E-07	1.25E-07	2.85E-07	7.63E-07	5.71E-07	1.33E-06	1.25E-07	1.11E-07	2.36E-07	9.33E-08	5.65E-08	1.50E-07
4301	562900.94	4234961.74	9.24E-07	7.61E-07	1.69E-06	1.57E-07	1.22E-07	2.79E-07	7.46E-07	5.58E-07	1.30E-06	1.22E-07	1.08E-07	2.30E-07	9.13E-08	5.53E-08	1.47E-07
4302	562892.23	4234945.63	9.27E-07	7.64E-07	1.69E-06	1.57E-07	1.22E-07	2.80E-07	7.49E-07	5.61E-07	1.31E-06	1.23E-07	1.09E-07	2.31E-07	9.16E-08	5.55E-08	1.47E-07
4303	562890.29	4234936.27	9.53E-07	7.85E-07	1.74E-06	1.62E-07	1.26E-07	2.88E-07	7.69E-07	5.76E-07	1.35E-06	1.26E-07	1.12E-07	2.38E-07	9.41E-08	5.70E-08	1.51E-07
4304	562888.35	4234926.91	9.85E-07	8.12E-07	1.80E-06	1.67E-07	1.30E-07	2.97E-07	7.96E-07	5.95E-07	1.39E-06	1.30E-07	1.15E-07	2.46E-07	9.73E-08	5.90E-08	1.56E-07
4305	562886.41	4234917.55	1.03E-06	8.45E-07	1.87E-06	1.74E-07	1.35E-07	3.09E-07	8.28E-07	6.20E-07	1.45E-06	1.36E-07	1.20E-07	2.56E-07	1.01E-07	6.14E-08	1.63E-07
4306	562884.46	4234908.19	1.07E-06	8.85E-07	1.96E-06	1.82E-07	1.42E-07	3.24E-07	8.67E-07	6.49E-07	1.52E-06	1.42E-07	1.26E-07	2.68E-07	1.06E-07	6.43E-08	1.70E-07
4307	562882.52	4234898.84	1.13E-06	9.33E-07	2.06E-06	1.92E-07	1.50E-07	3.42E-07	9.14E-07	6.84E-07	1.60E-06	1.50E-07	1.33E-07	2.82E-07	1.12E-07	6.78E-08	1.80E-07
4308	562880.58	4234889.48	1.20E-06	9.89E-07	2.19E-06	2.04E-07	1.58E-07	3.62E-07	9.69E-07	7.25E-07	1.69E-06	1.59E-07	1.41E-07	2.99E-07	1.19E-07	7.18E-08	1.90E-07
4309	562878.64	4234880.12	1.28E-06	1.05E-06	2.33E-06	2.17E-07	1.69E-07	3.86E-07	1.03E-06	7.73E-07	1.81E-06	1.69E-07	1.50E-07	3.19E-07	1.26E-07	7.65E-08	2.03E-07
4310	562876.7	4234870.76	1.36E-06	1.12E-06	2.48E-06	2.31E-07	1.80E-07	4.11E-07	1.10E-06	8.23E-07	1.92E-06	1.80E-07	1.60E-07	3.40E-07	1.35E-07	8.15E-08	2.16E-07
4311	562874.76	4234861.41	1.45E-06	1.19E-06	2.64E-06	2.45E-07	1.91E-07	4.37E-07	1.17E-06	8.74E-07	2.04E-06	1.91E-07	1.70E-07	3.61E-07	1.43E-07	8.66E-08	2.29E-07
4312	562872.81	4234852.05	1.53E-06	1.26E-06	2.80E-06	2.60E-07	2.02E-07	4.63E-07	1.24E-06	9.26E-07	2.16E-06	2.03E-07	1.80E-07	3.82E-07	1.51E-07	9.18E-08	2.43E-07
4313	562975.33	4235036.02	1.38E-06	1.14E-06	2.52E-06	2.34E-07	1.82E-07	4.17E-07	1.11E-06	8.34E-07	1.95E-06	1.83E-07	1.62E-07	3.44E-07	1.36E-07	8.26E-08	2.19E-07
4314	562983.78	4235040.56	1.47E-06	1.21E-06	2.68E-06	2.49E-07	1.94E-07	4.43E-07	1.19E-06	8.87E-07	2.07E-06	1.94E-07	1.72E-07	3.66E-07	1.45E-07	8.79E-08	2.33E-07
4315	562992.23	4235045.11	1.56E-06	1.29E-06	2.85E-06	2.65E-07	2.06E-07	4.71E-07	1.26E-06	9.44E-07	2.21E-06	2.07E-07	1.83E-07	3.90E-07	1.54E-07	9.35E-08	2.48E-07
4316	563000.68	4235049.66	1.66E-06	1.37E-06	3.03E-06	2.82E-07	2.20E-07	5.02E-07	1.34E-06	1.00E-06	2.35E-06	2.20E-07	1.95E-07	4.15E-07	1.64E-07	9.95E-08	2.64E-07
4317	563009.14	4235054.21	1.77E-06	1.46E-06	3.23E-06	3.00E-07	2.34E-07	5.34E-07	1.43E-06	1.07E-06	2.50E-06	2.34E-07	2.07E-07	4.41E-07	1.75E-07	1.06E-07	2.81E-07
4318	563017.59	4235058.76	1.88E-06	1.55E-06	3.43E-06	3.19E-07	2.49E-07	5.68E-07	1.52E-06	1.14E-06	2.66E-06	2.49E-07	2.21E-07	4.70E-07	1.86E-07	1.13E-07	2.99E-07
4319	563026.04	4235063.31	2.00E-06	1.65E-06	3.65E-06	3.39E-07	2.64E-07	6.03E-07	1.61E-06	1.21E-06	2.82E-06	2.64E-07	2.34E-07	4.99E-07	1.97E-07	1.20E-07	3.17E-07
4320	563034.49	4235067.86	2.12E-06	1.75E-06	3.87E-06	3.60E-07	2.80E-07	6.40E-07	1.71E-06	1.28E-06	2.99E-06	2.81E-07	2.49E-07	5.29E-07	2.10E-07	1.27E-07	3.36E-07
4321	563042.94	4235072.41	2.26E-06	1.86E-06	4.12E-06	3.83E-07	2.98E-07	6.82E-07	1.82E-06	1.37E-06	3.19E-06	2.99E-07	2.65E-07	5.64E-07	2.23E-07	1.35E-07	3.58E-07
4322	563051.39	4235076.96	2.40E-06	1.98E-06	4.37E-06	4.07E-07	3.17E-07	7.24E-07	1.94E-06	1.45E-06	3.39E-06	3.17E-07	2.81E-07	5.98E-07	2.37E-07	1.44E-07	3.80E-07
4323	563059.84	4235081.51	2.53E-06	2.09E-06	4.62E-06	4.30E-07	3.34E-07	7.64E-07	2.04E-06	1.53E-06	3.58E-06	3.35E-07	2.97E-07	6.32E-07	2.50E-07	1.52E-07	4.02E-07
4324	563068.3	4235086.06	2.65E-06	2.18E-06	4.84E-06	4.50E-07	3.50E-07	8.00E-07	2.14E-06	1.60E-06	3.74E-06	3.51E-07	3.11E-07	6.61E-07	2.62E-07	1.59E-07	4.21E-07
4325	563076.75	4235090.61	2.75E-06	2.27E-06	5.02E-06	4.67E-07	3.63E-07	8.30E-07	2.22E-06	1.66E-06	3.89E-06	3.64E-07	3.23E-07	6.86E-07	2.72E-07	1.65E-07	4.37E-07
4326	563085.2	4235095.16	2.84E-06	2.34E-06	5.18E-06	4.82E-07	3.75E-07	8.57E-07	2.29E-06	1.72E-06	4.01E-06	3.76E-07	3.33E-07	7.09E-07	2.81E-07	1.70E-07	4.51E-07
4327	563093.65	4235099.71	2.92E-06	2.40E-06	5.32E-06	4.95E-07	3.85E-07	8.80E-07	2.35E-06	1.76E-06	4.12E-06	3.86E-07	3.42E-07	7.27E-07	2.88E-07	1.75E-07	4.63E-07
4328	563102.1	4235104.26	2.98E-06	2.45E-06	5.43E-06	5.05E-07	3.93E-07	8.98E-07	2.40E-06	1.80E-06	4.20E-06	3.94E-07	3.49E-07	7.42E-07	2.94E-07	1.78E-07	4.72E-07
4329	563110.55	4235108.81	3.02E-06	2.49E-06	5.51E-06	5.12E-07	3.99E-07	9.11E-07	2.44E-06	1.82E-06	4.26E-06	3.99E-07	3.54E-07	7.53E-07	2.98E-07	1.81E-07	4.79E-07
4330	563119	4235113.36	3.04E-06	2.51E-06	5.55E-06	5.17E-07	4.02E-07	9.19E-07	2.46E-06	1.84E-06	4.30E-06	4.03E-07	3.57E-07	7.59E-07	3.01E-07	1.82E-07	4.83E-07
4331	563127.46	4235117.91	3.05E-06	2.51E-06	5.56E-06	5.18E-07	4.03E-07	9.21E-07	2.46E-06	1.84E-06	4.31E-06	4.03E-07	3.58E-07	7.61E-07	3.01E-07	1.83E-07	4.84E-07
4332	563135.91	4235122.46	3.04E-06	2.50E-06	5.54E-06	5.16E-07	4.01E-07	9.17E-07	2.45E-06	1.84E-06	4.29E-06	4.02E-07	3.56E-07	7.58E-07	3.00E-07	1.82E-07	4.82E-07
4333	563144.36	4235127.01	3.01E-06	2.48E-06	5.49E-06	5.11E-07	3.98E-07	9.09E-07	2.43E-06	1.82E-06	4.25E-06	3.98E-07	3.53E-07	7.51E-07	2.97E-07	1.80E-07	4.78E-07
4334	563152.81	4235131.56	2.97E-06	2.44E-06	5.41E-06	5.03E-07	3.92E-07	8.95E-07	2.40E-06	1.79E-06	4.19E-06	3.92E-07	3.48E-07	7.40E-07	2.93E-07	1.78E-07	4.71E-07
4335	562959.47	4235047.26	1.21E-06	9.95E-07	2.20E-06	2.05E-07	1.60E-07	3.64E-07	9.75E-07	7.30E-07	1.71E-06	1.60E-07	1.42E-07	3.01E-07	1.19E-07	7.23E-08	1.92E-07
4336	562953.1	4235040.89	1.16E-06	9.57E-07	2.12E-06	1.97E-07	1.53E-07	3.50E-07	9.38E-07	7.02E-07	1.64E-06	1.54E-07	1.36E-07	2.90E-07	1.15E-07	6.95E-08	1.84E-07
4337	562946.72	4235034.53	1.12E-06	9.20E-07	2.04E-06	1.89E-07	1.47E-07	3.37E-07	9.02E-07	6.75E-07	1.58E-06	1.48E-07	1.31E-07	2.79E-07	1.10E-07	6.68E-08	1.77E-07
4338	562940.34	4235028.16	1.07E-06	8.85E-07	1.96E-06	1.82E-07	1.42E-07	3.24E-07	8.68E-07	6.49E-07	1.52E-06	1.42E-07	1.26E-07	2.68E-07	1.06E-07	6.43E-08	1.70E-07
4339	562927.59	4235015.42	9.98E-07	8.22E-07	1.82E-06	1.69E-07	1.32E-07	3.01E-07	8.06E-07	6.03E-07	1.41E-06	1.32E-07	1.17E-07	2.49E-07	9.86E-08	5.97E-08	1.58E-07
4340	562921.21	4235009.06	9.64E-07	7.94E-07	1.76E-06	1.64E-07	1.27E-07	2.91E-07	7.78E-07	5.82E-07	1.36E-06	1.27E-07	1.13E-07	2.40E-07	9.52E-08	5.77E-08	1.53E-07
4341	562914.84	4235002.69	9.32E-07	7.68E-07	1.70E-06	1.58E-07	1.23E-07	2.81E-07	7.53E-07	5.63E-07	1.32E-06	1.23E-07	1.09E-07	2.33E-07	9.21E-08	5.58E-08	1.48E-07
4342	562902.08	4234989.96	8.78E-07	7.24E-07	1.60E-06	1.49E-07	1.16E-07	2.65E-07	7.09E-07	5.31E-07	1.24E-06	1.16E-07	1.03E-07	2.19E-07	8.67E-08	5.26E-08	1.39E-07
4343	562895.71	4234983.59	8.56E-07	7.05E-07	1.56E-06	1.45E-07	1.13E-07	2.58E-07	6.91E-07	5.17E-07	1.21E-06	1.13E-07	1.00E-07	2.13E-07	8.45E-08	5.12E-08	1.36E-07
4344	562889.33	4234977.22	8.37E-07	6.89E-07	1.53E-06	1.42E-07	1.10E-07	2.52E-07	6.75E-07	5.06E-07	1.18E-06	1.11E-07	9.80E-08	2.09E-07	8.26E-08	5.01E-08	1.33E-07
4345	562874.75	4234955.67	8.22E-07	6.77E-07	1.50E-06	1.39E-07	1.09E-07	2.48E-07	6.63E-07	4.97E-07	1.16E-06	1.09E-07	9.63E-08	2.05E-07	8.12E-08	4.92E-08	1.30E-07
4346	562871.08	4234938.02	8.63E-07	7.11E-07	1.57E-06	1.46E-07	1.14E-07	2.60E-07	6.97E-07	5.22E-07	1.22E-06	1.14E-07	1.01E-07	2.15E-07	8.52E-08	5.17E-08	1.37E-07
4347	562869.25	4234929.2	8.91E-07	7.34E-07	1.63E-06	1.51E-07	1.18E-07	2.69E-07	7.20E-07	5.39E-07	1.26E-06	1.18E-07	1.04E-07	2.22E-07	8.80E-08	5.33E-08	1.41E-07
4348	562865.59	4234911.55	9.66E-07	7.96E-07	1.76E-06	1.64E-07	1.28E-07	2.91E-07	7.80E-07	5.84E-07	1.36E-06	1.28E-07	1.13E-07	2.41E-07	9.54E-08	5.78E-08	1.53E-07
4349	562863.76	4234902.73	1.01E-06	8.35E-07	1.85E-06	1.72E-07	1.34E-07	3.06E-07	8.18E-07	6.12E-07	1.43E-06	1.34E-07	1.19E-07	2.53E-07	1.00E-07	6.07E-08	1.61E-07
4350	562860.1	4234885.08	1.13E-06	9.32E-07	2.06E-06	1.92E-07	1.49E-07	3.41E-07	9.13E-07	6.84E-07	1.60E-06	1.50E-07	1.33E-07	2.82E-07	1.12E-07	6.77E-08	1.79E-07
4351	562856.44	4234867.44	1.25E-06	1.03E-06	2.28E-06	2.12E-07	1.65E-07	3.77E-07	1.01E-06	7.55E-07	1.76E-06	1.65E-07	1.46E-07	3.12E-07	1.23E-07	7.48E-08	1.98E-07
4352	562854.61	4234858.61	1.30E-06	1.07E-06	2.37E-06	2.21E-07	1.72E-07	3.92E-07	1.05E-06	7.86E-07	1.84E-06	1.72E-07	1.52E-07	3.24E-07	1.28E-07	7.78E-08	2.06E-07
4353	562974.3	4235058.18	1.33E-06	1.10E-06	2.43E-06	2.26E-07	1.76E-07	4.02E-07	1.07E-06	8.04E-07	1.88E-06	1.76E-07	1.56E-07	3.32E-07	1.31E-07	7.97E-08	2.11E-07
4354	562982.75	4235062.72	1.41E-06	1.16E-06	2.57E-06	2.39E-07	1.86E-07	4.26E-07	1.14E-06	8.52E-07	1.99E-06	1.86E-07	1.65E-07	3.52E-07	1.39E-07	8.44E-08	2.24E-07
4355	562991.2	4235067.27	1.49E-06	1.23E-06	2.73E-06	2.54E-07	1.97E-07	4.51E-07	1.21E-06	9.03E-07	2.11E-06	1.98E-07	1.75E-07	3.73E-07	1.48E-07	8.95E-08	2.37E-07
4356	562999.66	4235071.82	1.58E-06	1.31E-06	2.89E-06	2.69E-07	2.09E-07	4.78E-07	1.28E-06	9.57E-07	2.24E-06	2.09E-07	1.86E-07	3.95E-07	1.56E-07	9.48E-08	2.51E-07
4357	563008.11	4235076.37	1.68E-06	1.38E-06	3.06E-06	2.85E-07	2.22E-07	5.06E-07	1.35E-06	1.01E-06	2.37E-06	2.22E-07	1.97E-07	4.18E-07	1.66E-07	1.00E-07	2.66E-07
4358	563016.56	4235080.92	1.77E-06	1.46E-06	3.24E-06	3.01E-07	2.34E-07	5.36E-07	1.43E-06	1.07E-06	2.51E-06	2.35E-07	2.08E-07	4.43E-07	1.75E-07	1.06E-07	2.82E-07
4359	563025.01	4235085.47	1.87E-06	1.54E-06	3.42E-06	3.18E-07	2.48E-07	5.66E-07	1.51E-06	1.13E-06	2.65E-06	2.48E-07	2.20E-07	4.68E-07	1.85E-07	1.12E-07	2.97E-07
4360	563033.46	4235090.02	1.98E-06	1.63E-06	3.60E-06	3.35E-07	2.61E-07	5.96E-07	1.60E-06	1.19E-06	2.79E-06	2.61E-07	2.32E-07	4.93E-07	1.95E-07	1.18E-07	3.13E-07
4361	563041.91	4235094.57	2.09E-06	1.72E-06	3.82E-06	3.55E-07	2.76E-07	6.31E-07	1.69E-06	1.26E-06	2.95E-06	2.77E-07	2.45E-07	5.22E-07	2.07E-07	1.25E-07	3.32E-07
4362	563050.36	4235099.12	2.21E-06	1.82E-06	4.03E-06	3.74E-07	2.92E-07	6.66E-07	1.78E-06	1.33E-06	3.12E-06	2.92E-07	2.59E-07	5.51E-07	2.18E-07	1.32E-07	3.50E-07
4363	563058.82	4235103.67	2.32E-06	1.91E-06	4.23E-06	3.93E-07	3.06E-07	6.99E-07	1.87E-06	1.40E-06	3.27E-06	3.07E-07	2.72E-07	5.78E-07	2.29E-07	1.39E-07	3.68E-07
4364	563067.27	4235108.22	2.42E-06	1.99E-06	4.40E-06	4.10E-07	3.19E-07	7.29E-07	1.95E-06	1.46E-06	3.41E-06	3.19E-07	2.83E-07	6.02E-07	2.39E-07	1.45E-07	3.83E-07
4365	563075.72	4235112.77	2.50E-06	2.06E-06	4.55E-06	4.23E-07	3.30E-07	7.53E-07	2.01E-06	1.51E-06	3.52E-06	3.30E-07	2.92E-07	6.22E-07	2.46E-07	1.49E-07	3.96E-07
4366	563084.17	4235117.32	2.56E-06	2.11E-06	4.68E-06	4.35E-07	3.39E-07	7.74E-07	2.07E-06	1.55E-06	3.62E-06	3.39E-07	3.01E-07	6.40E-07	2.53E-07	1.54E-07	4.07E-07
4367	563092.62	4235121.87	2.62E-06	2.16E-06	4.78E-06	4.45E-07	3.46E-07	7.92E-07	2.12E-06	1.59E-06	3.70E-06	3.47E-07	3.07E-07	6.54E-07	2.59E-07	1.57E-07	4.16E-07

4368	563101.07	4235126.42	2.67E-06	2.20E-06	4.87E-06	4.53E-07	3.53E-07	8.05E-07	2.16E-06	1.61E-06	3.77E-06	3.53E-07	3.13E-07	6.66E-07	2.64E-07	1.60E-07	4.23E-07
4369	563109.52	4235130.97	2.70E-06	2.23E-06	4.93E-06	4.58E-07	3.57E-07	8.15E-07	2.18E-06	1.63E-06	3.81E-06	3.57E-07	3.17E-07	6.74E-07	2.67E-07	1.62E-07	4.28E-07
4370	563117.98	4235135.52	2.72E-06	2.24E-06	4.96E-06	4.61E-07	3.59E-07	8.20E-07	2.19E-06	1.64E-06	3.84E-06	3.59E-07	3.19E-07	6.78E-07	2.68E-07	1.63E-07	4.31E-07
4371	563126.43	4235140.07	2.72E-06	2.24E-06	4.96E-06	4.62E-07	3.59E-07	8.21E-07	2.20E-06	1.64E-06	3.84E-06	3.60E-07	3.19E-07	6.79E-07	2.69E-07	1.63E-07	4.32E-07
4372	563134.88	4235144.62	2.71E-06	2.23E-06	4.94E-06	4.60E-07	3.58E-07	8.17E-07	2.19E-06	1.64E-06	3.82E-06	3.58E-07	3.17E-07	6.76E-07	2.67E-07	1.62E-07	4.30E-07
4373	563143.33	4235149.17	2.68E-06	2.21E-06	4.89E-06	4.55E-07	3.54E-07	8.10E-07	2.17E-06	1.62E-06	3.79E-06	3.55E-07	3.14E-07	6.69E-07	2.65E-07	1.61E-07	4.26E-07
4374	562949.88	4235064.75	1.11E-06	9.12E-07	2.02E-06	1.88E-07	1.46E-07	3.34E-07	8.94E-07	6.69E-07	1.56E-06	1.46E-07	1.30E-07	2.76E-07	1.09E-07	6.63E-08	1.76E-07
4375	562943.38	4235058.27	1.07E-06	8.78E-07	1.94E-06	1.81E-07	1.41E-07	3.22E-07	8.61E-07	6.44E-07	1.50E-06	1.41E-07	1.25E-07	2.66E-07	1.05E-07	6.38E-08	1.69E-07
4376	562936.89	4235051.79	1.03E-06	8.46E-07	1.87E-06	1.74E-07	1.36E-07	3.10E-07	8.29E-07	6.20E-07	1.45E-06	1.36E-07	1.20E-07	2.56E-07	1.01E-07	6.14E-08	1.63E-07
4377	562930.4	4235045.31	9.89E-07	8.15E-07	1.80E-06	1.68E-07	1.31E-07	2.98E-07	7.98E-07	5.98E-07	1.40E-06	1.31E-07	1.16E-07	2.47E-07	9.76E-08	5.92E-08	1.57E-07
4378	562923.91	4235038.82	9.53E-07	7.85E-07	1.74E-06	1.62E-07	1.26E-07	2.88E-07	7.70E-07	5.76E-07	1.35E-06	1.26E-07	1.12E-07	2.38E-07	9.41E-08	5.70E-08	1.51E-07
4379	562917.41	4235032.34	9.19E-07	7.58E-07	1.68E-06	1.56E-07	1.21E-07	2.77E-07	7.42E-07	5.56E-07	1.30E-06	1.22E-07	1.08E-07	2.29E-07	9.08E-08	5.50E-08	1.46E-07
4380	562910.92	4235025.86	8.88E-07	7.32E-07	1.62E-06	1.51E-07	1.17E-07	2.68E-07	7.17E-07	5.37E-07	1.25E-06	1.17E-07	1.04E-07	2.22E-07	8.77E-08	5.32E-08	1.41E-07
4381	562904.43	4235019.38	8.59E-07	7.08E-07	1.57E-06	1.46E-07	1.13E-07	2.59E-07	6.94E-07	5.19E-07	1.21E-06	1.14E-07	1.01E-07	2.14E-07	8.48E-08	5.14E-08	1.36E-07
4382	562897.94	4235012.89	8.32E-07	6.86E-07	1.52E-06	1.41E-07	1.10E-07	2.51E-07	6.72E-07	5.03E-07	1.17E-06	1.10E-07	9.75E-08	2.08E-07	8.22E-08	4.98E-08	1.32E-07
4383	562891.44	4235006.41	8.08E-07	6.66E-07	1.47E-06	1.37E-07	1.07E-07	2.44E-07	6.52E-07	4.88E-07	1.14E-06	1.07E-07	9.47E-08	2.02E-07	7.98E-08	4.84E-08	1.28E-07
4384	562884.95	4234999.93	7.86E-07	6.48E-07	1.43E-06	1.33E-07	1.04E-07	2.37E-07	6.35E-07	4.75E-07	1.11E-06	1.04E-07	9.21E-08	1.96E-07	7.76E-08	4.70E-08	1.25E-07
4385	562878.46	4234993.45	7.67E-07	6.32E-07	1.40E-06	1.30E-07	1.01E-07	2.31E-07	6.19E-07	4.63E-07	1.08E-06	1.01E-07	8.98E-08	1.91E-07	7.57E-08	4.59E-08	1.22E-07
4386	562871.97	4234986.96	7.50E-07	6.18E-07	1.37E-06	1.27E-07	9.90E-08	2.26E-07	6.05E-07	4.53E-07	1.06E-06	9.92E-08	8.79E-08	1.87E-07	7.41E-08	4.49E-08	1.19E-07
4387	562865.47	4234980.48	7.36E-07	6.06E-07	1.34E-06	1.25E-07	9.72E-08	2.22E-07	5.94E-07	4.45E-07	1.04E-06	9.73E-08	8.62E-08	1.84E-07	7.27E-08	4.40E-08	1.17E-07
4388	562857.12	4234965.01	7.36E-07	6.06E-07	1.34E-06	1.25E-07	9.72E-08	2.22E-07	5.94E-07	4.45E-07	1.04E-06	9.73E-08	8.62E-08	1.83E-07	7.26E-08	4.40E-08	1.17E-07
4389	562855.25	4234956.03	7.50E-07	6.18E-07	1.37E-06	1.27E-07	9.91E-08	2.26E-07	6.06E-07	4.54E-07	1.06E-06	9.92E-08	8.79E-08	1.87E-07	7.41E-08	4.49E-08	1.19E-07
4390	562853.39	4234947.05	7.69E-07	6.34E-07	1.40E-06	1.30E-07	1.02E-07	2.32E-07	6.21E-07	4.65E-07	1.09E-06	1.02E-07	9.01E-08	1.92E-07	7.60E-08	4.60E-08	1.22E-07
4391	562851.53	4234938.06	7.92E-07	6.53E-07	1.44E-06	1.34E-07	1.05E-07	2.39E-07	6.40E-07	4.79E-07	1.12E-06	1.05E-07	9.28E-08	1.98E-07	7.82E-08	4.74E-08	1.26E-07
4392	562849.66	4234929.08	8.20E-07	6.76E-07	1.50E-06	1.39E-07	1.08E-07	2.47E-07	6.62E-07	4.96E-07	1.16E-06	1.08E-07	9.61E-08	2.05E-07	8.10E-08	4.91E-08	1.30E-07
4393	562847.8	4234920.1	8.53E-07	7.03E-07	1.56E-06	1.45E-07	1.13E-07	2.57E-07	6.89E-07	5.16E-07	1.20E-06	1.13E-07	1.00E-07	2.13E-07	8.43E-08	5.11E-08	1.35E-07
4394	562845.93	4234911.11	8.92E-07	7.35E-07	1.63E-06	1.51E-07	1.18E-07	2.69E-07	7.20E-07	5.39E-07	1.26E-06	1.18E-07	1.05E-07	2.23E-07	8.81E-08	5.34E-08	1.42E-07
4395	562844.07	4234902.13	9.37E-07	7.72E-07	1.71E-06	1.59E-07	1.24E-07	2.83E-07	7.57E-07	5.67E-07	1.32E-06	1.24E-07	1.10E-07	2.34E-07	9.26E-08	5.61E-08	1.49E-07
4396	562842.21	4234893.15	9.89E-07	8.15E-07	1.80E-06	1.68E-07	1.31E-07	2.99E-07	7.99E-07	5.98E-07	1.40E-06	1.31E-07	1.16E-07	2.47E-07	9.77E-08	5.92E-08	1.57E-07
4397	562840.34	4234884.16	1.05E-06	8.64E-07	1.91E-06	1.78E-07	1.39E-07	3.16E-07	8.47E-07	6.34E-07	1.48E-06	1.39E-07	1.23E-07	2.62E-07	1.04E-07	6.28E-08	1.66E-07
4398	562838.48	4234875.18	1.11E-06	9.17E-07	2.03E-06	1.89E-07	1.47E-07	3.36E-07	8.99E-07	6.73E-07	1.57E-06	1.47E-07	1.30E-07	2.78E-07	1.10E-07	6.66E-08	1.77E-07
4399	562836.61	4234866.2	1.17E-06	9.67E-07	2.14E-06	1.99E-07	1.55E-07	3.54E-07	9.48E-07	7.09E-07	1.66E-06	1.55E-07	1.38E-07	2.93E-07	1.16E-07	7.02E-08	1.86E-07
4400	562834.75	4234857.21	1.24E-06	1.02E-06	2.27E-06	2.11E-07	1.64E-07	3.75E-07	1.00E-06	7.51E-07	1.76E-06	1.64E-07	1.46E-07	3.10E-07	1.23E-07	7.44E-08	1.97E-07
4401	562832.89	4234848.23	1.32E-06	1.09E-06	2.41E-06	2.24E-07	1.75E-07	3.99E-07	1.07E-06	7.99E-07	1.87E-06	1.75E-07	1.55E-07	3.30E-07	1.31E-07	7.92E-08	2.10E-07
4402	562964.82	4235075.79	1.21E-06	1.00E-06	2.21E-06	2.06E-07	1.60E-07	3.66E-07	9.80E-07	7.34E-07	1.71E-06	1.61E-07	1.42E-07	3.03E-07	1.20E-07	7.27E-08	1.93E-07
4403	562973.27	4235080.34	1.28E-06	1.06E-06	2.34E-06	2.17E-07	1.69E-07	3.87E-07	1.03E-06	7.75E-07	1.81E-06	1.69E-07	1.50E-07	3.20E-07	1.27E-07	7.67E-08	2.03E-07
4404	562981.72	4235084.88	1.35E-06	1.11E-06	2.47E-06	2.30E-07	1.79E-07	4.08E-07	1.09E-06	8.18E-07	1.91E-06	1.79E-07	1.59E-07	3.38E-07	1.34E-07	8.10E-08	2.15E-07
4405	562990.18	4235089.43	1.43E-06	1.18E-06	2.61E-06	2.42E-07	1.89E-07	4.31E-07	1.15E-06	8.63E-07	2.02E-06	1.89E-07	1.67E-07	3.56E-07	1.41E-07	8.55E-08	2.27E-07
4406	562998.63	4235093.98	1.51E-06	1.24E-06	2.75E-06	2.56E-07	1.99E-07	4.55E-07	1.22E-06	9.11E-07	2.13E-06	1.99E-07	1.77E-07	3.76E-07	1.49E-07	9.02E-08	2.39E-07
4407	563007.08	4235098.53	1.59E-06	1.31E-06	2.90E-06	2.70E-07	2.10E-07	4.80E-07	1.28E-06	9.60E-07	2.24E-06	2.10E-07	1.86E-07	3.96E-07	1.57E-07	9.51E-08	2.52E-07
4408	563015.53	4235103.08	1.67E-06	1.38E-06	3.05E-06	2.84E-07	2.21E-07	5.05E-07	1.35E-06	1.01E-06	2.36E-06	2.21E-07	1.96E-07	4.17E-07	1.65E-07	1.00E-07	2.65E-07
4409	563023.98	4235107.63	1.76E-06	1.45E-06	3.21E-06	2.98E-07	2.32E-07	5.31E-07	1.42E-06	1.06E-06	2.48E-06	2.33E-07	2.06E-07	4.39E-07	1.74E-07	1.05E-07	2.79E-07
4410	563032.43	4235112.18	1.84E-06	1.52E-06	3.36E-06	3.13E-07	2.44E-07	5.56E-07	1.49E-06	1.11E-06	2.60E-06	2.44E-07	2.16E-07	4.60E-07	1.82E-07	1.10E-07	2.92E-07
4411	563040.88	4235116.73	1.94E-06	1.60E-06	3.54E-06	3.29E-07	2.56E-07	5.85E-07	1.57E-06	1.17E-06	2.74E-06	2.57E-07	2.27E-07	4.84E-07	1.92E-07	1.16E-07	3.08E-07
4412	563049.34	4235121.28	2.03E-06	1.67E-06	3.71E-06	3.45E-07	2.68E-07	6.13E-07	1.64E-06	1.23E-06	2.87E-06	2.69E-07	2.38E-07	5.07E-07	2.01E-07	1.22E-07	3.22E-07
4413	563057.79	4235125.83	2.12E-06	1.74E-06	3.86E-06	3.59E-07	2.79E-07	6.38E-07	1.71E-06	1.28E-06	2.99E-06	2.80E-07	2.48E-07	5.28E-07	2.09E-07	1.27E-07	3.36E-07
4414	563066.24	4235130.38	2.19E-06	1.80E-06	3.99E-06	3.71E-07	2.89E-07	6.60E-07	1.77E-06	1.32E-06	3.09E-06	2.89E-07	2.56E-07	5.46E-07	2.16E-07	1.31E-07	3.47E-07
4415	563074.69	4235134.93	2.25E-06	1.86E-06	4.11E-06	3.83E-07	2.98E-07	6.80E-07	1.82E-06	1.36E-06	3.18E-06	2.98E-07	2.64E-07	5.62E-07	2.23E-07	1.35E-07	3.58E-07
4416	563083.14	4235139.48	2.32E-06	1.91E-06	4.22E-06	3.93E-07	3.06E-07	6.99E-07	1.87E-06	1.40E-06	3.27E-06	3.06E-07	2.71E-07	5.78E-07	2.29E-07	1.39E-07	3.67E-07
4417	563091.59	4235144.03	2.37E-06	1.95E-06	4.33E-06	4.02E-07	3.13E-07	7.16E-07	1.91E-06	1.43E-06	3.35E-06	3.14E-07	2.78E-07	5.92E-07	2.34E-07	1.42E-07	3.76E-07
4418	563100.04	4235148.58	2.41E-06	1.98E-06	4.39E-06	4.08E-07	3.18E-07	7.26E-07	1.94E-06	1.45E-06	3.40E-06	3.18E-07	2.82E-07	6.00E-07	2.38E-07	1.44E-07	3.82E-07
4419	563108.5	4235153.13	2.43E-06	2.00E-06	4.43E-06	4.12E-07	3.21E-07	7.33E-07	1.96E-06	1.47E-06	3.43E-06	3.21E-07	2.84E-07	6.06E-07	2.40E-07	1.45E-07	3.85E-07
4420	563116.95	4235157.68	2.44E-06	2.01E-06	4.45E-06	4.14E-07	3.22E-07	7.36E-07	1.97E-06	1.47E-06	3.45E-06	3.23E-07	2.86E-07	6.09E-07	2.41E-07	1.46E-07	3.87E-07
4421	563125.4	4235162.23	2.44E-06	2.01E-06	4.46E-06	4.15E-07	3.23E-07	7.37E-07	1.97E-06	1.48E-06	3.45E-06	3.23E-07	2.86E-07	6.09E-07	2.41E-07	1.46E-07	3.88E-07
4422	563133.85	4235166.78	2.43E-06	2.00E-06	4.43E-06	4.12E-07	3.21E-07	7.34E-07	1.96E-06	1.47E-06	3.43E-06	3.21E-07	2.85E-07	6.06E-07	2.40E-07	1.46E-07	3.86E-07
4423	562940.3	4235082.26	1.02E-06	8.40E-07	1.86E-06	1.73E-07	1.35E-07	3.08E-07	8.24E-07	6.17E-07	1.44E-06	1.35E-07	1.20E-07	2.54E-07	1.01E-07	6.11E-08	1.62E-07
4424	562933.7	4235075.68	9.83E-07	8.10E-07	1.79E-06	1.67E-07	1.30E-07	2.97E-07	7.94E-07	5.94E-07	1.39E-06	1.30E-07	1.15E-07	2.45E-07	9.71E-08	5.89E-08	1.56E-07
4425	562927.11	4235069.1	9.48E-07	7.81E-07	1.73E-06	1.61E-07	1.25E-07	2.86E-07	7.66E-07	5.73E-07	1.34E-06	1.25E-07	1.11E-07	2.36E-07	9.36E-08	5.68E-08	1.50E-07
4426	562920.51	4235062.51	9.14E-07	7.53E-07	1.67E-06	1.55E-07	1.21E-07	2.76E-07	7.38E-07	5.53E-07	1.29E-06	1.21E-07	1.07E-07	2.28E-07	9.03E-08	5.47E-08	1.45E-07
4427	562913.92	4235055.93	8.82E-07	7.27E-07	1.61E-06	1.50E-07	1.17E-07	2.66E-07	7.12E-07	5.33E-07	1.25E-06	1.17E-07	1.03E-07	2.20E-07	8.71E-08	5.28E-08	1.40E-07
4428	562907.33	4235049.34	8.52E-07	7.02E-07	1.55E-06	1.45E-07	1.12E-07	2.57E-07	6.88E-07	5.15E-07	1.20E-06	1.13E-07	9.98E-08	2.12E-07	8.41E-08	5.10E-08	1.35E-07
4429	562900.73	4235042.76	8.23E-07	6.78E-07	1.50E-06	1.40E-07	1.09E-07	2.48E-07	6.64E-07	4.97E-07	1.16E-06	1.09E-07	9.64E-08	2.05E-07	8.13E-08	4.93E-08	1.31E-07
4430	562894.14	4235036.18	7.96E-07	6.56E-07	1.45E-06	1.35E-07	1.05E-07	2.40E-07	6.43E-07	4.81E-07	1.12E-06	1.05E-07	9.33E-08	1.99E-07	7.86E-08	4.77E-08	1.26E-07
4431	562887.54	4235029.59	7.71E-07	6.35E-07	1.41E-06	1.31E-07	1.02E-07	2.33E-07	6.23E-07	4.66E-07	1.09E-06	1.02E-07	9.04E-08	1.92E-07	7.62E-08	4.62E-08	1.22E-07
4432	562880.95	4235023.01	7.48E-07	6.16E-07	1.36E-06	1.27E-07	9.88E-08	2.26E-07	6.04E-07	4.52E-07	1.06E-06	9.90E-08	8.77E-08	1.87E-07	7.39E-08	4.48E-08	1.19E-07
4433	562874.36	4235016.42	7.27E-07	5.99E-07	1.33E-06	1.23E-07	9.61E-08	2.19E-07	5.87E-07	4.40E-07	1.03E-06	9.62E-08	8.52E-08	1.81E-07	7.18E-08	4.35E-08	1.15E-07
4434	562867.76	4235009.84	7.08E-07	5.84E-07	1.29E-06	1.20E-07	9.36E-08	2.14E-07	5.72E-07	4.28E-07	1.00E-06	9.37E-08	8.30E-08	1.77E-07	7.00E-08	4.24E-08	1.12E-07
4435	562861.17	4235003.26	6.92E-07	5.70E-07	1.26E-06	1.17E-07	9.14E-08	2.09E-07	5.58E-07	4.18E-07	9.76E-07	9.15E-08	8.11E-08	1.73E-07	6.83E-08	4.14E-08	1.10E-07
4436	562854.57	4234996.67	6.77E-07	5.58E-07	1.23E-06	1.15E-07	8.94E-08	2.04E-07	5.47E-07	4.09E-07	9.56E-07	8.95E-08	7.93E-08	1.69E-07	6.69E-08	4.05E-08	1.07E-07
4437	562847.98	4234990.09	6.64E-07	5.47E-07	1.21E-06	1.13E-07	8.78E-08	2.01E-07	5.37E-07	4.02E-07	9.38E-07	8.79E-08	7.79E-08	1.66E-07	6.56E-08	3.98E-08	1.05E-07
4438	562839.49	4234974.38	6.63E-07	5.47E-07	1.21E-06	1.13E-07	8.76E-08	2.00E-07	5.36E-07	4.01E-07	9.37E-07	8.77E-08	7.77E-08	1.65E-07	6.55E-08	3.97E-08	1.05E-07
4439	562837.6	4234965.26	6.75E-07	5.57E-07	1.23E-06	1.15E-07	8.92E-08	2.04E-07	5.45E-07	4.08E-07	9.54E-07	8.93E-08	7.92E-08	1.68E-07	6.67E-08	4.04E-08	1.07E-07
4440	562835.71	4234956.13	6.91E-07	5.69E-07	1.26E-06	1.17E-07	9.12E-08	2.08E-07	5.58E-07	4.17E-07	9.75E-07	9.13E-08	8.09E-08	1.72E-07	6.82E-08	4.13E-08	1.10E-07
4441	562833.81	4234947.01	7.10E-07	5.85E-07	1.29E-06	1.20E-07	9.37E-08	2.14E-07	5.73E-07	4.29E-07	1.00E-06	9.38E-08	8.32E-08	1.77E-07	7.01E-08	4.25E-08	1.13E-07
4442	562831.92	4234937.89	7.32E-07	6.03E-07	1.34E-06	1.24E-07	9.67E-08	2.21E-07	5.91E-07	4.43E-07	1.03E-06	9.69E-08	8.58E-08	1.83E-07	7.23E-08	4.38E-08	1.16E-07
4443	562830.03	4234928.76	7.60E-07	6.26E-07	1.39E-06	1.29E-07	1.00E-07	2.29E-07	6.13E-07	4.59E-07	1.07E-06	1.00E-07	8.90E-08	1.90E-07	7.50E-08	4.55E-08	1.21E-07
4444	562828.13	4234919.64	7.92E-07	6.52E-07	1.44E-06	1.34E-07	1.05E-07	2.39E-07	6.39E-07	4.79E-07	1.12E-06	1.05E-07	9.28E-08	1.98E-07	7.82E-08	4.74E-08	1.26E-07
4445	562826.24	4234910.51	8.29E-07	6.83E-07	1.51E-06	1.41E-07	1.10E-07	2.50E-07	6.70E-07	5.01E-07	1.17E-06	1.10E-07	9.72E-08	2.07E-07	8.19E-08	4.96E-08	1.32E-07
4446	562824.35	4234901.39	8.73E-07	7.19E-07	1.59E-06	1.48E-07	1.15E-07	2.63E-07	7.05E-07	5.27E-07	1.23E-06	1.15E-07	1.02E-07	2.18E-07	8.62E-08	5.22E-08	1.38E-07
4447	562822.45	4234892.27	9.21E-07	7.59E-07	1.68E-06	1.56E-07	1.22E-07	2.78E-07	7.44E-07	5.57E-07	1.30E-06	1.22E-07	1.08E-07	2.30E-07	9.10E-08	5.52E-08	1.46E-07
4448	562820.56	4234883.14	9.77E-07	8.05E-07	1.78E-06	1.66E-07	1.29E-07	2.95E-07	7.89E-07	5.91E-07	1.38E-06	1.29E-07	1.15E-07	2.44E-07	9.65E-08	5.85E-08	1.55E-07
4449	562818.67	4234874.02	1.04E-06	8.57E-07	1.90E-06	1.77E-07	1.37E-07	3.14E-07	8.40E-07	6.29E-07	1.47E-06	1.38E-07	1.22E-07	2.59E-07	1.03E-07	6.23E-08	1.65E-07
4450	562816.77	4234864.9	1.11E-06	9.14E-07	2.02E-06	1.88E-07	1.47E-07	3.35E-07	8.96E-07	6.70E-07	1.57E-06	1.47E-07	1.30E-07	2.77E-07	1.10E-07	6.64E-08	1.76E-07
4451	562814.88	4234855.77	1.18E-06	9.76E-07	2.16E-06	2.01E-07	1.56E-07	3.58E-07	9.57E-07	7.16E-07	1.67E-06	1.57E-07	1.39E-07	2.96E-07	1.17E-07	7.09E-08	1.88E-07
4452	562812.99	4234846.65	1.27E-06	1.04E-06	2.31E-06	2.15E-07	1.67E-07	3.82E-07	1.02E-06	7.65E-07	1.79E-06	1.67E-07	1.48E-07	3.16E-07	1.25E-07	7.58E-08	2.01E-07
4453	562946.89	4235088.85	1.06E-06	8.72E-07	1.93E-06	1.80E-07	1.40E-07	3.19E-07	8.54E-07	6.39E-07	1.49E-06	1.40E-07	1.24E-07	2.64E-07	1.04E-07	6.33E-08	1.68E-07
4454	562955.34	4235093.4	1.11E-06	9.17E-07	2.03E-06	1.89E-07	1.47E-07	3.36E-07	8.99E-07	6.73E-07	1.57E-06	1.47E-07	1.30E-07	2.78E-07	1.10E-07	6.66E-08	1.77E-07
4455	562963.79	4235097.95	1.17E-06	9.65E-07	2.14E-06	1.99E-07	1.55E-07	3.54E-07	9.46E-07	7.08E-07	1.65E-06	1.55E-07	1.37E-07	2.92E-07	1.16E-07	7.01E-08	1.86E-07
4456	562972.24	4235102.5	1.23E-06	1.02E-06	2.25E-06	2.09E-07	1.63E-07	3.72E-07	9.95E-07	7.45E-07	1.74E-06	1.63E-07	1.44E-07	3.07E-07	1.22E-07	7.38E-08	1.96E-07
4457	562980.7	4235107.04	1.30E-06	1.07E-06	2.37E-06	2.20E-07	1.71E-07	3.91E-07	1.05E-06	7.84E-07	1.83E-06	1.72E-07	1.52E-07	3.24E-07	1.28E-07	7.76E-08	2.06E-07
4458	562989.15	4235111.59	1.36E-06	1.12E-06	2.49E-06	2.31E-07	1.80E-07	4.12E-07	1.10E-06	8.24E-07	1.93E-06	1.80E-07	1.60E-07	3.40E-07	1.35E-07	8.16E-08	2.16E-07
4459	562997.6	4235116.14	1.43E-06	1.18E-06	2.61E-06	2.43E-07	1.89E-07	4.32E-07	1.16E-06	8.66E-07	2.02E-06	1.90E-07	1.68E-07	3.57E-07	1.42E-07	8.58E-08	2.27E-07
4460	563006.05	4235120.69	1.50E-06	1.24E-06	2.74E-06	2.55E-07	1.99E-07	4.54E-07	1.21E-06	9.09E-07	2.12E-06	1.99E-07	1.76E-07	3.75E-07	1.49E-07	9.00E-08	2.39E-07

4461	563014.5	4235125.24	1.58E-06	1.30E-06	2.88E-06	2.68E-07	2.08E-07	4.76E-07	1.27E-06	9.53E-07	2.23E-06	2.09E-07	1.85E-07	3.93E-07	1.56E-07	9.44E-08	2.50E-07
4462	563022.95	4235129.79	1.65E-06	1.36E-06	3.01E-06	2.80E-07	2.18E-07	4.98E-07	1.33E-06	9.97E-07	2.33E-06	2.18E-07	1.93E-07	4.12E-07	1.63E-07	9.88E-08	2.62E-07
4463	563031.4	4235134.34	1.72E-06	1.42E-06	3.14E-06	2.92E-07	2.28E-07	5.20E-07	1.39E-06	1.04E-06	2.43E-06	2.28E-07	2.02E-07	4.30E-07	1.70E-07	1.03E-07	2.73E-07
4464	563039.86	4235138.89	1.80E-06	1.48E-06	3.28E-06	3.05E-07	2.37E-07	5.42E-07	1.45E-06	1.09E-06	2.54E-06	2.37E-07	2.10E-07	4.48E-07	1.77E-07	1.07E-07	2.85E-07
4465	563048.31	4235143.44	1.86E-06	1.54E-06	3.40E-06	3.16E-07	2.46E-07	5.63E-07	1.51E-06	1.13E-06	2.63E-06	2.47E-07	2.18E-07	4.65E-07	1.84E-07	1.12E-07	2.96E-07
4466	563056.76	4235147.99	1.93E-06	1.59E-06	3.51E-06	3.27E-07	2.54E-07	5.81E-07	1.56E-06	1.16E-06	2.72E-06	2.55E-07	2.26E-07	4.81E-07	1.90E-07	1.15E-07	3.06E-07
4467	563065.21	4235152.54	1.99E-06	1.64E-06	3.62E-06	3.37E-07	2.62E-07	6.00E-07	1.60E-06	1.20E-06	2.81E-06	2.63E-07	2.33E-07	4.96E-07	1.96E-07	1.19E-07	3.15E-07
4468	563073.66	4235157.09	2.05E-06	1.69E-06	3.73E-06	3.47E-07	2.70E-07	6.18E-07	1.65E-06	1.24E-06	2.89E-06	2.71E-07	2.40E-07	5.11E-07	2.02E-07	1.23E-07	3.25E-07
4469	563082.11	4235161.64	2.10E-06	1.73E-06	3.82E-06	3.56E-07	2.77E-07	6.33E-07	1.69E-06	1.27E-06	2.96E-06	2.77E-07	2.46E-07	5.23E-07	2.07E-07	1.25E-07	3.32E-07
4470	563090.56	4235166.19	2.13E-06	1.76E-06	3.89E-06	3.62E-07	2.82E-07	6.44E-07	1.72E-06	1.29E-06	3.01E-06	2.82E-07	2.50E-07	5.32E-07	2.11E-07	1.28E-07	3.38E-07
4471	563099.02	4235170.74	2.16E-06	1.78E-06	3.94E-06	3.67E-07	2.86E-07	6.52E-07	1.75E-06	1.31E-06	3.05E-06	2.86E-07	2.53E-07	5.39E-07	2.14E-07	1.29E-07	3.43E-07
4472	563107.47	4235175.29	2.19E-06	1.80E-06	3.99E-06	3.71E-07	2.89E-07	6.60E-07	1.76E-06	1.32E-06	3.09E-06	2.89E-07	2.56E-07	5.45E-07	2.16E-07	1.31E-07	3.47E-07
4473	563115.92	4235179.84	2.20E-06	1.81E-06	4.02E-06	3.74E-07	2.91E-07	6.65E-07	1.78E-06	1.33E-06	3.11E-06	2.91E-07	2.58E-07	5.49E-07	2.18E-07	1.32E-07	3.49E-07
4474	563124.37	4235184.39	2.21E-06	1.82E-06	4.03E-06	3.75E-07	2.92E-07	6.66E-07	1.78E-06	1.33E-06	3.12E-06	2.92E-07	2.59E-07	5.51E-07	2.18E-07	1.32E-07	3.50E-07
4475	562930.73	4235099.78	9.44E-07	7.78E-07	1.72E-06	1.60E-07	1.25E-07	2.85E-07	7.62E-07	5.70E-07	1.33E-06	1.25E-07	1.11E-07	2.35E-07	9.32E-08	5.65E-08	1.50E-07
4476	562924.04	4235093.11	9.11E-07	7.51E-07	1.66E-06	1.55E-07	1.20E-07	2.75E-07	7.36E-07	5.51E-07	1.29E-06	1.21E-07	1.07E-07	2.27E-07	9.00E-08	5.45E-08	1.45E-07
4477	562917.36	4235086.44	8.80E-07	7.25E-07	1.60E-06	1.49E-07	1.16E-07	2.65E-07	7.10E-07	5.32E-07	1.24E-06	1.16E-07	1.03E-07	2.19E-07	8.69E-08	5.26E-08	1.40E-07
4478	562910.68	4235079.76	8.49E-07	7.00E-07	1.55E-06	1.44E-07	1.12E-07	2.56E-07	6.86E-07	5.13E-07	1.20E-06	1.12E-07	9.95E-08	2.12E-07	8.39E-08	5.08E-08	1.35E-07
4479	562903.99	4235073.09	8.20E-07	6.76E-07	1.50E-06	1.39E-07	1.08E-07	2.47E-07	6.62E-07	4.96E-07	1.16E-06	1.08E-07	9.61E-08	2.05E-07	8.10E-08	4.91E-08	1.30E-07
4480	562897.31	4235066.42	7.92E-07	6.53E-07	1.44E-06	1.34E-07	1.05E-07	2.39E-07	6.40E-07	4.79E-07	1.12E-06	1.05E-07	9.28E-08	1.98E-07	7.82E-08	4.74E-08	1.26E-07
4481	562890.63	4235059.74	7.66E-07	6.31E-07	1.40E-06	1.30E-07	1.01E-07	2.31E-07	6.18E-07	4.63E-07	1.08E-06	1.01E-07	8.98E-08	1.91E-07	7.56E-08	4.58E-08	1.21E-07
4482	562883.94	4235053.07	7.41E-07	6.11E-07	1.35E-06	1.26E-07	9.79E-08	2.24E-07	5.99E-07	4.48E-07	1.05E-06	9.80E-08	8.69E-08	1.85E-07	7.32E-08	4.44E-08	1.18E-07
4483	562877.26	4235046.4	7.18E-07	5.92E-07	1.31E-06	1.22E-07	9.49E-08	2.17E-07	5.80E-07	4.34E-07	1.01E-06	9.50E-08	8.42E-08	1.79E-07	7.09E-08	4.30E-08	1.14E-07
4484	562870.57	4235039.73	6.97E-07	5.74E-07	1.27E-06	1.18E-07	9.20E-08	2.10E-07	5.63E-07	4.21E-07	9.84E-07	9.21E-08	8.17E-08	1.74E-07	6.88E-08	4.17E-08	1.11E-07
4485	562863.89	4235033.05	6.77E-07	5.58E-07	1.23E-06	1.15E-07	8.94E-08	2.04E-07	5.47E-07	4.09E-07	9.56E-07	8.95E-08	7.93E-08	1.69E-07	6.69E-08	4.05E-08	1.07E-07
4486	562857.21	4235026.38	6.59E-07	5.43E-07	1.20E-06	1.12E-07	8.70E-08	1.99E-07	5.32E-07	3.98E-07	9.30E-07	8.71E-08	7.72E-08	1.64E-07	6.51E-08	3.94E-08	1.05E-07
4487	562850.52	4235019.71	6.43E-07	5.29E-07	1.17E-06	1.09E-07	8.49E-08	1.94E-07	5.19E-07	3.88E-07	9.07E-07	8.50E-08	7.53E-08	1.60E-07	6.35E-08	3.85E-08	1.02E-07
4488	562843.84	4235013.03	6.28E-07	5.17E-07	1.15E-06	1.07E-07	8.29E-08	1.89E-07	5.07E-07	3.80E-07	8.87E-07	8.30E-08	7.36E-08	1.57E-07	6.20E-08	3.76E-08	9.96E-08
4489	562837.16	4235006.36	6.15E-07	5.07E-07	1.12E-06	1.04E-07	8.12E-08	1.86E-07	4.97E-07	3.72E-07	8.68E-07	8.13E-08	7.21E-08	1.53E-07	6.07E-08	3.68E-08	9.76E-08
4490	562830.47	4234999.69	6.04E-07	4.98E-07	1.10E-06	1.02E-07	7.98E-08	1.82E-07	4.88E-07	3.65E-07	8.53E-07	7.99E-08	7.08E-08	1.51E-07	5.96E-08	3.62E-08	9.58E-08
4491	562821.87	4234983.77	6.02E-07	4.96E-07	1.10E-06	1.02E-07	7.95E-08	1.82E-07	4.86E-07	3.64E-07	8.50E-07	7.96E-08	7.05E-08	1.50E-07	5.94E-08	3.60E-08	9.55E-08
4492	562819.95	4234974.52	6.11E-07	5.03E-07	1.11E-06	1.04E-07	8.06E-08	1.84E-07	4.93E-07	3.69E-07	8.62E-07	8.08E-08	7.16E-08	1.52E-07	6.03E-08	3.65E-08	9.69E-08
4493	562818.03	4234965.27	6.21E-07	5.12E-07	1.13E-06	1.05E-07	8.21E-08	1.87E-07	5.02E-07	3.76E-07	8.77E-07	8.22E-08	7.28E-08	1.55E-07	6.14E-08	3.72E-08	9.86E-08
4494	562816.11	4234956.02	6.36E-07	5.24E-07	1.16E-06	1.08E-07	8.40E-08	1.92E-07	5.13E-07	3.84E-07	8.98E-07	8.41E-08	7.45E-08	1.59E-07	6.28E-08	3.81E-08	1.01E-07
4495	562814.2	4234946.77	6.53E-07	5.38E-07	1.19E-06	1.11E-07	8.63E-08	1.97E-07	5.27E-07	3.95E-07	9.22E-07	8.64E-08	7.66E-08	1.63E-07	6.45E-08	3.91E-08	1.04E-07
4496	562812.28	4234937.53	6.74E-07	5.56E-07	1.23E-06	1.14E-07	8.91E-08	2.04E-07	5.45E-07	4.08E-07	9.52E-07	8.92E-08	7.90E-08	1.68E-07	6.66E-08	4.04E-08	1.07E-07
4497	562810.36	4234928.28	7.00E-07	5.76E-07	1.28E-06	1.19E-07	9.24E-08	2.11E-07	5.65E-07	4.23E-07	9.88E-07	9.25E-08	8.20E-08	1.75E-07	6.91E-08	4.19E-08	1.11E-07
4498	562808.44	4234919.03	7.29E-07	6.01E-07	1.33E-06	1.24E-07	9.63E-08	2.20E-07	5.89E-07	4.41E-07	1.03E-06	9.64E-08	8.54E-08	1.82E-07	7.20E-08	4.36E-08	1.16E-07
4499	562806.52	4234909.78	7.63E-07	6.29E-07	1.39E-06	1.30E-07	1.01E-07	2.30E-07	6.16E-07	4.61E-07	1.08E-06	1.01E-07	8.94E-08	1.90E-07	7.54E-08	4.57E-08	1.21E-07
4500	562804.6	4234900.54	8.05E-07	6.63E-07	1.47E-06	1.37E-07	1.06E-07	2.43E-07	6.50E-07	4.86E-07	1.14E-06	1.06E-07	9.43E-08	2.01E-07	7.95E-08	4.82E-08	1.28E-07
4501	562802.68	4234891.29	8.55E-07	7.05E-07	1.56E-06	1.45E-07	1.13E-07	2.58E-07	6.90E-07	5.17E-07	1.21E-06	1.13E-07	1.00E-07	2.13E-07	8.45E-08	5.12E-08	1.36E-07
4502	562800.76	4234882.04	9.13E-07	7.52E-07	1.66E-06	1.55E-07	1.21E-07	2.75E-07	7.37E-07	5.51E-07	1.29E-06	1.21E-07	1.07E-07	2.28E-07	9.01E-08	5.46E-08	1.45E-07
4503	562798.85	4234872.79	9.75E-07	8.03E-07	1.78E-06	1.65E-07	1.29E-07	2.94E-07	7.87E-07	5.89E-07	1.38E-06	1.29E-07	1.14E-07	2.43E-07	9.63E-08	5.84E-08	1.55E-07
4504	562796.93	4234863.55	1.04E-06	8.57E-07	1.90E-06	1.76E-07	1.37E-07	3.14E-07	8.40E-07	6.29E-07	1.47E-06	1.38E-07	1.22E-07	2.59E-07	1.03E-07	6.22E-08	1.65E-07
4505	562795.01	4234854.3	1.11E-06	9.15E-07	2.03E-06	1.88E-07	1.47E-07	3.35E-07	8.97E-07	6.71E-07	1.57E-06	1.47E-07	1.30E-07	2.77E-07	1.10E-07	6.65E-08	1.76E-07
4506	562793.09	4234845.05	1.19E-06	9.77E-07	2.16E-06	2.01E-07	1.57E-07	3.58E-07	9.57E-07	7.17E-07	1.67E-06	1.57E-07	1.39E-07	2.96E-07	1.17E-07	7.10E-08	1.88E-07
4507	562937.41	4235106.46	9.78E-07	8.05E-07	1.78E-06	1.66E-07	1.29E-07	2.95E-07	7.89E-07	5.91E-07	1.38E-06	1.29E-07	1.15E-07	2.44E-07	9.66E-08	5.85E-08	1.55E-07
4508	562945.86	4235111.01	1.03E-06	8.45E-07	1.87E-06	1.74E-07	1.35E-07	3.10E-07	8.28E-07	6.20E-07	1.45E-06	1.36E-07	1.20E-07	2.56E-07	1.01E-07	6.14E-08	1.63E-07
4509	562954.31	4235115.56	1.08E-06	8.87E-07	1.96E-06	1.83E-07	1.42E-07	3.25E-07	8.69E-07	6.50E-07	1.52E-06	1.42E-07	1.26E-07	2.68E-07	1.06E-07	6.44E-08	1.71E-07
4510	562962.76	4235120.11	1.13E-06	9.30E-07	2.06E-06	1.92E-07	1.49E-07	3.41E-07	9.12E-07	6.82E-07	1.59E-06	1.49E-07	1.32E-07	2.82E-07	1.12E-07	6.76E-08	1.79E-07
4511	562971.22	4235124.66	1.18E-06	9.76E-07	2.16E-06	2.01E-07	1.56E-07	3.57E-07	9.56E-07	7.16E-07	1.67E-06	1.57E-07	1.39E-07	2.95E-07	1.17E-07	7.09E-08	1.88E-07
4512	562979.67	4235129.2	1.24E-06	1.02E-06	2.26E-06	2.11E-07	1.64E-07	3.75E-07	1.00E-06	7.51E-07	1.75E-06	1.64E-07	1.46E-07	3.10E-07	1.23E-07	7.43E-08	1.97E-07
4513	562988.12	4235133.75	1.30E-06	1.07E-06	2.37E-06	2.21E-07	1.72E-07	3.93E-07	1.05E-06	7.86E-07	1.84E-06	1.72E-07	1.52E-07	3.25E-07	1.28E-07	7.79E-08	2.06E-07
4514	562996.57	4235138.3	1.36E-06	1.12E-06	2.48E-06	2.31E-07	1.80E-07	4.11E-07	1.10E-06	8.23E-07	1.92E-06	1.80E-07	1.60E-07	3.40E-07	1.35E-07	8.15E-08	2.16E-07
4515	563005.02	4235142.85	1.42E-06	1.17E-06	2.60E-06	2.42E-07	1.88E-07	4.30E-07	1.15E-06	8.61E-07	2.01E-06	1.88E-07	1.67E-07	3.55E-07	1.41E-07	8.52E-08	2.26E-07
4516	563013.47	4235147.4	1.49E-06	1.22E-06	2.71E-06	2.52E-07	1.96E-07	4.49E-07	1.20E-06	8.98E-07	2.10E-06	1.97E-07	1.74E-07	3.71E-07	1.47E-07	8.90E-08	2.36E-07
4517	563021.92	4235151.95	1.55E-06	1.28E-06	2.83E-06	2.63E-07	2.05E-07	4.68E-07	1.25E-06	9.36E-07	2.19E-06	2.05E-07	1.82E-07	3.86E-07	1.53E-07	9.27E-08	2.46E-07
4518	563030.38	4235156.5	1.61E-06	1.33E-06	2.94E-06	2.73E-07	2.13E-07	4.86E-07	1.30E-06	9.74E-07	2.27E-06	2.13E-07	1.89E-07	4.02E-07	1.59E-07	9.64E-08	2.56E-07
4519	563038.83	4235161.05	1.67E-06	1.38E-06	3.05E-06	2.84E-07	2.21E-07	5.04E-07	1.35E-06	1.01E-06	2.36E-06	2.21E-07	1.96E-07	4.17E-07	1.65E-07	1.00E-07	2.65E-07
4520	563047.28	4235165.6	1.73E-06	1.42E-06	3.15E-06	2.93E-07	2.28E-07	5.22E-07	1.40E-06	1.04E-06	2.44E-06	2.29E-07	2.03E-07	4.31E-07	1.71E-07	1.03E-07	2.74E-07
4521	563055.73	4235170.15	1.78E-06	1.47E-06	3.25E-06	3.02E-07	2.35E-07	5.38E-07	1.44E-06	1.08E-06	2.52E-06	2.36E-07	2.09E-07	4.44E-07	1.76E-07	1.07E-07	2.83E-07
4522	563064.18	4235174.7	1.83E-06	1.51E-06	3.34E-06	3.11E-07	2.42E-07	5.52E-07	1.48E-06	1.11E-06	2.58E-06	2.42E-07	2.15E-07	4.57E-07	1.81E-07	1.10E-07	2.90E-07
4523	563072.63	4235179.25	1.87E-06	1.54E-06	3.42E-06	3.18E-07	2.48E-07	5.66E-07	1.51E-06	1.13E-06	2.65E-06	2.48E-07	2.20E-07	4.67E-07	1.85E-07	1.12E-07	2.97E-07
4524	563081.08	4235183.8	1.91E-06	1.57E-06	3.49E-06	3.24E-07	2.52E-07	5.77E-07	1.54E-06	1.15E-06	2.70E-06	2.53E-07	2.24E-07	4.77E-07	1.89E-07	1.14E-07	3.03E-07
4525	563089.54	4235188.35	1.94E-06	1.60E-06	3.54E-06	3.29E-07	2.56E-07	5.86E-07	1.57E-06	1.17E-06	2.74E-06	2.57E-07	2.27E-07	4.84E-07	1.92E-07	1.16E-07	3.08E-07
4526	563097.99	4235192.9	1.97E-06	1.62E-06	3.59E-06	3.34E-07	2.60E-07	5.94E-07	1.59E-06	1.19E-06	2.78E-06	2.60E-07	2.31E-07	4.91E-07	1.94E-07	1.18E-07	3.12E-07
4527	563106.44	4235197.45	1.99E-06	1.64E-06	3.63E-06	3.38E-07	2.63E-07	6.00E-07	1.61E-06	1.20E-06	2.81E-06	2.63E-07	2.33E-07	4.96E-07	1.97E-07	1.19E-07	3.16E-07
4528	563114.89	4235202	2.00E-06	1.65E-06	3.65E-06	3.40E-07	2.65E-07	6.04E-07	1.62E-06	1.21E-06	2.83E-06	2.65E-07	2.35E-07	5.00E-07	1.98E-07	1.20E-07	3.18E-07
4529	562921.17	4235117.31	8.77E-07	7.22E-07	1.60E-06	1.49E-07	1.16E-07	2.65E-07	7.08E-07	5.30E-07	1.24E-06	1.16E-07	1.03E-07	2.19E-07	8.66E-08	5.25E-08	1.39E-07
4530	562914.4	4235110.56	8.48E-07	6.98E-07	1.55E-06	1.44E-07	1.12E-07	2.56E-07	6.84E-07	5.12E-07	1.20E-06	1.12E-07	9.93E-08	2.11E-07	8.37E-08	5.07E-08	1.34E-07
4531	562907.64	4235103.81	8.19E-07	6.75E-07	1.49E-06	1.39E-07	1.08E-07	2.47E-07	6.61E-07	4.95E-07	1.16E-06	1.08E-07	9.60E-08	2.04E-07	8.09E-08	4.90E-08	1.30E-07
4532	562900.88	4235097.06	7.91E-07	6.52E-07	1.44E-06	1.34E-07	1.05E-07	2.39E-07	6.39E-07	4.78E-07	1.12E-06	1.05E-07	9.27E-08	1.97E-07	7.82E-08	4.74E-08	1.26E-07
4533	562894.11	4235090.3	7.65E-07	6.30E-07	1.40E-06	1.30E-07	1.01E-07	2.31E-07	6.18E-07	4.62E-07	1.08E-06	1.01E-07	8.96E-08	1.91E-07	7.55E-08	4.58E-08	1.21E-07
4534	562887.35	4235083.55	7.40E-07	6.09E-07	1.35E-06	1.26E-07	9.77E-08	2.23E-07	5.97E-07	4.47E-07	1.04E-06	9.78E-08	8.67E-08	1.84E-07	7.31E-08	4.43E-08	1.17E-07
4535	562880.59	4235076.8	7.16E-07	5.90E-07	1.31E-06	1.21E-07	9.45E-08	2.16E-07	5.78E-07	4.33E-07	1.01E-06	9.46E-08	8.39E-08	1.79E-07	7.07E-08	4.28E-08	1.14E-07
4536	562873.83	4235070.05	6.93E-07	5.71E-07	1.26E-06	1.18E-07	9.15E-08	2.09E-07	5.60E-07	4.19E-07	9.78E-07	9.16E-08	8.12E-08	1.73E-07	6.84E-08	4.15E-08	1.10E-07
4537	562867.06	4235063.29	6.72E-07	5.53E-07	1.22E-06	1.14E-07	8.87E-08	2.03E-07	5.42E-07	4.06E-07	9.48E-07	8.88E-08	7.87E-08	1.68E-07	6.63E-08	4.02E-08	1.07E-07
4538	562860.3	4235056.54	6.52E-07	5.37E-07	1.19E-06	1.11E-07	8.61E-08	1.97E-07	5.26E-07	3.94E-07	9.20E-07	8.62E-08	7.64E-08	1.63E-07	6.44E-08	3.90E-08	1.03E-07
4539	562853.54	4235049.79	6.33E-07	5.22E-07	1.15E-06	1.07E-07	8.36E-08	1.91E-07	5.11E-07	3.83E-07	8.94E-07	8.37E-08	7.42E-08	1.58E-07	6.25E-08	3.79E-08	1.00E-07
4540	562846.77	4235043.04	6.16E-07	5.08E-07	1.12E-06	1.05E-07	8.14E-08	1.86E-07	4.97E-07	3.72E-07	8.70E-07	8.15E-08	7.22E-08	1.54E-07	6.08E-08	3.69E-08	9.77E-08
4541	562840.01	4235036.28	6.00E-07	4.95E-07	1.10E-06	1.02E-07	7.93E-08	1.81E-07	4.85E-07	3.63E-07	8.48E-07	7.94E-08	7.04E-08	1.50E-07	5.93E-08	3.59E-08	9.52E-08
4542	562833.25	4235029.53	5.86E-07	4.83E-07	1.07E-06	9.95E-08	7.74E-08	1.77E-07	4.73E-07	3.54E-07	8.28E-07	7.75E-08	6.87E-08	1.46E-07	5.79E-08	3.51E-08	9.30E-08
4543	562826.48	4235022.78	5.73E-07	4.72E-07	1.05E-06	9.73E-08	7.57E-08	1.73E-07	4.63E-07	3.46E-07	8.09E-07	7.58E-08	6.72E-08	1.43E-07	5.66E-08	3.43E-08	9.09E-08
4544	562819.72	4235016.03	5.62E-07	4.63E-07	1.02E-06	9.54E-08	7.42E-08	1.70E-07	4.54E-07	3.40E-07	7.93E-07	7.43E-08	6.59E-08	1.40E-07	5.55E-08	3.36E-08	8.91E-08
4545	562812.96	4235009.27	5.52E-07	4.55E-07	1.01E-06	9.37E-08	7.29E-08	1.67E-07	4.46E-07	3.34E-07	7.79E-07	7.30E-08	6.47E-08	1.38E-07	5.45E-08	3.30E-08	8.76E-08
4546	562804.25	4234993.16	5.49E-07	4.52E-07	1.00E-06	9.31E-08	7.25E-08	1.66E-07	4.43E-07	3.32E-07	7.75E-07	7.26E-08	6.43E-08	1.37E-07	5.42E-08	3.29E-08	8.71E-08
4547	562802.31	4234983.8	5.54E-07	4.56E-07	1.01E-06	9.40E-08	7.31E-08	1.67E-07	4.47E-07	3.35E-07	7.82E-07	7.32E-08	6.49E-08	1.38E-07	5.47E-08	3.31E-08	8.78E-08
4548	562800.37	4234974.45	5.60E-07	4.61E-07	1.02E-06	9.50E-08	7.39E-08	1.69E-07	4.52E-07	3.38E-07	7.90E-07	7.40E-08	6.56E-08	1.40E-07	5.53E-08	3.35E-08	8.88E-08
4549	562798.43	4234965.09	5.68E-07	4.68E-07	1.04E-06	9.64E-08	7.50E-08	1.71E-07	4.59E-07	3.43E-07	8.02E-07	7.51E-08	6.66E-08	1.42E-07	5.61E-08	3.40E-08	9.01E-08
4550	562796.49	4234955.73	5.82E-07	4.80E-07	1.06E-06	9.88E-08	7.69E-08	1.76E-07	4.70E-07	3.52E-07	8.22E-07	7.70E-08	6.83E-08	1.45E-07	5.75E-08	3.49E-08	9.24E-08
4551	562794.54	4234946.37	6.00E-07	4.94E-07	1.09E-06	1.02E-07	7.92E-08	1.81E-07	4.84E-07	3.63E-07	8.47E-07	7.93E-08	7.03E-08	1.50E-07	5.92E-08	3.59E-08	9.51E-08
4552	562792.6	4234937.02	6.21E-07	5.12E-07	1.13E-06	1.05E-07	8.20E-08	1.87E-07	5.01E-07	3.75E-07	8.77E-07	8.21E-08	7.28E-08	1.55E-07	6.13E-08	3.72E-08	9.85E-08
4553	562790.66	4234927.66	6.46E-07	5.32E-07	1.18E-06	1.10E-07	8.54E-08	1.95E-07	5.22E-07	3.91E-07	9.12E-07	8.55E-08	7.57E-08	1.61E-07	6.38E-08	3.87E-08	1.03E-07

4554	562788.72	4234918.3	6.76E-07	5.57E-07	1.23E-06	1.15E-07	8.92E-08	2.04E-07	5.46E-07	4.08E-07	9.54E-07	8.94E-08	7.92E-08	1.69E-07	6.67E-08	4.04E-08	1.07E-07
4555	562786.78	4234908.94	7.09E-07	5.84E-07	1.29E-06	1.20E-07	9.37E-08	2.14E-07	5.73E-07	4.29E-07	1.00E-06	9.38E-08	8.31E-08	1.77E-07	7.01E-08	4.25E-08	1.13E-07
4556	562784.84	4234899.58	7.51E-07	6.19E-07	1.37E-06	1.27E-07	9.92E-08	2.27E-07	6.06E-07	4.54E-07	1.06E-06	9.93E-08	8.80E-08	1.87E-07	7.42E-08	4.49E-08	1.19E-07
4557	562782.89	4234890.23	7.98E-07	6.58E-07	1.46E-06	1.35E-07	1.05E-07	2.41E-07	6.45E-07	4.82E-07	1.13E-06	1.06E-07	9.35E-08	1.99E-07	7.88E-08	4.78E-08	1.27E-07
4558	562780.95	4234880.87	8.51E-07	7.01E-07	1.55E-06	1.44E-07	1.12E-07	2.57E-07	6.87E-07	5.14E-07	1.20E-06	1.13E-07	9.97E-08	2.12E-07	8.40E-08	5.09E-08	1.35E-07
4559	562779.01	4234871.51	9.06E-07	7.46E-07	1.65E-06	1.54E-07	1.20E-07	2.73E-07	7.32E-07	5.48E-07	1.28E-06	1.20E-07	1.06E-07	2.26E-07	8.95E-08	5.42E-08	1.44E-07
4560	562777.07	4234862.15	9.65E-07	7.95E-07	1.76E-06	1.64E-07	1.27E-07	2.91E-07	7.79E-07	5.83E-07	1.36E-06	1.28E-07	1.13E-07	2.41E-07	9.53E-08	5.77E-08	1.53E-07
4561	562775.13	4234852.8	1.03E-06	8.47E-07	1.87E-06	1.74E-07	1.36E-07	3.10E-07	8.30E-07	6.21E-07	1.45E-06	1.36E-07	1.20E-07	2.56E-07	1.01E-07	6.15E-08	1.63E-07
4562	562773.19	4234843.44	1.10E-06	9.02E-07	2.00E-06	1.86E-07	1.45E-07	3.31E-07	8.84E-07	6.62E-07	1.55E-06	1.45E-07	1.28E-07	2.73E-07	1.08E-07	6.56E-08	1.74E-07
4563	562927.93	4235124.07	9.07E-07	7.47E-07	1.65E-06	1.54E-07	1.20E-07	2.74E-07	7.32E-07	5.48E-07	1.28E-06	1.20E-07	1.06E-07	2.26E-07	8.96E-08	5.43E-08	1.44E-07
4564	562936.38	4235128.62	9.49E-07	7.82E-07	1.73E-06	1.61E-07	1.25E-07	2.86E-07	7.66E-07	5.74E-07	1.34E-06	1.26E-07	1.11E-07	2.37E-07	9.37E-08	5.68E-08	1.51E-07
4565	562944.83	4235133.17	9.93E-07	8.18E-07	1.81E-06	1.69E-07	1.31E-07	3.00E-07	8.02E-07	6.00E-07	1.40E-06	1.31E-07	1.16E-07	2.48E-07	9.81E-08	5.95E-08	1.58E-07
4566	562953.28	4235137.72	1.04E-06	8.56E-07	1.90E-06	1.76E-07	1.37E-07	3.14E-07	8.39E-07	6.28E-07	1.47E-06	1.37E-07	1.22E-07	2.59E-07	1.03E-07	6.22E-08	1.65E-07
4567	562961.74	4235142.27	1.09E-06	8.96E-07	1.98E-06	1.85E-07	1.44E-07	3.28E-07	8.78E-07	6.57E-07	1.54E-06	1.44E-07	1.27E-07	2.71E-07	1.07E-07	6.51E-08	1.72E-07
4568	562970.19	4235146.82	1.14E-06	9.37E-07	2.07E-06	1.93E-07	1.50E-07	3.43E-07	9.18E-07	6.87E-07	1.61E-06	1.50E-07	1.33E-07	2.84E-07	1.12E-07	6.80E-08	1.80E-07
4569	562978.64	4235151.36	1.19E-06	9.79E-07	2.17E-06	2.02E-07	1.57E-07	3.58E-07	9.59E-07	7.18E-07	1.68E-06	1.57E-07	1.39E-07	2.96E-07	1.17E-07	7.11E-08	1.88E-07
4570	562987.09	4235155.91	1.24E-06	1.02E-06	2.26E-06	2.10E-07	1.64E-07	3.74E-07	1.00E-06	7.50E-07	1.75E-06	1.64E-07	1.45E-07	3.09E-07	1.23E-07	7.42E-08	1.97E-07
4571	562995.54	4235160.46	1.29E-06	1.07E-06	2.36E-06	2.20E-07	1.71E-07	3.90E-07	1.04E-06	7.82E-07	1.83E-06	1.71E-07	1.52E-07	3.23E-07	1.28E-07	7.74E-08	2.05E-07
4572	563003.99	4235165.01	1.35E-06	1.11E-06	2.46E-06	2.29E-07	1.78E-07	4.07E-07	1.09E-06	8.15E-07	1.90E-06	1.78E-07	1.58E-07	3.36E-07	1.33E-07	8.07E-08	2.14E-07
4573	563012.44	4235169.56	1.40E-06	1.16E-06	2.56E-06	2.38E-07	1.85E-07	4.23E-07	1.13E-06	8.47E-07	1.98E-06	1.85E-07	1.64E-07	3.50E-07	1.38E-07	8.39E-08	2.22E-07
4574	563020.9	4235174.11	1.46E-06	1.20E-06	2.66E-06	2.47E-07	1.92E-07	4.39E-07	1.18E-06	8.80E-07	2.06E-06	1.93E-07	1.71E-07	3.63E-07	1.44E-07	8.72E-08	2.31E-07
4575	563029.35	4235178.66	1.51E-06	1.24E-06	2.75E-06	2.56E-07	1.99E-07	4.55E-07	1.22E-06	9.12E-07	2.13E-06	2.00E-07	1.77E-07	3.76E-07	1.49E-07	9.03E-08	2.39E-07
4576	563037.8	4235183.21	1.56E-06	1.29E-06	2.84E-06	2.65E-07	2.06E-07	4.71E-07	1.26E-06	9.43E-07	2.20E-06	2.06E-07	1.83E-07	3.89E-07	1.54E-07	9.34E-08	2.47E-07
4577	563046.25	4235187.76	1.61E-06	1.32E-06	2.93E-06	2.73E-07	2.12E-07	4.85E-07	1.30E-06	9.72E-07	2.27E-06	2.13E-07	1.88E-07	4.01E-07	1.59E-07	9.63E-08	2.55E-07
4578	563054.7	4235192.31	1.65E-06	1.36E-06	3.01E-06	2.80E-07	2.18E-07	4.99E-07	1.33E-06	9.99E-07	2.33E-06	2.19E-07	1.94E-07	4.12E-07	1.63E-07	9.89E-08	2.62E-07
4579	563063.15	4235196.86	1.69E-06	1.40E-06	3.09E-06	2.87E-07	2.24E-07	5.11E-07	1.37E-06	1.02E-06	2.39E-06	2.24E-07	1.98E-07	4.22E-07	1.67E-07	1.01E-07	2.69E-07
4580	563071.6	4235201.41	1.73E-06	1.42E-06	3.15E-06	2.93E-07	2.28E-07	5.22E-07	1.40E-06	1.04E-06	2.44E-06	2.29E-07	2.03E-07	4.31E-07	1.71E-07	1.03E-07	2.74E-07
4581	563080.06	4235205.96	1.76E-06	1.45E-06	3.21E-06	2.98E-07	2.32E-07	5.31E-07	1.42E-06	1.06E-06	2.48E-06	2.33E-07	2.06E-07	4.39E-07	1.74E-07	1.05E-07	2.79E-07
4582	563088.51	4235210.51	1.78E-06	1.47E-06	3.25E-06	3.02E-07	2.35E-07	5.38E-07	1.44E-06	1.08E-06	2.52E-06	2.36E-07	2.09E-07	4.45E-07	1.76E-07	1.07E-07	2.83E-07
4583	563096.96	4235215.06	1.80E-06	1.48E-06	3.29E-06	3.06E-07	2.38E-07	5.44E-07	1.45E-06	1.09E-06	2.54E-06	2.38E-07	2.11E-07	4.49E-07	1.78E-07	1.08E-07	2.86E-07
4584	563105.41	4235219.61	1.82E-06	1.50E-06	3.31E-06	3.08E-07	2.40E-07	5.48E-07	1.47E-06	1.10E-06	2.56E-06	2.40E-07	2.13E-07	4.53E-07	1.79E-07	1.09E-07	2.88E-07
4585	562902.4	4235152.73	7.66E-07	6.31E-07	1.40E-06	1.30E-07	1.01E-07	2.31E-07	6.18E-07	4.63E-07	1.08E-06	1.01E-07	8.97E-08	1.91E-07	7.56E-08	4.58E-08	1.21E-07
4586	562895.83	4235146.17	7.43E-07	6.12E-07	1.35E-06	1.26E-07	9.81E-08	2.24E-07	6.00E-07	4.49E-07	1.05E-06	9.82E-08	8.71E-08	1.85E-07	7.34E-08	4.45E-08	1.18E-07
4587	562889.26	4235139.61	7.20E-07	5.94E-07	1.31E-06	1.22E-07	9.52E-08	2.17E-07	5.82E-07	4.35E-07	1.02E-06	9.53E-08	8.44E-08	1.80E-07	7.12E-08	4.31E-08	1.14E-07
4588	562882.69	4235133.05	6.99E-07	5.76E-07	1.27E-06	1.19E-07	9.23E-08	2.11E-07	5.64E-07	4.22E-07	9.86E-07	9.24E-08	8.19E-08	1.74E-07	6.90E-08	4.18E-08	1.11E-07
4589	562876.12	4235126.49	6.77E-07	5.58E-07	1.24E-06	1.15E-07	8.95E-08	2.04E-07	5.47E-07	4.09E-07	9.56E-07	8.96E-08	7.94E-08	1.69E-07	6.69E-08	4.06E-08	1.07E-07
4590	562869.55	4235119.93	6.57E-07	5.41E-07	1.20E-06	1.11E-07	8.68E-08	1.98E-07	5.31E-07	3.97E-07	9.28E-07	8.69E-08	7.70E-08	1.64E-07	6.49E-08	3.93E-08	1.04E-07
4591	562862.98	4235113.37	6.37E-07	5.25E-07	1.16E-06	1.08E-07	8.42E-08	1.92E-07	5.15E-07	3.85E-07	9.00E-07	8.43E-08	7.47E-08	1.59E-07	6.30E-08	3.82E-08	1.01E-07
4592	562856.41	4235106.81	6.19E-07	5.10E-07	1.13E-06	1.05E-07	8.17E-08	1.87E-07	5.00E-07	3.74E-07	8.74E-07	8.18E-08	7.25E-08	1.54E-07	6.11E-08	3.70E-08	9.81E-08
4593	562849.84	4235100.25	6.01E-07	4.95E-07	1.10E-06	1.02E-07	7.94E-08	1.81E-07	4.85E-07	3.63E-07	8.48E-07	7.95E-08	7.04E-08	1.50E-07	5.93E-08	3.60E-08	9.53E-08
4594	562843.27	4235093.69	5.84E-07	4.81E-07	1.07E-06	9.91E-08	7.71E-08	1.76E-07	4.72E-07	3.53E-07	8.25E-07	7.72E-08	6.84E-08	1.46E-07	5.77E-08	3.50E-08	9.26E-08
4595	562836.7	4235087.13	5.68E-07	4.68E-07	1.04E-06	9.64E-08	7.51E-08	1.71E-07	4.59E-07	3.43E-07	8.02E-07	7.51E-08	6.66E-08	1.42E-07	5.61E-08	3.40E-08	9.01E-08
4596	562830.13	4235080.57	5.53E-07	4.56E-07	1.01E-06	9.39E-08	7.31E-08	1.67E-07	4.47E-07	3.34E-07	7.81E-07	7.32E-08	6.48E-08	1.38E-07	5.47E-08	3.31E-08	8.78E-08
4597	562823.56	4235074.01	5.39E-07	4.44E-07	9.84E-07	9.15E-08	7.12E-08	1.63E-07	4.36E-07	3.26E-07	7.62E-07	7.13E-08	6.32E-08	1.35E-07	5.33E-08	3.23E-08	8.56E-08
4598	562816.99	4235067.45	5.26E-07	4.34E-07	9.60E-07	8.93E-08	6.95E-08	1.59E-07	4.25E-07	3.18E-07	7.43E-07	6.96E-08	6.17E-08	1.31E-07	5.20E-08	3.15E-08	8.35E-08
4599	562810.42	4235060.89	5.14E-07	4.24E-07	9.38E-07	8.73E-08	6.79E-08	1.55E-07	4.15E-07	3.11E-07	7.26E-07	6.80E-08	6.03E-08	1.28E-07	5.08E-08	3.08E-08	8.16E-08
4600	562803.85	4235054.33	5.03E-07	4.15E-07	9.18E-07	8.54E-08	6.65E-08	1.52E-07	4.06E-07	3.04E-07	7.11E-07	6.66E-08	5.90E-08	1.26E-07	4.97E-08	3.01E-08	7.98E-08
4601	562797.28	4235047.77	4.93E-07	4.06E-07	8.99E-07	8.37E-08	6.51E-08	1.49E-07	3.98E-07	2.98E-07	6.96E-07	6.52E-08	5.78E-08	1.23E-07	4.87E-08	2.95E-08	7.82E-08
4602	562790.71	4235041.21	4.82E-07	3.97E-07	8.80E-07	8.19E-08	6.37E-08	1.46E-07	3.90E-07	2.92E-07	6.81E-07	6.38E-08	5.65E-08	1.20E-07	4.76E-08	2.89E-08	7.65E-08
4603	562784.14	4235034.65	4.71E-07	3.88E-07	8.60E-07	8.00E-08	6.22E-08	1.42E-07	3.81E-07	2.85E-07	6.65E-07	6.23E-08	5.52E-08	1.18E-07	4.65E-08	2.82E-08	7.48E-08
4604	562777.57	4235028.09	4.61E-07	3.80E-07	8.41E-07	7.83E-08	6.09E-08	1.39E-07	3.72E-07	2.79E-07	6.51E-07	6.10E-08	5.41E-08	1.15E-07	4.56E-08	2.76E-08	7.32E-08
4605	562769.12	4235012.44	4.55E-07	3.75E-07	8.31E-07	7.73E-08	6.02E-08	1.37E-07	3.68E-07	2.75E-07	6.43E-07	6.02E-08	5.34E-08	1.14E-07	4.50E-08	2.73E-08	7.22E-08
4606	562767.23	4235003.35	4.60E-07	3.79E-07	8.39E-07	7.80E-08	6.07E-08	1.39E-07	3.71E-07	2.78E-07	6.49E-07	6.08E-08	5.39E-08	1.15E-07	4.54E-08	2.75E-08	7.29E-08
4607	562765.34	4234994.26	4.66E-07	3.84E-07	8.49E-07	7.90E-08	6.15E-08	1.40E-07	3.76E-07	2.81E-07	6.57E-07	6.16E-08	5.46E-08	1.16E-07	4.60E-08	2.79E-08	7.38E-08
4608	562763.46	4234985.17	4.73E-07	3.90E-07	8.63E-07	8.02E-08	6.25E-08	1.43E-07	3.82E-07	2.86E-07	6.68E-07	6.25E-08	5.54E-08	1.18E-07	4.67E-08	2.83E-08	7.50E-08
4609	562761.57	4234976.08	4.83E-07	3.98E-07	8.80E-07	8.19E-08	6.37E-08	1.46E-07	3.90E-07	2.92E-07	6.81E-07	6.38E-08	5.66E-08	1.20E-07	4.77E-08	2.89E-08	7.66E-08
4610	562759.69	4234966.99	4.94E-07	4.07E-07	9.02E-07	8.39E-08	6.53E-08	1.49E-07	3.99E-07	2.99E-07	6.98E-07	6.54E-08	5.79E-08	1.23E-07	4.88E-08	2.96E-08	7.84E-08
4611	562757.8	4234957.9	5.08E-07	4.19E-07	9.27E-07	8.62E-08	6.71E-08	1.53E-07	4.10E-07	3.07E-07	7.17E-07	6.72E-08	5.96E-08	1.27E-07	5.02E-08	3.04E-08	8.06E-08
4612	562755.91	4234948.81	5.24E-07	4.32E-07	9.56E-07	8.90E-08	6.93E-08	1.58E-07	4.23E-07	3.17E-07	7.40E-07	6.93E-08	6.15E-08	1.31E-07	5.18E-08	3.14E-08	8.32E-08
4613	562754.03	4234939.72	5.43E-07	4.47E-07	9.91E-07	9.22E-08	7.17E-08	1.64E-07	4.39E-07	3.28E-07	7.67E-07	7.18E-08	6.37E-08	1.35E-07	5.36E-08	3.25E-08	8.62E-08
4614	562752.14	4234930.63	5.65E-07	4.65E-07	1.03E-06	9.58E-08	7.46E-08	1.70E-07	4.56E-07	3.41E-07	7.97E-07	7.47E-08	6.62E-08	1.41E-07	5.58E-08	3.38E-08	8.96E-08
4615	562750.25	4234921.54	5.89E-07	4.85E-07	1.07E-06	1.00E-07	7.78E-08	1.78E-07	4.76E-07	3.56E-07	8.32E-07	7.79E-08	6.91E-08	1.47E-07	5.82E-08	3.53E-08	9.35E-08
4616	562748.37	4234912.45	6.17E-07	5.08E-07	1.13E-06	1.05E-07	8.15E-08	1.86E-07	4.98E-07	3.73E-07	8.71E-07	8.16E-08	7.23E-08	1.54E-07	6.09E-08	3.69E-08	9.79E-08
4617	562746.48	4234903.36	6.48E-07	5.34E-07	1.18E-06	1.10E-07	8.56E-08	1.96E-07	5.23E-07	3.92E-07	9.15E-07	8.57E-08	7.60E-08	1.62E-07	6.40E-08	3.88E-08	1.03E-07
4618	562744.6	4234894.27	6.83E-07	5.63E-07	1.25E-06	1.16E-07	9.02E-08	2.06E-07	5.52E-07	4.13E-07	9.65E-07	9.04E-08	8.01E-08	1.70E-07	6.75E-08	4.09E-08	1.08E-07
4619	562742.71	4234885.18	7.22E-07	5.95E-07	1.32E-06	1.23E-07	9.54E-08	2.18E-07	5.83E-07	4.36E-07	1.02E-06	9.55E-08	8.46E-08	1.80E-07	7.13E-08	4.32E-08	1.15E-07
4620	562740.82	4234876.09	7.65E-07	6.30E-07	1.40E-06	1.30E-07	1.01E-07	2.31E-07	6.18E-07	4.62E-07	1.08E-06	1.01E-07	8.97E-08	1.91E-07	7.56E-08	4.58E-08	1.21E-07
4621	562738.94	4234867	8.12E-07	6.69E-07	1.48E-06	1.38E-07	1.07E-07	2.45E-07	6.56E-07	4.91E-07	1.15E-06	1.07E-07	9.52E-08	2.03E-07	8.02E-08	4.86E-08	1.29E-07
4622	562737.05	4234857.91	8.63E-07	7.11E-07	1.57E-06	1.46E-07	1.14E-07	2.60E-07	6.97E-07	5.22E-07	1.22E-06	1.14E-07	1.01E-07	2.15E-07	8.52E-08	5.17E-08	1.37E-07
4623	562735.16	4234848.82	9.18E-07	7.56E-07	1.67E-06	1.56E-07	1.21E-07	2.77E-07	7.41E-07	5.55E-07	1.30E-06	1.21E-07	1.08E-07	2.29E-07	9.06E-08	5.49E-08	1.46E-07
4624	562733.28	4234839.73	9.76E-07	8.04E-07	1.78E-06	1.66E-07	1.29E-07	2.94E-07	7.88E-07	5.90E-07	1.38E-06	1.29E-07	1.14E-07	2.43E-07	9.63E-08	5.84E-08	1.55E-07
4625	562908.97	4235159.29	7.89E-07	6.50E-07	1.44E-06	1.34E-07	1.04E-07	2.38E-07	6.37E-07	4.77E-07	1.11E-06	1.04E-07	9.24E-08	1.97E-07	7.79E-08	4.72E-08	1.25E-07
4626	562917.42	4235163.84	8.22E-07	6.77E-07	1.50E-06	1.39E-07	1.09E-07	2.48E-07	6.64E-07	4.97E-07	1.16E-06	1.09E-07	9.63E-08	2.05E-07	8.12E-08	4.92E-08	1.30E-07
4627	562925.87	4235168.39	8.56E-07	7.06E-07	1.56E-06	1.45E-07	1.13E-07	2.58E-07	6.92E-07	5.18E-07	1.21E-06	1.13E-07	1.00E-07	2.14E-07	8.46E-08	5.13E-08	1.36E-07
4628	562934.32	4235172.94	8.92E-07	7.35E-07	1.63E-06	1.51E-07	1.18E-07	2.69E-07	7.20E-07	5.39E-07	1.26E-06	1.18E-07	1.05E-07	2.23E-07	8.81E-08	5.34E-08	1.41E-07
4629	562942.78	4235177.49	9.29E-07	7.65E-07	1.69E-06	1.58E-07	1.23E-07	2.80E-07	7.50E-07	5.61E-07	1.31E-06	1.23E-07	1.09E-07	2.32E-07	9.17E-08	5.56E-08	1.47E-07
4630	562951.23	4235182.04	9.66E-07	7.96E-07	1.76E-06	1.64E-07	1.28E-07	2.92E-07	7.80E-07	5.84E-07	1.36E-06	1.28E-07	1.13E-07	2.41E-07	9.54E-08	5.78E-08	1.53E-07
4631	562959.68	4235186.59	1.01E-06	8.28E-07	1.83E-06	1.71E-07	1.33E-07	3.03E-07	8.12E-07	6.07E-07	1.42E-06	1.33E-07	1.18E-07	2.51E-07	9.93E-08	6.02E-08	1.59E-07
4632	562968.13	4235191.14	1.04E-06	8.61E-07	1.91E-06	1.77E-07	1.38E-07	3.15E-07	8.44E-07	6.31E-07	1.47E-06	1.38E-07	1.22E-07	2.61E-07	1.03E-07	6.25E-08	1.66E-07
4633	562976.58	4235195.68	1.09E-06	8.94E-07	1.98E-06	1.84E-07	1.43E-07	3.27E-07	8.76E-07	6.56E-07	1.53E-06	1.43E-07	1.27E-07	2.71E-07	1.07E-07	6.50E-08	1.72E-07
4634	562985.03	4235200.23	1.13E-06	9.28E-07	2.05E-06	1.91E-07	1.49E-07	3.40E-07	9.09E-07	6.81E-07	1.59E-06	1.49E-07	1.32E-07	2.81E-07	1.11E-07	6.74E-08	1.79E-07
4635	562993.48	4235204.78	1.17E-06	9.62E-07	2.13E-06	1.98E-07	1.54E-07	3.52E-07	9.43E-07	7.06E-07	1.65E-06	1.54E-07	1.37E-07	2.91E-07	1.15E-07	6.99E-08	1.85E-07
4636	563001.94	4235209.33	1.21E-06	9.96E-07	2.21E-06	2.05E-07	1.60E-07	3.65E-07	9.76E-07	7.31E-07	1.71E-06	1.60E-07	1.42E-07	3.02E-07	1.19E-07	7.24E-08	1.92E-07
4637	563010.39	4235213.88	1.25E-06	1.03E-06	2.28E-06	2.12E-07	1.65E-07	3.77E-07	1.01E-06	7.56E-07	1.77E-06	1.65E-07	1.47E-07	3.12E-07	1.23E-07	7.48E-08	1.98E-07
4638	563018.84	4235218.43	1.29E-06	1.06E-06	2.35E-06	2.19E-07	1.70E-07	3.89E-07	1.04E-06	7.80E-07	1.82E-06	1.71E-07	1.51E-07	3.22E-07	1.27E-07	7.73E-08	2.05E-07
4639	563027.29	4235222.98	1.33E-06	1.10E-06	2.43E-06	2.26E-07	1.76E-07	4.01E-07	1.07E-06	8.04E-07	1.88E-06	1.76E-07	1.56E-07	3.32E-07	1.31E-07	7.96E-08	2.11E-07
4640	563035.74	4235227.53	1.37E-06	1.13E-06	2.49E-06	2.32E-07	1.81E-07	4.12E-07	1.10E-06	8.26E-07	1.93E-06	1.81E-07	1.60E-07	3.41E-07	1.35E-07	8.18E-08	2.17E-07
4641	563044.19	4235232.08	1.40E-06	1.15E-06	2.56E-06	2.38E-07	1.85E-07	4.23E-07	1.13E-06	8.47E-07	1.98E-06	1.85E-07	1.64E-07	3.50E-07	1.38E-07	8.39E-08	2.22E-07
4642	563052.64	4235236.63	1.43E-06	1.18E-06	2.61E-06	2.43E-07	1.89E-07	4.33E-07	1.16E-06	8.66E-07	2.02E-06	1.90E-07	1.68E-07	3.58E-07	1.42E-07	8.58E-08	2.27E-07
4643	563061.1	4235241.18	1.46E-06	1.20E-06	2.67E-06	2.48E-07	1.93E-07	4.41E-07	1.18E-06	8.83E-07	2.06E-06	1.93E-07	1.71E-07	3.65E-07	1.44E-07	8.75E-08	2.32E-07
4644	563069.55	4235245.73	1.49E-06	1.22E-06	2.71E-06	2.52E-07	1.96E-07	4.48E-07	1.20E-06	8.98E-07	2.10E-06	1.97E-07	1.74E-07	3.71E-07	1.47E-07	8.89E-08	2.36E-07
4645	563078	4235250.28	1.51E-06	1.24E-06	2.75E-06	2.56E-07	1.99E-07	4.54E-07	1.22E-06	9.10E-07	2.13E-06	1.99E-07	1.76E-07	3.76E-07	1.49E-07	9.01E-08	2.39E-07
4646	563086.45	4235254.83	1.52E-06	1.25E-06	2.77E-06	2.58E-07	2.01E-07	4.59E-07	1.23E-06	9.19E-07	2.15E-06	2.01E-07	1.78E-07	3.79E-07	1.50E-07	9.10E-08	2.41E-07

4647	562883.31	4235187.82	6.75E-07	5.56E-07	1.23E-06	1.15E-07	8.92E-08	2.04E-07	5.45E-07	4.08E-07	9.53E-07	8.93E-08	7.91E-08	1.68E-07	6.67E-08	4.04E-08	1.07E-07
4648	562876.6	4235181.12	6.56E-07	5.41E-07	1.20E-06	1.11E-07	8.67E-08	1.98E-07	5.30E-07	3.97E-07	9.27E-07	8.68E-08	7.69E-08	1.64E-07	6.48E-08	3.93E-08	1.04E-07
4649	562869.9	4235174.43	6.38E-07	5.25E-07	1.16E-06	1.08E-07	8.42E-08	1.92E-07	5.15E-07	3.85E-07	9.00E-07	8.43E-08	7.47E-08	1.59E-07	6.30E-08	3.82E-08	1.01E-07
4650	562863.19	4235167.73	6.19E-07	5.10E-07	1.13E-06	1.05E-07	8.18E-08	1.87E-07	5.00E-07	3.74E-07	8.74E-07	8.19E-08	7.26E-08	1.54E-07	6.12E-08	3.71E-08	9.82E-08
4651	562856.49	4235161.04	6.01E-07	4.95E-07	1.10E-06	1.02E-07	7.94E-08	1.81E-07	4.85E-07	3.63E-07	8.49E-07	7.95E-08	7.05E-08	1.50E-07	5.94E-08	3.60E-08	9.54E-08
4652	562849.78	4235154.35	5.84E-07	4.81E-07	1.06E-06	9.91E-08	7.71E-08	1.76E-07	4.71E-07	3.53E-07	8.24E-07	7.72E-08	6.84E-08	1.46E-07	5.77E-08	3.49E-08	9.26E-08
4653	562843.08	4235147.65	5.67E-07	4.67E-07	1.03E-06	9.62E-08	7.49E-08	1.71E-07	4.58E-07	3.43E-07	8.01E-07	7.50E-08	6.65E-08	1.41E-07	5.60E-08	3.39E-08	8.99E-08
4654	562836.38	4235140.96	5.51E-07	4.54E-07	1.00E-06	9.35E-08	7.28E-08	1.66E-07	4.45E-07	3.33E-07	7.78E-07	7.29E-08	6.46E-08	1.37E-07	5.44E-08	3.30E-08	8.74E-08
4655	562829.67	4235134.26	5.36E-07	4.41E-07	9.77E-07	9.09E-08	7.07E-08	1.62E-07	4.33E-07	3.24E-07	7.56E-07	7.08E-08	6.28E-08	1.34E-07	5.29E-08	3.21E-08	8.50E-08
4656	562822.97	4235127.57	5.21E-07	4.29E-07	9.50E-07	8.84E-08	6.88E-08	1.57E-07	4.21E-07	3.15E-07	7.35E-07	6.89E-08	6.10E-08	1.30E-07	5.14E-08	3.12E-08	8.26E-08
4657	562816.26	4235120.88	5.07E-07	4.17E-07	9.24E-07	8.60E-08	6.69E-08	1.53E-07	4.09E-07	3.06E-07	7.15E-07	6.70E-08	5.94E-08	1.26E-07	5.00E-08	3.03E-08	8.04E-08
4658	562809.56	4235114.18	4.94E-07	4.07E-07	9.02E-07	8.39E-08	6.53E-08	1.49E-07	3.99E-07	2.99E-07	6.98E-07	6.54E-08	5.79E-08	1.23E-07	4.88E-08	2.96E-08	7.84E-08
4659	562802.85	4235107.49	4.82E-07	3.97E-07	8.79E-07	8.18E-08	6.37E-08	1.45E-07	3.89E-07	2.91E-07	6.81E-07	6.38E-08	5.65E-08	1.20E-07	4.76E-08	2.89E-08	7.65E-08
4660	562796.15	4235100.79	4.71E-07	3.88E-07	8.58E-07	7.99E-08	6.22E-08	1.42E-07	3.80E-07	2.84E-07	6.64E-07	6.22E-08	5.52E-08	1.17E-07	4.65E-08	2.82E-08	7.47E-08
4661	562789.45	4235094.1	4.58E-07	3.78E-07	8.36E-07	7.78E-08	6.05E-08	1.38E-07	3.70E-07	2.77E-07	6.47E-07	6.06E-08	5.37E-08	1.14E-07	4.53E-08	2.74E-08	7.27E-08
4662	562782.74	4235087.41	4.46E-07	3.67E-07	8.13E-07	7.56E-08	5.89E-08	1.35E-07	3.60E-07	2.69E-07	6.29E-07	5.89E-08	5.22E-08	1.11E-07	4.40E-08	2.67E-08	7.07E-08
4663	562776.04	4235080.71	4.34E-07	3.57E-07	7.91E-07	7.36E-08	5.73E-08	1.31E-07	3.50E-07	2.62E-07	6.13E-07	5.74E-08	5.08E-08	1.08E-07	4.29E-08	2.60E-08	6.88E-08
4664	562769.33	4235074.02	4.23E-07	3.48E-07	7.71E-07	7.18E-08	5.59E-08	1.28E-07	3.42E-07	2.56E-07	5.97E-07	5.59E-08	4.96E-08	1.06E-07	4.18E-08	2.53E-08	6.71E-08
4665	562762.63	4235067.33	4.13E-07	3.40E-07	7.53E-07	7.01E-08	5.46E-08	1.25E-07	3.34E-07	2.50E-07	5.83E-07	5.46E-08	4.84E-08	1.03E-07	4.08E-08	2.47E-08	6.55E-08
4666	562755.92	4235060.63	4.06E-07	3.34E-07	7.40E-07	6.89E-08	5.36E-08	1.22E-07	3.28E-07	2.45E-07	5.73E-07	5.37E-08	4.76E-08	1.01E-07	4.01E-08	2.43E-08	6.44E-08
4667	562749.22	4235053.94	3.99E-07	3.29E-07	7.28E-07	6.78E-08	5.27E-08	1.20E-07	3.22E-07	2.41E-07	5.64E-07	5.28E-08	4.68E-08	9.96E-08	3.94E-08	2.39E-08	6.33E-08
4668	562742.52	4235047.24	3.93E-07	3.24E-07	7.17E-07	6.67E-08	5.20E-08	1.19E-07	3.18E-07	2.38E-07	5.55E-07	5.20E-08	4.61E-08	9.81E-08	3.88E-08	2.35E-08	6.24E-08
4669	562733.89	4235031.27	3.91E-07	3.22E-07	7.13E-07	6.63E-08	5.16E-08	1.18E-07	3.16E-07	2.36E-07	5.52E-07	5.17E-08	4.58E-08	9.75E-08	3.86E-08	2.34E-08	6.20E-08
4670	562731.96	4235022	3.94E-07	3.25E-07	7.19E-07	6.69E-08	5.21E-08	1.19E-07	3.18E-07	2.38E-07	5.57E-07	5.21E-08	4.62E-08	9.84E-08	3.89E-08	2.36E-08	6.25E-08
4671	562730.04	4235012.72	3.99E-07	3.29E-07	7.27E-07	6.77E-08	5.27E-08	1.20E-07	3.22E-07	2.41E-07	5.63E-07	5.27E-08	4.67E-08	9.95E-08	3.94E-08	2.39E-08	6.33E-08
4672	562728.11	4235003.44	4.04E-07	3.33E-07	7.38E-07	6.86E-08	5.34E-08	1.22E-07	3.27E-07	2.44E-07	5.71E-07	5.35E-08	4.74E-08	1.01E-07	3.99E-08	2.42E-08	6.42E-08
4673	562726.19	4234994.17	4.11E-07	3.39E-07	7.50E-07	6.98E-08	5.43E-08	1.24E-07	3.32E-07	2.49E-07	5.81E-07	5.44E-08	4.82E-08	1.03E-07	4.06E-08	2.46E-08	6.53E-08
4674	562724.26	4234984.89	4.20E-07	3.46E-07	7.66E-07	7.12E-08	5.54E-08	1.27E-07	3.39E-07	2.54E-07	5.93E-07	5.55E-08	4.92E-08	1.05E-07	4.15E-08	2.51E-08	6.66E-08
4675	562722.34	4234975.61	4.30E-07	3.54E-07	7.84E-07	7.29E-08	5.68E-08	1.30E-07	3.47E-07	2.60E-07	6.07E-07	5.68E-08	5.04E-08	1.07E-07	4.24E-08	2.57E-08	6.82E-08
4676	562720.41	4234966.34	4.42E-07	3.64E-07	8.05E-07	7.49E-08	5.83E-08	1.33E-07	3.57E-07	2.67E-07	6.23E-07	5.84E-08	5.17E-08	1.10E-07	4.36E-08	2.64E-08	7.00E-08
4677	562718.49	4234957.06	4.55E-07	3.75E-07	8.30E-07	7.73E-08	6.01E-08	1.37E-07	3.68E-07	2.75E-07	6.43E-07	6.02E-08	5.34E-08	1.14E-07	4.50E-08	2.73E-08	7.22E-08
4678	562716.56	4234947.79	4.71E-07	3.88E-07	8.59E-07	7.99E-08	6.22E-08	1.42E-07	3.80E-07	2.85E-07	6.65E-07	6.23E-08	5.52E-08	1.18E-07	4.65E-08	2.82E-08	7.47E-08
4679	562714.64	4234938.51	4.89E-07	4.03E-07	8.92E-07	8.30E-08	6.46E-08	1.48E-07	3.95E-07	2.96E-07	6.91E-07	6.47E-08	5.73E-08	1.22E-07	4.83E-08	2.93E-08	7.76E-08
4680	562712.71	4234929.23	5.10E-07	4.20E-07	9.30E-07	8.65E-08	6.73E-08	1.54E-07	4.12E-07	3.08E-07	7.20E-07	6.74E-08	5.97E-08	1.27E-07	5.03E-08	3.05E-08	8.09E-08
4681	562710.79	4234919.96	5.33E-07	4.39E-07	9.72E-07	9.04E-08	7.04E-08	1.61E-07	4.30E-07	3.22E-07	7.52E-07	7.05E-08	6.25E-08	1.33E-07	5.26E-08	3.19E-08	8.45E-08
4682	562708.86	4234910.68	5.59E-07	4.61E-07	1.02E-06	9.48E-08	7.38E-08	1.69E-07	4.51E-07	3.38E-07	7.89E-07	7.39E-08	6.55E-08	1.39E-07	5.52E-08	3.35E-08	8.87E-08
4683	562706.94	4234901.4	5.88E-07	4.84E-07	1.07E-06	9.98E-08	7.77E-08	1.77E-07	4.75E-07	3.55E-07	8.30E-07	7.78E-08	6.89E-08	1.47E-07	5.81E-08	3.52E-08	9.33E-08
4684	562705.01	4234892.13	6.20E-07	5.11E-07	1.13E-06	1.05E-07	8.19E-08	1.87E-07	5.01E-07	3.75E-07	8.76E-07	8.20E-08	7.27E-08	1.55E-07	6.13E-08	3.71E-08	9.84E-08
4685	562703.09	4234882.85	6.56E-07	5.40E-07	1.20E-06	1.11E-07	8.66E-08	1.98E-07	5.30E-07	3.96E-07	9.26E-07	8.67E-08	7.69E-08	1.64E-07	6.48E-08	3.93E-08	1.04E-07
4686	562701.16	4234873.57	6.95E-07	5.72E-07	1.27E-06	1.18E-07	9.18E-08	2.10E-07	5.61E-07	4.20E-07	9.81E-07	9.19E-08	8.14E-08	1.73E-07	6.86E-08	4.16E-08	1.10E-07
4687	562699.24	4234864.3	7.37E-07	6.07E-07	1.34E-06	1.25E-07	9.74E-08	2.22E-07	5.95E-07	4.46E-07	1.04E-06	9.75E-08	8.64E-08	1.84E-07	7.28E-08	4.41E-08	1.17E-07
4688	562697.32	4234855.02	7.83E-07	6.45E-07	1.43E-06	1.33E-07	1.03E-07	2.36E-07	6.32E-07	4.73E-07	1.11E-06	1.04E-07	9.17E-08	1.95E-07	7.73E-08	4.69E-08	1.24E-07
4689	562695.39	4234845.74	8.32E-07	6.85E-07	1.52E-06	1.41E-07	1.10E-07	2.51E-07	6.72E-07	5.03E-07	1.17E-06	1.10E-07	9.75E-08	2.07E-07	8.21E-08	4.98E-08	1.32E-07
4690	562693.47	4234836.47	8.83E-07	7.28E-07	1.61E-06	1.50E-07	1.17E-07	2.67E-07	7.13E-07	5.34E-07	1.25E-06	1.17E-07	1.03E-07	2.20E-07	8.72E-08	5.29E-08	1.40E-07
4691	562890.01	4235194.51	6.94E-07	5.72E-07	1.27E-06	1.18E-07	9.17E-08	2.10E-07	5.61E-07	4.20E-07	9.80E-07	9.18E-08	8.14E-08	1.73E-07	6.86E-08	4.16E-08	1.10E-07
4692	562898.46	4235199.06	7.21E-07	5.94E-07	1.32E-06	1.22E-07	9.52E-08	2.18E-07	5.82E-07	4.36E-07	1.02E-06	9.54E-08	8.45E-08	1.80E-07	7.12E-08	4.32E-08	1.14E-07
4693	562906.91	4235203.61	7.48E-07	6.17E-07	1.37E-06	1.27E-07	9.89E-08	2.26E-07	6.04E-07	4.52E-07	1.06E-06	9.90E-08	8.77E-08	1.87E-07	7.39E-08	4.48E-08	1.19E-07
4694	562915.36	4235208.16	7.76E-07	6.40E-07	1.42E-06	1.32E-07	1.03E-07	2.34E-07	6.27E-07	4.69E-07	1.10E-06	1.03E-07	9.10E-08	1.94E-07	7.67E-08	4.65E-08	1.23E-07
4695	562923.82	4235212.71	8.05E-07	6.63E-07	1.47E-06	1.37E-07	1.06E-07	2.43E-07	6.50E-07	4.87E-07	1.14E-06	1.06E-07	9.44E-08	2.01E-07	7.95E-08	4.82E-08	1.28E-07
4696	562932.27	4235217.26	8.35E-07	6.88E-07	1.52E-06	1.42E-07	1.10E-07	2.52E-07	6.74E-07	5.04E-07	1.18E-06	1.10E-07	9.78E-08	2.08E-07	8.24E-08	5.00E-08	1.32E-07
4697	562940.72	4235221.81	8.65E-07	7.12E-07	1.58E-06	1.47E-07	1.14E-07	2.61E-07	6.98E-07	5.23E-07	1.22E-06	1.14E-07	1.01E-07	2.16E-07	8.54E-08	5.18E-08	1.37E-07
4698	562949.17	4235226.36	8.95E-07	7.38E-07	1.63E-06	1.52E-07	1.18E-07	2.70E-07	7.23E-07	5.41E-07	1.26E-06	1.18E-07	1.05E-07	2.23E-07	8.84E-08	5.36E-08	1.42E-07
4699	562957.62	4235230.91	9.26E-07	7.63E-07	1.69E-06	1.57E-07	1.22E-07	2.80E-07	7.48E-07	5.60E-07	1.31E-06	1.23E-07	1.09E-07	2.31E-07	9.15E-08	5.55E-08	1.47E-07
4700	562966.07	4235235.46	9.58E-07	7.89E-07	1.75E-06	1.63E-07	1.27E-07	2.89E-07	7.74E-07	5.79E-07	1.35E-06	1.27E-07	1.12E-07	2.39E-07	9.46E-08	5.74E-08	1.52E-07
4701	562974.52	4235240	9.90E-07	8.16E-07	1.81E-06	1.68E-07	1.31E-07	2.99E-07	8.00E-07	5.99E-07	1.40E-06	1.31E-07	1.16E-07	2.47E-07	9.78E-08	5.93E-08	1.57E-07
4702	562982.98	4235244.55	1.02E-06	8.43E-07	1.87E-06	1.74E-07	1.35E-07	3.09E-07	8.26E-07	6.18E-07	1.44E-06	1.35E-07	1.20E-07	2.55E-07	1.01E-07	6.12E-08	1.62E-07
4703	562991.43	4235249.1	1.06E-06	8.69E-07	1.92E-06	1.79E-07	1.39E-07	3.18E-07	8.52E-07	6.38E-07	1.49E-06	1.40E-07	1.24E-07	2.63E-07	1.04E-07	6.32E-08	1.67E-07
4704	562999.88	4235253.65	1.09E-06	8.96E-07	1.98E-06	1.85E-07	1.44E-07	3.28E-07	8.78E-07	6.57E-07	1.54E-06	1.44E-07	1.27E-07	2.71E-07	1.07E-07	6.51E-08	1.72E-07
4705	563008.33	4235258.2	1.12E-06	9.22E-07	2.04E-06	1.90E-07	1.48E-07	3.38E-07	9.04E-07	6.76E-07	1.58E-06	1.48E-07	1.31E-07	2.79E-07	1.11E-07	6.70E-08	1.77E-07
4706	563016.78	4235262.75	1.15E-06	9.47E-07	2.10E-06	1.95E-07	1.52E-07	3.47E-07	9.28E-07	6.95E-07	1.62E-06	1.52E-07	1.35E-07	2.87E-07	1.14E-07	6.88E-08	1.82E-07
4707	563025.23	4235267.3	1.18E-06	9.71E-07	2.15E-06	2.00E-07	1.56E-07	3.56E-07	9.52E-07	7.13E-07	1.66E-06	1.56E-07	1.38E-07	2.94E-07	1.16E-07	7.06E-08	1.87E-07
4708	563033.68	4235271.85	1.21E-06	9.94E-07	2.20E-06	2.05E-07	1.59E-07	3.64E-07	9.74E-07	7.29E-07	1.70E-06	1.60E-07	1.41E-07	3.01E-07	1.19E-07	7.22E-08	1.91E-07
4709	563042.14	4235276.4	1.23E-06	1.02E-06	2.25E-06	2.09E-07	1.63E-07	3.72E-07	9.95E-07	7.45E-07	1.74E-06	1.63E-07	1.44E-07	3.07E-07	1.22E-07	7.38E-08	1.95E-07
4710	563050.59	4235280.95	1.26E-06	1.03E-06	2.29E-06	2.13E-07	1.66E-07	3.79E-07	1.01E-06	7.59E-07	1.77E-06	1.66E-07	1.47E-07	3.13E-07	1.24E-07	7.51E-08	1.99E-07
4711	563059.04	4235285.5	1.28E-06	1.05E-06	2.33E-06	2.16E-07	1.68E-07	3.85E-07	1.03E-06	7.71E-07	1.80E-06	1.69E-07	1.49E-07	3.18E-07	1.26E-07	7.63E-08	2.02E-07
4712	563067.49	4235290.05	1.29E-06	1.06E-06	2.36E-06	2.19E-07	1.71E-07	3.90E-07	1.04E-06	7.81E-07	1.82E-06	1.71E-07	1.51E-07	3.22E-07	1.28E-07	7.73E-08	2.05E-07
4713	562864.5	4235223.19	6.02E-07	4.96E-07	1.10E-06	1.02E-07	7.95E-08	1.82E-07	4.86E-07	3.64E-07	8.50E-07	7.96E-08	7.06E-08	1.50E-07	5.95E-08	3.60E-08	9.55E-08
4714	562857.94	4235216.64	5.87E-07	4.83E-07	1.07E-06	9.96E-08	7.75E-08	1.77E-07	4.74E-07	3.55E-07	8.28E-07	7.76E-08	6.88E-08	1.46E-07	5.79E-08	3.51E-08	9.31E-08
4715	562851.39	4235210.1	5.70E-07	4.70E-07	1.04E-06	9.68E-08	7.53E-08	1.72E-07	4.60E-07	3.45E-07	8.05E-07	7.54E-08	6.68E-08	1.42E-07	5.63E-08	3.41E-08	9.05E-08
4716	562844.83	4235203.55	5.52E-07	4.55E-07	1.01E-06	9.37E-08	7.30E-08	1.67E-07	4.46E-07	3.34E-07	7.80E-07	7.31E-08	6.47E-08	1.38E-07	5.46E-08	3.31E-08	8.76E-08
4717	562838.28	4235197.01	5.36E-07	4.42E-07	9.78E-07	9.10E-08	7.09E-08	1.62E-07	4.33E-07	3.24E-07	7.57E-07	7.09E-08	6.29E-08	1.34E-07	5.30E-08	3.21E-08	8.51E-08
4718	562831.72	4235190.46	5.22E-07	4.30E-07	9.53E-07	8.86E-08	6.90E-08	1.58E-07	4.22E-07	3.16E-07	7.37E-07	6.91E-08	6.12E-08	1.30E-07	5.16E-08	3.13E-08	8.28E-08
4719	562825.17	4235183.92	5.10E-07	4.20E-07	9.30E-07	8.65E-08	6.73E-08	1.54E-07	4.12E-07	3.08E-07	7.20E-07	6.74E-08	5.97E-08	1.27E-07	5.03E-08	3.05E-08	8.09E-08
4720	562818.61	4235177.37	4.97E-07	4.09E-07	9.06E-07	8.43E-08	6.56E-08	1.50E-07	4.01E-07	3.00E-07	7.01E-07	6.57E-08	5.82E-08	1.24E-07	4.91E-08	2.97E-08	7.88E-08
4721	562812.05	4235170.83	4.81E-07	3.97E-07	8.78E-07	8.17E-08	6.36E-08	1.45E-07	3.89E-07	2.91E-07	6.80E-07	6.37E-08	5.64E-08	1.20E-07	4.75E-08	2.88E-08	7.64E-08
4722	562805.5	4235164.28	4.66E-07	3.84E-07	8.51E-07	7.91E-08	6.16E-08	1.41E-07	3.77E-07	2.82E-07	6.59E-07	6.17E-08	5.47E-08	1.16E-07	4.61E-08	2.79E-08	7.40E-08
4723	562798.94	4235157.74	4.52E-07	3.73E-07	8.25E-07	7.68E-08	5.97E-08	1.36E-07	3.65E-07	2.73E-07	6.39E-07	5.98E-08	5.30E-08	1.13E-07	4.47E-08	2.71E-08	7.17E-08
4724	562792.39	4235151.19	4.39E-07	3.62E-07	8.01E-07	7.46E-08	5.80E-08	1.33E-07	3.55E-07	2.66E-07	6.20E-07	5.81E-08	5.15E-08	1.10E-07	4.34E-08	2.63E-08	6.97E-08
4725	562785.83	4235144.65	4.30E-07	3.54E-07	7.83E-07	7.29E-08	5.67E-08	1.30E-07	3.47E-07	2.60E-07	6.06E-07	5.68E-08	5.03E-08	1.07E-07	4.24E-08	2.57E-08	6.81E-08
4726	562779.28	4235138.1	4.21E-07	3.47E-07	7.68E-07	7.14E-08	5.56E-08	1.27E-07	3.40E-07	2.54E-07	5.94E-07	5.57E-08	4.93E-08	1.05E-07	4.16E-08	2.52E-08	6.68E-08
4727	562772.72	4235131.56	4.12E-07	3.39E-07	7.51E-07	6.99E-08	5.44E-08	1.24E-07	3.32E-07	2.49E-07	5.81E-07	5.45E-08	4.83E-08	1.03E-07	4.07E-08	2.46E-08	6.53E-08
4728	562766.17	4235125.01	4.02E-07	3.31E-07	7.34E-07	6.82E-08	5.31E-08	1.21E-07	3.25E-07	2.43E-07	5.68E-07	5.32E-08	4.71E-08	1.00E-07	3.97E-08	2.41E-08	6.38E-08
4729	562759.61	4235118.47	3.94E-07	3.24E-07	7.18E-07	6.68E-08	5.20E-08	1.19E-07	3.18E-07	2.38E-07	5.56E-07	5.20E-08	4.61E-08	9.82E-08	3.89E-08	2.36E-08	6.24E-08
4730	562753.06	4235111.92	3.86E-07	3.18E-07	7.04E-07	6.55E-08	5.10E-08	1.16E-07	3.12E-07	2.33E-07	5.45E-07	5.10E-08	4.52E-08	9.62E-08	3.81E-08	2.31E-08	6.12E-08
4731	562746.5	4235105.38	3.79E-07	3.12E-07	6.91E-07	6.43E-08	5.00E-08	1.14E-07	3.06E-07	2.29E-07	5.35E-07	5.01E-08	4.44E-08	9.45E-08	3.74E-08	2.27E-08	6.01E-08
4732	562739.95	4235098.83	3.72E-07	3.06E-07	6.78E-07	6.31E-08	4.91E-08	1.12E-07	3.00E-07	2.25E-07	5.25E-07	4.92E-08	4.36E-08	9.28E-08	3.67E-08	2.23E-08	5.90E-08
4733	562733.39	4235092.29	3.66E-07	3.01E-07	6.67E-07	6.20E-08	4.83E-08	1.10E-07	2.95E-07	2.21E-07	5.16E-07	4.83E-08	4.28E-08	9.12E-08	3.61E-08	2.19E-08	5.80E-08
4734	562726.84	4235085.74	3.60E-07	2.96E-07	6.56E-07	6.10E-08	4.75E-08	1.08E-07	2.90E-07	2.17E-07	5.08E-07	4.75E-08	4.21E-08	8.97E-08	3.55E-08	2.15E-08	5.70E-08
4735	562720.28	4235079.2	3.54E-07	2.92E-07	6.46E-07	6.01E-08	4.67E-08	1.07E-07	2.86E-07	2.14E-07	5.00E-07	4.68E-08	4.15E-08	8.83E-08	3.50E-08	2.12E-08	5.61E-08
4736	562713.73	4235072.65	3.49E-07	2.87E-07	6.36E-07	5.92E-08	4.61E-08	1.05E-07	2.82E-07	2.11E-07	4.92E-07	4.61E-08	4.09E-08	8.70E-08	3.44E-08	2.09E-08	5.53E-08
4737	562707.17	4235066.11	3.44E-07	2.83E-07	6.27E-07	5.84E-08	4.54E-08	1.04E-07	2.78E-07	2.08E-07	4.86E-07	4.55E-08	4.03E-08	8.58E-08	3.40E-08	2.06E-08	5.45E-08
4738	562698.74	4235050.49	3.41E-07	2.81E-07	6.22E-07	5.79E-08	4.51E-08	1.03E-07	2.76E-07	2.06E-07	4.82E-07	4.51E-08	4.00E-08	8.51E-08	3.37E-08	2.04E-08	5.41E-08
4739	562696.86	4235041.42	3.44E-07	2.83E-07	6.27E-07	5.83E-08	4.54E-08	1.04E-07	2.77E-07	2.08E-07	4.85E-07	4.54E-08	4.03E-08	8.57E-08	3.39E-08	2.06E-08	5.45E-08

4740	562694.97	4235032.35	3.47E-07	2.86E-07	6.32E-07	5.88E-08	4.58E-08	1.05E-07	2.80E-07	2.09E-07	4.89E-07	4.58E-08	4.06E-08	8.65E-08	3.42E-08	2.07E-08	5.50E-08
4741	562693.09	4235023.28	3.50E-07	2.89E-07	6.39E-07	5.95E-08	4.63E-08	1.06E-07	2.83E-07	2.12E-07	4.95E-07	4.63E-08	4.11E-08	8.74E-08	3.46E-08	2.10E-08	5.56E-08
4742	562691.21	4235014.21	3.55E-07	2.92E-07	6.47E-07	6.02E-08	4.69E-08	1.07E-07	2.87E-07	2.15E-07	5.01E-07	4.69E-08	4.16E-08	8.85E-08	3.51E-08	2.12E-08	5.63E-08
4743	562689.33	4235005.15	3.61E-07	2.97E-07	6.58E-07	6.12E-08	4.76E-08	1.09E-07	2.91E-07	2.18E-07	5.09E-07	4.77E-08	4.23E-08	8.99E-08	3.56E-08	2.16E-08	5.72E-08
4744	562687.45	4234996.08	3.67E-07	3.03E-07	6.70E-07	6.23E-08	4.85E-08	1.11E-07	2.97E-07	2.22E-07	5.18E-07	4.86E-08	4.30E-08	9.16E-08	3.63E-08	2.20E-08	5.83E-08
4745	562685.56	4234987.01	3.75E-07	3.09E-07	6.84E-07	6.37E-08	4.96E-08	1.13E-07	3.03E-07	2.27E-07	5.30E-07	4.96E-08	4.40E-08	9.36E-08	3.71E-08	2.25E-08	5.95E-08
4746	562683.68	4234977.94	3.84E-07	3.17E-07	7.01E-07	6.52E-08	5.08E-08	1.16E-07	3.10E-07	2.32E-07	5.43E-07	5.08E-08	4.51E-08	9.59E-08	3.80E-08	2.30E-08	6.10E-08
4747	562681.8	4234968.87	3.95E-07	3.26E-07	7.21E-07	6.71E-08	5.22E-08	1.19E-07	3.19E-07	2.39E-07	5.58E-07	5.23E-08	4.63E-08	9.86E-08	3.90E-08	2.37E-08	6.27E-08
4748	562679.92	4234959.8	4.08E-07	3.36E-07	7.43E-07	6.91E-08	5.38E-08	1.23E-07	3.29E-07	2.46E-07	5.75E-07	5.39E-08	4.78E-08	1.02E-07	4.02E-08	2.44E-08	6.46E-08
4749	562678.04	4234950.73	4.22E-07	3.47E-07	7.69E-07	7.15E-08	5.57E-08	1.27E-07	3.40E-07	2.55E-07	5.95E-07	5.57E-08	4.94E-08	1.05E-07	4.16E-08	2.52E-08	6.69E-08
4750	562676.15	4234941.66	4.37E-07	3.60E-07	7.98E-07	7.42E-08	5.78E-08	1.32E-07	3.53E-07	2.64E-07	6.17E-07	5.78E-08	5.12E-08	1.09E-07	4.32E-08	2.62E-08	6.94E-08
4751	562674.27	4234932.59	4.55E-07	3.75E-07	8.30E-07	7.72E-08	6.01E-08	1.37E-07	3.67E-07	2.75E-07	6.43E-07	6.02E-08	5.33E-08	1.14E-07	4.49E-08	2.72E-08	7.22E-08
4752	562672.39	4234923.52	4.75E-07	3.91E-07	8.66E-07	8.06E-08	6.27E-08	1.43E-07	3.83E-07	2.87E-07	6.71E-07	6.28E-08	5.57E-08	1.18E-07	4.69E-08	2.84E-08	7.53E-08
4753	562670.51	4234914.45	4.97E-07	4.09E-07	9.06E-07	8.43E-08	6.56E-08	1.50E-07	4.01E-07	3.00E-07	7.02E-07	6.57E-08	5.82E-08	1.24E-07	4.91E-08	2.97E-08	7.88E-08
4754	562668.63	4234905.38	5.21E-07	4.30E-07	9.51E-07	8.85E-08	6.89E-08	1.57E-07	4.21E-07	3.15E-07	7.36E-07	6.89E-08	6.11E-08	1.30E-07	5.15E-08	3.12E-08	8.27E-08
4755	562666.74	4234896.31	5.48E-07	4.52E-07	1.00E-06	9.30E-08	7.24E-08	1.65E-07	4.43E-07	3.31E-07	7.74E-07	7.25E-08	6.42E-08	1.37E-07	5.41E-08	3.28E-08	8.69E-08
4756	562664.86	4234887.24	5.78E-07	4.76E-07	1.05E-06	9.80E-08	7.63E-08	1.74E-07	4.66E-07	3.49E-07	8.15E-07	7.64E-08	6.77E-08	1.44E-07	5.70E-08	3.46E-08	9.16E-08
4757	562662.98	4234878.17	6.10E-07	5.02E-07	1.11E-06	1.03E-07	8.05E-08	1.84E-07	4.92E-07	3.68E-07	8.61E-07	8.06E-08	7.14E-08	1.52E-07	6.02E-08	3.65E-08	9.67E-08
4758	562661.1	4234869.1	6.44E-07	5.31E-07	1.18E-06	1.09E-07	8.51E-08	1.94E-07	5.20E-07	3.89E-07	9.10E-07	8.52E-08	7.55E-08	1.61E-07	6.36E-08	3.86E-08	1.02E-07
4759	562659.22	4234860.03	6.82E-07	5.62E-07	1.24E-06	1.16E-07	9.01E-08	2.06E-07	5.51E-07	4.12E-07	9.63E-07	9.02E-08	7.99E-08	1.70E-07	6.73E-08	4.08E-08	1.08E-07
4760	562657.34	4234850.96	7.22E-07	5.95E-07	1.32E-06	1.22E-07	9.53E-08	2.18E-07	5.83E-07	4.36E-07	1.02E-06	9.55E-08	8.46E-08	1.80E-07	7.13E-08	4.32E-08	1.14E-07
4761	562655.45	4234841.89	7.64E-07	6.30E-07	1.39E-06	1.30E-07	1.01E-07	2.31E-07	6.17E-07	4.62E-07	1.08E-06	1.01E-07	8.95E-08	1.91E-07	7.55E-08	4.57E-08	1.21E-07
4762	562653.57	4234832.82	8.08E-07	6.66E-07	1.47E-06	1.37E-07	1.07E-07	2.44E-07	6.53E-07	4.89E-07	1.14E-06	1.07E-07	9.47E-08	2.02E-07	7.98E-08	4.84E-08	1.28E-07
4763	562871.05	4235229.73	6.17E-07	5.09E-07	1.13E-06	1.05E-07	8.15E-08	1.86E-07	4.99E-07	3.73E-07	8.72E-07	8.17E-08	7.24E-08	1.54E-07	6.10E-08	3.70E-08	9.79E-08
4764	562879.5	4235234.28	6.39E-07	5.27E-07	1.17E-06	1.08E-07	8.44E-08	1.93E-07	5.16E-07	3.86E-07	9.02E-07	8.45E-08	7.49E-08	1.59E-07	6.31E-08	3.83E-08	1.01E-07
4765	562887.95	4235238.83	6.61E-07	5.45E-07	1.21E-06	1.12E-07	8.74E-08	2.00E-07	5.34E-07	4.00E-07	9.34E-07	8.75E-08	7.75E-08	1.65E-07	6.53E-08	3.96E-08	1.05E-07
4766	562896.4	4235243.38	6.84E-07	5.63E-07	1.25E-06	1.16E-07	9.03E-08	2.06E-07	5.52E-07	4.13E-07	9.66E-07	9.05E-08	8.02E-08	1.71E-07	6.75E-08	4.09E-08	1.08E-07
4767	562904.86	4235247.93	7.07E-07	5.82E-07	1.29E-06	1.20E-07	9.34E-08	2.13E-07	5.71E-07	4.27E-07	9.98E-07	9.35E-08	8.28E-08	1.76E-07	6.98E-08	4.23E-08	1.12E-07
4768	562913.31	4235252.48	7.30E-07	6.02E-07	1.33E-06	1.24E-07	9.65E-08	2.20E-07	5.90E-07	4.41E-07	1.03E-06	9.66E-08	8.56E-08	1.82E-07	7.21E-08	4.37E-08	1.16E-07
4769	562921.76	4235257.03	7.54E-07	6.21E-07	1.38E-06	1.28E-07	9.96E-08	2.28E-07	6.09E-07	4.56E-07	1.06E-06	9.97E-08	8.84E-08	1.88E-07	7.45E-08	4.51E-08	1.20E-07
4770	562930.21	4235261.58	7.78E-07	6.41E-07	1.42E-06	1.32E-07	1.03E-07	2.35E-07	6.28E-07	4.70E-07	1.10E-06	1.03E-07	9.12E-08	1.94E-07	7.68E-08	4.66E-08	1.23E-07
4771	562938.66	4235266.13	8.03E-07	6.61E-07	1.46E-06	1.36E-07	1.06E-07	2.42E-07	6.48E-07	4.85E-07	1.13E-06	1.06E-07	9.41E-08	2.00E-07	7.93E-08	4.80E-08	1.27E-07
4772	562947.11	4235270.68	8.28E-07	6.82E-07	1.51E-06	1.40E-07	1.09E-07	2.50E-07	6.68E-07	5.00E-07	1.17E-06	1.09E-07	9.70E-08	2.06E-07	8.17E-08	4.95E-08	1.31E-07
4773	562955.56	4235275.23	8.53E-07	7.03E-07	1.56E-06	1.45E-07	1.13E-07	2.57E-07	6.89E-07	5.15E-07	1.20E-06	1.13E-07	1.00E-07	2.13E-07	8.42E-08	5.11E-08	1.35E-07
4774	562964.02	4235279.78	8.79E-07	7.24E-07	1.60E-06	1.49E-07	1.16E-07	2.65E-07	7.09E-07	5.31E-07	1.24E-06	1.16E-07	1.03E-07	2.19E-07	8.68E-08	5.26E-08	1.39E-07
4775	562972.47	4235284.32	9.04E-07	7.45E-07	1.65E-06	1.53E-07	1.19E-07	2.73E-07	7.30E-07	5.47E-07	1.28E-06	1.20E-07	1.06E-07	2.26E-07	8.93E-08	5.41E-08	1.43E-07
4776	562980.92	4235288.87	9.30E-07	7.66E-07	1.70E-06	1.58E-07	1.23E-07	2.81E-07	7.51E-07	5.62E-07	1.31E-06	1.23E-07	1.09E-07	2.32E-07	9.19E-08	5.57E-08	1.48E-07
4777	562989.37	4235293.42	9.56E-07	7.88E-07	1.74E-06	1.62E-07	1.26E-07	2.88E-07	7.72E-07	5.78E-07	1.35E-06	1.26E-07	1.12E-07	2.38E-07	9.44E-08	5.72E-08	1.52E-07
4778	562997.82	4235297.97	9.81E-07	8.08E-07	1.79E-06	1.67E-07	1.30E-07	2.96E-07	7.92E-07	5.93E-07	1.39E-06	1.30E-07	1.15E-07	2.45E-07	9.69E-08	5.87E-08	1.56E-07
4779	563006.27	4235302.52	1.01E-06	8.29E-07	1.83E-06	1.71E-07	1.33E-07	3.04E-07	8.12E-07	6.08E-07	1.42E-06	1.33E-07	1.18E-07	2.51E-07	9.94E-08	6.02E-08	1.60E-07
4780	563014.72	4235307.07	1.03E-06	8.48E-07	1.88E-06	1.75E-07	1.36E-07	3.11E-07	8.31E-07	6.22E-07	1.45E-06	1.36E-07	1.21E-07	2.57E-07	1.02E-07	6.16E-08	1.63E-07
4781	563023.18	4235311.62	1.05E-06	8.67E-07	1.92E-06	1.79E-07	1.39E-07	3.18E-07	8.50E-07	6.36E-07	1.49E-06	1.39E-07	1.23E-07	2.62E-07	1.04E-07	6.30E-08	1.67E-07
4782	563031.63	4235316.17	1.07E-06	8.84E-07	1.96E-06	1.82E-07	1.42E-07	3.24E-07	8.67E-07	6.49E-07	1.52E-06	1.42E-07	1.26E-07	2.68E-07	1.06E-07	6.42E-08	1.70E-07
4783	563040.08	4235320.72	1.09E-06	9.00E-07	1.99E-06	1.85E-07	1.44E-07	3.30E-07	8.82E-07	6.60E-07	1.54E-06	1.44E-07	1.28E-07	2.72E-07	1.08E-07	6.54E-08	1.73E-07
4784	563048.53	4235325.27	1.11E-06	9.14E-07	2.02E-06	1.88E-07	1.46E-07	3.35E-07	8.95E-07	6.70E-07	1.57E-06	1.47E-07	1.30E-07	2.77E-07	1.10E-07	6.64E-08	1.76E-07
4785	562845.42	4235258.3	5.30E-07	4.37E-07	9.66E-07	8.99E-08	7.00E-08	1.60E-07	4.28E-07	3.20E-07	7.48E-07	7.01E-08	6.21E-08	1.32E-07	5.23E-08	3.17E-08	8.40E-08
4786	562838.76	4235251.64	5.18E-07	4.27E-07	9.44E-07	8.78E-08	6.84E-08	1.56E-07	4.18E-07	3.13E-07	7.31E-07	6.85E-08	6.07E-08	1.29E-07	5.11E-08	3.10E-08	8.21E-08
4787	562832.09	4235244.98	5.04E-07	4.16E-07	9.20E-07	8.56E-08	6.66E-08	1.52E-07	4.07E-07	3.05E-07	7.12E-07	6.67E-08	5.91E-08	1.26E-07	4.98E-08	3.02E-08	8.00E-08
4788	562825.42	4235238.33	4.90E-07	4.03E-07	8.93E-07	8.31E-08	6.47E-08	1.48E-07	3.95E-07	2.96E-07	6.91E-07	6.48E-08	5.74E-08	1.22E-07	4.84E-08	2.93E-08	7.77E-08
4789	562818.76	4235231.67	4.77E-07	3.93E-07	8.69E-07	8.09E-08	6.29E-08	1.44E-07	3.85E-07	2.88E-07	6.73E-07	6.30E-08	5.58E-08	1.19E-07	4.71E-08	2.85E-08	7.56E-08
4790	562812.09	4235225.01	4.64E-07	3.82E-07	8.47E-07	7.88E-08	6.13E-08	1.40E-07	3.75E-07	2.81E-07	6.55E-07	6.14E-08	5.44E-08	1.16E-07	4.59E-08	2.78E-08	7.36E-08
4791	562805.42	4235218.36	4.52E-07	3.73E-07	8.25E-07	7.67E-08	5.97E-08	1.36E-07	3.65E-07	2.73E-07	6.39E-07	5.98E-08	5.30E-08	1.13E-07	4.47E-08	2.71E-08	7.17E-08
4792	562798.76	4235211.7	4.41E-07	3.63E-07	8.04E-07	7.48E-08	5.82E-08	1.33E-07	3.56E-07	2.66E-07	6.22E-07	5.83E-08	5.16E-08	1.10E-07	4.35E-08	2.64E-08	6.99E-08
4793	562792.09	4235205.05	4.30E-07	3.54E-07	7.83E-07	7.29E-08	5.67E-08	1.30E-07	3.47E-07	2.60E-07	6.06E-07	5.68E-08	5.03E-08	1.07E-07	4.24E-08	2.57E-08	6.81E-08
4794	562785.43	4235198.39	4.19E-07	3.45E-07	7.64E-07	7.11E-08	5.53E-08	1.26E-07	3.38E-07	2.53E-07	5.91E-07	5.54E-08	4.91E-08	1.04E-07	4.14E-08	2.51E-08	6.64E-08
4795	562778.76	4235191.73	4.09E-07	3.37E-07	7.45E-07	6.93E-08	5.40E-08	1.23E-07	3.30E-07	2.47E-07	5.77E-07	5.40E-08	4.79E-08	1.02E-07	4.04E-08	2.45E-08	6.48E-08
4796	562772.09	4235185.08	3.99E-07	3.29E-07	7.28E-07	6.77E-08	5.27E-08	1.20E-07	3.22E-07	2.41E-07	5.63E-07	5.28E-08	4.68E-08	9.95E-08	3.94E-08	2.39E-08	6.33E-08
4797	562765.43	4235178.42	3.90E-07	3.21E-07	7.11E-07	6.61E-08	5.15E-08	1.18E-07	3.15E-07	2.36E-07	5.50E-07	5.16E-08	4.57E-08	9.72E-08	3.85E-08	2.33E-08	6.18E-08
4798	562758.76	4235171.77	3.81E-07	3.14E-07	6.95E-07	6.47E-08	5.03E-08	1.15E-07	3.08E-07	2.30E-07	5.38E-07	5.04E-08	4.47E-08	9.51E-08	3.76E-08	2.28E-08	6.05E-08
4799	562752.09	4235165.11	3.73E-07	3.07E-07	6.80E-07	6.33E-08	4.93E-08	1.13E-07	3.01E-07	2.25E-07	5.27E-07	4.93E-08	4.37E-08	9.31E-08	3.68E-08	2.23E-08	5.92E-08
4800	562745.43	4235158.45	3.65E-07	3.01E-07	6.66E-07	6.20E-08	4.83E-08	1.10E-07	2.95E-07	2.21E-07	5.16E-07	4.83E-08	4.28E-08	9.11E-08	3.61E-08	2.19E-08	5.80E-08
4801	562738.76	4235151.8	3.58E-07	2.95E-07	6.53E-07	6.08E-08	4.73E-08	1.08E-07	2.89E-07	2.16E-07	5.06E-07	4.74E-08	4.20E-08	8.93E-08	3.54E-08	2.14E-08	5.68E-08
4802	562732.09	4235145.14	3.51E-07	2.90E-07	6.41E-07	5.96E-08	4.64E-08	1.06E-07	2.84E-07	2.12E-07	4.96E-07	4.65E-08	4.12E-08	8.77E-08	3.47E-08	2.10E-08	5.57E-08
4803	562725.43	4235138.48	3.45E-07	2.84E-07	6.29E-07	5.85E-08	4.56E-08	1.04E-07	2.79E-07	2.08E-07	4.87E-07	4.56E-08	4.04E-08	8.60E-08	3.41E-08	2.06E-08	5.47E-08
4804	562718.76	4235131.83	3.39E-07	2.79E-07	6.18E-07	5.75E-08	4.48E-08	1.02E-07	2.74E-07	2.05E-07	4.78E-07	4.48E-08	3.97E-08	8.45E-08	3.35E-08	2.03E-08	5.38E-08
4805	562712.09	4235125.17	3.33E-07	2.74E-07	6.08E-07	5.65E-08	4.40E-08	1.01E-07	2.69E-07	2.01E-07	4.70E-07	4.41E-08	3.90E-08	8.31E-08	3.29E-08	1.99E-08	5.28E-08
4806	562705.43	4235118.52	3.28E-07	2.70E-07	5.98E-07	5.56E-08	4.33E-08	9.89E-08	2.65E-07	1.98E-07	4.63E-07	4.33E-08	3.84E-08	8.17E-08	3.24E-08	1.96E-08	5.20E-08
4807	562698.76	4235111.86	3.22E-07	2.66E-07	5.88E-07	5.47E-08	4.26E-08	9.73E-08	2.60E-07	1.95E-07	4.55E-07	4.26E-08	3.78E-08	8.04E-08	3.18E-08	1.93E-08	5.11E-08
4808	562692.09	4235105.2	3.17E-07	2.62E-07	5.79E-07	5.39E-08	4.19E-08	9.58E-08	2.56E-07	1.92E-07	4.48E-07	4.20E-08	3.72E-08	7.92E-08	3.14E-08	1.90E-08	5.04E-08
4809	562685.43	4235098.55	3.13E-07	2.58E-07	5.70E-07	5.31E-08	4.13E-08	9.44E-08	2.53E-07	1.89E-07	4.42E-07	4.14E-08	3.67E-08	7.80E-08	3.09E-08	1.87E-08	4.96E-08
4810	562678.76	4235091.89	3.08E-07	2.54E-07	5.62E-07	5.23E-08	4.07E-08	9.30E-08	2.49E-07	1.86E-07	4.35E-07	4.08E-08	3.61E-08	7.69E-08	3.04E-08	1.85E-08	4.89E-08
4811	562672.09	4235085.24	3.04E-07	2.51E-07	5.55E-07	5.16E-08	4.02E-08	9.18E-08	2.46E-07	1.84E-07	4.29E-07	4.02E-08	3.56E-08	7.59E-08	3.00E-08	1.82E-08	4.82E-08
4812	562663.51	4235069.35	3.02E-07	2.48E-07	5.50E-07	5.12E-08	3.98E-08	9.10E-08	2.43E-07	1.82E-07	4.26E-07	3.99E-08	3.53E-08	7.52E-08	2.98E-08	1.81E-08	4.78E-08
4813	562661.6	4235060.13	3.03E-07	2.50E-07	5.53E-07	5.14E-08	4.00E-08	9.15E-08	2.45E-07	1.83E-07	4.28E-07	4.01E-08	3.55E-08	7.56E-08	2.99E-08	1.81E-08	4.81E-08
4814	562659.69	4235050.91	3.05E-07	2.52E-07	5.57E-07	5.18E-08	4.03E-08	9.21E-08	2.46E-07	1.85E-07	4.31E-07	4.04E-08	3.58E-08	7.61E-08	3.01E-08	1.83E-08	4.84E-08
4815	562657.77	4235041.68	3.08E-07	2.54E-07	5.62E-07	5.23E-08	4.07E-08	9.29E-08	2.49E-07	1.86E-07	4.35E-07	4.07E-08	3.61E-08	7.68E-08	3.04E-08	1.84E-08	4.88E-08
4816	562655.86	4235032.46	3.11E-07	2.56E-07	5.68E-07	5.28E-08	4.11E-08	9.39E-08	2.51E-07	1.88E-07	4.39E-07	4.12E-08	3.65E-08	7.76E-08	3.07E-08	1.86E-08	4.94E-08
4817	562653.94	4235023.23	3.15E-07	2.60E-07	5.75E-07	5.35E-08	4.16E-08	9.52E-08	2.55E-07	1.91E-07	4.45E-07	4.17E-08	3.70E-08	7.87E-08	3.11E-08	1.89E-08	5.00E-08
4818	562652.03	4235014.01	3.20E-07	2.64E-07	5.84E-07	5.43E-08	4.23E-08	9.66E-08	2.59E-07	1.94E-07	4.52E-07	4.24E-08	3.75E-08	7.99E-08	3.16E-08	1.92E-08	5.08E-08
4819	562650.12	4235004.79	3.26E-07	2.69E-07	5.95E-07	5.53E-08	4.31E-08	9.84E-08	2.63E-07	1.97E-07	4.60E-07	4.31E-08	3.82E-08	8.14E-08	3.22E-08	1.95E-08	5.17E-08
4820	562648.2	4234995.56	3.33E-07	2.74E-07	6.08E-07	5.65E-08	4.40E-08	1.01E-07	2.69E-07	2.01E-07	4.70E-07	4.41E-08	3.90E-08	8.31E-08	3.29E-08	1.99E-08	5.28E-08
4821	562646.29	4234986.34	3.41E-07	2.81E-07	6.22E-07	5.79E-08	4.51E-08	1.03E-07	2.76E-07	2.06E-07	4.82E-07	4.51E-08	4.00E-08	8.51E-08	3.37E-08	2.04E-08	5.41E-08
4822	562644.37	4234977.11	3.51E-07	2.89E-07	6.39E-07	5.95E-08	4.63E-08	1.06E-07	2.83E-07	2.12E-07	4.95E-07	4.64E-08	4.11E-08	8.75E-08	3.46E-08	2.10E-08	5.56E-08
4823	562642.46	4234967.89	3.61E-07	2.98E-07	6.59E-07	6.13E-08	4.77E-08	1.09E-07	2.92E-07	2.18E-07	5.10E-07	4.78E-08	4.23E-08	9.01E-08	3.57E-08	2.16E-08	5.73E-08
4824	562640.55	4234958.67	3.73E-07	3.08E-07	6.81E-07	6.34E-08	4.93E-08	1.13E-07	3.02E-07	2.26E-07	5.27E-07	4.94E-08	4.38E-08	9.31E-08	3.69E-08	2.24E-08	5.92E-08
4825	562638.63	4234949.44	3.87E-07	3.19E-07	7.06E-07	6.57E-08	5.11E-08	1.17E-07	3.13E-07	2.34E-07	5.47E-07	5.12E-08	4.54E-08	9.66E-08	3.82E-08	2.32E-08	6.14E-08
4826	562636.72	4234940.22	4.02E-07	3.32E-07	7.34E-07	6.83E-08	5.31E-08	1.21E-07	3.25E-07	2.43E-07	5.68E-07	5.32E-08	4.72E-08	1.00E-07	3.97E-08	2.41E-08	6.38E-08
4827	562634.81	4234930.99	4.19E-07	3.46E-07	7.65E-07	7.12E-08	5.54E-08	1.27E-07	3.39E-07	2.53E-07	5.92E-07	5.55E-08	4.92E-08	1.05E-07	4.14E-08	2.51E-08	6.65E-08
4828	562632.89	4234921.77	4.38E-07	3.61E-07	7.99E-07	7.44E-08	5.79E-08	1.32E-07	3.54E-07	2.65E-07	6.19E-07	5.80E-08	5.14E-08	1.09E-07	4.33E-08	2.62E-08	6.95E-08
4829	562630.98	4234912.55	4.59E-07	3.78E-07	8.37E-07	7.79E-08	6.06E-08	1.39E-07	3.71E-07	2.77E-07	6.48E-07	6.07E-08	5.38E-08	1.15E-07	4.53E-08	2.75E-08	7.28E-08
4830	562629.06	4234903.32	4.82E-07	3.97E-07	8.79E-07	8.18E-08	6.36E-08	1.45E-07	3.89E-07	2.91E-07	6.80E-07	6.37E-08	5.65E-08	1.20E-07	4.76E-08	2.88E-08	7.64E-08
4831	562627.15	4234894.1	5.07E-07	4.18E-07	9.24E-07	8.60E-08	6.69E-08	1.53E-07	4.09E-07	3.06E-07	7.16E-07	6.70E-08	5.94E-08	1.26E-07	5.01E-08	3.03E-08	8.04E-08
4832	562625.24	4234884.87	5.34E-07	4.40E-07	9.74E-07	9.06E-08	7.05E-08	1.61E-07	4.31E-07	3.23E-07	7.54E-07	7.06E-08	6.26E-08	1.33E-07	5.27E-08	3.20E-08	8.47E-08

4833	562623.32	4234875.65	5.64E-07	4.64E-07	1.03E-06	9.56E-08	7.44E-08	1.70E-07	4.55E-07	3.41E-07	7.96E-07	7.45E-08	6.60E-08	1.41E-07	5.57E-08	3.37E-08	8.94E-08
4834	562621.41	4234866.42	5.95E-07	4.90E-07	1.09E-06	1.01E-07	7.86E-08	1.80E-07	4.81E-07	3.60E-07	8.41E-07	7.87E-08	6.98E-08	1.48E-07	5.88E-08	3.56E-08	9.44E-08
4835	562619.49	4234857.2	6.29E-07	5.18E-07	1.15E-06	1.07E-07	8.31E-08	1.90E-07	5.08E-07	3.80E-07	8.89E-07	8.32E-08	7.38E-08	1.57E-07	6.22E-08	3.77E-08	9.98E-08
4836	562617.58	4234847.98	6.65E-07	5.48E-07	1.21E-06	1.13E-07	8.79E-08	2.01E-07	5.37E-07	4.02E-07	9.40E-07	8.80E-08	7.80E-08	1.66E-07	6.57E-08	3.98E-08	1.06E-07
4837	562615.67	4234838.75	7.04E-07	5.80E-07	1.28E-06	1.19E-07	9.29E-08	2.12E-07	5.68E-07	4.25E-07	9.93E-07	9.31E-08	8.25E-08	1.76E-07	6.95E-08	4.21E-08	1.12E-07
4838	562613.75	4234829.53	7.43E-07	6.13E-07	1.36E-06	1.26E-07	9.82E-08	2.24E-07	6.00E-07	4.49E-07	1.05E-06	9.83E-08	8.71E-08	1.85E-07	7.34E-08	4.45E-08	1.18E-07
4839	562852.09	4235264.95	5.41E-07	4.45E-07	9.86E-07	9.17E-08	7.14E-08	1.63E-07	4.37E-07	3.27E-07	7.63E-07	7.15E-08	6.34E-08	1.35E-07	5.34E-08	3.24E-08	8.57E-08
4840	562860.54	4235269.5	5.61E-07	4.62E-07	1.02E-06	9.52E-08	7.41E-08	1.69E-07	4.53E-07	3.39E-07	7.92E-07	7.42E-08	6.57E-08	1.40E-07	5.54E-08	3.36E-08	8.90E-08
4841	562868.99	4235274.05	5.83E-07	4.80E-07	1.06E-06	9.89E-08	7.70E-08	1.76E-07	4.71E-07	3.52E-07	8.23E-07	7.71E-08	6.83E-08	1.45E-07	5.76E-08	3.49E-08	9.25E-08
4842	562877.44	4235278.6	6.05E-07	4.99E-07	1.10E-06	1.03E-07	8.00E-08	1.83E-07	4.89E-07	3.66E-07	8.55E-07	8.01E-08	7.09E-08	1.51E-07	5.98E-08	3.62E-08	9.60E-08
4843	562885.9	4235283.15	6.27E-07	5.17E-07	1.14E-06	1.06E-07	8.28E-08	1.89E-07	5.06E-07	3.79E-07	8.85E-07	8.29E-08	7.35E-08	1.56E-07	6.19E-08	3.75E-08	9.95E-08
4844	562894.35	4235287.7	6.46E-07	5.32E-07	1.18E-06	1.10E-07	8.53E-08	1.95E-07	5.22E-07	3.90E-07	9.12E-07	8.54E-08	7.57E-08	1.61E-07	6.38E-08	3.87E-08	1.02E-07
4845	562902.8	4235292.25	6.65E-07	5.48E-07	1.21E-06	1.13E-07	8.78E-08	2.01E-07	5.37E-07	4.02E-07	9.39E-07	8.80E-08	7.79E-08	1.66E-07	6.57E-08	3.98E-08	1.05E-07
4846	562911.25	4235296.8	6.84E-07	5.64E-07	1.25E-06	1.16E-07	9.04E-08	2.07E-07	5.53E-07	4.14E-07	9.66E-07	9.05E-08	8.02E-08	1.71E-07	6.76E-08	4.10E-08	1.09E-07
4847	562919.7	4235301.35	7.04E-07	5.80E-07	1.28E-06	1.19E-07	9.30E-08	2.12E-07	5.68E-07	4.26E-07	9.94E-07	9.31E-08	8.25E-08	1.76E-07	6.95E-08	4.21E-08	1.12E-07
4848	562928.15	4235305.9	7.24E-07	5.96E-07	1.32E-06	1.23E-07	9.56E-08	2.18E-07	5.85E-07	4.38E-07	1.02E-06	9.57E-08	8.48E-08	1.81E-07	7.15E-08	4.33E-08	1.15E-07
4849	562936.6	4235310.45	7.44E-07	6.13E-07	1.36E-06	1.26E-07	9.83E-08	2.25E-07	6.01E-07	4.50E-07	1.05E-06	9.84E-08	8.72E-08	1.86E-07	7.35E-08	4.45E-08	1.18E-07
4850	562945.06	4235315	7.65E-07	6.30E-07	1.39E-06	1.30E-07	1.01E-07	2.31E-07	6.17E-07	4.62E-07	1.08E-06	1.01E-07	8.96E-08	1.91E-07	7.55E-08	4.58E-08	1.21E-07
4851	562953.51	4235319.55	7.86E-07	6.47E-07	1.43E-06	1.33E-07	1.04E-07	2.37E-07	6.34E-07	4.75E-07	1.11E-06	1.04E-07	9.21E-08	1.96E-07	7.76E-08	4.70E-08	1.25E-07
4852	562961.96	4235324.1	8.06E-07	6.64E-07	1.47E-06	1.37E-07	1.07E-07	2.43E-07	6.51E-07	4.87E-07	1.14E-06	1.07E-07	9.45E-08	2.01E-07	7.96E-08	4.83E-08	1.28E-07
4853	562970.41	4235328.64	8.27E-07	6.82E-07	1.51E-06	1.40E-07	1.09E-07	2.50E-07	6.68E-07	5.00E-07	1.17E-06	1.09E-07	9.70E-08	2.06E-07	8.17E-08	4.95E-08	1.31E-07
4854	562978.86	4235333.19	8.48E-07	6.99E-07	1.55E-06	1.44E-07	1.12E-07	2.56E-07	6.85E-07	5.13E-07	1.20E-06	1.12E-07	9.94E-08	2.12E-07	8.38E-08	5.08E-08	1.35E-07
4855	562987.31	4235337.74	8.69E-07	7.16E-07	1.59E-06	1.47E-07	1.15E-07	2.62E-07	7.02E-07	5.25E-07	1.23E-06	1.15E-07	1.02E-07	2.17E-07	8.58E-08	5.20E-08	1.38E-07
4856	562995.76	4235342.29	8.89E-07	7.33E-07	1.62E-06	1.51E-07	1.17E-07	2.68E-07	7.18E-07	5.37E-07	1.26E-06	1.18E-07	1.04E-07	2.22E-07	8.78E-08	5.32E-08	1.41E-07
4857	563004.22	4235346.84	9.09E-07	7.49E-07	1.66E-06	1.54E-07	1.20E-07	2.74E-07	7.34E-07	5.49E-07	1.28E-06	1.20E-07	1.07E-07	2.27E-07	8.98E-08	5.44E-08	1.44E-07
4858	563012.67	4235351.39	9.27E-07	7.64E-07	1.69E-06	1.57E-07	1.22E-07	2.80E-07	7.49E-07	5.60E-07	1.31E-06	1.23E-07	1.09E-07	2.31E-07	9.16E-08	5.55E-08	1.47E-07
4859	563021.12	4235355.94	9.45E-07	7.78E-07	1.72E-06	1.60E-07	1.25E-07	2.85E-07	7.63E-07	5.71E-07	1.33E-06	1.25E-07	1.11E-07	2.36E-07	9.33E-08	5.66E-08	1.50E-07
4860	563029.57	4235360.49	9.61E-07	7.92E-07	1.75E-06	1.63E-07	1.27E-07	2.90E-07	7.76E-07	5.81E-07	1.36E-06	1.27E-07	1.13E-07	2.40E-07	9.49E-08	5.75E-08	1.52E-07
4861	562826.37	4235293.42	4.78E-07	3.94E-07	8.71E-07	8.10E-08	6.31E-08	1.44E-07	3.86E-07	2.89E-07	6.74E-07	6.32E-08	5.60E-08	1.19E-07	4.72E-08	2.86E-08	7.58E-08
4862	562819.6	4235286.67	4.67E-07	3.84E-07	8.51E-07	7.92E-08	6.16E-08	1.41E-07	3.77E-07	2.82E-07	6.59E-07	6.17E-08	5.47E-08	1.16E-07	4.61E-08	2.79E-08	7.40E-08
4863	562812.84	4235279.91	4.56E-07	3.75E-07	8.31E-07	7.73E-08	6.02E-08	1.37E-07	3.68E-07	2.75E-07	6.43E-07	6.02E-08	5.34E-08	1.14E-07	4.50E-08	2.73E-08	7.23E-08
4864	562806.08	4235273.16	4.45E-07	3.66E-07	8.11E-07	7.54E-08	5.87E-08	1.34E-07	3.59E-07	2.69E-07	6.28E-07	5.88E-08	5.21E-08	1.11E-07	4.39E-08	2.66E-08	7.05E-08
4865	562799.31	4235266.41	4.34E-07	3.57E-07	7.91E-07	7.36E-08	5.73E-08	1.31E-07	3.50E-07	2.62E-07	6.12E-07	5.73E-08	5.08E-08	1.08E-07	4.28E-08	2.59E-08	6.88E-08
4866	562792.55	4235259.66	4.23E-07	3.48E-07	7.71E-07	7.17E-08	5.58E-08	1.28E-07	3.41E-07	2.55E-07	5.97E-07	5.59E-08	4.95E-08	1.05E-07	4.17E-08	2.53E-08	6.71E-08
4867	562785.79	4235252.9	4.12E-07	3.40E-07	7.52E-07	6.99E-08	5.44E-08	1.24E-07	3.33E-07	2.49E-07	5.82E-07	5.45E-08	4.83E-08	1.03E-07	4.07E-08	2.47E-08	6.54E-08
4868	562779.03	4235246.15	4.02E-07	3.31E-07	7.33E-07	6.82E-08	5.31E-08	1.21E-07	3.24E-07	2.43E-07	5.67E-07	5.31E-08	4.71E-08	1.00E-07	3.97E-08	2.41E-08	6.37E-08
4869	562772.26	4235239.4	3.92E-07	3.23E-07	7.15E-07	6.65E-08	5.18E-08	1.18E-07	3.16E-07	2.37E-07	5.53E-07	5.18E-08	4.59E-08	9.77E-08	3.87E-08	2.35E-08	6.22E-08
4870	562765.5	4235232.65	3.82E-07	3.15E-07	6.97E-07	6.49E-08	5.05E-08	1.15E-07	3.09E-07	2.31E-07	5.40E-07	5.06E-08	4.48E-08	9.54E-08	3.78E-08	2.29E-08	6.06E-08
4871	562758.74	4235225.89	3.73E-07	3.07E-07	6.81E-07	6.33E-08	4.93E-08	1.13E-07	3.01E-07	2.26E-07	5.27E-07	4.94E-08	4.37E-08	9.31E-08	3.69E-08	2.23E-08	5.92E-08
4872	562751.97	4235219.14	3.65E-07	3.00E-07	6.65E-07	6.19E-08	4.81E-08	1.10E-07	2.94E-07	2.20E-07	5.15E-07	4.82E-08	4.27E-08	9.09E-08	3.60E-08	2.18E-08	5.78E-08
4873	562745.21	4235212.39	3.56E-07	2.94E-07	6.50E-07	6.05E-08	4.71E-08	1.08E-07	2.88E-07	2.15E-07	5.03E-07	4.71E-08	4.18E-08	8.89E-08	3.52E-08	2.13E-08	5.65E-08
4874	562738.45	4235205.64	3.49E-07	2.87E-07	6.36E-07	5.92E-08	4.60E-08	1.05E-07	2.82E-07	2.11E-07	4.92E-07	4.61E-08	4.09E-08	8.70E-08	3.44E-08	2.09E-08	5.53E-08
4875	562731.68	4235198.88	3.41E-07	2.81E-07	6.23E-07	5.79E-08	4.51E-08	1.03E-07	2.76E-07	2.06E-07	4.82E-07	4.51E-08	4.00E-08	8.51E-08	3.37E-08	2.04E-08	5.41E-08
4876	562724.92	4235192.13	3.35E-07	2.76E-07	6.10E-07	5.68E-08	4.42E-08	1.01E-07	2.70E-07	2.02E-07	4.72E-07	4.42E-08	3.92E-08	8.34E-08	3.30E-08	2.00E-08	5.31E-08
4877	562718.16	4235185.38	3.28E-07	2.70E-07	5.98E-07	5.57E-08	4.33E-08	9.90E-08	2.65E-07	1.98E-07	4.63E-07	4.34E-08	3.85E-08	8.18E-08	3.24E-08	1.96E-08	5.20E-08
4878	562711.39	4235178.63	3.22E-07	2.65E-07	5.87E-07	5.46E-08	4.25E-08	9.72E-08	2.60E-07	1.95E-07	4.55E-07	4.26E-08	3.77E-08	8.03E-08	3.18E-08	1.93E-08	5.11E-08
4879	562704.63	4235171.87	3.16E-07	2.61E-07	5.77E-07	5.37E-08	4.18E-08	9.55E-08	2.55E-07	1.91E-07	4.47E-07	4.18E-08	3.71E-08	7.89E-08	3.12E-08	1.89E-08	5.02E-08
4880	562697.87	4235165.12	3.11E-07	2.56E-07	5.67E-07	5.28E-08	4.11E-08	9.38E-08	2.51E-07	1.88E-07	4.39E-07	4.11E-08	3.64E-08	7.75E-08	3.07E-08	1.86E-08	4.93E-08
4881	562691.1	4235158.37	3.06E-07	2.52E-07	5.58E-07	5.19E-08	4.04E-08	9.23E-08	2.47E-07	1.85E-07	4.32E-07	4.04E-08	3.58E-08	7.63E-08	3.02E-08	1.83E-08	4.85E-08
4882	562684.34	4235151.61	3.01E-07	2.48E-07	5.49E-07	5.10E-08	3.97E-08	9.08E-08	2.43E-07	1.82E-07	4.25E-07	3.98E-08	3.53E-08	7.50E-08	2.97E-08	1.80E-08	4.77E-08
4883	562677.58	4235144.86	2.96E-07	2.44E-07	5.40E-07	5.02E-08	3.91E-08	8.93E-08	2.39E-07	1.79E-07	4.18E-07	3.92E-08	3.47E-08	7.39E-08	2.92E-08	1.77E-08	4.70E-08
4884	562670.82	4235138.11	2.92E-07	2.40E-07	5.32E-07	4.95E-08	3.85E-08	8.80E-08	2.35E-07	1.76E-07	4.12E-07	3.86E-08	3.42E-08	7.27E-08	2.88E-08	1.75E-08	4.62E-08
4885	562664.05	4235131.36	2.87E-07	2.37E-07	5.24E-07	4.87E-08	3.79E-08	8.67E-08	2.32E-07	1.74E-07	4.05E-07	3.80E-08	3.37E-08	7.16E-08	2.84E-08	1.72E-08	4.56E-08
4886	562657.29	4235124.6	2.83E-07	2.33E-07	5.16E-07	4.80E-08	3.74E-08	8.54E-08	2.29E-07	1.71E-07	4.00E-07	3.74E-08	3.32E-08	7.06E-08	2.80E-08	1.69E-08	4.49E-08
4887	562650.53	4235117.85	2.79E-07	2.30E-07	5.09E-07	4.73E-08	3.69E-08	8.42E-08	2.25E-07	1.69E-07	3.94E-07	3.69E-08	3.27E-08	6.96E-08	2.76E-08	1.67E-08	4.43E-08
4888	562643.76	4235111.1	2.75E-07	2.27E-07	5.02E-07	4.67E-08	3.63E-08	8.30E-08	2.22E-07	1.66E-07	3.89E-07	3.64E-08	3.22E-08	6.86E-08	2.72E-08	1.65E-08	4.37E-08
4889	562637	4235104.35	2.72E-07	2.24E-07	4.95E-07	4.61E-08	3.59E-08	8.19E-08	2.19E-07	1.64E-07	3.83E-07	3.59E-08	3.18E-08	6.77E-08	2.68E-08	1.63E-08	4.31E-08
4890	562628.29	4235088.24	2.69E-07	2.22E-07	4.91E-07	4.56E-08	3.55E-08	8.12E-08	2.17E-07	1.63E-07	3.80E-07	3.56E-08	3.15E-08	6.71E-08	2.66E-08	1.61E-08	4.27E-08
4891	562626.35	4235078.88	2.70E-07	2.23E-07	4.93E-07	4.58E-08	3.57E-08	8.15E-08	2.18E-07	1.63E-07	3.81E-07	3.57E-08	3.16E-08	6.74E-08	2.67E-08	1.62E-08	4.28E-08
4892	562624.41	4235069.52	2.72E-07	2.24E-07	4.95E-07	4.61E-08	3.59E-08	8.19E-08	2.19E-07	1.64E-07	3.83E-07	3.59E-08	3.18E-08	6.77E-08	2.68E-08	1.63E-08	4.31E-08
4893	562622.47	4235060.16	2.73E-07	2.25E-07	4.99E-07	4.64E-08	3.61E-08	8.25E-08	2.21E-07	1.65E-07	3.86E-07	3.62E-08	3.20E-08	6.82E-08	2.70E-08	1.64E-08	4.34E-08
4894	562620.53	4235050.8	2.76E-07	2.27E-07	5.03E-07	4.68E-08	3.64E-08	8.32E-08	2.23E-07	1.67E-07	3.89E-07	3.65E-08	3.23E-08	6.88E-08	2.72E-08	1.65E-08	4.37E-08
4895	562618.59	4235041.45	2.79E-07	2.30E-07	5.08E-07	4.73E-08	3.68E-08	8.41E-08	2.25E-07	1.68E-07	3.94E-07	3.69E-08	3.27E-08	6.95E-08	2.75E-08	1.67E-08	4.42E-08
4896	562616.64	4235032.09	2.82E-07	2.33E-07	5.15E-07	4.79E-08	3.73E-08	8.52E-08	2.28E-07	1.71E-07	3.99E-07	3.73E-08	3.31E-08	7.04E-08	2.79E-08	1.69E-08	4.48E-08
4897	562614.7	4235022.73	2.87E-07	2.36E-07	5.23E-07	4.87E-08	3.79E-08	8.66E-08	2.32E-07	1.73E-07	4.05E-07	3.79E-08	3.36E-08	7.15E-08	2.83E-08	1.72E-08	4.55E-08
4898	562612.76	4235013.37	2.92E-07	2.41E-07	5.33E-07	4.96E-08	3.86E-08	8.81E-08	2.36E-07	1.77E-07	4.12E-07	3.86E-08	3.42E-08	7.29E-08	2.88E-08	1.75E-08	4.63E-08
4899	562610.82	4235004.02	2.98E-07	2.46E-07	5.44E-07	5.06E-08	3.94E-08	9.00E-08	2.41E-07	1.80E-07	4.21E-07	3.94E-08	3.50E-08	7.44E-08	2.95E-08	1.79E-08	4.73E-08
4900	562608.88	4234994.66	3.05E-07	2.52E-07	5.57E-07	5.18E-08	4.03E-08	9.22E-08	2.47E-07	1.85E-07	4.31E-07	4.04E-08	3.58E-08	7.62E-08	3.02E-08	1.83E-08	4.84E-08
4901	562606.94	4234985.3	3.14E-07	2.58E-07	5.72E-07	5.32E-08	4.14E-08	9.47E-08	2.53E-07	1.90E-07	4.43E-07	4.15E-08	3.68E-08	7.82E-08	3.10E-08	1.88E-08	4.98E-08
4902	562604.99	4234975.94	3.23E-07	2.66E-07	5.89E-07	5.48E-08	4.27E-08	9.75E-08	2.61E-07	1.95E-07	4.56E-07	4.27E-08	3.79E-08	8.06E-08	3.19E-08	1.93E-08	5.13E-08
4903	562603.05	4234966.58	3.34E-07	2.75E-07	6.09E-07	5.66E-08	4.41E-08	1.01E-07	2.69E-07	2.02E-07	4.71E-07	4.41E-08	3.91E-08	8.32E-08	3.30E-08	2.00E-08	5.29E-08
4904	562601.11	4234957.23	3.46E-07	2.85E-07	6.30E-07	5.87E-08	4.57E-08	1.04E-07	2.79E-07	2.09E-07	4.88E-07	4.57E-08	4.05E-08	8.62E-08	3.41E-08	2.07E-08	5.48E-08
4905	562599.17	4234947.87	3.59E-07	2.96E-07	6.55E-07	6.09E-08	4.74E-08	1.08E-07	2.90E-07	2.17E-07	5.07E-07	4.75E-08	4.21E-08	8.95E-08	3.55E-08	2.15E-08	5.69E-08
4906	562597.23	4234938.51	3.74E-07	3.08E-07	6.82E-07	6.34E-08	4.94E-08	1.13E-07	3.02E-07	2.26E-07	5.28E-07	4.94E-08	4.38E-08	9.32E-08	3.69E-08	2.24E-08	5.93E-08
4907	562595.29	4234929.15	3.90E-07	3.21E-07	7.11E-07	6.62E-08	5.15E-08	1.18E-07	3.15E-07	2.36E-07	5.51E-07	5.16E-08	4.57E-08	9.73E-08	3.85E-08	2.33E-08	6.19E-08
4908	562593.34	4234919.8	4.08E-07	3.36E-07	7.44E-07	6.92E-08	5.39E-08	1.23E-07	3.29E-07	2.47E-07	5.76E-07	5.39E-08	4.78E-08	1.02E-07	4.03E-08	2.44E-08	6.47E-08
4909	562591.4	4234910.44	4.28E-07	3.52E-07	7.80E-07	7.25E-08	5.65E-08	1.29E-07	3.45E-07	2.58E-07	6.04E-07	5.65E-08	5.01E-08	1.07E-07	4.22E-08	2.56E-08	6.78E-08
4910	562589.46	4234901.08	4.49E-07	3.70E-07	8.19E-07	7.62E-08	5.93E-08	1.35E-07	3.62E-07	2.71E-07	6.34E-07	5.94E-08	5.26E-08	1.12E-07	4.43E-08	2.69E-08	7.12E-08
4911	562587.52	4234891.72	4.72E-07	3.89E-07	8.61E-07	8.01E-08	6.24E-08	1.42E-07	3.81E-07	2.85E-07	6.67E-07	6.24E-08	5.53E-08	1.18E-07	4.66E-08	2.83E-08	7.49E-08
4912	562585.58	4234882.36	4.97E-07	4.10E-07	9.07E-07	8.44E-08	6.57E-08	1.50E-07	4.02E-07	3.01E-07	7.02E-07	6.58E-08	5.83E-08	1.24E-07	4.91E-08	2.98E-08	7.89E-08
4913	562583.64	4234873.01	5.24E-07	4.32E-07	9.57E-07	8.90E-08	6.93E-08	1.58E-07	4.23E-07	3.17E-07	7.40E-07	6.94E-08	6.15E-08	1.31E-07	5.18E-08	3.14E-08	8.32E-08
4914	562581.69	4234863.65	5.54E-07	4.56E-07	1.01E-06	9.39E-08	7.31E-08	1.67E-07	4.47E-07	3.35E-07	7.82E-07	7.32E-08	6.49E-08	1.38E-07	5.47E-08	3.31E-08	8.78E-08
4915	562579.75	4234854.29	5.85E-07	4.82E-07	1.07E-06	9.92E-08	7.72E-08	1.76E-07	4.72E-07	3.53E-07	8.25E-07	7.73E-08	6.85E-08	1.46E-07	5.77E-08	3.50E-08	9.27E-08
4916	562577.81	4234844.93	6.16E-07	5.08E-07	1.12E-06	1.05E-07	8.14E-08	1.86E-07	4.98E-07	3.72E-07	8.70E-07	8.15E-08	7.22E-08	1.54E-07	6.09E-08	3.69E-08	9.77E-08
4917	562575.87	4234835.58	6.43E-07	5.29E-07	1.17E-06	1.09E-07	8.49E-08	1.94E-07	5.19E-07	3.88E-07	9.07E-07	8.50E-08	7.53E-08	1.60E-07	6.35E-08	3.85E-08	1.02E-07
4918	562573.93	4234826.22	6.70E-07	5.52E-07	1.22E-06	1.14E-07	8.84E-08	2.02E-07	5.41E-07	4.05E-07	9.45E-07	8.85E-08	7.85E-08	1.67E-07	6.61E-08	4.01E-08	1.06E-07
4919	562833.13	4235300.17	4.89E-07	4.03E-07	8.91E-07	8.29E-08	6.45E-08	1.47E-07	3.94E-07	2.95E-07	6.90E-07	6.46E-08	5.73E-08	1.22E-07	4.82E-08	2.92E-08	7.75E-08
4920	562841.58	4235304.72	5.03E-07	4.15E-07	9.18E-07	8.54E-08	6.65E-08	1.52E-07	4.06E-07	3.04E-07	7.11E-07	6.66E-08	5.90E-08	1.26E-07	4.97E-08	3.01E-08	7.98E-08
4921	562850.03	4235309.27	5.18E-07	4.27E-07	9.45E-07	8.79E-08	6.85E-08	1.56E-07	4.18E-07	3.13E-07	7.32E-07	6.85E-08	6.07E-08	1.29E-07	5.12E-08	3.10E-08	8.22E-08
4922	562858.48	4235313.82	5.35E-07	4.41E-07	9.76E-07	9.08E-08	7.07E-08	1.62E-07	4.32E-07	3.24E-07	7.56E-07	7.08E-08	6.27E-08	1.34E-07	5.29E-08	3.20E-08	8.49E-08
4923	562866.94	4235318.37	5.54E-07	4.57E-07	1.01E-06	9.40E-08	7.32E-08	1.67E-07	4.47E-07	3.35E-07	7.82E-07	7.33E-08	6.49E-08	1.38E-07	5.47E-08	3.32E-08	8.79E-08
4924	562875.39	4235322.92	5.73E-07	4.72E-07	1.05E-06	9.73E-08	7.57E-08	1.73E-07	4.63E-07	3.46E-07	8.09E-07	7.58E-08	6.72E-08	1.43E-07	5.66E-08	3.43E-08	9.09E-08
4925	562883.84	4235327.47	5.92E-07	4.88E-07	1.08E-06	1.01E-07	7.82E-08	1.79E-07	4.78E-07	3.58E-07	8.36E-07	7.83E-08	6.94E-08	1.48E-07	5.85E-08	3.55E-08	9.40E-08

4926	562892.29	4235332.02	6.08E-07	5.01E-07	1.11E-06	1.03E-07	8.03E-08	1.84E-07	4.91E-07	3.68E-07	8.59E-07	8.04E-08	7.13E-08	1.52E-07	6.01E-08	3.64E-08	9.65E-08
4927	562900.74	4235336.57	6.24E-07	5.14E-07	1.14E-06	1.06E-07	8.24E-08	1.88E-07	5.04E-07	3.77E-07	8.81E-07	8.25E-08	7.31E-08	1.56E-07	6.16E-08	3.74E-08	9.90E-08
4928	562909.19	4235341.12	6.40E-07	5.27E-07	1.17E-06	1.09E-07	8.46E-08	1.93E-07	5.17E-07	3.87E-07	9.04E-07	8.47E-08	7.50E-08	1.60E-07	6.32E-08	3.83E-08	1.02E-07
4929	562917.64	4235345.67	6.57E-07	5.41E-07	1.20E-06	1.11E-07	8.67E-08	1.98E-07	5.30E-07	3.97E-07	9.27E-07	8.68E-08	7.69E-08	1.64E-07	6.48E-08	3.93E-08	1.04E-07
4930	562926.1	4235350.22	6.73E-07	5.55E-07	1.23E-06	1.14E-07	8.89E-08	2.03E-07	5.44E-07	4.07E-07	9.50E-07	8.90E-08	7.89E-08	1.68E-07	6.65E-08	4.03E-08	1.07E-07
4931	562934.55	4235354.77	6.90E-07	5.68E-07	1.26E-06	1.17E-07	9.11E-08	2.08E-07	5.57E-07	4.17E-07	9.74E-07	9.13E-08	8.09E-08	1.72E-07	6.81E-08	4.13E-08	1.09E-07
4932	562943	4235359.32	7.07E-07	5.83E-07	1.29E-06	1.20E-07	9.34E-08	2.13E-07	5.71E-07	4.27E-07	9.98E-07	9.35E-08	8.29E-08	1.76E-07	6.98E-08	4.23E-08	1.12E-07
4933	562951.45	4235363.87	7.24E-07	5.97E-07	1.32E-06	1.23E-07	9.57E-08	2.19E-07	5.85E-07	4.38E-07	1.02E-06	9.58E-08	8.49E-08	1.81E-07	7.15E-08	4.34E-08	1.15E-07
4934	562959.9	4235368.42	7.42E-07	6.11E-07	1.35E-06	1.26E-07	9.80E-08	2.24E-07	5.99E-07	4.48E-07	1.05E-06	9.81E-08	8.69E-08	1.85E-07	7.33E-08	4.44E-08	1.18E-07
4935	562968.35	4235372.97	7.59E-07	6.25E-07	1.38E-06	1.29E-07	1.00E-07	2.29E-07	6.13E-07	4.59E-07	1.07E-06	1.00E-07	8.90E-08	1.89E-07	7.50E-08	4.54E-08	1.20E-07
4936	562976.8	4235377.51	7.76E-07	6.39E-07	1.42E-06	1.32E-07	1.03E-07	2.34E-07	6.27E-07	4.69E-07	1.10E-06	1.03E-07	9.10E-08	1.94E-07	7.67E-08	4.65E-08	1.23E-07
4937	562985.26	4235382.06	7.93E-07	6.53E-07	1.45E-06	1.35E-07	1.05E-07	2.39E-07	6.40E-07	4.79E-07	1.12E-06	1.05E-07	9.29E-08	1.98E-07	7.83E-08	4.75E-08	1.26E-07
4938	562993.71	4235386.61	8.09E-07	6.67E-07	1.48E-06	1.37E-07	1.07E-07	2.44E-07	6.53E-07	4.89E-07	1.14E-06	1.07E-07	9.48E-08	2.02E-07	7.99E-08	4.84E-08	1.28E-07
4939	563002.16	4235391.16	8.25E-07	6.80E-07	1.50E-06	1.40E-07	1.09E-07	2.49E-07	6.66E-07	4.99E-07	1.16E-06	1.09E-07	9.67E-08	2.06E-07	8.15E-08	4.94E-08	1.31E-07
4940	563010.61	4235395.71	8.40E-07	6.92E-07	1.53E-06	1.42E-07	1.11E-07	2.53E-07	6.78E-07	5.07E-07	1.19E-06	1.11E-07	9.84E-08	2.09E-07	8.29E-08	5.03E-08	1.33E-07
4941	562807.53	4235328.76	4.36E-07	3.59E-07	7.95E-07	7.39E-08	5.75E-08	1.31E-07	3.52E-07	2.63E-07	6.15E-07	5.76E-08	5.11E-08	1.09E-07	4.30E-08	2.61E-08	6.91E-08
4942	562800.89	4235322.13	4.26E-07	3.51E-07	7.78E-07	7.24E-08	5.63E-08	1.29E-07	3.44E-07	2.58E-07	6.02E-07	5.64E-08	5.00E-08	1.06E-07	4.21E-08	2.55E-08	6.76E-08
4943	562794.25	4235315.5	4.17E-07	3.44E-07	7.61E-07	7.08E-08	5.51E-08	1.26E-07	3.37E-07	2.52E-07	5.89E-07	5.52E-08	4.89E-08	1.04E-07	4.12E-08	2.50E-08	6.61E-08
4944	562787.61	4235308.87	4.08E-07	3.36E-07	7.43E-07	6.92E-08	5.38E-08	1.23E-07	3.29E-07	2.46E-07	5.75E-07	5.39E-08	4.78E-08	1.02E-07	4.03E-08	2.44E-08	6.47E-08
4945	562780.97	4235302.24	3.98E-07	3.28E-07	7.26E-07	6.76E-08	5.26E-08	1.20E-07	3.22E-07	2.41E-07	5.62E-07	5.27E-08	4.67E-08	9.93E-08	3.93E-08	2.38E-08	6.32E-08
4946	562774.33	4235295.61	3.89E-07	3.20E-07	7.09E-07	6.60E-08	5.14E-08	1.17E-07	3.14E-07	2.35E-07	5.49E-07	5.14E-08	4.56E-08	9.70E-08	3.84E-08	2.33E-08	6.17E-08
4947	562767.69	4235288.98	3.80E-07	3.13E-07	6.93E-07	6.44E-08	5.02E-08	1.15E-07	3.07E-07	2.29E-07	5.36E-07	5.02E-08	4.45E-08	9.47E-08	3.75E-08	2.27E-08	6.02E-08
4948	562761.05	4235282.35	3.71E-07	3.05E-07	6.76E-07	6.29E-08	4.90E-08	1.12E-07	2.99E-07	2.24E-07	5.23E-07	4.90E-08	4.34E-08	9.25E-08	3.66E-08	2.22E-08	5.88E-08
4949	562754.41	4235275.72	3.62E-07	2.98E-07	6.60E-07	6.14E-08	4.78E-08	1.09E-07	2.92E-07	2.19E-07	5.11E-07	4.79E-08	4.24E-08	9.03E-08	3.58E-08	2.17E-08	5.74E-08
4950	562747.77	4235269.1	3.54E-07	2.91E-07	6.45E-07	6.00E-08	4.67E-08	1.07E-07	2.86E-07	2.14E-07	4.99E-07	4.68E-08	4.14E-08	8.82E-08	3.49E-08	2.12E-08	5.61E-08
4951	562741.13	4235262.47	3.46E-07	2.85E-07	6.30E-07	5.86E-08	4.56E-08	1.04E-07	2.79E-07	2.09E-07	4.88E-07	4.57E-08	4.05E-08	8.62E-08	3.41E-08	2.07E-08	5.48E-08
4952	562734.49	4235255.84	3.38E-07	2.78E-07	6.16E-07	5.73E-08	4.46E-08	1.02E-07	2.73E-07	2.04E-07	4.77E-07	4.47E-08	3.96E-08	8.43E-08	3.34E-08	2.02E-08	5.36E-08
4953	562727.85	4235249.21	3.30E-07	2.72E-07	6.03E-07	5.61E-08	4.36E-08	9.97E-08	2.67E-07	2.00E-07	4.67E-07	4.37E-08	3.87E-08	8.24E-08	3.26E-08	1.98E-08	5.24E-08
4954	562721.21	4235242.58	3.24E-07	2.67E-07	5.90E-07	5.49E-08	4.27E-08	9.76E-08	2.61E-07	1.96E-07	4.57E-07	4.28E-08	3.79E-08	8.07E-08	3.19E-08	1.94E-08	5.13E-08
4955	562714.57	4235235.95	3.17E-07	2.61E-07	5.78E-07	5.38E-08	4.19E-08	9.56E-08	2.56E-07	1.92E-07	4.47E-07	4.19E-08	3.71E-08	7.91E-08	3.13E-08	1.90E-08	5.03E-08
4956	562707.93	4235229.32	3.11E-07	2.56E-07	5.67E-07	5.27E-08	4.11E-08	9.38E-08	2.51E-07	1.88E-07	4.39E-07	4.11E-08	3.64E-08	7.75E-08	3.07E-08	1.86E-08	4.93E-08
4957	562701.29	4235222.69	3.05E-07	2.51E-07	5.56E-07	5.18E-08	4.03E-08	9.20E-08	2.46E-07	1.84E-07	4.31E-07	4.03E-08	3.57E-08	7.61E-08	3.01E-08	1.83E-08	4.84E-08
4958	562694.65	4235216.06	3.00E-07	2.47E-07	5.46E-07	5.08E-08	3.96E-08	9.04E-08	2.42E-07	1.81E-07	4.23E-07	3.96E-08	3.51E-08	7.47E-08	2.96E-08	1.79E-08	4.75E-08
4959	562688.01	4235209.43	2.94E-07	2.43E-07	5.37E-07	5.00E-08	3.89E-08	8.88E-08	2.38E-07	1.78E-07	4.16E-07	3.89E-08	3.45E-08	7.34E-08	2.91E-08	1.76E-08	4.67E-08
4960	562681.37	4235202.8	2.90E-07	2.39E-07	5.28E-07	4.91E-08	3.82E-08	8.74E-08	2.34E-07	1.75E-07	4.09E-07	3.83E-08	3.39E-08	7.22E-08	2.86E-08	1.73E-08	4.59E-08
4961	562674.73	4235196.17	2.85E-07	2.35E-07	5.20E-07	4.84E-08	3.76E-08	8.60E-08	2.30E-07	1.72E-07	4.02E-07	3.77E-08	3.34E-08	7.11E-08	2.81E-08	1.71E-08	4.52E-08
4962	562668.09	4235189.54	2.81E-07	2.31E-07	5.12E-07	4.76E-08	3.71E-08	8.47E-08	2.27E-07	1.70E-07	3.96E-07	3.71E-08	3.29E-08	7.00E-08	2.77E-08	1.68E-08	4.45E-08
4963	562661.45	4235182.91	2.76E-07	2.28E-07	5.04E-07	4.69E-08	3.65E-08	8.34E-08	2.23E-07	1.67E-07	3.90E-07	3.66E-08	3.24E-08	6.89E-08	2.73E-08	1.65E-08	4.38E-08
4964	562654.81	4235176.28	2.72E-07	2.24E-07	4.97E-07	4.62E-08	3.60E-08	8.22E-08	2.20E-07	1.65E-07	3.85E-07	3.60E-08	3.19E-08	6.79E-08	2.69E-08	1.63E-08	4.32E-08
4965	562648.17	4235169.65	2.68E-07	2.21E-07	4.90E-07	4.56E-08	3.55E-08	8.10E-08	2.17E-07	1.62E-07	3.79E-07	3.55E-08	3.15E-08	6.70E-08	2.65E-08	1.61E-08	4.26E-08
4966	562641.53	4235163.02	2.65E-07	2.18E-07	4.83E-07	4.49E-08	3.50E-08	7.99E-08	2.14E-07	1.60E-07	3.74E-07	3.50E-08	3.10E-08	6.60E-08	2.61E-08	1.58E-08	4.20E-08
4967	562634.89	4235156.39	2.61E-07	2.15E-07	4.76E-07	4.43E-08	3.45E-08	7.88E-08	2.11E-07	1.58E-07	3.69E-07	3.45E-08	3.06E-08	6.51E-08	2.58E-08	1.56E-08	4.14E-08
4968	562628.25	4235149.76	2.57E-07	2.12E-07	4.70E-07	4.37E-08	3.40E-08	7.77E-08	2.08E-07	1.56E-07	3.63E-07	3.40E-08	3.02E-08	6.42E-08	2.54E-08	1.54E-08	4.08E-08
4969	562621.61	4235143.13	2.54E-07	2.09E-07	4.63E-07	4.31E-08	3.35E-08	7.66E-08	2.05E-07	1.54E-07	3.59E-07	3.36E-08	2.98E-08	6.34E-08	2.51E-08	1.52E-08	4.03E-08
4970	562614.97	4235136.5	2.51E-07	2.07E-07	4.57E-07	4.25E-08	3.31E-08	7.56E-08	2.02E-07	1.51E-07	3.54E-07	3.31E-08	2.94E-08	6.25E-08	2.48E-08	1.50E-08	3.98E-08
4971	562608.33	4235129.87	2.47E-07	2.04E-07	4.51E-07	4.20E-08	3.27E-08	7.47E-08	2.00E-07	1.50E-07	3.49E-07	3.27E-08	2.90E-08	6.17E-08	2.44E-08	1.48E-08	3.92E-08
4972	562601.68	4235123.24	2.44E-07	2.01E-07	4.46E-07	4.15E-08	3.23E-08	7.37E-08	1.97E-07	1.48E-07	3.45E-07	3.23E-08	2.86E-08	6.09E-08	2.41E-08	1.46E-08	3.87E-08
4973	562593.14	4235107.42	2.42E-07	1.99E-07	4.41E-07	4.10E-08	3.19E-08	7.30E-08	1.95E-07	1.46E-07	3.41E-07	3.20E-08	2.83E-08	6.03E-08	2.39E-08	1.45E-08	3.84E-08
4974	562591.23	4235098.23	2.43E-07	2.00E-07	4.42E-07	4.11E-08	3.20E-08	7.32E-08	1.96E-07	1.47E-07	3.42E-07	3.21E-08	2.84E-08	6.05E-08	2.40E-08	1.45E-08	3.85E-08
4975	562589.33	4235089.05	2.43E-07	2.01E-07	4.44E-07	4.13E-08	3.22E-08	7.35E-08	1.97E-07	1.47E-07	3.44E-07	3.22E-08	2.85E-08	6.07E-08	2.40E-08	1.46E-08	3.86E-08
4976	562587.42	4235079.86	2.45E-07	2.02E-07	4.46E-07	4.15E-08	3.23E-08	7.38E-08	1.98E-07	1.48E-07	3.45E-07	3.24E-08	2.87E-08	6.10E-08	2.42E-08	1.46E-08	3.88E-08
4977	562585.51	4235070.67	2.46E-07	2.03E-07	4.49E-07	4.18E-08	3.25E-08	7.43E-08	1.99E-07	1.49E-07	3.48E-07	3.26E-08	2.89E-08	6.14E-08	2.43E-08	1.47E-08	3.91E-08
4978	562583.61	4235061.48	2.48E-07	2.05E-07	4.53E-07	4.21E-08	3.28E-08	7.49E-08	2.01E-07	1.50E-07	3.51E-07	3.28E-08	2.91E-08	6.19E-08	2.45E-08	1.49E-08	3.94E-08
4979	562581.7	4235052.29	2.51E-07	2.07E-07	4.57E-07	4.26E-08	3.31E-08	7.57E-08	2.03E-07	1.52E-07	3.54E-07	3.32E-08	2.94E-08	6.26E-08	2.48E-08	1.50E-08	3.98E-08
4980	562579.79	4235043.11	2.54E-07	2.09E-07	4.63E-07	4.31E-08	3.35E-08	7.66E-08	2.05E-07	1.53E-07	3.58E-07	3.36E-08	2.98E-08	6.33E-08	2.51E-08	1.52E-08	4.03E-08
4981	562577.89	4235033.92	2.58E-07	2.12E-07	4.70E-07	4.37E-08	3.40E-08	7.77E-08	2.08E-07	1.56E-07	3.64E-07	3.41E-08	3.02E-08	6.42E-08	2.54E-08	1.54E-08	4.09E-08
4982	562575.98	4235024.73	2.62E-07	2.16E-07	4.78E-07	4.44E-08	3.46E-08	7.90E-08	2.11E-07	1.58E-07	3.70E-07	3.46E-08	3.07E-08	6.53E-08	2.59E-08	1.57E-08	4.15E-08
4983	562574.07	4235015.54	2.67E-07	2.20E-07	4.87E-07	4.53E-08	3.53E-08	8.06E-08	2.16E-07	1.61E-07	3.77E-07	3.53E-08	3.13E-08	6.66E-08	2.64E-08	1.60E-08	4.24E-08
4984	562572.17	4235006.36	2.73E-07	2.25E-07	4.98E-07	4.63E-08	3.61E-08	8.24E-08	2.20E-07	1.65E-07	3.85E-07	3.61E-08	3.20E-08	6.81E-08	2.70E-08	1.63E-08	4.33E-08
4985	562570.26	4234997.17	2.80E-07	2.30E-07	5.10E-07	4.75E-08	3.69E-08	8.44E-08	2.26E-07	1.69E-07	3.95E-07	3.70E-08	3.28E-08	6.98E-08	2.76E-08	1.67E-08	4.44E-08
4986	562568.36	4234987.98	2.87E-07	2.37E-07	5.24E-07	4.88E-08	3.80E-08	8.67E-08	2.32E-07	1.74E-07	4.06E-07	3.80E-08	3.37E-08	7.17E-08	2.84E-08	1.72E-08	4.56E-08
4987	562566.45	4234978.79	2.96E-07	2.44E-07	5.40E-07	5.03E-08	3.91E-08	8.94E-08	2.39E-07	1.79E-07	4.18E-07	3.92E-08	3.47E-08	7.39E-08	2.92E-08	1.77E-08	4.70E-08
4988	562564.54	4234969.61	3.06E-07	2.52E-07	5.58E-07	5.19E-08	4.04E-08	9.23E-08	2.47E-07	1.85E-07	4.32E-07	4.04E-08	3.58E-08	7.63E-08	3.02E-08	1.83E-08	4.85E-08
4989	562562.64	4234960.42	3.17E-07	2.61E-07	5.77E-07	5.37E-08	4.18E-08	9.55E-08	2.56E-07	1.91E-07	4.47E-07	4.19E-08	3.71E-08	7.90E-08	3.13E-08	1.89E-08	5.02E-08
4990	562560.73	4234951.23	3.28E-07	2.71E-07	5.99E-07	5.57E-08	4.34E-08	9.91E-08	2.65E-07	1.99E-07	4.64E-07	4.34E-08	3.85E-08	8.19E-08	3.24E-08	1.97E-08	5.21E-08
4991	562558.82	4234942.04	3.42E-07	2.81E-07	6.23E-07	5.79E-08	4.51E-08	1.03E-07	2.76E-07	2.06E-07	4.82E-07	4.52E-08	4.00E-08	8.52E-08	3.37E-08	2.04E-08	5.42E-08
4992	562556.92	4234932.86	3.56E-07	2.93E-07	6.49E-07	6.04E-08	4.70E-08	1.07E-07	2.87E-07	2.15E-07	5.02E-07	4.71E-08	4.17E-08	8.87E-08	3.51E-08	2.13E-08	5.64E-08
4993	562555.01	4234923.67	3.71E-07	3.06E-07	6.77E-07	6.30E-08	4.91E-08	1.12E-07	3.00E-07	2.24E-07	5.24E-07	4.91E-08	4.35E-08	9.26E-08	3.67E-08	2.22E-08	5.89E-08
4994	562553.11	4234914.48	3.88E-07	3.20E-07	7.08E-07	6.59E-08	5.13E-08	1.17E-07	3.14E-07	2.35E-07	5.48E-07	5.14E-08	4.55E-08	9.69E-08	3.84E-08	2.32E-08	6.16E-08
4995	562551.2	4234905.29	4.07E-07	3.35E-07	7.42E-07	6.90E-08	5.37E-08	1.23E-07	3.28E-07	2.46E-07	5.74E-07	5.38E-08	4.77E-08	1.01E-07	4.02E-08	2.43E-08	6.45E-08
4996	562549.29	4234896.1	4.27E-07	3.51E-07	7.78E-07	7.24E-08	5.63E-08	1.29E-07	3.44E-07	2.58E-07	6.02E-07	5.64E-08	5.00E-08	1.06E-07	4.21E-08	2.55E-08	6.77E-08
4997	562547.39	4234886.92	4.48E-07	3.69E-07	8.17E-07	7.60E-08	5.92E-08	1.35E-07	3.62E-07	2.71E-07	6.32E-07	5.92E-08	5.25E-08	1.12E-07	4.42E-08	2.68E-08	7.11E-08
4998	562545.48	4234877.73	4.71E-07	3.88E-07	8.59E-07	7.99E-08	6.22E-08	1.42E-07	3.80E-07	2.85E-07	6.65E-07	6.23E-08	5.52E-08	1.17E-07	4.65E-08	2.82E-08	7.47E-08
4999	562543.57	4234868.54	4.94E-07	4.07E-07	9.01E-07	8.38E-08	6.52E-08	1.49E-07	3.99E-07	2.99E-07	6.97E-07	6.53E-08	5.79E-08	1.23E-07	4.88E-08	2.96E-08	7.83E-08
5000	562541.67	4234859.35	5.17E-07	4.26E-07	9.43E-07	8.78E-08	6.83E-08	1.56E-07	4.18E-07	3.13E-07	7.30E-07	6.84E-08	6.06E-08	1.29E-07	5.11E-08	3.10E-08	8.20E-08
5001	562539.76	4234850.17	5.41E-07	4.46E-07	9.86E-07	9.18E-08	7.14E-08	1.63E-07	4.37E-07	3.27E-07	7.63E-07	7.15E-08	6.34E-08	1.35E-07	5.34E-08	3.24E-08	8.58E-08
5002	562537.85	4234840.98	5.65E-07	4.65E-07	1.03E-06	9.59E-08	7.46E-08	1.70E-07	4.56E-07	3.41E-07	7.98E-07	7.47E-08	6.62E-08	1.41E-07	5.58E-08	3.38E-08	8.96E-08
5003	562535.95	4234831.79	5.91E-07	4.87E-07	1.08E-06	1.00E-07	7.80E-08	1.78E-07	4.77E-07	3.57E-07	8.34E-07	7.81E-08	6.92E-08	1.47E-07	5.83E-08	3.53E-08	9.37E-08
5004	562534.04	4234822.6	6.18E-07	5.09E-07	1.13E-06	1.05E-07	8.16E-08	1.86E-07	4.99E-07	3.73E-07	8.72E-07	8.17E-08	7.24E-08	1.54E-07	6.10E-08	3.70E-08	9.80E-08
5005	562814.17	4235335.39	4.45E-07	3.66E-07	8.11E-07	7.55E-08	5.87E-08	1.34E-07	3.59E-07	2.69E-07	6.28E-07	5.88E-08	5.21E-08	1.11E-07	4.39E-08	2.66E-08	7.06E-08
5006	562822.62	4235339.94	4.57E-07	3.77E-07	8.34E-07	7.76E-08	6.04E-08	1.38E-07	3.69E-07	2.76E-07	6.46E-07	6.05E-08	5.36E-08	1.14E-07	4.52E-08	2.74E-08	7.25E-08
5007	562831.07	4235344.49	4.70E-07	3.87E-07	8.57E-07	7.97E-08	6.21E-08	1.42E-07	3.79E-07	2.84E-07	6.63E-07	6.21E-08	5.51E-08	1.17E-07	4.64E-08	2.81E-08	7.45E-08
5008	562839.52	4235349.04	4.83E-07	3.98E-07	8.80E-07	8.19E-08	6.37E-08	1.46E-07	3.90E-07	2.92E-07	6.81E-07	6.38E-08	5.65E-08	1.20E-07	4.77E-08	2.89E-08	7.65E-08
5009	562847.98	4235353.59	4.95E-07	4.08E-07	9.03E-07	8.40E-08	6.54E-08	1.49E-07	4.00E-07	2.99E-07	6.99E-07	6.55E-08	5.80E-08	1.24E-07	4.89E-08	2.96E-08	7.85E-08
5010	562856.43	4235358.14	5.09E-07	4.19E-07	9.28E-07	8.63E-08	6.72E-08	1.54E-07	4.11E-07	3.08E-07	7.18E-07	6.73E-08	5.96E-08	1.27E-07	5.03E-08	3.05E-08	8.07E-08
5011	562864.88	4235362.69	5.25E-07	4.32E-07	9.57E-07	8.91E-08	6.93E-08	1.58E-07	4.24E-07	3.17E-07	7.41E-07	6.94E-08	6.15E-08	1.31E-07	5.18E-08	3.14E-08	8.33E-08
5012	562873.33	4235367.24	5.41E-07	4.46E-07	9.87E-07	9.18E-08	7.15E-08	1.63E-07	4.37E-07	3.27E-07	7.64E-07	7.16E-08	6.34E-08	1.35E-07	5.34E-08	3.24E-08	8.58E-08
5013	562881.78	4235371.79	5.57E-07	4.59E-07	1.02E-06	9.46E-08	7.36E-08	1.68E-07	4.50E-07	3.37E-07	7.87E-07	7.37E-08	6.53E-08	1.39E-07	5.51E-08	3.34E-08	8.84E-08
5014	562890.23	4235376.34	5.71E-07	4.71E-07	1.04E-06	9.69E-08	7.55E-08	1.72E-07	4.61E-07	3.45E-07	8.07E-07	7.55E-08	6.69E-08	1.42E-07	5.64E-08	3.42E-08	9.06E-08
5015	562898.68	4235380.89	5.85E-07	4.82E-07	1.07E-06	9.92E-08	7.72E-08	1.76E-07	4.72E-07	3.53E-07	8.25E-07	7.73E-08	6.85E-08	1.46E-07	5.77E-08	3.50E-08	9.27E-08
5016	562907.14	4235385.44	5.98E-07	4.93E-07	1.09E-06	1.02E-07	7.90E-08	1.81E-07	4.83E-07	3.62E-07	8.45E-07	7.91E-08	7.01E-08	1.49E-07	5.91E-08	3.58E-08	9.49E-08
5017	562915.59	4235389.99	6.12E-07	5.04E-07	1.12E-06	1.04E-07	8.08E-08	1.85E-07	4.94E-07	3.70E-07	8.64E-07	8.09E-08	7.17E-08	1.53E-07	6.05E-08	3.66E-08	9.71E-08
5018	562924.04	4235394.54	6.26E-07	5.16E-07	1.14E-06	1.06E-07	8.27E-08	1.89E-07	5.06E-07	3.78E-07	8.84E-07	8.28E-08	7.34E-08	1.56E-07	6.18E-08	3.75E-08	9.93E-08

5019	562932.49	4235399.09	6.40E-07	5.28E-07	1.17E-06	1.09E-07	8.46E-08	1.93E-07	5.17E-07	3.87E-07	9.04E-07	8.47E-08	7.51E-08	1.60E-07	6.33E-08	3.83E-08	1.02E-07
5020	562940.94	4235403.64	6.55E-07	5.40E-07	1.19E-06	1.11E-07	8.65E-08	1.98E-07	5.29E-07	3.96E-07	9.25E-07	8.66E-08	7.67E-08	1.63E-07	6.47E-08	3.92E-08	1.04E-07
5021	562949.39	4235408.19	6.69E-07	5.52E-07	1.22E-06	1.14E-07	8.84E-08	2.02E-07	5.41E-07	4.05E-07	9.45E-07	8.85E-08	7.84E-08	1.67E-07	6.61E-08	4.01E-08	1.06E-07
5022	562957.84	4235412.74	6.84E-07	5.63E-07	1.25E-06	1.16E-07	9.03E-08	2.06E-07	5.52E-07	4.13E-07	9.66E-07	9.05E-08	8.02E-08	1.71E-07	6.75E-08	4.09E-08	1.08E-07
5023	562966.3	4235417.29	6.98E-07	5.75E-07	1.27E-06	1.19E-07	9.22E-08	2.11E-07	5.64E-07	4.22E-07	9.86E-07	9.24E-08	8.18E-08	1.74E-07	6.90E-08	4.18E-08	1.11E-07
5024	562974.75	4235421.83	7.13E-07	5.87E-07	1.30E-06	1.21E-07	9.41E-08	2.15E-07	5.75E-07	4.31E-07	1.01E-06	9.42E-08	8.35E-08	1.78E-07	7.04E-08	4.27E-08	1.13E-07
5025	562983.2	4235426.38	7.26E-07	5.98E-07	1.32E-06	1.23E-07	9.59E-08	2.19E-07	5.87E-07	4.39E-07	1.03E-06	9.61E-08	8.51E-08	1.81E-07	7.17E-08	4.35E-08	1.15E-07
5026	562991.65	4235430.93	7.40E-07	6.09E-07	1.35E-06	1.26E-07	9.77E-08	2.23E-07	5.97E-07	4.47E-07	1.04E-06	9.78E-08	8.67E-08	1.84E-07	7.30E-08	4.43E-08	1.17E-07
5027	562788.49	4235363.9	3.99E-07	3.29E-07	7.28E-07	6.78E-08	5.27E-08	1.20E-07	3.22E-07	2.41E-07	5.64E-07	5.28E-08	4.68E-08	9.96E-08	3.94E-08	2.39E-08	6.33E-08
5028	562781.76	4235357.19	3.91E-07	3.22E-07	7.13E-07	6.64E-08	5.17E-08	1.18E-07	3.16E-07	2.36E-07	5.52E-07	5.17E-08	4.58E-08	9.76E-08	3.86E-08	2.34E-08	6.20E-08
5029	562775.04	4235350.47	3.83E-07	3.15E-07	6.98E-07	6.50E-08	5.06E-08	1.16E-07	3.09E-07	2.31E-07	5.41E-07	5.06E-08	4.49E-08	9.55E-08	3.78E-08	2.29E-08	6.07E-08
5030	562768.31	4235343.76	3.75E-07	3.09E-07	6.83E-07	6.36E-08	4.95E-08	1.13E-07	3.02E-07	2.26E-07	5.29E-07	4.95E-08	4.39E-08	9.34E-08	3.70E-08	2.24E-08	5.94E-08
5031	562761.59	4235337.04	3.66E-07	3.02E-07	6.68E-07	6.21E-08	4.84E-08	1.11E-07	2.96E-07	2.21E-07	5.17E-07	4.84E-08	4.29E-08	9.14E-08	3.62E-08	2.19E-08	5.81E-08
5032	562754.86	4235330.33	3.58E-07	2.95E-07	6.53E-07	6.07E-08	4.73E-08	1.08E-07	2.89E-07	2.16E-07	5.05E-07	4.73E-08	4.19E-08	8.93E-08	3.54E-08	2.14E-08	5.68E-08
5033	562748.14	4235323.62	3.50E-07	2.88E-07	6.38E-07	5.93E-08	4.62E-08	1.06E-07	2.82E-07	2.11E-07	4.94E-07	4.62E-08	4.10E-08	8.72E-08	3.45E-08	2.09E-08	5.55E-08
5034	562741.41	4235316.9	3.42E-07	2.81E-07	6.23E-07	5.80E-08	4.51E-08	1.03E-07	2.76E-07	2.06E-07	4.82E-07	4.52E-08	4.00E-08	8.52E-08	3.37E-08	2.04E-08	5.42E-08
5035	562734.69	4235310.19	3.34E-07	2.75E-07	6.09E-07	5.66E-08	4.41E-08	1.01E-07	2.69E-07	2.02E-07	4.71E-07	4.41E-08	3.91E-08	8.32E-08	3.30E-08	2.00E-08	5.29E-08
5036	562727.97	4235303.47	3.26E-07	2.69E-07	5.95E-07	5.53E-08	4.31E-08	9.84E-08	2.63E-07	1.97E-07	4.60E-07	4.31E-08	3.82E-08	8.13E-08	3.22E-08	1.95E-08	5.17E-08
5037	562721.24	4235296.76	3.19E-07	2.63E-07	5.81E-07	5.41E-08	4.21E-08	9.62E-08	2.57E-07	1.93E-07	4.50E-07	4.22E-08	3.74E-08	7.95E-08	3.15E-08	1.91E-08	5.06E-08
5038	562714.52	4235290.05	3.12E-07	2.57E-07	5.69E-07	5.29E-08	4.12E-08	9.41E-08	2.52E-07	1.88E-07	4.40E-07	4.12E-08	3.65E-08	7.78E-08	3.08E-08	1.87E-08	4.94E-08
5039	562707.79	4235283.33	3.05E-07	2.51E-07	5.56E-07	5.18E-08	4.03E-08	9.20E-08	2.46E-07	1.84E-07	4.31E-07	4.03E-08	3.57E-08	7.61E-08	3.01E-08	1.83E-08	4.84E-08
5040	562701.07	4235276.62	2.99E-07	2.46E-07	5.45E-07	5.07E-08	3.95E-08	9.01E-08	2.41E-07	1.81E-07	4.22E-07	3.95E-08	3.50E-08	7.45E-08	2.95E-08	1.79E-08	4.74E-08
5041	562694.34	4235269.9	2.93E-07	2.41E-07	5.34E-07	4.97E-08	3.87E-08	8.83E-08	2.36E-07	1.77E-07	4.13E-07	3.87E-08	3.43E-08	7.30E-08	2.89E-08	1.75E-08	4.64E-08
5042	562687.62	4235263.19	2.87E-07	2.37E-07	5.24E-07	4.87E-08	3.79E-08	8.66E-08	2.32E-07	1.74E-07	4.05E-07	3.80E-08	3.36E-08	7.16E-08	2.84E-08	1.72E-08	4.55E-08
5043	562680.89	4235256.48	2.82E-07	2.32E-07	5.14E-07	4.78E-08	3.72E-08	8.50E-08	2.28E-07	1.70E-07	3.98E-07	3.73E-08	3.30E-08	7.03E-08	2.78E-08	1.69E-08	4.47E-08
5044	562674.17	4235249.76	2.77E-07	2.28E-07	5.05E-07	4.70E-08	3.66E-08	8.36E-08	2.24E-07	1.67E-07	3.91E-07	3.66E-08	3.25E-08	6.91E-08	2.73E-08	1.66E-08	4.39E-08
5045	562667.45	4235243.05	2.72E-07	2.24E-07	4.97E-07	4.62E-08	3.60E-08	8.22E-08	2.20E-07	1.65E-07	3.84E-07	3.60E-08	3.19E-08	6.79E-08	2.69E-08	1.63E-08	4.32E-08
5046	562660.72	4235236.33	2.68E-07	2.21E-07	4.89E-07	4.55E-08	3.54E-08	8.08E-08	2.16E-07	1.62E-07	3.78E-07	3.54E-08	3.14E-08	6.68E-08	2.65E-08	1.60E-08	4.25E-08
5047	562654	4235229.62	2.64E-07	2.17E-07	4.81E-07	4.48E-08	3.48E-08	7.96E-08	2.13E-07	1.59E-07	3.72E-07	3.49E-08	3.09E-08	6.58E-08	2.61E-08	1.58E-08	4.18E-08
5048	562647.27	4235222.91	2.60E-07	2.14E-07	4.74E-07	4.41E-08	3.43E-08	7.84E-08	2.10E-07	1.57E-07	3.67E-07	3.44E-08	3.05E-08	6.48E-08	2.57E-08	1.56E-08	4.12E-08
5049	562640.55	4235216.19	2.56E-07	2.11E-07	4.67E-07	4.35E-08	3.38E-08	7.73E-08	2.07E-07	1.55E-07	3.62E-07	3.39E-08	3.00E-08	6.39E-08	2.53E-08	1.53E-08	4.06E-08
5050	562633.82	4235209.48	2.53E-07	2.08E-07	4.61E-07	4.29E-08	3.34E-08	7.62E-08	2.04E-07	1.53E-07	3.57E-07	3.34E-08	2.96E-08	6.30E-08	2.49E-08	1.51E-08	4.01E-08
5051	562627.1	4235202.76	2.49E-07	2.05E-07	4.54E-07	4.23E-08	3.29E-08	7.52E-08	2.01E-07	1.51E-07	3.52E-07	3.29E-08	2.92E-08	6.21E-08	2.46E-08	1.49E-08	3.95E-08
5052	562620.37	4235196.05	2.46E-07	2.02E-07	4.48E-07	4.17E-08	3.25E-08	7.42E-08	1.98E-07	1.49E-07	3.47E-07	3.25E-08	2.88E-08	6.13E-08	2.43E-08	1.47E-08	3.90E-08
5053	562613.65	4235189.34	2.42E-07	2.00E-07	4.42E-07	4.11E-08	3.20E-08	7.32E-08	1.96E-07	1.47E-07	3.42E-07	3.21E-08	2.84E-08	6.05E-08	2.39E-08	1.45E-08	3.85E-08
5054	562606.92	4235182.62	2.39E-07	1.97E-07	4.36E-07	4.06E-08	3.16E-08	7.22E-08	1.93E-07	1.45E-07	3.38E-07	3.16E-08	2.80E-08	5.97E-08	2.36E-08	1.43E-08	3.80E-08
5055	562600.2	4235175.91	2.36E-07	1.95E-07	4.31E-07	4.01E-08	3.12E-08	7.13E-08	1.91E-07	1.43E-07	3.33E-07	3.12E-08	2.77E-08	5.89E-08	2.33E-08	1.41E-08	3.75E-08
5056	562593.48	4235169.19	2.33E-07	1.92E-07	4.25E-07	3.95E-08	3.08E-08	7.03E-08	1.88E-07	1.41E-07	3.29E-07	3.08E-08	2.73E-08	5.81E-08	2.30E-08	1.39E-08	3.70E-08
5057	562586.75	4235162.48	2.30E-07	1.90E-07	4.20E-07	3.90E-08	3.04E-08	6.94E-08	1.86E-07	1.39E-07	3.25E-07	3.04E-08	2.70E-08	5.74E-08	2.27E-08	1.38E-08	3.65E-08
5058	562580.03	4235155.77	2.27E-07	1.87E-07	4.14E-07	3.85E-08	3.00E-08	6.85E-08	1.83E-07	1.37E-07	3.21E-07	3.00E-08	2.66E-08	5.66E-08	2.24E-08	1.36E-08	3.60E-08
5059	562573.3	4235149.05	2.24E-07	1.85E-07	4.09E-07	3.80E-08	2.96E-08	6.76E-08	1.81E-07	1.35E-07	3.16E-07	2.96E-08	2.63E-08	5.59E-08	2.21E-08	1.34E-08	3.56E-08
5060	562566.58	4235142.34	2.21E-07	1.82E-07	4.04E-07	3.76E-08	2.92E-08	6.68E-08	1.79E-07	1.34E-07	3.13E-07	2.93E-08	2.59E-08	5.52E-08	2.19E-08	1.33E-08	3.51E-08
5061	562557.92	4235126.32	2.19E-07	1.80E-07	3.99E-07	3.72E-08	2.89E-08	6.61E-08	1.77E-07	1.32E-07	3.09E-07	2.90E-08	2.57E-08	5.46E-08	2.16E-08	1.31E-08	3.47E-08
5062	562555.99	4235117.01	2.19E-07	1.81E-07	4.00E-07	3.72E-08	2.90E-08	6.62E-08	1.77E-07	1.33E-07	3.10E-07	2.90E-08	2.57E-08	5.47E-08	2.17E-08	1.31E-08	3.48E-08
5063	562554.06	4235107.71	2.20E-07	1.81E-07	4.01E-07	3.73E-08	2.91E-08	6.64E-08	1.78E-07	1.33E-07	3.11E-07	2.91E-08	2.58E-08	5.49E-08	2.17E-08	1.32E-08	3.49E-08
5064	562552.13	4235098.41	2.21E-07	1.82E-07	4.03E-07	3.75E-08	2.92E-08	6.66E-08	1.78E-07	1.33E-07	3.12E-07	2.92E-08	2.59E-08	5.51E-08	2.18E-08	1.32E-08	3.50E-08
5065	562550.2	4235089.1	2.22E-07	1.83E-07	4.05E-07	3.77E-08	2.93E-08	6.70E-08	1.79E-07	1.34E-07	3.13E-07	2.94E-08	2.60E-08	5.54E-08	2.19E-08	1.33E-08	3.52E-08
5066	562548.27	4235079.8	2.23E-07	1.84E-07	4.08E-07	3.79E-08	2.95E-08	6.74E-08	1.80E-07	1.35E-07	3.15E-07	2.95E-08	2.62E-08	5.57E-08	2.21E-08	1.34E-08	3.54E-08
5067	562546.34	4235070.49	2.25E-07	1.86E-07	4.11E-07	3.82E-08	2.98E-08	6.80E-08	1.82E-07	1.36E-07	3.18E-07	2.98E-08	2.64E-08	5.62E-08	2.23E-08	1.35E-08	3.57E-08
5068	562544.41	4235061.19	2.28E-07	1.88E-07	4.15E-07	3.86E-08	3.01E-08	6.87E-08	1.84E-07	1.38E-07	3.21E-07	3.01E-08	2.67E-08	5.68E-08	2.25E-08	1.36E-08	3.61E-08
5069	562542.48	4235051.88	2.30E-07	1.90E-07	4.20E-07	3.91E-08	3.04E-08	6.95E-08	1.86E-07	1.39E-07	3.25E-07	3.05E-08	2.70E-08	5.75E-08	2.28E-08	1.38E-08	3.65E-08
5070	562540.55	4235042.58	2.34E-07	1.93E-07	4.26E-07	3.97E-08	3.09E-08	7.05E-08	1.89E-07	1.41E-07	3.30E-07	3.09E-08	2.74E-08	5.83E-08	2.31E-08	1.40E-08	3.71E-08
5071	562538.62	4235033.28	2.38E-07	1.96E-07	4.34E-07	4.03E-08	3.14E-08	7.17E-08	1.92E-07	1.44E-07	3.36E-07	3.14E-08	2.79E-08	5.93E-08	2.35E-08	1.42E-08	3.77E-08
5072	562536.69	4235023.97	2.42E-07	2.00E-07	4.42E-07	4.11E-08	3.20E-08	7.31E-08	1.96E-07	1.46E-07	3.42E-07	3.21E-08	2.84E-08	6.05E-08	2.39E-08	1.45E-08	3.84E-08
5073	562534.76	4235014.67	2.48E-07	2.04E-07	4.52E-07	4.20E-08	3.27E-08	7.48E-08	2.00E-07	1.50E-07	3.50E-07	3.28E-08	2.90E-08	6.18E-08	2.45E-08	1.48E-08	3.93E-08
5074	562532.83	4235005.36	2.54E-07	2.09E-07	4.63E-07	4.31E-08	3.35E-08	7.66E-08	2.05E-07	1.53E-07	3.58E-07	3.36E-08	2.97E-08	6.33E-08	2.51E-08	1.52E-08	4.03E-08
5075	562530.89	4234996.06	2.61E-07	2.15E-07	4.76E-07	4.42E-08	3.44E-08	7.87E-08	2.11E-07	1.58E-07	3.68E-07	3.45E-08	3.06E-08	6.50E-08	2.58E-08	1.56E-08	4.14E-08
5076	562528.96	4234986.75	2.69E-07	2.21E-07	4.90E-07	4.56E-08	3.55E-08	8.10E-08	2.17E-07	1.62E-07	3.79E-07	3.55E-08	3.15E-08	6.70E-08	2.65E-08	1.61E-08	4.26E-08
5077	562527.03	4234977.45	2.77E-07	2.28E-07	5.05E-07	4.70E-08	3.66E-08	8.36E-08	2.24E-07	1.67E-07	3.91E-07	3.67E-08	3.25E-08	6.91E-08	2.74E-08	1.66E-08	4.40E-08
5078	562525.1	4234968.15	2.87E-07	2.36E-07	5.23E-07	4.86E-08	3.79E-08	8.65E-08	2.31E-07	1.73E-07	4.05E-07	3.79E-08	3.36E-08	7.15E-08	2.83E-08	1.72E-08	4.55E-08
5079	562523.17	4234958.84	2.97E-07	2.45E-07	5.42E-07	5.04E-08	3.93E-08	8.97E-08	2.40E-07	1.80E-07	4.20E-07	3.93E-08	3.48E-08	7.41E-08	2.94E-08	1.78E-08	4.71E-08
5080	562521.24	4234949.54	3.09E-07	2.54E-07	5.63E-07	5.24E-08	4.08E-08	9.32E-08	2.49E-07	1.87E-07	4.36E-07	4.08E-08	3.62E-08	7.70E-08	3.05E-08	1.85E-08	4.90E-08
5081	562519.31	4234940.23	3.21E-07	2.65E-07	5.86E-07	5.45E-08	4.24E-08	9.70E-08	2.59E-07	1.94E-07	4.54E-07	4.25E-08	3.77E-08	8.01E-08	3.17E-08	1.92E-08	5.10E-08
5082	562517.38	4234930.93	3.35E-07	2.76E-07	6.11E-07	5.68E-08	4.42E-08	1.01E-07	2.70E-07	2.02E-07	4.73E-07	4.43E-08	3.93E-08	8.35E-08	3.31E-08	2.00E-08	5.31E-08
5083	562515.45	4234921.62	3.50E-07	2.88E-07	6.38E-07	5.94E-08	4.62E-08	1.06E-07	2.82E-07	2.11E-07	4.94E-07	4.63E-08	4.10E-08	8.72E-08	3.45E-08	2.09E-08	5.55E-08
5084	562513.52	4234912.32	3.66E-07	3.01E-07	6.67E-07	6.21E-08	4.83E-08	1.10E-07	2.95E-07	2.21E-07	5.16E-07	4.84E-08	4.29E-08	9.12E-08	3.61E-08	2.19E-08	5.80E-08
5085	562511.59	4234903.02	3.82E-07	3.15E-07	6.98E-07	6.49E-08	5.05E-08	1.15E-07	3.09E-07	2.31E-07	5.40E-07	5.06E-08	4.48E-08	9.54E-08	3.78E-08	2.29E-08	6.07E-08
5086	562509.66	4234893.71	3.99E-07	3.29E-07	7.27E-07	6.77E-08	5.27E-08	1.20E-07	3.22E-07	2.41E-07	5.63E-07	5.27E-08	4.67E-08	9.95E-08	3.94E-08	2.39E-08	6.33E-08
5087	562507.73	4234884.41	4.16E-07	3.42E-07	7.58E-07	7.05E-08	5.49E-08	1.25E-07	3.36E-07	2.51E-07	5.87E-07	5.50E-08	4.87E-08	1.04E-07	4.11E-08	2.49E-08	6.59E-08
5088	562505.8	4234875.1	4.33E-07	3.57E-07	7.90E-07	7.35E-08	5.72E-08	1.31E-07	3.50E-07	2.62E-07	6.11E-07	5.73E-08	5.07E-08	1.08E-07	4.28E-08	2.59E-08	6.87E-08
5089	562503.87	4234865.8	4.52E-07	3.73E-07	8.25E-07	7.67E-08	5.97E-08	1.36E-07	3.65E-07	2.73E-07	6.39E-07	5.98E-08	5.30E-08	1.13E-07	4.47E-08	2.71E-08	7.17E-08
5090	562501.94	4234856.49	4.73E-07	3.90E-07	8.64E-07	8.03E-08	6.25E-08	1.43E-07	3.82E-07	2.86E-07	6.68E-07	6.26E-08	5.55E-08	1.18E-07	4.68E-08	2.83E-08	7.51E-08
5091	562500.01	4234847.19	4.96E-07	4.09E-07	9.05E-07	8.42E-08	6.55E-08	1.50E-07	4.01E-07	3.00E-07	7.01E-07	6.56E-08	5.82E-08	1.24E-07	4.90E-08	2.97E-08	7.87E-08
5092	562498.08	4234837.88	5.26E-07	4.34E-07	9.60E-07	8.93E-08	6.95E-08	1.59E-07	4.25E-07	3.18E-07	7.43E-07	6.96E-08	6.17E-08	1.31E-07	5.20E-08	3.15E-08	8.35E-08
5093	562496.14	4234828.58	5.59E-07	4.61E-07	1.02E-06	9.49E-08	7.39E-08	1.69E-07	4.52E-07	3.38E-07	7.90E-07	7.40E-08	6.56E-08	1.40E-07	5.53E-08	3.35E-08	8.87E-08
5094	562494.21	4234819.28	5.95E-07	4.90E-07	1.09E-06	1.01E-07	7.86E-08	1.80E-07	4.81E-07	3.60E-07	8.40E-07	7.87E-08	6.97E-08	1.48E-07	5.88E-08	3.56E-08	9.44E-08
5095	562795.21	4235370.61	4.07E-07	3.36E-07	7.43E-07	6.91E-08	5.38E-08	1.23E-07	3.29E-07	2.46E-07	5.75E-07	5.39E-08	4.77E-08	1.02E-07	4.02E-08	2.44E-08	6.46E-08
5096	562803.66	4235375.16	4.18E-07	3.44E-07	7.62E-07	7.09E-08	5.52E-08	1.26E-07	3.38E-07	2.53E-07	5.90E-07	5.53E-08	4.90E-08	1.04E-07	4.13E-08	2.50E-08	6.63E-08
5097	562812.11	4235379.71	4.29E-07	3.53E-07	7.82E-07	7.28E-08	5.66E-08	1.29E-07	3.46E-07	2.59E-07	6.05E-07	5.67E-08	5.02E-08	1.07E-07	4.23E-08	2.57E-08	6.80E-08
5098	562820.56	4235384.26	4.39E-07	3.62E-07	8.01E-07	7.46E-08	5.80E-08	1.33E-07	3.55E-07	2.66E-07	6.20E-07	5.81E-08	5.15E-08	1.10E-07	4.34E-08	2.63E-08	6.97E-08
5099	562829.02	4235388.81	4.50E-07	3.71E-07	8.21E-07	7.64E-08	5.94E-08	1.36E-07	3.63E-07	2.72E-07	6.35E-07	5.95E-08	5.27E-08	1.12E-07	4.45E-08	2.69E-08	7.14E-08
5100	562837.47	4235393.36	4.61E-07	3.80E-07	8.40E-07	7.82E-08	6.09E-08	1.39E-07	3.72E-07	2.78E-07	6.50E-07	6.09E-08	5.40E-08	1.15E-07	4.55E-08	2.76E-08	7.31E-08
5101	562845.92	4235397.91	4.71E-07	3.88E-07	8.60E-07	8.00E-08	6.23E-08	1.42E-07	3.81E-07	2.85E-07	6.65E-07	6.23E-08	5.52E-08	1.18E-07	4.66E-08	2.82E-08	7.48E-08
5102	562854.37	4235402.46	4.82E-07	3.97E-07	8.79E-07	8.18E-08	6.37E-08	1.46E-07	3.89E-07	2.91E-07	6.81E-07	6.38E-08	5.65E-08	1.20E-07	4.76E-08	2.89E-08	7.65E-08
5103	562862.82	4235407.01	4.96E-07	4.09E-07	9.05E-07	8.42E-08	6.55E-08	1.50E-07	4.00E-07	3.00E-07	7.00E-07	6.56E-08	5.81E-08	1.24E-07	4.90E-08	2.97E-08	7.87E-08
5104	562871.27	4235411.56	5.10E-07	4.20E-07	9.30E-07	8.65E-08	6.73E-08	1.54E-07	4.12E-07	3.08E-07	7.20E-07	6.74E-08	5.97E-08	1.27E-07	5.03E-08	3.05E-08	8.09E-08
5105	562879.72	4235416.11	5.24E-07	4.31E-07	9.55E-07	8.89E-08	6.92E-08	1.58E-07	4.23E-07	3.16E-07	7.39E-07	6.93E-08	6.14E-08	1.31E-07	5.17E-08	3.13E-08	8.31E-08
5106	562888.18	4235420.66	5.36E-07	4.42E-07	9.78E-07	9.10E-08	7.08E-08	1.62E-07	4.33E-07	3.24E-07	7.57E-07	7.09E-08	6.28E-08	1.34E-07	5.30E-08	3.21E-08	8.51E-08
5107	562896.63	4235425.21	5.48E-07	4.51E-07	9.99E-07	9.29E-08	7.23E-08	1.65E-07	4.42E-07	3.31E-07	7.73E-07	7.24E-08	6.42E-08	1.37E-07	5.41E-08	3.28E-08	8.69E-08
5108	562905.08	4235429.76	5.59E-07	4.61E-07	1.02E-06	9.49E-08	7.39E-08	1.69E-07	4.52E-07	3.38E-07	7.90E-07	7.40E-08	6.55E-08	1.40E-07	5.52E-08	3.35E-08	8.87E-08
5109	562913.53	4235434.31	5.71E-07	4.71E-07	1.04E-06	9.69E-08	7.54E-08	1.72E-07	4.61E-07	3.45E-07	8.06E-07	7.55E-08	6.69E-08	1.42E-07	5.64E-08	3.42E-08	9.06E-08
5110	562921.98	4235438.86	5.83E-07	4.81E-07	1.06E-06	9.90E-08	7.70E-08	1.76E-07	4.71E-07	3.52E-07	8.23E-07	7.71E-08	6.83E-08	1.45E-07	5.76E-08	3.49E-08	9.25E-08
5111	562930.43	4235443.41	5.95E-07	4.91E-07	1.09E-06	1.01E-07	7.86E-08	1.80E-07	4.81E-07	3.60E-07	8.41E-07	7.87E-08	6.98E-08	1.49E-07	5.88E-08	3.56E-08	9.45E-08

5112	562938.88	4235447.96	6.08E-07	5.01E-07	1.11E-06	1.03E-07	8.03E-08	1.83E-07	4.91E-07	3.67E-07	8.58E-07	8.04E-08	7.12E-08	1.52E-07	6.00E-08	3.64E-08	9.64E-08
5113	562947.34	4235452.51	6.20E-07	5.11E-07	1.13E-06	1.05E-07	8.19E-08	1.87E-07	5.01E-07	3.75E-07	8.76E-07	8.20E-08	7.27E-08	1.55E-07	6.12E-08	3.71E-08	9.84E-08
5114	562955.79	4235457.06	6.32E-07	5.21E-07	1.15E-06	1.07E-07	8.35E-08	1.91E-07	5.11E-07	3.82E-07	8.93E-07	8.36E-08	7.41E-08	1.58E-07	6.25E-08	3.79E-08	1.00E-07
5115	562964.24	4235461.61	6.45E-07	5.31E-07	1.18E-06	1.09E-07	8.51E-08	1.95E-07	5.20E-07	3.90E-07	9.10E-07	8.52E-08	7.55E-08	1.61E-07	6.37E-08	3.86E-08	1.02E-07
5116	562972.69	4235466.15	6.56E-07	5.41E-07	1.20E-06	1.11E-07	8.67E-08	1.98E-07	5.30E-07	3.97E-07	9.27E-07	8.68E-08	7.69E-08	1.64E-07	6.48E-08	3.93E-08	1.04E-07
5117	562769.63	4235399.23	3.68E-07	3.03E-07	6.71E-07	6.24E-08	4.86E-08	1.11E-07	2.97E-07	2.22E-07	5.19E-07	4.87E-08	4.31E-08	9.18E-08	3.63E-08	2.20E-08	5.84E-08
5118	562763.01	4235392.61	3.61E-07	2.97E-07	6.58E-07	6.13E-08	4.77E-08	1.09E-07	2.91E-07	2.18E-07	5.10E-07	4.77E-08	4.23E-08	9.00E-08	3.57E-08	2.16E-08	5.73E-08
5119	562756.39	4235386	3.54E-07	2.92E-07	6.45E-07	6.00E-08	4.67E-08	1.07E-07	2.86E-07	2.14E-07	5.00E-07	4.68E-08	4.15E-08	8.83E-08	3.50E-08	2.12E-08	5.61E-08
5120	562749.77	4235379.39	3.47E-07	2.86E-07	6.32E-07	5.88E-08	4.58E-08	1.05E-07	2.80E-07	2.10E-07	4.89E-07	4.58E-08	4.06E-08	8.65E-08	3.42E-08	2.08E-08	5.50E-08
5121	562743.15	4235372.78	3.39E-07	2.80E-07	6.19E-07	5.76E-08	4.48E-08	1.02E-07	2.74E-07	2.05E-07	4.79E-07	4.49E-08	3.98E-08	8.47E-08	3.35E-08	2.03E-08	5.38E-08
5122	562736.53	4235366.17	3.32E-07	2.74E-07	6.06E-07	5.64E-08	4.39E-08	1.00E-07	2.68E-07	2.01E-07	4.69E-07	4.39E-08	3.89E-08	8.29E-08	3.28E-08	1.99E-08	5.27E-08
5123	562729.91	4235359.56	3.25E-07	2.68E-07	5.93E-07	5.51E-08	4.29E-08	9.81E-08	2.62E-07	1.96E-07	4.59E-07	4.30E-08	3.81E-08	8.10E-08	3.21E-08	1.94E-08	5.15E-08
5124	562723.28	4235352.95	3.18E-07	2.62E-07	5.80E-07	5.39E-08	4.20E-08	9.59E-08	2.57E-07	1.92E-07	4.49E-07	4.20E-08	3.72E-08	7.93E-08	3.14E-08	1.90E-08	5.04E-08
5125	562716.66	4235346.34	3.11E-07	2.56E-07	5.67E-07	5.27E-08	4.10E-08	9.38E-08	2.51E-07	1.88E-07	4.39E-07	4.11E-08	3.64E-08	7.75E-08	3.07E-08	1.86E-08	4.93E-08
5126	562710.04	4235339.73	3.04E-07	2.50E-07	5.54E-07	5.16E-08	4.01E-08	9.17E-08	2.45E-07	1.84E-07	4.29E-07	4.02E-08	3.56E-08	7.58E-08	3.00E-08	1.82E-08	4.82E-08
5127	562703.42	4235333.12	2.97E-07	2.45E-07	5.42E-07	5.05E-08	3.93E-08	8.97E-08	2.40E-07	1.80E-07	4.20E-07	3.93E-08	3.48E-08	7.42E-08	2.94E-08	1.78E-08	4.72E-08
5128	562696.8	4235326.51	2.91E-07	2.40E-07	5.31E-07	4.94E-08	3.84E-08	8.78E-08	2.35E-07	1.76E-07	4.11E-07	3.85E-08	3.41E-08	7.26E-08	2.87E-08	1.74E-08	4.62E-08
5129	562690.18	4235319.9	2.85E-07	2.35E-07	5.20E-07	4.83E-08	3.76E-08	8.60E-08	2.30E-07	1.72E-07	4.02E-07	3.77E-08	3.34E-08	7.11E-08	2.81E-08	1.71E-08	4.52E-08
5130	562683.56	4235313.29	2.79E-07	2.30E-07	5.09E-07	4.74E-08	3.69E-08	8.42E-08	2.25E-07	1.69E-07	3.94E-07	3.69E-08	3.27E-08	6.96E-08	2.76E-08	1.67E-08	4.43E-08
5131	562676.94	4235306.68	2.74E-07	2.25E-07	4.99E-07	4.64E-08	3.61E-08	8.26E-08	2.21E-07	1.65E-07	3.86E-07	3.62E-08	3.21E-08	6.83E-08	2.70E-08	1.64E-08	4.34E-08
5132	562670.32	4235300.07	2.69E-07	2.21E-07	4.90E-07	4.56E-08	3.55E-08	8.10E-08	2.17E-07	1.62E-07	3.79E-07	3.55E-08	3.15E-08	6.70E-08	2.65E-08	1.61E-08	4.26E-08
5133	562663.7	4235293.46	2.64E-07	2.17E-07	4.81E-07	4.47E-08	3.48E-08	7.96E-08	2.13E-07	1.59E-07	3.72E-07	3.49E-08	3.09E-08	6.58E-08	2.60E-08	1.58E-08	4.18E-08
5134	562657.08	4235286.85	2.59E-07	2.13E-07	4.73E-07	4.40E-08	3.42E-08	7.82E-08	2.09E-07	1.57E-07	3.66E-07	3.43E-08	3.04E-08	6.46E-08	2.56E-08	1.55E-08	4.11E-08
5135	562650.46	4235280.24	2.55E-07	2.10E-07	4.65E-07	4.32E-08	3.37E-08	7.69E-08	2.06E-07	1.54E-07	3.60E-07	3.37E-08	2.99E-08	6.36E-08	2.52E-08	1.53E-08	4.04E-08
5136	562643.84	4235273.63	2.51E-07	2.07E-07	4.58E-07	4.26E-08	3.31E-08	7.57E-08	2.03E-07	1.52E-07	3.54E-07	3.32E-08	2.94E-08	6.26E-08	2.48E-08	1.50E-08	3.98E-08
5137	562637.21	4235267.02	2.47E-07	2.04E-07	4.51E-07	4.19E-08	3.26E-08	7.46E-08	2.00E-07	1.49E-07	3.49E-07	3.27E-08	2.90E-08	6.16E-08	2.44E-08	1.48E-08	3.92E-08
5138	562630.59	4235260.41	2.44E-07	2.01E-07	4.44E-07	4.13E-08	3.22E-08	7.35E-08	1.97E-07	1.47E-07	3.44E-07	3.22E-08	2.85E-08	6.08E-08	2.41E-08	1.46E-08	3.86E-08
5139	562623.97	4235253.79	2.40E-07	1.98E-07	4.38E-07	4.08E-08	3.17E-08	7.25E-08	1.94E-07	1.45E-07	3.39E-07	3.18E-08	2.82E-08	5.99E-08	2.37E-08	1.44E-08	3.81E-08
5140	562617.35	4235247.18	2.37E-07	1.95E-07	4.32E-07	4.02E-08	3.13E-08	7.15E-08	1.91E-07	1.43E-07	3.35E-07	3.13E-08	2.78E-08	5.91E-08	2.34E-08	1.42E-08	3.76E-08
5141	562610.73	4235240.57	2.34E-07	1.93E-07	4.27E-07	3.97E-08	3.09E-08	7.06E-08	1.89E-07	1.41E-07	3.30E-07	3.09E-08	2.74E-08	5.84E-08	2.31E-08	1.40E-08	3.71E-08
5142	562604.11	4235233.96	2.31E-07	1.90E-07	4.21E-07	3.92E-08	3.05E-08	6.97E-08	1.87E-07	1.40E-07	3.26E-07	3.06E-08	2.71E-08	5.76E-08	2.28E-08	1.38E-08	3.66E-08
5143	562597.49	4235227.35	2.28E-07	1.88E-07	4.16E-07	3.87E-08	3.01E-08	6.89E-08	1.84E-07	1.38E-07	3.22E-07	3.02E-08	2.67E-08	5.69E-08	2.25E-08	1.37E-08	3.62E-08
5144	562590.87	4235220.74	2.25E-07	1.86E-07	4.11E-07	3.82E-08	2.98E-08	6.80E-08	1.82E-07	1.36E-07	3.18E-07	2.98E-08	2.64E-08	5.62E-08	2.23E-08	1.35E-08	3.57E-08
5145	562584.25	4235214.13	2.23E-07	1.83E-07	4.06E-07	3.78E-08	2.94E-08	6.72E-08	1.80E-07	1.35E-07	3.14E-07	2.94E-08	2.61E-08	5.55E-08	2.20E-08	1.33E-08	3.53E-08
5146	562577.63	4235207.52	2.20E-07	1.81E-07	4.01E-07	3.73E-08	2.90E-08	6.64E-08	1.78E-07	1.33E-07	3.10E-07	2.91E-08	2.58E-08	5.48E-08	2.17E-08	1.32E-08	3.49E-08
5147	562571.01	4235200.91	2.17E-07	1.79E-07	3.96E-07	3.69E-08	2.87E-08	6.55E-08	1.75E-07	1.31E-07	3.07E-07	2.87E-08	2.55E-08	5.42E-08	2.15E-08	1.30E-08	3.45E-08
5148	562564.39	4235194.3	2.15E-07	1.77E-07	3.91E-07	3.64E-08	2.83E-08	6.47E-08	1.73E-07	1.30E-07	3.03E-07	2.84E-08	2.51E-08	5.35E-08	2.12E-08	1.28E-08	3.40E-08
5149	562557.77	4235187.69	2.12E-07	1.75E-07	3.86E-07	3.60E-08	2.80E-08	6.39E-08	1.71E-07	1.28E-07	2.99E-07	2.80E-08	2.48E-08	5.28E-08	2.09E-08	1.27E-08	3.36E-08
5150	562551.14	4235181.08	2.09E-07	1.72E-07	3.82E-07	3.55E-08	2.76E-08	6.32E-08	1.69E-07	1.26E-07	2.95E-07	2.77E-08	2.45E-08	5.22E-08	2.07E-08	1.25E-08	3.32E-08
5151	562544.52	4235174.47	2.07E-07	1.70E-07	3.77E-07	3.51E-08	2.73E-08	6.24E-08	1.67E-07	1.25E-07	2.92E-07	2.73E-08	2.42E-08	5.16E-08	2.04E-08	1.24E-08	3.28E-08
5152	562537.9	4235167.86	2.04E-07	1.68E-07	3.72E-07	3.46E-08	2.70E-08	6.16E-08	1.65E-07	1.23E-07	2.88E-07	2.70E-08	2.39E-08	5.09E-08	2.02E-08	1.22E-08	3.24E-08
5153	562531.28	4235161.25	2.02E-07	1.66E-07	3.68E-07	3.42E-08	2.66E-08	6.09E-08	1.63E-07	1.22E-07	2.85E-07	2.67E-08	2.36E-08	5.03E-08	1.99E-08	1.21E-08	3.20E-08
5154	562522.76	4235145.48	1.99E-07	1.64E-07	3.64E-07	3.38E-08	2.63E-08	6.02E-08	1.61E-07	1.21E-07	2.82E-07	2.64E-08	2.34E-08	4.97E-08	1.97E-08	1.19E-08	3.16E-08
5155	562520.86	4235136.32	2.00E-07	1.64E-07	3.64E-07	3.39E-08	2.64E-08	6.02E-08	1.61E-07	1.21E-07	2.82E-07	2.64E-08	2.34E-08	4.98E-08	1.97E-08	1.20E-08	3.17E-08
5156	562518.96	4235127.16	2.00E-07	1.65E-07	3.65E-07	3.39E-08	2.64E-08	6.04E-08	1.62E-07	1.21E-07	2.82E-07	2.65E-08	2.34E-08	4.99E-08	1.98E-08	1.20E-08	3.17E-08
5157	562517.06	4235117.99	2.01E-07	1.65E-07	3.66E-07	3.40E-08	2.65E-08	6.05E-08	1.62E-07	1.21E-07	2.83E-07	2.65E-08	2.35E-08	5.00E-08	1.98E-08	1.20E-08	3.18E-08
5158	562515.16	4235108.83	2.01E-07	1.66E-07	3.67E-07	3.42E-08	2.66E-08	6.07E-08	1.63E-07	1.22E-07	2.84E-07	2.66E-08	2.36E-08	5.02E-08	1.99E-08	1.20E-08	3.19E-08
5159	562513.26	4235099.67	2.02E-07	1.67E-07	3.69E-07	3.43E-08	2.67E-08	6.10E-08	1.63E-07	1.22E-07	2.86E-07	2.67E-08	2.37E-08	5.05E-08	2.00E-08	1.21E-08	3.21E-08
5160	562511.36	4235090.51	2.04E-07	1.68E-07	3.71E-07	3.45E-08	2.69E-08	6.14E-08	1.64E-07	1.23E-07	2.87E-07	2.69E-08	2.39E-08	5.08E-08	2.01E-08	1.22E-08	3.23E-08
5161	562509.46	4235081.35	2.05E-07	1.69E-07	3.74E-07	3.48E-08	2.71E-08	6.19E-08	1.66E-07	1.24E-07	2.90E-07	2.71E-08	2.40E-08	5.12E-08	2.03E-08	1.23E-08	3.25E-08
5162	562507.55	4235072.19	2.07E-07	1.71E-07	3.78E-07	3.51E-08	2.74E-08	6.25E-08	1.67E-07	1.25E-07	2.92E-07	2.74E-08	2.43E-08	5.17E-08	2.05E-08	1.24E-08	3.29E-08
5163	562505.65	4235063.03	2.10E-07	1.73E-07	3.82E-07	3.56E-08	2.77E-08	6.32E-08	1.69E-07	1.27E-07	2.96E-07	2.77E-08	2.46E-08	5.23E-08	2.07E-08	1.25E-08	3.32E-08
5164	562503.75	4235053.87	2.12E-07	1.75E-07	3.87E-07	3.60E-08	2.81E-08	6.41E-08	1.72E-07	1.28E-07	3.00E-07	2.81E-08	2.49E-08	5.30E-08	2.10E-08	1.27E-08	3.37E-08
5165	562501.85	4235044.71	2.16E-07	1.78E-07	3.94E-07	3.66E-08	2.85E-08	6.51E-08	1.74E-07	1.30E-07	3.05E-07	2.85E-08	2.53E-08	5.38E-08	2.13E-08	1.29E-08	3.42E-08
5166	562499.95	4235035.55	2.20E-07	1.81E-07	4.01E-07	3.73E-08	2.90E-08	6.63E-08	1.77E-07	1.33E-07	3.10E-07	2.91E-08	2.58E-08	5.48E-08	2.17E-08	1.32E-08	3.49E-08
5167	562498.05	4235026.39	2.24E-07	1.85E-07	4.09E-07	3.81E-08	2.96E-08	6.77E-08	1.81E-07	1.36E-07	3.17E-07	2.97E-08	2.63E-08	5.59E-08	2.21E-08	1.34E-08	3.56E-08
5168	562496.15	4235017.23	2.29E-07	1.89E-07	4.18E-07	3.89E-08	3.03E-08	6.92E-08	1.85E-07	1.39E-07	3.24E-07	3.03E-08	2.69E-08	5.72E-08	2.27E-08	1.37E-08	3.64E-08
5169	562494.25	4235008.07	2.35E-07	1.94E-07	4.29E-07	3.99E-08	3.11E-08	7.10E-08	1.90E-07	1.42E-07	3.32E-07	3.11E-08	2.76E-08	5.87E-08	2.32E-08	1.41E-08	3.73E-08
5170	562492.35	4234998.9	2.42E-07	1.99E-07	4.41E-07	4.10E-08	3.19E-08	7.29E-08	1.95E-07	1.46E-07	3.41E-07	3.20E-08	2.83E-08	6.03E-08	2.39E-08	1.45E-08	3.83E-08
5171	562490.45	4234989.74	2.49E-07	2.05E-07	4.54E-07	4.22E-08	3.29E-08	7.51E-08	2.01E-07	1.50E-07	3.51E-07	3.29E-08	2.92E-08	6.21E-08	2.46E-08	1.49E-08	3.95E-08
5172	562488.55	4234980.58	2.57E-07	2.12E-07	4.68E-07	4.36E-08	3.39E-08	7.75E-08	2.07E-07	1.55E-07	3.63E-07	3.40E-08	3.01E-08	6.41E-08	2.54E-08	1.54E-08	4.07E-08
5173	562486.65	4234971.42	2.66E-07	2.19E-07	4.84E-07	4.51E-08	3.51E-08	8.01E-08	2.14E-07	1.60E-07	3.75E-07	3.51E-08	3.11E-08	6.62E-08	2.62E-08	1.59E-08	4.21E-08
5174	562484.75	4234962.26	2.75E-07	2.27E-07	5.02E-07	4.67E-08	3.63E-08	8.30E-08	2.22E-07	1.66E-07	3.88E-07	3.64E-08	3.22E-08	6.86E-08	2.72E-08	1.65E-08	4.36E-08
5175	562482.84	4234953.1	2.85E-07	2.35E-07	5.21E-07	4.84E-08	3.77E-08	8.61E-08	2.30E-07	1.72E-07	4.03E-07	3.77E-08	3.34E-08	7.12E-08	2.82E-08	1.71E-08	4.53E-08
5176	562480.94	4234943.94	2.97E-07	2.44E-07	5.41E-07	5.03E-08	3.92E-08	8.95E-08	2.39E-07	1.79E-07	4.19E-07	3.92E-08	3.48E-08	7.40E-08	2.93E-08	1.78E-08	4.70E-08
5177	562479.04	4234934.78	3.08E-07	2.54E-07	5.63E-07	5.23E-08	4.07E-08	9.31E-08	2.49E-07	1.86E-07	4.35E-07	4.08E-08	3.61E-08	7.69E-08	3.05E-08	1.85E-08	4.89E-08
5178	562477.14	4234925.62	3.20E-07	2.63E-07	5.83E-07	5.42E-08	4.22E-08	9.64E-08	2.58E-07	1.93E-07	4.51E-07	4.23E-08	3.75E-08	7.97E-08	3.16E-08	1.91E-08	5.07E-08
5179	562475.24	4234916.46	3.31E-07	2.73E-07	6.04E-07	5.62E-08	4.37E-08	9.99E-08	2.67E-07	2.00E-07	4.67E-07	4.38E-08	3.88E-08	8.26E-08	3.27E-08	1.98E-08	5.25E-08
5180	562473.34	4234907.3	3.43E-07	2.83E-07	6.25E-07	5.82E-08	4.53E-08	1.03E-07	2.77E-07	2.07E-07	4.84E-07	4.53E-08	4.02E-08	8.55E-08	3.39E-08	2.05E-08	5.44E-08
5181	562471.44	4234898.14	3.57E-07	2.94E-07	6.50E-07	6.05E-08	4.71E-08	1.08E-07	2.88E-07	2.16E-07	5.03E-07	4.72E-08	4.18E-08	8.90E-08	3.52E-08	2.13E-08	5.66E-08
5182	562469.54	4234888.98	3.72E-07	3.06E-07	6.78E-07	6.31E-08	4.91E-08	1.12E-07	3.00E-07	2.25E-07	5.25E-07	4.92E-08	4.36E-08	9.28E-08	3.67E-08	2.23E-08	5.90E-08
5183	562467.64	4234879.81	3.89E-07	3.20E-07	7.09E-07	6.60E-08	5.13E-08	1.17E-07	3.14E-07	2.35E-07	5.49E-07	5.14E-08	4.55E-08	9.69E-08	3.84E-08	2.33E-08	6.17E-08
5184	562465.74	4234870.65	4.10E-07	3.38E-07	7.47E-07	6.95E-08	5.41E-08	1.24E-07	3.31E-07	2.48E-07	5.78E-07	5.42E-08	4.80E-08	1.02E-07	4.05E-08	2.45E-08	6.50E-08
5185	562463.84	4234861.49	4.35E-07	3.58E-07	7.93E-07	7.37E-08	5.74E-08	1.31E-07	3.51E-07	2.63E-07	6.14E-07	5.75E-08	5.09E-08	1.08E-07	4.29E-08	2.60E-08	6.89E-08
5186	562461.94	4234852.33	4.61E-07	3.80E-07	8.41E-07	7.82E-08	6.09E-08	1.39E-07	3.72E-07	2.79E-07	6.51E-07	6.10E-08	5.40E-08	1.15E-07	4.55E-08	2.76E-08	7.31E-08
5187	562460.04	4234843.17	4.87E-07	4.01E-07	8.88E-07	8.26E-08	6.43E-08	1.47E-07	3.93E-07	2.94E-07	6.87E-07	6.44E-08	5.71E-08	1.21E-07	4.81E-08	2.91E-08	7.72E-08
5188	562458.13	4234834.01	5.11E-07	4.21E-07	9.31E-07	8.67E-08	6.75E-08	1.54E-07	4.12E-07	3.09E-07	7.21E-07	6.75E-08	5.98E-08	1.27E-07	5.04E-08	3.06E-08	8.10E-08
5189	562456.23	4234824.85	5.35E-07	4.41E-07	9.76E-07	9.08E-08	7.07E-08	1.62E-07	4.32E-07	3.24E-07	7.56E-07	7.08E-08	6.27E-08	1.34E-07	5.29E-08	3.20E-08	8.49E-08
5190	562454.33	4234815.69	5.61E-07	4.62E-07	1.02E-06	9.52E-08	7.41E-08	1.69E-07	4.53E-07	3.39E-07	7.92E-07	7.42E-08	6.57E-08	1.40E-07	5.54E-08	3.36E-08	8.89E-08
5191	562776.25	4235405.84	3.75E-07	3.09E-07	6.83E-07	6.36E-08	4.95E-08	1.13E-07	3.03E-07	2.26E-07	5.29E-07	4.96E-08	4.39E-08	9.35E-08	3.70E-08	2.24E-08	5.94E-08
5192	562784.7	4235410.39	3.84E-07	3.16E-07	7.00E-07	6.52E-08	5.07E-08	1.16E-07	3.10E-07	2.32E-07	5.42E-07	5.08E-08	4.50E-08	9.58E-08	3.79E-08	2.30E-08	6.09E-08
5193	562793.15	4235414.93	3.93E-07	3.24E-07	7.17E-07	6.67E-08	5.19E-08	1.19E-07	3.18E-07	2.38E-07	5.55E-07	5.20E-08	4.61E-08	9.81E-08	3.88E-08	2.35E-08	6.24E-08
5194	562801.6	4235419.48	4.02E-07	3.32E-07	7.34E-07	6.83E-08	5.32E-08	1.21E-07	3.25E-07	2.43E-07	5.68E-07	5.32E-08	4.72E-08	1.00E-07	3.97E-08	2.41E-08	6.38E-08
5195	562810.06	4235424.03	4.12E-07	3.39E-07	7.51E-07	6.98E-08	5.44E-08	1.24E-07	3.32E-07	2.49E-07	5.81E-07	5.44E-08	4.82E-08	1.03E-07	4.06E-08	2.46E-08	6.53E-08
5196	562818.51	4235428.58	4.21E-07	3.46E-07	7.67E-07	7.14E-08	5.55E-08	1.27E-07	3.40E-07	2.54E-07	5.94E-07	5.56E-08	4.93E-08	1.05E-07	4.15E-08	2.52E-08	6.67E-08
5197	562826.96	4235433.13	4.30E-07	3.54E-07	7.83E-07	7.29E-08	5.67E-08	1.30E-07	3.47E-07	2.60E-07	6.06E-07	5.68E-08	5.03E-08	1.07E-07	4.24E-08	2.57E-08	6.81E-08
5198	562835.41	4235437.68	4.38E-07	3.61E-07	8.00E-07	7.44E-08	5.79E-08	1.32E-07	3.54E-07	2.65E-07	6.19E-07	5.80E-08	5.14E-08	1.09E-07	4.33E-08	2.62E-08	6.95E-08
5199	562843.86	4235442.23	4.47E-07	3.69E-07	8.16E-07	7.59E-08	5.91E-08	1.35E-07	3.61E-07	2.70E-07	6.32E-07	5.92E-08	5.24E-08	1.12E-07	4.42E-08	2.68E-08	7.10E-08
5200	562852.31	4235446.78	4.57E-07	3.76E-07	8.33E-07	7.75E-08	6.03E-08	1.38E-07	3.69E-07	2.76E-07	6.45E-07	6.04E-08	5.35E-08	1.14E-07	4.51E-08	2.73E-08	7.24E-08
5201	562860.76	4235451.33	4.68E-07	3.85E-07	8.53E-07	7.93E-08	6.18E-08	1.41E-07	3.78E-07	2.83E-07	6.60E-07	6.18E-08	5.48E-08	1.17E-07	4.62E-08	2.80E-08	7.42E-08
5202	562869.22	4235455.88	4.78E-07	3.94E-07	8.72E-07	8.12E-08	6.32E-08	1.44E-07	3.86E-07	2.89E-07	6.75E-07	6.32E-08	5.60E-08	1.19E-07	4.72E-08	2.86E-08	7.59E-08
5203	562877.67	4235460.43	4.88E-07	4.02E-07	8.91E-07	8.29E-08	6.45E-08	1.47E-07	3.94E-07	2.95E-07	6.90E-07	6.46E-08	5.72E-08	1.22E-07	4.82E-08	2.92E-08	7.75E-08
5204	562886.12	4235464.98	4.98E-07	4.10E-07	9.09E-07	8.45E-08	6.58E-08	1.50E-07	4.02E-07	3.01E-07	7.03E-07	6.59E-08	5.84E-08	1.24E-07	4.92E-08	2.98E-08	7.90E-08

5205	562894.57	4235469.53	5.09E-07	4.19E-07	9.28E-07	8.64E-08	6.72E-08	1.54E-07	4.11E-07	3.08E-07	7.18E-07	6.73E-08	5.96E-08	1.27E-07	5.03E-08	3.05E-08	8.07E-08
5206	562903.02	4235474.08	5.21E-07	4.29E-07	9.49E-07	8.83E-08	6.87E-08	1.57E-07	4.20E-07	3.15E-07	7.35E-07	6.88E-08	6.10E-08	1.30E-07	5.14E-08	3.12E-08	8.26E-08
5207	562911.47	4235478.63	5.33E-07	4.39E-07	9.72E-07	9.05E-08	7.04E-08	1.61E-07	4.31E-07	3.22E-07	7.53E-07	7.05E-08	6.25E-08	1.33E-07	5.27E-08	3.19E-08	8.46E-08
5208	562919.92	4235483.18	5.44E-07	4.48E-07	9.93E-07	9.24E-08	7.19E-08	1.64E-07	4.39E-07	3.29E-07	7.68E-07	7.20E-08	6.38E-08	1.36E-07	5.38E-08	3.26E-08	8.63E-08
5209	562928.38	4235487.73	5.55E-07	4.57E-07	1.01E-06	9.42E-08	7.33E-08	1.67E-07	4.48E-07	3.35E-07	7.83E-07	7.34E-08	6.50E-08	1.38E-07	5.48E-08	3.32E-08	8.80E-08
5210	562936.83	4235492.28	5.66E-07	4.66E-07	1.03E-06	9.60E-08	7.47E-08	1.71E-07	4.57E-07	3.42E-07	7.98E-07	7.48E-08	6.63E-08	1.41E-07	5.59E-08	3.38E-08	8.97E-08
5211	562945.28	4235496.83	5.76E-07	4.75E-07	1.05E-06	9.78E-08	7.61E-08	1.74E-07	4.65E-07	3.48E-07	8.13E-07	7.62E-08	6.75E-08	1.44E-07	5.69E-08	3.45E-08	9.14E-08
5212	562953.73	4235501.38	5.87E-07	4.83E-07	1.07E-06	9.95E-08	7.75E-08	1.77E-07	4.74E-07	3.55E-07	8.28E-07	7.76E-08	6.87E-08	1.46E-07	5.79E-08	3.51E-08	9.30E-08
5213	562750.6	4235434.37	3.40E-07	2.80E-07	6.21E-07	5.78E-08	4.50E-08	1.03E-07	2.75E-07	2.06E-07	4.81E-07	4.50E-08	3.99E-08	8.49E-08	3.36E-08	2.04E-08	5.40E-08
5214	562743.9	4235427.69	3.34E-07	2.75E-07	6.10E-07	5.67E-08	4.41E-08	1.01E-07	2.70E-07	2.02E-07	4.72E-07	4.42E-08	3.92E-08	8.34E-08	3.30E-08	2.00E-08	5.30E-08
5215	562737.2	4235421	3.28E-07	2.70E-07	5.98E-07	5.56E-08	4.33E-08	9.89E-08	2.65E-07	1.98E-07	4.63E-07	4.34E-08	3.84E-08	8.18E-08	3.24E-08	1.96E-08	5.20E-08
5216	562730.51	4235414.32	3.21E-07	2.65E-07	5.86E-07	5.45E-08	4.25E-08	9.70E-08	2.60E-07	1.94E-07	4.54E-07	4.25E-08	3.77E-08	8.02E-08	3.17E-08	1.92E-08	5.10E-08
5217	562723.81	4235407.63	3.15E-07	2.59E-07	5.74E-07	5.34E-08	4.16E-08	9.50E-08	2.54E-07	1.90E-07	4.45E-07	4.16E-08	3.69E-08	7.85E-08	3.11E-08	1.88E-08	4.99E-08
5218	562717.12	4235400.95	3.08E-07	2.54E-07	5.62E-07	5.23E-08	4.07E-08	9.30E-08	2.49E-07	1.86E-07	4.35E-07	4.08E-08	3.61E-08	7.69E-08	3.05E-08	1.85E-08	4.89E-08
5219	562710.42	4235394.26	3.02E-07	2.49E-07	5.50E-07	5.12E-08	3.99E-08	9.11E-08	2.44E-07	1.82E-07	4.26E-07	3.99E-08	3.54E-08	7.53E-08	2.98E-08	1.81E-08	4.79E-08
5220	562703.73	4235387.58	2.95E-07	2.43E-07	5.39E-07	5.01E-08	3.90E-08	8.91E-08	2.38E-07	1.78E-07	4.17E-07	3.91E-08	3.46E-08	7.37E-08	2.92E-08	1.77E-08	4.68E-08
5221	562697.03	4235380.89	2.89E-07	2.38E-07	5.27E-07	4.90E-08	3.82E-08	8.72E-08	2.33E-07	1.75E-07	4.08E-07	3.82E-08	3.39E-08	7.21E-08	2.85E-08	1.73E-08	4.58E-08
5222	562690.34	4235374.21	2.83E-07	2.33E-07	5.16E-07	4.80E-08	3.73E-08	8.53E-08	2.28E-07	1.71E-07	3.99E-07	3.74E-08	3.31E-08	7.05E-08	2.79E-08	1.69E-08	4.48E-08
5223	562683.64	4235367.52	2.77E-07	2.28E-07	5.04E-07	4.69E-08	3.65E-08	8.35E-08	2.23E-07	1.67E-07	3.90E-07	3.66E-08	3.24E-08	6.90E-08	2.73E-08	1.66E-08	4.39E-08
5224	562676.94	4235360.84	2.71E-07	2.23E-07	4.94E-07	4.59E-08	3.58E-08	8.17E-08	2.19E-07	1.64E-07	3.82E-07	3.58E-08	3.17E-08	6.75E-08	2.67E-08	1.62E-08	4.29E-08
5225	562670.25	4235354.15	2.65E-07	2.18E-07	4.84E-07	4.50E-08	3.50E-08	8.00E-08	2.14E-07	1.60E-07	3.74E-07	3.51E-08	3.11E-08	6.61E-08	2.62E-08	1.59E-08	4.21E-08
5226	562663.55	4235347.47	2.60E-07	2.14E-07	4.74E-07	4.41E-08	3.43E-08	7.84E-08	2.10E-07	1.57E-07	3.67E-07	3.44E-08	3.04E-08	6.48E-08	2.57E-08	1.55E-08	4.12E-08
5227	562656.86	4235340.78	2.55E-07	2.10E-07	4.65E-07	4.32E-08	3.36E-08	7.69E-08	2.06E-07	1.54E-07	3.60E-07	3.37E-08	2.98E-08	6.35E-08	2.52E-08	1.52E-08	4.04E-08
5228	562650.16	4235334.09	2.50E-07	2.06E-07	4.56E-07	4.24E-08	3.30E-08	7.54E-08	2.02E-07	1.51E-07	3.53E-07	3.31E-08	2.93E-08	6.23E-08	2.47E-08	1.50E-08	3.96E-08
5229	562643.47	4235327.41	2.45E-07	2.02E-07	4.48E-07	4.16E-08	3.24E-08	7.41E-08	1.98E-07	1.48E-07	3.47E-07	3.25E-08	2.88E-08	6.12E-08	2.42E-08	1.47E-08	3.89E-08
5230	562636.77	4235320.72	2.41E-07	1.99E-07	4.40E-07	4.09E-08	3.19E-08	7.28E-08	1.95E-07	1.46E-07	3.41E-07	3.19E-08	2.83E-08	6.02E-08	2.38E-08	1.44E-08	3.83E-08
5231	562630.08	4235314.04	2.37E-07	1.96E-07	4.33E-07	4.03E-08	3.13E-08	7.16E-08	1.92E-07	1.43E-07	3.35E-07	3.14E-08	2.78E-08	5.92E-08	2.34E-08	1.42E-08	3.76E-08
5232	562623.38	4235307.35	2.34E-07	1.92E-07	4.26E-07	3.96E-08	3.09E-08	7.05E-08	1.89E-07	1.41E-07	3.30E-07	3.09E-08	2.74E-08	5.83E-08	2.31E-08	1.40E-08	3.71E-08
5233	562616.68	4235300.67	2.30E-07	1.90E-07	4.20E-07	3.91E-08	3.04E-08	6.95E-08	1.86E-07	1.39E-07	3.25E-07	3.04E-08	2.70E-08	5.74E-08	2.27E-08	1.38E-08	3.65E-08
5234	562609.99	4235293.98	2.27E-07	1.87E-07	4.14E-07	3.85E-08	3.00E-08	6.85E-08	1.83E-07	1.37E-07	3.20E-07	3.00E-08	2.66E-08	5.66E-08	2.24E-08	1.36E-08	3.60E-08
5235	562603.29	4235287.3	2.24E-07	1.85E-07	4.08E-07	3.80E-08	2.96E-08	6.76E-08	1.81E-07	1.35E-07	3.16E-07	2.96E-08	2.62E-08	5.59E-08	2.21E-08	1.34E-08	3.55E-08
5236	562596.6	4235280.61	2.21E-07	1.82E-07	4.03E-07	3.75E-08	2.92E-08	6.67E-08	1.79E-07	1.34E-07	3.12E-07	2.92E-08	2.59E-08	5.51E-08	2.18E-08	1.32E-08	3.51E-08
5237	562589.9	4235273.93	2.18E-07	1.80E-07	3.98E-07	3.71E-08	2.88E-08	6.59E-08	1.76E-07	1.32E-07	3.08E-07	2.89E-08	2.56E-08	5.45E-08	2.16E-08	1.31E-08	3.46E-08
5238	562583.21	4235267.24	2.16E-07	1.78E-07	3.93E-07	3.66E-08	2.85E-08	6.51E-08	1.74E-07	1.30E-07	3.04E-07	2.85E-08	2.53E-08	5.38E-08	2.13E-08	1.29E-08	3.42E-08
5239	562576.51	4235260.56	2.12E-07	1.74E-07	3.86E-07	3.59E-08	2.79E-08	6.39E-08	1.71E-07	1.28E-07	2.99E-07	2.80E-08	2.48E-08	5.28E-08	2.09E-08	1.27E-08	3.36E-08
5240	562569.82	4235253.87	2.09E-07	1.72E-07	3.80E-07	3.54E-08	2.75E-08	6.29E-08	1.68E-07	1.26E-07	2.94E-07	2.76E-08	2.44E-08	5.20E-08	2.06E-08	1.25E-08	3.31E-08
5241	562563.12	4235247.19	2.06E-07	1.70E-07	3.76E-07	3.50E-08	2.72E-08	6.23E-08	1.67E-07	1.25E-07	2.91E-07	2.73E-08	2.42E-08	5.15E-08	2.04E-08	1.23E-08	3.27E-08
5242	562556.43	4235240.5	2.05E-07	1.69E-07	3.74E-07	3.48E-08	2.71E-08	6.18E-08	1.65E-07	1.24E-07	2.89E-07	2.71E-08	2.40E-08	5.11E-08	2.02E-08	1.23E-08	3.25E-08
5243	562549.73	4235233.82	2.03E-07	1.67E-07	3.70E-07	3.44E-08	2.68E-08	6.11E-08	1.64E-07	1.22E-07	2.86E-07	2.68E-08	2.37E-08	5.05E-08	2.00E-08	1.21E-08	3.21E-08
5244	562543.03	4235227.13	1.99E-07	1.64E-07	3.63E-07	3.38E-08	2.63E-08	6.01E-08	1.61E-07	1.20E-07	2.81E-07	2.64E-08	2.34E-08	4.97E-08	1.97E-08	1.19E-08	3.16E-08
5245	562536.34	4235220.45	1.97E-07	1.62E-07	3.59E-07	3.34E-08	2.60E-08	5.94E-08	1.59E-07	1.19E-07	2.78E-07	2.60E-08	2.31E-08	4.91E-08	1.94E-08	1.18E-08	3.12E-08
5246	562529.64	4235213.76	1.95E-07	1.61E-07	3.56E-07	3.31E-08	2.57E-08	5.88E-08	1.57E-07	1.18E-07	2.75E-07	2.58E-08	2.28E-08	4.86E-08	1.93E-08	1.17E-08	3.09E-08
5247	562522.95	4235207.08	1.94E-07	1.60E-07	3.53E-07	3.29E-08	2.56E-08	5.85E-08	1.56E-07	1.17E-07	2.73E-07	2.56E-08	2.27E-08	4.83E-08	1.91E-08	1.16E-08	3.07E-08
5248	562516.25	4235200.39	1.90E-07	1.57E-07	3.47E-07	3.23E-08	2.51E-08	5.74E-08	1.54E-07	1.15E-07	2.69E-07	2.52E-08	2.23E-08	4.75E-08	1.88E-08	1.14E-08	3.02E-08
5249	562509.56	4235193.71	1.87E-07	1.54E-07	3.42E-07	3.18E-08	2.48E-08	5.66E-08	1.51E-07	1.13E-07	2.65E-07	2.48E-08	2.20E-08	4.68E-08	1.85E-08	1.12E-08	2.97E-08
5250	562502.86	4235187.02	1.85E-07	1.53E-07	3.38E-07	3.15E-08	2.45E-08	5.59E-08	1.50E-07	1.12E-07	2.62E-07	2.45E-08	2.17E-08	4.62E-08	1.83E-08	1.11E-08	2.94E-08
5251	562496.17	4235180.34	1.84E-07	1.52E-07	3.36E-07	3.12E-08	2.43E-08	5.55E-08	1.49E-07	1.11E-07	2.60E-07	2.43E-08	2.16E-08	4.59E-08	1.82E-08	1.10E-08	2.92E-08
5252	562487.55	4235164.39	1.82E-07	1.50E-07	3.32E-07	3.09E-08	2.40E-08	5.49E-08	1.47E-07	1.10E-07	2.57E-07	2.40E-08	2.13E-08	4.54E-08	1.80E-08	1.09E-08	2.88E-08
5253	562485.63	4235155.12	1.82E-07	1.50E-07	3.32E-07	3.09E-08	2.41E-08	5.50E-08	1.47E-07	1.10E-07	2.57E-07	2.41E-08	2.14E-08	4.54E-08	1.80E-08	1.09E-08	2.89E-08
5254	562483.7	4235145.86	1.83E-07	1.51E-07	3.34E-07	3.10E-08	2.42E-08	5.52E-08	1.48E-07	1.11E-07	2.58E-07	2.42E-08	2.14E-08	4.56E-08	1.81E-08	1.09E-08	2.90E-08
5255	562481.78	4235136.6	1.83E-07	1.51E-07	3.34E-07	3.11E-08	2.42E-08	5.53E-08	1.48E-07	1.11E-07	2.59E-07	2.42E-08	2.15E-08	4.57E-08	1.81E-08	1.10E-08	2.91E-08
5256	562479.86	4235127.33	1.84E-07	1.51E-07	3.35E-07	3.12E-08	2.43E-08	5.54E-08	1.48E-07	1.11E-07	2.59E-07	2.43E-08	2.15E-08	4.58E-08	1.81E-08	1.10E-08	2.91E-08
5257	562477.94	4235118.07	1.84E-07	1.52E-07	3.36E-07	3.13E-08	2.44E-08	5.57E-08	1.49E-07	1.11E-07	2.60E-07	2.44E-08	2.16E-08	4.60E-08	1.82E-08	1.10E-08	2.93E-08
5258	562476.01	4235108.8	1.85E-07	1.53E-07	3.38E-07	3.15E-08	2.45E-08	5.59E-08	1.50E-07	1.12E-07	2.62E-07	2.45E-08	2.17E-08	4.62E-08	1.83E-08	1.11E-08	2.94E-08
5259	562474.09	4235099.54	1.87E-07	1.54E-07	3.40E-07	3.17E-08	2.46E-08	5.63E-08	1.51E-07	1.13E-07	2.63E-07	2.47E-08	2.19E-08	4.65E-08	1.84E-08	1.12E-08	2.96E-08
5260	562472.17	4235090.27	1.88E-07	1.55E-07	3.43E-07	3.19E-08	2.48E-08	5.68E-08	1.52E-07	1.14E-07	2.66E-07	2.49E-08	2.20E-08	4.69E-08	1.86E-08	1.13E-08	2.98E-08
5261	562470.25	4235081.01	1.90E-07	1.56E-07	3.46E-07	3.22E-08	2.51E-08	5.73E-08	1.53E-07	1.15E-07	2.68E-07	2.51E-08	2.23E-08	4.74E-08	1.88E-08	1.14E-08	3.01E-08
5262	562468.33	4235071.75	1.92E-07	1.58E-07	3.51E-07	3.26E-08	2.54E-08	5.80E-08	1.55E-07	1.16E-07	2.71E-07	2.54E-08	2.25E-08	4.79E-08	1.90E-08	1.15E-08	3.05E-08
5263	562466.4	4235062.48	1.95E-07	1.61E-07	3.55E-07	3.31E-08	2.57E-08	5.88E-08	1.57E-07	1.18E-07	2.75E-07	2.58E-08	2.28E-08	4.86E-08	1.92E-08	1.17E-08	3.09E-08
5264	562464.48	4235053.22	1.98E-07	1.63E-07	3.61E-07	3.36E-08	2.62E-08	5.97E-08	1.60E-07	1.20E-07	2.80E-07	2.62E-08	2.32E-08	4.94E-08	1.96E-08	1.19E-08	3.14E-08
5265	562462.56	4235043.95	2.02E-07	1.66E-07	3.68E-07	3.42E-08	2.66E-08	6.08E-08	1.63E-07	1.22E-07	2.85E-07	2.67E-08	2.36E-08	5.03E-08	1.99E-08	1.21E-08	3.20E-08
5266	562460.64	4235034.69	2.06E-07	1.70E-07	3.75E-07	3.49E-08	2.72E-08	6.21E-08	1.66E-07	1.24E-07	2.91E-07	2.72E-08	2.41E-08	5.13E-08	2.03E-08	1.23E-08	3.26E-08
5267	562458.71	4235025.43	2.10E-07	1.73E-07	3.84E-07	3.57E-08	2.78E-08	6.35E-08	1.70E-07	1.27E-07	2.97E-07	2.78E-08	2.47E-08	5.25E-08	2.08E-08	1.26E-08	3.34E-08
5268	562456.79	4235016.16	2.16E-07	1.78E-07	3.94E-07	3.66E-08	2.85E-08	6.51E-08	1.74E-07	1.30E-07	3.05E-07	2.85E-08	2.53E-08	5.38E-08	2.13E-08	1.29E-08	3.42E-08
5269	562454.87	4235006.9	2.22E-07	1.83E-07	4.04E-07	3.76E-08	2.93E-08	6.69E-08	1.79E-07	1.34E-07	3.13E-07	2.93E-08	2.60E-08	5.53E-08	2.19E-08	1.33E-08	3.52E-08
5270	562452.95	4234997.63	2.28E-07	1.88E-07	4.16E-07	3.87E-08	3.01E-08	6.89E-08	1.84E-07	1.38E-07	3.22E-07	3.02E-08	2.67E-08	5.69E-08	2.25E-08	1.37E-08	3.62E-08
5271	562451.03	4234988.37	2.35E-07	1.94E-07	4.29E-07	3.99E-08	3.11E-08	7.10E-08	1.90E-07	1.42E-07	3.32E-07	3.11E-08	2.76E-08	5.87E-08	2.32E-08	1.41E-08	3.73E-08
5272	562449.1	4234979.1	2.43E-07	2.00E-07	4.44E-07	4.13E-08	3.21E-08	7.34E-08	1.96E-07	1.47E-07	3.43E-07	3.22E-08	2.85E-08	6.07E-08	2.40E-08	1.46E-08	3.86E-08
5273	562447.18	4234969.84	2.52E-07	2.07E-07	4.59E-07	4.27E-08	3.32E-08	7.60E-08	2.03E-07	1.52E-07	3.55E-07	3.33E-08	2.95E-08	6.28E-08	2.49E-08	1.51E-08	3.99E-08
5274	562445.26	4234960.58	2.60E-07	2.14E-07	4.74E-07	4.41E-08	3.43E-08	7.85E-08	2.10E-07	1.57E-07	3.67E-07	3.44E-08	3.05E-08	6.49E-08	2.57E-08	1.56E-08	4.12E-08
5275	562443.34	4234951.31	2.68E-07	2.21E-07	4.89E-07	4.55E-08	3.54E-08	8.09E-08	2.16E-07	1.62E-07	3.78E-07	3.54E-08	3.14E-08	6.69E-08	2.65E-08	1.60E-08	4.25E-08
5276	562441.41	4234942.05	2.76E-07	2.28E-07	5.04E-07	4.69E-08	3.65E-08	8.33E-08	2.23E-07	1.67E-07	3.90E-07	3.65E-08	3.24E-08	6.89E-08	2.73E-08	1.65E-08	4.38E-08
5277	562439.49	4234932.78	2.85E-07	2.35E-07	5.20E-07	4.84E-08	3.77E-08	8.61E-08	2.30E-07	1.72E-07	4.03E-07	3.77E-08	3.34E-08	7.12E-08	2.82E-08	1.71E-08	4.53E-08
5278	562437.57	4234923.52	2.96E-07	2.44E-07	5.41E-07	5.03E-08	3.91E-08	8.94E-08	2.39E-07	1.79E-07	4.18E-07	3.92E-08	3.47E-08	7.39E-08	2.93E-08	1.77E-08	4.70E-08
5279	562435.65	4234914.25	3.09E-07	2.54E-07	5.63E-07	5.24E-08	4.08E-08	9.31E-08	2.49E-07	1.87E-07	4.36E-07	4.08E-08	3.62E-08	7.70E-08	3.05E-08	1.85E-08	4.90E-08
5280	562433.73	4234904.99	3.23E-07	2.66E-07	5.88E-07	5.47E-08	4.26E-08	9.73E-08	2.60E-07	1.95E-07	4.55E-07	4.27E-08	3.78E-08	8.05E-08	3.19E-08	1.93E-08	5.12E-08
5281	562431.8	4234895.73	3.41E-07	2.81E-07	6.22E-07	5.79E-08	4.51E-08	1.03E-07	2.75E-07	2.06E-07	4.82E-07	4.51E-08	4.00E-08	8.51E-08	3.37E-08	2.04E-08	5.41E-08
5282	562429.88	4234886.46	3.61E-07	2.97E-07	6.58E-07	6.12E-08	4.76E-08	1.09E-07	2.91E-07	2.18E-07	5.09E-07	4.77E-08	4.23E-08	9.00E-08	3.56E-08	2.16E-08	5.72E-08
5283	562427.96	4234877.2	3.81E-07	3.14E-07	6.95E-07	6.46E-08	5.03E-08	1.15E-07	3.08E-07	2.30E-07	5.38E-07	5.04E-08	4.46E-08	9.50E-08	3.76E-08	2.28E-08	6.04E-08
5284	562426.04	4234867.93	3.99E-07	3.29E-07	7.28E-07	6.78E-08	5.28E-08	1.21E-07	3.22E-07	2.41E-07	5.64E-07	5.28E-08	4.68E-08	9.96E-08	3.94E-08	2.39E-08	6.34E-08
5285	562424.11	4234858.67	4.18E-07	3.45E-07	7.63E-07	7.10E-08	5.53E-08	1.26E-07	3.38E-07	2.53E-07	5.91E-07	5.53E-08	4.90E-08	1.04E-07	4.13E-08	2.50E-08	6.64E-08
5286	562422.19	4234849.41	4.38E-07	3.61E-07	8.00E-07	7.44E-08	5.79E-08	1.32E-07	3.54E-07	2.65E-07	6.19E-07	5.80E-08	5.14E-08	1.09E-07	4.33E-08	2.62E-08	6.95E-08
5287	562420.27	4234840.14	4.59E-07	3.78E-07	8.38E-07	7.79E-08	6.07E-08	1.39E-07	3.71E-07	2.78E-07	6.49E-07	6.08E-08	5.38E-08	1.15E-07	4.54E-08	2.75E-08	7.29E-08
5288	562418.35	4234830.88	4.81E-07	3.96E-07	8.78E-07	8.16E-08	6.36E-08	1.45E-07	3.89E-07	2.91E-07	6.79E-07	6.36E-08	5.64E-08	1.20E-07	4.75E-08	2.88E-08	7.63E-08
5289	562416.43	4234821.61	5.04E-07	4.15E-07	9.19E-07	8.55E-08	6.65E-08	1.52E-07	4.07E-07	3.04E-07	7.11E-07	6.66E-08	5.90E-08	1.26E-07	4.98E-08	3.02E-08	7.99E-08
5290	562414.5	4234812.35	5.27E-07	4.34E-07	9.61E-07	8.94E-08	6.96E-08	1.59E-07	4.26E-07	3.19E-07	7.44E-07	6.97E-08	6.18E-08	1.31E-07	5.20E-08	3.15E-08	8.36E-08
5291	562757.29	4235441.06	3.46E-07	2.85E-07	6.32E-07	5.88E-08	4.58E-08	1.05E-07	2.80E-07	2.09E-07	4.89E-07	4.58E-08	4.06E-08	8.64E-08	3.42E-08	2.07E-08	5.49E-08
5292	562765.74	4235445.61	3.55E-07	2.92E-07	6.47E-07	6.02E-08	4.68E-08	1.07E-07	2.86E-07	2.14E-07	5.00E-07	4.69E-08	4.15E-08	8.84E-08	3.50E-08	2.12E-08	5.62E-08
5293	562774.19	4235450.16	3.63E-07	2.99E-07	6.61E-07	6.15E-08	4.79E-08	1.09E-07	2.93E-07	2.19E-07	5.12E-07	4.79E-08	4.25E-08	9.04E-08	3.58E-08	2.17E-08	5.75E-08
5294	562782.64	4235454.71	3.70E-07	3.05E-07	6.76E-07	6.28E-08	4.89E-08	1.12E-07	2.99E-07	2.24E-07	5.23E-07	4.90E-08	4.34E-08	9.24E-08	3.66E-08	2.22E-08	5.88E-08
5295	562791.1	4235459.25	3.78E-07	3.12E-07	6.90E-07	6.42E-08	5.00E-08	1.14E-07	3.05E-07	2.29E-07	5.34E-07	5.00E-08	4.43E-08	9.43E-08	3.74E-08	2.26E-08	6.00E-08
5296	562799.55	4235463.8	3.86E-07	3.18E-07	7.04E-07	6.55E-08	5.10E-08	1.16E-07	3.12E-07	2.33E-07	5.45E-07	5.10E-08	4.52E-08	9.63E-08	3.81E-08	2.31E-08	6.12E-08
5297	562808	4235468.35	3.94E-07	3.24E-07	7.18E-07	6.68E-08	5.20E-08	1.19E-07	3.18E-07	2.38E-07	5.56E-07	5.20E-08	4.61E-08	9.82E-08	3.89E-08	2.36E-08	6.24E-08

5298	562816.45	4235472.9	4.01E-07	3.31E-07	7.32E-07	6.81E-08	5.30E-08	1.21E-07	3.24E-07	2.42E-07	5.66E-07	5.31E-08	4.70E-08	1.00E-07	3.96E-08	2.40E-08	6.36E-08
5299	562824.9	4235477.45	4.09E-07	3.37E-07	7.46E-07	6.94E-08	5.40E-08	1.23E-07	3.30E-07	2.47E-07	5.77E-07	5.41E-08	4.79E-08	1.02E-07	4.04E-08	2.45E-08	6.48E-08
5300	562833.35	4235482	4.16E-07	3.43E-07	7.59E-07	7.07E-08	5.50E-08	1.26E-07	3.36E-07	2.52E-07	5.88E-07	5.51E-08	4.88E-08	1.04E-07	4.11E-08	2.49E-08	6.61E-08
5301	562841.8	4235486.55	4.24E-07	3.49E-07	7.74E-07	7.20E-08	5.60E-08	1.28E-07	3.42E-07	2.56E-07	5.99E-07	5.61E-08	4.97E-08	1.06E-07	4.19E-08	2.54E-08	6.73E-08
5302	562850.26	4235491.1	4.32E-07	3.56E-07	7.88E-07	7.33E-08	5.71E-08	1.30E-07	3.49E-07	2.61E-07	6.10E-07	5.71E-08	5.06E-08	1.08E-07	4.27E-08	2.59E-08	6.85E-08
5303	562858.71	4235495.65	4.40E-07	3.62E-07	8.02E-07	7.46E-08	5.81E-08	1.33E-07	3.55E-07	2.66E-07	6.21E-07	5.82E-08	5.16E-08	1.10E-07	4.34E-08	2.63E-08	6.98E-08
5304	562867.16	4235500.2	4.48E-07	3.69E-07	8.17E-07	7.60E-08	5.92E-08	1.35E-07	3.62E-07	2.71E-07	6.33E-07	5.93E-08	5.25E-08	1.12E-07	4.43E-08	2.68E-08	7.11E-08
5305	562875.61	4235504.75	4.56E-07	3.76E-07	8.33E-07	7.75E-08	6.03E-08	1.38E-07	3.69E-07	2.76E-07	6.44E-07	6.04E-08	5.35E-08	1.14E-07	4.51E-08	2.73E-08	7.24E-08
5306	562884.06	4235509.3	4.65E-07	3.83E-07	8.48E-07	7.89E-08	6.14E-08	1.40E-07	3.76E-07	2.81E-07	6.57E-07	6.15E-08	5.45E-08	1.16E-07	4.59E-08	2.78E-08	7.38E-08
5307	562892.51	4235513.85	4.76E-07	3.92E-07	8.67E-07	8.07E-08	6.28E-08	1.44E-07	3.84E-07	2.87E-07	6.71E-07	6.29E-08	5.57E-08	1.19E-07	4.70E-08	2.85E-08	7.54E-08
5308	562900.96	4235518.4	4.86E-07	4.00E-07	8.86E-07	8.24E-08	6.41E-08	1.47E-07	3.92E-07	2.93E-07	6.85E-07	6.42E-08	5.69E-08	1.21E-07	4.80E-08	2.91E-08	7.70E-08
5309	562909.42	4235522.95	4.95E-07	4.08E-07	9.03E-07	8.40E-08	6.54E-08	1.49E-07	4.00E-07	2.99E-07	6.99E-07	6.55E-08	5.80E-08	1.23E-07	4.89E-08	2.96E-08	7.85E-08
5310	562917.87	4235527.5	5.03E-07	4.15E-07	9.18E-07	8.54E-08	6.65E-08	1.52E-07	4.07E-07	3.04E-07	7.11E-07	6.66E-08	5.90E-08	1.26E-07	4.97E-08	3.01E-08	7.99E-08
5311	562926.32	4235532.05	5.12E-07	4.21E-07	9.33E-07	8.68E-08	6.76E-08	1.54E-07	4.13E-07	3.09E-07	7.22E-07	6.76E-08	5.99E-08	1.28E-07	5.05E-08	3.06E-08	8.11E-08
5312	562934.77	4235536.6	5.20E-07	4.28E-07	9.48E-07	8.82E-08	6.86E-08	1.57E-07	4.20E-07	3.14E-07	7.34E-07	6.87E-08	6.09E-08	1.30E-07	5.13E-08	3.11E-08	8.24E-08
5313	562731.57	4235469.53	3.16E-07	2.60E-07	5.77E-07	5.36E-08	4.18E-08	9.54E-08	2.55E-07	1.91E-07	4.46E-07	4.18E-08	3.70E-08	7.89E-08	3.12E-08	1.89E-08	5.01E-08
5314	562724.8	4235462.77	3.11E-07	2.56E-07	5.67E-07	5.27E-08	4.10E-08	9.37E-08	2.51E-07	1.88E-07	4.39E-07	4.11E-08	3.64E-08	7.75E-08	3.07E-08	1.86E-08	4.93E-08
5315	562718.04	4235456.02	3.05E-07	2.51E-07	5.56E-07	5.17E-08	4.03E-08	9.20E-08	2.46E-07	1.84E-07	4.31E-07	4.03E-08	3.57E-08	7.61E-08	3.01E-08	1.83E-08	4.84E-08
5316	562711.28	4235449.27	2.99E-07	2.46E-07	5.46E-07	5.08E-08	3.95E-08	9.03E-08	2.42E-07	1.81E-07	4.22E-07	3.96E-08	3.51E-08	7.46E-08	2.95E-08	1.79E-08	4.74E-08
5317	562704.51	4235442.51	2.93E-07	2.42E-07	5.35E-07	4.98E-08	3.87E-08	8.85E-08	2.37E-07	1.77E-07	4.14E-07	3.88E-08	3.44E-08	7.31E-08	2.90E-08	1.76E-08	4.65E-08
5318	562697.75	4235435.76	2.87E-07	2.37E-07	5.24E-07	4.88E-08	3.79E-08	8.67E-08	2.32E-07	1.74E-07	4.06E-07	3.80E-08	3.37E-08	7.17E-08	2.84E-08	1.72E-08	4.56E-08
5319	562690.99	4235429.01	2.81E-07	2.32E-07	5.13E-07	4.77E-08	3.72E-08	8.49E-08	2.27E-07	1.70E-07	3.97E-07	3.72E-08	3.30E-08	7.02E-08	2.78E-08	1.68E-08	4.46E-08
5320	562684.23	4235422.26	2.75E-07	2.27E-07	5.02E-07	4.67E-08	3.64E-08	8.31E-08	2.22E-07	1.66E-07	3.89E-07	3.64E-08	3.23E-08	6.87E-08	2.72E-08	1.65E-08	4.37E-08
5321	562677.46	4235415.5	2.70E-07	2.22E-07	4.92E-07	4.57E-08	3.56E-08	8.14E-08	2.18E-07	1.63E-07	3.81E-07	3.57E-08	3.16E-08	6.72E-08	2.66E-08	1.61E-08	4.28E-08
5322	562670.7	4235408.75	2.63E-07	2.17E-07	4.80E-07	4.46E-08	3.47E-08	7.94E-08	2.12E-07	1.59E-07	3.71E-07	3.48E-08	3.08E-08	6.56E-08	2.60E-08	1.57E-08	4.17E-08
5323	562663.94	4235402	2.57E-07	2.11E-07	4.68E-07	4.35E-08	3.39E-08	7.74E-08	2.07E-07	1.55E-07	3.62E-07	3.39E-08	3.01E-08	6.40E-08	2.53E-08	1.54E-08	4.07E-08
5324	562657.17	4235395.25	2.51E-07	2.07E-07	4.58E-07	4.26E-08	3.32E-08	7.58E-08	2.03E-07	1.52E-07	3.55E-07	3.32E-08	2.94E-08	6.27E-08	2.48E-08	1.50E-08	3.98E-08
5325	562650.41	4235388.49	2.47E-07	2.04E-07	4.51E-07	4.19E-08	3.26E-08	7.45E-08	1.99E-07	1.49E-07	3.49E-07	3.27E-08	2.90E-08	6.16E-08	2.44E-08	1.48E-08	3.92E-08
5326	562643.65	4235381.74	2.43E-07	2.00E-07	4.43E-07	4.12E-08	3.21E-08	7.32E-08	1.96E-07	1.47E-07	3.43E-07	3.21E-08	2.84E-08	6.05E-08	2.40E-08	1.45E-08	3.85E-08
5327	562636.88	4235374.99	2.37E-07	1.95E-07	4.32E-07	4.02E-08	3.13E-08	7.14E-08	1.91E-07	1.43E-07	3.34E-07	3.13E-08	2.77E-08	5.90E-08	2.34E-08	1.42E-08	3.75E-08
5328	562630.12	4235368.24	2.32E-07	1.91E-07	4.23E-07	3.93E-08	3.06E-08	7.00E-08	1.87E-07	1.40E-07	3.27E-07	3.07E-08	2.72E-08	5.78E-08	2.29E-08	1.39E-08	3.68E-08
5329	562623.36	4235361.48	2.28E-07	1.88E-07	4.16E-07	3.87E-08	3.01E-08	6.89E-08	1.84E-07	1.38E-07	3.22E-07	3.02E-08	2.67E-08	5.69E-08	2.25E-08	1.37E-08	3.62E-08
5330	562616.59	4235354.73	2.25E-07	1.86E-07	4.11E-07	3.82E-08	2.98E-08	6.80E-08	1.82E-07	1.36E-07	3.18E-07	2.98E-08	2.64E-08	5.62E-08	2.23E-08	1.35E-08	3.57E-08
5331	562609.83	4235347.98	2.21E-07	1.82E-07	4.02E-07	3.74E-08	2.91E-08	6.66E-08	1.78E-07	1.33E-07	3.12E-07	2.92E-08	2.59E-08	5.50E-08	2.18E-08	1.32E-08	3.50E-08
5332	562603.07	4235341.22	2.15E-07	1.77E-07	3.93E-07	3.66E-08	2.85E-08	6.50E-08	1.74E-07	1.30E-07	3.04E-07	2.85E-08	2.52E-08	5.37E-08	2.13E-08	1.29E-08	3.42E-08
5333	562596.3	4235334.47	2.10E-07	1.73E-07	3.84E-07	3.57E-08	2.78E-08	6.35E-08	1.70E-07	1.27E-07	2.97E-07	2.78E-08	2.47E-08	5.25E-08	2.08E-08	1.26E-08	3.34E-08
5334	562589.54	4235327.72	2.06E-07	1.70E-07	3.75E-07	3.49E-08	2.72E-08	6.21E-08	1.66E-07	1.24E-07	2.91E-07	2.72E-08	2.41E-08	5.13E-08	2.03E-08	1.23E-08	3.26E-08
5335	562582.78	4235320.97	2.03E-07	1.67E-07	3.70E-07	3.44E-08	2.68E-08	6.12E-08	1.64E-07	1.23E-07	2.86E-07	2.68E-08	2.38E-08	5.06E-08	2.00E-08	1.21E-08	3.22E-08
5336	562576.02	4235314.21	2.01E-07	1.66E-07	3.67E-07	3.42E-08	2.66E-08	6.08E-08	1.63E-07	1.22E-07	2.84E-07	2.66E-08	2.36E-08	5.02E-08	1.99E-08	1.21E-08	3.19E-08
5337	562569.25	4235307.46	1.99E-07	1.64E-07	3.63E-07	3.38E-08	2.63E-08	6.01E-08	1.61E-07	1.20E-07	2.81E-07	2.63E-08	2.33E-08	4.97E-08	1.97E-08	1.19E-08	3.16E-08
5338	562562.49	4235300.71	1.96E-07	1.62E-07	3.58E-07	3.33E-08	2.59E-08	5.93E-08	1.59E-07	1.19E-07	2.77E-07	2.60E-08	2.30E-08	4.90E-08	1.94E-08	1.18E-08	3.11E-08
5339	562555.73	4235293.96	1.93E-07	1.59E-07	3.52E-07	3.27E-08	2.55E-08	5.82E-08	1.56E-07	1.17E-07	2.72E-07	2.55E-08	2.26E-08	4.81E-08	1.90E-08	1.15E-08	3.06E-08
5340	562548.96	4235287.2	1.90E-07	1.57E-07	3.47E-07	3.23E-08	2.51E-08	5.74E-08	1.54E-07	1.15E-07	2.69E-07	2.52E-08	2.23E-08	4.75E-08	1.88E-08	1.14E-08	3.02E-08
5341	562542.2	4235280.45	1.88E-07	1.55E-07	3.43E-07	3.19E-08	2.49E-08	5.68E-08	1.52E-07	1.14E-07	2.66E-07	2.49E-08	2.21E-08	4.69E-08	1.86E-08	1.13E-08	2.98E-08
5342	562535.44	4235273.7	1.86E-07	1.53E-07	3.40E-07	3.16E-08	2.46E-08	5.62E-08	1.50E-07	1.13E-07	2.63E-07	2.46E-08	2.18E-08	4.64E-08	1.84E-08	1.11E-08	2.95E-08
5343	562528.67	4235266.95	1.84E-07	1.52E-07	3.36E-07	3.12E-08	2.43E-08	5.56E-08	1.49E-07	1.11E-07	2.60E-07	2.44E-08	2.16E-08	4.59E-08	1.82E-08	1.10E-08	2.92E-08
5344	562521.91	4235260.19	1.82E-07	1.50E-07	3.33E-07	3.10E-08	2.41E-08	5.51E-08	1.47E-07	1.10E-07	2.58E-07	2.41E-08	2.14E-08	4.55E-08	1.80E-08	1.09E-08	2.89E-08
5345	562515.15	4235253.44	1.81E-07	1.49E-07	3.31E-07	3.08E-08	2.39E-08	5.47E-08	1.46E-07	1.10E-07	2.56E-07	2.40E-08	2.12E-08	4.52E-08	1.79E-08	1.09E-08	2.88E-08
5346	562508.38	4235246.69	1.79E-07	1.48E-07	3.27E-07	3.04E-08	2.37E-08	5.41E-08	1.45E-07	1.08E-07	2.53E-07	2.37E-08	2.10E-08	4.47E-08	1.77E-08	1.07E-08	2.84E-08
5347	562501.62	4235239.94	1.77E-07	1.46E-07	3.22E-07	3.00E-08	2.33E-08	5.33E-08	1.43E-07	1.07E-07	2.49E-07	2.34E-08	2.07E-08	4.41E-08	1.75E-08	1.06E-08	2.80E-08
5348	562494.86	4235233.18	1.74E-07	1.43E-07	3.18E-07	2.95E-08	2.30E-08	5.25E-08	1.41E-07	1.05E-07	2.46E-07	2.30E-08	2.04E-08	4.34E-08	1.72E-08	1.04E-08	2.76E-08
5349	562488.09	4235226.43	1.73E-07	1.42E-07	3.15E-07	2.93E-08	2.28E-08	5.22E-08	1.40E-07	1.04E-07	2.44E-07	2.29E-08	2.03E-08	4.31E-08	1.71E-08	1.03E-08	2.74E-08
5350	562481.33	4235219.68	1.71E-07	1.41E-07	3.12E-07	2.90E-08	2.26E-08	5.17E-08	1.38E-07	1.03E-07	2.42E-07	2.26E-08	2.01E-08	4.27E-08	1.69E-08	1.02E-08	2.72E-08
5351	562474.57	4235212.92	1.69E-07	1.39E-07	3.08E-07	2.87E-08	2.23E-08	5.10E-08	1.36E-07	1.02E-07	2.38E-07	2.23E-08	1.98E-08	4.21E-08	1.67E-08	1.01E-08	2.68E-08
5352	562467.81	4235206.17	1.66E-07	1.37E-07	3.03E-07	2.82E-08	2.19E-08	5.01E-08	1.34E-07	1.00E-07	2.34E-07	2.20E-08	1.95E-08	4.14E-08	1.64E-08	9.94E-09	2.63E-08
5353	562461.04	4235199.42	1.64E-07	1.35E-07	3.00E-07	2.79E-08	2.17E-08	4.96E-08	1.33E-07	9.94E-08	2.32E-07	2.17E-08	1.93E-08	4.10E-08	1.62E-08	9.84E-09	2.61E-08
5354	562452.34	4235183.31	1.63E-07	1.34E-07	2.97E-07	2.76E-08	2.15E-08	4.91E-08	1.31E-07	9.83E-08	2.30E-07	2.15E-08	1.91E-08	4.06E-08	1.61E-08	9.73E-09	2.58E-08
5355	562450.4	4235173.95	1.62E-07	1.34E-07	2.96E-07	2.75E-08	2.14E-08	4.90E-08	1.31E-07	9.81E-08	2.29E-07	2.15E-08	1.90E-08	4.05E-08	1.60E-08	9.71E-09	2.57E-08
5356	562448.45	4235164.59	1.63E-07	1.34E-07	2.98E-07	2.77E-08	2.16E-08	4.93E-08	1.32E-07	9.86E-08	2.30E-07	2.16E-08	1.91E-08	4.07E-08	1.61E-08	9.77E-09	2.59E-08
5357	562446.51	4235155.24	1.64E-07	1.35E-07	2.99E-07	2.78E-08	2.17E-08	4.95E-08	1.32E-07	9.92E-08	2.32E-07	2.17E-08	1.92E-08	4.09E-08	1.62E-08	9.82E-09	2.60E-08
5358	562444.57	4235145.88	1.65E-07	1.36E-07	3.01E-07	2.80E-08	2.18E-08	4.97E-08	1.33E-07	9.96E-08	2.33E-07	2.18E-08	1.93E-08	4.11E-08	1.63E-08	9.86E-09	2.61E-08
5359	562442.63	4235136.52	1.65E-07	1.36E-07	3.01E-07	2.80E-08	2.18E-08	4.98E-08	1.33E-07	9.96E-08	2.33E-07	2.18E-08	1.93E-08	4.11E-08	1.63E-08	9.87E-09	2.62E-08
5360	562440.69	4235127.16	1.65E-07	1.36E-07	3.01E-07	2.80E-08	2.18E-08	4.98E-08	1.33E-07	9.98E-08	2.33E-07	2.18E-08	1.94E-08	4.12E-08	1.63E-08	9.89E-09	2.62E-08
5361	562438.75	4235117.8	1.66E-07	1.37E-07	3.02E-07	2.81E-08	2.19E-08	5.00E-08	1.34E-07	1.00E-07	2.34E-07	2.19E-08	1.94E-08	4.13E-08	1.64E-08	9.92E-09	2.63E-08
5362	562436.8	4235108.45	1.66E-07	1.37E-07	3.04E-07	2.82E-08	2.20E-08	5.02E-08	1.34E-07	1.01E-07	2.35E-07	2.20E-08	1.95E-08	4.15E-08	1.64E-08	9.96E-09	2.64E-08
5363	562434.86	4235099.09	1.67E-07	1.38E-07	3.05E-07	2.84E-08	2.21E-08	5.05E-08	1.35E-07	1.01E-07	2.36E-07	2.21E-08	1.96E-08	4.18E-08	1.65E-08	1.00E-08	2.66E-08
5364	562432.92	4235089.73	1.69E-07	1.39E-07	3.08E-07	2.87E-08	2.23E-08	5.10E-08	1.36E-07	1.02E-07	2.39E-07	2.24E-08	1.98E-08	4.22E-08	1.67E-08	1.01E-08	2.68E-08
5365	562430.98	4235080.37	1.72E-07	1.42E-07	3.14E-07	2.92E-08	2.27E-08	5.20E-08	1.39E-07	1.04E-07	2.43E-07	2.28E-08	2.02E-08	4.30E-08	1.70E-08	1.03E-08	2.73E-08
5366	562429.04	4235071.02	1.76E-07	1.45E-07	3.21E-07	2.99E-08	2.33E-08	5.32E-08	1.42E-07	1.06E-07	2.49E-07	2.33E-08	2.07E-08	4.40E-08	1.74E-08	1.05E-08	2.80E-08
5367	562427.1	4235061.66	1.80E-07	1.49E-07	3.29E-07	3.06E-08	2.38E-08	5.44E-08	1.46E-07	1.09E-07	2.55E-07	2.39E-08	2.11E-08	4.50E-08	1.78E-08	1.08E-08	2.86E-08
5368	562425.15	4235052.3	1.84E-07	1.52E-07	3.36E-07	3.13E-08	2.43E-08	5.56E-08	1.49E-07	1.11E-07	2.60E-07	2.44E-08	2.16E-08	4.59E-08	1.82E-08	1.10E-08	2.92E-08
5369	562423.21	4235042.94	1.88E-07	1.55E-07	3.42E-07	3.18E-08	2.48E-08	5.66E-08	1.51E-07	1.13E-07	2.65E-07	2.48E-08	2.20E-08	4.68E-08	1.85E-08	1.12E-08	2.98E-08
5370	562421.27	4235033.58	1.92E-07	1.58E-07	3.49E-07	3.25E-08	2.53E-08	5.78E-08	1.55E-07	1.16E-07	2.70E-07	2.53E-08	2.24E-08	4.78E-08	1.89E-08	1.15E-08	3.04E-08
5371	562419.33	4235024.23	1.96E-07	1.61E-07	3.57E-07	3.32E-08	2.59E-08	5.91E-08	1.58E-07	1.18E-07	2.77E-07	2.59E-08	2.30E-08	4.89E-08	1.93E-08	1.17E-08	3.11E-08
5372	562417.39	4235014.87	2.01E-07	1.65E-07	3.66E-07	3.41E-08	2.65E-08	6.06E-08	1.62E-07	1.21E-07	2.84E-07	2.66E-08	2.35E-08	5.01E-08	1.98E-08	1.20E-08	3.19E-08
5373	562415.45	4235005.51	2.06E-07	1.70E-07	3.76E-07	3.50E-08	2.72E-08	6.22E-08	1.67E-07	1.25E-07	2.91E-07	2.73E-08	2.42E-08	5.14E-08	2.04E-08	1.23E-08	3.27E-08
5374	562413.5	4234996.15	2.12E-07	1.75E-07	3.87E-07	3.60E-08	2.80E-08	6.40E-08	1.71E-07	1.28E-07	3.00E-07	2.81E-08	2.49E-08	5.29E-08	2.10E-08	1.27E-08	3.37E-08
5375	562411.56	4234986.8	2.20E-07	1.82E-07	4.02E-07	3.74E-08	2.91E-08	6.65E-08	1.78E-07	1.33E-07	3.11E-07	2.91E-08	2.58E-08	5.50E-08	2.18E-08	1.32E-08	3.49E-08
5376	562409.62	4234977.44	2.29E-07	1.89E-07	4.18E-07	3.89E-08	3.03E-08	6.92E-08	1.85E-07	1.39E-07	3.24E-07	3.03E-08	2.69E-08	5.72E-08	2.27E-08	1.37E-08	3.64E-08
5377	562407.68	4234968.08	2.39E-07	1.97E-07	4.37E-07	4.06E-08	3.16E-08	7.22E-08	1.93E-07	1.45E-07	3.38E-07	3.17E-08	2.81E-08	5.97E-08	2.36E-08	1.43E-08	3.80E-08
5378	562405.74	4234958.72	2.49E-07	2.05E-07	4.53E-07	4.22E-08	3.28E-08	7.50E-08	2.01E-07	1.50E-07	3.51E-07	3.29E-08	2.91E-08	6.20E-08	2.46E-08	1.49E-08	3.94E-08
5379	562403.8	4234949.36	2.58E-07	2.13E-07	4.71E-07	4.38E-08	3.41E-08	7.80E-08	2.09E-07	1.56E-07	3.65E-07	3.42E-08	3.03E-08	6.44E-08	2.55E-08	1.55E-08	4.10E-08
5380	562401.85	4234940.01	2.69E-07	2.21E-07	4.90E-07	4.56E-08	3.55E-08	8.11E-08	2.17E-07	1.62E-07	3.79E-07	3.55E-08	3.15E-08	6.70E-08	2.65E-08	1.61E-08	4.26E-08
5381	562399.91	4234930.65	2.80E-07	2.30E-07	5.10E-07	4.75E-08	3.69E-08	8.44E-08	2.26E-07	1.69E-07	3.95E-07	3.70E-08	3.28E-08	6.98E-08	2.76E-08	1.67E-08	4.44E-08
5382	562397.97	4234921.29	2.91E-07	2.40E-07	5.32E-07	4.95E-08	3.85E-08	8.79E-08	2.35E-07	1.76E-07	4.11E-07	3.85E-08	3.42E-08	7.27E-08	2.88E-08	1.74E-08	4.62E-08
5383	562396.03	4234911.93	3.04E-07	2.50E-07	5.54E-07	5.16E-08	4.01E-08	9.17E-08	2.45E-07	1.84E-07	4.29E-07	4.02E-08	3.56E-08	7.58E-08	3.00E-08	1.82E-08	4.82E-08
5384	562394.09	4234902.58	3.17E-07	2.61E-07	5.79E-07	5.38E-08	4.19E-08	9.58E-08	2.56E-07	1.92E-07	4.48E-07	4.20E-08	3.72E-08	7.92E-08	3.13E-08	1.90E-08	5.03E-08
5385	562392.15	4234893.22	3.32E-07	2.73E-07	6.05E-07	5.62E-08	4.38E-08	1.00E-07	2.68E-07	2.00E-07	4.68E-07	4.38E-08	3.88E-08	8.27E-08	3.27E-08	1.98E-08	5.26E-08
5386	562390.2	4234883.86	3.47E-07	2.85E-07	6.32E-07	5.88E-08	4.58E-08	1.05E-07	2.80E-07	2.09E-07	4.89E-07	4.58E-08	4.06E-08	8.64E-08	3.42E-08	2.07E-08	5.50E-08
5387	562388.26	4234874.5	3.62E-07	2.99E-07	6.61E-07	6.15E-08	4.79E-08	1.09E-07	2.93E-07	2.19E-07	5.12E-07	4.79E-08	4.25E-08	9.04E-08	3.58E-08	2.17E-08	5.75E-08
5388	562386.32	4234865.14	3.79E-07	3.12E-07	6.92E-07	6.43E-08	5.01E-08	1.14E-07	3.06E-07	2.29E-07	5.35E-07	5.01E-08	4.44E-08	9.46E-08	3.74E-08	2.27E-08	6.01E-08
5389	562384.38	4234855.79	3.97E-07	3.27E-07	7.24E-07	6.73E-08	5.24E-08	1.20E-07	3.20E-07	2.40E-07	5.60E-07	5.25E-08	4.65E-08	9.90E-08	3.92E-08	2.38E-08	6.29E-08
5390	562382.44	4234846.43	4.15E-07	3.42E-07	7.57E-07	7.05E-08	5.49E-08	1.25E-07	3.35E-07	2.51E-07	5.86E-07	5.49E-08	4.87E-08	1.04E-07	4.10E-08	2.49E-08	6.59E-08

5391	562380.5	4234837.07	4.35E-07	3.58E-07	7.93E-07	7.37E-08	5.74E-08	1.31E-07	3.51E-07	2.63E-07	6.14E-07	5.75E-08	5.09E-08	1.08E-07	4.29E-08	2.60E-08	6.89E-08
5392	562378.55	4234827.71	4.55E-07	3.75E-07	8.29E-07	7.71E-08	6.00E-08	1.37E-07	3.67E-07	2.75E-07	6.42E-07	6.01E-08	5.33E-08	1.13E-07	4.49E-08	2.72E-08	7.21E-08
5393	562376.61	4234818.36	4.75E-07	3.92E-07	8.67E-07	8.07E-08	6.28E-08	1.43E-07	3.84E-07	2.87E-07	6.71E-07	6.29E-08	5.57E-08	1.19E-07	4.69E-08	2.85E-08	7.54E-08
5394	562374.67	4234809	4.97E-07	4.09E-07	9.06E-07	8.43E-08	6.56E-08	1.50E-07	4.01E-07	3.00E-07	7.01E-07	6.57E-08	5.82E-08	1.24E-07	4.91E-08	2.97E-08	7.88E-08
5395	562738.33	4235476.28	3.21E-07	2.65E-07	5.86E-07	5.45E-08	4.25E-08	9.70E-08	2.60E-07	1.94E-07	4.54E-07	4.25E-08	3.77E-08	8.02E-08	3.17E-08	1.92E-08	5.10E-08
5396	562746.78	4235480.83	3.29E-07	2.71E-07	5.99E-07	5.58E-08	4.34E-08	9.91E-08	2.65E-07	1.99E-07	4.64E-07	4.35E-08	3.85E-08	8.20E-08	3.24E-08	1.97E-08	5.21E-08
5397	562755.23	4235485.38	3.36E-07	2.76E-07	6.12E-07	5.69E-08	4.43E-08	1.01E-07	2.71E-07	2.03E-07	4.74E-07	4.44E-08	3.93E-08	8.37E-08	3.31E-08	2.01E-08	5.32E-08
5398	562763.68	4235489.93	3.42E-07	2.82E-07	6.25E-07	5.81E-08	4.52E-08	1.03E-07	2.76E-07	2.07E-07	4.83E-07	4.53E-08	4.01E-08	8.54E-08	3.38E-08	2.05E-08	5.43E-08
5399	562772.14	4235494.48	3.49E-07	2.88E-07	6.37E-07	5.93E-08	4.61E-08	1.05E-07	2.82E-07	2.11E-07	4.93E-07	4.62E-08	4.09E-08	8.71E-08	3.45E-08	2.09E-08	5.54E-08
5400	562780.59	4235499.03	3.56E-07	2.93E-07	6.49E-07	6.04E-08	4.70E-08	1.07E-07	2.87E-07	2.15E-07	5.02E-07	4.71E-08	4.17E-08	8.88E-08	3.51E-08	2.13E-08	5.64E-08
5401	562789.04	4235503.57	3.62E-07	2.99E-07	6.61E-07	6.15E-08	4.79E-08	1.09E-07	2.93E-07	2.19E-07	5.12E-07	4.79E-08	4.25E-08	9.04E-08	3.58E-08	2.17E-08	5.75E-08
5402	562797.49	4235508.12	3.69E-07	3.04E-07	6.73E-07	6.26E-08	4.87E-08	1.11E-07	2.98E-07	2.23E-07	5.21E-07	4.88E-08	4.32E-08	9.20E-08	3.64E-08	2.21E-08	5.85E-08
5403	562805.94	4235512.67	3.75E-07	3.09E-07	6.85E-07	6.37E-08	4.96E-08	1.13E-07	3.03E-07	2.27E-07	5.30E-07	4.96E-08	4.40E-08	9.36E-08	3.71E-08	2.25E-08	5.95E-08
5404	562814.39	4235517.22	3.82E-07	3.15E-07	6.97E-07	6.48E-08	5.04E-08	1.15E-07	3.08E-07	2.31E-07	5.39E-07	5.05E-08	4.48E-08	9.53E-08	3.77E-08	2.29E-08	6.06E-08
5405	562822.84	4235521.77	3.88E-07	3.20E-07	7.08E-07	6.59E-08	5.13E-08	1.17E-07	3.14E-07	2.35E-07	5.48E-07	5.14E-08	4.55E-08	9.69E-08	3.84E-08	2.32E-08	6.16E-08
5406	562831.3	4235526.32	3.95E-07	3.25E-07	7.21E-07	6.70E-08	5.22E-08	1.19E-07	3.19E-07	2.39E-07	5.58E-07	5.22E-08	4.63E-08	9.85E-08	3.90E-08	2.36E-08	6.27E-08
5407	562839.75	4235530.87	4.02E-07	3.31E-07	7.33E-07	6.82E-08	5.31E-08	1.21E-07	3.24E-07	2.43E-07	5.67E-07	5.31E-08	4.71E-08	1.00E-07	3.97E-08	2.41E-08	6.37E-08
5408	562848.2	4235535.42	4.09E-07	3.37E-07	7.45E-07	6.93E-08	5.40E-08	1.23E-07	3.30E-07	2.47E-07	5.77E-07	5.40E-08	4.79E-08	1.02E-07	4.04E-08	2.45E-08	6.48E-08
5409	562856.65	4235539.97	4.16E-07	3.43E-07	7.58E-07	7.05E-08	5.49E-08	1.25E-07	3.36E-07	2.51E-07	5.87E-07	5.50E-08	4.87E-08	1.04E-07	4.11E-08	2.49E-08	6.59E-08
5410	562865.1	4235544.52	4.23E-07	3.49E-07	7.72E-07	7.18E-08	5.59E-08	1.28E-07	3.42E-07	2.56E-07	5.97E-07	5.59E-08	4.96E-08	1.06E-07	4.18E-08	2.53E-08	6.71E-08
5411	562873.55	4235549.07	4.30E-07	3.55E-07	7.85E-07	7.30E-08	5.69E-08	1.30E-07	3.48E-07	2.60E-07	6.08E-07	5.69E-08	5.04E-08	1.07E-07	4.25E-08	2.58E-08	6.83E-08
5412	562882	4235553.62	4.38E-07	3.61E-07	7.99E-07	7.43E-08	5.79E-08	1.32E-07	3.54E-07	2.65E-07	6.19E-07	5.79E-08	5.13E-08	1.09E-07	4.33E-08	2.62E-08	6.95E-08
5413	562890.46	4235558.17	4.46E-07	3.67E-07	8.13E-07	7.57E-08	5.89E-08	1.35E-07	3.60E-07	2.70E-07	6.30E-07	5.90E-08	5.23E-08	1.11E-07	4.40E-08	2.67E-08	7.07E-08
5414	562898.91	4235562.72	4.54E-07	3.74E-07	8.28E-07	7.70E-08	6.00E-08	1.37E-07	3.67E-07	2.74E-07	6.41E-07	6.00E-08	5.32E-08	1.13E-07	4.48E-08	2.72E-08	7.20E-08
5415	562907.36	4235567.27	4.62E-07	3.81E-07	8.43E-07	7.84E-08	6.10E-08	1.39E-07	3.73E-07	2.79E-07	6.52E-07	6.11E-08	5.41E-08	1.15E-07	4.56E-08	2.77E-08	7.33E-08
5416	562915.81	4235571.82	4.70E-07	3.87E-07	8.58E-07	7.98E-08	6.21E-08	1.42E-07	3.80E-07	2.84E-07	6.64E-07	6.22E-08	5.51E-08	1.17E-07	4.64E-08	2.81E-08	7.46E-08
5417	563257.01	4234972.2	5.85E-06	4.82E-06	1.07E-05	9.92E-07	7.72E-07	1.76E-06	4.72E-06	3.53E-06	8.25E-06	7.73E-07	6.85E-07	1.46E-06	5.77E-07	3.50E-07	9.27E-07
5418	563263.07	4234979.98	5.23E-06	4.31E-06	9.53E-06	8.87E-07	6.90E-07	1.58E-06	4.22E-06	3.16E-06	7.38E-06	6.91E-07	6.13E-07	1.30E-06	5.16E-07	3.13E-07	8.29E-07
5419	563246.47	4234984.42	5.98E-06	4.93E-06	1.09E-05	1.02E-06	7.90E-07	1.81E-06	4.83E-06	3.62E-06	8.45E-06	7.91E-07	7.01E-07	1.49E-06	5.91E-07	3.58E-07	9.49E-07
5420	563271.17	4234974.77	4.95E-06	4.08E-06	9.03E-06	8.40E-07	6.54E-07	1.49E-06	4.00E-06	2.99E-06	6.99E-06	6.55E-07	5.80E-07	1.23E-06	4.89E-07	2.96E-07	7.85E-07
5421	563269.31	4234987.69	4.70E-06	3.87E-06	8.57E-06	7.97E-07	6.20E-07	1.42E-06	3.79E-06	2.84E-06	6.63E-06	6.21E-07	5.50E-07	1.17E-06	4.64E-07	2.81E-07	7.45E-07
5422	563260.61	4234991.45	4.99E-06	4.11E-06	9.10E-06	8.47E-07	6.59E-07	1.51E-06	4.03E-06	3.02E-06	7.05E-06	6.60E-07	5.85E-07	1.24E-06	4.93E-07	2.99E-07	7.92E-07
5423	563247.26	4234994.31	5.53E-06	4.56E-06	1.01E-05	9.39E-07	7.31E-07	1.67E-06	4.47E-06	3.34E-06	7.81E-06	7.31E-07	6.48E-07	1.38E-06	5.46E-07	3.31E-07	8.77E-07
5424	563237.95	4234992.49	6.08E-06	5.01E-06	1.11E-05	1.03E-06	8.03E-07	1.83E-06	4.91E-06	3.67E-06	8.58E-06	8.04E-07	7.12E-07	1.52E-06	6.00E-07	3.64E-07	9.64E-07
5425	563275.64	4234995.35	4.24E-06	3.50E-06	7.74E-06	7.20E-07	5.61E-07	1.28E-06	3.43E-06	2.57E-06	5.99E-06	5.61E-07	4.97E-07	1.06E-06	4.19E-07	2.54E-07	6.73E-07
5426	563266.58	4234999.28	4.51E-06	3.72E-06	8.22E-06	7.65E-07	5.96E-07	1.36E-06	3.64E-06	2.73E-06	6.37E-06	5.96E-07	5.28E-07	1.12E-06	4.45E-07	2.70E-07	7.15E-07
5427	563257.52	4235003.2	4.77E-06	3.93E-06	8.70E-06	8.09E-07	6.30E-07	1.44E-06	3.85E-06	2.88E-06	6.73E-06	6.30E-07	5.59E-07	1.19E-06	4.71E-07	2.85E-07	7.56E-07
5428	563248.14	4235004.21	5.12E-06	4.22E-06	9.35E-06	8.70E-07	6.77E-07	1.55E-06	4.14E-06	3.10E-06	7.24E-06	6.78E-07	6.01E-07	1.28E-06	5.06E-07	3.07E-07	8.13E-07
5429	563238.45	4235002.32	5.62E-06	4.63E-06	1.02E-05	9.53E-07	7.42E-07	1.69E-06	4.54E-06	3.39E-06	7.93E-06	7.43E-07	6.58E-07	1.40E-06	5.55E-07	3.36E-07	8.91E-07
5430	563284.19	4234989.94	4.03E-06	3.32E-06	7.34E-06	6.83E-07	5.32E-07	1.21E-06	3.25E-06	2.43E-06	5.68E-06	5.32E-07	4.72E-07	1.00E-06	3.98E-07	2.41E-07	6.39E-07
5431	563282.02	4235003	3.85E-06	3.18E-06	7.03E-06	6.54E-07	5.09E-07	1.16E-06	3.11E-06	2.33E-06	5.44E-06	5.10E-07	4.52E-07	9.62E-07	3.81E-07	2.31E-07	6.11E-07
5432	563272.7	4235007.03	4.09E-06	3.37E-06	7.46E-06	6.94E-07	5.41E-07	1.23E-06	3.30E-06	2.47E-06	5.78E-06	5.41E-07	4.80E-07	1.02E-06	4.04E-07	2.45E-07	6.49E-07
5433	563263.38	4235011.07	4.33E-06	3.56E-06	7.89E-06	7.34E-07	5.71E-07	1.31E-06	3.49E-06	2.61E-06	6.11E-06	5.72E-07	5.07E-07	1.08E-06	4.27E-07	2.59E-07	6.86E-07
5434	563249.08	4235014.13	4.75E-06	3.92E-06	8.67E-06	8.07E-07	6.28E-07	1.43E-06	3.84E-06	2.87E-06	6.71E-06	6.29E-07	5.57E-07	1.19E-06	4.70E-07	2.85E-07	7.54E-07
5435	563239.11	4235012.18	5.19E-06	4.28E-06	9.47E-06	8.81E-07	6.86E-07	1.57E-06	4.19E-06	3.14E-06	7.33E-06	6.86E-07	6.08E-07	1.29E-06	5.13E-07	3.11E-07	8.23E-07
5436	563229.14	4235010.23	5.65E-06	4.65E-06	1.03E-05	9.58E-07	7.46E-07	1.70E-06	4.56E-06	3.41E-06	7.97E-06	7.47E-07	6.62E-07	1.41E-06	5.58E-07	3.38E-07	8.96E-07
5437	563288.44	4235010.63	3.52E-06	2.90E-06	6.42E-06	5.97E-07	4.65E-07	1.06E-06	2.84E-06	2.13E-06	4.97E-06	4.65E-07	4.12E-07	8.77E-07	3.47E-07	2.11E-07	5.58E-07
5438	563278.92	4235014.75	3.73E-06	3.07E-06	6.80E-06	6.33E-07	4.93E-07	1.13E-06	3.01E-06	2.25E-06	5.27E-06	4.93E-07	4.37E-07	9.30E-07	3.68E-07	2.23E-07	5.92E-07
5439	563269.41	4235018.87	3.94E-06	3.25E-06	7.19E-06	6.68E-07	5.20E-07	1.19E-06	3.18E-06	2.38E-06	5.56E-06	5.21E-07	4.62E-07	9.83E-07	3.89E-07	2.36E-07	6.25E-07
5440	563259.89	4235022.99	4.14E-06	3.41E-06	7.55E-06	7.03E-07	5.47E-07	1.25E-06	3.34E-06	2.50E-06	5.85E-06	5.48E-07	4.85E-07	1.03E-06	4.09E-07	2.48E-07	6.57E-07
5441	563250.05	4235024.05	4.42E-06	3.64E-06	8.05E-06	7.49E-07	5.83E-07	1.33E-06	3.57E-06	2.67E-06	6.23E-06	5.84E-07	5.17E-07	1.10E-06	4.36E-07	2.64E-07	7.00E-07
5442	563239.87	4235022.06	4.80E-06	3.96E-06	8.76E-06	8.15E-07	6.34E-07	1.45E-06	3.88E-06	2.90E-06	6.78E-06	6.35E-07	5.63E-07	1.20E-06	4.74E-07	2.87E-07	7.62E-07
5443	563229.69	4235020.07	5.21E-06	4.30E-06	9.51E-06	8.85E-07	6.89E-07	1.57E-06	4.21E-06	3.15E-06	7.36E-06	6.90E-07	6.11E-07	1.30E-06	5.15E-07	3.12E-07	8.27E-07
5444	563297.22	4235005.12	3.35E-06	2.76E-06	6.10E-06	5.68E-07	4.42E-07	1.01E-06	2.70E-06	2.02E-06	4.72E-06	4.42E-07	3.92E-07	8.35E-07	3.30E-07	2.00E-07	5.31E-07
5445	563294.88	4235018.25	3.22E-06	2.66E-06	5.88E-06	5.47E-07	4.26E-07	9.73E-07	2.60E-06	1.95E-06	4.55E-06	4.26E-07	3.78E-07	8.04E-07	3.18E-07	1.93E-07	5.11E-07
5446	563285.21	4235022.43	3.41E-06	2.81E-06	6.23E-06	5.79E-07	4.51E-07	1.03E-06	2.76E-06	2.06E-06	4.82E-06	4.51E-07	4.00E-07	8.51E-07	3.37E-07	2.04E-07	5.41E-07
5447	563275.54	4235026.62	3.60E-06	2.97E-06	6.57E-06	6.11E-07	4.76E-07	1.09E-06	2.91E-06	2.18E-06	5.09E-06	4.76E-07	4.22E-07	8.98E-07	3.56E-07	2.16E-07	5.71E-07
5448	563265.88	4235030.8	3.79E-06	3.12E-06	6.90E-06	6.42E-07	5.00E-07	1.14E-06	3.06E-06	2.29E-06	5.34E-06	5.01E-07	4.44E-07	9.44E-07	3.74E-07	2.27E-07	6.00E-07
5449	563251.04	4235033.98	4.12E-06	3.39E-06	7.51E-06	6.99E-07	5.44E-07	1.24E-06	3.33E-06	2.49E-06	5.81E-06	5.45E-07	4.83E-07	1.03E-06	4.07E-07	2.47E-07	6.53E-07
5450	563240.7	4235031.95	4.46E-06	3.68E-06	8.14E-06	7.57E-07	5.89E-07	1.35E-06	3.60E-06	2.70E-06	6.30E-06	5.90E-07	5.23E-07	1.11E-06	4.41E-07	2.67E-07	7.08E-07
5451	563230.37	4235029.93	4.83E-06	3.98E-06	8.81E-06	8.19E-07	6.38E-07	1.46E-06	3.90E-06	2.92E-06	6.82E-06	6.39E-07	5.66E-07	1.20E-06	4.77E-07	2.89E-07	7.66E-07
5452	563220.03	4235027.91	5.20E-06	4.28E-06	9.48E-06	8.82E-07	6.87E-07	1.57E-06	4.20E-06	3.14E-06	7.34E-06	6.88E-07	6.09E-07	1.30E-06	5.13E-07	3.11E-07	8.25E-07
5453	563303.73	4235012.71	3.07E-06	2.53E-06	5.60E-06	5.21E-07	4.06E-07	9.27E-07	2.48E-06	1.86E-06	4.34E-06	4.06E-07	3.60E-07	7.66E-07	3.03E-07	1.84E-07	4.87E-07
5454	563301.77	4235025.67	2.96E-06	2.44E-06	5.39E-06	5.02E-07	3.91E-07	8.92E-07	2.39E-06	1.79E-06	4.18E-06	3.91E-07	3.47E-07	7.38E-07	2.92E-07	1.77E-07	4.69E-07
5455	563292.88	4235029.52	3.11E-06	2.56E-06	5.68E-06	5.28E-07	4.11E-07	9.39E-07	2.51E-06	1.88E-06	4.39E-06	4.12E-07	3.65E-07	7.76E-07	3.07E-07	1.86E-07	4.94E-07
5456	563283.98	4235033.37	3.27E-06	2.69E-06	5.96E-06	5.54E-07	4.31E-07	9.86E-07	2.64E-06	1.97E-06	4.61E-06	4.32E-07	3.83E-07	8.15E-07	3.23E-07	1.96E-07	5.18E-07
5457	563275.08	4235037.23	3.42E-06	2.82E-06	6.24E-06	5.80E-07	4.52E-07	1.03E-06	2.76E-06	2.07E-06	4.83E-06	4.52E-07	4.01E-07	8.53E-07	3.38E-07	2.05E-07	5.42E-07
5458	563266.18	4235041.08	3.57E-06	2.94E-06	6.51E-06	6.05E-07	4.71E-07	1.08E-06	2.88E-06	2.16E-06	5.04E-06	4.72E-07	4.18E-07	8.90E-07	3.52E-07	2.14E-07	5.66E-07
5459	563252.53	4235044	3.84E-06	3.16E-06	7.00E-06	6.51E-07	5.07E-07	1.16E-06	3.10E-06	2.32E-06	5.42E-06	5.08E-07	4.50E-07	9.57E-07	3.79E-07	2.30E-07	6.09E-07
5460	563243.01	4235042.14	4.12E-06	3.39E-06	7.51E-06	6.98E-07	5.44E-07	1.24E-06	3.32E-06	2.49E-06	5.81E-06	5.44E-07	4.82E-07	1.03E-06	4.06E-07	2.46E-07	6.53E-07
5461	563233.5	4235040.28	4.41E-06	3.64E-06	8.05E-06	7.49E-07	5.83E-07	1.33E-06	3.56E-06	2.67E-06	6.23E-06	5.84E-07	5.17E-07	1.10E-06	4.36E-07	2.64E-07	7.00E-07
5462	563223.98	4235038.42	4.72E-06	3.88E-06	8.60E-06	8.00E-07	6.23E-07	1.42E-06	3.81E-06	2.85E-06	6.66E-06	6.24E-07	5.53E-07	1.18E-06	4.66E-07	2.82E-07	7.48E-07
5463	563214.47	4235036.56	5.01E-06	4.13E-06	9.14E-06	8.50E-07	6.62E-07	1.51E-06	4.05E-06	3.03E-06	7.07E-06	6.63E-07	5.87E-07	1.25E-06	4.95E-07	3.00E-07	7.95E-07
5464	563308.2	4235033.3	2.73E-06	2.25E-06	4.98E-06	4.63E-07	3.61E-07	8.24E-07	2.21E-06	1.65E-06	3.86E-06	3.61E-07	3.20E-07	6.81E-07	2.70E-07	1.63E-07	4.33E-07
5465	563299.14	4235037.22	2.87E-06	2.37E-06	5.24E-06	4.87E-07	3.79E-07	8.66E-07	2.32E-06	1.74E-06	4.05E-06	3.80E-07	3.36E-07	7.16E-07	2.84E-07	1.72E-07	4.55E-07
5466	563290.08	4235041.14	3.01E-06	2.48E-06	5.49E-06	5.11E-07	3.98E-07	9.09E-07	2.43E-06	1.82E-06	4.25E-06	3.98E-07	3.53E-07	7.51E-07	2.97E-07	1.80E-07	4.78E-07
5467	563281.02	4235045.06	3.15E-06	2.60E-06	5.75E-06	5.34E-07	4.16E-07	9.51E-07	2.54E-06	1.90E-06	4.45E-06	4.17E-07	3.69E-07	7.86E-07	3.11E-07	1.89E-07	5.00E-07
5468	563271.95	4235048.99	3.29E-06	2.71E-06	5.99E-06	5.58E-07	4.34E-07	9.91E-07	2.65E-06	1.99E-06	4.64E-06	4.35E-07	3.85E-07	8.20E-07	3.24E-07	1.97E-07	5.21E-07
5469	563262.89	4235052.91	3.42E-06	2.81E-06	6.23E-06	5.80E-07	4.51E-07	1.03E-06	2.76E-06	2.06E-06	4.82E-06	4.52E-07	4.00E-07	8.52E-07	3.37E-07	2.04E-07	5.42E-07
5470	563253.51	4235053.92	3.60E-06	2.96E-06	6.56E-06	6.11E-07	4.75E-07	1.09E-06	2.91E-06	2.17E-06	5.08E-06	4.76E-07	4.22E-07	8.98E-07	3.55E-07	2.15E-07	5.71E-07
5471	563243.82	4235052.03	3.85E-06	3.17E-06	7.02E-06	6.53E-07	5.09E-07	1.16E-06	3.11E-06	2.33E-06	5.44E-06	5.09E-07	4.51E-07	9.61E-07	3.80E-07	2.31E-07	6.11E-07
5472	563234.13	4235050.13	4.12E-06	3.40E-06	7.52E-06	6.99E-07	5.44E-07	1.24E-06	3.33E-06	2.49E-06	5.82E-06	5.45E-07	4.83E-07	1.03E-06	4.07E-07	2.47E-07	6.54E-07
5473	563224.44	4235048.24	4.39E-06	3.62E-06	8.01E-06	7.46E-07	5.80E-07	1.33E-06	3.55E-06	2.66E-06	6.20E-06	5.81E-07	5.15E-07	1.10E-06	4.34E-07	2.63E-07	6.97E-07
5474	563214.75	4235046.34	4.66E-06	3.84E-06	8.50E-06	7.91E-07	6.16E-07	1.41E-06	3.76E-06	2.82E-06	6.58E-06	6.17E-07	5.46E-07	1.16E-06	4.60E-07	2.79E-07	7.39E-07
5475	563316.76	4235027.89	2.62E-06	2.16E-06	4.77E-06	4.44E-07	3.46E-07	7.89E-07	2.11E-06	1.58E-06	3.69E-06	3.46E-07	3.07E-07	6.53E-07	2.58E-07	1.57E-07	4.15E-07
5476	563321.1	4235048.53	2.35E-06	1.94E-06	4.29E-06	3.99E-07	3.11E-07	7.10E-07	1.90E-06	1.42E-06	3.32E-06	3.11E-07	2.76E-07	5.87E-07	2.32E-07	1.41E-07	3.73E-07
5477	563311.78	4235052.56	2.47E-06	2.03E-06	4.50E-06	4.19E-07	3.26E-07	7.44E-07	1.99E-06	1.49E-06	3.48E-06	3.26E-07	2.89E-07	6.15E-07	2.44E-07	1.48E-07	3.91E-07
5478	563302.46	4235056.6	2.58E-06	2.13E-06	4.71E-06	4.38E-07	3.41E-07	7.79E-07	2.08E-06	1.56E-06	3.65E-06	3.41E-07	3.03E-07	6.44E-07	2.55E-07	1.55E-07	4.10E-07
5479	563293.14	4235060.63	2.70E-06	2.22E-06	4.92E-06	4.58E-07	3.56E-07	8.14E-07	2.18E-06	1.63E-06	3.81E-06	3.57E-07	3.16E-07	6.73E-07	2.66E-07	1.61E-07	4.28E-07
5480	563283.81	4235064.67	2.81E-06	2.32E-06	5.13E-06	4.77E-07	3.71E-07	8.48E-07	2.27E-06	1.70E-06	3.97E-06	3.72E-07	3.29E-07	7.01E-07	2.78E-07	1.68E-07	4.46E-07
5481	563274.49	4235068.7	2.92E-06	2.41E-06	5.33E-06	4.96E-07	3.86E-07	8.82E-07	2.36E-06	1.77E-06	4.13E-06	3.86E-07	3.42E-07	7.29E-07	2.89E-07	1.75E-07	4.63E-07
5482	563265.17	4235072.74	3.03E-06	2.50E-06	5.52E-06	5.14E-07	4.00E-07	9.14E-07	2.45E-06	1.83E-06	4.28E-06	4.01E-07	3.55E-07	7.55E-07	2.99E-07	1.81E-07	4.80E-07
5483	563255.53	4235073.78	3.19E-06	2.62E-06	5.81E-06	5.41E-07	4.21E-07	9.61E-07	2.57E-06	1.93E-06	4.50E-06	4.21E-07	3.73E-07	7.95E-07	3.15E-07	1.91E-07	5.05E-07

5484	563245.56	4235071.83	3.40E-06	2.80E-06	6.21E-06	5.78E-07	4.50E-07	1.03E-06	2.75E-06	2.06E-06	4.81E-06	4.50E-07	3.99E-07	8.49E-07	3.36E-07	2.04E-07	5.40E-07
5485	563235.59	4235069.88	3.63E-06	2.99E-06	6.61E-06	6.15E-07	4.79E-07	1.09E-06	2.93E-06	2.19E-06	5.12E-06	4.79E-07	4.25E-07	9.04E-07	3.58E-07	2.17E-07	5.75E-07
5486	563225.62	4235067.93	3.85E-06	3.17E-06	7.02E-06	6.53E-07	5.08E-07	1.16E-06	3.11E-06	2.32E-06	5.43E-06	5.09E-07	4.51E-07	9.60E-07	3.80E-07	2.30E-07	6.10E-07
5487	563215.65	4235065.99	4.06E-06	3.35E-06	7.41E-06	6.89E-07	5.37E-07	1.23E-06	3.28E-06	2.46E-06	5.74E-06	5.37E-07	4.76E-07	1.01E-06	4.01E-07	2.43E-07	6.44E-07
5488	563205.68	4235064.04	4.27E-06	3.52E-06	7.79E-06	7.25E-07	5.64E-07	1.29E-06	3.45E-06	2.58E-06	6.03E-06	5.65E-07	5.00E-07	1.07E-06	4.22E-07	2.56E-07	6.77E-07
5489	563329.78	4235043.06	2.26E-06	1.86E-06	4.12E-06	3.83E-07	2.98E-07	6.81E-07	1.82E-06	1.36E-06	3.19E-06	2.99E-07	2.65E-07	5.63E-07	2.23E-07	1.35E-07	3.58E-07
5490	563334.03	4235063.75	2.05E-06	1.69E-06	3.74E-06	3.47E-07	2.70E-07	6.18E-07	1.65E-06	1.24E-06	2.89E-06	2.71E-07	2.40E-07	5.11E-07	2.02E-07	1.23E-07	3.25E-07
5491	563324.51	4235067.87	2.14E-06	1.77E-06	3.91E-06	3.64E-07	2.83E-07	6.47E-07	1.73E-06	1.30E-06	3.03E-06	2.83E-07	2.51E-07	5.35E-07	2.12E-07	1.28E-07	3.40E-07
5492	563315	4235071.99	2.24E-06	1.84E-06	4.08E-06	3.80E-07	2.96E-07	6.75E-07	1.81E-06	1.35E-06	3.16E-06	2.96E-07	2.62E-07	5.58E-07	2.21E-07	1.34E-07	3.55E-07
5493	563305.48	4235076.11	2.33E-06	1.92E-06	4.26E-06	3.96E-07	3.08E-07	7.04E-07	1.88E-06	1.41E-06	3.30E-06	3.09E-07	2.74E-07	5.82E-07	2.31E-07	1.40E-07	3.70E-07
5494	563295.97	4235080.22	2.43E-06	2.00E-06	4.43E-06	4.12E-07	3.21E-07	7.33E-07	1.96E-06	1.47E-06	3.43E-06	3.21E-07	2.85E-07	6.06E-07	2.40E-07	1.45E-07	3.85E-07
5495	563286.45	4235084.34	2.52E-06	2.08E-06	4.60E-06	4.28E-07	3.33E-07	7.61E-07	2.04E-06	1.53E-06	3.56E-06	3.34E-07	2.96E-07	6.29E-07	2.49E-07	1.51E-07	4.00E-07
5496	563276.93	4235088.46	2.62E-06	2.15E-06	4.77E-06	4.44E-07	3.45E-07	7.89E-07	2.11E-06	1.58E-06	3.69E-06	3.46E-07	3.07E-07	6.52E-07	2.58E-07	1.57E-07	4.15E-07
5497	563267.42	4235092.58	2.70E-06	2.23E-06	4.93E-06	4.59E-07	3.57E-07	8.16E-07	2.18E-06	1.63E-06	3.82E-06	3.58E-07	3.17E-07	6.74E-07	2.67E-07	1.62E-07	4.29E-07
5498	563257.57	4235093.64	2.84E-06	2.34E-06	5.17E-06	4.81E-07	3.75E-07	8.56E-07	2.29E-06	1.71E-06	4.00E-06	3.75E-07	3.32E-07	7.07E-07	2.80E-07	1.70E-07	4.50E-07
5499	563247.4	4235091.65	3.02E-06	2.49E-06	5.51E-06	5.13E-07	3.99E-07	9.12E-07	2.44E-06	1.83E-06	4.26E-06	3.99E-07	3.54E-07	7.54E-07	2.98E-07	1.81E-07	4.79E-07
5500	563237.22	4235089.67	3.21E-06	2.64E-06	5.86E-06	5.45E-07	4.24E-07	9.69E-07	2.59E-06	1.94E-06	4.53E-06	4.25E-07	3.76E-07	8.01E-07	3.17E-07	1.92E-07	5.09E-07
5501	563227.04	4235087.68	3.40E-06	2.80E-06	6.20E-06	5.76E-07	4.49E-07	1.03E-06	2.74E-06	2.05E-06	4.80E-06	4.49E-07	3.98E-07	8.47E-07	3.35E-07	2.03E-07	5.39E-07
5502	563216.87	4235085.69	3.57E-06	2.94E-06	6.52E-06	6.06E-07	4.72E-07	1.08E-06	2.89E-06	2.16E-06	5.05E-06	4.73E-07	4.19E-07	8.91E-07	3.53E-07	2.14E-07	5.67E-07
5503	563206.69	4235083.7	3.75E-06	3.09E-06	6.83E-06	6.36E-07	4.95E-07	1.13E-06	3.02E-06	2.26E-06	5.29E-06	4.95E-07	4.39E-07	9.34E-07	3.70E-07	2.24E-07	5.94E-07
5504	563196.51	4235081.71	3.90E-06	3.22E-06	7.12E-06	6.62E-07	5.15E-07	1.18E-06	3.15E-06	2.36E-06	5.51E-06	5.16E-07	4.57E-07	9.74E-07	3.85E-07	2.34E-07	6.19E-07
5505	563342.81	4235058.24	1.97E-06	1.62E-06	3.60E-06	3.35E-07	2.60E-07	5.95E-07	1.59E-06	1.19E-06	2.78E-06	2.61E-07	2.31E-07	4.92E-07	1.95E-07	1.18E-07	3.13E-07
5506	563346.98	4235078.96	1.80E-06	1.48E-06	3.29E-06	3.06E-07	2.38E-07	5.44E-07	1.45E-06	1.09E-06	2.54E-06	2.38E-07	2.11E-07	4.49E-07	1.78E-07	1.08E-07	2.86E-07
5507	563337.31	4235083.14	1.88E-06	1.55E-06	3.43E-06	3.19E-07	2.48E-07	5.67E-07	1.52E-06	1.14E-06	2.65E-06	2.49E-07	2.20E-07	4.69E-07	1.86E-07	1.13E-07	2.98E-07
5508	563327.64	4235087.33	1.96E-06	1.61E-06	3.57E-06	3.33E-07	2.59E-07	5.91E-07	1.58E-06	1.18E-06	2.77E-06	2.59E-07	2.30E-07	4.89E-07	1.94E-07	1.17E-07	3.11E-07
5509	563317.98	4235091.51	2.04E-06	1.68E-06	3.72E-06	3.46E-07	2.69E-07	6.16E-07	1.65E-06	1.23E-06	2.88E-06	2.70E-07	2.39E-07	5.09E-07	2.01E-07	1.22E-07	3.24E-07
5510	563308.31	4235095.69	2.12E-06	1.75E-06	3.87E-06	3.60E-07	2.80E-07	6.40E-07	1.71E-06	1.28E-06	2.99E-06	2.80E-07	2.48E-07	5.29E-07	2.09E-07	1.27E-07	3.36E-07
5511	563298.64	4235099.88	2.20E-06	1.81E-06	4.01E-06	3.73E-07	2.90E-07	6.64E-07	1.78E-06	1.33E-06	3.10E-06	2.91E-07	2.58E-07	5.49E-07	2.17E-07	1.32E-07	3.49E-07
5512	563288.98	4235104.06	2.28E-06	1.88E-06	4.15E-06	3.87E-07	3.01E-07	6.87E-07	1.84E-06	1.38E-06	3.22E-06	3.01E-07	2.67E-07	5.68E-07	2.25E-07	1.36E-07	3.61E-07
5513	563279.31	4235108.25	2.36E-06	1.94E-06	4.30E-06	4.00E-07	3.11E-07	7.11E-07	1.90E-06	1.42E-06	3.32E-06	3.11E-07	2.76E-07	5.87E-07	2.33E-07	1.41E-07	3.74E-07
5514	563269.64	4235112.43	2.43E-06	2.00E-06	4.43E-06	4.12E-07	3.21E-07	7.33E-07	1.96E-06	1.47E-06	3.43E-06	3.21E-07	2.85E-07	6.06E-07	2.40E-07	1.45E-07	3.85E-07
5515	563259.64	4235113.51	2.54E-06	2.09E-06	4.64E-06	4.31E-07	3.36E-07	7.67E-07	2.05E-06	1.54E-06	3.59E-06	3.36E-07	2.98E-07	6.34E-07	2.51E-07	1.52E-07	4.03E-07
5516	563249.3	4235111.49	2.69E-06	2.22E-06	4.91E-06	4.57E-07	3.56E-07	8.13E-07	2.18E-06	1.63E-06	3.80E-06	3.56E-07	3.16E-07	6.72E-07	2.66E-07	1.61E-07	4.27E-07
5517	563238.97	4235109.47	2.85E-06	2.35E-06	5.20E-06	4.84E-07	3.77E-07	8.61E-07	2.30E-06	1.72E-06	4.03E-06	3.77E-07	3.34E-07	7.11E-07	2.82E-07	1.71E-07	4.52E-07
5518	563228.63	4235107.45	3.01E-06	2.48E-06	5.49E-06	5.11E-07	3.98E-07	9.09E-07	2.43E-06	1.82E-06	4.25E-06	3.98E-07	3.53E-07	7.51E-07	2.97E-07	1.80E-07	4.78E-07
5519	563218.29	4235105.43	3.17E-06	2.61E-06	5.77E-06	5.37E-07	4.18E-07	9.55E-07	2.56E-06	1.91E-06	4.47E-06	4.19E-07	3.71E-07	7.90E-07	3.13E-07	1.89E-07	5.02E-07
5520	563207.95	4235103.41	3.31E-06	2.73E-06	6.04E-06	5.62E-07	4.37E-07	9.99E-07	2.67E-06	2.00E-06	4.68E-06	4.38E-07	3.88E-07	8.26E-07	3.27E-07	1.98E-07	5.25E-07
5521	563197.61	4235101.39	3.45E-06	2.84E-06	6.29E-06	5.85E-07	4.55E-07	1.04E-06	2.78E-06	2.08E-06	4.87E-06	4.56E-07	4.04E-07	8.60E-07	3.40E-07	2.06E-07	5.47E-07
5522	563187.28	4235099.37	3.56E-06	2.93E-06	6.50E-06	6.04E-07	4.70E-07	1.07E-06	2.88E-06	2.15E-06	5.03E-06	4.71E-07	4.17E-07	8.88E-07	3.52E-07	2.13E-07	5.65E-07
5523	563360.18	4235094.06	1.60E-06	1.32E-06	2.91E-06	2.71E-07	2.11E-07	4.82E-07	1.29E-06	9.65E-07	2.25E-06	2.11E-07	1.87E-07	3.98E-07	1.58E-07	9.55E-08	2.53E-07
5524	563350.85	4235098.1	1.66E-06	1.37E-06	3.03E-06	2.82E-07	2.19E-07	5.01E-07	1.34E-06	1.00E-06	2.34E-06	2.19E-07	1.95E-07	4.14E-07	1.64E-07	9.93E-08	2.63E-07
5525	563341.53	4235102.13	1.72E-06	1.42E-06	3.14E-06	2.92E-07	2.28E-07	5.20E-07	1.39E-06	1.04E-06	2.43E-06	2.28E-07	2.02E-07	4.30E-07	1.70E-07	1.03E-07	2.73E-07
5526	563332.21	4235106.17	1.79E-06	1.47E-06	3.26E-06	3.03E-07	2.36E-07	5.39E-07	1.44E-06	1.08E-06	2.52E-06	2.36E-07	2.09E-07	4.46E-07	1.76E-07	1.07E-07	2.83E-07
5527	563322.89	4235110.2	1.85E-06	1.53E-06	3.38E-06	3.14E-07	2.44E-07	5.59E-07	1.49E-06	1.12E-06	2.61E-06	2.45E-07	2.17E-07	4.62E-07	1.83E-07	1.11E-07	2.94E-07
5528	563313.57	4235114.23	1.92E-06	1.58E-06	3.49E-06	3.25E-07	2.53E-07	5.78E-07	1.55E-06	1.16E-06	2.70E-06	2.53E-07	2.24E-07	4.78E-07	1.89E-07	1.15E-07	3.04E-07
5529	563304.25	4235118.27	1.98E-06	1.63E-06	3.61E-06	3.36E-07	2.61E-07	5.97E-07	1.60E-06	1.20E-06	2.79E-06	2.62E-07	2.32E-07	4.94E-07	1.95E-07	1.18E-07	3.14E-07
5530	563294.92	4235122.3	2.04E-06	1.68E-06	3.73E-06	3.47E-07	2.70E-07	6.17E-07	1.65E-06	1.23E-06	2.88E-06	2.70E-07	2.39E-07	5.10E-07	2.02E-07	1.22E-07	3.24E-07
5531	563285.6	4235126.34	2.11E-06	1.74E-06	3.84E-06	3.57E-07	2.78E-07	6.36E-07	1.70E-06	1.27E-06	2.97E-06	2.79E-07	2.47E-07	5.25E-07	2.08E-07	1.26E-07	3.34E-07
5532	563276.28	4235130.37	2.17E-06	1.79E-06	3.95E-06	3.68E-07	2.86E-07	6.54E-07	1.75E-06	1.31E-06	3.06E-06	2.87E-07	2.54E-07	5.41E-07	2.14E-07	1.30E-07	3.44E-07
5533	563261.98	4235133.43	2.28E-06	1.88E-06	4.17E-06	3.88E-07	3.02E-07	6.89E-07	1.84E-06	1.38E-06	3.23E-06	3.02E-07	2.68E-07	5.70E-07	2.26E-07	1.37E-07	3.62E-07
5534	563252.01	4235131.48	2.41E-06	1.99E-06	4.40E-06	4.09E-07	3.18E-07	7.27E-07	1.95E-06	1.46E-06	3.40E-06	3.19E-07	2.83E-07	6.01E-07	2.38E-07	1.44E-07	3.82E-07
5535	563242.04	4235129.53	2.54E-06	2.09E-06	4.63E-06	4.31E-07	3.35E-07	7.66E-07	2.05E-06	1.53E-06	3.58E-06	3.36E-07	2.97E-07	6.33E-07	2.51E-07	1.52E-07	4.03E-07
5536	563232.07	4235127.59	2.67E-06	2.20E-06	4.87E-06	4.53E-07	3.52E-07	8.05E-07	2.15E-06	1.61E-06	3.77E-06	3.53E-07	3.13E-07	6.66E-07	2.64E-07	1.60E-07	4.23E-07
5537	563222.1	4235125.64	2.80E-06	2.30E-06	5.10E-06	4.74E-07	3.69E-07	8.44E-07	2.26E-06	1.69E-06	3.95E-06	3.70E-07	3.28E-07	6.98E-07	2.76E-07	1.67E-07	4.44E-07
5538	563212.13	4235123.69	2.92E-06	2.40E-06	5.32E-06	4.95E-07	3.85E-07	8.81E-07	2.36E-06	1.76E-06	4.12E-06	3.86E-07	3.42E-07	7.28E-07	2.88E-07	1.75E-07	4.63E-07
5539	563202.16	4235121.74	3.03E-06	2.50E-06	5.53E-06	5.14E-07	4.00E-07	9.14E-07	2.45E-06	1.83E-06	4.28E-06	4.01E-07	3.55E-07	7.56E-07	2.99E-07	1.81E-07	4.81E-07
5540	563192.2	4235119.79	3.13E-06	2.58E-06	5.71E-06	5.31E-07	4.13E-07	9.45E-07	2.53E-06	1.89E-06	4.42E-06	4.14E-07	3.67E-07	7.81E-07	3.09E-07	1.87E-07	4.97E-07
5541	563182.23	4235117.84	3.21E-06	2.65E-06	5.86E-06	5.45E-07	4.25E-07	9.70E-07	2.60E-06	1.94E-06	4.54E-06	4.25E-07	3.77E-07	8.02E-07	3.17E-07	1.92E-07	5.10E-07
5542	563172.26	4235115.89	3.27E-06	2.69E-06	5.96E-06	5.55E-07	4.32E-07	9.87E-07	2.64E-06	1.98E-06	4.62E-06	4.32E-07	3.83E-07	8.16E-07	3.23E-07	1.96E-07	5.19E-07
5543	563373.13	4235109.27	1.43E-06	1.18E-06	2.60E-06	2.42E-07	1.88E-07	4.31E-07	1.15E-06	8.62E-07	2.01E-06	1.89E-07	1.67E-07	3.56E-07	1.41E-07	8.54E-08	2.26E-07
5544	563363.68	4235113.36	1.48E-06	1.22E-06	2.70E-06	2.51E-07	1.96E-07	4.47E-07	1.20E-06	8.95E-07	2.09E-06	1.96E-07	1.74E-07	3.69E-07	1.46E-07	8.86E-08	2.35E-07
5545	563354.22	4235117.45	1.54E-06	1.26E-06	2.80E-06	2.61E-07	2.03E-07	4.63E-07	1.24E-06	9.28E-07	2.17E-06	2.03E-07	1.80E-07	3.83E-07	1.52E-07	9.19E-08	2.44E-07
5546	563344.76	4235121.55	1.59E-06	1.31E-06	2.90E-06	2.70E-07	2.10E-07	4.80E-07	1.28E-06	9.61E-07	2.24E-06	2.10E-07	1.86E-07	3.96E-07	1.57E-07	9.51E-08	2.52E-07
5547	563335.31	4235125.64	1.64E-06	1.35E-06	3.00E-06	2.79E-07	2.17E-07	4.96E-07	1.33E-06	9.93E-07	2.32E-06	2.17E-07	1.93E-07	4.10E-07	1.62E-07	9.84E-08	2.61E-07
5548	563325.85	4235129.73	1.70E-06	1.40E-06	3.10E-06	2.88E-07	2.24E-07	5.13E-07	1.37E-06	1.03E-06	2.40E-06	2.25E-07	1.99E-07	4.24E-07	1.68E-07	1.02E-07	2.69E-07
5549	563316.39	4235133.83	1.75E-06	1.44E-06	3.20E-06	2.97E-07	2.32E-07	5.29E-07	1.42E-06	1.06E-06	2.48E-06	2.32E-07	2.05E-07	4.37E-07	1.73E-07	1.05E-07	2.78E-07
5550	563306.94	4235137.92	1.81E-06	1.49E-06	3.30E-06	3.07E-07	2.39E-07	5.46E-07	1.46E-06	1.09E-06	2.55E-06	2.39E-07	2.12E-07	4.51E-07	1.79E-07	1.08E-07	2.87E-07
5551	563297.48	4235142.01	1.86E-06	1.53E-06	3.40E-06	3.16E-07	2.46E-07	5.62E-07	1.50E-06	1.13E-06	2.63E-06	2.46E-07	2.18E-07	4.65E-07	1.84E-07	1.11E-07	2.95E-07
5552	563288.02	4235146.11	1.92E-06	1.58E-06	3.49E-06	3.25E-07	2.53E-07	5.78E-07	1.55E-06	1.16E-06	2.70E-06	2.53E-07	2.25E-07	4.78E-07	1.89E-07	1.15E-07	3.04E-07
5553	563278.57	4235150.2	1.97E-06	1.62E-06	3.58E-06	3.33E-07	2.60E-07	5.93E-07	1.59E-06	1.19E-06	2.77E-06	2.60E-07	2.30E-07	4.90E-07	1.94E-07	1.18E-07	3.12E-07
5554	563264.05	4235153.3	2.07E-06	1.70E-06	3.77E-06	3.51E-07	2.73E-07	6.24E-07	1.67E-06	1.25E-06	2.92E-06	2.74E-07	2.42E-07	5.16E-07	2.04E-07	1.24E-07	3.28E-07
5555	563253.94	4235151.33	2.18E-06	1.80E-06	3.98E-06	3.70E-07	2.88E-07	6.58E-07	1.76E-06	1.32E-06	3.08E-06	2.88E-07	2.55E-07	5.44E-07	2.15E-07	1.30E-07	3.46E-07
5556	563243.83	4235149.35	2.29E-06	1.89E-06	4.18E-06	3.89E-07	3.03E-07	6.92E-07	1.85E-06	1.39E-06	3.24E-06	3.03E-07	2.69E-07	5.72E-07	2.26E-07	1.37E-07	3.64E-07
5557	563233.71	4235147.37	2.40E-06	1.98E-06	4.39E-06	4.08E-07	3.18E-07	7.26E-07	1.94E-06	1.45E-06	3.40E-06	3.18E-07	2.82E-07	6.00E-07	2.37E-07	1.44E-07	3.81E-07
5558	563223.6	4235145.39	2.52E-06	2.07E-06	4.59E-06	4.27E-07	3.32E-07	7.59E-07	2.03E-06	1.52E-06	3.55E-06	3.33E-07	2.95E-07	6.27E-07	2.48E-07	1.51E-07	3.99E-07
5559	563213.49	4235143.42	2.62E-06	2.16E-06	4.78E-06	4.45E-07	3.46E-07	7.91E-07	2.12E-06	1.58E-06	3.70E-06	3.47E-07	3.07E-07	6.54E-07	2.59E-07	1.57E-07	4.16E-07
5560	563203.38	4235141.44	2.71E-06	2.24E-06	4.95E-06	4.60E-07	3.58E-07	8.19E-07	2.19E-06	1.64E-06	3.83E-06	3.59E-07	3.18E-07	6.77E-07	2.68E-07	1.62E-07	4.30E-07
5561	563193.26	4235139.46	2.80E-06	2.30E-06	5.10E-06	4.74E-07	3.69E-07	8.44E-07	2.26E-06	1.69E-06	3.95E-06	3.70E-07	3.28E-07	6.97E-07	2.76E-07	1.67E-07	4.43E-07
5562	563183.15	4235137.49	2.86E-06	2.36E-06	5.22E-06	4.86E-07	3.78E-07	8.64E-07	2.31E-06	1.73E-06	4.04E-06	3.79E-07	3.36E-07	7.14E-07	2.83E-07	1.71E-07	4.54E-07
5563	563173.04	4235135.51	2.92E-06	2.40E-06	5.32E-06	4.95E-07	3.86E-07	8.81E-07	2.36E-06	1.76E-06	4.12E-06	3.86E-07	3.42E-07	7.28E-07	2.88E-07	1.75E-07	4.63E-07
5564	563162.92	4235133.53	2.95E-06	2.43E-06	5.39E-06	5.01E-07	3.90E-07	8.91E-07	2.39E-06	1.79E-06	4.17E-06	3.91E-07	3.46E-07	7.37E-07	2.92E-07	1.77E-07	4.69E-07
5565	563386.1	4235124.47	1.28E-06	1.06E-06	2.34E-06	2.18E-07	1.70E-07	3.88E-07	1.04E-06	7.76E-07	1.81E-06	1.70E-07	1.51E-07	3.20E-07	1.27E-07	7.69E-08	2.04E-07
5566	563376.53	4235128.61	1.33E-06	1.10E-06	2.43E-06	2.26E-07	1.76E-07	4.02E-07	1.07E-06	8.04E-07	1.88E-06	1.76E-07	1.56E-07	3.32E-07	1.31E-07	7.97E-08	2.11E-07
5567	563366.96	4235132.75	1.38E-06	1.13E-06	2.51E-06	2.33E-07	1.82E-07	4.15E-07	1.11E-06	8.32E-07	1.94E-06	1.82E-07	1.61E-07	3.43E-07	1.36E-07	8.24E-08	2.18E-07
5568	563357.39	4235136.9	1.42E-06	1.17E-06	2.59E-06	2.41E-07	1.88E-07	4.29E-07	1.15E-06	8.59E-07	2.01E-06	1.88E-07	1.67E-07	3.54E-07	1.40E-07	8.51E-08	2.25E-07
5569	563347.82	4235141.04	1.47E-06	1.21E-06	2.67E-06	2.49E-07	1.94E-07	4.42E-07	1.18E-06	8.86E-07	2.07E-06	1.94E-07	1.72E-07	3.66E-07	1.45E-07	8.77E-08	2.33E-07
5570	563338.25	4235145.18	1.51E-06	1.24E-06	2.76E-06	2.56E-07	2.00E-07	4.56E-07	1.22E-06	9.13E-07	2.13E-06	2.00E-07	1.77E-07	3.77E-07	1.49E-07	9.04E-08	2.40E-07
5571	563328.68	4235149.32	1.56E-06	1.28E-06	2.84E-06	2.65E-07	2.06E-07	4.71E-07	1.26E-06	9.42E-07	2.20E-06	2.06E-07	1.83E-07	3.89E-07	1.54E-07	9.33E-08	2.47E-07
5572	563319.11	4235153.46	1.61E-06	1.33E-06	2.93E-06	2.73E-07	2.12E-07	4.85E-07	1.30E-06	9.72E-07	2.27E-06	2.13E-07	1.88E-07	4.01E-07	1.59E-07	9.63E-08	2.55E-07
5573	563309.54	4235157.61	1.66E-06	1.37E-06	3.02E-06	2.81E-07	2.19E-07	5.00E-07	1.34E-06	1.00E-06	2.34E-06	2.19E-07	1.94E-07	4.13E-07	1.64E-07	9.92E-08	2.63E-07
5574	563299.97	4235161.75	1.70E-06	1.40E-06	3.11E-06	2.89E-07	2.25E-07	5.14E-07	1.38E-06	1.03E-06	2.41E-06	2.25E-07	2.00E-07	4.25E-07	1.68E-07	1.02E-07	2.70E-07
5575	563290.4	4235165.89	1.75E-06	1.44E-06	3.19E-06	2.97E-07	2.31E-07	5.28E-07	1.41E-06	1.06E-06	2.47E-06	2.31E-07	2.05E-07	4.36E-07	1.73E-07	1.05E-07	2.77E-07
5576	563280.83	4235170.03	1.79E-06	1.48E-06	3.27E-06	3.04E-07	2.37E-07	5.41E-07	1.45E-06	1.08E-06	2.53E-06	2.37E-07	2.10E-07	4.48E-07	1.77E-07	1.07E-07	2.85E-07

5577	563266.14	4235173.17	1.89E-06	1.55E-06	3.44E-06	3.20E-07	2.49E-07	5.69E-07	1.52E-06	1.14E-06	2.66E-06	2.49E-07	2.21E-07	4.70E-07	1.86E-07	1.13E-07	2.99E-07
5578	563255.91	4235171.17	1.98E-06	1.63E-06	3.62E-06	3.36E-07	2.62E-07	5.98E-07	1.60E-06	1.20E-06	2.80E-06	2.62E-07	2.32E-07	4.94E-07	1.96E-07	1.19E-07	3.14E-07
5579	563245.67	4235169.17	2.08E-06	1.71E-06	3.80E-06	3.53E-07	2.75E-07	6.28E-07	1.68E-06	1.26E-06	2.94E-06	2.75E-07	2.44E-07	5.19E-07	2.06E-07	1.25E-07	3.30E-07
5580	563235.44	4235167.17	2.18E-06	1.79E-06	3.97E-06	3.69E-07	2.87E-07	6.57E-07	1.76E-06	1.32E-06	3.07E-06	2.88E-07	2.55E-07	5.43E-07	2.15E-07	1.30E-07	3.45E-07
5581	563225.21	4235165.17	2.27E-06	1.87E-06	4.14E-06	3.85E-07	3.00E-07	6.85E-07	1.83E-06	1.37E-06	3.20E-06	3.00E-07	2.66E-07	5.66E-07	2.24E-07	1.36E-07	3.60E-07
5582	563214.97	4235163.17	2.36E-06	1.94E-06	4.30E-06	4.00E-07	3.12E-07	7.12E-07	1.90E-06	1.43E-06	3.33E-06	3.12E-07	2.76E-07	5.88E-07	2.33E-07	1.41E-07	3.74E-07
5583	563204.74	4235161.17	2.44E-06	2.01E-06	4.45E-06	4.14E-07	3.23E-07	7.37E-07	1.97E-06	1.48E-06	3.45E-06	3.23E-07	2.86E-07	6.09E-07	2.41E-07	1.46E-07	3.87E-07
5584	563194.5	4235159.17	2.52E-06	2.07E-06	4.59E-06	4.27E-07	3.32E-07	7.59E-07	2.03E-06	1.52E-06	3.55E-06	3.33E-07	2.95E-07	6.27E-07	2.48E-07	1.51E-07	3.99E-07
5585	563184.27	4235157.17	2.58E-06	2.12E-06	4.70E-06	4.37E-07	3.40E-07	7.77E-07	2.08E-06	1.56E-06	3.64E-06	3.41E-07	3.02E-07	6.42E-07	2.54E-07	1.54E-07	4.08E-07
5586	563174.03	4235155.17	2.63E-06	2.16E-06	4.79E-06	4.46E-07	3.47E-07	7.93E-07	2.12E-06	1.59E-06	3.71E-06	3.47E-07	3.08E-07	6.55E-07	2.59E-07	1.57E-07	4.17E-07
5587	563163.8	4235153.17	2.66E-06	2.19E-06	4.86E-06	4.52E-07	3.52E-07	8.03E-07	2.15E-06	1.61E-06	3.76E-06	3.52E-07	3.12E-07	6.64E-07	2.63E-07	1.59E-07	4.22E-07
5588	563153.56	4235151.17	2.68E-06	2.21E-06	4.89E-06	4.55E-07	3.54E-07	8.09E-07	2.17E-06	1.62E-06	3.79E-06	3.55E-07	3.14E-07	6.69E-07	2.65E-07	1.61E-07	4.25E-07
5589	563399.08	4235139.67	1.16E-06	9.56E-07	2.12E-06	1.97E-07	1.53E-07	3.50E-07	9.36E-07	7.01E-07	1.64E-06	1.53E-07	1.36E-07	2.89E-07	1.15E-07	6.94E-08	1.84E-07
5590	563389.41	4235143.85	1.20E-06	9.88E-07	2.19E-06	2.03E-07	1.58E-07	3.62E-07	9.68E-07	7.25E-07	1.69E-06	1.59E-07	1.41E-07	2.99E-07	1.18E-07	7.18E-08	1.90E-07
5591	563379.74	4235148.04	1.24E-06	1.02E-06	2.26E-06	2.10E-07	1.63E-07	3.74E-07	9.99E-07	7.48E-07	1.75E-06	1.64E-07	1.45E-07	3.09E-07	1.22E-07	7.41E-08	1.96E-07
5592	563370.08	4235152.22	1.28E-06	1.05E-06	2.33E-06	2.17E-07	1.69E-07	3.85E-07	1.03E-06	7.72E-07	1.80E-06	1.69E-07	1.50E-07	3.19E-07	1.26E-07	7.65E-08	2.03E-07
5593	563360.41	4235156.4	1.32E-06	1.09E-06	2.40E-06	2.24E-07	1.74E-07	3.98E-07	1.06E-06	7.96E-07	1.86E-06	1.74E-07	1.54E-07	3.29E-07	1.30E-07	7.89E-08	2.09E-07
5594	563350.74	4235160.59	1.36E-06	1.12E-06	2.48E-06	2.30E-07	1.79E-07	4.10E-07	1.10E-06	8.20E-07	1.92E-06	1.80E-07	1.59E-07	3.39E-07	1.34E-07	8.13E-08	2.15E-07
5595	563341.08	4235164.77	1.40E-06	1.15E-06	2.55E-06	2.37E-07	1.85E-07	4.22E-07	1.13E-06	8.45E-07	1.97E-06	1.85E-07	1.64E-07	3.49E-07	1.38E-07	8.37E-08	2.22E-07
5596	563331.41	4235168.96	1.44E-06	1.19E-06	2.62E-06	2.44E-07	1.90E-07	4.34E-07	1.16E-06	8.70E-07	2.03E-06	1.90E-07	1.69E-07	3.59E-07	1.42E-07	8.61E-08	2.28E-07
5597	563321.74	4235173.14	1.48E-06	1.22E-06	2.70E-06	2.51E-07	1.95E-07	4.47E-07	1.20E-06	8.95E-07	2.09E-06	1.96E-07	1.73E-07	3.69E-07	1.46E-07	8.86E-08	2.35E-07
5598	563312.08	4235177.32	1.52E-06	1.25E-06	2.77E-06	2.58E-07	2.01E-07	4.59E-07	1.23E-06	9.19E-07	2.15E-06	2.01E-07	1.78E-07	3.79E-07	1.50E-07	9.10E-08	2.41E-07
5599	563302.41	4235181.51	1.56E-06	1.29E-06	2.85E-06	2.65E-07	2.06E-07	4.71E-07	1.26E-06	9.44E-07	2.20E-06	2.06E-07	1.83E-07	3.89E-07	1.54E-07	9.35E-08	2.48E-07
5600	563292.74	4235185.69	1.60E-06	1.32E-06	2.92E-06	2.72E-07	2.12E-07	4.83E-07	1.29E-06	9.68E-07	2.26E-06	2.12E-07	1.88E-07	4.00E-07	1.58E-07	9.59E-08	2.54E-07
5601	563283.08	4235189.88	1.64E-06	1.35E-06	2.99E-06	2.78E-07	2.17E-07	4.95E-07	1.33E-06	9.92E-07	2.32E-06	2.17E-07	1.92E-07	4.09E-07	1.62E-07	9.82E-08	2.60E-07
5602	563268.24	4235193.05	1.72E-06	1.42E-06	3.14E-06	2.92E-07	2.27E-07	5.19E-07	1.39E-06	1.04E-06	2.43E-06	2.28E-07	2.02E-07	4.29E-07	1.70E-07	1.03E-07	2.73E-07
5603	563257.9	4235191.03	1.81E-06	1.49E-06	3.30E-06	3.07E-07	2.39E-07	5.45E-07	1.46E-06	1.09E-06	2.55E-06	2.39E-07	2.12E-07	4.51E-07	1.78E-07	1.08E-07	2.87E-07
5604	563247.57	4235189.01	1.89E-06	1.56E-06	3.45E-06	3.21E-07	2.50E-07	5.71E-07	1.53E-06	1.14E-06	2.67E-06	2.50E-07	2.22E-07	4.72E-07	1.87E-07	1.13E-07	3.00E-07
5605	563237.23	4235186.99	1.98E-06	1.63E-06	3.61E-06	3.36E-07	2.61E-07	5.97E-07	1.60E-06	1.20E-06	2.79E-06	2.62E-07	2.32E-07	4.93E-07	1.95E-07	1.18E-07	3.14E-07
5606	563226.89	4235184.96	2.06E-06	1.70E-06	3.76E-06	3.49E-07	2.72E-07	6.21E-07	1.66E-06	1.24E-06	2.91E-06	2.72E-07	2.41E-07	5.14E-07	2.03E-07	1.23E-07	3.27E-07
5607	563216.55	4235182.94	2.14E-06	1.76E-06	3.90E-06	3.62E-07	2.82E-07	6.45E-07	1.72E-06	1.29E-06	3.02E-06	2.82E-07	2.50E-07	5.33E-07	2.11E-07	1.28E-07	3.39E-07
5608	563206.21	4235180.92	2.21E-06	1.82E-06	4.03E-06	3.75E-07	2.92E-07	6.67E-07	1.78E-06	1.34E-06	3.12E-06	2.92E-07	2.59E-07	5.51E-07	2.18E-07	1.32E-07	3.50E-07
5609	563195.88	4235178.9	2.28E-06	1.88E-06	4.15E-06	3.86E-07	3.01E-07	6.87E-07	1.84E-06	1.38E-06	3.21E-06	3.01E-07	2.67E-07	5.68E-07	2.25E-07	1.36E-07	3.61E-07
5610	563185.54	4235176.88	2.33E-06	1.92E-06	4.26E-06	3.96E-07	3.08E-07	7.05E-07	1.89E-06	1.41E-06	3.30E-06	3.09E-07	2.74E-07	5.82E-07	2.31E-07	1.40E-07	3.70E-07
5611	563175.2	4235174.86	2.38E-06	1.96E-06	4.34E-06	4.04E-07	3.15E-07	7.19E-07	1.92E-06	1.44E-06	3.36E-06	3.15E-07	2.79E-07	5.94E-07	2.35E-07	1.43E-07	3.78E-07
5612	563164.86	4235172.84	2.42E-06	1.99E-06	4.41E-06	4.10E-07	3.19E-07	7.29E-07	1.95E-06	1.46E-06	3.41E-06	3.20E-07	2.83E-07	6.03E-07	2.39E-07	1.45E-07	3.83E-07
5613	563154.53	4235170.82	2.44E-06	2.01E-06	4.44E-06	4.13E-07	3.22E-07	7.35E-07	1.97E-06	1.47E-06	3.44E-06	3.22E-07	2.85E-07	6.08E-07	2.41E-07	1.46E-07	3.86E-07
5614	563144.19	4235168.8	2.44E-06	2.01E-06	4.45E-06	4.14E-07	3.22E-07	7.37E-07	1.97E-06	1.48E-06	3.45E-06	3.23E-07	2.86E-07	6.09E-07	2.41E-07	1.46E-07	3.87E-07
5615	563407.93	4235134.13	1.13E-06	9.29E-07	2.06E-06	1.91E-07	1.49E-07	3.40E-07	9.10E-07	6.81E-07	1.59E-06	1.49E-07	1.32E-07	2.81E-07	1.11E-07	6.75E-08	1.79E-07
5616	563412.22	4235154.79	1.05E-06	8.66E-07	1.92E-06	1.78E-07	1.39E-07	3.17E-07	8.49E-07	6.35E-07	1.48E-06	1.39E-07	1.23E-07	2.62E-07	1.04E-07	6.29E-08	1.67E-07
5617	563402.8	4235158.87	1.08E-06	8.93E-07	1.98E-06	1.84E-07	1.43E-07	3.27E-07	8.75E-07	6.55E-07	1.53E-06	1.43E-07	1.27E-07	2.70E-07	1.07E-07	6.49E-08	1.72E-07
5618	563393.37	4235162.95	1.12E-06	9.19E-07	2.04E-06	1.89E-07	1.47E-07	3.37E-07	9.01E-07	6.74E-07	1.58E-06	1.48E-07	1.31E-07	2.78E-07	1.10E-07	6.68E-08	1.77E-07
5619	563383.95	4235167.03	1.15E-06	9.47E-07	2.10E-06	1.95E-07	1.52E-07	3.47E-07	9.29E-07	6.95E-07	1.62E-06	1.52E-07	1.35E-07	2.87E-07	1.14E-07	6.88E-08	1.82E-07
5620	563374.52	4235171.11	1.19E-06	9.76E-07	2.16E-06	2.01E-07	1.57E-07	3.58E-07	9.57E-07	7.16E-07	1.67E-06	1.57E-07	1.39E-07	2.96E-07	1.17E-07	7.09E-08	1.88E-07
5621	563365.1	4235175.19	1.22E-06	1.01E-06	2.23E-06	2.07E-07	1.61E-07	3.68E-07	9.86E-07	7.38E-07	1.72E-06	1.61E-07	1.43E-07	3.04E-07	1.21E-07	7.31E-08	1.94E-07
5622	563355.67	4235179.27	1.25E-06	1.03E-06	2.29E-06	2.13E-07	1.66E-07	3.78E-07	1.01E-06	7.58E-07	1.77E-06	1.66E-07	1.47E-07	3.13E-07	1.24E-07	7.50E-08	1.99E-07
5623	563346.25	4235183.35	1.29E-06	1.06E-06	2.35E-06	2.18E-07	1.70E-07	3.88E-07	1.04E-06	7.77E-07	1.82E-06	1.70E-07	1.51E-07	3.21E-07	1.27E-07	7.70E-08	2.04E-07
5624	563336.82	4235187.43	1.32E-06	1.09E-06	2.41E-06	2.24E-07	1.74E-07	3.98E-07	1.07E-06	7.97E-07	1.86E-06	1.74E-07	1.55E-07	3.29E-07	1.30E-07	7.90E-08	2.09E-07
5625	563327.4	4235191.51	1.35E-06	1.11E-06	2.47E-06	2.30E-07	1.79E-07	4.08E-07	1.09E-06	8.18E-07	1.91E-06	1.79E-07	1.59E-07	3.37E-07	1.34E-07	8.10E-08	2.15E-07
5626	563317.97	4235195.59	1.39E-06	1.14E-06	2.53E-06	2.35E-07	1.83E-07	4.19E-07	1.12E-06	8.38E-07	1.96E-06	1.83E-07	1.63E-07	3.46E-07	1.37E-07	8.30E-08	2.20E-07
5627	563308.55	4235199.67	1.42E-06	1.17E-06	2.59E-06	2.41E-07	1.88E-07	4.29E-07	1.15E-06	8.59E-07	2.01E-06	1.88E-07	1.67E-07	3.55E-07	1.40E-07	8.51E-08	2.25E-07
5628	563299.12	4235203.74	1.46E-06	1.20E-06	2.66E-06	2.47E-07	1.92E-07	4.39E-07	1.18E-06	8.80E-07	2.06E-06	1.93E-07	1.71E-07	3.63E-07	1.44E-07	8.71E-08	2.31E-07
5629	563289.7	4235207.82	1.49E-06	1.23E-06	2.72E-06	2.53E-07	1.97E-07	4.50E-07	1.20E-06	9.00E-07	2.10E-06	1.97E-07	1.75E-07	3.72E-07	1.47E-07	8.92E-08	2.36E-07
5630	563280.27	4235211.9	1.52E-06	1.26E-06	2.78E-06	2.59E-07	2.01E-07	4.60E-07	1.23E-06	9.21E-07	2.15E-06	2.02E-07	1.79E-07	3.80E-07	1.51E-07	9.12E-08	2.42E-07
5631	563270.52	4235212.96	1.58E-06	1.30E-06	2.88E-06	2.68E-07	2.08E-07	4.76E-07	1.27E-06	9.53E-07	2.23E-06	2.09E-07	1.85E-07	3.93E-07	1.56E-07	9.44E-08	2.50E-07
5632	563260.44	4235210.99	1.65E-06	1.36E-06	3.01E-06	2.80E-07	2.18E-07	4.98E-07	1.33E-06	9.97E-07	2.33E-06	2.18E-07	1.93E-07	4.11E-07	1.63E-07	9.87E-08	2.62E-07
5633	563250.36	4235209.02	1.72E-06	1.42E-06	3.14E-06	2.92E-07	2.27E-07	5.20E-07	1.39E-06	1.04E-06	2.43E-06	2.28E-07	2.02E-07	4.30E-07	1.70E-07	1.03E-07	2.73E-07
5634	563240.28	4235207.05	1.80E-06	1.48E-06	3.27E-06	3.05E-07	2.37E-07	5.42E-07	1.45E-06	1.08E-06	2.53E-06	2.37E-07	2.10E-07	4.48E-07	1.77E-07	1.07E-07	2.85E-07
5635	563230.2	4235205.08	1.87E-06	1.54E-06	3.40E-06	3.17E-07	2.47E-07	5.63E-07	1.51E-06	1.13E-06	2.64E-06	2.47E-07	2.19E-07	4.66E-07	1.84E-07	1.12E-07	2.96E-07
5636	563220.12	4235203.11	1.94E-06	1.59E-06	3.53E-06	3.28E-07	2.56E-07	5.84E-07	1.56E-06	1.17E-06	2.73E-06	2.56E-07	2.27E-07	4.83E-07	1.91E-07	1.16E-07	3.07E-07
5637	563210.04	4235201.14	2.00E-06	1.65E-06	3.65E-06	3.39E-07	2.64E-07	6.04E-07	1.62E-06	1.21E-06	2.82E-06	2.65E-07	2.34E-07	4.99E-07	1.98E-07	1.20E-07	3.17E-07
5638	563199.96	4235199.16	2.06E-06	1.70E-06	3.76E-06	3.50E-07	2.72E-07	6.22E-07	1.66E-06	1.25E-06	2.91E-06	2.72E-07	2.41E-07	5.14E-07	2.03E-07	1.23E-07	3.27E-07
5639	563189.89	4235197.19	2.11E-06	1.74E-06	3.85E-06	3.59E-07	2.79E-07	6.38E-07	1.71E-06	1.28E-06	2.98E-06	2.79E-07	2.48E-07	5.27E-07	2.09E-07	1.26E-07	3.35E-07
5640	563179.81	4235195.22	2.16E-06	1.78E-06	3.94E-06	3.66E-07	2.85E-07	6.51E-07	1.74E-06	1.30E-06	3.05E-06	2.85E-07	2.53E-07	5.38E-07	2.13E-07	1.29E-07	3.42E-07
5641	563169.73	4235193.25	2.19E-06	1.81E-06	4.00E-06	3.72E-07	2.90E-07	6.62E-07	1.77E-06	1.33E-06	3.10E-06	2.90E-07	2.57E-07	5.47E-07	2.17E-07	1.31E-07	3.48E-07
5642	563159.65	4235191.28	2.22E-06	1.83E-06	4.04E-06	3.76E-07	2.93E-07	6.69E-07	1.79E-06	1.34E-06	3.13E-06	2.93E-07	2.60E-07	5.53E-07	2.19E-07	1.33E-07	3.52E-07
5643	563149.57	4235189.31	2.23E-06	1.84E-06	4.07E-06	3.78E-07	2.95E-07	6.73E-07	1.80E-06	1.35E-06	3.15E-06	2.95E-07	2.61E-07	5.56E-07	2.20E-07	1.33E-07	3.54E-07
5644	563139.49	4235187.34	2.23E-06	1.84E-06	4.07E-06	3.79E-07	2.95E-07	6.73E-07	1.80E-06	1.35E-06	3.15E-06	2.95E-07	2.61E-07	5.56E-07	2.20E-07	1.34E-07	3.54E-07
5645	563420.96	4235149.3	1.03E-06	8.45E-07	1.87E-06	1.74E-07	1.35E-07	3.09E-07	8.28E-07	6.20E-07	1.45E-06	1.36E-07	1.20E-07	2.56E-07	1.01E-07	6.14E-08	1.63E-07
5646	563425.2	4235169.99	9.58E-07	7.89E-07	1.75E-06	1.62E-07	1.26E-07	2.89E-07	7.73E-07	5.79E-07	1.35E-06	1.27E-07	1.12E-07	2.39E-07	9.46E-08	5.73E-08	1.52E-07
5647	563415.69	4235174.11	9.86E-07	8.12E-07	1.80E-06	1.67E-07	1.30E-07	2.97E-07	7.96E-07	5.96E-07	1.39E-06	1.30E-07	1.16E-07	2.46E-07	9.74E-08	5.90E-08	1.56E-07
5648	563406.17	4235178.23	1.01E-06	8.35E-07	1.85E-06	1.72E-07	1.34E-07	3.06E-07	8.18E-07	6.13E-07	1.43E-06	1.34E-07	1.19E-07	2.53E-07	1.00E-07	6.07E-08	1.61E-07
5649	563396.66	4235182.34	1.04E-06	8.58E-07	1.90E-06	1.77E-07	1.38E-07	3.14E-07	8.41E-07	6.29E-07	1.47E-06	1.38E-07	1.22E-07	2.60E-07	1.03E-07	6.23E-08	1.65E-07
5650	563387.14	4235186.46	1.07E-06	8.83E-07	1.95E-06	1.82E-07	1.41E-07	3.23E-07	8.65E-07	6.47E-07	1.51E-06	1.42E-07	1.26E-07	2.67E-07	1.06E-07	6.41E-08	1.70E-07
5651	563377.63	4235190.58	1.10E-06	9.08E-07	2.01E-06	1.87E-07	1.46E-07	3.33E-07	8.90E-07	6.66E-07	1.56E-06	1.46E-07	1.29E-07	2.75E-07	1.09E-07	6.60E-08	1.75E-07
5652	563368.11	4235194.7	1.13E-06	9.33E-07	2.07E-06	1.92E-07	1.50E-07	3.42E-07	9.15E-07	6.85E-07	1.60E-06	1.50E-07	1.33E-07	2.83E-07	1.12E-07	6.78E-08	1.80E-07
5653	563358.59	4235198.82	1.16E-06	9.58E-07	2.12E-06	1.97E-07	1.54E-07	3.51E-07	9.38E-07	7.02E-07	1.64E-06	1.54E-07	1.36E-07	2.90E-07	1.15E-07	6.96E-08	1.84E-07
5654	563349.08	4235202.94	1.19E-06	9.81E-07	2.17E-06	2.02E-07	1.57E-07	3.59E-07	9.61E-07	7.20E-07	1.68E-06	1.57E-07	1.40E-07	2.97E-07	1.18E-07	7.13E-08	1.89E-07
5655	563339.56	4235207.06	1.22E-06	1.01E-06	2.23E-06	2.07E-07	1.61E-07	3.68E-07	9.85E-07	7.37E-07	1.72E-06	1.61E-07	1.43E-07	3.04E-07	1.20E-07	7.30E-08	1.94E-07
5656	563330.05	4235211.18	1.25E-06	1.03E-06	2.28E-06	2.12E-07	1.65E-07	3.77E-07	1.01E-06	7.55E-07	1.76E-06	1.65E-07	1.46E-07	3.12E-07	1.23E-07	7.48E-08	1.98E-07
5657	563320.53	4235215.29	1.28E-06	1.05E-06	2.33E-06	2.17E-07	1.69E-07	3.86E-07	1.03E-06	7.74E-07	1.81E-06	1.69E-07	1.50E-07	3.19E-07	1.26E-07	7.66E-08	2.03E-07
5658	563311.01	4235219.41	1.31E-06	1.08E-06	2.39E-06	2.22E-07	1.73E-07	3.96E-07	1.06E-06	7.92E-07	1.85E-06	1.73E-07	1.54E-07	3.27E-07	1.29E-07	7.85E-08	2.08E-07
5659	563301.5	4235223.53	1.34E-06	1.11E-06	2.45E-06	2.28E-07	1.77E-07	4.05E-07	1.08E-06	8.11E-07	1.89E-06	1.77E-07	1.57E-07	3.35E-07	1.33E-07	8.03E-08	2.13E-07
5660	563291.98	4235227.65	1.37E-06	1.13E-06	2.51E-06	2.33E-07	1.82E-07	4.15E-07	1.11E-06	8.31E-07	1.94E-06	1.82E-07	1.61E-07	3.43E-07	1.36E-07	8.23E-08	2.18E-07
5661	563282.47	4235231.77	1.41E-06	1.16E-06	2.57E-06	2.39E-07	1.86E-07	4.24E-07	1.14E-06	8.50E-07	1.99E-06	1.86E-07	1.65E-07	3.51E-07	1.39E-07	8.42E-08	2.23E-07
5662	563272.62	4235232.83	1.46E-06	1.20E-06	2.65E-06	2.47E-07	1.92E-07	4.39E-07	1.18E-06	8.80E-07	2.06E-06	1.92E-07	1.71E-07	3.63E-07	1.44E-07	8.71E-08	2.31E-07
5663	563262.45	4235230.84	1.52E-06	1.25E-06	2.77E-06	2.58E-07	2.01E-07	4.59E-07	1.23E-06	9.19E-07	2.15E-06	2.01E-07	1.78E-07	3.79E-07	1.50E-07	9.10E-08	2.41E-07
5664	563252.27	4235228.85	1.59E-06	1.31E-06	2.89E-06	2.69E-07	2.09E-07	4.78E-07	1.28E-06	9.58E-07	2.24E-06	2.10E-07	1.86E-07	3.95E-07	1.57E-07	9.49E-08	2.51E-07
5665	563242.09	4235226.86	1.65E-06	1.36E-06	3.01E-06	2.80E-07	2.18E-07	4.98E-07	1.33E-06	9.97E-07	2.33E-06	2.18E-07	1.93E-07	4.12E-07	1.63E-07	9.88E-08	2.62E-07
5666	563231.92	4235224.88	1.71E-06	1.41E-06	3.13E-06	2.91E-07	2.26E-07	5.17E-07	1.38E-06	1.04E-06	2.42E-06	2.27E-07	2.01E-07	4.27E-07	1.69E-07	1.03E-07	2.72E-07
5667	563221.74	4235222.89	1.78E-06	1.46E-06	3.24E-06	3.01E-07	2.34E-07	5.36E-07	1.43E-06	1.07E-06	2.51E-06	2.35E-07	2.08E-07	4.43E-07	1.75E-07	1.06E-07	2.82E-07
5668	563211.56	4235220.9	1.83E-06	1.51E-06	3.34E-06	3.11E-07	2.42E-07	5.53E-07	1.48E-06	1.11E-06	2.59E-06	2.42E-07	2.15E-07	4.57E-07	1.81E-07	1.10E-07	2.91E-07
5669	563201.39	4235218.91	1.89E-06	1.55E-06	3.44E-06	3.20E-07	2.49E-07	5.69E-07	1.52E-06	1.14E-06	2.66E-06	2.50E-07	2.21E-07	4.71E-07	1.86E-07	1.13E-07	2.99E-07

5670	563191.21	4235216.92	1.93E-06	1.59E-06	3.53E-06	3.28E-07	2.56E-07	5.84E-07	1.56E-06	1.17E-06	2.73E-06	2.56E-07	2.27E-07	4.83E-07	1.91E-07	1.16E-07	3.07E-07
5671	563181.04	4235214.93	1.98E-06	1.63E-06	3.60E-06	3.35E-07	2.61E-07	5.96E-07	1.59E-06	1.19E-06	2.79E-06	2.61E-07	2.31E-07	4.93E-07	1.95E-07	1.18E-07	3.13E-07
5672	563170.86	4235212.94	2.01E-06	1.65E-06	3.66E-06	3.41E-07	2.65E-07	6.06E-07	1.62E-06	1.21E-06	2.84E-06	2.66E-07	2.35E-07	5.01E-07	1.98E-07	1.20E-07	3.19E-07
5673	563160.68	4235210.95	2.03E-06	1.67E-06	3.71E-06	3.45E-07	2.68E-07	6.13E-07	1.64E-06	1.23E-06	2.87E-06	2.69E-07	2.38E-07	5.07E-07	2.01E-07	1.22E-07	3.22E-07
5674	563150.51	4235208.96	2.05E-06	1.69E-06	3.73E-06	3.47E-07	2.70E-07	6.17E-07	1.65E-06	1.24E-06	2.89E-06	2.71E-07	2.40E-07	5.10E-07	2.02E-07	1.22E-07	3.24E-07
5675	563140.33	4235206.97	2.05E-06	1.69E-06	3.74E-06	3.48E-07	2.71E-07	6.18E-07	1.65E-06	1.24E-06	2.89E-06	2.71E-07	2.40E-07	5.11E-07	2.02E-07	1.23E-07	3.25E-07
5676	563130.15	4235204.98	2.04E-06	1.68E-06	3.72E-06	3.46E-07	2.70E-07	6.16E-07	1.65E-06	1.23E-06	2.88E-06	2.70E-07	2.39E-07	5.09E-07	2.02E-07	1.22E-07	3.24E-07
5677	563433.98	4235164.48	9.35E-07	7.70E-07	1.71E-06	1.59E-07	1.23E-07	2.82E-07	7.55E-07	5.65E-07	1.32E-06	1.24E-07	1.10E-07	2.33E-07	9.23E-08	5.60E-08	1.48E-07
5678	563438.19	4235185.18	8.76E-07	7.21E-07	1.60E-06	1.49E-07	1.16E-07	2.64E-07	7.07E-07	5.29E-07	1.24E-06	1.16E-07	1.03E-07	2.18E-07	8.65E-08	5.24E-08	1.39E-07
5679	563428.59	4235189.34	9.00E-07	7.42E-07	1.64E-06	1.53E-07	1.19E-07	2.72E-07	7.27E-07	5.44E-07	1.27E-06	1.19E-07	1.06E-07	2.25E-07	8.89E-08	5.39E-08	1.43E-07
5680	563419	4235193.49	9.25E-07	7.62E-07	1.69E-06	1.57E-07	1.22E-07	2.79E-07	7.47E-07	5.59E-07	1.31E-06	1.22E-07	1.08E-07	2.31E-07	9.13E-08	5.54E-08	1.47E-07
5681	563409.4	4235197.64	9.49E-07	7.82E-07	1.73E-06	1.61E-07	1.25E-07	2.86E-07	7.66E-07	5.74E-07	1.34E-06	1.26E-07	1.11E-07	2.37E-07	9.37E-08	5.68E-08	1.51E-07
5682	563399.81	4235201.8	9.73E-07	8.02E-07	1.78E-06	1.65E-07	1.29E-07	2.94E-07	7.86E-07	5.88E-07	1.37E-06	1.29E-07	1.14E-07	2.43E-07	9.61E-08	5.83E-08	1.54E-07
5683	563390.21	4235205.95	9.98E-07	8.22E-07	1.82E-06	1.69E-07	1.32E-07	3.01E-07	8.06E-07	6.03E-07	1.41E-06	1.32E-07	1.17E-07	2.49E-07	9.86E-08	5.98E-08	1.58E-07
5684	563380.61	4235210.1	1.03E-06	8.45E-07	1.87E-06	1.74E-07	1.36E-07	3.10E-07	8.29E-07	6.20E-07	1.45E-06	1.36E-07	1.20E-07	2.56E-07	1.01E-07	6.14E-08	1.63E-07
5685	563371.02	4235214.26	1.05E-06	8.68E-07	1.92E-06	1.79E-07	1.39E-07	3.18E-07	8.51E-07	6.37E-07	1.49E-06	1.39E-07	1.23E-07	2.63E-07	1.04E-07	6.31E-08	1.67E-07
5686	563361.42	4235218.41	1.08E-06	8.90E-07	1.97E-06	1.83E-07	1.43E-07	3.26E-07	8.72E-07	6.53E-07	1.52E-06	1.43E-07	1.27E-07	2.69E-07	1.07E-07	6.46E-08	1.71E-07
5687	563351.83	4235222.56	1.11E-06	9.11E-07	2.02E-06	1.88E-07	1.46E-07	3.34E-07	8.92E-07	6.68E-07	1.56E-06	1.46E-07	1.30E-07	2.76E-07	1.09E-07	6.62E-08	1.75E-07
5688	563342.23	4235226.72	1.13E-06	9.32E-07	2.06E-06	1.92E-07	1.49E-07	3.41E-07	9.13E-07	6.84E-07	1.60E-06	1.50E-07	1.33E-07	2.82E-07	1.12E-07	6.77E-08	1.79E-07
5689	563332.64	4235230.87	1.16E-06	9.54E-07	2.11E-06	1.96E-07	1.53E-07	3.49E-07	9.35E-07	7.00E-07	1.63E-06	1.53E-07	1.36E-07	2.89E-07	1.14E-07	6.93E-08	1.84E-07
5690	563323.04	4235235.02	1.19E-06	9.76E-07	2.16E-06	2.01E-07	1.57E-07	3.58E-07	9.57E-07	7.16E-07	1.67E-06	1.57E-07	1.39E-07	2.96E-07	1.17E-07	7.09E-08	1.88E-07
5691	563313.44	4235239.18	1.21E-06	9.99E-07	2.21E-06	2.06E-07	1.60E-07	3.66E-07	9.80E-07	7.33E-07	1.71E-06	1.60E-07	1.42E-07	3.03E-07	1.20E-07	7.26E-08	1.92E-07
5692	563303.85	4235243.33	1.24E-06	1.02E-06	2.27E-06	2.11E-07	1.64E-07	3.75E-07	1.00E-06	7.51E-07	1.75E-06	1.64E-07	1.46E-07	3.10E-07	1.23E-07	7.43E-08	1.97E-07
5693	563294.25	4235247.48	1.27E-06	1.05E-06	2.32E-06	2.16E-07	1.68E-07	3.84E-07	1.03E-06	7.69E-07	1.80E-06	1.68E-07	1.49E-07	3.17E-07	1.26E-07	7.61E-08	2.02E-07
5694	563284.66	4235251.63	1.30E-06	1.07E-06	2.37E-06	2.21E-07	1.72E-07	3.92E-07	1.05E-06	7.86E-07	1.84E-06	1.72E-07	1.52E-07	3.24E-07	1.28E-07	7.79E-08	2.06E-07
5695	563274.73	4235252.71	1.34E-06	1.11E-06	2.45E-06	2.28E-07	1.77E-07	4.05E-07	1.08E-06	8.12E-07	1.90E-06	1.78E-07	1.57E-07	3.35E-07	1.33E-07	8.04E-08	2.13E-07
5696	563264.47	4235250.7	1.40E-06	1.15E-06	2.56E-06	2.38E-07	1.85E-07	4.23E-07	1.13E-06	8.47E-07	1.98E-06	1.85E-07	1.64E-07	3.50E-07	1.38E-07	8.39E-08	2.22E-07
5697	563254.21	4235248.7	1.46E-06	1.20E-06	2.66E-06	2.48E-07	1.93E-07	4.41E-07	1.18E-06	8.83E-07	2.06E-06	1.93E-07	1.71E-07	3.64E-07	1.44E-07	8.74E-08	2.32E-07
5698	563243.94	4235246.69	1.52E-06	1.25E-06	2.77E-06	2.58E-07	2.01E-07	4.58E-07	1.23E-06	9.18E-07	2.14E-06	2.01E-07	1.78E-07	3.79E-07	1.50E-07	9.09E-08	2.41E-07
5699	563233.68	4235244.68	1.58E-06	1.30E-06	2.88E-06	2.67E-07	2.08E-07	4.76E-07	1.27E-06	9.53E-07	2.23E-06	2.08E-07	1.85E-07	3.93E-07	1.56E-07	9.44E-08	2.50E-07
5700	563223.42	4235242.68	1.63E-06	1.34E-06	2.98E-06	2.77E-07	2.16E-07	4.92E-07	1.32E-06	9.86E-07	2.30E-06	2.16E-07	1.91E-07	4.07E-07	1.61E-07	9.77E-08	2.59E-07
5701	563213.16	4235240.67	1.68E-06	1.39E-06	3.07E-06	2.86E-07	2.23E-07	5.08E-07	1.36E-06	1.02E-06	2.38E-06	2.23E-07	1.97E-07	4.20E-07	1.66E-07	1.01E-07	2.67E-07
5702	563202.9	4235238.67	1.73E-06	1.43E-06	3.16E-06	2.94E-07	2.29E-07	5.23E-07	1.40E-06	1.05E-06	2.45E-06	2.29E-07	2.03E-07	4.32E-07	1.71E-07	1.04E-07	2.75E-07
5703	563192.63	4235236.66	1.78E-06	1.46E-06	3.24E-06	3.02E-07	2.35E-07	5.37E-07	1.44E-06	1.07E-06	2.51E-06	2.35E-07	2.08E-07	4.43E-07	1.76E-07	1.06E-07	2.82E-07
5704	563182.37	4235234.65	1.82E-06	1.50E-06	3.31E-06	3.08E-07	2.40E-07	5.48E-07	1.47E-06	1.10E-06	2.56E-06	2.40E-07	2.13E-07	4.53E-07	1.79E-07	1.09E-07	2.88E-07
5705	563172.11	4235232.65	1.85E-06	1.52E-06	3.37E-06	3.13E-07	2.44E-07	5.57E-07	1.49E-06	1.12E-06	2.61E-06	2.44E-07	2.16E-07	4.61E-07	1.82E-07	1.11E-07	2.93E-07
5706	563161.85	4235230.64	1.87E-06	1.54E-06	3.41E-06	3.17E-07	2.47E-07	5.64E-07	1.51E-06	1.13E-06	2.64E-06	2.47E-07	2.19E-07	4.66E-07	1.85E-07	1.12E-07	2.97E-07
5707	563151.59	4235228.64	1.88E-06	1.55E-06	3.43E-06	3.20E-07	2.49E-07	5.68E-07	1.52E-06	1.14E-06	2.66E-06	2.49E-07	2.21E-07	4.70E-07	1.86E-07	1.13E-07	2.99E-07
5708	563141.33	4235226.63	1.88E-06	1.55E-06	3.44E-06	3.20E-07	2.49E-07	5.68E-07	1.52E-06	1.14E-06	2.66E-06	2.49E-07	2.21E-07	4.70E-07	1.86E-07	1.13E-07	2.99E-07
5709	563131.06	4235224.62	1.88E-06	1.55E-06	3.42E-06	3.18E-07	2.48E-07	5.66E-07	1.51E-06	1.13E-06	2.65E-06	2.48E-07	2.20E-07	4.68E-07	1.85E-07	1.12E-07	2.97E-07
5710	563120.8	4235222.62	1.86E-06	1.53E-06	3.39E-06	3.15E-07	2.45E-07	5.61E-07	1.50E-06	1.12E-06	2.62E-06	2.46E-07	2.18E-07	4.64E-07	1.84E-07	1.11E-07	2.95E-07
5711	563447.01	4235179.66	8.56E-07	7.05E-07	1.56E-06	1.45E-07	1.13E-07	2.58E-07	6.91E-07	5.17E-07	1.21E-06	1.13E-07	1.00E-07	2.13E-07	8.45E-08	5.12E-08	1.36E-07
5712	563464.3	4235215.51	7.41E-07	6.10E-07	1.35E-06	1.26E-07	9.78E-08	2.23E-07	5.98E-07	4.48E-07	1.05E-06	9.79E-08	8.68E-08	1.85E-07	7.31E-08	4.43E-08	1.17E-07
5713	563454.82	4235219.62	7.60E-07	6.26E-07	1.39E-06	1.29E-07	1.00E-07	2.29E-07	6.13E-07	4.59E-07	1.07E-06	1.00E-07	8.90E-08	1.89E-07	7.50E-08	4.55E-08	1.20E-07
5714	563445.34	4235223.72	7.78E-07	6.41E-07	1.42E-06	1.32E-07	1.03E-07	2.35E-07	6.28E-07	4.70E-07	1.10E-06	1.03E-07	9.12E-08	1.94E-07	7.69E-08	4.66E-08	1.23E-07
5715	563435.85	4235227.82	7.97E-07	6.56E-07	1.45E-06	1.35E-07	1.05E-07	2.40E-07	6.43E-07	4.82E-07	1.12E-06	1.05E-07	9.34E-08	1.99E-07	7.87E-08	4.77E-08	1.26E-07
5716	563426.37	4235231.93	8.15E-07	6.71E-07	1.49E-06	1.38E-07	1.08E-07	2.46E-07	6.58E-07	4.92E-07	1.15E-06	1.08E-07	9.55E-08	2.03E-07	8.05E-08	4.88E-08	1.29E-07
5717	563416.89	4235236.03	8.35E-07	6.88E-07	1.52E-06	1.42E-07	1.10E-07	2.52E-07	6.74E-07	5.05E-07	1.18E-06	1.10E-07	9.78E-08	2.08E-07	8.24E-08	5.00E-08	1.32E-07
5718	563407.41	4235240.13	8.56E-07	7.05E-07	1.56E-06	1.45E-07	1.13E-07	2.58E-07	6.91E-07	5.17E-07	1.21E-06	1.13E-07	1.00E-07	2.13E-07	8.45E-08	5.12E-08	1.36E-07
5719	563397.93	4235244.24	8.76E-07	7.22E-07	1.60E-06	1.49E-07	1.16E-07	2.64E-07	7.08E-07	5.30E-07	1.24E-06	1.16E-07	1.03E-07	2.19E-07	8.66E-08	5.25E-08	1.39E-07
5720	563388.45	4235248.34	8.96E-07	7.38E-07	1.63E-06	1.52E-07	1.18E-07	2.70E-07	7.23E-07	5.41E-07	1.26E-06	1.18E-07	1.05E-07	2.23E-07	8.84E-08	5.36E-08	1.42E-07
5721	563378.97	4235252.44	9.14E-07	7.53E-07	1.67E-06	1.55E-07	1.21E-07	2.76E-07	7.38E-07	5.53E-07	1.29E-06	1.21E-07	1.07E-07	2.28E-07	9.03E-08	5.47E-08	1.45E-07
5722	563369.49	4235256.55	9.33E-07	7.69E-07	1.70E-06	1.58E-07	1.23E-07	2.82E-07	7.54E-07	5.64E-07	1.32E-06	1.23E-07	1.09E-07	2.33E-07	9.22E-08	5.59E-08	1.48E-07
5723	563360.01	4235260.65	9.53E-07	7.85E-07	1.74E-06	1.62E-07	1.26E-07	2.88E-07	7.70E-07	5.76E-07	1.35E-06	1.26E-07	1.12E-07	2.38E-07	9.41E-08	5.71E-08	1.51E-07
5724	563350.53	4235264.76	9.74E-07	8.02E-07	1.78E-06	1.65E-07	1.29E-07	2.94E-07	7.86E-07	5.88E-07	1.37E-06	1.29E-07	1.14E-07	2.43E-07	9.61E-08	5.83E-08	1.54E-07
5725	563341.05	4235268.86	9.95E-07	8.20E-07	1.82E-06	1.69E-07	1.31E-07	3.00E-07	8.04E-07	6.01E-07	1.41E-06	1.32E-07	1.17E-07	2.48E-07	9.83E-08	5.96E-08	1.58E-07
5726	563331.56	4235272.96	1.02E-06	8.39E-07	1.86E-06	1.73E-07	1.34E-07	3.07E-07	8.22E-07	6.15E-07	1.44E-06	1.35E-07	1.19E-07	2.54E-07	1.01E-07	6.09E-08	1.62E-07
5727	563322.08	4235277.07	1.04E-06	8.59E-07	1.90E-06	1.77E-07	1.38E-07	3.15E-07	8.42E-07	6.30E-07	1.47E-06	1.38E-07	1.22E-07	2.60E-07	1.03E-07	6.24E-08	1.65E-07
5728	563312.6	4235281.17	1.07E-06	8.78E-07	1.94E-06	1.81E-07	1.41E-07	3.22E-07	8.61E-07	6.44E-07	1.51E-06	1.41E-07	1.25E-07	2.66E-07	1.05E-07	6.38E-08	1.69E-07
5729	563303.12	4235285.27	1.09E-06	8.97E-07	1.99E-06	1.85E-07	1.44E-07	3.29E-07	8.80E-07	6.58E-07	1.54E-06	1.44E-07	1.28E-07	2.72E-07	1.08E-07	6.52E-08	1.73E-07
5730	563293.64	4235289.38	1.11E-06	9.16E-07	2.03E-06	1.89E-07	1.47E-07	3.36E-07	8.98E-07	6.72E-07	1.57E-06	1.47E-07	1.30E-07	2.77E-07	1.10E-07	6.66E-08	1.76E-07
5731	563279.09	4235292.49	1.16E-06	9.55E-07	2.11E-06	1.97E-07	1.53E-07	3.50E-07	9.36E-07	7.00E-07	1.64E-06	1.53E-07	1.36E-07	2.89E-07	1.14E-07	6.94E-08	1.84E-07
5732	563268.95	4235290.51	1.21E-06	9.93E-07	2.20E-06	2.05E-07	1.59E-07	3.64E-07	9.73E-07	7.28E-07	1.70E-06	1.59E-07	1.41E-07	3.01E-07	1.19E-07	7.21E-08	1.91E-07
5733	563258.81	4235288.52	1.25E-06	1.03E-06	2.28E-06	2.12E-07	1.65E-07	3.77E-07	1.01E-06	7.56E-07	1.77E-06	1.65E-07	1.47E-07	3.12E-07	1.24E-07	7.49E-08	1.98E-07
5734	563248.67	4235286.54	1.30E-06	1.07E-06	2.36E-06	2.20E-07	1.71E-07	3.91E-07	1.05E-06	7.83E-07	1.83E-06	1.71E-07	1.52E-07	3.23E-07	1.28E-07	7.76E-08	2.06E-07
5735	563238.53	4235284.56	1.34E-06	1.10E-06	2.45E-06	2.27E-07	1.77E-07	4.05E-07	1.08E-06	8.10E-07	1.89E-06	1.77E-07	1.57E-07	3.34E-07	1.32E-07	8.03E-08	2.13E-07
5736	563228.4	4235282.58	1.38E-06	1.14E-06	2.52E-06	2.35E-07	1.83E-07	4.18E-07	1.12E-06	8.36E-07	1.95E-06	1.83E-07	1.62E-07	3.45E-07	1.37E-07	8.28E-08	2.19E-07
5737	563218.26	4235280.6	1.43E-06	1.17E-06	2.60E-06	2.42E-07	1.88E-07	4.30E-07	1.15E-06	8.61E-07	2.01E-06	1.88E-07	1.67E-07	3.55E-07	1.41E-07	8.53E-08	2.26E-07
5738	563208.12	4235278.61	1.46E-06	1.21E-06	2.67E-06	2.48E-07	1.93E-07	4.42E-07	1.18E-06	8.84E-07	2.07E-06	1.94E-07	1.72E-07	3.65E-07	1.45E-07	8.76E-08	2.32E-07
5739	563197.98	4235276.63	1.50E-06	1.23E-06	2.73E-06	2.54E-07	1.98E-07	4.52E-07	1.21E-06	9.06E-07	2.12E-06	1.98E-07	1.76E-07	3.74E-07	1.48E-07	8.97E-08	2.38E-07
5740	563187.84	4235274.65	1.53E-06	1.26E-06	2.79E-06	2.60E-07	2.02E-07	4.62E-07	1.24E-06	9.25E-07	2.16E-06	2.02E-07	1.79E-07	3.82E-07	1.51E-07	9.16E-08	2.43E-07
5741	563177.7	4235272.67	1.56E-06	1.28E-06	2.84E-06	2.64E-07	2.06E-07	4.70E-07	1.26E-06	9.41E-07	2.20E-06	2.06E-07	1.82E-07	3.88E-07	1.54E-07	9.32E-08	2.47E-07
5742	563167.56	4235270.69	1.58E-06	1.30E-06	2.88E-06	2.68E-07	2.08E-07	4.76E-07	1.27E-06	9.54E-07	2.23E-06	2.09E-07	1.85E-07	3.94E-07	1.56E-07	9.44E-08	2.50E-07
5743	563157.42	4235268.7	1.59E-06	1.31E-06	2.91E-06	2.70E-07	2.10E-07	4.81E-07	1.29E-06	9.63E-07	2.25E-06	2.11E-07	1.87E-07	3.98E-07	1.57E-07	9.54E-08	2.53E-07
5744	563147.28	4235266.72	1.60E-06	1.32E-06	2.92E-06	2.72E-07	2.12E-07	4.84E-07	1.29E-06	9.69E-07	2.26E-06	2.12E-07	1.88E-07	4.00E-07	1.58E-07	9.60E-08	2.54E-07
5745	563137.14	4235264.74	1.61E-06	1.32E-06	2.93E-06	2.73E-07	2.12E-07	4.85E-07	1.30E-06	9.71E-07	2.27E-06	2.12E-07	1.88E-07	4.01E-07	1.59E-07	9.62E-08	2.55E-07
5746	563127.01	4235262.76	1.60E-06	1.32E-06	2.92E-06	2.72E-07	2.12E-07	4.84E-07	1.29E-06	9.69E-07	2.26E-06	2.12E-07	1.88E-07	4.00E-07	1.58E-07	9.59E-08	2.54E-07
5747	563116.87	4235260.77	1.59E-06	1.31E-06	2.90E-06	2.70E-07	2.10E-07	4.80E-07	1.29E-06	9.62E-07	2.25E-06	2.11E-07	1.87E-07	3.97E-07	1.57E-07	9.53E-08	2.53E-07
5748	563106.73	4235258.79	1.57E-06	1.30E-06	2.87E-06	2.67E-07	2.08E-07	4.75E-07	1.27E-06	9.52E-07	2.22E-06	2.08E-07	1.85E-07	3.93E-07	1.56E-07	9.43E-08	2.50E-07
5749	563096.59	4235256.81	1.55E-06	1.28E-06	2.83E-06	2.63E-07	2.05E-07	4.68E-07	1.25E-06	9.37E-07	2.19E-06	2.05E-07	1.82E-07	3.87E-07	1.53E-07	9.28E-08	2.46E-07
5750	563490.28	4235245.9	6.37E-07	5.25E-07	1.16E-06	1.08E-07	8.42E-08	1.92E-07	5.15E-07	3.85E-07	9.00E-07	8.43E-08	7.47E-08	1.59E-07	6.30E-08	3.82E-08	1.01E-07
5751	563480.67	4235250.06	6.54E-07	5.39E-07	1.19E-06	1.11E-07	8.63E-08	1.97E-07	5.28E-07	3.95E-07	9.23E-07	8.65E-08	7.66E-08	1.63E-07	6.46E-08	3.91E-08	1.04E-07
5752	563471.06	4235254.21	6.70E-07	5.52E-07	1.22E-06	1.14E-07	8.85E-08	2.02E-07	5.41E-07	4.05E-07	9.46E-07	8.86E-08	7.85E-08	1.67E-07	6.62E-08	4.01E-08	1.06E-07
5753	563461.45	4235258.37	6.86E-07	5.65E-07	1.25E-06	1.16E-07	9.05E-08	2.07E-07	5.54E-07	4.14E-07	9.68E-07	9.07E-08	8.03E-08	1.71E-07	6.77E-08	4.10E-08	1.09E-07
5754	563451.84	4235262.53	7.01E-07	5.78E-07	1.28E-06	1.19E-07	9.26E-08	2.12E-07	5.66E-07	4.24E-07	9.90E-07	9.27E-08	8.21E-08	1.75E-07	6.92E-08	4.20E-08	1.11E-07
5755	563442.23	4235266.69	7.16E-07	5.90E-07	1.31E-06	1.22E-07	9.46E-08	2.16E-07	5.78E-07	4.33E-07	1.01E-06	9.47E-08	8.39E-08	1.79E-07	7.07E-08	4.29E-08	1.14E-07
5756	563432.62	4235270.85	7.31E-07	6.02E-07	1.33E-06	1.24E-07	9.66E-08	2.21E-07	5.90E-07	4.42E-07	1.03E-06	9.67E-08	8.57E-08	1.82E-07	7.22E-08	4.38E-08	1.16E-07
5757	563423.01	4235275.01	7.46E-07	6.15E-07	1.36E-06	1.27E-07	9.86E-08	2.25E-07	6.03E-07	4.51E-07	1.05E-06	9.87E-08	8.75E-08	1.86E-07	7.37E-08	4.47E-08	1.18E-07
5758	563413.4	4235279.17	7.61E-07	6.27E-07	1.39E-06	1.29E-07	1.01E-07	2.30E-07	6.15E-07	4.60E-07	1.07E-06	1.01E-07	8.92E-08	1.90E-07	7.52E-08	4.56E-08	1.21E-07
5759	563403.79	4235283.33	7.77E-07	6.40E-07	1.42E-06	1.32E-07	1.03E-07	2.34E-07	6.27E-07	4.69E-07	1.10E-06	1.03E-07	9.10E-08	1.94E-07	7.67E-08	4.65E-08	1.23E-07
5760	563394.18	4235287.49	7.93E-07	6.53E-07	1.45E-06	1.34E-07	1.05E-07	2.39E-07	6.40E-07	4.79E-07	1.12E-06	1.05E-07	9.29E-08	1.98E-07	7.83E-08	4.74E-08	1.26E-07
5761	563384.57	4235291.65	8.09E-07	6.66E-07	1.47E-06	1.37E-07	1.07E-07	2.44E-07	6.53E-07	4.89E-07	1.14E-06	1.07E-07	9.48E-08	2.02E-07	7.99E-08	4.84E-08	1.28E-07
5762	563374.96	4235295.81	8.25E-07	6.80E-07	1.51E-06	1.40E-07	1.09E-07	2.49E-07	6.66E-07	4.99E-07	1.17E-06	1.09E-07	9.67E-08	2.06E-07	8.15E-08	4.94E-08	1.31E-07

5763	563365.34	4235299.97	8.44E-07	6.95E-07	1.54E-06	1.43E-07	1.11E-07	2.55E-07	6.81E-07	5.10E-07	1.19E-06	1.12E-07	9.89E-08	2.10E-07	8.33E-08	5.05E-08	1.34E-07
5764	563355.73	4235304.13	8.62E-07	7.10E-07	1.57E-06	1.46E-07	1.14E-07	2.60E-07	6.96E-07	5.21E-07	1.22E-06	1.14E-07	1.01E-07	2.15E-07	8.51E-08	5.16E-08	1.37E-07
5765	563346.12	4235308.29	8.80E-07	7.25E-07	1.61E-06	1.49E-07	1.16E-07	2.66E-07	7.11E-07	5.32E-07	1.24E-06	1.16E-07	1.03E-07	2.20E-07	8.69E-08	5.27E-08	1.40E-07
5766	563336.51	4235312.45	8.98E-07	7.40E-07	1.64E-06	1.52E-07	1.19E-07	2.71E-07	7.25E-07	5.43E-07	1.27E-06	1.19E-07	1.05E-07	2.24E-07	8.87E-08	5.38E-08	1.42E-07
5767	563326.9	4235316.61	9.17E-07	7.55E-07	1.67E-06	1.56E-07	1.21E-07	2.77E-07	7.40E-07	5.54E-07	1.29E-06	1.21E-07	1.07E-07	2.29E-07	9.06E-08	5.49E-08	1.45E-07
5768	563317.29	4235320.77	9.36E-07	7.71E-07	1.71E-06	1.59E-07	1.24E-07	2.82E-07	7.56E-07	5.66E-07	1.32E-06	1.24E-07	1.10E-07	2.34E-07	9.25E-08	5.60E-08	1.48E-07
5769	563307.68	4235324.93	9.55E-07	7.87E-07	1.74E-06	1.62E-07	1.26E-07	2.88E-07	7.71E-07	5.77E-07	1.35E-06	1.26E-07	1.12E-07	2.38E-07	9.43E-08	5.72E-08	1.51E-07
5770	563298.07	4235329.09	9.74E-07	8.02E-07	1.78E-06	1.65E-07	1.29E-07	2.94E-07	7.86E-07	5.88E-07	1.37E-06	1.29E-07	1.14E-07	2.43E-07	9.61E-08	5.83E-08	1.54E-07
5771	563283.32	4235332.24	1.01E-06	8.32E-07	1.84E-06	1.71E-07	1.33E-07	3.05E-07	8.15E-07	6.10E-07	1.43E-06	1.34E-07	1.18E-07	2.52E-07	9.97E-08	6.04E-08	1.60E-07
5772	563273.04	4235330.23	1.05E-06	8.62E-07	1.91E-06	1.78E-07	1.38E-07	3.16E-07	8.45E-07	6.33E-07	1.48E-06	1.38E-07	1.23E-07	2.61E-07	1.03E-07	6.27E-08	1.66E-07
5773	563262.77	4235328.22	1.09E-06	8.95E-07	1.98E-06	1.84E-07	1.43E-07	3.28E-07	8.77E-07	6.57E-07	1.53E-06	1.44E-07	1.27E-07	2.71E-07	1.07E-07	6.50E-08	1.72E-07
5774	563252.49	4235326.22	1.13E-06	9.28E-07	2.05E-06	1.91E-07	1.49E-07	3.40E-07	9.09E-07	6.81E-07	1.59E-06	1.49E-07	1.32E-07	2.81E-07	1.11E-07	6.74E-08	1.79E-07
5775	563242.21	4235324.21	1.17E-06	9.60E-07	2.13E-06	1.98E-07	1.54E-07	3.52E-07	9.41E-07	7.04E-07	1.65E-06	1.54E-07	1.37E-07	2.91E-07	1.15E-07	6.97E-08	1.85E-07
5776	563231.93	4235322.2	1.20E-06	9.89E-07	2.19E-06	2.04E-07	1.59E-07	3.62E-07	9.70E-07	7.26E-07	1.70E-06	1.59E-07	1.41E-07	3.00E-07	1.19E-07	7.19E-08	1.90E-07
5777	563221.65	4235320.19	1.24E-06	1.02E-06	2.25E-06	2.10E-07	1.63E-07	3.73E-07	9.97E-07	7.46E-07	1.74E-06	1.63E-07	1.45E-07	3.08E-07	1.22E-07	7.39E-08	1.96E-07
5778	563211.38	4235318.18	1.27E-06	1.04E-06	2.31E-06	2.15E-07	1.67E-07	3.82E-07	1.02E-06	7.66E-07	1.79E-06	1.68E-07	1.49E-07	3.16E-07	1.25E-07	7.58E-08	2.01E-07
5779	563201.1	4235316.17	1.30E-06	1.07E-06	2.37E-06	2.20E-07	1.71E-07	3.91E-07	1.05E-06	7.84E-07	1.83E-06	1.72E-07	1.52E-07	3.24E-07	1.28E-07	7.76E-08	2.06E-07
5780	563190.82	4235314.16	1.32E-06	1.09E-06	2.41E-06	2.25E-07	1.75E-07	3.99E-07	1.07E-06	8.00E-07	1.87E-06	1.75E-07	1.55E-07	3.30E-07	1.31E-07	7.92E-08	2.10E-07
5781	563180.54	4235312.15	1.35E-06	1.11E-06	2.46E-06	2.29E-07	1.78E-07	4.07E-07	1.09E-06	8.14E-07	1.90E-06	1.78E-07	1.58E-07	3.36E-07	1.33E-07	8.06E-08	2.14E-07
5782	563170.27	4235310.14	1.37E-06	1.13E-06	2.49E-06	2.32E-07	1.81E-07	4.12E-07	1.10E-06	8.26E-07	1.93E-06	1.81E-07	1.60E-07	3.41E-07	1.35E-07	8.18E-08	2.17E-07
5783	563159.99	4235308.13	1.38E-06	1.14E-06	2.52E-06	2.34E-07	1.83E-07	4.17E-07	1.12E-06	8.35E-07	1.95E-06	1.83E-07	1.62E-07	3.45E-07	1.36E-07	8.27E-08	2.19E-07
5784	563149.71	4235306.12	1.39E-06	1.15E-06	2.54E-06	2.36E-07	1.84E-07	4.20E-07	1.12E-06	8.42E-07	1.97E-06	1.84E-07	1.63E-07	3.47E-07	1.38E-07	8.34E-08	2.21E-07
5785	563139.43	4235304.11	1.40E-06	1.15E-06	2.55E-06	2.37E-07	1.85E-07	4.22E-07	1.13E-06	8.45E-07	1.97E-06	1.85E-07	1.64E-07	3.49E-07	1.38E-07	8.37E-08	2.22E-07
5786	563129.16	4235302.1	1.40E-06	1.15E-06	2.55E-06	2.37E-07	1.85E-07	4.22E-07	1.13E-06	8.45E-07	1.97E-06	1.85E-07	1.64E-07	3.49E-07	1.38E-07	8.37E-08	2.22E-07
5787	563118.88	4235300.1	1.39E-06	1.15E-06	2.54E-06	2.36E-07	1.84E-07	4.21E-07	1.13E-06	8.42E-07	1.97E-06	1.84E-07	1.63E-07	3.48E-07	1.38E-07	8.34E-08	2.21E-07
5788	563108.6	4235298.09	1.38E-06	1.14E-06	2.52E-06	2.35E-07	1.83E-07	4.17E-07	1.12E-06	8.36E-07	1.95E-06	1.83E-07	1.62E-07	3.45E-07	1.37E-07	8.28E-08	2.19E-07
5789	563098.32	4235296.08	1.37E-06	1.13E-06	2.49E-06	2.32E-07	1.81E-07	4.13E-07	1.10E-06	8.27E-07	1.93E-06	1.81E-07	1.60E-07	3.41E-07	1.35E-07	8.19E-08	2.17E-07
5790	563088.05	4235294.07	1.35E-06	1.11E-06	2.46E-06	2.29E-07	1.78E-07	4.07E-07	1.09E-06	8.14E-07	1.90E-06	1.78E-07	1.58E-07	3.36E-07	1.33E-07	8.06E-08	2.14E-07
5791	563077.77	4235292.06	1.32E-06	1.09E-06	2.41E-06	2.24E-07	1.75E-07	3.99E-07	1.07E-06	7.99E-07	1.87E-06	1.75E-07	1.55E-07	3.30E-07	1.31E-07	7.91E-08	2.10E-07
5792	563516.28	4235276.27	5.61E-07	4.62E-07	1.02E-06	9.52E-08	7.41E-08	1.69E-07	4.53E-07	3.39E-07	7.92E-07	7.42E-08	6.58E-08	1.40E-07	5.54E-08	3.36E-08	8.90E-08
5793	563506.56	4235280.48	5.75E-07	4.74E-07	1.05E-06	9.76E-08	7.59E-08	1.74E-07	4.64E-07	3.48E-07	8.12E-07	7.60E-08	6.74E-08	1.43E-07	5.68E-08	3.44E-08	9.12E-08
5794	563496.84	4235284.69	5.88E-07	4.84E-07	1.07E-06	9.97E-08	7.76E-08	1.77E-07	4.75E-07	3.55E-07	8.30E-07	7.77E-08	6.89E-08	1.47E-07	5.80E-08	3.52E-08	9.32E-08
5795	563487.12	4235288.89	6.00E-07	4.94E-07	1.09E-06	1.02E-07	7.92E-08	1.81E-07	4.84E-07	3.62E-07	8.46E-07	7.93E-08	7.03E-08	1.50E-07	5.92E-08	3.59E-08	9.51E-08
5796	563477.41	4235293.1	6.11E-07	5.04E-07	1.12E-06	1.04E-07	8.08E-08	1.85E-07	4.94E-07	3.70E-07	8.63E-07	8.09E-08	7.17E-08	1.53E-07	6.04E-08	3.66E-08	9.70E-08
5797	563467.69	4235297.3	6.24E-07	5.14E-07	1.14E-06	1.06E-07	8.24E-08	1.88E-07	5.04E-07	3.77E-07	8.81E-07	8.25E-08	7.31E-08	1.56E-07	6.16E-08	3.74E-08	9.90E-08
5798	563457.97	4235301.51	6.37E-07	5.25E-07	1.16E-06	1.08E-07	8.41E-08	1.92E-07	5.14E-07	3.85E-07	8.99E-07	8.42E-08	7.47E-08	1.59E-07	6.29E-08	3.81E-08	1.01E-07
5799	563448.25	4235305.72	6.50E-07	5.35E-07	1.19E-06	1.10E-07	8.58E-08	1.96E-07	5.25E-07	3.93E-07	9.18E-07	8.59E-08	7.62E-08	1.62E-07	6.42E-08	3.89E-08	1.03E-07
5800	563438.53	4235309.92	6.63E-07	5.46E-07	1.21E-06	1.12E-07	8.75E-08	2.00E-07	5.35E-07	4.01E-07	9.36E-07	8.76E-08	7.77E-08	1.65E-07	6.54E-08	3.97E-08	1.05E-07
5801	563428.81	4235314.13	6.76E-07	5.57E-07	1.23E-06	1.15E-07	8.92E-08	2.04E-07	5.45E-07	4.08E-07	9.54E-07	8.93E-08	7.92E-08	1.69E-07	6.67E-08	4.04E-08	1.07E-07
5802	563419.1	4235318.34	6.89E-07	5.68E-07	1.26E-06	1.17E-07	9.10E-08	2.08E-07	5.56E-07	4.17E-07	9.73E-07	9.11E-08	8.08E-08	1.72E-07	6.81E-08	4.13E-08	1.09E-07
5803	563409.38	4235322.54	7.04E-07	5.80E-07	1.28E-06	1.19E-07	9.30E-08	2.13E-07	5.69E-07	4.26E-07	9.94E-07	9.31E-08	8.25E-08	1.76E-07	6.95E-08	4.22E-08	1.12E-07
5804	563399.66	4235326.75	7.20E-07	5.93E-07	1.31E-06	1.22E-07	9.51E-08	2.17E-07	5.81E-07	4.35E-07	1.02E-06	9.52E-08	8.43E-08	1.80E-07	7.11E-08	4.31E-08	1.14E-07
5805	563389.94	4235330.95	7.34E-07	6.04E-07	1.34E-06	1.24E-07	9.69E-08	2.21E-07	5.92E-07	4.43E-07	1.04E-06	9.70E-08	8.60E-08	1.83E-07	7.24E-08	4.39E-08	1.16E-07
5806	563380.22	4235335.16	7.47E-07	6.16E-07	1.36E-06	1.27E-07	9.87E-08	2.25E-07	6.03E-07	4.52E-07	1.05E-06	9.88E-08	8.75E-08	1.86E-07	7.38E-08	4.47E-08	1.18E-07
5807	563370.51	4235339.37	7.62E-07	6.28E-07	1.39E-06	1.29E-07	1.01E-07	2.30E-07	6.15E-07	4.61E-07	1.08E-06	1.01E-07	8.93E-08	1.90E-07	7.53E-08	4.56E-08	1.21E-07
5808	563360.79	4235343.57	7.78E-07	6.41E-07	1.42E-06	1.32E-07	1.03E-07	2.35E-07	6.28E-07	4.70E-07	1.10E-06	1.03E-07	9.11E-08	1.94E-07	7.68E-08	4.65E-08	1.23E-07
5809	563351.07	4235347.78	7.92E-07	6.52E-07	1.44E-06	1.34E-07	1.05E-07	2.39E-07	6.39E-07	4.79E-07	1.12E-06	1.05E-07	9.28E-08	1.97E-07	7.82E-08	4.74E-08	1.26E-07
5810	563341.35	4235351.99	8.06E-07	6.64E-07	1.47E-06	1.37E-07	1.06E-07	2.43E-07	6.51E-07	4.87E-07	1.14E-06	1.07E-07	9.44E-08	2.01E-07	7.96E-08	4.82E-08	1.28E-07
5811	563331.63	4235356.19	8.20E-07	6.76E-07	1.50E-06	1.39E-07	1.08E-07	2.47E-07	6.62E-07	4.96E-07	1.16E-06	1.08E-07	9.61E-08	2.05E-07	8.10E-08	4.91E-08	1.30E-07
5812	563321.91	4235360.4	8.34E-07	6.87E-07	1.52E-06	1.42E-07	1.10E-07	2.52E-07	6.73E-07	5.04E-07	1.18E-06	1.10E-07	9.77E-08	2.08E-07	8.24E-08	4.99E-08	1.32E-07
5813	563312.2	4235364.6	8.48E-07	6.99E-07	1.55E-06	1.44E-07	1.12E-07	2.56E-07	6.85E-07	5.13E-07	1.20E-06	1.12E-07	9.94E-08	2.12E-07	8.38E-08	5.08E-08	1.35E-07
5814	563302.48	4235368.81	8.63E-07	7.11E-07	1.57E-06	1.46E-07	1.14E-07	2.60E-07	6.97E-07	5.21E-07	1.22E-06	1.14E-07	1.01E-07	2.15E-07	8.52E-08	5.16E-08	1.37E-07
5815	563287.56	4235372	8.93E-07	7.36E-07	1.63E-06	1.52E-07	1.18E-07	2.69E-07	7.21E-07	5.40E-07	1.26E-06	1.18E-07	1.05E-07	2.23E-07	8.82E-08	5.35E-08	1.42E-07
5816	563277.17	4235369.97	9.24E-07	7.61E-07	1.69E-06	1.57E-07	1.22E-07	2.79E-07	7.46E-07	5.58E-07	1.30E-06	1.22E-07	1.08E-07	2.30E-07	9.13E-08	5.53E-08	1.47E-07
5817	563266.78	4235367.94	9.55E-07	7.87E-07	1.74E-06	1.62E-07	1.26E-07	2.88E-07	7.71E-07	5.77E-07	1.35E-06	1.26E-07	1.12E-07	2.38E-07	9.43E-08	5.72E-08	1.51E-07
5818	563256.38	4235365.91	9.86E-07	8.12E-07	1.80E-06	1.67E-07	1.30E-07	2.98E-07	7.96E-07	5.96E-07	1.39E-06	1.30E-07	1.16E-07	2.46E-07	9.74E-08	5.90E-08	1.56E-07
5819	563245.99	4235363.87	1.02E-06	8.37E-07	1.85E-06	1.72E-07	1.34E-07	3.07E-07	8.21E-07	6.14E-07	1.43E-06	1.34E-07	1.19E-07	2.53E-07	1.00E-07	6.08E-08	1.61E-07
5820	563235.6	4235361.84	1.05E-06	8.63E-07	1.91E-06	1.78E-07	1.38E-07	3.16E-07	8.46E-07	6.33E-07	1.48E-06	1.39E-07	1.23E-07	2.61E-07	1.03E-07	6.27E-08	1.66E-07
5821	563225.21	4235359.81	1.08E-06	8.89E-07	1.97E-06	1.83E-07	1.42E-07	3.26E-07	8.71E-07	6.52E-07	1.52E-06	1.43E-07	1.26E-07	2.69E-07	1.07E-07	6.46E-08	1.71E-07
5822	563214.81	4235357.78	1.11E-06	9.13E-07	2.02E-06	1.88E-07	1.46E-07	3.35E-07	8.95E-07	6.70E-07	1.57E-06	1.47E-07	1.30E-07	2.77E-07	1.09E-07	6.64E-08	1.76E-07
5823	563204.42	4235355.75	1.13E-06	9.35E-07	2.07E-06	1.92E-07	1.50E-07	3.42E-07	9.16E-07	6.86E-07	1.60E-06	1.50E-07	1.33E-07	2.83E-07	1.12E-07	6.79E-08	1.80E-07
5824	563194.03	4235353.71	1.16E-06	9.54E-07	2.11E-06	1.96E-07	1.53E-07	3.49E-07	9.35E-07	7.00E-07	1.63E-06	1.53E-07	1.36E-07	2.89E-07	1.14E-07	6.93E-08	1.84E-07
5825	563183.64	4235351.68	1.18E-06	9.71E-07	2.15E-06	2.00E-07	1.56E-07	3.56E-07	9.51E-07	7.12E-07	1.66E-06	1.56E-07	1.38E-07	2.94E-07	1.16E-07	7.05E-08	1.87E-07
5826	563173.24	4235349.65	1.20E-06	9.85E-07	2.18E-06	2.03E-07	1.58E-07	3.61E-07	9.66E-07	7.23E-07	1.69E-06	1.58E-07	1.40E-07	2.98E-07	1.18E-07	7.16E-08	1.90E-07
5827	563162.85	4235347.62	1.21E-06	9.97E-07	2.21E-06	2.05E-07	1.60E-07	3.65E-07	9.77E-07	7.32E-07	1.71E-06	1.60E-07	1.42E-07	3.02E-07	1.20E-07	7.25E-08	1.92E-07
5828	563152.46	4235345.59	1.22E-06	1.01E-06	2.23E-06	2.07E-07	1.61E-07	3.69E-07	9.86E-07	7.38E-07	1.72E-06	1.62E-07	1.43E-07	3.05E-07	1.21E-07	7.31E-08	1.94E-07
5829	563142.06	4235343.56	1.23E-06	1.01E-06	2.24E-06	2.08E-07	1.62E-07	3.71E-07	9.92E-07	7.43E-07	1.73E-06	1.62E-07	1.44E-07	3.06E-07	1.21E-07	7.35E-08	1.95E-07
5830	563131.67	4235341.52	1.23E-06	1.01E-06	2.25E-06	2.09E-07	1.63E-07	3.72E-07	9.95E-07	7.44E-07	1.74E-06	1.63E-07	1.44E-07	3.07E-07	1.22E-07	7.37E-08	1.95E-07
5831	563121.28	4235339.49	1.23E-06	1.01E-06	2.24E-06	2.09E-07	1.63E-07	3.71E-07	9.94E-07	7.44E-07	1.74E-06	1.63E-07	1.44E-07	3.07E-07	1.22E-07	7.37E-08	1.95E-07
5832	563110.89	4235337.46	1.23E-06	1.01E-06	2.23E-06	2.08E-07	1.62E-07	3.70E-07	9.89E-07	7.40E-07	1.73E-06	1.62E-07	1.44E-07	3.06E-07	1.21E-07	7.33E-08	1.94E-07
5833	563100.49	4235335.43	1.22E-06	1.00E-06	2.22E-06	2.06E-07	1.61E-07	3.67E-07	9.82E-07	7.35E-07	1.72E-06	1.61E-07	1.42E-07	3.03E-07	1.20E-07	7.28E-08	1.93E-07
5834	563090.1	4235333.4	1.20E-06	9.90E-07	2.19E-06	2.04E-07	1.59E-07	3.63E-07	9.70E-07	7.26E-07	1.70E-06	1.59E-07	1.41E-07	3.00E-07	1.19E-07	7.19E-08	1.91E-07
5835	563079.71	4235331.37	1.18E-06	9.75E-07	2.16E-06	2.01E-07	1.56E-07	3.57E-07	9.56E-07	7.15E-07	1.67E-06	1.57E-07	1.39E-07	2.95E-07	1.17E-07	7.09E-08	1.88E-07
5836	563069.32	4235329.33	1.16E-06	9.57E-07	2.12E-06	1.97E-07	1.53E-07	3.51E-07	9.38E-07	7.02E-07	1.64E-06	1.54E-07	1.36E-07	2.90E-07	1.15E-07	6.96E-08	1.84E-07
5837	563058.92	4235327.3	1.14E-06	9.37E-07	2.07E-06	1.93E-07	1.50E-07	3.43E-07	9.18E-07	6.87E-07	1.61E-06	1.50E-07	1.33E-07	2.84E-07	1.12E-07	6.81E-08	1.80E-07
5838	563525.16	4235270.72	5.49E-07	4.52E-07	1.00E-06	9.31E-08	7.25E-08	1.66E-07	4.43E-07	3.32E-07	7.75E-07	7.26E-08	6.43E-08	1.37E-07	5.42E-08	3.28E-08	8.70E-08
5839	563542.38	4235306.61	5.04E-07	4.15E-07	9.19E-07	8.55E-08	6.66E-08	1.52E-07	4.07E-07	3.05E-07	7.12E-07	6.67E-08	5.91E-08	1.26E-07	4.98E-08	3.02E-08	8.00E-08
5840	563532.76	4235310.77	5.17E-07	4.26E-07	9.42E-07	8.77E-08	6.82E-08	1.56E-07	4.17E-07	3.12E-07	7.29E-07	6.83E-08	6.05E-08	1.29E-07	5.10E-08	3.09E-08	8.19E-08
5841	563523.14	4235314.93	5.29E-07	4.36E-07	9.65E-07	8.97E-08	6.99E-08	1.60E-07	4.27E-07	3.20E-07	7.47E-07	6.99E-08	6.20E-08	1.32E-07	5.22E-08	3.17E-08	8.39E-08
5842	563513.52	4235319.1	5.41E-07	4.45E-07	9.86E-07	9.17E-08	7.14E-08	1.63E-07	4.37E-07	3.27E-07	7.63E-07	7.15E-08	6.34E-08	1.35E-07	5.34E-08	3.24E-08	8.58E-08
5843	563503.9	4235323.26	5.50E-07	4.53E-07	1.00E-06	9.32E-08	7.26E-08	1.66E-07	4.44E-07	3.32E-07	7.76E-07	7.27E-08	6.44E-08	1.37E-07	5.43E-08	3.29E-08	8.72E-08
5844	563494.28	4235327.43	5.58E-07	4.59E-07	1.02E-06	9.46E-08	7.36E-08	1.68E-07	4.50E-07	3.37E-07	7.87E-07	7.37E-08	6.53E-08	1.39E-07	5.51E-08	3.34E-08	8.84E-08
5845	563484.66	4235331.59	5.66E-07	4.66E-07	1.03E-06	9.60E-08	7.47E-08	1.71E-07	4.57E-07	3.42E-07	7.98E-07	7.48E-08	6.63E-08	1.41E-07	5.59E-08	3.39E-08	8.97E-08
5846	563475.04	4235335.75	5.76E-07	4.74E-07	1.05E-06	9.77E-08	7.60E-08	1.74E-07	4.65E-07	3.48E-07	8.13E-07	7.61E-08	6.75E-08	1.44E-07	5.69E-08	3.45E-08	9.13E-08
5847	563465.42	4235339.92	5.86E-07	4.82E-07	1.07E-06	9.93E-08	7.73E-08	1.77E-07	4.73E-07	3.54E-07	8.27E-07	7.74E-08	6.86E-08	1.46E-07	5.78E-08	3.50E-08	9.29E-08
5848	563455.8	4235344.08	5.95E-07	4.90E-07	1.08E-06	1.01E-07	7.86E-08	1.79E-07	4.80E-07	3.59E-07	8.40E-07	7.87E-08	6.97E-08	1.48E-07	5.87E-08	3.56E-08	9.43E-08
5849	563446.17	4235348.24	6.05E-07	4.98E-07	1.10E-06	1.03E-07	7.99E-08	1.82E-07	4.88E-07	3.65E-07	8.54E-07	8.00E-08	7.09E-08	1.51E-07	5.97E-08	3.62E-08	9.59E-08
5850	563436.55	4235352.41	6.15E-07	5.06E-07	1.12E-06	1.04E-07	8.12E-08	1.86E-07	4.96E-07	3.72E-07	8.68E-07	8.13E-08	7.20E-08	1.53E-07	6.07E-08	3.68E-08	9.75E-08
5851	563426.93	4235356.57	6.25E-07	5.15E-07	1.14E-06	1.06E-07	8.26E-08	1.89E-07	5.05E-07	3.78E-07	8.83E-07	8.27E-08	7.33E-08	1.56E-07	6.17E-08	3.74E-08	9.92E-08
5852	563417.31	4235360.74	6.36E-07	5.24E-07	1.16E-06	1.08E-07	8.40E-08	1.92E-07	5.13E-07	3.84E-07	8.98E-07	8.41E-08	7.45E-08	1.59E-07	6.28E-08	3.81E-08	1.01E-07
5853	563407.69	4235364.9	6.47E-07	5.33E-07	1.18E-06	1.10E-07	8.54E-08	1.95E-07	5.22E-07	3.91E-07	9.13E-07	8.55E-08	7.58E-08	1.61E-07	6.39E-08	3.87E-08	1.03E-07
5854	563398.07	4235369.06	6.58E-07	5.42E-07	1.20E-06	1.12E-07	8.70E-08	1.99E-07	5.32E-07	3.98E-07	9.30E-07	8.71E-08	7.72E-08	1.64E-07	6.50E-08	3.94E-08	1.04E-07
5855	563388.45	4235373.23	6.70E-07	5.52E-07	1.22E-06	1.14E-07	8.85E-08	2.02E-07	5.41E-07	4.05E-07	9.46E-07	8.87E-08	7.86E-08	1.67E-07	6.62E-08	4.01E-08	1.06E-07

5856	563378.83	4235377.39	6.82E-07	5.62E-07	1.24E-06	1.16E-07	9.01E-08	2.06E-07	5.51E-07	4.12E-07	9.63E-07	9.02E-08	8.00E-08	1.70E-07	6.74E-08	4.08E-08	1.08E-07
5857	563369.21	4235381.56	6.94E-07	5.72E-07	1.27E-06	1.18E-07	9.17E-08	2.09E-07	5.60E-07	4.20E-07	9.80E-07	9.18E-08	8.13E-08	1.73E-07	6.86E-08	4.15E-08	1.10E-07
5858	563359.59	4235385.72	7.05E-07	5.81E-07	1.29E-06	1.20E-07	9.31E-08	2.13E-07	5.69E-07	4.26E-07	9.96E-07	9.33E-08	8.26E-08	1.76E-07	6.96E-08	4.22E-08	1.12E-07
5859	563349.97	4235389.88	7.15E-07	5.89E-07	1.30E-06	1.21E-07	9.45E-08	2.16E-07	5.78E-07	4.32E-07	1.01E-06	9.46E-08	8.38E-08	1.78E-07	7.06E-08	4.28E-08	1.13E-07
5860	563340.35	4235394.05	7.26E-07	5.98E-07	1.32E-06	1.23E-07	9.59E-08	2.19E-07	5.86E-07	4.39E-07	1.03E-06	9.60E-08	8.51E-08	1.81E-07	7.17E-08	4.35E-08	1.15E-07
5861	563330.73	4235398.21	7.38E-07	6.08E-07	1.35E-06	1.25E-07	9.75E-08	2.23E-07	5.96E-07	4.46E-07	1.04E-06	9.76E-08	8.65E-08	1.84E-07	7.29E-08	4.42E-08	1.17E-07
5862	563321.11	4235402.37	7.52E-07	6.19E-07	1.37E-06	1.28E-07	9.93E-08	2.27E-07	6.07E-07	4.54E-07	1.06E-06	9.94E-08	8.81E-08	1.87E-07	7.42E-08	4.50E-08	1.19E-07
5863	563311.49	4235406.54	7.65E-07	6.30E-07	1.39E-06	1.30E-07	1.01E-07	2.31E-07	6.17E-07	4.62E-07	1.08E-06	1.01E-07	8.96E-08	1.91E-07	7.55E-08	4.58E-08	1.21E-07
5864	563301.87	4235410.7	7.77E-07	6.40E-07	1.42E-06	1.32E-07	1.03E-07	2.35E-07	6.28E-07	4.70E-07	1.10E-06	1.03E-07	9.11E-08	1.94E-07	7.68E-08	4.65E-08	1.23E-07
5865	563291.92	4235411.78	7.96E-07	6.56E-07	1.45E-06	1.35E-07	1.05E-07	2.40E-07	6.43E-07	4.81E-07	1.12E-06	1.05E-07	9.33E-08	1.99E-07	7.86E-08	4.77E-08	1.26E-07
5866	563281.63	4235409.77	8.22E-07	6.77E-07	1.50E-06	1.39E-07	1.09E-07	2.48E-07	6.64E-07	4.97E-07	1.16E-06	1.09E-07	9.63E-08	2.05E-07	8.12E-08	4.92E-08	1.30E-07
5867	563271.34	4235407.76	8.48E-07	6.98E-07	1.55E-06	1.44E-07	1.12E-07	2.56E-07	6.84E-07	5.12E-07	1.20E-06	1.12E-07	9.93E-08	2.11E-07	8.37E-08	5.07E-08	1.34E-07
5868	563261.05	4235405.74	8.73E-07	7.19E-07	1.59E-06	1.48E-07	1.15E-07	2.64E-07	7.05E-07	5.28E-07	1.23E-06	1.15E-07	1.02E-07	2.18E-07	8.62E-08	5.23E-08	1.39E-07
5869	563250.76	4235403.73	8.98E-07	7.40E-07	1.64E-06	1.52E-07	1.19E-07	2.71E-07	7.25E-07	5.43E-07	1.27E-06	1.19E-07	1.05E-07	2.24E-07	8.87E-08	5.38E-08	1.43E-07
5870	563240.48	4235401.72	9.23E-07	7.61E-07	1.68E-06	1.57E-07	1.22E-07	2.79E-07	7.45E-07	5.58E-07	1.30E-06	1.22E-07	1.08E-07	2.30E-07	9.12E-08	5.53E-08	1.46E-07
5871	563230.19	4235399.71	9.48E-07	7.81E-07	1.73E-06	1.61E-07	1.25E-07	2.86E-07	7.66E-07	5.73E-07	1.34E-06	1.25E-07	1.11E-07	2.37E-07	9.37E-08	5.68E-08	1.50E-07
5872	563219.9	4235397.7	9.73E-07	8.01E-07	1.77E-06	1.65E-07	1.28E-07	2.94E-07	7.85E-07	5.88E-07	1.37E-06	1.29E-07	1.14E-07	2.43E-07	9.61E-08	5.82E-08	1.54E-07
5873	563209.61	4235395.69	9.96E-07	8.21E-07	1.82E-06	1.69E-07	1.32E-07	3.01E-07	8.04E-07	6.02E-07	1.41E-06	1.32E-07	1.17E-07	2.48E-07	9.84E-08	5.96E-08	1.58E-07
5874	563199.32	4235393.68	1.02E-06	8.38E-07	1.86E-06	1.73E-07	1.34E-07	3.07E-07	8.21E-07	6.15E-07	1.44E-06	1.35E-07	1.19E-07	2.54E-07	1.00E-07	6.09E-08	1.61E-07
5875	563189.03	4235391.67	1.04E-06	8.54E-07	1.89E-06	1.76E-07	1.37E-07	3.13E-07	8.37E-07	6.26E-07	1.46E-06	1.37E-07	1.21E-07	2.58E-07	1.02E-07	6.20E-08	1.64E-07
5876	563178.75	4235389.65	1.05E-06	8.67E-07	1.92E-06	1.79E-07	1.39E-07	3.18E-07	8.50E-07	6.36E-07	1.49E-06	1.39E-07	1.23E-07	2.63E-07	1.04E-07	6.30E-08	1.67E-07
5877	563168.46	4235387.64	1.07E-06	8.79E-07	1.95E-06	1.81E-07	1.41E-07	3.22E-07	8.61E-07	6.45E-07	1.51E-06	1.41E-07	1.25E-07	2.66E-07	1.05E-07	6.38E-08	1.69E-07
5878	563158.17	4235385.63	1.08E-06	8.88E-07	1.97E-06	1.83E-07	1.42E-07	3.25E-07	8.70E-07	6.51E-07	1.52E-06	1.43E-07	1.26E-07	2.69E-07	1.06E-07	6.45E-08	1.71E-07
5879	563147.88	4235383.62	1.09E-06	8.95E-07	1.98E-06	1.84E-07	1.44E-07	3.28E-07	8.77E-07	6.57E-07	1.53E-06	1.44E-07	1.27E-07	2.71E-07	1.07E-07	6.50E-08	1.72E-07
5880	563137.59	4235381.61	1.09E-06	9.00E-07	1.99E-06	1.85E-07	1.44E-07	3.30E-07	8.82E-07	6.60E-07	1.54E-06	1.44E-07	1.28E-07	2.72E-07	1.08E-07	6.54E-08	1.73E-07
5881	563127.31	4235379.6	1.09E-06	9.02E-07	2.00E-06	1.86E-07	1.45E-07	3.30E-07	8.84E-07	6.62E-07	1.55E-06	1.45E-07	1.28E-07	2.73E-07	1.08E-07	6.55E-08	1.74E-07
5882	563117.02	4235377.59	1.09E-06	9.01E-07	1.99E-06	1.86E-07	1.44E-07	3.30E-07	8.83E-07	6.61E-07	1.54E-06	1.45E-07	1.28E-07	2.73E-07	1.08E-07	6.55E-08	1.73E-07
5883	563106.73	4235375.58	1.09E-06	8.98E-07	1.99E-06	1.85E-07	1.44E-07	3.29E-07	8.80E-07	6.59E-07	1.54E-06	1.44E-07	1.28E-07	2.72E-07	1.08E-07	6.52E-08	1.73E-07
5884	563096.44	4235373.56	1.08E-06	8.92E-07	1.97E-06	1.84E-07	1.43E-07	3.27E-07	8.74E-07	6.54E-07	1.53E-06	1.43E-07	1.27E-07	2.70E-07	1.07E-07	6.48E-08	1.72E-07
5885	563086.15	4235371.55	1.07E-06	8.83E-07	1.95E-06	1.82E-07	1.41E-07	3.23E-07	8.65E-07	6.47E-07	1.51E-06	1.42E-07	1.26E-07	2.67E-07	1.06E-07	6.41E-08	1.70E-07
5886	563075.87	4235369.54	1.06E-06	8.71E-07	1.93E-06	1.79E-07	1.40E-07	3.19E-07	8.54E-07	6.39E-07	1.49E-06	1.40E-07	1.24E-07	2.64E-07	1.04E-07	6.33E-08	1.68E-07
5887	563065.58	4235367.53	1.04E-06	8.57E-07	1.90E-06	1.77E-07	1.37E-07	3.14E-07	8.40E-07	6.29E-07	1.47E-06	1.38E-07	1.22E-07	2.59E-07	1.03E-07	6.23E-08	1.65E-07
5888	563055.29	4235365.52	1.02E-06	8.41E-07	1.86E-06	1.73E-07	1.35E-07	3.08E-07	8.24E-07	6.17E-07	1.44E-06	1.35E-07	1.20E-07	2.54E-07	1.01E-07	6.11E-08	1.62E-07
5889	563045	4235363.51	9.98E-07	8.22E-07	1.82E-06	1.69E-07	1.32E-07	3.01E-07	8.06E-07	6.03E-07	1.41E-06	1.32E-07	1.17E-07	2.49E-07	9.86E-08	5.97E-08	1.58E-07
5890	563551.21	4235301.07	4.94E-07	4.07E-07	9.01E-07	8.38E-08	6.52E-08	1.49E-07	3.99E-07	2.99E-07	6.97E-07	6.53E-08	5.79E-08	1.23E-07	4.88E-08	2.96E-08	7.84E-08
5891	563568.38	4235336.98	4.56E-07	3.76E-07	8.33E-07	7.75E-08	6.03E-08	1.38E-07	3.69E-07	2.76E-07	6.44E-07	6.04E-08	5.35E-08	1.14E-07	4.51E-08	2.73E-08	7.24E-08
5892	563558.67	4235341.18	4.66E-07	3.84E-07	8.50E-07	7.91E-08	6.16E-08	1.41E-07	3.76E-07	2.82E-07	6.58E-07	6.17E-08	5.46E-08	1.16E-07	4.60E-08	2.79E-08	7.39E-08
5893	563548.96	4235345.38	4.76E-07	3.92E-07	8.67E-07	8.07E-08	6.28E-08	1.44E-07	3.84E-07	2.87E-07	6.71E-07	6.29E-08	5.57E-08	1.19E-07	4.70E-08	2.85E-08	7.54E-08
5894	563539.25	4235349.59	4.85E-07	3.99E-07	8.84E-07	8.22E-08	6.40E-08	1.46E-07	3.91E-07	2.93E-07	6.84E-07	6.41E-08	5.68E-08	1.21E-07	4.79E-08	2.90E-08	7.69E-08
5895	563529.54	4235353.79	4.93E-07	4.06E-07	9.00E-07	8.37E-08	6.51E-08	1.49E-07	3.98E-07	2.98E-07	6.96E-07	6.52E-08	5.78E-08	1.23E-07	4.87E-08	2.95E-08	7.82E-08
5896	563519.83	4235357.99	5.02E-07	4.13E-07	9.15E-07	8.51E-08	6.63E-08	1.51E-07	4.05E-07	3.03E-07	7.08E-07	6.63E-08	5.88E-08	1.25E-07	4.95E-08	3.00E-08	7.96E-08
5897	563510.12	4235362.2	5.10E-07	4.20E-07	9.30E-07	8.65E-08	6.73E-08	1.54E-07	4.12E-07	3.08E-07	7.20E-07	6.74E-08	5.97E-08	1.27E-07	5.03E-08	3.05E-08	8.08E-08
5898	563500.41	4235366.4	5.18E-07	4.26E-07	9.44E-07	8.78E-08	6.84E-08	1.56E-07	4.18E-07	3.13E-07	7.31E-07	6.84E-08	6.06E-08	1.29E-07	5.11E-08	3.10E-08	8.21E-08
5899	563490.7	4235370.6	5.25E-07	4.33E-07	9.58E-07	8.91E-08	6.94E-08	1.58E-07	4.24E-07	3.17E-07	7.41E-07	6.94E-08	6.15E-08	1.31E-07	5.19E-08	3.14E-08	8.33E-08
5900	563480.99	4235374.8	5.32E-07	4.39E-07	9.71E-07	9.03E-08	7.03E-08	1.61E-07	4.30E-07	3.22E-07	7.52E-07	7.04E-08	6.24E-08	1.33E-07	5.26E-08	3.19E-08	8.44E-08
5901	563471.28	4235379.01	5.39E-07	4.44E-07	9.82E-07	9.14E-08	7.11E-08	1.63E-07	4.35E-07	3.26E-07	7.60E-07	7.12E-08	6.31E-08	1.34E-07	5.32E-08	3.22E-08	8.54E-08
5902	563461.57	4235383.21	5.45E-07	4.49E-07	9.93E-07	9.24E-08	7.19E-08	1.64E-07	4.40E-07	3.29E-07	7.69E-07	7.20E-08	6.38E-08	1.36E-07	5.38E-08	3.26E-08	8.64E-08
5903	563451.86	4235387.41	5.51E-07	4.54E-07	1.00E-06	9.35E-08	7.28E-08	1.66E-07	4.45E-07	3.33E-07	7.78E-07	7.29E-08	6.46E-08	1.37E-07	5.44E-08	3.30E-08	8.74E-08
5904	563442.15	4235391.61	5.59E-07	4.61E-07	1.02E-06	9.49E-08	7.39E-08	1.69E-07	4.52E-07	3.38E-07	7.90E-07	7.40E-08	6.56E-08	1.40E-07	5.52E-08	3.35E-08	8.87E-08
5905	563432.44	4235395.82	5.67E-07	4.67E-07	1.03E-06	9.62E-08	7.49E-08	1.71E-07	4.58E-07	3.43E-07	8.01E-07	7.50E-08	6.65E-08	1.41E-07	5.60E-08	3.39E-08	9.00E-08
5906	563422.73	4235400.02	5.75E-07	4.73E-07	1.05E-06	9.75E-08	7.59E-08	1.73E-07	4.64E-07	3.47E-07	8.11E-07	7.60E-08	6.73E-08	1.43E-07	5.67E-08	3.44E-08	9.11E-08
5907	563413.02	4235404.22	5.82E-07	4.80E-07	1.06E-06	9.88E-08	7.69E-08	1.76E-07	4.70E-07	3.52E-07	8.22E-07	7.70E-08	6.82E-08	1.45E-07	5.75E-08	3.49E-08	9.24E-08
5908	563403.31	4235408.42	5.90E-07	4.86E-07	1.08E-06	1.00E-07	7.80E-08	1.78E-07	4.77E-07	3.57E-07	8.34E-07	7.81E-08	6.92E-08	1.47E-07	5.83E-08	3.53E-08	9.36E-08
5909	563393.6	4235412.63	5.99E-07	4.93E-07	1.09E-06	1.02E-07	7.91E-08	1.81E-07	4.84E-07	3.62E-07	8.46E-07	7.92E-08	7.02E-08	1.49E-07	5.92E-08	3.59E-08	9.50E-08
5910	563383.89	4235416.83	6.08E-07	5.01E-07	1.11E-06	1.03E-07	8.03E-08	1.84E-07	4.91E-07	3.68E-07	8.59E-07	8.04E-08	7.13E-08	1.52E-07	6.01E-08	3.64E-08	9.65E-08
5911	563374.18	4235421.03	6.20E-07	5.10E-07	1.13E-06	1.05E-07	8.18E-08	1.87E-07	5.00E-07	3.74E-07	8.75E-07	8.19E-08	7.26E-08	1.55E-07	6.12E-08	3.71E-08	9.83E-08
5912	563364.47	4235425.24	6.32E-07	5.20E-07	1.15E-06	1.07E-07	8.34E-08	1.91E-07	5.10E-07	3.82E-07	8.92E-07	8.35E-08	7.40E-08	1.58E-07	6.24E-08	3.78E-08	1.00E-07
5913	563354.76	4235429.44	6.43E-07	5.30E-07	1.17E-06	1.09E-07	8.50E-08	1.94E-07	5.19E-07	3.89E-07	9.08E-07	8.51E-08	7.54E-08	1.60E-07	6.35E-08	3.85E-08	1.02E-07
5914	563345.05	4235433.64	6.55E-07	5.39E-07	1.19E-06	1.11E-07	8.65E-08	1.98E-07	5.29E-07	3.96E-07	9.24E-07	8.66E-08	7.67E-08	1.63E-07	6.47E-08	3.92E-08	1.04E-07
5915	563335.34	4235437.84	6.66E-07	5.48E-07	1.21E-06	1.13E-07	8.79E-08	2.01E-07	5.37E-07	4.02E-07	9.40E-07	8.80E-08	7.80E-08	1.66E-07	6.57E-08	3.98E-08	1.06E-07
5916	563325.63	4235442.05	6.77E-07	5.58E-07	1.23E-06	1.15E-07	8.94E-08	2.04E-07	5.47E-07	4.09E-07	9.56E-07	8.95E-08	7.93E-08	1.69E-07	6.69E-08	4.05E-08	1.07E-07
5917	563315.92	4235446.25	6.88E-07	5.67E-07	1.26E-06	1.17E-07	9.09E-08	2.08E-07	5.56E-07	4.16E-07	9.72E-07	9.10E-08	8.06E-08	1.72E-07	6.80E-08	4.12E-08	1.09E-07
5918	563306.21	4235450.45	6.99E-07	5.76E-07	1.28E-06	1.19E-07	9.23E-08	2.11E-07	5.64E-07	4.23E-07	9.87E-07	9.25E-08	8.19E-08	1.74E-07	6.90E-08	4.18E-08	1.11E-07
5919	563296.17	4235451.54	7.15E-07	5.89E-07	1.30E-06	1.21E-07	9.45E-08	2.16E-07	5.78E-07	4.32E-07	1.01E-06	9.46E-08	8.38E-08	1.78E-07	7.06E-08	4.28E-08	1.13E-07
5920	563285.78	4235449.51	7.37E-07	6.07E-07	1.34E-06	1.25E-07	9.74E-08	2.22E-07	5.95E-07	4.46E-07	1.04E-06	9.75E-08	8.64E-08	1.84E-07	7.28E-08	4.41E-08	1.17E-07
5921	563275.4	4235447.48	7.59E-07	6.26E-07	1.38E-06	1.29E-07	1.00E-07	2.29E-07	6.13E-07	4.59E-07	1.07E-06	1.00E-07	8.90E-08	1.89E-07	7.50E-08	4.54E-08	1.20E-07
5922	563265.02	4235445.45	7.81E-07	6.43E-07	1.42E-06	1.33E-07	1.03E-07	2.36E-07	6.31E-07	4.72E-07	1.10E-06	1.03E-07	9.15E-08	1.95E-07	7.71E-08	4.68E-08	1.24E-07
5923	563254.63	4235443.42	8.03E-07	6.61E-07	1.46E-06	1.36E-07	1.06E-07	2.42E-07	6.48E-07	4.85E-07	1.13E-06	1.06E-07	9.41E-08	2.00E-07	7.93E-08	4.80E-08	1.27E-07
5924	563244.25	4235441.39	8.24E-07	6.79E-07	1.50E-06	1.40E-07	1.09E-07	2.49E-07	6.65E-07	4.98E-07	1.16E-06	1.09E-07	9.65E-08	2.05E-07	8.14E-08	4.93E-08	1.31E-07
5925	563233.86	4235439.36	8.44E-07	6.95E-07	1.54E-06	1.43E-07	1.11E-07	2.55E-07	6.82E-07	5.10E-07	1.19E-06	1.12E-07	9.89E-08	2.11E-07	8.34E-08	5.05E-08	1.34E-07
5926	563223.48	4235437.33	8.64E-07	7.12E-07	1.58E-06	1.47E-07	1.14E-07	2.61E-07	6.97E-07	5.22E-07	1.22E-06	1.14E-07	1.01E-07	2.15E-07	8.53E-08	5.17E-08	1.37E-07
5927	563213.1	4235435.3	8.82E-07	7.27E-07	1.61E-06	1.50E-07	1.17E-07	2.66E-07	7.12E-07	5.33E-07	1.25E-06	1.17E-07	1.03E-07	2.20E-07	8.71E-08	5.28E-08	1.40E-07
5928	563202.71	4235433.27	9.01E-07	7.42E-07	1.64E-06	1.53E-07	1.19E-07	2.72E-07	7.27E-07	5.44E-07	1.27E-06	1.19E-07	1.06E-07	2.25E-07	8.89E-08	5.39E-08	1.43E-07
5929	563192.33	4235431.24	9.18E-07	7.56E-07	1.67E-06	1.56E-07	1.21E-07	2.77E-07	7.41E-07	5.55E-07	1.30E-06	1.21E-07	1.08E-07	2.29E-07	9.06E-08	5.49E-08	1.46E-07
5930	563181.94	4235429.21	9.34E-07	7.69E-07	1.70E-06	1.58E-07	1.23E-07	2.82E-07	7.54E-07	5.64E-07	1.32E-06	1.24E-07	1.09E-07	2.33E-07	9.22E-08	5.59E-08	1.48E-07
5931	563171.56	4235427.18	9.48E-07	7.81E-07	1.73E-06	1.61E-07	1.25E-07	2.86E-07	7.66E-07	5.73E-07	1.34E-06	1.25E-07	1.11E-07	2.36E-07	9.36E-08	5.67E-08	1.50E-07
5932	563161.18	4235425.15	9.60E-07	7.91E-07	1.75E-06	1.63E-07	1.27E-07	2.90E-07	7.75E-07	5.80E-07	1.36E-06	1.27E-07	1.13E-07	2.39E-07	9.48E-08	5.75E-08	1.52E-07
5933	563150.79	4235423.12	9.69E-07	7.99E-07	1.77E-06	1.64E-07	1.28E-07	2.92E-07	7.83E-07	5.86E-07	1.37E-06	1.28E-07	1.14E-07	2.42E-07	9.57E-08	5.80E-08	1.54E-07
5934	563140.41	4235421.09	9.76E-07	8.04E-07	1.78E-06	1.66E-07	1.29E-07	2.94E-07	7.88E-07	5.90E-07	1.38E-06	1.29E-07	1.14E-07	2.43E-07	9.64E-08	5.84E-08	1.55E-07
5935	563130.03	4235419.06	9.79E-07	8.07E-07	1.79E-06	1.66E-07	1.29E-07	2.96E-07	7.91E-07	5.92E-07	1.38E-06	1.30E-07	1.15E-07	2.44E-07	9.67E-08	5.86E-08	1.55E-07
5936	563119.64	4235417.03	9.81E-07	8.08E-07	1.79E-06	1.66E-07	1.30E-07	2.96E-07	7.92E-07	5.93E-07	1.38E-06	1.30E-07	1.15E-07	2.45E-07	9.69E-08	5.87E-08	1.56E-07
5937	563109.26	4235415	9.79E-07	8.07E-07	1.79E-06	1.66E-07	1.29E-07	2.95E-07	7.91E-07	5.92E-07	1.38E-06	1.30E-07	1.15E-07	2.44E-07	9.67E-08	5.86E-08	1.55E-07
5938	563098.87	4235412.97	9.75E-07	8.03E-07	1.78E-06	1.65E-07	1.29E-07	2.94E-07	7.87E-07	5.89E-07	1.38E-06	1.29E-07	1.14E-07	2.43E-07	9.63E-08	5.84E-08	1.55E-07
5939	563088.49	4235410.94	9.68E-07	7.97E-07	1.77E-06	1.64E-07	1.28E-07	2.92E-07	7.82E-07	5.85E-07	1.37E-06	1.28E-07	1.13E-07	2.41E-07	9.56E-08	5.79E-08	1.54E-07
5940	563078.11	4235408.91	9.58E-07	7.89E-07	1.75E-06	1.63E-07	1.27E-07	2.89E-07	7.74E-07	5.79E-07	1.35E-06	1.27E-07	1.12E-07	2.39E-07	9.46E-08	5.74E-08	1.52E-07
5941	563067.72	4235406.88	9.46E-07	7.79E-07	1.73E-06	1.60E-07	1.25E-07	2.85E-07	7.64E-07	5.72E-07	1.34E-06	1.25E-07	1.11E-07	2.36E-07	9.34E-08	5.66E-08	1.50E-07
5942	563057.34	4235404.85	9.31E-07	7.67E-07	1.70E-06	1.58E-07	1.23E-07	2.81E-07	7.52E-07	5.63E-07	1.31E-06	1.23E-07	1.09E-07	2.32E-07	9.19E-08	5.57E-08	1.48E-07
5943	563046.95	4235402.82	9.14E-07	7.53E-07	1.67E-06	1.55E-07	1.21E-07	2.76E-07	7.38E-07	5.52E-07	1.29E-06	1.21E-07	1.07E-07	2.28E-07	9.02E-08	5.47E-08	1.45E-07
5944	563036.57	4235400.79	8.95E-07	7.37E-07	1.63E-06	1.52E-07	1.18E-07	2.70E-07	7.22E-07	5.41E-07	1.26E-06	1.18E-07	1.05E-07	2.23E-07	8.83E-08	5.35E-08	1.42E-07
5945	563026.19	4235398.76	8.74E-07	7.20E-07	1.59E-06	1.48E-07	1.15E-07	2.64E-07	7.05E-07	5.28E-07	1.23E-06	1.16E-07	1.02E-07	2.18E-07	8.63E-08	5.23E-08	1.39E-07
5946	563594.48	4235367.32	4.10E-07	3.38E-07	7.48E-07	6.96E-08	5.41E-08	1.24E-07	3.31E-07	2.48E-07	5.79E-07	5.42E-08	4.80E-08	1.02E-07	4.05E-08	2.45E-08	6.50E-08
5947	563584.85	4235371.48	4.18E-07	3.44E-07	7.62E-07	7.09E-08	5.52E-08	1.26E-07	3.37E-07	2.53E-07	5.90E-07	5.53E-08	4.90E-08	1.04E-07	4.13E-08	2.50E-08	6.63E-08
5948	563575.22	4235375.65	4.25E-07	3.51E-07	7.76E-07	7.22E-08	5.62E-08	1.28E-07	3.44E-07	2.57E-07	6.01E-07	5.63E-08	4.99E-08	1.06E-07	4.20E-08	2.55E-08	6.75E-08

5949	563565.59	4235379.82	4.33E-07	3.57E-07	7.89E-07	7.34E-08	5.72E-08	1.31E-07	3.49E-07	2.62E-07	6.11E-07	5.72E-08	5.07E-08	1.08E-07	4.27E-08	2.59E-08	6.86E-08
5950	563555.97	4235383.98	4.40E-07	3.62E-07	8.02E-07	7.46E-08	5.81E-08	1.33E-07	3.55E-07	2.66E-07	6.21E-07	5.81E-08	5.15E-08	1.10E-07	4.34E-08	2.63E-08	6.97E-08
5951	563546.34	4235388.15	4.47E-07	3.68E-07	8.14E-07	7.58E-08	5.90E-08	1.35E-07	3.61E-07	2.70E-07	6.30E-07	5.90E-08	5.23E-08	1.11E-07	4.41E-08	2.67E-08	7.08E-08
5952	563536.71	4235392.32	4.54E-07	3.74E-07	8.28E-07	7.70E-08	5.99E-08	1.37E-07	3.66E-07	2.74E-07	6.41E-07	6.00E-08	5.32E-08	1.13E-07	4.48E-08	2.72E-08	7.20E-08
5953	563527.09	4235396.48	4.61E-07	3.80E-07	8.41E-07	7.82E-08	6.09E-08	1.39E-07	3.72E-07	2.79E-07	6.51E-07	6.10E-08	5.40E-08	1.15E-07	4.55E-08	2.76E-08	7.31E-08
5954	563517.46	4235400.65	4.68E-07	3.86E-07	8.54E-07	7.95E-08	6.18E-08	1.41E-07	3.78E-07	2.83E-07	6.61E-07	6.19E-08	5.49E-08	1.17E-07	4.62E-08	2.80E-08	7.43E-08
5955	563507.83	4235404.82	4.74E-07	3.91E-07	8.65E-07	8.05E-08	6.27E-08	1.43E-07	3.83E-07	2.87E-07	6.70E-07	6.27E-08	5.56E-08	1.18E-07	4.69E-08	2.84E-08	7.53E-08
5956	563498.2	4235408.98	4.81E-07	3.96E-07	8.76E-07	8.15E-08	6.35E-08	1.45E-07	3.88E-07	2.90E-07	6.78E-07	6.35E-08	5.63E-08	1.20E-07	4.75E-08	2.88E-08	7.62E-08
5957	563488.58	4235413.15	4.86E-07	4.00E-07	8.86E-07	8.24E-08	6.42E-08	1.47E-07	3.92E-07	2.94E-07	6.86E-07	6.42E-08	5.69E-08	1.21E-07	4.80E-08	2.91E-08	7.71E-08
5958	563478.95	4235417.32	4.91E-07	4.04E-07	8.95E-07	8.33E-08	6.48E-08	1.48E-07	3.96E-07	2.97E-07	6.93E-07	6.49E-08	5.75E-08	1.22E-07	4.85E-08	2.94E-08	7.79E-08
5959	563469.32	4235421.48	4.96E-07	4.08E-07	9.04E-07	8.41E-08	6.55E-08	1.50E-07	4.00E-07	3.00E-07	7.00E-07	6.55E-08	5.81E-08	1.24E-07	4.90E-08	2.97E-08	7.86E-08
5960	563459.69	4235425.65	5.00E-07	4.12E-07	9.12E-07	8.49E-08	6.61E-08	1.51E-07	4.04E-07	3.02E-07	7.06E-07	6.62E-08	5.86E-08	1.25E-07	4.94E-08	2.99E-08	7.93E-08
5961	563450.07	4235429.82	5.05E-07	4.16E-07	9.21E-07	8.56E-08	6.67E-08	1.52E-07	4.08E-07	3.05E-07	7.13E-07	6.68E-08	5.92E-08	1.26E-07	4.99E-08	3.02E-08	8.01E-08
5962	563440.44	4235433.99	5.10E-07	4.20E-07	9.31E-07	8.66E-08	6.74E-08	1.54E-07	4.12E-07	3.08E-07	7.20E-07	6.75E-08	5.98E-08	1.27E-07	5.04E-08	3.05E-08	8.09E-08
5963	563430.81	4235438.15	5.17E-07	4.26E-07	9.42E-07	8.77E-08	6.82E-08	1.56E-07	4.17E-07	3.12E-07	7.29E-07	6.83E-08	6.05E-08	1.29E-07	5.10E-08	3.09E-08	8.19E-08
5964	563421.19	4235442.32	5.24E-07	4.32E-07	9.56E-07	8.89E-08	6.92E-08	1.58E-07	4.23E-07	3.17E-07	7.40E-07	6.93E-08	6.14E-08	1.31E-07	5.18E-08	3.14E-08	8.31E-08
5965	563411.56	4235446.49	5.33E-07	4.39E-07	9.71E-07	9.04E-08	7.03E-08	1.61E-07	4.30E-07	3.22E-07	7.52E-07	7.04E-08	6.24E-08	1.33E-07	5.26E-08	3.19E-08	8.45E-08
5966	563401.93	4235450.65	5.42E-07	4.47E-07	9.89E-07	9.20E-08	7.16E-08	1.64E-07	4.38E-07	3.28E-07	7.66E-07	7.17E-08	6.36E-08	1.35E-07	5.36E-08	3.25E-08	8.60E-08
5967	563392.3	4235454.82	5.53E-07	4.56E-07	1.01E-06	9.39E-08	7.31E-08	1.67E-07	4.47E-07	3.34E-07	7.81E-07	7.32E-08	6.48E-08	1.38E-07	5.46E-08	3.31E-08	8.77E-08
5968	563382.68	4235458.99	5.63E-07	4.64E-07	1.03E-06	9.55E-08	7.44E-08	1.70E-07	4.55E-07	3.40E-07	7.95E-07	7.45E-08	6.60E-08	1.40E-07	5.56E-08	3.37E-08	8.93E-08
5969	563373.05	4235463.15	5.72E-07	4.71E-07	1.04E-06	9.71E-08	7.56E-08	1.73E-07	4.62E-07	3.46E-07	8.08E-07	7.57E-08	6.71E-08	1.43E-07	5.65E-08	3.42E-08	9.08E-08
5970	563363.42	4235467.32	5.80E-07	4.78E-07	1.06E-06	9.85E-08	7.66E-08	1.75E-07	4.69E-07	3.51E-07	8.19E-07	7.67E-08	6.80E-08	1.45E-07	5.73E-08	3.47E-08	9.20E-08
5971	563353.8	4235471.49	5.90E-07	4.86E-07	1.08E-06	1.00E-07	7.79E-08	1.78E-07	4.76E-07	3.56E-07	8.32E-07	7.80E-08	6.91E-08	1.47E-07	5.82E-08	3.53E-08	9.35E-08
5972	563344.17	4235475.65	5.99E-07	4.94E-07	1.09E-06	1.02E-07	7.91E-08	1.81E-07	4.84E-07	3.62E-07	8.46E-07	7.92E-08	7.02E-08	1.49E-07	5.92E-08	3.59E-08	9.50E-08
5973	563334.54	4235479.82	6.09E-07	5.02E-07	1.11E-06	1.03E-07	8.04E-08	1.84E-07	4.92E-07	3.68E-07	8.60E-07	8.05E-08	7.14E-08	1.52E-07	6.02E-08	3.65E-08	9.66E-08
5974	563324.91	4235483.99	6.19E-07	5.10E-07	1.13E-06	1.05E-07	8.17E-08	1.87E-07	5.00E-07	3.74E-07	8.74E-07	8.18E-08	7.25E-08	1.54E-07	6.11E-08	3.70E-08	9.81E-08
5975	563315.29	4235488.15	6.28E-07	5.18E-07	1.15E-06	1.07E-07	8.30E-08	1.90E-07	5.07E-07	3.80E-07	8.87E-07	8.31E-08	7.36E-08	1.57E-07	6.20E-08	3.76E-08	9.96E-08
5976	563300.51	4235491.31	6.47E-07	5.33E-07	1.18E-06	1.10E-07	8.54E-08	1.95E-07	5.22E-07	3.91E-07	9.13E-07	8.55E-08	7.58E-08	1.61E-07	6.39E-08	3.87E-08	1.03E-07
5977	563290.22	4235489.3	6.65E-07	5.48E-07	1.21E-06	1.13E-07	8.79E-08	2.01E-07	5.37E-07	4.02E-07	9.39E-07	8.80E-08	7.79E-08	1.66E-07	6.57E-08	3.98E-08	1.06E-07
5978	563279.92	4235487.29	6.84E-07	5.63E-07	1.25E-06	1.16E-07	9.03E-08	2.06E-07	5.52E-07	4.13E-07	9.65E-07	9.04E-08	8.01E-08	1.71E-07	6.75E-08	4.09E-08	1.08E-07
5979	563269.63	4235485.28	7.02E-07	5.79E-07	1.28E-06	1.19E-07	9.28E-08	2.12E-07	5.67E-07	4.24E-07	9.92E-07	9.29E-08	8.23E-08	1.75E-07	6.94E-08	4.20E-08	1.11E-07
5980	563259.33	4235483.26	7.21E-07	5.94E-07	1.31E-06	1.22E-07	9.52E-08	2.17E-07	5.82E-07	4.36E-07	1.02E-06	9.53E-08	8.45E-08	1.80E-07	7.12E-08	4.31E-08	1.14E-07
5981	563249.03	4235481.25	7.39E-07	6.09E-07	1.35E-06	1.25E-07	9.76E-08	2.23E-07	5.96E-07	4.46E-07	1.04E-06	9.77E-08	8.66E-08	1.84E-07	7.30E-08	4.42E-08	1.17E-07
5982	563238.74	4235479.24	7.56E-07	6.23E-07	1.38E-06	1.28E-07	9.99E-08	2.28E-07	6.11E-07	4.57E-07	1.07E-06	1.00E-07	8.86E-08	1.89E-07	7.47E-08	4.53E-08	1.20E-07
5983	563228.44	4235477.23	7.73E-07	6.37E-07	1.41E-06	1.31E-07	1.02E-07	2.33E-07	6.24E-07	4.67E-07	1.09E-06	1.02E-07	9.06E-08	1.93E-07	7.63E-08	4.63E-08	1.23E-07
5984	563218.15	4235475.21	7.89E-07	6.50E-07	1.44E-06	1.34E-07	1.04E-07	2.38E-07	6.37E-07	4.77E-07	1.11E-06	1.04E-07	9.25E-08	1.97E-07	7.79E-08	4.72E-08	1.25E-07
5985	563207.85	4235473.2	8.04E-07	6.63E-07	1.47E-06	1.36E-07	1.06E-07	2.43E-07	6.49E-07	4.86E-07	1.14E-06	1.06E-07	9.43E-08	2.01E-07	7.94E-08	4.81E-08	1.28E-07
5986	563197.56	4235471.19	8.18E-07	6.74E-07	1.49E-06	1.39E-07	1.08E-07	2.47E-07	6.61E-07	4.95E-07	1.16E-06	1.08E-07	9.59E-08	2.04E-07	8.08E-08	4.90E-08	1.30E-07
5987	563187.26	4235469.17	8.31E-07	6.85E-07	1.52E-06	1.41E-07	1.10E-07	2.51E-07	6.71E-07	5.02E-07	1.17E-06	1.10E-07	9.74E-08	2.07E-07	8.21E-08	4.98E-08	1.32E-07
5988	563176.97	4235467.16	8.43E-07	6.95E-07	1.54E-06	1.43E-07	1.11E-07	2.54E-07	6.81E-07	5.10E-07	1.19E-06	1.12E-07	9.88E-08	2.10E-07	8.33E-08	5.05E-08	1.34E-07
5989	563166.67	4235465.15	8.54E-07	7.04E-07	1.56E-06	1.45E-07	1.13E-07	2.58E-07	6.90E-07	5.16E-07	1.21E-06	1.13E-07	1.00E-07	2.13E-07	8.44E-08	5.11E-08	1.36E-07
5990	563156.38	4235463.14	8.64E-07	7.12E-07	1.58E-06	1.47E-07	1.14E-07	2.61E-07	6.98E-07	5.22E-07	1.22E-06	1.14E-07	1.01E-07	2.16E-07	8.53E-08	5.17E-08	1.37E-07
5991	563146.08	4235461.12	8.73E-07	7.19E-07	1.59E-06	1.48E-07	1.15E-07	2.63E-07	7.05E-07	5.27E-07	1.23E-06	1.15E-07	1.02E-07	2.18E-07	8.62E-08	5.22E-08	1.38E-07
5992	563135.79	4235459.11	8.79E-07	7.24E-07	1.60E-06	1.49E-07	1.16E-07	2.65E-07	7.10E-07	5.31E-07	1.24E-06	1.16E-07	1.03E-07	2.19E-07	8.68E-08	5.26E-08	1.39E-07
5993	563125.49	4235457.1	8.84E-07	7.28E-07	1.61E-06	1.50E-07	1.17E-07	2.67E-07	7.14E-07	5.34E-07	1.25E-06	1.17E-07	1.04E-07	2.20E-07	8.73E-08	5.29E-08	1.40E-07
5994	563115.19	4235455.09	8.85E-07	7.29E-07	1.61E-06	1.50E-07	1.17E-07	2.67E-07	7.14E-07	5.35E-07	1.25E-06	1.17E-07	1.04E-07	2.21E-07	8.74E-08	5.30E-08	1.40E-07
5995	563104.9	4235453.07	8.84E-07	7.28E-07	1.61E-06	1.50E-07	1.17E-07	2.67E-07	7.14E-07	5.34E-07	1.25E-06	1.17E-07	1.04E-07	2.20E-07	8.73E-08	5.29E-08	1.40E-07
5996	563094.6	4235451.06	8.80E-07	7.25E-07	1.61E-06	1.49E-07	1.16E-07	2.66E-07	7.11E-07	5.32E-07	1.24E-06	1.16E-07	1.03E-07	2.20E-07	8.69E-08	5.27E-08	1.40E-07
5997	563084.31	4235449.05	8.75E-07	7.21E-07	1.60E-06	1.48E-07	1.16E-07	2.64E-07	7.06E-07	5.29E-07	1.24E-06	1.16E-07	1.03E-07	2.18E-07	8.64E-08	5.24E-08	1.39E-07
5998	563074.01	4235447.04	8.67E-07	7.14E-07	1.58E-06	1.47E-07	1.15E-07	2.62E-07	7.00E-07	5.24E-07	1.22E-06	1.15E-07	1.02E-07	2.16E-07	8.56E-08	5.19E-08	1.38E-07
5999	563063.72	4235445.02	8.57E-07	7.06E-07	1.56E-06	1.45E-07	1.13E-07	2.59E-07	6.92E-07	5.18E-07	1.21E-06	1.13E-07	1.00E-07	2.14E-07	8.46E-08	5.13E-08	1.36E-07
6000	563053.42	4235443.01	8.45E-07	6.96E-07	1.54E-06	1.43E-07	1.12E-07	2.55E-07	6.82E-07	5.11E-07	1.19E-06	1.12E-07	9.90E-08	2.11E-07	8.34E-08	5.06E-08	1.34E-07
6001	563043.13	4235441	8.31E-07	6.85E-07	1.52E-06	1.41E-07	1.10E-07	2.51E-07	6.71E-07	5.02E-07	1.17E-06	1.10E-07	9.74E-08	2.07E-07	8.21E-08	4.97E-08	1.32E-07
6002	563032.83	4235438.98	8.15E-07	6.72E-07	1.49E-06	1.38E-07	1.08E-07	2.46E-07	6.58E-07	4.93E-07	1.15E-06	1.08E-07	9.55E-08	2.03E-07	8.05E-08	4.88E-08	1.29E-07
6003	563022.54	4235436.97	7.98E-07	6.57E-07	1.46E-06	1.35E-07	1.05E-07	2.41E-07	6.44E-07	4.82E-07	1.13E-06	1.06E-07	9.35E-08	1.99E-07	7.88E-08	4.78E-08	1.27E-07
6004	563012.24	4235434.96	7.79E-07	6.42E-07	1.42E-06	1.32E-07	1.03E-07	2.35E-07	6.29E-07	4.71E-07	1.10E-06	1.03E-07	9.13E-08	1.94E-07	7.70E-08	4.67E-08	1.24E-07
6005	563001.95	4235432.95	7.60E-07	6.26E-07	1.39E-06	1.29E-07	1.00E-07	2.29E-07	6.14E-07	4.59E-07	1.07E-06	1.00E-07	8.91E-08	1.90E-07	7.50E-08	4.55E-08	1.21E-07
6006	563620.49	4235397.69	3.70E-07	3.05E-07	6.75E-07	6.28E-08	4.89E-08	1.12E-07	2.99E-07	2.24E-07	5.22E-07	4.89E-08	4.34E-08	9.23E-08	3.65E-08	2.21E-08	5.87E-08
6007	563610.78	4235401.89	3.77E-07	3.11E-07	6.88E-07	6.40E-08	4.98E-08	1.14E-07	3.05E-07	2.28E-07	5.33E-07	4.99E-08	4.42E-08	9.41E-08	3.73E-08	2.26E-08	5.98E-08
6008	563601.08	4235406.09	3.84E-07	3.16E-07	7.01E-07	6.52E-08	5.07E-08	1.16E-07	3.10E-07	2.32E-07	5.42E-07	5.08E-08	4.50E-08	9.58E-08	3.79E-08	2.30E-08	6.09E-08
6009	563591.38	4235410.29	3.91E-07	3.22E-07	7.13E-07	6.63E-08	5.16E-08	1.18E-07	3.15E-07	2.36E-07	5.52E-07	5.17E-08	4.58E-08	9.75E-08	3.86E-08	2.34E-08	6.20E-08
6010	563581.67	4235414.49	3.97E-07	3.27E-07	7.24E-07	6.74E-08	5.24E-08	1.20E-07	3.21E-07	2.40E-07	5.61E-07	5.25E-08	4.65E-08	9.90E-08	3.92E-08	2.38E-08	6.30E-08
6011	563571.97	4235418.69	4.03E-07	3.32E-07	7.35E-07	6.84E-08	5.32E-08	1.22E-07	3.25E-07	2.44E-07	5.69E-07	5.33E-08	4.72E-08	1.01E-07	3.98E-08	2.41E-08	6.39E-08
6012	563562.26	4235422.89	4.09E-07	3.37E-07	7.46E-07	6.94E-08	5.40E-08	1.23E-07	3.30E-07	2.47E-07	5.77E-07	5.41E-08	4.79E-08	1.02E-07	4.04E-08	2.45E-08	6.48E-08
6013	563552.56	4235427.09	4.15E-07	3.42E-07	7.57E-07	7.04E-08	5.48E-08	1.25E-07	3.35E-07	2.51E-07	5.86E-07	5.49E-08	4.86E-08	1.03E-07	4.10E-08	2.48E-08	6.58E-08
6014	563542.86	4235431.29	4.21E-07	3.47E-07	7.68E-07	7.14E-08	5.56E-08	1.27E-07	3.40E-07	2.54E-07	5.94E-07	5.57E-08	4.93E-08	1.05E-07	4.16E-08	2.52E-08	6.68E-08
6015	563533.15	4235435.49	4.27E-07	3.52E-07	7.79E-07	7.25E-08	5.64E-08	1.29E-07	3.45E-07	2.58E-07	6.03E-07	5.65E-08	5.00E-08	1.07E-07	4.22E-08	2.56E-08	6.77E-08
6016	563523.45	4235439.69	4.32E-07	3.56E-07	7.88E-07	7.33E-08	5.71E-08	1.30E-07	3.49E-07	2.61E-07	6.10E-07	5.71E-08	5.06E-08	1.08E-07	4.27E-08	2.59E-08	6.85E-08
6017	563513.74	4235443.89	4.36E-07	3.59E-07	7.95E-07	7.40E-08	5.76E-08	1.32E-07	3.52E-07	2.64E-07	6.16E-07	5.77E-08	5.11E-08	1.09E-07	4.31E-08	2.61E-08	6.92E-08
6018	563504.04	4235448.09	4.40E-07	3.63E-07	8.03E-07	7.47E-08	5.81E-08	1.33E-07	3.55E-07	2.66E-07	6.21E-07	5.82E-08	5.16E-08	1.10E-07	4.35E-08	2.63E-08	6.98E-08
6019	563494.34	4235452.29	4.44E-07	3.65E-07	8.09E-07	7.53E-08	5.86E-08	1.34E-07	3.58E-07	2.68E-07	6.26E-07	5.87E-08	5.20E-08	1.11E-07	4.38E-08	2.66E-08	7.04E-08
6020	563484.63	4235456.49	4.47E-07	3.68E-07	8.15E-07	7.58E-08	5.90E-08	1.35E-07	3.61E-07	2.70E-07	6.31E-07	5.91E-08	5.24E-08	1.11E-07	4.41E-08	2.68E-08	7.09E-08
6021	563474.93	4235460.69	4.51E-07	3.71E-07	8.22E-07	7.64E-08	5.95E-08	1.36E-07	3.64E-07	2.72E-07	6.36E-07	5.96E-08	5.28E-08	1.12E-07	4.45E-08	2.70E-08	7.15E-08
6022	563465.22	4235464.89	4.55E-07	3.75E-07	8.30E-07	7.72E-08	6.01E-08	1.37E-07	3.67E-07	2.75E-07	6.42E-07	6.02E-08	5.33E-08	1.13E-07	4.49E-08	2.72E-08	7.22E-08
6023	563455.52	4235469.09	4.60E-07	3.79E-07	8.39E-07	7.81E-08	6.08E-08	1.39E-07	3.72E-07	2.78E-07	6.50E-07	6.09E-08	5.39E-08	1.15E-07	4.54E-08	2.75E-08	7.30E-08
6024	563445.82	4235473.29	4.67E-07	3.85E-07	8.52E-07	7.93E-08	6.17E-08	1.41E-07	3.77E-07	2.82E-07	6.60E-07	6.18E-08	5.48E-08	1.17E-07	4.61E-08	2.80E-08	7.41E-08
6025	563436.11	4235477.49	4.75E-07	3.91E-07	8.67E-07	8.06E-08	6.28E-08	1.43E-07	3.84E-07	2.87E-07	6.71E-07	6.28E-08	5.57E-08	1.19E-07	4.69E-08	2.84E-08	7.54E-08
6026	563426.41	4235481.69	4.84E-07	3.98E-07	8.82E-07	8.21E-08	6.39E-08	1.46E-07	3.90E-07	2.92E-07	6.83E-07	6.39E-08	5.67E-08	1.21E-07	4.78E-08	2.89E-08	7.67E-08
6027	563416.7	4235485.89	4.92E-07	4.06E-07	8.98E-07	8.36E-08	6.50E-08	1.49E-07	3.98E-07	2.98E-07	6.95E-07	6.51E-08	5.77E-08	1.23E-07	4.86E-08	2.95E-08	7.81E-08
6028	563407	4235490.09	5.01E-07	4.13E-07	9.14E-07	8.50E-08	6.62E-08	1.51E-07	4.05E-07	3.03E-07	7.08E-07	6.63E-08	5.87E-08	1.25E-07	4.95E-08	3.00E-08	7.95E-08
6029	563397.3	4235494.29	5.10E-07	4.20E-07	9.30E-07	8.65E-08	6.73E-08	1.54E-07	4.12E-07	3.08E-07	7.20E-07	6.74E-08	5.97E-08	1.27E-07	5.03E-08	3.05E-08	8.08E-08
6030	563387.59	4235498.49	5.17E-07	4.26E-07	9.43E-07	8.77E-08	6.83E-08	1.56E-07	4.17E-07	3.12E-07	7.30E-07	6.84E-08	6.06E-08	1.29E-07	5.11E-08	3.09E-08	8.20E-08
6031	563377.89	4235502.69	5.23E-07	4.31E-07	9.55E-07	8.88E-08	6.91E-08	1.58E-07	4.23E-07	3.16E-07	7.39E-07	6.92E-08	6.13E-08	1.31E-07	5.17E-08	3.13E-08	8.30E-08
6032	563368.18	4235506.89	5.30E-07	4.37E-07	9.67E-07	8.99E-08	7.00E-08	1.60E-07	4.28E-07	3.20E-07	7.48E-07	7.01E-08	6.21E-08	1.32E-07	5.23E-08	3.17E-08	8.41E-08
6033	563358.48	4235511.09	5.38E-07	4.43E-07	9.81E-07	9.13E-08	7.10E-08	1.62E-07	4.34E-07	3.25E-07	7.59E-07	7.11E-08	6.30E-08	1.34E-07	5.31E-08	3.22E-08	8.53E-08
6034	563348.78	4235515.29	5.47E-07	4.50E-07	9.97E-07	9.28E-08	7.22E-08	1.65E-07	4.41E-07	3.30E-07	7.72E-07	7.23E-08	6.41E-08	1.36E-07	5.40E-08	3.27E-08	8.67E-08
6035	563339.07	4235519.49	5.55E-07	4.57E-07	1.01E-06	9.42E-08	7.33E-08	1.68E-07	4.48E-07	3.36E-07	7.84E-07	7.34E-08	6.51E-08	1.38E-07	5.48E-08	3.32E-08	8.81E-08
6036	563329.37	4235523.69	5.64E-07	4.64E-07	1.03E-06	9.57E-08	7.45E-08	1.70E-07	4.55E-07	3.41E-07	7.96E-07	7.46E-08	6.61E-08	1.41E-07	5.57E-08	3.37E-08	8.94E-08
6037	563319.66	4235527.89	5.72E-07	4.71E-07	1.04E-06	9.71E-08	7.55E-08	1.73E-07	4.62E-07	3.46E-07	8.08E-07	7.56E-08	6.70E-08	1.43E-07	5.65E-08	3.42E-08	9.07E-08
6038	563304.77	4235531.07	5.88E-07	4.84E-07	1.07E-06	9.98E-08	7.77E-08	1.77E-07	4.75E-07	3.55E-07	8.30E-07	7.78E-08	6.89E-08	1.47E-07	5.81E-08	3.52E-08	9.33E-08
6039	563294.39	4235529.05	6.04E-07	4.98E-07	1.10E-06	1.03E-07	7.98E-08	1.82E-07	4.88E-07	3.65E-07	8.53E-07	7.99E-08	7.08E-08	1.51E-07	5.97E-08	3.62E-08	9.58E-08
6040	563284.02	4235527.02	6.20E-07	5.11E-07	1.13E-06	1.05E-07	8.19E-08	1.87E-07	5.01E-07	3.75E-07	8.76E-07	8.20E-08	7.27E-08	1.55E-07	6.13E-08	3.71E-08	9.84E-08
6041	563273.64	4235524.99	6.37E-07	5.24E-07	1.16E-06	1.08E-07	8.41E-08	1.92E-07	5.14E-07	3.85E-07	8.99E-07	8.42E-08	7.46E-08	1.59E-07	6.29E-08	3.81E-08	1.01E-07

6042	563263.26	4235522.96	6.52E-07	5.38E-07	1.19E-06	1.11E-07	8.62E-08	1.97E-07	5.27E-07	3.94E-07	9.21E-07	8.63E-08	7.65E-08	1.63E-07	6.44E-08	3.91E-08	1.03E-07
6043	563252.88	4235520.93	6.68E-07	5.51E-07	1.22E-06	1.13E-07	8.83E-08	2.02E-07	5.40E-07	4.04E-07	9.43E-07	8.84E-08	7.83E-08	1.67E-07	6.60E-08	4.00E-08	1.06E-07
6044	563242.51	4235518.9	6.83E-07	5.63E-07	1.25E-06	1.16E-07	9.03E-08	2.06E-07	5.52E-07	4.13E-07	9.65E-07	9.04E-08	8.01E-08	1.70E-07	6.75E-08	4.09E-08	1.08E-07
6045	563232.13	4235516.87	6.98E-07	5.75E-07	1.27E-06	1.18E-07	9.22E-08	2.11E-07	5.64E-07	4.22E-07	9.86E-07	9.23E-08	8.18E-08	1.74E-07	6.90E-08	4.18E-08	1.11E-07
6046	563221.75	4235514.84	7.12E-07	5.87E-07	1.30E-06	1.21E-07	9.41E-08	2.15E-07	5.75E-07	4.31E-07	1.01E-06	9.42E-08	8.35E-08	1.78E-07	7.04E-08	4.26E-08	1.13E-07
6047	563211.37	4235512.82	7.26E-07	5.98E-07	1.32E-06	1.23E-07	9.59E-08	2.19E-07	5.86E-07	4.39E-07	1.02E-06	9.60E-08	8.51E-08	1.81E-07	7.17E-08	4.35E-08	1.15E-07
6048	563201	4235510.79	7.39E-07	6.08E-07	1.35E-06	1.25E-07	9.75E-08	2.23E-07	5.96E-07	4.46E-07	1.04E-06	9.77E-08	8.65E-08	1.84E-07	7.29E-08	4.42E-08	1.17E-07
6049	563190.62	4235508.76	7.50E-07	6.18E-07	1.37E-06	1.27E-07	9.91E-08	2.26E-07	6.06E-07	4.53E-07	1.06E-06	9.92E-08	8.79E-08	1.87E-07	7.41E-08	4.49E-08	1.19E-07
6050	563180.24	4235506.73	7.61E-07	6.27E-07	1.39E-06	1.29E-07	1.00E-07	2.30E-07	6.14E-07	4.60E-07	1.07E-06	1.01E-07	8.92E-08	1.90E-07	7.51E-08	4.55E-08	1.21E-07
6051	563169.86	4235504.7	7.70E-07	6.35E-07	1.40E-06	1.31E-07	1.02E-07	2.32E-07	6.22E-07	4.65E-07	1.09E-06	1.02E-07	9.03E-08	1.92E-07	7.61E-08	4.61E-08	1.22E-07
6052	563159.49	4235502.67	7.78E-07	6.41E-07	1.42E-06	1.32E-07	1.03E-07	2.35E-07	6.28E-07	4.70E-07	1.10E-06	1.03E-07	9.12E-08	1.94E-07	7.69E-08	4.66E-08	1.23E-07
6053	563149.11	4235500.64	7.85E-07	6.47E-07	1.43E-06	1.33E-07	1.04E-07	2.37E-07	6.34E-07	4.75E-07	1.11E-06	1.04E-07	9.20E-08	1.96E-07	7.75E-08	4.70E-08	1.25E-07
6054	563138.73	4235498.61	7.91E-07	6.52E-07	1.44E-06	1.34E-07	1.04E-07	2.39E-07	6.39E-07	4.78E-07	1.12E-06	1.05E-07	9.27E-08	1.97E-07	7.81E-08	4.73E-08	1.25E-07
6055	563128.35	4235496.59	7.96E-07	6.55E-07	1.45E-06	1.35E-07	1.05E-07	2.40E-07	6.42E-07	4.81E-07	1.12E-06	1.05E-07	9.32E-08	1.98E-07	7.86E-08	4.76E-08	1.26E-07
6056	563117.98	4235494.56	7.98E-07	6.58E-07	1.46E-06	1.35E-07	1.05E-07	2.41E-07	6.45E-07	4.83E-07	1.13E-06	1.06E-07	9.36E-08	1.99E-07	7.89E-08	4.78E-08	1.27E-07
6057	563107.6	4235492.53	7.99E-07	6.58E-07	1.46E-06	1.36E-07	1.06E-07	2.41E-07	6.45E-07	4.83E-07	1.13E-06	1.06E-07	9.37E-08	1.99E-07	7.89E-08	4.78E-08	1.27E-07
6058	563097.22	4235490.5	7.98E-07	6.57E-07	1.46E-06	1.35E-07	1.05E-07	2.41E-07	6.44E-07	4.82E-07	1.13E-06	1.06E-07	9.35E-08	1.99E-07	7.88E-08	4.78E-08	1.27E-07
6059	563086.84	4235488.47	7.96E-07	6.56E-07	1.45E-06	1.35E-07	1.05E-07	2.40E-07	6.43E-07	4.81E-07	1.12E-06	1.05E-07	9.33E-08	1.99E-07	7.86E-08	4.76E-08	1.26E-07
6060	563076.47	4235486.44	7.92E-07	6.53E-07	1.44E-06	1.34E-07	1.05E-07	2.39E-07	6.40E-07	4.79E-07	1.12E-06	1.05E-07	9.28E-08	1.98E-07	7.82E-08	4.74E-08	1.26E-07
6061	563066.09	4235484.41	7.86E-07	6.48E-07	1.43E-06	1.33E-07	1.04E-07	2.37E-07	6.35E-07	4.75E-07	1.11E-06	1.04E-07	9.21E-08	1.96E-07	7.76E-08	4.70E-08	1.25E-07
6062	563055.71	4235482.38	7.77E-07	6.40E-07	1.42E-06	1.32E-07	1.03E-07	2.35E-07	6.28E-07	4.70E-07	1.10E-06	1.03E-07	9.11E-08	1.94E-07	7.68E-08	4.65E-08	1.23E-07
6063	563045.33	4235480.36	7.67E-07	6.32E-07	1.40E-06	1.30E-07	1.01E-07	2.31E-07	6.19E-07	4.63E-07	1.08E-06	1.01E-07	8.98E-08	1.91E-07	7.57E-08	4.59E-08	1.22E-07
6064	563034.96	4235478.33	7.54E-07	6.21E-07	1.38E-06	1.28E-07	9.96E-08	2.28E-07	6.09E-07	4.56E-07	1.06E-06	9.97E-08	8.84E-08	1.88E-07	7.45E-08	4.51E-08	1.20E-07
6065	563024.58	4235476.3	7.40E-07	6.10E-07	1.35E-06	1.26E-07	9.78E-08	2.23E-07	5.98E-07	4.48E-07	1.05E-06	9.79E-08	8.68E-08	1.85E-07	7.31E-08	4.43E-08	1.17E-07
6066	563014.2	4235474.27	7.25E-07	5.98E-07	1.32E-06	1.23E-07	9.58E-08	2.19E-07	5.86E-07	4.38E-07	1.02E-06	9.59E-08	8.50E-08	1.81E-07	7.16E-08	4.34E-08	1.15E-07
6067	563003.82	4235472.24	7.09E-07	5.84E-07	1.29E-06	1.20E-07	9.37E-08	2.14E-07	5.73E-07	4.29E-07	1.00E-06	9.38E-08	8.31E-08	1.77E-07	7.00E-08	4.24E-08	1.12E-07
6068	562993.45	4235470.21	6.92E-07	5.70E-07	1.26E-06	1.17E-07	9.14E-08	2.09E-07	5.59E-07	4.18E-07	9.77E-07	9.15E-08	8.11E-08	1.73E-07	6.84E-08	4.14E-08	1.10E-07
6069	562983.07	4235468.18	6.75E-07	5.56E-07	1.23E-06	1.14E-07	8.91E-08	2.04E-07	5.45E-07	4.08E-07	9.52E-07	8.92E-08	7.90E-08	1.68E-07	6.66E-08	4.04E-08	1.07E-07
6070	563629.36	4235392.14	3.64E-07	3.00E-07	6.64E-07	6.17E-08	4.81E-08	1.10E-07	2.94E-07	2.20E-07	5.14E-07	4.81E-08	4.26E-08	9.08E-08	3.59E-08	2.18E-08	5.77E-08
6071	563646.57	4235428.03	3.36E-07	2.77E-07	6.13E-07	5.71E-08	4.44E-08	1.01E-07	2.72E-07	2.03E-07	4.75E-07	4.45E-08	3.94E-08	8.39E-08	3.32E-08	2.01E-08	5.33E-08
6072	563636.94	4235432.19	3.43E-07	2.83E-07	6.26E-07	5.82E-08	4.53E-08	1.04E-07	2.77E-07	2.07E-07	4.84E-07	4.54E-08	4.02E-08	8.56E-08	3.39E-08	2.05E-08	5.44E-08
6073	563627.31	4235436.36	3.49E-07	2.88E-07	6.37E-07	5.92E-08	4.61E-08	1.05E-07	2.82E-07	2.11E-07	4.93E-07	4.62E-08	4.09E-08	8.71E-08	3.45E-08	2.09E-08	5.54E-08
6074	563617.68	4235440.53	3.54E-07	2.92E-07	6.46E-07	6.01E-08	4.68E-08	1.07E-07	2.86E-07	2.14E-07	5.00E-07	4.69E-08	4.15E-08	8.84E-08	3.50E-08	2.12E-08	5.62E-08
6075	563608.04	4235444.7	3.59E-07	2.96E-07	6.55E-07	6.09E-08	4.74E-08	1.08E-07	2.90E-07	2.17E-07	5.07E-07	4.75E-08	4.21E-08	8.95E-08	3.55E-08	2.15E-08	5.69E-08
6076	563598.41	4235448.87	3.64E-07	3.00E-07	6.64E-07	6.17E-08	4.81E-08	1.10E-07	2.94E-07	2.20E-07	5.14E-07	4.81E-08	4.26E-08	9.08E-08	3.59E-08	2.18E-08	5.77E-08
6077	563588.78	4235453.04	3.69E-07	3.04E-07	6.73E-07	6.26E-08	4.87E-08	1.11E-07	2.98E-07	2.23E-07	5.21E-07	4.88E-08	4.32E-08	9.20E-08	3.64E-08	2.21E-08	5.85E-08
6078	563579.15	4235457.21	3.74E-07	3.08E-07	6.82E-07	6.35E-08	4.94E-08	1.13E-07	3.02E-07	2.26E-07	5.28E-07	4.95E-08	4.38E-08	9.33E-08	3.70E-08	2.24E-08	5.93E-08
6079	563569.52	4235461.38	3.80E-07	3.13E-07	6.93E-07	6.44E-08	5.01E-08	1.15E-07	3.07E-07	2.29E-07	5.36E-07	5.02E-08	4.45E-08	9.47E-08	3.75E-08	2.27E-08	6.02E-08
6080	563559.88	4235465.55	3.86E-07	3.18E-07	7.03E-07	6.54E-08	5.09E-08	1.16E-07	3.11E-07	2.33E-07	5.44E-07	5.10E-08	4.52E-08	9.62E-08	3.81E-08	2.31E-08	6.12E-08
6081	563550.25	4235469.72	3.91E-07	3.22E-07	7.12E-07	6.63E-08	5.16E-08	1.18E-07	3.15E-07	2.36E-07	5.51E-07	5.17E-08	4.58E-08	9.74E-08	3.86E-08	2.34E-08	6.20E-08
6082	563540.62	4235473.89	3.94E-07	3.24E-07	7.18E-07	6.68E-08	5.20E-08	1.19E-07	3.18E-07	2.38E-07	5.56E-07	5.21E-08	4.61E-08	9.82E-08	3.89E-08	2.36E-08	6.25E-08
6083	563530.99	4235478.05	3.97E-07	3.27E-07	7.24E-07	6.73E-08	5.24E-08	1.20E-07	3.20E-07	2.40E-07	5.60E-07	5.25E-08	4.65E-08	9.90E-08	3.92E-08	2.37E-08	6.29E-08
6084	563521.35	4235482.22	3.99E-07	3.29E-07	7.29E-07	6.78E-08	5.28E-08	1.21E-07	3.23E-07	2.41E-07	5.64E-07	5.28E-08	4.68E-08	9.96E-08	3.94E-08	2.39E-08	6.34E-08
6085	563511.72	4235486.39	4.02E-07	3.31E-07	7.33E-07	6.82E-08	5.31E-08	1.21E-07	3.25E-07	2.43E-07	5.68E-07	5.32E-08	4.71E-08	1.00E-07	3.97E-08	2.41E-08	6.38E-08
6086	563502.09	4235490.56	4.05E-07	3.33E-07	7.38E-07	6.87E-08	5.35E-08	1.22E-07	3.27E-07	2.45E-07	5.71E-07	5.35E-08	4.74E-08	1.01E-07	4.00E-08	2.42E-08	6.42E-08
6087	563492.46	4235494.73	4.08E-07	3.36E-07	7.44E-07	6.92E-08	5.39E-08	1.23E-07	3.29E-07	2.47E-07	5.76E-07	5.40E-08	4.78E-08	1.02E-07	4.03E-08	2.44E-08	6.47E-08
6088	563482.82	4235498.9	4.12E-07	3.40E-07	7.52E-07	7.00E-08	5.44E-08	1.24E-07	3.33E-07	2.49E-07	5.82E-07	5.45E-08	4.83E-08	1.03E-07	4.07E-08	2.47E-08	6.54E-08
6089	563473.19	4235503.07	4.18E-07	3.44E-07	7.63E-07	7.09E-08	5.52E-08	1.26E-07	3.38E-07	2.53E-07	5.90E-07	5.53E-08	4.90E-08	1.04E-07	4.13E-08	2.50E-08	6.63E-08
6090	563463.56	4235507.24	4.24E-07	3.50E-07	7.74E-07	7.20E-08	5.61E-08	1.28E-07	3.43E-07	2.57E-07	5.99E-07	5.61E-08	4.97E-08	1.06E-07	4.19E-08	2.54E-08	6.73E-08
6091	563453.93	4235511.41	4.31E-07	3.55E-07	7.86E-07	7.32E-08	5.70E-08	1.30E-07	3.48E-07	2.61E-07	6.09E-07	5.70E-08	5.05E-08	1.08E-07	4.26E-08	2.58E-08	6.84E-08
6092	563444.3	4235515.58	4.38E-07	3.61E-07	7.98E-07	7.43E-08	5.78E-08	1.32E-07	3.53E-07	2.65E-07	6.18E-07	5.79E-08	5.13E-08	1.09E-07	4.32E-08	2.62E-08	6.94E-08
6093	563434.66	4235519.74	4.44E-07	3.66E-07	8.10E-07	7.53E-08	5.87E-08	1.34E-07	3.59E-07	2.68E-07	6.27E-07	5.87E-08	5.20E-08	1.11E-07	4.39E-08	2.66E-08	7.04E-08
6094	563425.03	4235523.91	4.50E-07	3.71E-07	8.21E-07	7.64E-08	5.95E-08	1.36E-07	3.64E-07	2.72E-07	6.36E-07	5.96E-08	5.28E-08	1.12E-07	4.45E-08	2.70E-08	7.14E-08
6095	563415.4	4235528.08	4.56E-07	3.76E-07	8.32E-07	7.74E-08	6.03E-08	1.38E-07	3.68E-07	2.76E-07	6.44E-07	6.03E-08	5.35E-08	1.14E-07	4.51E-08	2.73E-08	7.24E-08
6096	563405.77	4235532.25	4.62E-07	3.81E-07	8.43E-07	7.84E-08	6.10E-08	1.39E-07	3.73E-07	2.79E-07	6.52E-07	6.11E-08	5.42E-08	1.15E-07	4.56E-08	2.77E-08	7.33E-08
6097	563396.13	4235536.42	4.68E-07	3.86E-07	8.54E-07	7.94E-08	6.18E-08	1.41E-07	3.78E-07	2.83E-07	6.61E-07	6.19E-08	5.48E-08	1.17E-07	4.62E-08	2.80E-08	7.42E-08
6098	563386.5	4235540.59	4.75E-07	3.92E-07	8.67E-07	8.06E-08	6.28E-08	1.43E-07	3.84E-07	2.87E-07	6.71E-07	6.28E-08	5.57E-08	1.19E-07	4.69E-08	2.84E-08	7.54E-08
6099	563376.87	4235544.76	4.83E-07	3.98E-07	8.80E-07	8.19E-08	6.38E-08	1.46E-07	3.90E-07	2.92E-07	6.81E-07	6.38E-08	5.66E-08	1.20E-07	4.77E-08	2.89E-08	7.66E-08
6100	563367.24	4235548.93	4.90E-07	4.04E-07	8.94E-07	8.32E-08	6.48E-08	1.48E-07	3.96E-07	2.96E-07	6.92E-07	6.48E-08	5.75E-08	1.22E-07	4.84E-08	2.93E-08	7.78E-08
6101	563357.6	4235553.1	4.98E-07	4.10E-07	9.08E-07	8.45E-08	6.57E-08	1.50E-07	4.02E-07	3.01E-07	7.03E-07	6.58E-08	5.83E-08	1.24E-07	4.92E-08	2.98E-08	7.90E-08
6102	563347.97	4235557.27	5.05E-07	4.16E-07	9.22E-07	8.57E-08	6.67E-08	1.52E-07	4.08E-07	3.05E-07	7.13E-07	6.68E-08	5.92E-08	1.26E-07	4.99E-08	3.02E-08	8.02E-08
6103	563338.34	4235561.43	5.13E-07	4.22E-07	9.35E-07	8.70E-08	6.77E-08	1.55E-07	4.14E-07	3.10E-07	7.24E-07	6.78E-08	6.01E-08	1.28E-07	5.06E-08	3.07E-08	8.13E-08
6104	563328.71	4235565.6	5.20E-07	4.28E-07	9.48E-07	8.82E-08	6.87E-08	1.57E-07	4.20E-07	3.14E-07	7.34E-07	6.88E-08	6.09E-08	1.30E-07	5.14E-08	3.11E-08	8.25E-08
6105	563319.08	4235569.77	5.27E-07	4.34E-07	9.61E-07	8.94E-08	6.96E-08	1.59E-07	4.26E-07	3.18E-07	7.44E-07	6.97E-08	6.18E-08	1.31E-07	5.20E-08	3.15E-08	8.36E-08
6106	563309.11	4235570.85	5.37E-07	4.43E-07	9.80E-07	9.12E-08	7.10E-08	1.62E-07	4.34E-07	3.25E-07	7.59E-07	7.11E-08	6.30E-08	1.34E-07	5.31E-08	3.22E-08	8.52E-08
6107	563298.81	4235568.84	5.51E-07	4.54E-07	1.01E-06	9.36E-08	7.28E-08	1.66E-07	4.45E-07	3.33E-07	7.78E-07	7.29E-08	6.46E-08	1.38E-07	5.45E-08	3.30E-08	8.75E-08
6108	563288.51	4235566.82	5.65E-07	4.66E-07	1.03E-06	9.59E-08	7.47E-08	1.71E-07	4.56E-07	3.42E-07	7.98E-07	7.48E-08	6.63E-08	1.41E-07	5.58E-08	3.38E-08	8.97E-08
6109	563278.21	4235564.81	5.79E-07	4.77E-07	1.06E-06	9.83E-08	7.65E-08	1.75E-07	4.68E-07	3.50E-07	8.18E-07	7.66E-08	6.79E-08	1.44E-07	5.72E-08	3.47E-08	9.19E-08
6110	563267.91	4235562.8	5.93E-07	4.89E-07	1.08E-06	1.01E-07	7.83E-08	1.79E-07	4.79E-07	3.58E-07	8.37E-07	7.84E-08	6.95E-08	1.48E-07	5.86E-08	3.55E-08	9.41E-08
6111	563257.6	4235560.78	6.07E-07	5.00E-07	1.11E-06	1.03E-07	8.01E-08	1.83E-07	4.90E-07	3.67E-07	8.57E-07	8.02E-08	7.11E-08	1.51E-07	5.99E-08	3.63E-08	9.62E-08
6112	563247.3	4235558.77	6.20E-07	5.11E-07	1.13E-06	1.05E-07	8.19E-08	1.87E-07	5.01E-07	3.75E-07	8.75E-07	8.20E-08	7.27E-08	1.55E-07	6.12E-08	3.71E-08	9.84E-08
6113	563237	4235556.75	6.33E-07	5.22E-07	1.15E-06	1.07E-07	8.36E-08	1.91E-07	5.11E-07	3.83E-07	8.94E-07	8.37E-08	7.42E-08	1.58E-07	6.25E-08	3.79E-08	1.00E-07
6114	563226.7	4235554.74	6.46E-07	5.32E-07	1.18E-06	1.10E-07	8.53E-08	1.95E-07	5.21E-07	3.90E-07	9.11E-07	8.54E-08	7.56E-08	1.61E-07	6.37E-08	3.86E-08	1.02E-07
6115	563216.4	4235552.73	6.57E-07	5.42E-07	1.20E-06	1.12E-07	8.68E-08	1.98E-07	5.31E-07	3.97E-07	9.28E-07	8.69E-08	7.70E-08	1.64E-07	6.49E-08	3.93E-08	1.04E-07
6116	563206.1	4235550.71	6.69E-07	5.51E-07	1.22E-06	1.13E-07	8.83E-08	2.02E-07	5.40E-07	4.04E-07	9.44E-07	8.84E-08	7.84E-08	1.67E-07	6.60E-08	4.00E-08	1.06E-07
6117	563195.8	4235548.7	6.79E-07	5.60E-07	1.24E-06	1.15E-07	8.97E-08	2.05E-07	5.48E-07	4.10E-07	9.59E-07	8.98E-08	7.96E-08	1.69E-07	6.71E-08	4.07E-08	1.08E-07
6118	563185.5	4235546.69	6.89E-07	5.68E-07	1.26E-06	1.17E-07	9.10E-08	2.08E-07	5.56E-07	4.16E-07	9.73E-07	9.11E-08	8.07E-08	1.72E-07	6.80E-08	4.12E-08	1.09E-07
6119	563175.2	4235544.67	6.98E-07	5.75E-07	1.27E-06	1.18E-07	9.22E-08	2.11E-07	5.63E-07	4.22E-07	9.85E-07	9.23E-08	8.18E-08	1.74E-07	6.89E-08	4.18E-08	1.11E-07
6120	563164.9	4235542.66	7.06E-07	5.81E-07	1.29E-06	1.20E-07	9.32E-08	2.13E-07	5.70E-07	4.26E-07	9.96E-07	9.33E-08	8.27E-08	1.76E-07	6.97E-08	4.22E-08	1.12E-07
6121	563154.6	4235540.64	7.12E-07	5.87E-07	1.30E-06	1.21E-07	9.41E-08	2.15E-07	5.75E-07	4.30E-07	1.01E-06	9.42E-08	8.35E-08	1.78E-07	7.03E-08	4.26E-08	1.13E-07
6122	563144.3	4235538.63	7.18E-07	5.91E-07	1.31E-06	1.22E-07	9.48E-08	2.17E-07	5.80E-07	4.34E-07	1.01E-06	9.49E-08	8.41E-08	1.79E-07	7.09E-08	4.30E-08	1.14E-07
6123	563133.99	4235536.62	7.22E-07	5.95E-07	1.32E-06	1.23E-07	9.54E-08	2.18E-07	5.83E-07	4.36E-07	1.02E-06	9.55E-08	8.46E-08	1.80E-07	7.13E-08	4.32E-08	1.15E-07
6124	563123.69	4235534.6	7.25E-07	5.97E-07	1.32E-06	1.23E-07	9.58E-08	2.19E-07	5.85E-07	4.38E-07	1.02E-06	9.59E-08	8.50E-08	1.81E-07	7.16E-08	4.34E-08	1.15E-07
6125	563113.39	4235532.59	7.27E-07	5.99E-07	1.33E-06	1.23E-07	9.60E-08	2.19E-07	5.87E-07	4.39E-07	1.03E-06	9.61E-08	8.51E-08	1.81E-07	7.18E-08	4.35E-08	1.15E-07
6126	563103.09	4235530.58	7.27E-07	5.99E-07	1.33E-06	1.23E-07	9.60E-08	2.19E-07	5.87E-07	4.39E-07	1.03E-06	9.61E-08	8.52E-08	1.81E-07	7.18E-08	4.35E-08	1.15E-07
6127	563092.79	4235528.56	7.25E-07	5.98E-07	1.32E-06	1.23E-07	9.58E-08	2.19E-07	5.86E-07	4.38E-07	1.02E-06	9.59E-08	8.50E-08	1.81E-07	7.16E-08	4.34E-08	1.15E-07
6128	563082.49	4235526.55	7.23E-07	5.96E-07	1.32E-06	1.23E-07	9.55E-08	2.18E-07	5.84E-07	4.37E-07	1.02E-06	9.56E-08	8.47E-08	1.80E-07	7.14E-08	4.33E-08	1.15E-07
6129	563072.19	4235524.53	7.20E-07	5.93E-07	1.31E-06	1.22E-07	9.51E-08	2.17E-07	5.81E-07	4.35E-07	1.02E-06	9.52E-08	8.44E-08	1.80E-07	7.11E-08	4.31E-08	1.14E-07
6130	563061.89	4235522.52	7.15E-07	5.89E-07	1.30E-06	1.21E-07	9.45E-08	2.16E-07	5.78E-07	4.32E-07	1.01E-06	9.46E-08	8.38E-08	1.78E-07	7.06E-08	4.28E-08	1.13E-07
6131	563051.59	4235520.51	7.08E-07	5.84E-07	1.29E-06	1.20E-07	9.36E-08	2.14E-07	5.72E-07	4.28E-07	1.00E-06	9.37E-08	8.30E-08	1.77E-07	7.00E-08	4.24E-08	1.12E-07
6132	563041.29	4235518.49	7.00E-07	5.77E-07	1.28E-06	1.19E-07	9.25E-08	2.11E-07	5.65E-07	4.23E-07	9.88E-07	9.26E-08	8.20E-08	1.75E-07	6.91E-08	4.19E-08	1.11E-07
6133	563030.99	4235516.48	6.91E-07	5.69E-07	1.26E-06	1.17E-07	9.12E-08	2.08E-07	5.58E-07	4.17E-07	9.75E-07	9.13E-08	8.09E-08	1.72E-07	6.82E-08	4.13E-08	1.10E-07
6134	563020.69	4235514.47	6.80E-07	5.60E-07	1.24E-06	1.15E-07	8.98E-08	2.05E-07	5.49E-07	4.11E-07	9.60E-07	9.00E-08	7.97E-08	1.70E-07	6.72E-08	4.07E-08	1.08E-07

6135	563010.38	4235512.45	6.68E-07	5.51E-07	1.22E-06	1.13E-07	8.83E-08	2.02E-07	5.40E-07	4.04E-07	9.44E-07	8.84E-08	7.83E-08	1.67E-07	6.60E-08	4.00E-08	1.06E-07
6136	563000.08	4235510.44	6.55E-07	5.40E-07	1.20E-06	1.11E-07	8.65E-08	1.98E-07	5.29E-07	3.96E-07	9.25E-07	8.67E-08	7.68E-08	1.63E-07	6.47E-08	3.92E-08	1.04E-07
6137	562989.78	4235508.42	6.41E-07	5.28E-07	1.17E-06	1.09E-07	8.46E-08	1.93E-07	5.17E-07	3.87E-07	9.05E-07	8.47E-08	7.51E-08	1.60E-07	6.33E-08	3.84E-08	1.02E-07
6138	562979.48	4235506.41	6.26E-07	5.16E-07	1.14E-06	1.06E-07	8.26E-08	1.89E-07	5.05E-07	3.78E-07	8.83E-07	8.28E-08	7.33E-08	1.56E-07	6.18E-08	3.75E-08	9.93E-08
6139	562969.18	4235504.4	6.10E-07	5.03E-07	1.11E-06	1.04E-07	8.06E-08	1.84E-07	4.93E-07	3.69E-07	8.62E-07	8.07E-08	7.15E-08	1.52E-07	6.03E-08	3.65E-08	9.68E-08
6140	563655.41	4235422.49	3.30E-07	2.72E-07	6.03E-07	5.61E-08	4.36E-08	9.97E-08	2.67E-07	2.00E-07	4.66E-07	4.37E-08	3.87E-08	8.24E-08	3.26E-08	1.98E-08	5.24E-08
6141	563672.59	4235458.39	3.07E-07	2.53E-07	5.59E-07	5.20E-08	4.05E-08	9.25E-08	2.48E-07	1.85E-07	4.33E-07	4.05E-08	3.59E-08	7.65E-08	3.03E-08	1.83E-08	4.86E-08
6142	563662.89	4235462.59	3.13E-07	2.58E-07	5.70E-07	5.31E-08	4.13E-08	9.44E-08	2.52E-07	1.89E-07	4.41E-07	4.13E-08	3.66E-08	7.80E-08	3.09E-08	1.87E-08	4.96E-08
6143	563653.19	4235466.79	3.19E-07	2.62E-07	5.81E-07	5.41E-08	4.21E-08	9.61E-08	2.57E-07	1.93E-07	4.50E-07	4.21E-08	3.73E-08	7.95E-08	3.15E-08	1.91E-08	5.05E-08
6144	563643.49	4235470.99	3.24E-07	2.67E-07	5.91E-07	5.50E-08	4.28E-08	9.78E-08	2.62E-07	1.96E-07	4.58E-07	4.29E-08	3.80E-08	8.09E-08	3.20E-08	1.94E-08	5.14E-08
6145	563633.79	4235475.19	3.30E-07	2.72E-07	6.01E-07	5.59E-08	4.35E-08	9.95E-08	2.66E-07	1.99E-07	4.65E-07	4.36E-08	3.86E-08	8.22E-08	3.26E-08	1.97E-08	5.23E-08
6146	563624.09	4235479.39	3.34E-07	2.75E-07	6.09E-07	5.66E-08	4.41E-08	1.01E-07	2.70E-07	2.02E-07	4.71E-07	4.41E-08	3.91E-08	8.33E-08	3.30E-08	2.00E-08	5.29E-08
6147	563614.39	4235483.58	3.38E-07	2.78E-07	6.16E-07	5.74E-08	4.46E-08	1.02E-07	2.73E-07	2.04E-07	4.77E-07	4.47E-08	3.96E-08	8.43E-08	3.34E-08	2.02E-08	5.36E-08
6148	563604.69	4235487.78	3.43E-07	2.82E-07	6.25E-07	5.81E-08	4.52E-08	1.03E-07	2.77E-07	2.07E-07	4.84E-07	4.53E-08	4.01E-08	8.54E-08	3.38E-08	2.05E-08	5.43E-08
6149	563594.99	4235491.98	3.48E-07	2.86E-07	6.34E-07	5.90E-08	4.59E-08	1.05E-07	2.81E-07	2.10E-07	4.91E-07	4.60E-08	4.07E-08	8.67E-08	3.43E-08	2.08E-08	5.51E-08
6150	563585.29	4235496.18	3.52E-07	2.90E-07	6.43E-07	5.98E-08	4.65E-08	1.06E-07	2.84E-07	2.13E-07	4.97E-07	4.66E-08	4.13E-08	8.79E-08	3.48E-08	2.11E-08	5.59E-08
6151	563575.6	4235500.38	3.56E-07	2.93E-07	6.49E-07	6.04E-08	4.70E-08	1.07E-07	2.87E-07	2.15E-07	5.02E-07	4.70E-08	4.17E-08	8.87E-08	3.51E-08	2.13E-08	5.64E-08
6152	563565.9	4235504.57	3.58E-07	2.95E-07	6.53E-07	6.07E-08	4.73E-08	1.08E-07	2.89E-07	2.16E-07	5.05E-07	4.73E-08	4.19E-08	8.93E-08	3.53E-08	2.14E-08	5.68E-08
6153	563556.2	4235508.77	3.60E-07	2.96E-07	6.56E-07	6.10E-08	4.75E-08	1.09E-07	2.90E-07	2.17E-07	5.08E-07	4.76E-08	4.21E-08	8.97E-08	3.55E-08	2.15E-08	5.70E-08
6154	563546.5	4235512.97	3.62E-07	2.98E-07	6.60E-07	6.14E-08	4.78E-08	1.09E-07	2.92E-07	2.19E-07	5.11E-07	4.78E-08	4.24E-08	9.02E-08	3.57E-08	2.16E-08	5.74E-08
6155	563536.8	4235517.17	3.64E-07	3.00E-07	6.64E-07	6.18E-08	4.81E-08	1.10E-07	2.94E-07	2.20E-07	5.14E-07	4.82E-08	4.27E-08	9.08E-08	3.60E-08	2.18E-08	5.78E-08
6156	563527.1	4235521.37	3.67E-07	3.02E-07	6.69E-07	6.23E-08	4.85E-08	1.11E-07	2.96E-07	2.22E-07	5.18E-07	4.85E-08	4.30E-08	9.15E-08	3.62E-08	2.20E-08	5.82E-08
6157	563517.4	4235525.56	3.70E-07	3.05E-07	6.74E-07	6.27E-08	4.88E-08	1.12E-07	2.99E-07	2.23E-07	5.22E-07	4.89E-08	4.33E-08	9.22E-08	3.65E-08	2.21E-08	5.86E-08
6158	563507.7	4235529.76	3.74E-07	3.08E-07	6.82E-07	6.34E-08	4.94E-08	1.13E-07	3.02E-07	2.26E-07	5.28E-07	4.94E-08	4.38E-08	9.32E-08	3.69E-08	2.24E-08	5.93E-08
6159	563498	4235533.96	3.79E-07	3.12E-07	6.91E-07	6.42E-08	5.00E-08	1.14E-07	3.06E-07	2.29E-07	5.35E-07	5.01E-08	4.44E-08	9.44E-08	3.74E-08	2.27E-08	6.01E-08
6160	563488.3	4235538.16	3.84E-07	3.16E-07	7.01E-07	6.52E-08	5.07E-08	1.16E-07	3.10E-07	2.32E-07	5.42E-07	5.08E-08	4.50E-08	9.58E-08	3.79E-08	2.30E-08	6.09E-08
6161	563478.6	4235542.36	3.90E-07	3.21E-07	7.11E-07	6.61E-08	5.15E-08	1.18E-07	3.15E-07	2.36E-07	5.50E-07	5.15E-08	4.57E-08	9.72E-08	3.85E-08	2.33E-08	6.18E-08
6162	563468.9	4235546.55	3.95E-07	3.26E-07	7.21E-07	6.71E-08	5.22E-08	1.19E-07	3.19E-07	2.39E-07	5.58E-07	5.23E-08	4.63E-08	9.86E-08	3.90E-08	2.37E-08	6.27E-08
6163	563459.2	4235550.75	4.01E-07	3.30E-07	7.30E-07	6.80E-08	5.29E-08	1.21E-07	3.23E-07	2.42E-07	5.65E-07	5.30E-08	4.69E-08	9.99E-08	3.96E-08	2.40E-08	6.35E-08
6164	563449.5	4235554.95	4.06E-07	3.34E-07	7.40E-07	6.88E-08	5.36E-08	1.22E-07	3.27E-07	2.45E-07	5.73E-07	5.36E-08	4.75E-08	1.01E-07	4.01E-08	2.43E-08	6.43E-08
6165	563439.8	4235559.15	4.11E-07	3.38E-07	7.49E-07	6.97E-08	5.42E-08	1.24E-07	3.32E-07	2.48E-07	5.80E-07	5.43E-08	4.81E-08	1.02E-07	4.06E-08	2.46E-08	6.51E-08
6166	563430.1	4235563.35	4.16E-07	3.43E-07	7.58E-07	7.05E-08	5.49E-08	1.25E-07	3.36E-07	2.51E-07	5.87E-07	5.50E-08	4.87E-08	1.04E-07	4.11E-08	2.49E-08	6.59E-08
6167	563420.4	4235567.55	4.21E-07	3.47E-07	7.68E-07	7.15E-08	5.56E-08	1.27E-07	3.40E-07	2.54E-07	5.95E-07	5.57E-08	4.93E-08	1.05E-07	4.16E-08	2.52E-08	6.68E-08
6168	563410.7	4235571.74	4.27E-07	3.51E-07	7.78E-07	7.24E-08	5.63E-08	1.29E-07	3.44E-07	2.58E-07	6.02E-07	5.64E-08	5.00E-08	1.06E-07	4.21E-08	2.55E-08	6.77E-08
6169	563401	4235575.94	4.32E-07	3.56E-07	7.89E-07	7.34E-08	5.71E-08	1.30E-07	3.49E-07	2.61E-07	6.10E-07	5.72E-08	5.07E-08	1.08E-07	4.27E-08	2.59E-08	6.86E-08
6170	563391.31	4235580.14	4.39E-07	3.61E-07	8.00E-07	7.44E-08	5.79E-08	1.32E-07	3.54E-07	2.65E-07	6.19E-07	5.80E-08	5.14E-08	1.09E-07	4.33E-08	2.62E-08	6.96E-08
6171	563381.61	4235584.34	4.45E-07	3.67E-07	8.12E-07	7.55E-08	5.88E-08	1.34E-07	3.59E-07	2.69E-07	6.28E-07	5.89E-08	5.22E-08	1.11E-07	4.40E-08	2.66E-08	7.06E-08
6172	563371.91	4235588.54	4.52E-07	3.72E-07	8.24E-07	7.67E-08	5.97E-08	1.36E-07	3.65E-07	2.73E-07	6.38E-07	5.98E-08	5.30E-08	1.13E-07	4.46E-08	2.70E-08	7.17E-08
6173	563362.21	4235592.73	4.59E-07	3.78E-07	8.36E-07	7.78E-08	6.06E-08	1.38E-07	3.70E-07	2.77E-07	6.47E-07	6.06E-08	5.37E-08	1.14E-07	4.53E-08	2.74E-08	7.27E-08
6174	563352.51	4235596.93	4.65E-07	3.83E-07	8.48E-07	7.89E-08	6.14E-08	1.40E-07	3.76E-07	2.81E-07	6.57E-07	6.15E-08	5.45E-08	1.16E-07	4.59E-08	2.78E-08	7.38E-08
6175	563342.81	4235601.13	4.72E-07	3.89E-07	8.60E-07	8.00E-08	6.23E-08	1.42E-07	3.81E-07	2.85E-07	6.66E-07	6.24E-08	5.53E-08	1.18E-07	4.66E-08	2.82E-08	7.48E-08
6176	563333.11	4235605.33	4.78E-07	3.94E-07	8.72E-07	8.11E-08	6.32E-08	1.44E-07	3.86E-07	2.89E-07	6.75E-07	6.32E-08	5.60E-08	1.19E-07	4.72E-08	2.86E-08	7.58E-08
6177	563323.41	4235609.53	4.84E-07	3.99E-07	8.83E-07	8.22E-08	6.40E-08	1.46E-07	3.91E-07	2.93E-07	6.84E-07	6.41E-08	5.68E-08	1.21E-07	4.78E-08	2.90E-08	7.68E-08
6178	563313.37	4235610.61	4.94E-07	4.07E-07	9.00E-07	8.37E-08	6.52E-08	1.49E-07	3.99E-07	2.98E-07	6.97E-07	6.53E-08	5.78E-08	1.23E-07	4.87E-08	2.95E-08	7.83E-08
6179	563303	4235608.58	5.06E-07	4.17E-07	9.23E-07	8.58E-08	6.68E-08	1.53E-07	4.08E-07	3.06E-07	7.14E-07	6.69E-08	5.93E-08	1.26E-07	5.00E-08	3.03E-08	8.02E-08
6180	563292.63	4235606.56	5.18E-07	4.27E-07	9.45E-07	8.79E-08	6.84E-08	1.56E-07	4.18E-07	3.13E-07	7.32E-07	6.85E-08	6.07E-08	1.29E-07	5.12E-08	3.10E-08	8.22E-08
6181	563282.25	4235604.53	5.31E-07	4.37E-07	9.68E-07	9.00E-08	7.01E-08	1.60E-07	4.28E-07	3.21E-07	7.49E-07	7.02E-08	6.22E-08	1.32E-07	5.24E-08	3.18E-08	8.42E-08
6182	563271.88	4235602.5	5.43E-07	4.47E-07	9.90E-07	9.21E-08	7.17E-08	1.64E-07	4.38E-07	3.28E-07	7.66E-07	7.18E-08	6.36E-08	1.35E-07	5.36E-08	3.25E-08	8.61E-08
6183	563261.51	4235600.47	5.55E-07	4.57E-07	1.01E-06	9.41E-08	7.33E-08	1.67E-07	4.48E-07	3.35E-07	7.83E-07	7.34E-08	6.50E-08	1.38E-07	5.48E-08	3.32E-08	8.80E-08
6184	563251.14	4235598.44	5.67E-07	4.67E-07	1.03E-06	9.61E-08	7.48E-08	1.71E-07	4.58E-07	3.42E-07	8.00E-07	7.49E-08	6.64E-08	1.41E-07	5.60E-08	3.39E-08	8.99E-08
6185	563240.76	4235596.42	5.78E-07	4.76E-07	1.05E-06	9.81E-08	7.64E-08	1.74E-07	4.67E-07	3.49E-07	8.16E-07	7.65E-08	6.78E-08	1.44E-07	5.71E-08	3.46E-08	9.17E-08
6186	563230.39	4235594.39	5.89E-07	4.85E-07	1.07E-06	1.00E-07	7.78E-08	1.78E-07	4.76E-07	3.56E-07	8.32E-07	7.79E-08	6.91E-08	1.47E-07	5.82E-08	3.53E-08	9.35E-08
6187	563220.02	4235592.36	6.00E-07	4.94E-07	1.09E-06	1.02E-07	7.92E-08	1.81E-07	4.84E-07	3.63E-07	8.47E-07	7.93E-08	7.03E-08	1.50E-07	5.93E-08	3.59E-08	9.52E-08
6188	563209.65	4235590.33	6.10E-07	5.03E-07	1.11E-06	1.04E-07	8.06E-08	1.84E-07	4.93E-07	3.69E-07	8.61E-07	8.07E-08	7.15E-08	1.52E-07	6.03E-08	3.65E-08	9.68E-08
6189	563199.27	4235588.31	6.20E-07	5.11E-07	1.13E-06	1.05E-07	8.18E-08	1.87E-07	5.00E-07	3.75E-07	8.75E-07	8.19E-08	7.26E-08	1.55E-07	6.12E-08	3.71E-08	9.83E-08
6190	563188.9	4235586.28	6.29E-07	5.18E-07	1.15E-06	1.07E-07	8.30E-08	1.90E-07	5.08E-07	3.80E-07	8.87E-07	8.31E-08	7.37E-08	1.57E-07	6.21E-08	3.76E-08	9.97E-08
6191	563178.53	4235584.25	6.37E-07	5.25E-07	1.16E-06	1.08E-07	8.41E-08	1.92E-07	5.14E-07	3.85E-07	8.99E-07	8.42E-08	7.46E-08	1.59E-07	6.29E-08	3.81E-08	1.01E-07
6192	563168.16	4235582.22	6.44E-07	5.31E-07	1.17E-06	1.09E-07	8.51E-08	1.94E-07	5.20E-07	3.89E-07	9.09E-07	8.52E-08	7.55E-08	1.61E-07	6.36E-08	3.86E-08	1.02E-07
6193	563157.78	4235580.19	6.51E-07	5.36E-07	1.19E-06	1.10E-07	8.59E-08	1.96E-07	5.25E-07	3.93E-07	9.18E-07	8.60E-08	7.62E-08	1.62E-07	6.42E-08	3.89E-08	1.03E-07
6194	563147.41	4235578.17	6.56E-07	5.40E-07	1.20E-06	1.11E-07	8.66E-08	1.98E-07	5.30E-07	3.96E-07	9.26E-07	8.68E-08	7.69E-08	1.64E-07	6.48E-08	3.93E-08	1.04E-07
6195	563137.04	4235576.14	6.61E-07	5.44E-07	1.20E-06	1.12E-07	8.72E-08	1.99E-07	5.33E-07	3.99E-07	9.32E-07	8.73E-08	7.74E-08	1.65E-07	6.52E-08	3.95E-08	1.05E-07
6196	563126.66	4235574.11	6.64E-07	5.47E-07	1.21E-06	1.13E-07	8.77E-08	2.00E-07	5.36E-07	4.01E-07	9.37E-07	8.78E-08	7.78E-08	1.66E-07	6.56E-08	3.97E-08	1.05E-07
6197	563116.29	4235572.08	6.66E-07	5.49E-07	1.21E-06	1.13E-07	8.80E-08	2.01E-07	5.38E-07	4.03E-07	9.40E-07	8.81E-08	7.81E-08	1.66E-07	6.58E-08	3.99E-08	1.06E-07
6198	563105.92	4235570.06	6.67E-07	5.50E-07	1.22E-06	1.13E-07	8.81E-08	2.01E-07	5.39E-07	4.03E-07	9.42E-07	8.82E-08	7.82E-08	1.66E-07	6.59E-08	3.99E-08	1.06E-07
6199	563095.55	4235568.03	6.67E-07	5.49E-07	1.22E-06	1.13E-07	8.81E-08	2.01E-07	5.38E-07	4.03E-07	9.41E-07	8.82E-08	7.81E-08	1.66E-07	6.59E-08	3.99E-08	1.06E-07
6200	563085.17	4235566	6.65E-07	5.48E-07	1.21E-06	1.13E-07	8.79E-08	2.01E-07	5.37E-07	4.02E-07	9.39E-07	8.80E-08	7.80E-08	1.66E-07	6.57E-08	3.98E-08	1.06E-07
6201	563074.8	4235563.97	6.62E-07	5.46E-07	1.21E-06	1.12E-07	8.75E-08	2.00E-07	5.35E-07	4.00E-07	9.35E-07	8.76E-08	7.76E-08	1.65E-07	6.54E-08	3.96E-08	1.05E-07
6202	563064.43	4235561.94	6.58E-07	5.42E-07	1.20E-06	1.12E-07	8.69E-08	1.99E-07	5.31E-07	3.98E-07	9.29E-07	8.70E-08	7.71E-08	1.64E-07	6.50E-08	3.94E-08	1.04E-07
6203	563054.06	4235559.92	6.53E-07	5.38E-07	1.19E-06	1.11E-07	8.62E-08	1.97E-07	5.27E-07	3.94E-07	9.21E-07	8.63E-08	7.65E-08	1.63E-07	6.45E-08	3.91E-08	1.04E-07
6204	563043.68	4235557.89	6.46E-07	5.32E-07	1.18E-06	1.10E-07	8.53E-08	1.95E-07	5.21E-07	3.90E-07	9.12E-07	8.54E-08	7.57E-08	1.61E-07	6.38E-08	3.87E-08	1.02E-07
6205	563033.31	4235555.86	6.38E-07	5.25E-07	1.16E-06	1.08E-07	8.42E-08	1.92E-07	5.15E-07	3.85E-07	9.00E-07	8.43E-08	7.47E-08	1.59E-07	6.30E-08	3.82E-08	1.01E-07
6206	563022.94	4235553.83	6.30E-07	5.19E-07	1.15E-06	1.07E-07	8.31E-08	1.90E-07	5.08E-07	3.80E-07	8.89E-07	8.32E-08	7.38E-08	1.57E-07	6.22E-08	3.77E-08	9.98E-08
6207	563012.57	4235551.81	6.21E-07	5.11E-07	1.13E-06	1.05E-07	8.20E-08	1.87E-07	5.01E-07	3.75E-07	8.76E-07	8.21E-08	7.27E-08	1.55E-07	6.13E-08	3.71E-08	9.84E-08
6208	563002.19	4235549.78	6.11E-07	5.03E-07	1.11E-06	1.04E-07	8.07E-08	1.84E-07	4.93E-07	3.69E-07	8.63E-07	8.08E-08	7.16E-08	1.52E-07	6.03E-08	3.66E-08	9.69E-08
6209	562991.82	4235547.75	5.99E-07	4.94E-07	1.09E-06	1.02E-07	7.92E-08	1.81E-07	4.84E-07	3.62E-07	8.46E-07	7.93E-08	7.02E-08	1.50E-07	5.92E-08	3.59E-08	9.51E-08
6210	562981.45	4235545.72	5.87E-07	4.84E-07	1.07E-06	9.96E-08	7.75E-08	1.77E-07	4.74E-07	3.55E-07	8.29E-07	7.76E-08	6.88E-08	1.46E-07	5.80E-08	3.51E-08	9.31E-08
6211	562971.07	4235543.69	5.74E-07	4.73E-07	1.05E-06	9.74E-08	7.58E-08	1.73E-07	4.63E-07	3.47E-07	8.10E-07	7.59E-08	6.72E-08	1.43E-07	5.67E-08	3.43E-08	9.10E-08
6212	562960.7	4235541.67	5.58E-07	4.60E-07	1.02E-06	9.47E-08	7.37E-08	1.68E-07	4.51E-07	3.37E-07	7.88E-07	7.38E-08	6.54E-08	1.39E-07	5.51E-08	3.34E-08	8.85E-08
6213	562950.33	4235539.64	5.42E-07	4.47E-07	9.89E-07	9.20E-08	7.16E-08	1.64E-07	4.38E-07	3.28E-07	7.66E-07	7.17E-08	6.35E-08	1.35E-07	5.36E-08	3.25E-08	8.60E-08
6214	563698.67	4235488.74	2.81E-07	2.31E-07	5.12E-07	4.77E-08	3.71E-08	8.48E-08	2.27E-07	1.70E-07	3.97E-07	3.72E-08	3.29E-08	7.01E-08	2.77E-08	1.68E-08	4.46E-08
6215	563689.04	4235492.91	2.86E-07	2.36E-07	5.22E-07	4.85E-08	3.78E-08	8.63E-08	2.31E-07	1.73E-07	4.04E-07	3.78E-08	3.35E-08	7.14E-08	2.83E-08	1.71E-08	4.54E-08
6216	563679.4	4235497.08	2.91E-07	2.40E-07	5.31E-07	4.94E-08	3.85E-08	8.79E-08	2.35E-07	1.76E-07	4.11E-07	3.85E-08	3.41E-08	7.27E-08	2.88E-08	1.74E-08	4.62E-08
6217	563669.76	4235501.25	2.96E-07	2.44E-07	5.41E-07	5.03E-08	3.92E-08	8.94E-08	2.39E-07	1.79E-07	4.18E-07	3.92E-08	3.47E-08	7.39E-08	2.93E-08	1.77E-08	4.70E-08
6218	563660.13	4235505.42	3.01E-07	2.48E-07	5.49E-07	5.11E-08	3.98E-08	9.09E-08	2.43E-07	1.82E-07	4.25E-07	3.98E-08	3.53E-08	7.51E-08	2.97E-08	1.80E-08	4.78E-08
6219	563650.49	4235509.59	3.06E-07	2.52E-07	5.58E-07	5.19E-08	4.04E-08	9.23E-08	2.47E-07	1.85E-07	4.32E-07	4.04E-08	3.58E-08	7.63E-08	3.02E-08	1.83E-08	4.85E-08
6220	563640.85	4235513.76	3.10E-07	2.56E-07	5.66E-07	5.27E-08	4.10E-08	9.36E-08	2.51E-07	1.88E-07	4.38E-07	4.10E-08	3.64E-08	7.74E-08	3.06E-08	1.86E-08	4.92E-08
6221	563631.22	4235517.93	3.15E-07	2.59E-07	5.74E-07	5.34E-08	4.16E-08	9.50E-08	2.54E-07	1.90E-07	4.44E-07	4.16E-08	3.69E-08	7.85E-08	3.11E-08	1.88E-08	4.99E-08
6222	563621.58	4235522.1	3.19E-07	2.63E-07	5.82E-07	5.42E-08	4.22E-08	9.63E-08	2.58E-07	1.93E-07	4.51E-07	4.22E-08	3.74E-08	7.96E-08	3.15E-08	1.91E-08	5.06E-08
6223	563611.95	4235526.27	3.23E-07	2.66E-07	5.88E-07	5.47E-08	4.26E-08	9.73E-08	2.60E-07	1.95E-07	4.55E-07	4.26E-08	3.78E-08	8.04E-08	3.19E-08	1.93E-08	5.12E-08
6224	563602.31	4235530.44	3.25E-07	2.68E-07	5.93E-07	5.52E-08	4.30E-08	9.81E-08	2.63E-07	1.97E-07	4.59E-07	4.30E-08	3.81E-08	8.11E-08	3.21E-08	1.95E-08	5.16E-08
6225	563592.67	4235534.61	3.28E-07	2.70E-07	5.97E-07	5.56E-08	4.33E-08	9.88E-08	2.64E-07	1.98E-07	4.62E-07	4.33E-08	3.84E-08	8.17E-08	3.23E-08	1.96E-08	5.19E-08
6226	563583.04	4235538.78	3.30E-07	2.72E-07	6.01E-07	5.60E-08	4.36E-08	9.95E-08	2.66E-07	1.99E-07	4.66E-07	4.36E-08	3.86E-08	8.23E-08	3.26E-08	1.97E-08	5.23E-08
6227	563573.4	4235542.95	3.32E-07	2.74E-07	6.06E-07	5.63E-08	4.39E-08	1.00E-07	2.68E-07	2.01E-07	4.69E-07	4.39E-08	3.89E-08	8.28E-08	3.28E-08	1.99E-08	5.27E-08

6228	563563.76	4235547.13	3.34E-07	2.75E-07	6.10E-07	5.67E-08	4.42E-08	1.01E-07	2.70E-07	2.02E-07	4.72E-07	4.42E-08	3.92E-08	8.34E-08	3.30E-08	2.00E-08	5.30E-08
6229	563554.13	4235551.3	3.37E-07	2.77E-07	6.14E-07	5.71E-08	4.45E-08	1.02E-07	2.72E-07	2.03E-07	4.75E-07	4.45E-08	3.94E-08	8.39E-08	3.32E-08	2.01E-08	5.34E-08
6230	563544.49	4235555.47	3.39E-07	2.79E-07	6.18E-07	5.75E-08	4.48E-08	1.02E-07	2.74E-07	2.05E-07	4.78E-07	4.48E-08	3.97E-08	8.45E-08	3.35E-08	2.03E-08	5.37E-08
6231	563534.86	4235559.64	3.43E-07	2.82E-07	6.25E-07	5.81E-08	4.53E-08	1.03E-07	2.77E-07	2.07E-07	4.84E-07	4.53E-08	4.02E-08	8.55E-08	3.38E-08	2.05E-08	5.44E-08
6232	563525.22	4235563.81	3.47E-07	2.86E-07	6.33E-07	5.89E-08	4.59E-08	1.05E-07	2.80E-07	2.10E-07	4.90E-07	4.59E-08	4.07E-08	8.66E-08	3.43E-08	2.08E-08	5.51E-08
6233	563515.58	4235567.98	3.52E-07	2.90E-07	6.41E-07	5.97E-08	4.65E-08	1.06E-07	2.84E-07	2.13E-07	4.97E-07	4.65E-08	4.12E-08	8.77E-08	3.47E-08	2.11E-08	5.58E-08
6234	563505.95	4235572.15	3.55E-07	2.93E-07	6.48E-07	6.03E-08	4.69E-08	1.07E-07	2.87E-07	2.15E-07	5.01E-07	4.70E-08	4.16E-08	8.86E-08	3.51E-08	2.13E-08	5.63E-08
6235	563496.31	4235576.32	3.59E-07	2.96E-07	6.54E-07	6.09E-08	4.74E-08	1.08E-07	2.90E-07	2.17E-07	5.06E-07	4.74E-08	4.20E-08	8.95E-08	3.54E-08	2.15E-08	5.69E-08
6236	563486.68	4235580.49	3.63E-07	2.99E-07	6.61E-07	6.15E-08	4.79E-08	1.09E-07	2.93E-07	2.19E-07	5.12E-07	4.79E-08	4.25E-08	9.04E-08	3.58E-08	2.17E-08	5.75E-08
6237	563477.04	4235584.66	3.66E-07	3.02E-07	6.68E-07	6.21E-08	4.83E-08	1.10E-07	2.96E-07	2.21E-07	5.17E-07	4.84E-08	4.29E-08	9.13E-08	3.61E-08	2.19E-08	5.81E-08
6238	563467.4	4235588.83	3.69E-07	3.04E-07	6.73E-07	6.27E-08	4.88E-08	1.11E-07	2.98E-07	2.23E-07	5.21E-07	4.88E-08	4.33E-08	9.21E-08	3.65E-08	2.21E-08	5.86E-08
6239	563457.77	4235593	3.72E-07	3.07E-07	6.79E-07	6.32E-08	4.92E-08	1.12E-07	3.01E-07	2.25E-07	5.26E-07	4.92E-08	4.36E-08	9.29E-08	3.68E-08	2.23E-08	5.91E-08
6240	563448.13	4235597.17	3.76E-07	3.10E-07	6.87E-07	6.39E-08	4.97E-08	1.14E-07	3.04E-07	2.27E-07	5.31E-07	4.98E-08	4.41E-08	9.39E-08	3.72E-08	2.25E-08	5.97E-08
6241	563438.49	4235601.34	3.82E-07	3.14E-07	6.96E-07	6.47E-08	5.04E-08	1.15E-07	3.08E-07	2.31E-07	5.39E-07	5.05E-08	4.47E-08	9.52E-08	3.77E-08	2.28E-08	6.05E-08
6242	563428.86	4235605.52	3.87E-07	3.19E-07	7.06E-07	6.57E-08	5.11E-08	1.17E-07	3.12E-07	2.34E-07	5.46E-07	5.12E-08	4.53E-08	9.65E-08	3.82E-08	2.32E-08	6.14E-08
6243	563419.22	4235609.69	3.92E-07	3.23E-07	7.16E-07	6.66E-08	5.18E-08	1.18E-07	3.17E-07	2.37E-07	5.54E-07	5.19E-08	4.60E-08	9.79E-08	3.88E-08	2.35E-08	6.22E-08
6244	563409.59	4235613.86	3.98E-07	3.28E-07	7.26E-07	6.76E-08	5.26E-08	1.20E-07	3.21E-07	2.41E-07	5.62E-07	5.26E-08	4.67E-08	9.93E-08	3.93E-08	2.38E-08	6.31E-08
6245	563399.95	4235618.03	4.04E-07	3.33E-07	7.37E-07	6.85E-08	5.33E-08	1.22E-07	3.26E-07	2.44E-07	5.70E-07	5.34E-08	4.73E-08	1.01E-07	3.99E-08	2.42E-08	6.41E-08
6246	563390.31	4235622.2	4.10E-07	3.38E-07	7.47E-07	6.95E-08	5.41E-08	1.24E-07	3.31E-07	2.48E-07	5.78E-07	5.42E-08	4.80E-08	1.02E-07	4.05E-08	2.45E-08	6.50E-08
6247	563380.68	4235626.37	4.16E-07	3.42E-07	7.58E-07	7.05E-08	5.49E-08	1.25E-07	3.36E-07	2.51E-07	5.87E-07	5.50E-08	4.87E-08	1.04E-07	4.10E-08	2.49E-08	6.59E-08
6248	563371.04	4235630.54	4.21E-07	3.47E-07	7.69E-07	7.15E-08	5.57E-08	1.27E-07	3.40E-07	2.55E-07	5.95E-07	5.57E-08	4.94E-08	1.05E-07	4.16E-08	2.52E-08	6.69E-08
6249	563361.4	4235634.71	4.27E-07	3.52E-07	7.80E-07	7.25E-08	5.65E-08	1.29E-07	3.45E-07	2.58E-07	6.03E-07	5.65E-08	5.01E-08	1.07E-07	4.22E-08	2.56E-08	6.78E-08
6250	563351.77	4235638.88	4.34E-07	3.57E-07	7.91E-07	7.36E-08	5.73E-08	1.31E-07	3.50E-07	2.62E-07	6.13E-07	5.74E-08	5.08E-08	1.08E-07	4.28E-08	2.60E-08	6.88E-08
6251	563342.13	4235643.05	4.41E-07	3.63E-07	8.03E-07	7.47E-08	5.82E-08	1.33E-07	3.56E-07	2.66E-07	6.22E-07	5.83E-08	5.16E-08	1.10E-07	4.35E-08	2.64E-08	6.99E-08
6252	563332.5	4235647.22	4.47E-07	3.68E-07	8.16E-07	7.59E-08	5.91E-08	1.35E-07	3.61E-07	2.70E-07	6.31E-07	5.91E-08	5.24E-08	1.12E-07	4.42E-08	2.68E-08	7.09E-08
6253	563317.71	4235650.39	4.58E-07	3.78E-07	8.36E-07	7.78E-08	6.06E-08	1.38E-07	3.70E-07	2.77E-07	6.47E-07	6.06E-08	5.37E-08	1.14E-07	4.53E-08	2.74E-08	7.27E-08
6254	563307.4	4235648.37	4.69E-07	3.87E-07	8.56E-07	7.96E-08	6.20E-08	1.42E-07	3.79E-07	2.84E-07	6.62E-07	6.20E-08	5.50E-08	1.17E-07	4.63E-08	2.81E-08	7.44E-08
6255	563297.1	4235646.36	4.79E-07	3.95E-07	8.74E-07	8.13E-08	6.33E-08	1.45E-07	3.87E-07	2.90E-07	6.77E-07	6.34E-08	5.62E-08	1.20E-07	4.73E-08	2.87E-08	7.60E-08
6256	563286.79	4235644.34	4.89E-07	4.03E-07	8.92E-07	8.30E-08	6.46E-08	1.48E-07	3.95E-07	2.95E-07	6.90E-07	6.47E-08	5.73E-08	1.22E-07	4.83E-08	2.93E-08	7.76E-08
6257	563276.49	4235642.33	4.99E-07	4.11E-07	9.09E-07	8.46E-08	6.59E-08	1.50E-07	4.03E-07	3.01E-07	7.04E-07	6.59E-08	5.84E-08	1.24E-07	4.92E-08	2.98E-08	7.91E-08
6258	563266.18	4235640.31	5.09E-07	4.19E-07	9.28E-07	8.64E-08	6.72E-08	1.54E-07	4.11E-07	3.08E-07	7.19E-07	6.73E-08	5.96E-08	1.27E-07	5.03E-08	3.05E-08	8.07E-08
6259	563255.88	4235638.3	5.19E-07	4.28E-07	9.47E-07	8.81E-08	6.86E-08	1.57E-07	4.19E-07	3.14E-07	7.33E-07	6.87E-08	6.09E-08	1.30E-07	5.13E-08	3.11E-08	8.24E-08
6260	563245.57	4235636.28	5.30E-07	4.36E-07	9.66E-07	8.99E-08	6.99E-08	1.60E-07	4.28E-07	3.20E-07	7.48E-07	7.00E-08	6.21E-08	1.32E-07	5.23E-08	3.17E-08	8.40E-08
6261	563235.27	4235634.27	5.39E-07	4.44E-07	9.84E-07	9.15E-08	7.12E-08	1.63E-07	4.36E-07	3.26E-07	7.62E-07	7.13E-08	6.32E-08	1.35E-07	5.33E-08	3.23E-08	8.56E-08
6262	563224.96	4235632.26	5.49E-07	4.52E-07	1.00E-06	9.31E-08	7.25E-08	1.66E-07	4.43E-07	3.32E-07	7.75E-07	7.26E-08	6.43E-08	1.37E-07	5.42E-08	3.29E-08	8.71E-08
6263	563214.66	4235630.24	5.58E-07	4.60E-07	1.02E-06	9.47E-08	7.37E-08	1.68E-07	4.51E-07	3.37E-07	7.88E-07	7.38E-08	6.54E-08	1.39E-07	5.51E-08	3.34E-08	8.85E-08
6264	563204.35	4235628.23	5.67E-07	4.67E-07	1.03E-06	9.62E-08	7.49E-08	1.71E-07	4.58E-07	3.43E-07	8.00E-07	7.50E-08	6.64E-08	1.41E-07	5.60E-08	3.39E-08	8.99E-08
6265	563194.05	4235626.21	5.75E-07	4.74E-07	1.05E-06	9.75E-08	7.59E-08	1.73E-07	4.64E-07	3.47E-07	8.12E-07	7.60E-08	6.74E-08	1.43E-07	5.68E-08	3.44E-08	9.12E-08
6266	563183.74	4235624.2	5.82E-07	4.80E-07	1.06E-06	9.88E-08	7.69E-08	1.76E-07	4.70E-07	3.52E-07	8.22E-07	7.70E-08	6.83E-08	1.45E-07	5.75E-08	3.49E-08	9.24E-08
6267	563173.44	4235622.18	5.89E-07	4.86E-07	1.07E-06	1.00E-07	7.78E-08	1.78E-07	4.76E-07	3.56E-07	8.32E-07	7.79E-08	6.91E-08	1.47E-07	5.82E-08	3.53E-08	9.35E-08
6268	563163.13	4235620.17	5.96E-07	4.91E-07	1.09E-06	1.01E-07	7.87E-08	1.80E-07	4.81E-07	3.60E-07	8.41E-07	7.88E-08	6.98E-08	1.49E-07	5.88E-08	3.56E-08	9.45E-08
6269	563152.83	4235618.15	6.01E-07	4.95E-07	1.10E-06	1.02E-07	7.94E-08	1.81E-07	4.85E-07	3.63E-07	8.49E-07	7.95E-08	7.04E-08	1.50E-07	5.94E-08	3.60E-08	9.53E-08
6270	563142.52	4235616.14	6.06E-07	4.99E-07	1.10E-06	1.03E-07	8.00E-08	1.83E-07	4.89E-07	3.66E-07	8.55E-07	8.01E-08	7.10E-08	1.51E-07	5.98E-08	3.63E-08	9.61E-08
6271	563132.22	4235614.12	6.10E-07	5.02E-07	1.11E-06	1.03E-07	8.05E-08	1.84E-07	4.92E-07	3.68E-07	8.61E-07	8.06E-08	7.14E-08	1.52E-07	6.02E-08	3.65E-08	9.67E-08
6272	563121.91	4235612.11	6.12E-07	5.05E-07	1.12E-06	1.04E-07	8.09E-08	1.85E-07	4.94E-07	3.70E-07	8.65E-07	8.10E-08	7.18E-08	1.53E-07	6.05E-08	3.67E-08	9.71E-08
6273	563111.61	4235610.09	6.14E-07	5.06E-07	1.12E-06	1.04E-07	8.11E-08	1.85E-07	4.96E-07	3.71E-07	8.67E-07	8.12E-08	7.20E-08	1.53E-07	6.07E-08	3.68E-08	9.74E-08
6274	563101.3	4235608.08	6.15E-07	5.07E-07	1.12E-06	1.04E-07	8.13E-08	1.86E-07	4.97E-07	3.72E-07	8.69E-07	8.14E-08	7.21E-08	1.53E-07	6.08E-08	3.68E-08	9.76E-08
6275	563091	4235606.07	6.15E-07	5.07E-07	1.12E-06	1.04E-07	8.12E-08	1.86E-07	4.97E-07	3.72E-07	8.68E-07	8.13E-08	7.21E-08	1.53E-07	6.07E-08	3.68E-08	9.75E-08
6276	563080.69	4235604.05	6.14E-07	5.06E-07	1.12E-06	1.04E-07	8.11E-08	1.85E-07	4.96E-07	3.71E-07	8.66E-07	8.12E-08	7.19E-08	1.53E-07	6.06E-08	3.67E-08	9.73E-08
6277	563070.39	4235602.04	6.11E-07	5.04E-07	1.11E-06	1.04E-07	8.07E-08	1.84E-07	4.94E-07	3.69E-07	8.63E-07	8.08E-08	7.16E-08	1.52E-07	6.04E-08	3.66E-08	9.70E-08
6278	563060.08	4235600.02	6.08E-07	5.01E-07	1.11E-06	1.03E-07	8.03E-08	1.83E-07	4.91E-07	3.67E-07	8.58E-07	8.04E-08	7.12E-08	1.52E-07	6.00E-08	3.64E-08	9.64E-08
6279	563049.78	4235598.01	6.03E-07	4.97E-07	1.10E-06	1.02E-07	7.97E-08	1.82E-07	4.87E-07	3.65E-07	8.52E-07	7.98E-08	7.07E-08	1.50E-07	5.96E-08	3.61E-08	9.57E-08
6280	563039.47	4235595.99	5.97E-07	4.92E-07	1.09E-06	1.01E-07	7.89E-08	1.80E-07	4.82E-07	3.61E-07	8.43E-07	7.90E-08	7.00E-08	1.49E-07	5.90E-08	3.58E-08	9.48E-08
6281	563029.17	4235593.98	5.91E-07	4.87E-07	1.08E-06	1.00E-07	7.80E-08	1.78E-07	4.77E-07	3.57E-07	8.34E-07	7.81E-08	6.92E-08	1.47E-07	5.83E-08	3.53E-08	9.37E-08
6282	563018.86	4235591.96	5.83E-07	4.80E-07	1.06E-06	9.89E-08	7.70E-08	1.76E-07	4.70E-07	3.52E-07	8.23E-07	7.71E-08	6.83E-08	1.45E-07	5.75E-08	3.49E-08	9.24E-08
6283	563008.56	4235589.95	5.74E-07	4.73E-07	1.05E-06	9.74E-08	7.58E-08	1.73E-07	4.63E-07	3.47E-07	8.10E-07	7.59E-08	6.72E-08	1.43E-07	5.67E-08	3.43E-08	9.10E-08
6284	562998.25	4235587.93	5.64E-07	4.65E-07	1.03E-06	9.57E-08	7.45E-08	1.70E-07	4.56E-07	3.41E-07	7.96E-07	7.46E-08	6.61E-08	1.41E-07	5.57E-08	3.38E-08	8.95E-08
6285	562987.95	4235585.92	5.54E-07	4.56E-07	1.01E-06	9.40E-08	7.31E-08	1.67E-07	4.47E-07	3.35E-07	7.82E-07	7.32E-08	6.49E-08	1.38E-07	5.47E-08	3.31E-08	8.78E-08
6286	562977.64	4235583.91	5.43E-07	4.47E-07	9.90E-07	9.21E-08	7.17E-08	1.64E-07	4.38E-07	3.28E-07	7.66E-07	7.18E-08	6.36E-08	1.35E-07	5.36E-08	3.25E-08	8.61E-08
6287	562967.34	4235581.89	5.31E-07	4.38E-07	9.69E-07	9.01E-08	7.01E-08	1.60E-07	4.29E-07	3.21E-07	7.50E-07	7.02E-08	6.22E-08	1.32E-07	5.25E-08	3.18E-08	8.42E-08
6288	562957.03	4235579.88	5.19E-07	4.28E-07	9.47E-07	8.81E-08	6.86E-08	1.57E-07	4.19E-07	3.14E-07	7.33E-07	6.87E-08	6.08E-08	1.29E-07	5.13E-08	3.11E-08	8.23E-08
6289	562946.73	4235577.86	5.07E-07	4.18E-07	9.25E-07	8.60E-08	6.70E-08	1.53E-07	4.09E-07	3.06E-07	7.16E-07	6.70E-08	5.94E-08	1.26E-07	5.01E-08	3.03E-08	8.04E-08
6290	562936.42	4235575.85	4.95E-07	4.08E-07	9.02E-07	8.39E-08	6.53E-08	1.49E-07	3.99E-07	2.99E-07	6.98E-07	6.54E-08	5.80E-08	1.23E-07	4.89E-08	2.96E-08	7.85E-08
6291	562926.12	4235573.83	4.82E-07	3.97E-07	8.80E-07	8.18E-08	6.37E-08	1.46E-07	3.89E-07	2.92E-07	6.81E-07	6.38E-08	5.65E-08	1.20E-07	4.76E-08	2.89E-08	7.65E-08
6292	563380.7	4236267.09	1.87E-07	1.54E-07	3.42E-07	3.18E-08	2.47E-08	5.65E-08	1.51E-07	1.13E-07	2.64E-07	2.48E-08	2.20E-08	4.67E-08	1.85E-08	1.12E-08	2.97E-08
6293	563933	4236125.31	1.19E-07	9.78E-08	2.17E-07	2.01E-08	1.57E-08	3.58E-08	9.59E-08	7.18E-08	1.68E-07	1.57E-08	1.39E-08	2.96E-08	1.17E-08	7.11E-09	1.88E-08
6294	563945.46	4236146.66	1.16E-07	9.54E-08	2.11E-07	1.97E-08	1.53E-08	3.50E-08	9.35E-08	7.00E-08	1.64E-07	1.53E-08	1.36E-08	2.89E-08	1.14E-08	6.93E-09	1.84E-08
6295	563824.45	4236268.85	1.15E-07	9.43E-08	2.09E-07	1.94E-08	1.51E-08	3.46E-08	9.25E-08	6.92E-08	1.62E-07	1.51E-08	1.34E-08	2.86E-08	1.13E-08	6.85E-09	1.82E-08
6296	563855.89	4236253.43	1.13E-07	9.33E-08	2.07E-07	1.92E-08	1.50E-08	3.42E-08	9.15E-08	6.85E-08	1.60E-07	1.50E-08	1.33E-08	2.83E-08	1.12E-08	6.78E-09	1.80E-08
6297	563849.37	4236289.02	1.11E-07	9.12E-08	2.02E-07	1.88E-08	1.46E-08	3.34E-08	8.94E-08	6.69E-08	1.56E-07	1.46E-08	1.30E-08	2.76E-08	1.09E-08	6.62E-09	1.76E-08
6298	563815.56	4236380.37	1.05E-07	8.68E-08	1.92E-07	1.79E-08	1.39E-08	3.18E-08	8.50E-08	6.37E-08	1.49E-07	1.39E-08	1.23E-08	2.63E-08	1.04E-08	6.30E-09	1.67E-08
6299	563835.13	4236349.52	1.07E-07	8.81E-08	1.95E-07	1.81E-08	1.41E-08	3.23E-08	8.63E-08	6.46E-08	1.51E-07	1.41E-08	1.25E-08	2.67E-08	1.06E-08	6.40E-09	1.70E-08
6300	563844.62	4236372.66	1.04E-07	8.56E-08	1.90E-07	1.76E-08	1.37E-08	3.14E-08	8.39E-08	6.28E-08	1.47E-07	1.37E-08	1.22E-08	2.59E-08	1.03E-08	6.22E-09	1.65E-08
6301	563849.96	4236388.08	1.02E-07	8.41E-08	1.86E-07	1.73E-08	1.35E-08	3.08E-08	8.24E-08	6.17E-08	1.44E-07	1.35E-08	1.20E-08	2.55E-08	1.01E-08	6.11E-09	1.62E-08
6302	563807.84	4236458.07	9.99E-08	8.23E-08	1.82E-07	1.70E-08	1.32E-08	3.02E-08	8.07E-08	6.04E-08	1.41E-07	1.32E-08	1.17E-08	2.49E-08	9.87E-09	5.98E-09	1.59E-08
6303	563812.59	4236487.73	9.76E-08	8.04E-08	1.78E-07	1.66E-08	1.29E-08	2.95E-08	7.88E-08	5.90E-08	1.38E-07	1.29E-08	1.14E-08	2.44E-08	9.64E-09	5.84E-09	1.55E-08
6304	563786.49	4236491.29	9.90E-08	8.15E-08	1.80E-07	1.68E-08	1.31E-08	2.99E-08	7.99E-08	5.98E-08	1.40E-07	1.31E-08	1.16E-08	2.47E-08	9.77E-09	5.92E-09	1.57E-08
6305	563862.81	4236477.27	9.46E-08	7.79E-08	1.73E-07	1.61E-08	1.25E-08	2.85E-08	7.64E-08	5.72E-08	1.34E-07	1.25E-08	1.11E-08	2.36E-08	9.34E-09	5.66E-09	1.50E-08

			T2		T2L3		T3		T4I		T4F	
			6292	563380.70								
			2.48E-04	2.21E-04	4.21E-05	3.54E-05	2.00E-04	1.62E-04	3.28E-05	3.15E-05	2.45E-05	1.61E-05
			Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2
1	563279.04	4234944.27	6.88E-03	6.14E-03	1.17E-03	9.84E-04	5.56E-03	4.50E-03	9.10E-04	8.73E-04	6.80E-04	4.46E-04
2	563274.36	4234930.99	7.68E-03	6.85E-03	1.30E-03	1.10E-03	6.20E-03	5.02E-03	1.02E-03	9.74E-04	7.58E-04	4.97E-04
3	563267.09	4234917.59	8.97E-03	8.00E-03	1.52E-03	1.28E-03	7.24E-03	5.87E-03	1.19E-03	1.14E-03	8.86E-04	5.81E-04
4	563287.83	4234939.5	6.26E-03	5.58E-03	1.06E-03	8.95E-04	5.05E-03	4.10E-03	8.28E-04	7.94E-04	6.18E-04	4.06E-04
5	563289.92	4234952.66	5.87E-03	5.24E-03	9.96E-04	8.40E-04	4.74E-03	3.84E-03	7.77E-04	7.45E-04	5.80E-04	3.81E-04
6	563287.65	4234965.02	5.74E-03	5.12E-03	9.75E-04	8.22E-04	4.64E-03	3.76E-03	7.60E-04	7.29E-04	5.67E-04	3.72E-04
7	563281	4234976.58	5.86E-03	5.22E-03	9.94E-04	8.38E-04	4.73E-03	3.83E-03	7.74E-04	7.43E-04	5.78E-04	3.80E-04
8	563283.15	4234926.22	6.92E-03	6.17E-03	1.17E-03	9.89E-04	5.59E-03	4.53E-03	9.15E-04	8.78E-04	6.83E-04	4.48E-04
9	563275.88	4234912.82	7.97E-03	7.11E-03	1.35E-03	1.14E-03	6.44E-03	5.22E-03	1.05E-03	1.01E-03	7.87E-04	5.17E-04
10	563296.62	4234934.73	5.69E-03	5.08E-03	9.66E-04	8.14E-04	4.60E-03	3.73E-03	7.53E-04	7.22E-04	5.62E-04	3.69E-04
11	563298.71	4234947.89	5.39E-03	4.80E-03	9.14E-04	7.70E-04	4.35E-03	3.52E-03	7.12E-04	6.83E-04	5.32E-04	3.49E-04
12	563297.48	4234966.83	5.14E-03	4.58E-03	8.72E-04	7.35E-04	4.15E-03	3.36E-03	6.80E-04	6.52E-04	5.08E-04	3.33E-04
13	563290.84	4234978.39	5.26E-03	4.69E-03	8.92E-04	7.52E-04	4.24E-03	3.44E-03	6.95E-04	6.67E-04	5.19E-04	3.41E-04
14	563291.94	4234921.45	6.24E-03	5.57E-03	1.06E-03	8.92E-04	5.04E-03	4.08E-03	8.25E-04	7.92E-04	6.16E-04	4.04E-04
15	563284.66	4234908.05	7.10E-03	6.34E-03	1.21E-03	1.02E-03	5.74E-03	4.65E-03	9.39E-04	9.01E-04	7.02E-04	4.60E-04
16	563305.41	4234929.96	5.19E-03	4.63E-03	8.80E-04	7.42E-04	4.19E-03	3.39E-03	6.86E-04	6.58E-04	5.12E-04	3.36E-04
17	563307.5	4234943.12	4.93E-03	4.40E-03	8.37E-04	7.05E-04	3.98E-03	3.23E-03	6.52E-04	6.26E-04	4.87E-04	3.20E-04
18	563309.59	4234956.29	4.68E-03	4.18E-03	7.95E-04	6.70E-04	3.78E-03	3.07E-03	6.19E-04	5.94E-04	4.63E-04	3.04E-04
19	563307.32	4234968.65	4.62E-03	4.12E-03	7.84E-04	6.61E-04	3.73E-03	3.02E-03	6.11E-04	5.86E-04	4.56E-04	2.99E-04
20	563300.67	4234980.2	4.74E-03	4.23E-03	8.04E-04	6.78E-04	3.83E-03	3.10E-03	6.27E-04	6.01E-04	4.68E-04	3.07E-04
21	563294.03	4234991.75	4.82E-03	4.30E-03	8.18E-04	6.89E-04	3.89E-03	3.15E-03	6.37E-04	6.12E-04	4.76E-04	3.12E-04
22	563300.73	4234916.68	5.64E-03	5.03E-03	9.56E-04	8.06E-04	4.55E-03	3.69E-03	7.45E-04	7.15E-04	5.57E-04	3.65E-04
23	563293.45	4234903.28	6.35E-03	5.67E-03	1.08E-03	9.08E-04	5.13E-03	4.16E-03	8.40E-04	8.06E-04	6.27E-04	4.12E-04
24	563314.2	4234925.19	4.73E-03	4.22E-03	8.02E-04	6.76E-04	3.82E-03	3.09E-03	6.25E-04	6.00E-04	4.67E-04	3.06E-04
25	563316.29	4234938.35	4.52E-03	4.03E-03	7.66E-04	6.46E-04	3.65E-03	2.95E-03	5.97E-04	5.73E-04	4.46E-04	2.93E-04
26	563318.38	4234951.52	4.32E-03	3.86E-03	7.34E-04	6.18E-04	3.49E-03	2.83E-03	5.72E-04	5.49E-04	4.27E-04	2.80E-04
27	563317.15	4234970.46	4.17E-03	3.72E-03	7.08E-04	5.97E-04	3.37E-03	2.73E-03	5.52E-04	5.29E-04	4.12E-04	2.70E-04
28	563310.51	4234982.01	4.29E-03	3.82E-03	7.27E-04	6.13E-04	3.46E-03	2.81E-03	5.67E-04	5.44E-04	4.23E-04	2.78E-04
29	563303.86	4234993.57	4.37E-03	3.90E-03	7.42E-04	6.26E-04	3.53E-03	2.86E-03	5.78E-04	5.55E-04	4.32E-04	2.83E-04
30	563309.51	4234911.91	5.10E-03	4.55E-03	8.65E-04	7.29E-04	4.12E-03	3.34E-03	6.74E-04	6.47E-04	5.04E-04	3.31E-04
31	563302.24	4234898.51	5.70E-03	5.08E-03	9.67E-04	8.15E-04	4.60E-03	3.73E-03	7.53E-04	7.23E-04	5.63E-04	3.69E-04
32	563323.14	4234921.36	4.30E-03	3.84E-03	7.30E-04	6.15E-04	3.47E-03	2.82E-03	5.69E-04	5.46E-04	4.25E-04	2.79E-04
33	563325.53	4234936.4	4.10E-03	3.66E-03	6.96E-04	5.87E-04	3.31E-03	2.69E-03	5.43E-04	5.21E-04	4.05E-04	2.66E-04
34	563327.92	4234951.45	3.93E-03	3.51E-03	6.67E-04	5.62E-04	3.17E-03	2.57E-03	5.20E-04	4.99E-04	3.88E-04	2.55E-04
35	563326.51	4234973.09	3.79E-03	3.38E-03	6.43E-04	5.42E-04	3.06E-03	2.48E-03	5.01E-04	4.81E-04	3.74E-04	2.46E-04
36	563318.92	4234986.3	3.91E-03	3.49E-03	6.64E-04	5.60E-04	3.16E-03	2.56E-03	5.18E-04	4.97E-04	3.87E-04	2.54E-04
37	563311.32	4234999.5	4.01E-03	3.57E-03	6.80E-04	5.73E-04	3.24E-03	2.62E-03	5.30E-04	5.08E-04	3.96E-04	2.60E-04
38	563318.3	4234907.14	4.63E-03	4.13E-03	7.85E-04	6.62E-04	3.74E-03	3.03E-03	6.12E-04	5.87E-04	4.57E-04	3.00E-04
39	563311.03	4234893.74	5.13E-03	4.58E-03	8.70E-04	7.33E-04	4.14E-03	3.36E-03	6.78E-04	6.51E-04	5.07E-04	3.32E-04
40	563331.91	4234916.47	3.94E-03	3.51E-03	6.68E-04	5.63E-04	3.18E-03	2.58E-03	5.20E-04	4.99E-04	3.89E-04	2.55E-04
41	563334.26	4234931.28	3.78E-03	3.37E-03	6.41E-04	5.40E-04	3.05E-03	2.47E-03	4.99E-04	4.79E-04	3.73E-04	2.45E-04
42	563336.61	4234946.09	3.63E-03	3.24E-03	6.17E-04	5.20E-04	2.93E-03	2.38E-03	4.80E-04	4.61E-04	3.59E-04	2.35E-04
43	563338.96	4234960.9	3.48E-03	3.10E-03	5.90E-04	4.97E-04	2.81E-03	2.28E-03	4.60E-04	4.41E-04	3.43E-04	2.25E-04
44	563336.4	4234974.8	3.45E-03	3.08E-03	5.86E-04	4.94E-04	2.79E-03	2.26E-03	4.57E-04	4.38E-04	3.41E-04	2.24E-04
45	563328.93	4234987.8	3.57E-03	3.18E-03	6.05E-04	5.10E-04	2.88E-03	2.33E-03	4.72E-04	4.53E-04	3.52E-04	2.31E-04
46	563321.45	4235000.8	3.66E-03	3.26E-03	6.21E-04	5.23E-04	2.95E-03	2.39E-03	4.84E-04	4.64E-04	3.61E-04	2.37E-04
47	563313.98	4235013.8	3.72E-03	3.32E-03	6.32E-04	5.32E-04	3.01E-03	2.44E-03	4.92E-04	4.72E-04	3.68E-04	2.41E-04
48	563327.09	4234902.37	4.21E-03	3.75E-03	7.14E-04	6.02E-04	3.40E-03	2.75E-03	5.56E-04	5.34E-04	4.15E-04	2.73E-04
49	563319.82	4234888.97	4.63E-03	4.13E-03	7.86E-04	6.63E-04	3.74E-03	3.03E-03	6.13E-04	5.88E-04	4.58E-04	3.00E-04
50	563340.68	4234911.61	3.61E-03	3.22E-03	6.12E-04	5.16E-04	2.91E-03	2.36E-03	4.77E-04	4.58E-04	3.56E-04	2.34E-04
51	563343	4234926.23	3.48E-03	3.10E-03	5.90E-04	4.97E-04	2.81E-03	2.28E-03	4.60E-04	4.41E-04	3.44E-04	2.25E-04
52	563345.33	4234940.86	3.36E-03	2.99E-03	5.69E-04	4.80E-04	2.71E-03	2.20E-03	4.44E-04	4.26E-04	3.31E-04	2.18E-04
53	563347.65	4234955.49	3.24E-03	2.89E-03	5.50E-04	4.64E-04	2.62E-03	2.12E-03	4.29E-04	4.12E-04	3.20E-04	2.10E-04
54	563346.28	4234976.53	3.15E-03	2.81E-03	5.35E-04	4.51E-04	2.55E-03	2.06E-03	4.17E-04	4.00E-04	3.12E-04	2.04E-04
55	563338.9	4234989.37	3.26E-03	2.91E-03	5.53E-04	4.66E-04	2.63E-03	2.13E-03	4.31E-04	4.14E-04	3.22E-04	2.11E-04
56	563331.52	4235002.21	3.35E-03	2.99E-03	5.69E-04	4.79E-04	2.71E-03	2.19E-03	4.43E-04	4.25E-04	3.31E-04	2.17E-04
57	563324.14	4235015.05	3.42E-03	3.05E-03	5.80E-04	4.89E-04	2.76E-03	2.24E-03	4.52E-04	4.34E-04	3.38E-04	2.22E-04
58	563335.88	4234897.6	3.83E-03	3.42E-03	6.51E-04	5.48E-04	3.10E-03	2.51E-03	5.07E-04	4.86E-04	3.79E-04	2.48E-04
59	563328.61	4234884.2	4.20E-03	3.75E-03	7.12E-04	6.00E-04	3.39E-03	2.75E-03	5.55E-04	5.33E-04	4.15E-04	2.72E-04
60	563358.24	4234901.93	3.04E-03	2.72E-03	5.16E-04	4.35E-04	2.46E-03	1.99E-03	4.03E-04	3.86E-04	3.01E-04	1.97E-04
61	563360.52	4234916.29	2.96E-03	2.64E-03	5.02E-04	4.23E-04	2.39E-03	1.94E-03	3.91E-04	3.75E-04	2.92E-04	1.92E-04
62	563362.8	4234930.66	2.87E-03	2.56E-03	4.88E-04	4.11E-04	2.32E-03	1.88E-03	3.80E-04	3.65E-04	2.84E-04	1.86E-04
63	563365.08	4234945.02	2.80E-03	2.50E-03	4.75E-04	4.00E-04	2.26E-03	1.83E-03	3.70E-04	3.55E-04	2.76E-04	1.81E-04
64	563367.36	4234959.38	2.72E-03	2.43E-03	4.62E-04	3.89E-04	2.20E-03	1.78E-03	3.60E-04	3.45E-04	2.69E-04	1.76E-04
65	563366.02	4234980.04	2.66E-03	2.38E-03	4.52E-04	3.81E-04	2.15E-03	1.74E-03	3.52E-04	3.38E-04	2.63E-04	1.73E-04

66	563358.77	4234992.64	2.75E-03	2.46E-03	4.67E-04	3.94E-04	2.22E-03	1.80E-03	3.64E-04	3.49E-04	2.72E-04	1.78E-04
67	563351.53	4235005.25	2.83E-03	2.53E-03	4.81E-04	4.05E-04	2.29E-03	1.85E-03	3.75E-04	3.60E-04	2.80E-04	1.84E-04
68	563344.28	4235017.85	2.90E-03	2.59E-03	4.93E-04	4.15E-04	2.34E-03	1.90E-03	3.84E-04	3.68E-04	2.87E-04	1.88E-04
69	563337.03	4235030.46	2.95E-03	2.64E-03	5.01E-04	4.23E-04	2.39E-03	1.93E-03	3.91E-04	3.75E-04	2.92E-04	1.92E-04
70	563353.46	4234888.05	3.21E-03	2.86E-03	5.45E-04	4.59E-04	2.59E-03	2.10E-03	4.25E-04	4.07E-04	3.17E-04	2.08E-04
71	563346.19	4234874.65	3.48E-03	3.11E-03	5.91E-04	4.98E-04	2.81E-03	2.28E-03	4.60E-04	4.42E-04	3.44E-04	2.26E-04
72	563375.8	4234892.3	2.59E-03	2.31E-03	4.40E-04	3.71E-04	2.09E-03	1.70E-03	3.43E-04	3.29E-04	2.56E-04	1.68E-04
73	563378.05	4234906.48	2.53E-03	2.26E-03	4.30E-04	3.62E-04	2.04E-03	1.66E-03	3.35E-04	3.21E-04	2.50E-04	1.64E-04
74	563380.3	4234920.65	2.47E-03	2.21E-03	4.20E-04	3.54E-04	2.00E-03	1.62E-03	3.27E-04	3.14E-04	2.44E-04	1.60E-04
75	563382.56	4234934.83	2.42E-03	2.15E-03	4.10E-04	3.45E-04	1.95E-03	1.58E-03	3.19E-04	3.06E-04	2.39E-04	1.57E-04
76	563384.81	4234949.01	2.36E-03	2.10E-03	4.00E-04	3.37E-04	1.90E-03	1.54E-03	3.12E-04	2.99E-04	2.33E-04	1.53E-04
77	563387.06	4234963.18	2.29E-03	2.05E-03	3.89E-04	3.28E-04	1.85E-03	1.50E-03	3.03E-04	2.91E-04	2.26E-04	1.49E-04
78	563385.74	4234983.58	2.27E-03	2.03E-03	3.86E-04	3.25E-04	1.84E-03	1.49E-03	3.01E-04	2.89E-04	2.25E-04	1.47E-04
79	563378.58	4234996.02	2.35E-03	2.10E-03	3.99E-04	3.36E-04	1.90E-03	1.54E-03	3.11E-04	2.98E-04	2.32E-04	1.52E-04
80	563371.43	4235008.47	2.42E-03	2.16E-03	4.11E-04	3.46E-04	1.96E-03	1.58E-03	3.20E-04	3.07E-04	2.39E-04	1.57E-04
81	563364.27	4235020.91	2.49E-03	2.22E-03	4.22E-04	3.56E-04	2.01E-03	1.63E-03	3.29E-04	3.16E-04	2.46E-04	1.61E-04
82	563357.12	4235033.35	2.54E-03	2.27E-03	4.31E-04	3.63E-04	2.05E-03	1.66E-03	3.36E-04	3.22E-04	2.51E-04	1.65E-04
83	563349.96	4235045.8	2.58E-03	2.30E-03	4.38E-04	3.69E-04	2.08E-03	1.69E-03	3.41E-04	3.28E-04	2.55E-04	1.67E-04
84	563371.04	4234878.51	2.72E-03	2.42E-03	4.61E-04	3.89E-04	2.19E-03	1.78E-03	3.59E-04	3.45E-04	2.68E-04	1.76E-04
85	563363.76	4234865.11	2.93E-03	2.61E-03	4.96E-04	4.18E-04	2.36E-03	1.91E-03	3.87E-04	3.71E-04	2.89E-04	1.90E-04
86	563393.45	4234883.19	2.23E-03	1.99E-03	3.78E-04	3.19E-04	1.80E-03	1.46E-03	2.95E-04	2.83E-04	2.20E-04	1.44E-04
87	563395.84	4234898.24	2.18E-03	1.94E-03	3.70E-04	3.12E-04	1.76E-03	1.43E-03	2.88E-04	2.77E-04	2.15E-04	1.41E-04
88	563398.23	4234913.28	2.13E-03	1.90E-03	3.62E-04	3.05E-04	1.72E-03	1.40E-03	2.82E-04	2.71E-04	2.11E-04	1.38E-04
89	563400.62	4234928.33	2.09E-03	1.87E-03	3.55E-04	2.99E-04	1.69E-03	1.37E-03	2.77E-04	2.65E-04	2.07E-04	1.36E-04
90	563403.01	4234943.37	2.05E-03	1.83E-03	3.47E-04	2.93E-04	1.65E-03	1.34E-03	2.71E-04	2.60E-04	2.02E-04	1.33E-04
91	563405.4	4234958.41	2.00E-03	1.78E-03	3.39E-04	2.85E-04	1.61E-03	1.31E-03	2.64E-04	2.53E-04	1.97E-04	1.29E-04
92	563407.79	4234973.46	1.95E-03	1.74E-03	3.31E-04	2.79E-04	1.57E-03	1.28E-03	2.58E-04	2.47E-04	1.92E-04	1.26E-04
93	563405.19	4234987.58	1.97E-03	1.75E-03	3.34E-04	2.81E-04	1.59E-03	1.29E-03	2.60E-04	2.50E-04	1.94E-04	1.27E-04
94	563397.59	4235000.79	2.03E-03	1.82E-03	3.45E-04	2.91E-04	1.64E-03	1.33E-03	2.69E-04	2.58E-04	2.01E-04	1.32E-04
95	563390	4235013.99	2.10E-03	1.87E-03	3.56E-04	3.00E-04	1.70E-03	1.37E-03	2.78E-04	2.66E-04	2.07E-04	1.36E-04
96	563382.41	4235027.2	2.16E-03	1.93E-03	3.67E-04	3.09E-04	1.75E-03	1.41E-03	2.86E-04	2.74E-04	2.14E-04	1.40E-04
97	563374.81	4235040.4	2.22E-03	1.98E-03	3.76E-04	3.17E-04	1.79E-03	1.45E-03	2.93E-04	2.81E-04	2.19E-04	1.44E-04
98	563367.22	4235053.61	2.26E-03	2.02E-03	3.83E-04	3.23E-04	1.82E-03	1.48E-03	2.99E-04	2.87E-04	2.23E-04	1.46E-04
99	563359.63	4235066.81	2.29E-03	2.04E-03	3.88E-04	3.27E-04	1.85E-03	1.50E-03	3.03E-04	2.90E-04	2.26E-04	1.48E-04
100	563388.61	4234868.97	2.32E-03	2.07E-03	3.93E-04	3.31E-04	1.87E-03	1.52E-03	3.06E-04	2.94E-04	2.29E-04	1.50E-04
101	563381.34	4234855.57	2.46E-03	2.20E-03	4.18E-04	3.52E-04	1.99E-03	1.61E-03	3.26E-04	3.12E-04	2.43E-04	1.60E-04
102	563411	4234873.54	1.94E-03	1.73E-03	3.29E-04	2.77E-04	1.56E-03	1.27E-03	2.56E-04	2.46E-04	1.91E-04	1.25E-04
103	563413.36	4234888.35	1.90E-03	1.69E-03	3.22E-04	2.72E-04	1.53E-03	1.24E-03	2.51E-04	2.41E-04	1.88E-04	1.23E-04
104	563415.71	4234903.15	1.86E-03	1.66E-03	3.16E-04	2.67E-04	1.51E-03	1.22E-03	2.47E-04	2.37E-04	1.84E-04	1.21E-04
105	563418.06	4234917.96	1.83E-03	1.64E-03	3.11E-04	2.62E-04	1.48E-03	1.20E-03	2.42E-04	2.33E-04	1.81E-04	1.19E-04
106	563420.42	4234932.77	1.80E-03	1.61E-03	3.06E-04	2.58E-04	1.45E-03	1.18E-03	2.38E-04	2.29E-04	1.78E-04	1.17E-04
107	563422.77	4234947.58	1.77E-03	1.58E-03	3.00E-04	2.53E-04	1.43E-03	1.16E-03	2.34E-04	2.24E-04	1.75E-04	1.15E-04
108	563425.12	4234962.39	1.73E-03	1.54E-03	2.94E-04	2.48E-04	1.40E-03	1.13E-03	2.29E-04	2.20E-04	1.71E-04	1.12E-04
109	563427.48	4234977.2	1.70E-03	1.52E-03	2.89E-04	2.43E-04	1.37E-03	1.11E-03	2.25E-04	2.16E-04	1.68E-04	1.10E-04
110	563424.92	4234991.1	1.72E-03	1.53E-03	2.91E-04	2.45E-04	1.39E-03	1.12E-03	2.27E-04	2.18E-04	1.69E-04	1.11E-04
111	563417.44	4235004.1	1.77E-03	1.58E-03	3.01E-04	2.53E-04	1.43E-03	1.16E-03	2.34E-04	2.25E-04	1.75E-04	1.15E-04
112	563409.97	4235017.1	1.83E-03	1.63E-03	3.10E-04	2.61E-04	1.47E-03	1.20E-03	2.42E-04	2.32E-04	1.80E-04	1.18E-04
113	563402.49	4235030.1	1.88E-03	1.68E-03	3.19E-04	2.69E-04	1.52E-03	1.23E-03	2.49E-04	2.39E-04	1.86E-04	1.22E-04
114	563395.02	4235043.1	1.93E-03	1.72E-03	3.28E-04	2.76E-04	1.56E-03	1.26E-03	2.55E-04	2.45E-04	1.91E-04	1.25E-04
115	563387.54	4235056.1	1.98E-03	1.76E-03	3.35E-04	2.83E-04	1.60E-03	1.29E-03	2.61E-04	2.51E-04	1.95E-04	1.28E-04
116	563380.07	4235069.1	2.01E-03	1.79E-03	3.41E-04	2.88E-04	1.62E-03	1.32E-03	2.66E-04	2.55E-04	1.99E-04	1.30E-04
117	563372.59	4235082.09	2.04E-03	1.82E-03	3.45E-04	2.91E-04	1.64E-03	1.33E-03	2.69E-04	2.58E-04	2.01E-04	1.32E-04
118	563406.19	4234859.43	2.00E-03	1.78E-03	3.40E-04	2.86E-04	1.62E-03	1.31E-03	2.65E-04	2.54E-04	1.98E-04	1.30E-04
119	563398.92	4234846.03	2.10E-03	1.87E-03	3.56E-04	3.00E-04	1.69E-03	1.37E-03	2.78E-04	2.66E-04	2.07E-04	1.36E-04
120	563428.57	4234863.9	1.71E-03	1.52E-03	2.90E-04	2.44E-04	1.38E-03	1.12E-03	2.26E-04	2.17E-04	1.69E-04	1.11E-04
121	563430.89	4234878.53	1.67E-03	1.49E-03	2.84E-04	2.39E-04	1.35E-03	1.09E-03	2.21E-04	2.12E-04	1.65E-04	1.08E-04
122	563433.22	4234893.16	1.64E-03	1.47E-03	2.79E-04	2.35E-04	1.33E-03	1.07E-03	2.17E-04	2.08E-04	1.62E-04	1.06E-04
123	563435.54	4234907.78	1.62E-03	1.44E-03	2.74E-04	2.31E-04	1.31E-03	1.06E-03	2.14E-04	2.05E-04	1.60E-04	1.05E-04
124	563437.86	4234922.41	1.59E-03	1.42E-03	2.70E-04	2.28E-04	1.29E-03	1.04E-03	2.11E-04	2.02E-04	1.57E-04	1.03E-04
125	563440.19	4234937.03	1.57E-03	1.40E-03	2.67E-04	2.25E-04	1.27E-03	1.03E-03	2.08E-04	1.99E-04	1.55E-04	1.02E-04
126	563442.51	4234951.66	1.55E-03	1.38E-03	2.62E-04	2.21E-04	1.25E-03	1.01E-03	2.04E-04	1.96E-04	1.53E-04	1.00E-04
127	563444.84	4234966.29	1.52E-03	1.35E-03	2.57E-04	2.17E-04	1.23E-03	9.93E-04	2.01E-04	1.93E-04	1.50E-04	9.83E-05
128	563447.16	4234980.91	1.50E-03	1.34E-03	2.55E-04	2.15E-04	1.21E-03	9.83E-04	1.99E-04	1.91E-04	1.48E-04	9.73E-05
129	563444.63	4234994.64	1.51E-03	1.35E-03	2.56E-04	2.16E-04	1.22E-03	9.88E-04	2.00E-04	1.92E-04	1.49E-04	9.79E-05
130	563437.25	4235007.48	1.56E-03	1.39E-03	2.64E-04	2.23E-04	1.26E-03	1.02E-03	2.06E-04	1.97E-04	1.54E-04	1.01E-04
131	563429.87	4235020.32	1.60E-03	1.43E-03	2.72E-04	2.29E-04	1.29E-03	1.05E-03	2.12E-04	2.03E-04	1.58E-04	1.04E-04
132	563422.48	4235033.16	1.65E-03	1.47E-03	2.80E-04	2.36E-04	1.33E-03	1.08E-03	2.18E-04	2.09E-04	1.63E-04	1.07E-04
133	563415.1	4235046	1.69E-03	1.51E-03	2.88E-04	2.42E-04	1.37E-03	1.11E-03	2.24E-04	2.15E-04	1.67E-04	1.10E-04
134	563407.72	4235058.84	1.74E-03	1.55E-03	2.95E-04	2.48E-04	1.40E-03	1.14E-03	2.30E-04	2.20E-04	1.72E-04	1.13E-04

135	563400.34	4235071.68	1.77E-03	1.58E-03	3.01E-04	2.54E-04	1.43E-03	1.16E-03	2.35E-04	2.25E-04	1.75E-04	1.15E-04
136	563392.95	4235084.51	1.80E-03	1.61E-03	3.06E-04	2.58E-04	1.46E-03	1.18E-03	2.38E-04	2.29E-04	1.78E-04	1.17E-04
137	563385.57	4235097.35	1.82E-03	1.63E-03	3.09E-04	2.61E-04	1.47E-03	1.19E-03	2.41E-04	2.31E-04	1.80E-04	1.18E-04
138	563423.77	4234849.89	1.78E-03	1.59E-03	3.01E-04	2.54E-04	1.43E-03	1.16E-03	2.35E-04	2.25E-04	1.75E-04	1.15E-04
139	563416.5	4234836.49	1.85E-03	1.65E-03	3.14E-04	2.65E-04	1.49E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
140	563446.13	4234854.29	1.52E-03	1.36E-03	2.58E-04	2.18E-04	1.23E-03	9.96E-04	2.01E-04	1.93E-04	1.50E-04	9.87E-05
141	563448.43	4234868.77	1.49E-03	1.33E-03	2.53E-04	2.13E-04	1.20E-03	9.75E-04	1.97E-04	1.89E-04	1.47E-04	9.66E-05
142	563450.74	4234883.25	1.46E-03	1.30E-03	2.48E-04	2.09E-04	1.18E-03	9.57E-04	1.93E-04	1.85E-04	1.44E-04	9.47E-05
143	563453.04	4234897.73	1.44E-03	1.28E-03	2.44E-04	2.06E-04	1.16E-03	9.41E-04	1.90E-04	1.83E-04	1.42E-04	9.32E-05
144	563455.34	4234912.21	1.42E-03	1.27E-03	2.41E-04	2.03E-04	1.15E-03	9.29E-04	1.88E-04	1.80E-04	1.40E-04	9.20E-05
145	563457.64	4234926.69	1.41E-03	1.25E-03	2.39E-04	2.01E-04	1.14E-03	9.20E-04	1.86E-04	1.78E-04	1.39E-04	9.11E-05
146	563459.94	4234941.17	1.39E-03	1.24E-03	2.37E-04	1.99E-04	1.13E-03	9.12E-04	1.84E-04	1.77E-04	1.38E-04	9.03E-05
147	563462.24	4234955.65	1.38E-03	1.23E-03	2.34E-04	1.97E-04	1.11E-03	9.01E-04	1.82E-04	1.75E-04	1.36E-04	8.93E-05
148	563464.54	4234970.13	1.36E-03	1.21E-03	2.31E-04	1.95E-04	1.10E-03	8.90E-04	1.80E-04	1.73E-04	1.34E-04	8.82E-05
149	563466.84	4234984.61	1.34E-03	1.19E-03	2.27E-04	1.91E-04	1.08E-03	8.75E-04	1.77E-04	1.70E-04	1.32E-04	8.67E-05
150	563464.34	4234998.2	1.34E-03	1.20E-03	2.27E-04	1.92E-04	1.08E-03	8.77E-04	1.77E-04	1.70E-04	1.32E-04	8.69E-05
151	563457.03	4235010.91	1.38E-03	1.23E-03	2.34E-04	1.97E-04	1.11E-03	9.02E-04	1.82E-04	1.75E-04	1.36E-04	8.93E-05
152	563449.72	4235023.62	1.42E-03	1.26E-03	2.40E-04	2.02E-04	1.14E-03	9.26E-04	1.87E-04	1.80E-04	1.40E-04	9.17E-05
153	563442.41	4235036.33	1.45E-03	1.30E-03	2.47E-04	2.08E-04	1.17E-03	9.52E-04	1.92E-04	1.85E-04	1.44E-04	9.43E-05
154	563435.1	4235049.04	1.50E-03	1.33E-03	2.54E-04	2.14E-04	1.21E-03	9.79E-04	1.98E-04	1.90E-04	1.48E-04	9.69E-05
155	563427.79	4235061.75	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.00E-03	2.03E-04	1.95E-04	1.52E-04	9.95E-05
156	563420.49	4235074.46	1.57E-03	1.40E-03	2.67E-04	2.25E-04	1.27E-03	1.03E-03	2.08E-04	1.99E-04	1.55E-04	1.02E-04
157	563413.18	4235087.17	1.60E-03	1.43E-03	2.72E-04	2.29E-04	1.29E-03	1.05E-03	2.12E-04	2.03E-04	1.58E-04	1.04E-04
158	563405.87	4235099.88	1.63E-03	1.45E-03	2.76E-04	2.33E-04	1.31E-03	1.06E-03	2.15E-04	2.06E-04	1.61E-04	1.05E-04
159	563398.56	4235112.59	1.64E-03	1.47E-03	2.79E-04	2.35E-04	1.33E-03	1.08E-03	2.17E-04	2.09E-04	1.62E-04	1.07E-04
160	563441.35	4234840.35	1.57E-03	1.40E-03	2.66E-04	2.25E-04	1.27E-03	1.03E-03	2.08E-04	1.99E-04	1.55E-04	1.02E-04
161	563434.07	4234826.95	1.63E-03	1.46E-03	2.77E-04	2.33E-04	1.32E-03	1.07E-03	2.16E-04	2.07E-04	1.61E-04	1.06E-04
162	563463.76	4234845.03	1.37E-03	1.22E-03	2.33E-04	1.96E-04	1.11E-03	8.97E-04	1.81E-04	1.74E-04	1.35E-04	8.88E-05
163	563466.15	4234860.08	1.34E-03	1.20E-03	2.27E-04	1.92E-04	1.08E-03	8.77E-04	1.77E-04	1.70E-04	1.32E-04	8.69E-05
164	563468.54	4234875.12	1.31E-03	1.17E-03	2.23E-04	1.88E-04	1.06E-03	8.59E-04	1.74E-04	1.67E-04	1.30E-04	8.51E-05
165	563470.93	4234890.16	1.29E-03	1.15E-03	2.19E-04	1.84E-04	1.04E-03	8.44E-04	1.71E-04	1.64E-04	1.27E-04	8.36E-05
166	563473.32	4234905.21	1.27E-03	1.13E-03	2.16E-04	1.82E-04	1.03E-03	8.32E-04	1.68E-04	1.61E-04	1.26E-04	8.24E-05
167	563475.71	4234920.25	1.27E-03	1.13E-03	2.16E-04	1.82E-04	1.03E-03	8.33E-04	1.68E-04	1.61E-04	1.26E-04	8.25E-05
168	563478.1	4234935.3	1.27E-03	1.13E-03	2.16E-04	1.82E-04	1.03E-03	8.32E-04	1.68E-04	1.61E-04	1.26E-04	8.24E-05
169	563480.49	4234950.34	1.26E-03	1.12E-03	2.13E-04	1.80E-04	1.01E-03	8.22E-04	1.66E-04	1.59E-04	1.24E-04	8.14E-05
170	563482.88	4234965.38	1.24E-03	1.10E-03	2.10E-04	1.77E-04	9.98E-04	8.09E-04	1.63E-04	1.57E-04	1.22E-04	8.01E-05
171	563485.27	4234980.43	1.21E-03	1.08E-03	2.06E-04	1.73E-04	9.79E-04	7.93E-04	1.60E-04	1.54E-04	1.20E-04	7.86E-05
172	563483.86	4235002.07	1.20E-03	1.07E-03	2.04E-04	1.72E-04	9.69E-04	7.86E-04	1.59E-04	1.52E-04	1.19E-04	7.78E-05
173	563476.27	4235015.28	1.23E-03	1.10E-03	2.09E-04	1.76E-04	9.95E-04	8.06E-04	1.63E-04	1.56E-04	1.22E-04	7.98E-05
174	563468.68	4235028.48	1.26E-03	1.13E-03	2.14E-04	1.81E-04	1.02E-03	8.27E-04	1.67E-04	1.60E-04	1.25E-04	8.19E-05
175	563461.08	4235041.69	1.30E-03	1.16E-03	2.20E-04	1.86E-04	1.05E-03	8.50E-04	1.72E-04	1.65E-04	1.28E-04	8.42E-05
176	563453.49	4235054.89	1.34E-03	1.19E-03	2.27E-04	1.91E-04	1.08E-03	8.74E-04	1.77E-04	1.69E-04	1.32E-04	8.65E-05
177	563445.9	4235068.1	1.37E-03	1.22E-03	2.33E-04	1.96E-04	1.11E-03	8.98E-04	1.82E-04	1.74E-04	1.36E-04	8.90E-05
178	563438.3	4235081.3	1.41E-03	1.26E-03	2.39E-04	2.01E-04	1.14E-03	9.22E-04	1.86E-04	1.79E-04	1.39E-04	9.13E-05
179	563430.71	4235094.51	1.44E-03	1.28E-03	2.44E-04	2.06E-04	1.16E-03	9.42E-04	1.90E-04	1.83E-04	1.42E-04	9.33E-05
180	563423.12	4235107.72	1.46E-03	1.30E-03	2.48E-04	2.09E-04	1.18E-03	9.56E-04	1.93E-04	1.85E-04	1.44E-04	9.47E-05
181	563415.53	4235120.92	1.48E-03	1.32E-03	2.51E-04	2.12E-04	1.19E-03	9.68E-04	1.96E-04	1.88E-04	1.46E-04	9.59E-05
182	563458.92	4234830.81	1.40E-03	1.25E-03	2.38E-04	2.01E-04	1.13E-03	9.17E-04	1.85E-04	1.78E-04	1.38E-04	9.09E-05
183	563451.65	4234817.41	1.45E-03	1.29E-03	2.46E-04	2.07E-04	1.17E-03	9.48E-04	1.92E-04	1.84E-04	1.43E-04	9.39E-05
184	563481.32	4234835.41	1.25E-03	1.11E-03	2.12E-04	1.78E-04	1.01E-03	8.17E-04	1.65E-04	1.58E-04	1.23E-04	8.09E-05
185	563483.69	4234850.29	1.22E-03	1.09E-03	2.07E-04	1.75E-04	9.85E-04	7.99E-04	1.61E-04	1.55E-04	1.21E-04	7.91E-05
186	563486.05	4234865.17	1.19E-03	1.06E-03	2.02E-04	1.71E-04	9.64E-04	7.81E-04	1.58E-04	1.51E-04	1.18E-04	7.73E-05
187	563488.41	4234880.05	1.17E-03	1.04E-03	1.99E-04	1.68E-04	9.46E-04	7.67E-04	1.55E-04	1.49E-04	1.16E-04	7.59E-05
188	563490.78	4234894.93	1.16E-03	1.03E-03	1.97E-04	1.66E-04	9.36E-04	7.58E-04	1.53E-04	1.47E-04	1.14E-04	7.51E-05
189	563493.14	4234909.81	1.16E-03	1.03E-03	1.96E-04	1.65E-04	9.34E-04	7.57E-04	1.53E-04	1.47E-04	1.14E-04	7.50E-05
190	563495.51	4234924.69	1.16E-03	1.03E-03	1.96E-04	1.65E-04	9.33E-04	7.56E-04	1.53E-04	1.47E-04	1.14E-04	7.49E-05
191	563497.87	4234939.57	1.14E-03	1.02E-03	1.94E-04	1.64E-04	9.23E-04	7.48E-04	1.51E-04	1.45E-04	1.13E-04	7.41E-05
192	563500.24	4234954.45	1.13E-03	1.01E-03	1.92E-04	1.62E-04	9.12E-04	7.39E-04	1.49E-04	1.43E-04	1.12E-04	7.32E-05
193	563502.6	4234969.33	1.11E-03	9.93E-04	1.89E-04	1.59E-04	8.99E-04	7.28E-04	1.47E-04	1.41E-04	1.10E-04	7.21E-05
194	563504.97	4234984.21	1.09E-03	9.75E-04	1.85E-04	1.56E-04	8.82E-04	7.15E-04	1.45E-04	1.39E-04	1.08E-04	7.08E-05
195	563503.57	4235005.62	1.08E-03	9.65E-04	1.84E-04	1.55E-04	8.74E-04	7.08E-04	1.43E-04	1.37E-04	1.07E-04	7.01E-05
196	563496.06	4235018.69	1.11E-03	9.88E-04	1.88E-04	1.58E-04	8.94E-04	7.25E-04	1.46E-04	1.41E-04	1.09E-04	7.18E-05
197	563488.55	4235031.75	1.13E-03	1.01E-03	1.92E-04	1.62E-04	9.15E-04	7.41E-04	1.50E-04	1.44E-04	1.12E-04	7.34E-05
198	563481.04	4235044.81	1.16E-03	1.04E-03	1.97E-04	1.66E-04	9.37E-04	7.60E-04	1.54E-04	1.47E-04	1.15E-04	7.52E-05
199	563473.53	4235057.87	1.19E-03	1.06E-03	2.02E-04	1.70E-04	9.62E-04	7.80E-04	1.58E-04	1.51E-04	1.18E-04	7.72E-05
200	563466.02	4235070.93	1.22E-03	1.09E-03	2.08E-04	1.75E-04	9.89E-04	8.01E-04	1.62E-04	1.55E-04	1.21E-04	7.94E-05
201	563458.51	4235083.99	1.26E-03	1.12E-03	2.13E-04	1.80E-04	1.02E-03	8.23E-04	1.66E-04	1.60E-04	1.24E-04	8.15E-05
202	563451	4235097.06	1.29E-03	1.15E-03	2.19E-04	1.84E-04	1.04E-03	8.43E-04	1.70E-04	1.64E-04	1.27E-04	8.35E-05
203	563443.49	4235110.12	1.31E-03	1.17E-03	2.22E-04	1.87E-04	1.06E-03	8.58E-04	1.73E-04	1.66E-04	1.29E-04	8.50E-05

204	563435.98	4235123.18	1.33E-03	1.19E-03	2.26E-04	1.90E-04	1.07E-03	8.71E-04	1.76E-04	1.69E-04	1.31E-04	8.62E-05
205	563428.47	4235136.24	1.35E-03	1.20E-03	2.29E-04	1.93E-04	1.09E-03	8.81E-04	1.78E-04	1.71E-04	1.33E-04	8.73E-05
206	563476.5	4234821.27	1.28E-03	1.15E-03	2.18E-04	1.84E-04	1.04E-03	8.40E-04	1.70E-04	1.63E-04	1.27E-04	8.32E-05
207	563469.23	4234807.87	1.32E-03	1.18E-03	2.24E-04	1.89E-04	1.06E-03	8.63E-04	1.74E-04	1.67E-04	1.30E-04	8.54E-05
208	563498.89	4234825.8	1.15E-03	1.02E-03	1.95E-04	1.64E-04	9.26E-04	7.50E-04	1.52E-04	1.45E-04	1.13E-04	7.43E-05
209	563501.23	4234840.54	1.12E-03	1.00E-03	1.90E-04	1.60E-04	9.05E-04	7.33E-04	1.48E-04	1.42E-04	1.11E-04	7.26E-05
210	563503.57	4234855.29	1.10E-03	9.77E-04	1.86E-04	1.57E-04	8.84E-04	7.17E-04	1.45E-04	1.39E-04	1.08E-04	7.10E-05
211	563505.92	4234870.03	1.07E-03	9.57E-04	1.82E-04	1.53E-04	8.66E-04	7.02E-04	1.42E-04	1.36E-04	1.06E-04	6.95E-05
212	563508.26	4234884.77	1.06E-03	9.49E-04	1.81E-04	1.52E-04	8.59E-04	6.96E-04	1.41E-04	1.35E-04	1.05E-04	6.90E-05
213	563510.6	4234899.51	1.07E-03	9.53E-04	1.81E-04	1.53E-04	8.63E-04	6.99E-04	1.41E-04	1.36E-04	1.06E-04	6.92E-05
214	563512.94	4234914.26	1.06E-03	9.43E-04	1.79E-04	1.51E-04	8.53E-04	6.92E-04	1.40E-04	1.34E-04	1.04E-04	6.85E-05
215	563515.29	4234929	1.05E-03	9.33E-04	1.78E-04	1.50E-04	8.45E-04	6.85E-04	1.38E-04	1.33E-04	1.03E-04	6.78E-05
216	563517.63	4234943.74	1.04E-03	9.24E-04	1.76E-04	1.48E-04	8.37E-04	6.78E-04	1.37E-04	1.31E-04	1.02E-04	6.71E-05
217	563519.97	4234958.49	1.02E-03	9.14E-04	1.74E-04	1.46E-04	8.27E-04	6.70E-04	1.35E-04	1.30E-04	1.01E-04	6.64E-05
218	563522.31	4234973.23	1.01E-03	9.01E-04	1.71E-04	1.44E-04	8.15E-04	6.61E-04	1.34E-04	1.28E-04	9.97E-05	6.55E-05
219	563524.66	4234987.97	9.92E-04	8.85E-04	1.68E-04	1.42E-04	8.01E-04	6.49E-04	1.31E-04	1.26E-04	9.80E-05	6.43E-05
220	563523.28	4235009.19	9.82E-04	8.76E-04	1.67E-04	1.40E-04	7.93E-04	6.43E-04	1.30E-04	1.25E-04	9.70E-05	6.37E-05
221	563515.84	4235022.13	1.00E-03	8.94E-04	1.70E-04	1.43E-04	8.09E-04	6.56E-04	1.33E-04	1.27E-04	9.90E-05	6.50E-05
222	563508.4	4235035.07	1.02E-03	9.12E-04	1.74E-04	1.46E-04	8.26E-04	6.69E-04	1.35E-04	1.30E-04	1.01E-04	6.63E-05
223	563500.95	4235048.01	1.04E-03	9.32E-04	1.77E-04	1.49E-04	8.44E-04	6.84E-04	1.38E-04	1.33E-04	1.03E-04	6.77E-05
224	563493.51	4235060.95	1.07E-03	9.54E-04	1.82E-04	1.53E-04	8.64E-04	7.00E-04	1.41E-04	1.36E-04	1.06E-04	6.93E-05
225	563486.07	4235073.89	1.10E-03	9.80E-04	1.86E-04	1.57E-04	8.87E-04	7.19E-04	1.45E-04	1.39E-04	1.08E-04	7.12E-05
226	563478.63	4235086.83	1.13E-03	1.01E-03	1.91E-04	1.61E-04	9.11E-04	7.38E-04	1.49E-04	1.43E-04	1.11E-04	7.31E-05
227	563471.19	4235099.77	1.16E-03	1.03E-03	1.96E-04	1.65E-04	9.34E-04	7.57E-04	1.53E-04	1.47E-04	1.14E-04	7.50E-05
228	563463.75	4235112.72	1.18E-03	1.05E-03	2.00E-04	1.69E-04	9.52E-04	7.72E-04	1.56E-04	1.50E-04	1.16E-04	7.64E-05
229	563456.31	4235125.66	1.20E-03	1.07E-03	2.04E-04	1.72E-04	9.70E-04	7.86E-04	1.59E-04	1.52E-04	1.19E-04	7.78E-05
230	563448.86	4235138.6	1.22E-03	1.09E-03	2.07E-04	1.74E-04	9.85E-04	7.98E-04	1.61E-04	1.55E-04	1.20E-04	7.91E-05
231	563441.42	4235151.54	1.23E-03	1.10E-03	2.09E-04	1.76E-04	9.95E-04	8.06E-04	1.63E-04	1.56E-04	1.22E-04	7.99E-05
232	563494.08	4234811.73	1.18E-03	1.05E-03	2.00E-04	1.69E-04	9.53E-04	7.72E-04	1.56E-04	1.50E-04	1.17E-04	7.65E-05
233	563486.81	4234798.33	1.21E-03	1.08E-03	2.05E-04	1.73E-04	9.77E-04	7.92E-04	1.60E-04	1.54E-04	1.20E-04	7.84E-05
234	563516.46	4234816.2	1.06E-03	9.42E-04	1.79E-04	1.51E-04	8.53E-04	6.91E-04	1.40E-04	1.34E-04	1.04E-04	6.85E-05
235	563518.78	4234830.83	1.04E-03	9.23E-04	1.76E-04	1.48E-04	8.36E-04	6.77E-04	1.37E-04	1.31E-04	1.02E-04	6.71E-05
236	563521.1	4234845.45	1.01E-03	9.03E-04	1.72E-04	1.45E-04	8.18E-04	6.63E-04	1.34E-04	1.28E-04	1.00E-04	6.56E-05
237	563523.43	4234860.08	9.98E-04	8.90E-04	1.69E-04	1.43E-04	8.06E-04	6.53E-04	1.32E-04	1.27E-04	9.85E-05	6.47E-05
238	563525.75	4234874.7	9.90E-04	8.83E-04	1.68E-04	1.42E-04	7.99E-04	6.48E-04	1.31E-04	1.26E-04	9.77E-05	6.41E-05
239	563528.08	4234889.33	9.85E-04	8.79E-04	1.67E-04	1.41E-04	7.96E-04	6.45E-04	1.30E-04	1.25E-04	9.73E-05	6.39E-05
240	563530.4	4234903.96	9.73E-04	8.68E-04	1.65E-04	1.39E-04	7.86E-04	6.37E-04	1.29E-04	1.23E-04	9.61E-05	6.31E-05
241	563532.72	4234918.58	9.63E-04	8.59E-04	1.63E-04	1.38E-04	7.78E-04	6.30E-04	1.27E-04	1.22E-04	9.51E-05	6.24E-05
242	563535.05	4234933.21	9.54E-04	8.51E-04	1.62E-04	1.36E-04	7.71E-04	6.24E-04	1.26E-04	1.21E-04	9.42E-05	6.18E-05
243	563537.37	4234947.83	9.45E-04	8.43E-04	1.60E-04	1.35E-04	7.63E-04	6.19E-04	1.25E-04	1.20E-04	9.34E-05	6.13E-05
244	563539.7	4234962.46	9.35E-04	8.34E-04	1.59E-04	1.34E-04	7.55E-04	6.12E-04	1.24E-04	1.19E-04	9.24E-05	6.06E-05
245	563542.02	4234977.09	9.23E-04	8.23E-04	1.57E-04	1.32E-04	7.45E-04	6.04E-04	1.22E-04	1.17E-04	9.11E-05	5.98E-05
246	563544.34	4234991.71	9.07E-04	8.09E-04	1.54E-04	1.30E-04	7.33E-04	5.94E-04	1.20E-04	1.15E-04	8.96E-05	5.88E-05
247	563542.98	4235012.76	8.97E-04	8.00E-04	1.52E-04	1.28E-04	7.25E-04	5.87E-04	1.19E-04	1.14E-04	8.86E-05	5.82E-05
248	563535.59	4235025.6	9.13E-04	8.15E-04	1.55E-04	1.31E-04	7.38E-04	5.98E-04	1.21E-04	1.16E-04	9.02E-05	5.92E-05
249	563528.21	4235038.43	9.29E-04	8.29E-04	1.58E-04	1.33E-04	7.50E-04	6.08E-04	1.23E-04	1.18E-04	9.18E-05	6.02E-05
250	563520.83	4235051.27	9.46E-04	8.44E-04	1.61E-04	1.35E-04	7.64E-04	6.19E-04	1.25E-04	1.20E-04	9.35E-05	6.13E-05
251	563513.45	4235064.11	9.66E-04	8.62E-04	1.64E-04	1.38E-04	7.80E-04	6.32E-04	1.28E-04	1.23E-04	9.54E-05	6.26E-05
252	563506.07	4235076.95	9.90E-04	8.83E-04	1.68E-04	1.42E-04	7.99E-04	6.48E-04	1.31E-04	1.26E-04	9.78E-05	6.42E-05
253	563498.68	4235089.79	1.02E-03	9.06E-04	1.72E-04	1.45E-04	8.20E-04	6.65E-04	1.34E-04	1.29E-04	1.00E-04	6.58E-05
254	563491.3	4235102.63	1.04E-03	9.30E-04	1.77E-04	1.49E-04	8.42E-04	6.82E-04	1.38E-04	1.32E-04	1.03E-04	6.76E-05
255	563483.92	4235115.47	1.06E-03	9.49E-04	1.80E-04	1.52E-04	8.59E-04	6.96E-04	1.41E-04	1.35E-04	1.05E-04	6.89E-05
256	563476.54	4235128.3	1.09E-03	9.69E-04	1.84E-04	1.55E-04	8.77E-04	7.11E-04	1.44E-04	1.38E-04	1.07E-04	7.04E-05
257	563469.15	4235141.14	1.11E-03	9.87E-04	1.88E-04	1.58E-04	8.94E-04	7.24E-04	1.46E-04	1.40E-04	1.09E-04	7.17E-05
258	563461.77	4235153.98	1.12E-03	1.00E-03	1.90E-04	1.60E-04	9.05E-04	7.33E-04	1.48E-04	1.42E-04	1.11E-04	7.26E-05
259	563454.39	4235166.82	1.13E-03	1.01E-03	1.91E-04	1.61E-04	9.11E-04	7.38E-04	1.49E-04	1.43E-04	1.11E-04	7.31E-05
260	563511.66	4234802.19	1.09E-03	9.70E-04	1.84E-04	1.55E-04	8.78E-04	7.11E-04	1.44E-04	1.38E-04	1.07E-04	7.05E-05
261	563504.38	4234788.79	1.12E-03	9.98E-04	1.90E-04	1.60E-04	9.04E-04	7.32E-04	1.48E-04	1.42E-04	1.11E-04	7.25E-05
262	563551.63	4234797.26	9.04E-04	8.06E-04	1.53E-04	1.29E-04	7.30E-04	5.91E-04	1.19E-04	1.15E-04	8.92E-05	5.86E-05
263	563554	4234812.18	8.89E-04	7.93E-04	1.51E-04	1.27E-04	7.18E-04	5.82E-04	1.18E-04	1.13E-04	8.78E-05	5.76E-05
264	563556.38	4234827.1	8.80E-04	7.85E-04	1.49E-04	1.26E-04	7.10E-04	5.76E-04	1.16E-04	1.12E-04	8.69E-05	5.70E-05
265	563558.75	4234842.02	8.76E-04	7.82E-04	1.49E-04	1.25E-04	7.07E-04	5.73E-04	1.16E-04	1.11E-04	8.65E-05	5.68E-05
266	563561.12	4234856.94	8.68E-04	7.74E-04	1.47E-04	1.24E-04	7.01E-04	5.68E-04	1.15E-04	1.10E-04	8.57E-05	5.63E-05
267	563563.49	4234871.86	8.53E-04	7.61E-04	1.45E-04	1.22E-04	6.89E-04	5.58E-04	1.13E-04	1.08E-04	8.42E-05	5.53E-05
268	563565.86	4234886.78	8.40E-04	7.49E-04	1.42E-04	1.20E-04	6.78E-04	5.49E-04	1.11E-04	1.07E-04	8.29E-05	5.44E-05
269	563568.23	4234901.69	8.29E-04	7.40E-04	1.41E-04	1.19E-04	6.69E-04	5.43E-04	1.10E-04	1.05E-04	8.19E-05	5.37E-05
270	563570.6	4234916.61	8.21E-04	7.32E-04	1.39E-04	1.17E-04	6.63E-04	5.37E-04	1.09E-04	1.04E-04	8.11E-05	5.32E-05
271	563572.97	4234931.53	8.14E-04	7.26E-04	1.38E-04	1.16E-04	6.57E-04	5.33E-04	1.08E-04	1.03E-04	8.04E-05	5.28E-05
272	563575.34	4234946.45	8.07E-04	7.20E-04	1.37E-04	1.15E-04	6.52E-04	5.28E-04	1.07E-04	1.02E-04	7.97E-05	5.23E-05

273	563577.71	4234961.37	8.00E-04	7.14E-04	1.36E-04	1.14E-04	6.46E-04	5.24E-04	1.06E-04	1.02E-04	7.90E-05	5.18E-05
274	563580.08	4234976.29	7.90E-04	7.05E-04	1.34E-04	1.13E-04	6.38E-04	5.17E-04	1.04E-04	1.00E-04	7.80E-05	5.12E-05
275	563582.45	4234991.21	7.78E-04	6.94E-04	1.32E-04	1.11E-04	6.28E-04	5.09E-04	1.03E-04	9.87E-05	7.68E-05	5.04E-05
276	563584.82	4235006.12	7.63E-04	6.80E-04	1.29E-04	1.09E-04	6.16E-04	4.99E-04	1.01E-04	9.68E-05	7.53E-05	4.94E-05
277	563582.24	4235020.13	7.60E-04	6.78E-04	1.29E-04	1.09E-04	6.13E-04	4.97E-04	1.00E-04	9.64E-05	7.50E-05	4.92E-05
278	563574.71	4235033.23	7.69E-04	6.86E-04	1.30E-04	1.10E-04	6.21E-04	5.03E-04	1.02E-04	9.76E-05	7.59E-05	4.98E-05
279	563567.18	4235046.32	7.79E-04	6.95E-04	1.32E-04	1.11E-04	6.29E-04	5.09E-04	1.03E-04	9.88E-05	7.69E-05	5.05E-05
280	563559.65	4235059.42	7.90E-04	7.05E-04	1.34E-04	1.13E-04	6.38E-04	5.17E-04	1.04E-04	1.00E-04	7.80E-05	5.12E-05
281	563552.12	4235072.51	8.04E-04	7.17E-04	1.36E-04	1.15E-04	6.49E-04	5.26E-04	1.06E-04	1.02E-04	7.94E-05	5.21E-05
282	563544.59	4235085.61	8.20E-04	7.32E-04	1.39E-04	1.17E-04	6.62E-04	5.37E-04	1.09E-04	1.04E-04	8.10E-05	5.32E-05
283	563537.06	4235098.7	8.40E-04	7.49E-04	1.43E-04	1.20E-04	6.78E-04	5.50E-04	1.11E-04	1.07E-04	8.30E-05	5.44E-05
284	563522	4235124.89	8.85E-04	7.89E-04	1.50E-04	1.27E-04	7.14E-04	5.79E-04	1.17E-04	1.12E-04	8.74E-05	5.73E-05
285	563514.47	4235137.99	9.04E-04	8.07E-04	1.53E-04	1.29E-04	7.30E-04	5.92E-04	1.20E-04	1.15E-04	8.93E-05	5.86E-05
286	563506.94	4235151.08	9.21E-04	8.22E-04	1.56E-04	1.32E-04	7.44E-04	6.03E-04	1.22E-04	1.17E-04	9.10E-05	5.97E-05
287	563499.41	4235164.18	9.35E-04	8.34E-04	1.59E-04	1.34E-04	7.55E-04	6.12E-04	1.24E-04	1.19E-04	9.24E-05	6.06E-05
288	563491.88	4235177.27	9.46E-04	8.44E-04	1.61E-04	1.35E-04	7.64E-04	6.19E-04	1.25E-04	1.20E-04	9.34E-05	6.13E-05
289	563484.35	4235190.37	9.54E-04	8.51E-04	1.62E-04	1.36E-04	7.70E-04	6.24E-04	1.26E-04	1.21E-04	9.42E-05	6.18E-05
290	563476.82	4235203.46	9.58E-04	8.55E-04	1.63E-04	1.37E-04	7.74E-04	6.27E-04	1.27E-04	1.22E-04	9.46E-05	6.21E-05
291	563546.81	4234783.11	9.23E-04	8.24E-04	1.57E-04	1.32E-04	7.46E-04	6.04E-04	1.22E-04	1.17E-04	9.12E-05	5.98E-05
292	563539.54	4234769.71	9.40E-04	8.38E-04	1.59E-04	1.34E-04	7.59E-04	6.15E-04	1.24E-04	1.19E-04	9.28E-05	6.09E-05
293	563586.77	4234778.08	7.83E-04	6.98E-04	1.33E-04	1.12E-04	6.32E-04	5.12E-04	1.04E-04	9.93E-05	7.73E-05	5.07E-05
294	563589.11	4234792.79	7.74E-04	6.91E-04	1.31E-04	1.11E-04	6.25E-04	5.07E-04	1.02E-04	9.83E-05	7.65E-05	5.02E-05
295	563591.45	4234807.5	7.75E-04	6.91E-04	1.31E-04	1.11E-04	6.25E-04	5.07E-04	1.02E-04	9.83E-05	7.65E-05	5.02E-05
296	563593.79	4234822.22	7.71E-04	6.88E-04	1.31E-04	1.10E-04	6.23E-04	5.05E-04	1.02E-04	9.78E-05	7.61E-05	5.00E-05
297	563596.12	4234836.93	7.60E-04	6.78E-04	1.29E-04	1.09E-04	6.14E-04	4.98E-04	1.01E-04	9.65E-05	7.51E-05	4.93E-05
298	563598.46	4234851.64	7.49E-04	6.69E-04	1.27E-04	1.07E-04	6.05E-04	4.90E-04	9.91E-05	9.51E-05	7.40E-05	4.86E-05
299	563600.8	4234866.35	7.39E-04	6.59E-04	1.25E-04	1.06E-04	5.97E-04	4.84E-04	9.77E-05	9.38E-05	7.30E-05	4.79E-05
300	563603.14	4234881.06	7.30E-04	6.51E-04	1.24E-04	1.04E-04	5.89E-04	4.78E-04	9.65E-05	9.26E-05	7.21E-05	4.73E-05
301	563605.47	4234895.78	7.22E-04	6.44E-04	1.23E-04	1.03E-04	5.83E-04	4.73E-04	9.55E-05	9.16E-05	7.13E-05	4.68E-05
302	563607.81	4234910.49	7.16E-04	6.39E-04	1.21E-04	1.02E-04	5.78E-04	4.69E-04	9.47E-05	9.09E-05	7.07E-05	4.64E-05
303	563610.15	4234925.2	7.11E-04	6.34E-04	1.21E-04	1.02E-04	5.74E-04	4.65E-04	9.40E-05	9.02E-05	7.02E-05	4.61E-05
304	563612.49	4234939.91	7.05E-04	6.29E-04	1.20E-04	1.01E-04	5.70E-04	4.62E-04	9.33E-05	8.95E-05	6.97E-05	4.57E-05
305	563614.83	4234954.62	7.00E-04	6.24E-04	1.19E-04	1.00E-04	5.65E-04	4.58E-04	9.26E-05	8.88E-05	6.91E-05	4.54E-05
306	563617.16	4234969.34	6.93E-04	6.19E-04	1.18E-04	9.92E-05	5.60E-04	4.54E-04	9.17E-05	8.80E-05	6.85E-05	4.49E-05
307	563619.5	4234984.05	6.85E-04	6.11E-04	1.16E-04	9.79E-05	5.53E-04	4.48E-04	9.05E-05	8.69E-05	6.76E-05	4.44E-05
308	563621.84	4234998.76	6.73E-04	6.01E-04	1.14E-04	9.63E-05	5.44E-04	4.41E-04	8.91E-05	8.54E-05	6.65E-05	4.36E-05
309	563624.18	4235013.47	6.60E-04	5.89E-04	1.12E-04	9.44E-05	5.33E-04	4.32E-04	8.73E-05	8.38E-05	6.52E-05	4.28E-05
310	563621.63	4235027.29	6.56E-04	5.86E-04	1.11E-04	9.39E-05	5.30E-04	4.30E-04	8.68E-05	8.33E-05	6.48E-05	4.25E-05
311	563614.21	4235040.2	6.62E-04	5.91E-04	1.12E-04	9.47E-05	5.35E-04	4.33E-04	8.76E-05	8.41E-05	6.54E-05	4.29E-05
312	563606.78	4235053.11	6.68E-04	5.96E-04	1.13E-04	9.55E-05	5.39E-04	4.37E-04	8.83E-05	8.47E-05	6.59E-05	4.33E-05
313	563599.35	4235066.03	6.73E-04	6.00E-04	1.14E-04	9.62E-05	5.43E-04	4.40E-04	8.89E-05	8.53E-05	6.64E-05	4.36E-05
314	563591.93	4235078.94	6.80E-04	6.06E-04	1.15E-04	9.72E-05	5.49E-04	4.45E-04	8.99E-05	8.62E-05	6.71E-05	4.40E-05
315	563584.5	4235091.86	6.90E-04	6.16E-04	1.17E-04	9.87E-05	5.57E-04	4.52E-04	9.13E-05	8.76E-05	6.82E-05	4.47E-05
316	563577.08	4235104.77	7.03E-04	6.28E-04	1.19E-04	1.01E-04	5.68E-04	4.60E-04	9.30E-05	8.93E-05	6.95E-05	4.56E-05
317	563569.65	4235117.68	7.19E-04	6.41E-04	1.22E-04	1.03E-04	5.80E-04	4.70E-04	9.51E-05	9.12E-05	7.10E-05	4.66E-05
318	563554.8	4235143.51	7.52E-04	6.71E-04	1.28E-04	1.08E-04	6.07E-04	4.92E-04	9.95E-05	9.55E-05	7.43E-05	4.88E-05
319	563547.37	4235156.43	7.68E-04	6.85E-04	1.30E-04	1.10E-04	6.20E-04	5.03E-04	1.02E-04	9.75E-05	7.59E-05	4.98E-05
320	563539.95	4235169.34	7.82E-04	6.98E-04	1.33E-04	1.12E-04	6.31E-04	5.12E-04	1.03E-04	9.92E-05	7.72E-05	5.07E-05
321	563532.52	4235182.25	7.95E-04	7.09E-04	1.35E-04	1.14E-04	6.42E-04	5.20E-04	1.05E-04	1.01E-04	7.85E-05	5.15E-05
322	563525.1	4235195.17	8.05E-04	7.18E-04	1.37E-04	1.15E-04	6.50E-04	5.27E-04	1.06E-04	1.02E-04	7.95E-05	5.22E-05
323	563517.67	4235208.08	8.13E-04	7.25E-04	1.38E-04	1.16E-04	6.57E-04	5.32E-04	1.08E-04	1.03E-04	8.03E-05	5.27E-05
324	563510.25	4235220.99	8.19E-04	7.31E-04	1.39E-04	1.17E-04	6.61E-04	5.36E-04	1.08E-04	1.04E-04	8.09E-05	5.31E-05
325	563502.82	4235233.91	8.23E-04	7.34E-04	1.40E-04	1.18E-04	6.64E-04	5.39E-04	1.09E-04	1.04E-04	8.13E-05	5.33E-05
326	563581.97	4234764.02	8.04E-04	7.17E-04	1.36E-04	1.15E-04	6.49E-04	5.26E-04	1.06E-04	1.02E-04	7.94E-05	5.21E-05
327	563574.69	4234750.62	8.34E-04	7.44E-04	1.42E-04	1.19E-04	6.73E-04	5.46E-04	1.10E-04	1.06E-04	8.24E-05	5.41E-05
328	563621.95	4234759.11	7.08E-04	6.32E-04	1.20E-04	1.01E-04	5.72E-04	4.63E-04	9.36E-05	8.98E-05	6.99E-05	4.59E-05
329	563624.32	4234774.06	6.95E-04	6.20E-04	1.18E-04	9.94E-05	5.61E-04	4.55E-04	9.19E-05	8.82E-05	6.86E-05	4.50E-05
330	563626.7	4234789	6.83E-04	6.10E-04	1.16E-04	9.77E-05	5.52E-04	4.47E-04	9.04E-05	8.67E-05	6.75E-05	4.43E-05
331	563629.07	4234803.94	6.74E-04	6.01E-04	1.14E-04	9.63E-05	5.44E-04	4.41E-04	8.91E-05	8.55E-05	6.65E-05	4.37E-05
332	563631.44	4234818.88	6.65E-04	5.93E-04	1.13E-04	9.51E-05	5.37E-04	4.35E-04	8.79E-05	8.44E-05	6.57E-05	4.31E-05
333	563633.82	4234833.82	6.57E-04	5.86E-04	1.11E-04	9.39E-05	5.30E-04	4.30E-04	8.68E-05	8.33E-05	6.48E-05	4.26E-05
334	563636.19	4234848.77	6.50E-04	5.80E-04	1.10E-04	9.29E-05	5.25E-04	4.25E-04	8.59E-05	8.24E-05	6.42E-05	4.21E-05
335	563638.57	4234863.71	6.44E-04	5.74E-04	1.09E-04	9.21E-05	5.20E-04	4.21E-04	8.51E-05	8.17E-05	6.36E-05	4.17E-05
336	563640.94	4234878.65	6.39E-04	5.70E-04	1.08E-04	9.13E-05	5.16E-04	4.18E-04	8.45E-05	8.10E-05	6.31E-05	4.14E-05
337	563643.31	4234893.59	6.34E-04	5.66E-04	1.08E-04	9.07E-05	5.12E-04	4.15E-04	8.39E-05	8.05E-05	6.27E-05	4.11E-05
338	563645.69	4234908.54	6.31E-04	5.63E-04	1.07E-04	9.02E-05	5.09E-04	4.13E-04	8.34E-05	8.00E-05	6.23E-05	4.09E-05
339	563648.06	4234923.48	6.27E-04	5.59E-04	1.06E-04	8.97E-05	5.06E-04	4.10E-04	8.29E-05	7.96E-05	6.19E-05	4.06E-05
340	563650.44	4234938.42	6.23E-04	5.56E-04	1.06E-04	8.91E-05	5.03E-04	4.08E-04	8.24E-05	7.91E-05	6.16E-05	4.04E-05
341	563652.81	4234953.36	6.19E-04	5.52E-04	1.05E-04	8.85E-05	5.00E-04	4.05E-04	8.19E-05	7.86E-05	6.11E-05	4.01E-05

342	563655.19	4234968.3	6.14E-04	5.48E-04	1.04E-04	8.78E-05	4.96E-04	4.02E-04	8.12E-05	7.79E-05	6.06E-05	3.98E-05
343	563657.56	4234983.25	6.07E-04	5.41E-04	1.03E-04	8.67E-05	4.90E-04	3.97E-04	8.02E-05	7.70E-05	5.99E-05	3.93E-05
344	563659.93	4234998.19	5.97E-04	5.33E-04	1.01E-04	8.54E-05	4.82E-04	3.91E-04	7.90E-05	7.58E-05	5.90E-05	3.87E-05
345	563662.31	4235013.13	5.84E-04	5.21E-04	9.90E-05	8.34E-05	4.71E-04	3.82E-04	7.72E-05	7.40E-05	5.76E-05	3.78E-05
346	563660.91	4235034.63	5.69E-04	5.08E-04	9.66E-05	8.14E-05	4.60E-04	3.73E-04	7.53E-05	7.22E-05	5.62E-05	3.69E-05
347	563653.37	4235047.75	5.74E-04	5.12E-04	9.74E-05	8.21E-05	4.64E-04	3.76E-04	7.59E-05	7.29E-05	5.67E-05	3.72E-05
348	563645.83	4235060.86	5.77E-04	5.15E-04	9.80E-05	8.26E-05	4.66E-04	3.78E-04	7.64E-05	7.33E-05	5.70E-05	3.74E-05
349	563638.29	4235073.98	5.80E-04	5.17E-04	9.84E-05	8.30E-05	4.68E-04	3.80E-04	7.67E-05	7.36E-05	5.73E-05	3.76E-05
350	563630.74	4235087.1	5.83E-04	5.20E-04	9.90E-05	8.34E-05	4.71E-04	3.82E-04	7.71E-05	7.40E-05	5.76E-05	3.78E-05
351	563623.2	4235100.21	5.89E-04	5.26E-04	1.00E-04	8.43E-05	4.76E-04	3.86E-04	7.79E-05	7.48E-05	5.82E-05	3.82E-05
352	563615.66	4235113.33	5.99E-04	5.34E-04	1.02E-04	8.57E-05	4.84E-04	3.92E-04	7.92E-05	7.60E-05	5.92E-05	3.88E-05
353	563608.12	4235126.44	6.12E-04	5.46E-04	1.04E-04	8.76E-05	4.94E-04	4.01E-04	8.10E-05	7.77E-05	6.05E-05	3.97E-05
354	563600.58	4235139.56	6.26E-04	5.58E-04	1.06E-04	8.95E-05	5.05E-04	4.10E-04	8.28E-05	7.94E-05	6.18E-05	4.06E-05
355	563585.49	4235165.79	6.55E-04	5.84E-04	1.11E-04	9.37E-05	5.29E-04	4.29E-04	8.66E-05	8.31E-05	6.47E-05	4.24E-05
356	563577.95	4235178.91	6.70E-04	5.97E-04	1.14E-04	9.58E-05	5.41E-04	4.38E-04	8.85E-05	8.50E-05	6.61E-05	4.34E-05
357	563570.41	4235192.02	6.81E-04	6.08E-04	1.16E-04	9.75E-05	5.50E-04	4.46E-04	9.01E-05	8.65E-05	6.73E-05	4.42E-05
358	563562.87	4235205.14	6.91E-04	6.16E-04	1.17E-04	9.88E-05	5.58E-04	4.52E-04	9.14E-05	8.77E-05	6.82E-05	4.48E-05
359	563555.33	4235218.26	6.97E-04	6.22E-04	1.18E-04	9.97E-05	5.63E-04	4.56E-04	9.22E-05	8.85E-05	6.88E-05	4.52E-05
360	563547.78	4235231.37	7.03E-04	6.27E-04	1.19E-04	1.01E-04	5.68E-04	4.60E-04	9.30E-05	8.92E-05	6.94E-05	4.56E-05
361	563540.24	4235244.49	7.11E-04	6.35E-04	1.21E-04	1.02E-04	5.74E-04	4.65E-04	9.41E-05	9.03E-05	7.02E-05	4.61E-05
362	563532.7	4235257.6	7.19E-04	6.41E-04	1.22E-04	1.03E-04	5.81E-04	4.71E-04	9.51E-05	9.12E-05	7.10E-05	4.66E-05
363	563617.12	4234744.94	7.25E-04	6.46E-04	1.23E-04	1.04E-04	5.85E-04	4.74E-04	9.58E-05	9.19E-05	7.16E-05	4.70E-05
364	563609.85	4234731.54	7.46E-04	6.65E-04	1.27E-04	1.07E-04	6.02E-04	4.88E-04	9.86E-05	9.47E-05	7.37E-05	4.83E-05
365	563657.09	4234739.94	6.33E-04	5.65E-04	1.07E-04	9.05E-05	5.11E-04	4.14E-04	8.37E-05	8.03E-05	6.25E-05	4.10E-05
366	563659.43	4234754.71	6.19E-04	5.52E-04	1.05E-04	8.85E-05	5.00E-04	4.05E-04	8.19E-05	7.85E-05	6.11E-05	4.01E-05
367	563661.78	4234769.48	6.08E-04	5.42E-04	1.03E-04	8.69E-05	4.91E-04	3.98E-04	8.03E-05	7.71E-05	6.00E-05	3.94E-05
368	563664.13	4234784.25	5.97E-04	5.33E-04	1.01E-04	8.54E-05	4.82E-04	3.91E-04	7.90E-05	7.58E-05	5.90E-05	3.87E-05
369	563666.47	4234799.02	5.87E-04	5.23E-04	9.95E-05	8.39E-05	4.74E-04	3.84E-04	7.76E-05	7.44E-05	5.79E-05	3.80E-05
370	563668.82	4234813.79	5.78E-04	5.15E-04	9.80E-05	8.26E-05	4.66E-04	3.78E-04	7.64E-05	7.33E-05	5.71E-05	3.74E-05
371	563671.17	4234828.56	5.71E-04	5.10E-04	9.69E-05	8.17E-05	4.61E-04	3.74E-04	7.56E-05	7.25E-05	5.64E-05	3.70E-05
372	563673.51	4234843.33	5.67E-04	5.06E-04	9.62E-05	8.11E-05	4.58E-04	3.71E-04	7.50E-05	7.19E-05	5.60E-05	3.67E-05
373	563675.86	4234858.09	5.64E-04	5.03E-04	9.56E-05	8.06E-05	4.55E-04	3.69E-04	7.45E-05	7.15E-05	5.57E-05	3.65E-05
374	563678.21	4234872.86	5.62E-04	5.01E-04	9.53E-05	8.03E-05	4.53E-04	3.67E-04	7.43E-05	7.13E-05	5.55E-05	3.64E-05
375	563680.55	4234887.63	5.60E-04	5.00E-04	9.51E-05	8.01E-05	4.52E-04	3.67E-04	7.41E-05	7.11E-05	5.53E-05	3.63E-05
376	563682.9	4234902.4	5.59E-04	4.99E-04	9.49E-05	8.00E-05	4.52E-04	3.66E-04	7.40E-05	7.10E-05	5.52E-05	3.62E-05
377	563685.25	4234917.17	5.58E-04	4.98E-04	9.47E-05	7.98E-05	4.51E-04	3.65E-04	7.38E-05	7.08E-05	5.51E-05	3.62E-05
378	563687.59	4234931.94	5.56E-04	4.96E-04	9.44E-05	7.95E-05	4.49E-04	3.64E-04	7.35E-05	7.06E-05	5.49E-05	3.60E-05
379	563689.94	4234946.71	5.54E-04	4.94E-04	9.40E-05	7.92E-05	4.47E-04	3.63E-04	7.33E-05	7.03E-05	5.47E-05	3.59E-05
380	563692.29	4234961.48	5.51E-04	4.92E-04	9.35E-05	7.88E-05	4.45E-04	3.61E-04	7.29E-05	6.99E-05	5.44E-05	3.57E-05
381	563694.63	4234976.24	5.45E-04	4.86E-04	9.25E-05	7.79E-05	4.40E-04	3.57E-04	7.21E-05	6.91E-05	5.38E-05	3.53E-05
382	563696.98	4234991.01	5.35E-04	4.77E-04	9.07E-05	7.65E-05	4.32E-04	3.50E-04	7.07E-05	6.78E-05	5.28E-05	3.46E-05
383	563699.33	4235005.78	5.26E-04	4.69E-04	8.92E-05	7.52E-05	4.24E-04	3.44E-04	6.95E-05	6.67E-05	5.19E-05	3.41E-05
384	563701.67	4235020.55	5.17E-04	4.61E-04	8.77E-05	7.39E-05	4.17E-04	3.38E-04	6.84E-05	6.56E-05	5.11E-05	3.35E-05
385	563700.29	4235041.8	5.08E-04	4.53E-04	8.62E-05	7.26E-05	4.10E-04	3.32E-04	6.71E-05	6.44E-05	5.01E-05	3.29E-05
386	563692.84	4235054.76	5.09E-04	4.54E-04	8.63E-05	7.27E-05	4.11E-04	3.33E-04	6.73E-05	6.45E-05	5.02E-05	3.30E-05
387	563685.39	4235067.73	5.08E-04	4.53E-04	8.63E-05	7.27E-05	4.10E-04	3.33E-04	6.72E-05	6.45E-05	5.02E-05	3.29E-05
388	563677.93	4235080.69	5.08E-04	4.53E-04	8.61E-05	7.26E-05	4.10E-04	3.32E-04	6.71E-05	6.44E-05	5.01E-05	3.29E-05
389	563670.48	4235093.66	5.08E-04	4.54E-04	8.63E-05	7.27E-05	4.10E-04	3.33E-04	6.72E-05	6.45E-05	5.02E-05	3.29E-05
390	563663.02	4235106.62	5.12E-04	4.57E-04	8.69E-05	7.32E-05	4.13E-04	3.35E-04	6.77E-05	6.50E-05	5.06E-05	3.32E-05
391	563655.57	4235119.58	5.16E-04	4.61E-04	8.76E-05	7.39E-05	4.17E-04	3.38E-04	6.83E-05	6.55E-05	5.10E-05	3.35E-05
392	563648.11	4235132.55	5.24E-04	4.67E-04	8.89E-05	7.49E-05	4.23E-04	3.43E-04	6.93E-05	6.65E-05	5.17E-05	3.40E-05
393	563640.66	4235145.51	5.36E-04	4.78E-04	9.09E-05	7.66E-05	4.33E-04	3.51E-04	7.08E-05	6.80E-05	5.29E-05	3.47E-05
394	563633.21	4235158.47	5.48E-04	4.89E-04	9.30E-05	7.84E-05	4.42E-04	3.59E-04	7.25E-05	6.95E-05	5.41E-05	3.55E-05
395	563618.3	4235184.4	5.70E-04	5.09E-04	9.68E-05	8.16E-05	4.61E-04	3.73E-04	7.54E-05	7.24E-05	5.63E-05	3.70E-05
396	563610.84	4235197.36	5.82E-04	5.19E-04	9.87E-05	8.32E-05	4.70E-04	3.81E-04	7.70E-05	7.38E-05	5.75E-05	3.77E-05
397	563603.39	4235210.33	5.92E-04	5.28E-04	1.00E-04	8.46E-05	4.78E-04	3.87E-04	7.82E-05	7.51E-05	5.84E-05	3.83E-05
398	563595.93	4235223.29	6.00E-04	5.36E-04	1.02E-04	8.59E-05	4.85E-04	3.93E-04	7.94E-05	7.62E-05	5.93E-05	3.89E-05
399	563588.48	4235236.26	6.07E-04	5.41E-04	1.03E-04	8.68E-05	4.90E-04	3.97E-04	8.02E-05	7.70E-05	5.99E-05	3.93E-05
400	563581.03	4235249.22	6.15E-04	5.48E-04	1.04E-04	8.79E-05	4.96E-04	4.02E-04	8.13E-05	7.80E-05	6.07E-05	3.98E-05
401	563573.57	4235262.18	6.23E-04	5.56E-04	1.06E-04	8.91E-05	5.03E-04	4.08E-04	8.24E-05	7.91E-05	6.15E-05	4.04E-05
402	563566.12	4235275.15	6.35E-04	5.66E-04	1.08E-04	9.08E-05	5.13E-04	4.15E-04	8.40E-05	8.06E-05	6.27E-05	4.11E-05
403	563558.66	4235288.11	6.45E-04	5.76E-04	1.10E-04	9.23E-05	5.21E-04	4.22E-04	8.54E-05	8.19E-05	6.37E-05	4.18E-05
404	563652.28	4234725.86	6.54E-04	5.83E-04	1.11E-04	9.35E-05	5.28E-04	4.28E-04	8.64E-05	8.29E-05	6.45E-05	4.24E-05
405	563645	4234712.46	6.78E-04	6.05E-04	1.15E-04	9.70E-05	5.48E-04	4.44E-04	8.97E-05	8.61E-05	6.70E-05	4.40E-05
406	563692.26	4234720.96	5.70E-04	5.09E-04	9.67E-05	8.15E-05	4.60E-04	3.73E-04	7.54E-05	7.23E-05	5.63E-05	3.69E-05
407	563694.64	4234735.92	5.56E-04	4.96E-04	9.43E-05	7.95E-05	4.49E-04	3.64E-04	7.35E-05	7.05E-05	5.49E-05	3.60E-05
408	563697.01	4234750.87	5.42E-04	4.83E-04	9.20E-05	7.75E-05	4.38E-04	3.55E-04	7.17E-05	6.88E-05	5.35E-05	3.51E-05
409	563699.39	4234765.83	5.32E-04	4.74E-04	9.02E-05	7.60E-05	4.29E-04	3.48E-04	7.03E-05	6.75E-05	5.25E-05	3.45E-05
410	563701.77	4234780.79	5.23E-04	4.67E-04	8.88E-05	7.48E-05	4.22E-04	3.42E-04	6.92E-05	6.64E-05	5.17E-05	3.39E-05

411	563704.14	4234795.75	5.13E-04	4.58E-04	8.70E-05	7.33E-05	4.14E-04	3.36E-04	6.78E-05	6.51E-05	5.06E-05	3.32E-05
412	563706.52	4234810.71	5.03E-04	4.48E-04	8.53E-05	7.19E-05	4.06E-04	3.29E-04	6.65E-05	6.38E-05	4.96E-05	3.26E-05
413	563708.9	4234825.67	4.95E-04	4.42E-04	8.41E-05	7.08E-05	4.00E-04	3.24E-04	6.55E-05	6.29E-05	4.89E-05	3.21E-05
414	563711.27	4234840.63	4.91E-04	4.38E-04	8.34E-05	7.03E-05	3.97E-04	3.22E-04	6.50E-05	6.24E-05	4.85E-05	3.18E-05
415	563713.65	4234855.58	4.91E-04	4.38E-04	8.33E-05	7.02E-05	3.96E-04	3.21E-04	6.49E-05	6.23E-05	4.85E-05	3.18E-05
416	563716.03	4234870.54	4.93E-04	4.40E-04	8.36E-05	7.05E-05	3.98E-04	3.22E-04	6.52E-05	6.25E-05	4.87E-05	3.19E-05
417	563718.4	4234885.5	4.93E-04	4.40E-04	8.37E-05	7.05E-05	3.98E-04	3.23E-04	6.52E-05	6.26E-05	4.87E-05	3.20E-05
418	563720.78	4234900.46	4.91E-04	4.38E-04	8.34E-05	7.03E-05	3.97E-04	3.21E-04	6.50E-05	6.23E-05	4.85E-05	3.18E-05
419	563723.16	4234915.42	4.90E-04	4.37E-04	8.32E-05	7.01E-05	3.96E-04	3.21E-04	6.48E-05	6.22E-05	4.84E-05	3.18E-05
420	563725.53	4234930.38	4.91E-04	4.38E-04	8.33E-05	7.02E-05	3.96E-04	3.21E-04	6.49E-05	6.23E-05	4.85E-05	3.18E-05
421	563727.91	4234945.33	4.91E-04	4.38E-04	8.33E-05	7.02E-05	3.96E-04	3.21E-04	6.49E-05	6.23E-05	4.85E-05	3.18E-05
422	563730.29	4234960.29	4.90E-04	4.37E-04	8.31E-05	7.01E-05	3.96E-04	3.21E-04	6.48E-05	6.22E-05	4.84E-05	3.17E-05
423	563732.66	4234975.25	4.88E-04	4.35E-04	8.27E-05	6.97E-05	3.94E-04	3.19E-04	6.45E-05	6.19E-05	4.82E-05	3.16E-05
424	563735.04	4234990.21	4.84E-04	4.32E-04	8.21E-05	6.92E-05	3.91E-04	3.17E-04	6.40E-05	6.14E-05	4.78E-05	3.14E-05
425	563737.42	4235005.17	4.77E-04	4.25E-04	8.09E-05	6.82E-05	3.85E-04	3.12E-04	6.31E-05	6.05E-05	4.71E-05	3.09E-05
426	563739.79	4235020.13	4.66E-04	4.16E-04	7.91E-05	6.67E-05	3.77E-04	3.05E-04	6.17E-05	5.92E-05	4.61E-05	3.02E-05
427	563742.17	4235035.09	4.56E-04	4.07E-04	7.73E-05	6.52E-05	3.68E-04	2.98E-04	6.03E-05	5.78E-05	4.50E-05	2.95E-05
428	563739.58	4235049.13	4.53E-04	4.04E-04	7.69E-05	6.48E-05	3.66E-04	2.96E-04	5.99E-05	5.75E-05	4.47E-05	2.94E-05
429	563732.03	4235062.26	4.56E-04	4.07E-04	7.74E-05	6.52E-05	3.68E-04	2.98E-04	6.03E-05	5.79E-05	4.50E-05	2.95E-05
430	563724.48	4235075.39	4.57E-04	4.08E-04	7.76E-05	6.54E-05	3.69E-04	2.99E-04	6.05E-05	5.80E-05	4.51E-05	2.96E-05
431	563716.93	4235088.52	4.55E-04	4.06E-04	7.72E-05	6.51E-05	3.68E-04	2.98E-04	6.02E-05	5.78E-05	4.50E-05	2.95E-05
432	563709.38	4235101.65	4.53E-04	4.04E-04	7.69E-05	6.48E-05	3.66E-04	2.96E-04	5.99E-05	5.75E-05	4.47E-05	2.94E-05
433	563701.83	4235114.78	4.51E-04	4.03E-04	7.66E-05	6.46E-05	3.65E-04	2.95E-04	5.97E-05	5.73E-05	4.46E-05	2.93E-05
434	563694.28	4235127.91	4.54E-04	4.05E-04	7.70E-05	6.49E-05	3.66E-04	2.97E-04	6.00E-05	5.76E-05	4.48E-05	2.94E-05
435	563686.73	4235141.04	4.58E-04	4.09E-04	7.77E-05	6.55E-05	3.70E-04	3.00E-04	6.06E-05	5.81E-05	4.52E-05	2.97E-05
436	563679.18	4235154.17	4.65E-04	4.15E-04	7.90E-05	6.66E-05	3.76E-04	3.05E-04	6.15E-05	5.91E-05	4.60E-05	3.02E-05
437	563671.63	4235167.3	4.76E-04	4.24E-04	8.07E-05	6.80E-05	3.84E-04	3.11E-04	6.29E-05	6.03E-05	4.70E-05	3.08E-05
438	563648.98	4235206.69	5.07E-04	4.52E-04	8.60E-05	7.25E-05	4.09E-04	3.32E-04	6.70E-05	6.43E-05	5.00E-05	3.28E-05
439	563641.43	4235219.82	5.17E-04	4.61E-04	8.77E-05	7.39E-05	4.17E-04	3.38E-04	6.84E-05	6.56E-05	5.11E-05	3.35E-05
440	563633.88	4235232.95	5.26E-04	4.69E-04	8.92E-05	7.52E-05	4.25E-04	3.44E-04	6.95E-05	6.67E-05	5.19E-05	3.41E-05
441	563626.33	4235246.08	5.35E-04	4.77E-04	9.07E-05	7.65E-05	4.32E-04	3.50E-04	7.07E-05	6.78E-05	5.28E-05	3.46E-05
442	563618.78	4235259.21	5.42E-04	4.83E-04	9.19E-05	7.75E-05	4.38E-04	3.55E-04	7.17E-05	6.88E-05	5.35E-05	3.51E-05
443	563611.23	4235272.34	5.49E-04	4.90E-04	9.31E-05	7.85E-05	4.43E-04	3.59E-04	7.26E-05	6.96E-05	5.42E-05	3.56E-05
444	563603.68	4235285.47	5.57E-04	4.97E-04	9.46E-05	7.97E-05	4.50E-04	3.65E-04	7.37E-05	7.07E-05	5.50E-05	3.61E-05
445	563596.13	4235298.6	5.70E-04	5.08E-04	9.66E-05	8.15E-05	4.60E-04	3.73E-04	7.53E-05	7.23E-05	5.62E-05	3.69E-05
446	563588.58	4235311.73	5.82E-04	5.19E-04	9.87E-05	8.32E-05	4.70E-04	3.81E-04	7.69E-05	7.38E-05	5.75E-05	3.77E-05
447	563581.03	4235324.86	5.91E-04	5.27E-04	1.00E-04	8.45E-05	4.77E-04	3.87E-04	7.82E-05	7.50E-05	5.84E-05	3.83E-05
448	563687.43	4234706.78	5.89E-04	5.26E-04	1.00E-04	8.43E-05	4.76E-04	3.86E-04	7.79E-05	7.48E-05	5.82E-05	3.82E-05
449	563680.16	4234693.38	6.13E-04	5.47E-04	1.04E-04	8.77E-05	4.95E-04	4.01E-04	8.11E-05	7.78E-05	6.05E-05	3.97E-05
450	563727.4	4234701.8	5.17E-04	4.61E-04	8.77E-05	7.39E-05	4.17E-04	3.38E-04	6.83E-05	6.56E-05	5.10E-05	3.35E-05
451	563729.75	4234716.61	5.04E-04	4.50E-04	8.55E-05	7.21E-05	4.07E-04	3.30E-04	6.66E-05	6.39E-05	4.98E-05	3.27E-05
452	563732.11	4234731.42	4.91E-04	4.38E-04	8.34E-05	7.03E-05	3.97E-04	3.21E-04	6.50E-05	6.23E-05	4.85E-05	3.18E-05
453	563734.46	4234746.23	4.79E-04	4.27E-04	8.13E-05	6.85E-05	3.87E-04	3.13E-04	6.34E-05	6.08E-05	4.73E-05	3.10E-05
454	563736.81	4234761.04	4.68E-04	4.18E-04	7.95E-05	6.70E-05	3.78E-04	3.07E-04	6.19E-05	5.94E-05	4.63E-05	3.04E-05
455	563739.17	4234775.85	4.60E-04	4.10E-04	7.80E-05	6.58E-05	3.71E-04	3.01E-04	6.08E-05	5.84E-05	4.54E-05	2.98E-05
456	563741.52	4234790.65	4.51E-04	4.02E-04	7.65E-05	6.45E-05	3.64E-04	2.95E-04	5.96E-05	5.72E-05	4.45E-05	2.92E-05
457	563743.87	4234805.46	4.42E-04	3.94E-04	7.49E-05	6.31E-05	3.56E-04	2.89E-04	5.84E-05	5.60E-05	4.36E-05	2.86E-05
458	563746.23	4234820.27	4.35E-04	3.88E-04	7.38E-05	6.22E-05	3.51E-04	2.84E-04	5.75E-05	5.52E-05	4.29E-05	2.82E-05
459	563748.58	4234835.08	4.31E-04	3.84E-04	7.31E-05	6.16E-05	3.48E-04	2.82E-04	5.70E-05	5.47E-05	4.26E-05	2.79E-05
460	563756.54	4235095.31	4.04E-04	3.61E-04	6.86E-05	5.78E-05	3.26E-04	2.65E-04	5.35E-05	5.13E-05	3.99E-05	2.62E-05
461	563749.06	4235108.3	4.03E-04	3.60E-04	6.84E-05	5.77E-05	3.26E-04	2.64E-04	5.33E-05	5.12E-05	3.98E-05	2.61E-05
462	563741.59	4235121.3	4.04E-04	3.60E-04	6.85E-05	5.77E-05	3.26E-04	2.64E-04	5.34E-05	5.12E-05	3.99E-05	2.62E-05
463	563734.11	4235134.3	4.04E-04	3.61E-04	6.86E-05	5.78E-05	3.26E-04	2.64E-04	5.34E-05	5.13E-05	3.99E-05	2.62E-05
464	563726.64	4235147.3	4.05E-04	3.61E-04	6.87E-05	5.79E-05	3.27E-04	2.65E-04	5.35E-05	5.14E-05	4.00E-05	2.62E-05
465	563719.16	4235160.3	4.09E-04	3.65E-04	6.94E-05	5.85E-05	3.30E-04	2.68E-04	5.41E-05	5.19E-05	4.04E-05	2.65E-05
466	563711.69	4235173.3	4.16E-04	3.71E-04	7.06E-05	5.95E-05	3.36E-04	2.72E-04	5.50E-05	5.28E-05	4.11E-05	2.70E-05
467	563704.22	4235186.3	4.25E-04	3.79E-04	7.21E-05	6.08E-05	3.43E-04	2.78E-04	5.62E-05	5.39E-05	4.20E-05	2.75E-05
468	563689.27	4235212.3	4.40E-04	3.93E-04	7.47E-05	6.30E-05	3.56E-04	2.88E-04	5.82E-05	5.59E-05	4.35E-05	2.85E-05
469	563681.79	4235225.29	4.50E-04	4.02E-04	7.64E-05	6.44E-05	3.63E-04	2.95E-04	5.95E-05	5.71E-05	4.45E-05	2.92E-05
470	563674.32	4235238.29	4.60E-04	4.10E-04	7.81E-05	6.58E-05	3.72E-04	3.01E-04	6.09E-05	5.84E-05	4.54E-05	2.98E-05
471	563666.84	4235251.29	4.70E-04	4.19E-04	7.98E-05	6.72E-05	3.80E-04	3.08E-04	6.22E-05	5.96E-05	4.64E-05	3.05E-05
472	563659.37	4235264.29	4.79E-04	4.28E-04	8.13E-05	6.85E-05	3.87E-04	3.14E-04	6.34E-05	6.08E-05	4.73E-05	3.11E-05
473	563651.89	4235277.29	4.88E-04	4.35E-04	8.27E-05	6.97E-05	3.94E-04	3.19E-04	6.45E-05	6.19E-05	4.82E-05	3.16E-05
474	563644.42	4235290.29	4.95E-04	4.42E-04	8.41E-05	7.08E-05	4.00E-04	3.24E-04	6.55E-05	6.29E-05	4.89E-05	3.21E-05
475	563636.94	4235303.29	5.03E-04	4.49E-04	8.54E-05	7.20E-05	4.06E-04	3.29E-04	6.66E-05	6.39E-05	4.97E-05	3.26E-05
476	563629.47	4235316.29	5.12E-04	4.57E-04	8.69E-05	7.32E-05	4.13E-04	3.35E-04	6.77E-05	6.50E-05	5.06E-05	3.32E-05
477	563622	4235329.29	5.20E-04	4.64E-04	8.83E-05	7.44E-05	4.20E-04	3.41E-04	6.88E-05	6.60E-05	5.14E-05	3.37E-05
478	563614.52	4235342.28	5.27E-04	4.70E-04	8.95E-05	7.54E-05	4.26E-04	3.45E-04	6.97E-05	6.69E-05	5.21E-05	3.42E-05
479	563607.05	4235355.28	5.32E-04	4.75E-04	9.03E-05	7.61E-05	4.30E-04	3.48E-04	7.04E-05	6.75E-05	5.25E-05	3.45E-05

480	563722.59	4234687.7	5.32E-04	4.75E-04	9.03E-05	7.61E-05	4.30E-04	3.48E-04	7.04E-05	6.76E-05	5.26E-05	3.45E-05
481	563807.76	4234967.23	3.96E-04	3.53E-04	6.72E-05	5.66E-05	3.20E-04	2.59E-04	5.23E-05	5.02E-05	3.91E-05	2.57E-05
482	563810.14	4234982.2	3.95E-04	3.53E-04	6.71E-05	5.65E-05	3.19E-04	2.59E-04	5.23E-05	5.01E-05	3.90E-05	2.56E-05
483	563812.52	4234997.17	3.93E-04	3.51E-04	6.67E-05	5.62E-05	3.17E-04	2.57E-04	5.20E-05	4.99E-05	3.88E-05	2.55E-05
484	563814.9	4235012.14	3.90E-04	3.48E-04	6.61E-05	5.57E-05	3.15E-04	2.55E-04	5.15E-05	4.94E-05	3.85E-05	2.52E-05
485	563817.28	4235027.11	3.85E-04	3.43E-04	6.53E-05	5.50E-05	3.11E-04	2.52E-04	5.09E-05	4.88E-05	3.80E-05	2.49E-05
486	563819.66	4235042.08	3.78E-04	3.38E-04	6.42E-05	5.41E-05	3.06E-04	2.48E-04	5.00E-05	4.80E-05	3.74E-05	2.45E-05
487	563818.26	4235063.62	3.73E-04	3.33E-04	6.33E-05	5.34E-05	3.01E-04	2.44E-04	4.93E-05	4.73E-05	3.68E-05	2.42E-05
488	563810.7	4235076.77	3.74E-04	3.34E-04	6.35E-05	5.35E-05	3.02E-04	2.45E-04	4.95E-05	4.75E-05	3.70E-05	2.43E-05
489	563757.81	4235168.75	3.67E-04	3.28E-04	6.24E-05	5.26E-05	2.97E-04	2.40E-04	4.86E-05	4.66E-05	3.63E-05	2.38E-05
490	563750.25	4235181.89	3.71E-04	3.31E-04	6.30E-05	5.31E-05	3.00E-04	2.43E-04	4.91E-05	4.71E-05	3.67E-05	2.41E-05
491	563742.7	4235195.03	3.77E-04	3.36E-04	6.39E-05	5.39E-05	3.04E-04	2.47E-04	4.98E-05	4.78E-05	3.72E-05	2.44E-05
492	563735.14	4235208.17	3.84E-04	3.42E-04	6.51E-05	5.49E-05	3.10E-04	2.51E-04	5.07E-05	4.87E-05	3.79E-05	2.49E-05
493	563720.03	4235234.45	3.97E-04	3.54E-04	6.74E-05	5.68E-05	3.21E-04	2.60E-04	5.25E-05	5.04E-05	3.92E-05	2.57E-05
494	563712.48	4235247.59	4.05E-04	3.62E-04	6.88E-05	5.80E-05	3.27E-04	2.65E-04	5.36E-05	5.14E-05	4.00E-05	2.63E-05
495	563704.92	4235260.73	4.14E-04	3.69E-04	7.03E-05	5.92E-05	3.34E-04	2.71E-04	5.48E-05	5.25E-05	4.09E-05	2.68E-05
496	563697.36	4235273.87	4.23E-04	3.77E-04	7.17E-05	6.05E-05	3.41E-04	2.77E-04	5.59E-05	5.36E-05	4.18E-05	2.74E-05
497	563689.81	4235287.01	4.31E-04	3.85E-04	7.32E-05	6.17E-05	3.48E-04	2.82E-04	5.70E-05	5.47E-05	4.26E-05	2.80E-05
498	563682.25	4235300.15	4.40E-04	3.92E-04	7.46E-05	6.29E-05	3.55E-04	2.88E-04	5.81E-05	5.58E-05	4.34E-05	2.85E-05
499	563674.7	4235313.29	4.48E-04	3.99E-04	7.59E-05	6.40E-05	3.61E-04	2.93E-04	5.92E-05	5.68E-05	4.42E-05	2.90E-05
500	563667.14	4235326.43	4.55E-04	4.06E-04	7.72E-05	6.51E-05	3.67E-04	2.98E-04	6.02E-05	5.77E-05	4.49E-05	2.95E-05
501	563659.58	4235339.57	4.63E-04	4.13E-04	7.86E-05	6.62E-05	3.74E-04	3.03E-04	6.13E-05	5.88E-05	4.57E-05	3.00E-05
502	563652.03	4235352.72	4.70E-04	4.19E-04	7.97E-05	6.72E-05	3.79E-04	3.07E-04	6.21E-05	5.96E-05	4.64E-05	3.05E-05
503	563644.47	4235365.86	4.75E-04	4.24E-04	8.06E-05	6.79E-05	3.84E-04	3.11E-04	6.28E-05	6.03E-05	4.69E-05	3.08E-05
504	563636.92	4235379	4.79E-04	4.27E-04	8.12E-05	6.84E-05	3.86E-04	3.13E-04	6.33E-05	6.07E-05	4.73E-05	3.10E-05
505	563804.79	4234708.17	4.17E-04	3.72E-04	7.07E-05	5.96E-05	3.37E-04	2.73E-04	5.51E-05	5.29E-05	4.12E-05	2.70E-05
506	563807.15	4234723.01	4.07E-04	3.63E-04	6.90E-05	5.82E-05	3.28E-04	2.66E-04	5.38E-05	5.16E-05	4.02E-05	2.64E-05
507	563809.5	4234737.85	3.96E-04	3.53E-04	6.71E-05	5.66E-05	3.19E-04	2.59E-04	5.23E-05	5.02E-05	3.91E-05	2.56E-05
508	563811.86	4234752.69	3.85E-04	3.43E-04	6.52E-05	5.50E-05	3.10E-04	2.52E-04	5.09E-05	4.88E-05	3.80E-05	2.49E-05
509	563814.22	4234767.52	3.71E-04	3.31E-04	6.30E-05	5.31E-05	3.00E-04	2.43E-04	4.91E-05	4.71E-05	3.67E-05	2.41E-05
510	563816.58	4234782.36	3.58E-04	3.19E-04	6.07E-05	5.12E-05	2.89E-04	2.34E-04	4.73E-05	4.54E-05	3.54E-05	2.32E-05
511	563818.93	4234797.2	3.49E-04	3.11E-04	5.91E-05	4.98E-05	2.81E-04	2.28E-04	4.61E-05	4.42E-05	3.44E-05	2.26E-05
512	563821.29	4234812.04	3.42E-04	3.05E-04	5.80E-05	4.89E-05	2.76E-04	2.24E-04	4.52E-05	4.34E-05	3.37E-05	2.21E-05
513	563823.65	4234826.88	3.36E-04	2.99E-04	5.69E-05	4.80E-05	2.71E-04	2.20E-04	4.44E-05	4.26E-05	3.31E-05	2.17E-05
514	563826.01	4234841.72	3.30E-04	2.94E-04	5.60E-05	4.72E-05	2.66E-04	2.16E-04	4.36E-05	4.19E-05	3.26E-05	2.14E-05
515	563828.37	4234856.56	3.27E-04	2.92E-04	5.55E-05	4.68E-05	2.64E-04	2.14E-04	4.33E-05	4.15E-05	3.23E-05	2.12E-05
516	563830.72	4234871.4	3.27E-04	2.92E-04	5.55E-05	4.67E-05	2.64E-04	2.14E-04	4.32E-05	4.15E-05	3.23E-05	2.12E-05
517	563833.08	4234886.23	2.97E-04	2.65E-04	5.05E-05	4.25E-05	2.40E-04	1.95E-04	3.93E-05	3.77E-05	2.94E-05	1.93E-05
518	563835.44	4234901.07	2.98E-04	2.66E-04	5.06E-05	4.27E-05	2.41E-04	1.95E-04	3.95E-05	3.79E-05	2.95E-05	1.93E-05
519	563837.8	4234915.91	3.01E-04	2.68E-04	5.10E-05	4.30E-05	2.43E-04	1.97E-04	3.97E-05	3.81E-05	2.97E-05	1.95E-05
520	563840.15	4234930.75	3.03E-04	2.70E-04	5.14E-05	4.33E-05	2.45E-04	1.98E-04	4.00E-05	3.84E-05	2.99E-05	1.96E-05
521	563842.51	4234945.59	3.05E-04	2.72E-04	5.17E-05	4.36E-05	2.46E-04	2.00E-04	4.03E-05	3.87E-05	3.01E-05	1.98E-05
522	563844.87	4234960.43	3.07E-04	2.74E-04	5.21E-05	4.39E-05	2.48E-04	2.01E-04	4.06E-05	3.90E-05	3.03E-05	1.99E-05
523	563847.23	4234975.27	3.09E-04	2.76E-04	5.24E-05	4.42E-05	2.49E-04	2.02E-04	4.09E-05	3.92E-05	3.05E-05	2.00E-05
524	563849.59	4234990.11	3.08E-04	2.74E-04	5.22E-05	4.40E-05	2.48E-04	2.01E-04	4.07E-05	3.90E-05	3.04E-05	1.99E-05
525	563851.94	4235004.94	3.05E-04	2.72E-04	5.18E-05	4.37E-05	2.47E-04	2.00E-04	4.04E-05	3.87E-05	3.02E-05	1.98E-05
526	563854.3	4235019.78	3.04E-04	2.71E-04	5.15E-05	4.34E-05	2.45E-04	1.99E-04	4.01E-05	3.85E-05	3.00E-05	1.97E-05
527	563856.66	4235034.62	3.01E-04	2.68E-04	5.10E-05	4.30E-05	2.43E-04	1.97E-04	3.98E-05	3.82E-05	2.97E-05	1.95E-05
528	563859.02	4235049.46	2.97E-04	2.65E-04	5.04E-05	4.25E-05	2.40E-04	1.94E-04	3.93E-05	3.77E-05	2.93E-05	1.93E-05
529	563857.63	4235070.81	2.97E-04	2.65E-04	5.04E-05	4.25E-05	2.40E-04	1.94E-04	3.93E-05	3.77E-05	2.93E-05	1.92E-05
530	563850.14	4235083.84	3.04E-04	2.71E-04	5.16E-05	4.35E-05	2.46E-04	1.99E-04	4.02E-05	3.86E-05	3.00E-05	1.97E-05
531	563842.65	4235096.86	3.16E-04	2.82E-04	5.37E-05	4.52E-05	2.55E-04	2.07E-04	4.18E-05	4.01E-05	3.12E-05	2.05E-05
532	563835.16	4235109.89	3.40E-04	3.04E-04	5.78E-05	4.87E-05	2.75E-04	2.23E-04	4.50E-05	4.32E-05	3.36E-05	2.21E-05
533	563827.67	4235122.91	3.40E-04	3.04E-04	5.77E-05	4.87E-05	2.75E-04	2.23E-04	4.50E-05	4.32E-05	3.36E-05	2.21E-05
534	563820.18	4235135.94	3.40E-04	3.03E-04	5.76E-05	4.86E-05	2.74E-04	2.22E-04	4.49E-05	4.31E-05	3.35E-05	2.20E-05
535	563812.69	4235148.96	3.37E-04	3.01E-04	5.73E-05	4.83E-05	2.72E-04	2.21E-04	4.46E-05	4.28E-05	3.33E-05	2.19E-05
536	563752.78	4235253.16	3.59E-04	3.21E-04	6.10E-05	5.14E-05	2.90E-04	2.35E-04	4.75E-05	4.56E-05	3.55E-05	2.33E-05
537	563745.29	4235266.19	3.67E-04	3.27E-04	6.22E-05	5.24E-05	2.96E-04	2.40E-04	4.85E-05	4.65E-05	3.62E-05	2.38E-05
538	563737.8	4235279.21	3.74E-04	3.34E-04	6.34E-05	5.35E-05	3.02E-04	2.45E-04	4.94E-05	4.74E-05	3.69E-05	2.42E-05
539	563730.31	4235292.24	3.81E-04	3.40E-04	6.46E-05	5.45E-05	3.08E-04	2.49E-04	5.04E-05	4.83E-05	3.76E-05	2.47E-05
540	563722.82	4235305.26	3.88E-04	3.47E-04	6.59E-05	5.56E-05	3.14E-04	2.54E-04	5.14E-05	4.93E-05	3.84E-05	2.52E-05
541	563715.33	4235318.29	3.96E-04	3.54E-04	6.72E-05	5.67E-05	3.20E-04	2.59E-04	5.24E-05	5.03E-05	3.91E-05	2.57E-05
542	563707.84	4235331.32	4.03E-04	3.60E-04	6.84E-05	5.77E-05	3.26E-04	2.64E-04	5.33E-05	5.12E-05	3.98E-05	2.61E-05
543	563700.35	4235344.34	4.10E-04	3.66E-04	6.96E-05	5.87E-05	3.31E-04	2.69E-04	5.43E-05	5.21E-05	4.05E-05	2.66E-05
544	563692.86	4235357.37	4.17E-04	3.72E-04	7.07E-05	5.96E-05	3.37E-04	2.73E-04	5.51E-05	5.29E-05	4.12E-05	2.70E-05
545	563685.37	4235370.39	4.22E-04	3.77E-04	7.17E-05	6.04E-05	3.41E-04	2.76E-04	5.59E-05	5.36E-05	4.17E-05	2.74E-05
546	563677.88	4235383.42	4.28E-04	3.82E-04	7.26E-05	6.12E-05	3.45E-04	2.80E-04	5.66E-05	5.43E-05	4.22E-05	2.77E-05
547	563670.39	4235396.44	4.32E-04	3.85E-04	7.32E-05	6.17E-05	3.48E-04	2.82E-04	5.71E-05	5.48E-05	4.26E-05	2.80E-05
548	563662.9	4235409.47	4.34E-04	3.87E-04	7.37E-05	6.21E-05	3.51E-04	2.84E-04	5.74E-05	5.51E-05	4.29E-05	2.81E-05

549	563844.78	4234719.54	3.72E-04	3.32E-04	6.32E-05	5.33E-05	3.01E-04	2.44E-04	4.92E-05	4.73E-05	3.68E-05	2.41E-05
550	563847.16	4234734.52	3.62E-04	3.23E-04	6.15E-05	5.18E-05	2.93E-04	2.37E-04	4.79E-05	4.60E-05	3.58E-05	2.35E-05
551	563849.54	4234749.49	3.51E-04	3.13E-04	5.96E-05	5.02E-05	2.83E-04	2.30E-04	4.64E-05	4.45E-05	3.47E-05	2.28E-05
552	563851.92	4234764.47	3.39E-04	3.02E-04	5.75E-05	4.85E-05	2.74E-04	2.22E-04	4.48E-05	4.30E-05	3.35E-05	2.20E-05
553	563854.3	4234779.45	3.27E-04	2.91E-04	5.54E-05	4.67E-05	2.64E-04	2.14E-04	4.32E-05	4.14E-05	3.23E-05	2.12E-05
554	563856.68	4234794.43	3.16E-04	2.82E-04	5.36E-05	4.52E-05	2.55E-04	2.07E-04	4.18E-05	4.01E-05	3.12E-05	2.05E-05
555	563859.06	4234809.41	3.07E-04	2.74E-04	5.21E-05	4.39E-05	2.48E-04	2.01E-04	4.06E-05	3.89E-05	3.03E-05	1.99E-05
556	563861.44	4234824.39	2.76E-04	2.46E-04	4.68E-05	3.94E-05	2.23E-04	1.80E-04	3.65E-05	3.50E-05	2.72E-05	1.79E-05
557	563863.82	4234839.37	2.67E-04	2.38E-04	4.53E-05	3.82E-05	2.16E-04	1.75E-04	3.53E-05	3.39E-05	2.64E-05	1.73E-05
558	563866.2	4234854.35	2.63E-04	2.34E-04	4.46E-05	3.76E-05	2.12E-04	1.72E-04	3.48E-05	3.33E-05	2.60E-05	1.70E-05
559	563868.58	4234869.33	2.61E-04	2.33E-04	4.44E-05	3.74E-05	2.11E-04	1.71E-04	3.46E-05	3.32E-05	2.58E-05	1.69E-05
560	563870.96	4234884.31	2.57E-04	2.30E-04	4.37E-05	3.68E-05	2.08E-04	1.68E-04	3.40E-05	3.27E-05	2.54E-05	1.67E-05
561	563873.34	4234899.29	2.49E-04	2.22E-04	4.23E-05	3.57E-05	2.01E-04	1.63E-04	3.30E-05	3.16E-05	2.46E-05	1.62E-05
562	563875.72	4234914.26	2.47E-04	2.20E-04	4.19E-05	3.53E-05	2.00E-04	1.62E-04	3.27E-05	3.14E-05	2.44E-05	1.60E-05
563	563878.1	4234929.24	2.50E-04	2.23E-04	4.25E-05	3.58E-05	2.02E-04	1.64E-04	3.31E-05	3.18E-05	2.47E-05	1.62E-05
564	563880.48	4234944.22	2.59E-04	2.31E-04	4.39E-05	3.70E-05	2.09E-04	1.69E-04	3.42E-05	3.28E-05	2.55E-05	1.68E-05
565	563882.86	4234959.2	2.70E-04	2.41E-04	4.58E-05	3.86E-05	2.18E-04	1.77E-04	3.57E-05	3.42E-05	2.66E-05	1.75E-05
566	563885.24	4234974.18	2.71E-04	2.42E-04	4.60E-05	3.88E-05	2.19E-04	1.78E-04	3.59E-05	3.44E-05	2.68E-05	1.76E-05
567	563887.62	4234989.16	2.66E-04	2.38E-04	4.52E-05	3.81E-05	2.15E-04	1.74E-04	3.52E-05	3.38E-05	2.63E-05	1.73E-05
568	563890	4235004.14	2.65E-04	2.36E-04	4.50E-05	3.79E-05	2.14E-04	1.73E-04	3.51E-05	3.36E-05	2.62E-05	1.72E-05
569	563892.38	4235019.12	2.66E-04	2.37E-04	4.51E-05	3.81E-05	2.15E-04	1.74E-04	3.52E-05	3.38E-05	2.63E-05	1.72E-05
570	563894.76	4235034.1	2.66E-04	2.38E-04	4.52E-05	3.81E-05	2.15E-04	1.74E-04	3.52E-05	3.38E-05	2.63E-05	1.73E-05
571	563897.14	4235049.08	2.66E-04	2.37E-04	4.51E-05	3.80E-05	2.15E-04	1.74E-04	3.52E-05	3.37E-05	2.63E-05	1.72E-05
572	563899.52	4235064.06	2.65E-04	2.36E-04	4.49E-05	3.78E-05	2.14E-04	1.73E-04	3.50E-05	3.36E-05	2.61E-05	1.72E-05
573	563896.93	4235078.12	2.65E-04	2.36E-04	4.50E-05	3.79E-05	2.14E-04	1.73E-04	3.50E-05	3.36E-05	2.62E-05	1.72E-05
574	563889.37	4235091.27	2.69E-04	2.40E-04	4.56E-05	3.84E-05	2.17E-04	1.76E-04	3.55E-05	3.41E-05	2.65E-05	1.74E-05
575	563881.81	4235104.42	2.77E-04	2.47E-04	4.70E-05	3.96E-05	2.24E-04	1.81E-04	3.66E-05	3.51E-05	2.74E-05	1.80E-05
576	563874.25	4235117.56	2.87E-04	2.56E-04	4.87E-05	4.11E-05	2.32E-04	1.88E-04	3.80E-05	3.64E-05	2.84E-05	1.86E-05
577	563866.69	4235130.71	3.12E-04	2.78E-04	5.29E-05	4.46E-05	2.52E-04	2.04E-04	4.13E-05	3.96E-05	3.08E-05	2.02E-05
578	563859.13	4235143.86	3.12E-04	2.79E-04	5.30E-05	4.47E-05	2.52E-04	2.04E-04	4.13E-05	3.96E-05	3.08E-05	2.02E-05
579	563851.57	4235157.01	3.13E-04	2.79E-04	5.31E-05	4.47E-05	2.52E-04	2.05E-04	4.14E-05	3.97E-05	3.09E-05	2.03E-05
580	563844.01	4235170.16	3.11E-04	2.77E-04	5.28E-05	4.45E-05	2.51E-04	2.03E-04	4.11E-05	3.95E-05	3.07E-05	2.02E-05
581	563836.45	4235183.31	3.08E-04	2.75E-04	5.22E-05	4.40E-05	2.49E-04	2.01E-04	4.07E-05	3.91E-05	3.04E-05	2.00E-05
582	563828.89	4235196.45	3.06E-04	2.73E-04	5.19E-05	4.38E-05	2.47E-04	2.00E-04	4.05E-05	3.88E-05	3.02E-05	1.98E-05
583	563760.84	4235314.79	3.47E-04	3.10E-04	5.89E-05	4.97E-05	2.80E-04	2.27E-04	4.59E-05	4.41E-05	3.43E-05	2.25E-05
584	563753.28	4235327.94	3.54E-04	3.16E-04	6.01E-05	5.06E-05	2.86E-04	2.32E-04	4.68E-05	4.49E-05	3.50E-05	2.29E-05
585	563745.72	4235341.08	3.61E-04	3.22E-04	6.12E-05	5.16E-05	2.91E-04	2.36E-04	4.77E-05	4.58E-05	3.56E-05	2.34E-05
586	563738.16	4235354.23	3.67E-04	3.27E-04	6.23E-05	5.25E-05	2.96E-04	2.40E-04	4.85E-05	4.66E-05	3.62E-05	2.38E-05
587	563730.6	4235367.38	3.73E-04	3.33E-04	6.33E-05	5.34E-05	3.01E-04	2.44E-04	4.94E-05	4.74E-05	3.69E-05	2.42E-05
588	563723.04	4235380.53	3.78E-04	3.37E-04	6.42E-05	5.41E-05	3.05E-04	2.47E-04	5.00E-05	4.80E-05	3.73E-05	2.45E-05
589	563715.48	4235393.68	3.82E-04	3.41E-04	6.48E-05	5.46E-05	3.08E-04	2.50E-04	5.05E-05	4.85E-05	3.77E-05	2.48E-05
590	563707.92	4235406.83	3.85E-04	3.43E-04	6.53E-05	5.51E-05	3.11E-04	2.52E-04	5.09E-05	4.89E-05	3.80E-05	2.50E-05
591	563700.36	4235419.97	3.88E-04	3.46E-04	6.58E-05	5.55E-05	3.13E-04	2.54E-04	5.13E-05	4.92E-05	3.83E-05	2.52E-05
592	563692.8	4235433.12	3.92E-04	3.50E-04	6.66E-05	5.61E-05	3.17E-04	2.57E-04	5.19E-05	4.98E-05	3.88E-05	2.54E-05
593	563685.24	4235446.27	3.97E-04	3.54E-04	6.73E-05	5.67E-05	3.20E-04	2.60E-04	5.25E-05	5.03E-05	3.92E-05	2.57E-05
594	563886.92	4234744.4	3.19E-04	2.84E-04	5.41E-05	4.56E-05	2.57E-04	2.09E-04	4.22E-05	4.05E-05	3.15E-05	2.07E-05
595	563889.28	4234759.26	3.06E-04	2.73E-04	5.19E-05	4.38E-05	2.47E-04	2.00E-04	4.05E-05	3.88E-05	3.02E-05	1.98E-05
596	563891.64	4234774.12	2.96E-04	2.64E-04	5.03E-05	4.24E-05	2.39E-04	1.94E-04	3.92E-05	3.76E-05	2.93E-05	1.92E-05
597	563894	4234788.98	2.69E-04	2.40E-04	4.56E-05	3.85E-05	2.17E-04	1.76E-04	3.56E-05	3.41E-05	2.66E-05	1.74E-05
598	563896.36	4234803.84	2.54E-04	2.26E-04	4.31E-05	3.63E-05	2.05E-04	1.66E-04	3.36E-05	3.22E-05	2.51E-05	1.64E-05
599	563898.73	4234818.71	2.40E-04	2.14E-04	4.08E-05	3.44E-05	1.94E-04	1.57E-04	3.18E-05	3.05E-05	2.37E-05	1.56E-05
600	563901.09	4234833.57	2.33E-04	2.08E-04	3.95E-05	3.33E-05	1.88E-04	1.53E-04	3.08E-05	2.96E-05	2.30E-05	1.51E-05
601	563903.45	4234848.43	2.27E-04	2.03E-04	3.86E-05	3.25E-05	1.83E-04	1.49E-04	3.01E-05	2.88E-05	2.24E-05	1.47E-05
602	563905.81	4234863.29	2.24E-04	2.00E-04	3.80E-05	3.20E-05	1.81E-04	1.47E-04	2.96E-05	2.84E-05	2.21E-05	1.45E-05
603	563908.17	4234878.15	2.23E-04	1.99E-04	3.78E-05	3.18E-05	1.80E-04	1.46E-04	2.94E-05	2.82E-05	2.20E-05	1.44E-05
604	563910.53	4234893.02	2.23E-04	1.99E-04	3.78E-05	3.19E-05	1.80E-04	1.46E-04	2.95E-05	2.83E-05	2.20E-05	1.44E-05
605	563912.89	4234907.88	2.24E-04	2.00E-04	3.81E-05	3.21E-05	1.81E-04	1.47E-04	2.97E-05	2.85E-05	2.22E-05	1.45E-05
606	563915.26	4234922.74	2.27E-04	2.02E-04	3.85E-05	3.25E-05	1.83E-04	1.49E-04	3.00E-05	2.88E-05	2.24E-05	1.47E-05
607	563917.62	4234937.6	2.30E-04	2.06E-04	3.91E-05	3.30E-05	1.86E-04	1.51E-04	3.05E-05	2.92E-05	2.28E-05	1.49E-05
608	563919.98	4234952.46	2.34E-04	2.09E-04	3.97E-05	3.35E-05	1.89E-04	1.53E-04	3.10E-05	2.97E-05	2.31E-05	1.52E-05
609	563922.34	4234967.33	2.38E-04	2.12E-04	4.04E-05	3.40E-05	1.92E-04	1.56E-04	3.15E-05	3.02E-05	2.35E-05	1.54E-05
610	563924.7	4234982.19	2.42E-04	2.16E-04	4.10E-05	3.46E-05	1.95E-04	1.58E-04	3.19E-05	3.07E-05	2.39E-05	1.57E-05
611	563927.06	4234997.05	2.45E-04	2.18E-04	4.15E-05	3.50E-05	1.97E-04	1.60E-04	3.23E-05	3.10E-05	2.41E-05	1.58E-05
612	563929.42	4235011.91	2.47E-04	2.20E-04	4.19E-05	3.53E-05	1.99E-04	1.61E-04	3.26E-05	3.13E-05	2.44E-05	1.60E-05
613	563931.79	4235026.77	2.48E-04	2.21E-04	4.20E-05	3.54E-05	2.00E-04	1.62E-04	3.28E-05	3.14E-05	2.45E-05	1.61E-05
614	563934.15	4235041.64	2.37E-04	2.12E-04	4.03E-05	3.39E-05	1.92E-04	1.55E-04	3.14E-05	3.01E-05	2.34E-05	1.54E-05
615	563936.51	4235056.5	2.28E-04	2.03E-04	3.86E-05	3.26E-05	1.84E-04	1.49E-04	3.01E-05	2.89E-05	2.25E-05	1.48E-05
616	563938.87	4235071.36	2.35E-04	2.10E-04	3.99E-05	3.37E-05	1.90E-04	1.54E-04	3.11E-05	2.99E-05	2.33E-05	1.53E-05
617	563936.3	4235085.31	2.46E-04	2.19E-04	4.17E-05	3.51E-05	1.98E-04	1.61E-04	3.25E-05	3.12E-05	2.42E-05	1.59E-05

618	563928.8	4235098.36	2.49E-04	2.22E-04	4.23E-05	3.57E-05	2.01E-04	1.63E-04	3.30E-05	3.16E-05	2.46E-05	1.62E-05
619	563921.3	4235111.4	2.46E-04	2.20E-04	4.18E-05	3.52E-05	1.99E-04	1.61E-04	3.26E-05	3.12E-05	2.43E-05	1.60E-05
620	563913.8	4235124.45	2.51E-04	2.24E-04	4.25E-05	3.58E-05	2.02E-04	1.64E-04	3.31E-05	3.18E-05	2.48E-05	1.62E-05
621	563906.3	4235137.49	2.59E-04	2.31E-04	4.39E-05	3.70E-05	2.09E-04	1.69E-04	3.42E-05	3.28E-05	2.55E-05	1.68E-05
622	563898.79	4235150.54	2.67E-04	2.38E-04	4.53E-05	3.82E-05	2.16E-04	1.75E-04	3.53E-05	3.39E-05	2.64E-05	1.73E-05
623	563891.29	4235163.59	2.86E-04	2.55E-04	4.86E-05	4.09E-05	2.31E-04	1.87E-04	3.79E-05	3.63E-05	2.83E-05	1.86E-05
624	563883.79	4235176.63	2.88E-04	2.57E-04	4.89E-05	4.12E-05	2.32E-04	1.88E-04	3.81E-05	3.65E-05	2.84E-05	1.87E-05
625	563876.29	4235189.68	2.87E-04	2.56E-04	4.87E-05	4.10E-05	2.32E-04	1.88E-04	3.79E-05	3.64E-05	2.83E-05	1.86E-05
626	563868.79	4235202.72	2.85E-04	2.54E-04	4.83E-05	4.07E-05	2.30E-04	1.86E-04	3.76E-05	3.61E-05	2.81E-05	1.84E-05
627	563861.29	4235215.77	2.83E-04	2.52E-04	4.80E-05	4.05E-05	2.28E-04	1.85E-04	3.74E-05	3.59E-05	2.79E-05	1.83E-05
628	563853.79	4235228.81	2.83E-04	2.52E-04	4.80E-05	4.04E-05	2.28E-04	1.85E-04	3.74E-05	3.59E-05	2.79E-05	1.83E-05
629	563763.77	4235385.36	3.35E-04	2.99E-04	5.68E-05	4.79E-05	2.70E-04	2.19E-04	4.43E-05	4.25E-05	3.31E-05	2.17E-05
630	563756.27	4235398.4	3.40E-04	3.03E-04	5.76E-05	4.86E-05	2.74E-04	2.22E-04	4.49E-05	4.31E-05	3.36E-05	2.20E-05
631	563748.77	4235411.45	3.44E-04	3.07E-04	5.84E-05	4.92E-05	2.78E-04	2.25E-04	4.55E-05	4.37E-05	3.40E-05	2.23E-05
632	563741.27	4235424.5	3.49E-04	3.11E-04	5.92E-05	4.99E-05	2.82E-04	2.28E-04	4.61E-05	4.42E-05	3.44E-05	2.26E-05
633	563733.76	4235437.54	3.53E-04	3.15E-04	6.00E-05	5.05E-05	2.85E-04	2.31E-04	4.67E-05	4.48E-05	3.49E-05	2.29E-05
634	563726.26	4235450.59	3.58E-04	3.19E-04	6.07E-05	5.12E-05	2.89E-04	2.34E-04	4.73E-05	4.54E-05	3.53E-05	2.32E-05
635	563718.76	4235463.63	3.61E-04	3.22E-04	6.13E-05	5.17E-05	2.92E-04	2.37E-04	4.78E-05	4.59E-05	3.57E-05	2.34E-05
636	563711.26	4235476.68	3.65E-04	3.25E-04	6.19E-05	5.22E-05	2.94E-04	2.39E-04	4.82E-05	4.63E-05	3.60E-05	2.36E-05
637	563264.35	4234908.12	9.69E-03	8.64E-03	1.64E-03	1.39E-03	7.82E-03	6.34E-03	1.28E-03	1.23E-03	9.57E-04	6.28E-04
638	563600.71	4234810.21	7.52E-04	6.71E-04	1.28E-04	1.08E-04	6.07E-04	4.92E-04	9.95E-05	9.54E-05	7.43E-05	4.87E-05
639	563638.6	4234797.4	6.51E-04	5.81E-04	1.10E-04	9.31E-05	5.26E-04	4.26E-04	8.61E-05	8.26E-05	6.43E-05	4.22E-05
640	563633.81	4234783.23	6.67E-04	5.95E-04	1.13E-04	9.54E-05	5.39E-04	4.37E-04	8.82E-05	8.47E-05	6.59E-05	4.32E-05
641	563676.5	4234784.59	5.71E-04	5.09E-04	9.69E-05	8.17E-05	4.61E-04	3.74E-04	7.55E-05	7.25E-05	5.64E-05	3.70E-05
642	563671.71	4234770.42	5.86E-04	5.23E-04	9.94E-05	8.38E-05	4.73E-04	3.83E-04	7.75E-05	7.43E-05	5.79E-05	3.80E-05
643	563714.39	4234771.78	5.02E-04	4.48E-04	8.52E-05	7.18E-05	4.06E-04	3.29E-04	6.64E-05	6.37E-05	4.96E-05	3.25E-05
644	563709.6	4234757.61	5.14E-04	4.59E-04	8.73E-05	7.36E-05	4.15E-04	3.37E-04	6.80E-05	6.53E-05	5.08E-05	3.33E-05
645	563828.07	4234733.35	3.80E-04	3.39E-04	6.45E-05	5.44E-05	3.07E-04	2.49E-04	5.03E-05	4.83E-05	3.76E-05	2.47E-05
646	563823.28	4234719.18	3.92E-04	3.50E-04	6.65E-05	5.61E-05	3.17E-04	2.57E-04	5.19E-05	4.98E-05	3.87E-05	2.54E-05
647	563259.98	4234894.07	1.09E-02	9.74E-03	1.85E-03	1.56E-03	8.81E-03	7.14E-03	1.44E-03	1.38E-03	1.08E-03	7.07E-04
648	563271.83	4234898.47	8.82E-03	7.87E-03	1.50E-03	1.26E-03	7.12E-03	5.77E-03	1.17E-03	1.12E-03	8.71E-04	5.71E-04
649	563281.37	4234895.49	7.66E-03	6.83E-03	1.30E-03	1.10E-03	6.18E-03	5.01E-03	1.01E-03	9.72E-04	7.56E-04	4.96E-04
650	563290.92	4234892.52	6.70E-03	5.98E-03	1.14E-03	9.58E-04	5.41E-03	4.39E-03	8.86E-04	8.50E-04	6.62E-04	4.34E-04
651	563300.47	4234889.55	5.91E-03	5.27E-03	1.00E-03	8.45E-04	4.77E-03	3.86E-03	7.81E-04	7.49E-04	5.83E-04	3.83E-04
652	563307.72	4234879.2	5.44E-03	4.85E-03	9.23E-04	7.78E-04	4.39E-03	3.56E-03	7.19E-04	6.90E-04	5.37E-04	3.52E-04
653	563317.27	4234876.23	4.83E-03	4.31E-03	8.20E-04	6.91E-04	3.90E-03	3.16E-03	6.39E-04	6.13E-04	4.77E-04	3.13E-04
654	563326.82	4234873.26	4.32E-03	3.85E-03	7.33E-04	6.18E-04	3.49E-03	2.83E-03	5.71E-04	5.48E-04	4.27E-04	2.80E-04
655	563269.52	4234888.23	9.39E-03	8.37E-03	1.59E-03	1.34E-03	7.58E-03	6.14E-03	1.24E-03	1.19E-03	9.27E-04	6.08E-04
656	563279.41	4234886.69	8.03E-03	7.16E-03	1.36E-03	1.15E-03	6.48E-03	5.25E-03	1.06E-03	1.02E-03	7.93E-04	5.20E-04
657	563606.82	4234844.55	7.27E-04	6.49E-04	1.23E-04	1.04E-04	5.87E-04	4.76E-04	9.62E-05	9.23E-05	7.18E-05	4.71E-05
658	563646.34	4234838.4	6.26E-04	5.59E-04	1.06E-04	8.95E-05	5.06E-04	4.10E-04	8.28E-05	7.94E-05	6.18E-05	4.06E-05
659	563685.87	4234832.25	5.41E-04	4.83E-04	9.18E-05	7.74E-05	4.37E-04	3.54E-04	7.15E-05	6.86E-05	5.34E-05	3.51E-05
660	563684.53	4234823.64	5.44E-04	4.85E-04	9.23E-05	7.78E-05	4.39E-04	3.56E-04	7.19E-05	6.90E-05	5.37E-05	3.52E-05
661	563725.39	4234826.1	4.65E-04	4.14E-04	7.88E-05	6.64E-05	3.75E-04	3.04E-04	6.14E-05	5.90E-05	4.59E-05	3.01E-05
662	563804.44	4234813.8	3.60E-04	3.22E-04	6.12E-05	5.16E-05	2.91E-04	2.36E-04	4.77E-05	4.57E-05	3.56E-05	2.34E-05
663	563803.1	4234805.19	3.64E-04	3.25E-04	6.18E-05	5.21E-05	2.94E-04	2.38E-04	4.82E-05	4.62E-05	3.60E-05	2.36E-05
664	563843.97	4234807.65	3.23E-04	2.88E-04	5.48E-05	4.62E-05	2.61E-04	2.11E-04	4.27E-05	4.10E-05	3.19E-05	2.09E-05
665	563883.49	4234801.49	2.68E-04	2.39E-04	4.55E-05	3.84E-05	2.17E-04	1.76E-04	3.55E-05	3.41E-05	2.65E-05	1.74E-05
666	563923.01	4234795.34	2.44E-04	2.18E-04	4.14E-05	3.49E-05	1.97E-04	1.60E-04	3.22E-05	3.09E-05	2.41E-05	1.58E-05
667	563921.67	4234786.73	2.52E-04	2.25E-04	4.27E-05	3.60E-05	2.03E-04	1.65E-04	3.33E-05	3.19E-05	2.49E-05	1.63E-05
668	563258.09	4234879.94	1.17E-02	1.05E-02	1.99E-03	1.68E-03	9.48E-03	7.68E-03	1.55E-03	1.49E-03	1.16E-03	7.61E-04
669	563267.97	4234878.38	9.84E-03	8.78E-03	1.67E-03	1.41E-03	7.95E-03	6.44E-03	1.30E-03	1.25E-03	9.72E-04	6.38E-04
670	563277.85	4234876.82	8.38E-03	7.47E-03	1.42E-03	1.20E-03	6.76E-03	5.48E-03	1.11E-03	1.06E-03	8.27E-04	5.43E-04
671	563287.73	4234875.27	7.21E-03	6.43E-03	1.22E-03	1.03E-03	5.82E-03	4.72E-03	9.53E-04	9.15E-04	7.12E-04	4.67E-04
672	563297.61	4234873.71	6.27E-03	5.59E-03	1.06E-03	8.96E-04	5.06E-03	4.10E-03	8.29E-04	7.95E-04	6.19E-04	4.06E-04
673	563564.31	4234831.67	8.57E-04	7.64E-04	1.45E-04	1.23E-04	6.92E-04	5.61E-04	1.13E-04	1.09E-04	8.46E-05	5.55E-05
674	563605.37	4234835.21	7.33E-04	6.54E-04	1.24E-04	1.05E-04	5.92E-04	4.80E-04	9.70E-05	9.31E-05	7.24E-05	4.75E-05
675	563603.83	4234825.44	7.40E-04	6.60E-04	1.26E-04	1.06E-04	5.97E-04	4.84E-04	9.78E-05	9.39E-05	7.31E-05	4.79E-05
676	563644.88	4234828.98	6.30E-04	5.62E-04	1.07E-04	9.01E-05	5.09E-04	4.12E-04	8.33E-05	8.00E-05	6.22E-05	4.08E-05
677	563643.34	4234819.21	6.35E-04	5.66E-04	1.08E-04	9.08E-05	5.13E-04	4.16E-04	8.40E-05	8.06E-05	6.27E-05	4.12E-05
678	563682.85	4234812.99	5.49E-04	4.89E-04	9.31E-05	7.84E-05	4.43E-04	3.59E-04	7.25E-05	6.96E-05	5.42E-05	3.55E-05
679	563723.9	4234816.53	4.68E-04	4.17E-04	7.94E-05	6.69E-05	3.78E-04	3.06E-04	6.18E-05	5.93E-05	4.62E-05	3.03E-05
680	563722.36	4234806.76	4.75E-04	4.23E-04	8.05E-05	6.79E-05	3.83E-04	3.11E-04	6.28E-05	6.02E-05	4.69E-05	3.08E-05
681	563842.44	4234797.84	3.27E-04	2.92E-04	5.56E-05	4.68E-05	2.64E-04	2.14E-04	4.33E-05	4.15E-05	3.23E-05	2.12E-05
682	563840.9	4234788.07	3.33E-04	2.97E-04	5.64E-05	4.76E-05	2.69E-04	2.18E-04	4.40E-05	4.22E-05	3.28E-05	2.16E-05
683	563881.95	4234791.62	2.96E-04	2.64E-04	5.02E-05	4.23E-05	2.39E-04	1.94E-04	3.91E-05	3.76E-05	2.92E-05	1.92E-05
684	563880.41	4234781.85	3.03E-04	2.70E-04	5.14E-05	4.33E-05	2.45E-04	1.98E-04	4.01E-05	3.84E-05	2.99E-05	1.96E-05
685	563919.92	4234775.62	2.57E-04	2.30E-04	4.37E-05	3.68E-05	2.08E-04	1.68E-04	3.40E-05	3.27E-05	2.54E-05	1.67E-05
686	563257.42	4234870.19	1.22E-02	1.08E-02	2.06E-03	1.74E-03	9.82E-03	7.96E-03	1.61E-03	1.54E-03	1.20E-03	7.88E-04

687	563267.39	4234869.41	1.01E-02	9.02E-03	1.72E-03	1.45E-03	8.17E-03	6.62E-03	1.34E-03	1.28E-03	9.99E-04	6.56E-04
688	563307.26	4234866.27	5.54E-03	4.94E-03	9.40E-04	7.92E-04	4.47E-03	3.62E-03	7.32E-04	7.03E-04	5.47E-04	3.59E-04
689	563317.23	4234865.48	4.88E-03	4.35E-03	8.27E-04	6.97E-04	3.94E-03	3.19E-03	6.45E-04	6.19E-04	4.82E-04	3.16E-04
690	563327.2	4234864.7	4.32E-03	3.86E-03	7.34E-04	6.18E-04	3.49E-03	2.83E-03	5.72E-04	5.49E-04	4.27E-04	2.80E-04
691	563347.14	4234863.13	3.46E-03	3.09E-03	5.88E-04	4.95E-04	2.80E-03	2.27E-03	4.58E-04	4.40E-04	3.42E-04	2.25E-04
692	563607.29	4234854.77	7.24E-04	6.46E-04	1.23E-04	1.04E-04	5.84E-04	4.74E-04	9.57E-05	9.18E-05	7.15E-05	4.69E-05
693	563647.16	4234851.63	6.24E-04	5.57E-04	1.06E-04	8.92E-05	5.04E-04	4.08E-04	8.25E-05	7.92E-05	6.16E-05	4.04E-05
694	563687.04	4234848.49	5.40E-04	4.82E-04	9.16E-05	7.72E-05	4.36E-04	3.53E-04	7.14E-05	6.85E-05	5.33E-05	3.50E-05
695	563726.92	4234845.35	4.63E-04	4.13E-04	7.86E-05	6.63E-05	3.74E-04	3.03E-04	6.13E-05	5.88E-05	4.58E-05	3.00E-05
696	563806.67	4234839.06	3.55E-04	3.16E-04	6.02E-05	5.07E-05	2.86E-04	2.32E-04	4.69E-05	4.50E-05	3.50E-05	2.30E-05
697	563805.72	4234827	3.57E-04	3.18E-04	6.05E-05	5.10E-05	2.88E-04	2.33E-04	4.72E-05	4.52E-05	3.52E-05	2.31E-05
698	563846.55	4234835.92	2.84E-04	2.53E-04	4.81E-05	4.06E-05	2.29E-04	1.86E-04	3.75E-05	3.60E-05	2.80E-05	1.84E-05
699	563845.6	4234823.86	3.15E-04	2.81E-04	5.35E-05	4.51E-05	2.54E-04	2.06E-04	4.17E-05	4.00E-05	3.11E-05	2.04E-05
700	563886.42	4234832.78	2.48E-04	2.21E-04	4.20E-05	3.54E-05	2.00E-04	1.62E-04	3.28E-05	3.14E-05	2.45E-05	1.61E-05
701	563885.47	4234820.72	2.52E-04	2.25E-04	4.28E-05	3.61E-05	2.04E-04	1.65E-04	3.34E-05	3.20E-05	2.49E-05	1.64E-05
702	563926.3	4234829.64	2.21E-04	1.97E-04	3.74E-05	3.15E-05	1.78E-04	1.44E-04	2.92E-05	2.80E-05	2.18E-05	1.43E-05
703	563925.35	4234817.58	2.25E-04	2.01E-04	3.82E-05	3.22E-05	1.82E-04	1.47E-04	2.98E-05	2.86E-05	2.23E-05	1.46E-05
704	563257.7	4234861.16	1.23E-02	1.10E-02	2.09E-03	1.76E-03	9.94E-03	8.05E-03	1.63E-03	1.56E-03	1.22E-03	7.98E-04
705	563277.6	4234867.42	8.53E-03	7.61E-03	1.45E-03	1.22E-03	6.89E-03	5.58E-03	1.13E-03	1.08E-03	8.43E-04	5.53E-04
706	563287.69	4234861.64	7.33E-03	6.54E-03	1.24E-03	1.05E-03	5.92E-03	4.80E-03	9.70E-04	9.31E-04	7.24E-04	4.75E-04
707	563297.69	4234861.8	6.34E-03	5.65E-03	1.07E-03	9.06E-04	5.12E-03	4.15E-03	8.38E-04	8.04E-04	6.26E-04	4.11E-04
708	563607.56	4234872.7	7.20E-04	6.42E-04	1.22E-04	1.03E-04	5.81E-04	4.71E-04	9.52E-05	9.13E-05	7.11E-05	4.66E-05
709	563647.65	4234867.4	6.24E-04	5.56E-04	1.06E-04	8.92E-05	5.03E-04	4.08E-04	8.25E-05	7.91E-05	6.16E-05	4.04E-05
710	563687.45	4234879.91	5.45E-04	4.87E-04	9.26E-05	7.80E-05	4.40E-04	3.57E-04	7.21E-05	6.92E-05	5.39E-05	3.54E-05
711	563687.64	4234868.04	5.42E-04	4.84E-04	9.20E-05	7.75E-05	4.38E-04	3.55E-04	7.17E-05	6.88E-05	5.36E-05	3.51E-05
712	563727.45	4234880.55	4.78E-04	4.26E-04	8.11E-05	6.83E-05	3.86E-04	3.13E-04	6.32E-05	6.06E-05	4.72E-05	3.10E-05
713	563727.64	4234868.68	4.73E-04	4.22E-04	8.02E-05	6.76E-05	3.82E-04	3.09E-04	6.25E-05	6.00E-05	4.67E-05	3.06E-05
714	563807.44	4234881.83	3.62E-04	3.23E-04	6.15E-05	5.18E-05	2.93E-04	2.37E-04	4.79E-05	4.60E-05	3.58E-05	2.35E-05
715	563807.63	4234869.96	3.58E-04	3.19E-04	6.08E-05	5.12E-05	2.89E-04	2.34E-04	4.74E-05	4.54E-05	3.54E-05	2.32E-05
716	563847.43	4234882.47	2.78E-04	2.48E-04	4.71E-05	3.97E-05	2.24E-04	1.82E-04	3.67E-05	3.52E-05	2.74E-05	1.80E-05
717	563847.62	4234870.6	2.76E-04	2.46E-04	4.69E-05	3.95E-05	2.23E-04	1.81E-04	3.65E-05	3.50E-05	2.73E-05	1.79E-05
718	563887.43	4234883.11	2.41E-04	2.15E-04	4.09E-05	3.45E-05	1.95E-04	1.58E-04	3.19E-05	3.06E-05	2.38E-05	1.56E-05
719	563887.62	4234871.24	2.42E-04	2.16E-04	4.11E-05	3.46E-05	1.95E-04	1.58E-04	3.20E-05	3.07E-05	2.39E-05	1.57E-05
720	563927.42	4234883.75	2.13E-04	1.90E-04	3.62E-05	3.05E-05	1.72E-04	1.40E-04	2.82E-05	2.71E-05	2.11E-05	1.38E-05
721	563927.61	4234871.88	2.13E-04	1.90E-04	3.61E-05	3.04E-05	1.72E-04	1.39E-04	2.81E-05	2.70E-05	2.10E-05	1.38E-05
722	563258.07	4234844.7	1.25E-02	1.12E-02	2.13E-03	1.79E-03	1.01E-02	8.20E-03	1.66E-03	1.59E-03	1.24E-03	8.12E-04
723	563267.88	4234853.26	1.03E-02	9.16E-03	1.74E-03	1.47E-03	8.29E-03	6.72E-03	1.36E-03	1.30E-03	1.01E-03	6.66E-04
724	563277.88	4234853.49	8.64E-03	7.71E-03	1.47E-03	1.24E-03	6.98E-03	5.65E-03	1.14E-03	1.10E-03	8.53E-04	5.60E-04
725	563288.06	4234845.39	7.39E-03	6.59E-03	1.25E-03	1.06E-03	5.96E-03	4.83E-03	9.77E-04	9.37E-04	7.29E-04	4.79E-04
726	563298.06	4234845.62	6.36E-03	5.68E-03	1.08E-03	9.10E-04	5.14E-03	4.16E-03	8.42E-04	8.08E-04	6.29E-04	4.12E-04
727	563307.87	4234854.17	5.54E-03	4.94E-03	9.40E-04	7.92E-04	4.47E-03	3.62E-03	7.33E-04	7.03E-04	5.47E-04	3.59E-04
728	563317.87	4234854.4	4.87E-03	4.34E-03	8.26E-04	6.96E-04	3.93E-03	3.19E-03	6.44E-04	6.18E-04	4.81E-04	3.15E-04
729	563327.86	4234854.63	4.31E-03	3.85E-03	7.31E-04	6.17E-04	3.48E-03	2.82E-03	5.70E-04	5.47E-04	4.26E-04	2.79E-04
730	563348.05	4234846.76	3.45E-03	3.07E-03	5.85E-04	4.93E-04	2.78E-03	2.25E-03	4.56E-04	4.37E-04	3.40E-04	2.23E-04
731	563367.85	4234855.54	2.81E-03	2.51E-03	4.77E-04	4.02E-04	2.27E-03	1.84E-03	3.72E-04	3.57E-04	2.78E-04	1.82E-04
732	563388.04	4234847.67	2.30E-03	2.05E-03	3.91E-04	3.29E-04	1.86E-03	1.51E-03	3.04E-04	2.92E-04	2.27E-04	1.49E-04
733	563408.03	4234848.12	1.97E-03	1.76E-03	3.34E-04	2.82E-04	1.59E-03	1.29E-03	2.60E-04	2.50E-04	1.94E-04	1.28E-04
734	563727.95	4234855.42	4.66E-04	4.16E-04	7.91E-05	6.66E-05	3.76E-04	3.05E-04	6.16E-05	5.91E-05	4.60E-05	3.02E-05
735	563807.93	4234857.25	3.55E-04	3.16E-04	6.02E-05	5.07E-05	2.86E-04	2.32E-04	4.69E-05	4.50E-05	3.50E-05	2.30E-05
736	563847.92	4234858.16	2.75E-04	2.46E-04	4.67E-05	3.94E-05	2.22E-04	1.80E-04	3.64E-05	3.49E-05	2.72E-05	1.78E-05
737	563887.91	4234859.07	2.42E-04	2.16E-04	4.10E-05	3.46E-05	1.95E-04	1.58E-04	3.20E-05	3.07E-05	2.39E-05	1.57E-05
738	563927.9	4234859.98	2.13E-04	1.90E-04	3.62E-05	3.05E-05	1.72E-04	1.40E-04	2.82E-05	2.71E-05	2.11E-05	1.38E-05
739	563249.03	4234812.07	1.58E-02	1.41E-02	2.68E-03	2.26E-03	1.28E-02	1.03E-02	2.09E-03	2.00E-03	1.56E-03	1.02E-03
740	563258.55	4234828.63	1.26E-02	1.12E-02	2.14E-03	1.80E-03	1.02E-02	8.25E-03	1.67E-03	1.60E-03	1.24E-03	8.17E-04
741	563259.03	4234812.36	1.26E-02	1.12E-02	2.13E-03	1.79E-03	1.01E-02	8.21E-03	1.66E-03	1.59E-03	1.24E-03	8.13E-04
742	563268.3	4234837.06	1.04E-02	9.23E-03	1.76E-03	1.48E-03	8.36E-03	6.77E-03	1.37E-03	1.31E-03	1.02E-03	6.71E-04
743	563268.78	4234820.79	1.03E-02	9.21E-03	1.75E-03	1.48E-03	8.34E-03	6.76E-03	1.37E-03	1.31E-03	1.02E-03	6.69E-04
744	563278.3	4234837.36	8.67E-03	7.73E-03	1.47E-03	1.24E-03	7.00E-03	5.67E-03	1.15E-03	1.10E-03	8.56E-04	5.62E-04
745	563278.78	4234821.09	8.59E-03	7.67E-03	1.46E-03	1.23E-03	6.94E-03	5.62E-03	1.14E-03	1.09E-03	8.49E-04	5.57E-04
746	563288.53	4234829.52	7.31E-03	6.52E-03	1.24E-03	1.05E-03	5.90E-03	4.78E-03	9.66E-04	9.27E-04	7.22E-04	4.74E-04
747	563289.01	4234813.25	7.16E-03	6.38E-03	1.21E-03	1.02E-03	5.78E-03	4.68E-03	9.46E-04	9.08E-04	7.07E-04	4.64E-04
748	563298.53	4234829.81	6.26E-03	5.58E-03	1.06E-03	8.95E-04	5.05E-03	4.10E-03	8.28E-04	7.94E-04	6.18E-04	4.06E-04
749	563299.01	4234813.54	6.10E-03	5.45E-03	1.04E-03	8.73E-04	4.93E-03	3.99E-03	8.07E-04	7.75E-04	6.03E-04	3.96E-04
750	563308.29	4234838.24	5.49E-03	4.90E-03	9.32E-04	7.86E-04	4.44E-03	3.59E-03	7.26E-04	6.97E-04	5.43E-04	3.56E-04
751	563308.77	4234821.97	5.36E-03	4.78E-03	9.09E-04	7.66E-04	4.33E-03	3.51E-03	7.09E-04	6.80E-04	5.29E-04	3.47E-04
752	563318.28	4234838.54	4.82E-03	4.30E-03	8.19E-04	6.90E-04	3.90E-03	3.16E-03	6.38E-04	6.12E-04	4.76E-04	3.13E-04
753	563318.76	4234822.27	4.70E-03	4.20E-03	7.98E-04	6.73E-04	3.80E-03	3.08E-03	6.22E-04	5.97E-04	4.64E-04	3.05E-04
754	563328.28	4234838.83	4.27E-03	3.81E-03	7.25E-04	6.11E-04	3.45E-03	2.79E-03	5.65E-04	5.42E-04	4.22E-04	2.77E-04
755	563328.76	4234822.56	4.16E-03	3.71E-03	7.06E-04	5.95E-04	3.36E-03	2.72E-03	5.50E-04	5.28E-04	4.11E-04	2.70E-04

756	563348.51	4234831.29	3.38E-03	3.01E-03	5.73E-04	4.83E-04	2.73E-03	2.21E-03	4.46E-04	4.28E-04	3.33E-04	2.19E-04
757	563348.99	4234815.02	3.28E-03	2.93E-03	5.57E-04	4.70E-04	2.65E-03	2.15E-03	4.34E-04	4.17E-04	3.24E-04	2.13E-04
758	563368.26	4234840.01	2.79E-03	2.49E-03	4.73E-04	3.99E-04	2.25E-03	1.82E-03	3.69E-04	3.54E-04	2.75E-04	1.81E-04
759	563368.74	4234823.74	2.73E-03	2.44E-03	4.63E-04	3.90E-04	2.20E-03	1.79E-03	3.61E-04	3.46E-04	2.70E-04	1.77E-04
760	563388.49	4234832.47	2.29E-03	2.04E-03	3.88E-04	3.27E-04	1.85E-03	1.50E-03	3.02E-04	2.90E-04	2.26E-04	1.48E-04
761	563388.97	4234816.2	2.26E-03	2.02E-03	3.84E-04	3.24E-04	1.83E-03	1.48E-03	2.99E-04	2.87E-04	2.24E-04	1.47E-04
762	563408.72	4234824.92	1.94E-03	1.73E-03	3.30E-04	2.78E-04	1.57E-03	1.27E-03	2.57E-04	2.47E-04	1.92E-04	1.26E-04
763	563428.23	4234841.78	1.72E-03	1.53E-03	2.91E-04	2.46E-04	1.39E-03	1.12E-03	2.27E-04	2.18E-04	1.70E-04	1.11E-04
764	563428.95	4234817.38	1.68E-03	1.50E-03	2.85E-04	2.40E-04	1.35E-03	1.10E-03	2.22E-04	2.13E-04	1.66E-04	1.09E-04
765	563448.46	4234834.24	1.49E-03	1.33E-03	2.53E-04	2.14E-04	1.21E-03	9.77E-04	1.98E-04	1.90E-04	1.48E-04	9.68E-05
766	563468.46	4234834.83	1.33E-03	1.19E-03	2.26E-04	1.91E-04	1.08E-03	8.73E-04	1.76E-04	1.69E-04	1.32E-04	8.64E-05
767	563488.69	4234827.28	1.21E-03	1.08E-03	2.05E-04	1.73E-04	9.75E-04	7.90E-04	1.60E-04	1.53E-04	1.19E-04	7.83E-05
768	563508.68	4234827.87	1.09E-03	9.72E-04	1.85E-04	1.56E-04	8.80E-04	7.13E-04	1.44E-04	1.38E-04	1.08E-04	7.06E-05
769	563528.43	4234836.6	9.85E-04	8.78E-04	1.67E-04	1.41E-04	7.95E-04	6.44E-04	1.30E-04	1.25E-04	9.73E-05	6.38E-05
770	563528.91	4234820.33	9.93E-04	8.86E-04	1.69E-04	1.42E-04	8.02E-04	6.50E-04	1.31E-04	1.26E-04	9.81E-05	6.44E-05
771	563568.17	4234845.91	8.49E-04	7.57E-04	1.44E-04	1.21E-04	6.85E-04	5.55E-04	1.12E-04	1.08E-04	8.38E-05	5.50E-05
772	563568.89	4234821.51	8.36E-04	7.46E-04	1.42E-04	1.20E-04	6.75E-04	5.47E-04	1.11E-04	1.06E-04	8.25E-05	5.42E-05
773	563687.88	4234857.59	5.40E-04	4.81E-04	9.16E-05	7.72E-05	4.36E-04	3.53E-04	7.14E-05	6.85E-05	5.33E-05	3.50E-05
774	563728.58	4234834.36	4.60E-04	4.10E-04	7.80E-05	6.58E-05	3.71E-04	3.01E-04	6.08E-05	5.83E-05	4.54E-05	2.98E-05
775	563848.29	4234846.03	2.76E-04	2.46E-04	4.68E-05	3.94E-05	2.23E-04	1.81E-04	3.65E-05	3.50E-05	2.72E-05	1.79E-05
776	563888.27	4234847.21	2.43E-04	2.16E-04	4.11E-05	3.47E-05	1.96E-04	1.59E-04	3.21E-05	3.08E-05	2.40E-05	1.57E-05
777	563928.26	4234848.39	2.15E-04	1.92E-04	3.65E-05	3.07E-05	1.73E-04	1.41E-04	2.84E-05	2.73E-05	2.12E-05	1.39E-05
778	563249.21	4234802.51	1.58E-02	1.41E-02	2.68E-03	2.26E-03	1.27E-02	1.03E-02	2.09E-03	2.00E-03	1.56E-03	1.02E-03
779	563249.38	4234793.17	1.57E-02	1.40E-02	2.67E-03	2.25E-03	1.27E-02	1.03E-02	2.08E-03	2.00E-03	1.55E-03	1.02E-03
780	563249.55	4234783.83	1.56E-02	1.39E-02	2.65E-03	2.23E-03	1.26E-02	1.02E-02	2.07E-03	1.98E-03	1.54E-03	1.01E-03
781	563249.72	4234774.49	1.54E-02	1.37E-02	2.61E-03	2.20E-03	1.24E-02	1.01E-02	2.04E-03	1.95E-03	1.52E-03	9.97E-04
782	563249.89	4234765.15	1.51E-02	1.35E-02	2.57E-03	2.16E-03	1.22E-02	9.89E-03	2.00E-03	1.92E-03	1.49E-03	9.80E-04
783	563250.06	4234755.81	1.48E-02	1.32E-02	2.51E-03	2.12E-03	1.19E-02	9.68E-03	1.96E-03	1.88E-03	1.46E-03	9.59E-04
784	563250.23	4234746.47	1.45E-02	1.29E-02	2.46E-03	2.07E-03	1.17E-02	9.49E-03	1.92E-03	1.84E-03	1.43E-03	9.40E-04
785	563250.4	4234737.13	1.41E-02	1.26E-02	2.40E-03	2.02E-03	1.14E-02	9.25E-03	1.87E-03	1.79E-03	1.40E-03	9.16E-04
786	563250.57	4234727.79	1.37E-02	1.22E-02	2.32E-03	1.96E-03	1.11E-02	8.96E-03	1.81E-03	1.74E-03	1.35E-03	8.87E-04
787	563259.21	4234802.69	1.25E-02	1.11E-02	2.11E-03	1.78E-03	1.01E-02	8.15E-03	1.65E-03	1.58E-03	1.23E-03	8.07E-04
788	563259.38	4234793.35	1.23E-02	1.10E-02	2.09E-03	1.76E-03	9.95E-03	8.07E-03	1.63E-03	1.56E-03	1.22E-03	7.99E-04
789	563259.55	4234784.01	1.22E-02	1.09E-02	2.06E-03	1.74E-03	9.82E-03	7.96E-03	1.61E-03	1.54E-03	1.20E-03	7.89E-04
790	563259.72	4234774.67	1.20E-02	1.07E-02	2.03E-03	1.71E-03	9.67E-03	7.84E-03	1.58E-03	1.52E-03	1.18E-03	7.76E-04
791	563259.89	4234765.33	1.17E-02	1.05E-02	1.99E-03	1.68E-03	9.48E-03	7.68E-03	1.55E-03	1.49E-03	1.16E-03	7.61E-04
792	563260.06	4234755.99	1.15E-02	1.02E-02	1.95E-03	1.64E-03	9.26E-03	7.50E-03	1.52E-03	1.45E-03	1.13E-03	7.43E-04
793	563260.23	4234746.65	1.12E-02	9.98E-03	1.90E-03	1.60E-03	9.03E-03	7.32E-03	1.48E-03	1.42E-03	1.10E-03	7.25E-04
794	563260.4	4234737.31	1.09E-02	9.68E-03	1.84E-03	1.55E-03	8.77E-03	7.10E-03	1.44E-03	1.38E-03	1.07E-03	7.04E-04
795	563260.57	4234727.98	1.05E-02	9.34E-03	1.78E-03	1.50E-03	8.46E-03	6.85E-03	1.39E-03	1.33E-03	1.03E-03	6.79E-04
796	563269.03	4234812.21	1.02E-02	9.14E-03	1.74E-03	1.46E-03	8.27E-03	6.70E-03	1.35E-03	1.30E-03	1.01E-03	6.64E-04
797	563269.2	4234802.87	1.01E-02	9.01E-03	1.71E-03	1.44E-03	8.16E-03	6.61E-03	1.34E-03	1.28E-03	9.98E-04	6.55E-04
798	563269.37	4234793.53	9.94E-03	8.87E-03	1.69E-03	1.42E-03	8.03E-03	6.51E-03	1.31E-03	1.26E-03	9.82E-04	6.44E-04
799	563269.54	4234784.19	9.76E-03	8.71E-03	1.66E-03	1.40E-03	7.88E-03	6.39E-03	1.29E-03	1.24E-03	9.64E-04	6.33E-04
800	563269.71	4234774.85	9.60E-03	8.56E-03	1.63E-03	1.37E-03	7.75E-03	6.28E-03	1.27E-03	1.22E-03	9.48E-04	6.22E-04
801	563269.88	4234765.51	9.40E-03	8.38E-03	1.59E-03	1.34E-03	7.59E-03	6.15E-03	1.24E-03	1.19E-03	9.28E-04	6.09E-04
802	563270.05	4234756.17	9.17E-03	8.18E-03	1.56E-03	1.31E-03	7.40E-03	6.00E-03	1.21E-03	1.16E-03	9.06E-04	5.94E-04
803	563270.22	4234746.84	8.92E-03	7.95E-03	1.51E-03	1.28E-03	7.20E-03	5.83E-03	1.18E-03	1.13E-03	8.80E-04	5.78E-04
804	563270.39	4234737.5	8.63E-03	7.70E-03	1.46E-03	1.23E-03	6.97E-03	5.65E-03	1.14E-03	1.09E-03	8.52E-04	5.59E-04
805	563270.56	4234728.16	8.31E-03	7.41E-03	1.41E-03	1.19E-03	6.71E-03	5.44E-03	1.10E-03	1.05E-03	8.21E-04	5.39E-04
806	563279.2	4234803.05	8.37E-03	7.46E-03	1.42E-03	1.20E-03	6.76E-03	5.48E-03	1.11E-03	1.06E-03	8.26E-04	5.42E-04
807	563279.37	4234793.71	8.21E-03	7.33E-03	1.39E-03	1.17E-03	6.63E-03	5.37E-03	1.09E-03	1.04E-03	8.11E-04	5.32E-04
808	563279.54	4234784.37	8.05E-03	7.18E-03	1.37E-03	1.15E-03	6.50E-03	5.27E-03	1.06E-03	1.02E-03	7.95E-04	5.22E-04
809	563279.71	4234775.03	7.90E-03	7.04E-03	1.34E-03	1.13E-03	6.38E-03	5.17E-03	1.04E-03	1.00E-03	7.80E-04	5.12E-04
810	563279.88	4234765.7	7.72E-03	6.89E-03	1.31E-03	1.10E-03	6.23E-03	5.05E-03	1.02E-03	9.80E-04	7.63E-04	5.00E-04
811	563280.05	4234756.36	7.52E-03	6.71E-03	1.28E-03	1.08E-03	6.07E-03	4.92E-03	9.95E-04	9.54E-04	7.43E-04	4.87E-04
812	563280.22	4234747.02	7.30E-03	6.51E-03	1.24E-03	1.04E-03	5.89E-03	4.78E-03	9.65E-04	9.26E-04	7.21E-04	4.73E-04
813	563280.39	4234737.68	7.06E-03	6.29E-03	1.20E-03	1.01E-03	5.70E-03	4.62E-03	9.33E-04	8.95E-04	6.97E-04	4.57E-04
814	563280.56	4234728.34	6.79E-03	6.06E-03	1.15E-03	9.72E-04	5.49E-03	4.45E-03	8.98E-04	8.62E-04	6.71E-04	4.40E-04
815	563289.2	4234803.23	7.04E-03	6.28E-03	1.20E-03	1.01E-03	5.69E-03	4.61E-03	9.31E-04	8.94E-04	6.96E-04	4.57E-04
816	563289.37	4234793.89	6.92E-03	6.17E-03	1.17E-03	9.90E-04	5.59E-03	4.53E-03	9.15E-04	8.78E-04	6.83E-04	4.48E-04
817	563289.54	4234784.56	6.78E-03	6.05E-03	1.15E-03	9.70E-04	5.47E-03	4.44E-03	8.97E-04	8.60E-04	6.70E-04	4.39E-04
818	563289.71	4234775.22	6.64E-03	5.92E-03	1.13E-03	9.50E-04	5.36E-03	4.35E-03	8.78E-04	8.43E-04	6.56E-04	4.30E-04
819	563289.88	4234765.88	6.48E-03	5.78E-03	1.10E-03	9.27E-04	5.23E-03	4.24E-03	8.57E-04	8.22E-04	6.40E-04	4.20E-04
820	563290.05	4234756.54	6.31E-03	5.63E-03	1.07E-03	9.02E-04	5.09E-03	4.13E-03	8.34E-04	8.00E-04	6.23E-04	4.09E-04
821	563290.22	4234747.2	6.11E-03	5.45E-03	1.04E-03	8.74E-04	4.94E-03	4.00E-03	8.09E-04	7.76E-04	6.04E-04	3.96E-04
822	563290.39	4234737.86	5.91E-03	5.27E-03	1.00E-03	8.45E-04	4.77E-03	3.87E-03	7.82E-04	7.50E-04	5.84E-04	3.83E-04
823	563290.56	4234728.52	5.70E-03	5.08E-03	9.66E-04	8.14E-04	4.60E-03	3.73E-03	7.53E-04	7.23E-04	5.62E-04	3.69E-04
824	563299.2	4234803.42	6.02E-03	5.37E-03	1.02E-03	8.60E-04	4.86E-03	3.94E-03	7.96E-04	7.63E-04	5.94E-04	3.90E-04

825	563299.37	4234794.08	5.92E-03	5.28E-03	1.00E-03	8.46E-04	4.78E-03	3.87E-03	7.83E-04	7.51E-04	5.84E-04	3.83E-04
826	563299.54	4234784.74	5.80E-03	5.18E-03	9.85E-04	8.30E-04	4.68E-03	3.80E-03	7.67E-04	7.36E-04	5.73E-04	3.76E-04
827	563299.71	4234775.4	5.68E-03	5.06E-03	9.63E-04	8.12E-04	4.58E-03	3.71E-03	7.51E-04	7.20E-04	5.61E-04	3.68E-04
828	563299.88	4234766.06	5.54E-03	4.94E-03	9.40E-04	7.92E-04	4.47E-03	3.62E-03	7.32E-04	7.03E-04	5.47E-04	3.59E-04
829	563300.05	4234756.72	5.38E-03	4.80E-03	9.14E-04	7.70E-04	4.35E-03	3.52E-03	7.12E-04	6.83E-04	5.32E-04	3.49E-04
830	563300.22	4234747.38	5.22E-03	4.66E-03	8.86E-04	7.47E-04	4.22E-03	3.42E-03	6.91E-04	6.63E-04	5.16E-04	3.38E-04
831	563300.39	4234738.04	5.05E-03	4.51E-03	8.57E-04	7.22E-04	4.08E-03	3.31E-03	6.68E-04	6.41E-04	4.99E-04	3.27E-04
832	563300.56	4234728.7	4.87E-03	4.35E-03	8.27E-04	6.97E-04	3.94E-03	3.19E-03	6.45E-04	6.19E-04	4.81E-04	3.16E-04
833	563309.03	4234812.94	5.28E-03	4.71E-03	8.96E-04	7.55E-04	4.26E-03	3.45E-03	6.98E-04	6.70E-04	5.21E-04	3.42E-04
834	563309.2	4234803.6	5.20E-03	4.64E-03	8.83E-04	7.44E-04	4.20E-03	3.40E-03	6.88E-04	6.60E-04	5.14E-04	3.37E-04
835	563309.37	4234794.26	5.11E-03	4.56E-03	8.68E-04	7.31E-04	4.13E-03	3.35E-03	6.76E-04	6.49E-04	5.05E-04	3.31E-04
836	563309.54	4234784.92	5.01E-03	4.47E-03	8.50E-04	7.16E-04	4.05E-03	3.28E-03	6.63E-04	6.36E-04	4.95E-04	3.25E-04
837	563309.71	4234775.58	4.90E-03	4.37E-03	8.31E-04	7.01E-04	3.96E-03	3.21E-03	6.48E-04	6.22E-04	4.84E-04	3.18E-04
838	563309.88	4234766.24	4.78E-03	4.26E-03	8.11E-04	6.83E-04	3.86E-03	3.13E-03	6.32E-04	6.06E-04	4.72E-04	3.10E-04
839	563310.05	4234756.9	4.65E-03	4.15E-03	7.89E-04	6.65E-04	3.75E-03	3.04E-03	6.15E-04	5.90E-04	4.59E-04	3.01E-04
840	563310.22	4234747.56	4.51E-03	4.02E-03	7.65E-04	6.45E-04	3.64E-03	2.95E-03	5.96E-04	5.72E-04	4.45E-04	2.92E-04
841	563310.39	4234738.22	4.37E-03	3.89E-03	7.41E-04	6.24E-04	3.53E-03	2.86E-03	5.77E-04	5.54E-04	4.31E-04	2.83E-04
842	563310.56	4234728.89	4.22E-03	3.76E-03	7.16E-04	6.03E-04	3.41E-03	2.76E-03	5.58E-04	5.35E-04	4.17E-04	2.73E-04
843	563319.03	4234813.12	4.63E-03	4.13E-03	7.85E-04	6.61E-04	3.73E-03	3.03E-03	6.12E-04	5.87E-04	4.57E-04	3.00E-04
844	563319.2	4234803.78	4.55E-03	4.06E-03	7.72E-04	6.51E-04	3.67E-03	2.98E-03	6.02E-04	5.77E-04	4.49E-04	2.95E-04
845	563319.37	4234794.44	4.46E-03	3.98E-03	7.57E-04	6.38E-04	3.60E-03	2.92E-03	5.90E-04	5.66E-04	4.41E-04	2.89E-04
846	563319.54	4234785.1	4.36E-03	3.89E-03	7.41E-04	6.24E-04	3.52E-03	2.86E-03	5.77E-04	5.54E-04	4.31E-04	2.83E-04
847	563319.71	4234775.76	4.27E-03	3.81E-03	7.25E-04	6.11E-04	3.45E-03	2.79E-03	5.65E-04	5.42E-04	4.22E-04	2.77E-04
848	563319.88	4234766.42	4.17E-03	3.72E-03	7.07E-04	5.96E-04	3.36E-03	2.73E-03	5.51E-04	5.29E-04	4.11E-04	2.70E-04
849	563320.05	4234757.08	4.05E-03	3.62E-03	6.88E-04	5.80E-04	3.27E-03	2.65E-03	5.36E-04	5.14E-04	4.00E-04	2.63E-04
850	563320.22	4234747.75	3.94E-03	3.51E-03	6.68E-04	5.63E-04	3.18E-03	2.58E-03	5.21E-04	5.00E-04	3.89E-04	2.55E-04
851	563320.39	4234738.41	3.82E-03	3.41E-03	6.48E-04	5.46E-04	3.08E-03	2.50E-03	5.05E-04	4.84E-04	3.77E-04	2.47E-04
852	563320.56	4234729.07	3.70E-03	3.30E-03	6.27E-04	5.29E-04	2.98E-03	2.42E-03	4.89E-04	4.69E-04	3.65E-04	2.40E-04
853	563329.02	4234813.3	4.09E-03	3.65E-03	6.94E-04	5.85E-04	3.30E-03	2.68E-03	5.41E-04	5.19E-04	4.04E-04	2.65E-04
854	563329.19	4234803.96	4.02E-03	3.58E-03	6.81E-04	5.74E-04	3.24E-03	2.63E-03	5.31E-04	5.09E-04	3.97E-04	2.60E-04
855	563329.36	4234794.62	3.93E-03	3.51E-03	6.67E-04	5.62E-04	3.18E-03	2.57E-03	5.20E-04	4.99E-04	3.88E-04	2.55E-04
856	563329.53	4234785.28	3.84E-03	3.43E-03	6.52E-04	5.50E-04	3.10E-03	2.52E-03	5.08E-04	4.88E-04	3.80E-04	2.49E-04
857	563329.7	4234775.94	3.76E-03	3.36E-03	6.38E-04	5.38E-04	3.04E-03	2.46E-03	4.98E-04	4.77E-04	3.72E-04	2.44E-04
858	563329.87	4234766.61	3.68E-03	3.28E-03	6.24E-04	5.26E-04	2.97E-03	2.40E-03	4.86E-04	4.66E-04	3.63E-04	2.38E-04
859	563330.04	4234757.27	3.58E-03	3.19E-03	6.08E-04	5.12E-04	2.89E-03	2.34E-03	4.74E-04	4.54E-04	3.54E-04	2.32E-04
860	563330.21	4234747.93	3.48E-03	3.11E-03	5.91E-04	4.98E-04	2.81E-03	2.28E-03	4.61E-04	4.42E-04	3.44E-04	2.26E-04
861	563330.38	4234738.59	3.38E-03	3.02E-03	5.74E-04	4.84E-04	2.73E-03	2.21E-03	4.47E-04	4.29E-04	3.34E-04	2.19E-04
862	563330.55	4234729.25	3.28E-03	2.93E-03	5.57E-04	4.69E-04	2.65E-03	2.15E-03	4.34E-04	4.16E-04	3.24E-04	2.13E-04
863	563349.19	4234804.33	3.23E-03	2.88E-03	5.48E-04	4.62E-04	2.61E-03	2.11E-03	4.27E-04	4.10E-04	3.19E-04	2.09E-04
864	563349.36	4234794.99	3.18E-03	2.83E-03	5.39E-04	4.54E-04	2.56E-03	2.08E-03	4.20E-04	4.03E-04	3.14E-04	2.06E-04
865	563349.53	4234785.65	3.12E-03	2.78E-03	5.29E-04	4.46E-04	2.52E-03	2.04E-03	4.12E-04	3.95E-04	3.08E-04	2.02E-04
866	563349.7	4234776.31	3.05E-03	2.72E-03	5.18E-04	4.36E-04	2.46E-03	2.00E-03	4.03E-04	3.87E-04	3.01E-04	1.98E-04
867	563349.87	4234766.97	2.98E-03	2.66E-03	5.05E-04	4.26E-04	2.40E-03	1.95E-03	3.94E-04	3.78E-04	2.94E-04	1.93E-04
868	563350.04	4234757.63	2.90E-03	2.59E-03	4.93E-04	4.15E-04	2.34E-03	1.90E-03	3.84E-04	3.68E-04	2.87E-04	1.88E-04
869	563350.21	4234748.29	2.83E-03	2.53E-03	4.81E-04	4.05E-04	2.29E-03	1.85E-03	3.75E-04	3.59E-04	2.80E-04	1.84E-04
870	563350.38	4234738.95	2.76E-03	2.46E-03	4.69E-04	3.95E-04	2.23E-03	1.81E-03	3.65E-04	3.50E-04	2.73E-04	1.79E-04
871	563350.55	4234729.61	2.69E-03	2.40E-03	4.56E-04	3.85E-04	2.17E-03	1.76E-03	3.56E-04	3.41E-04	2.66E-04	1.74E-04
872	563369.02	4234814.03	2.69E-03	2.40E-03	4.57E-04	3.85E-04	2.18E-03	1.76E-03	3.56E-04	3.42E-04	2.66E-04	1.75E-04
873	563369.19	4234804.69	2.67E-03	2.38E-03	4.53E-04	3.82E-04	2.16E-03	1.75E-03	3.53E-04	3.39E-04	2.64E-04	1.73E-04
874	563369.36	4234795.35	2.64E-03	2.36E-03	4.49E-04	3.78E-04	2.14E-03	1.73E-03	3.50E-04	3.36E-04	2.61E-04	1.71E-04
875	563369.53	4234786.01	2.61E-03	2.33E-03	4.43E-04	3.74E-04	2.11E-03	1.71E-03	3.45E-04	3.31E-04	2.58E-04	1.69E-04
876	563369.7	4234776.67	2.55E-03	2.28E-03	4.33E-04	3.65E-04	2.06E-03	1.67E-03	3.38E-04	3.24E-04	2.52E-04	1.65E-04
877	563369.87	4234767.33	2.49E-03	2.22E-03	4.23E-04	3.56E-04	2.01E-03	1.63E-03	3.30E-04	3.16E-04	2.46E-04	1.62E-04
878	563370.04	4234757.99	2.43E-03	2.17E-03	4.12E-04	3.47E-04	1.96E-03	1.59E-03	3.21E-04	3.08E-04	2.40E-04	1.57E-04
879	563370.21	4234748.66	2.38E-03	2.12E-03	4.03E-04	3.40E-04	1.92E-03	1.56E-03	3.14E-04	3.02E-04	2.35E-04	1.54E-04
880	563370.38	4234739.32	2.33E-03	2.08E-03	3.95E-04	3.33E-04	1.88E-03	1.52E-03	3.08E-04	2.95E-04	2.30E-04	1.51E-04
881	563370.55	4234729.98	2.27E-03	2.03E-03	3.86E-04	3.25E-04	1.84E-03	1.49E-03	3.01E-04	2.89E-04	2.25E-04	1.47E-04
882	563389.18	4234805.05	2.25E-03	2.01E-03	3.81E-04	3.22E-04	1.82E-03	1.47E-03	2.97E-04	2.85E-04	2.22E-04	1.46E-04
883	563389.35	4234795.71	2.23E-03	1.99E-03	3.79E-04	3.19E-04	1.80E-03	1.46E-03	2.95E-04	2.83E-04	2.20E-04	1.45E-04
884	563389.52	4234786.38	2.21E-03	1.97E-03	3.75E-04	3.16E-04	1.79E-03	1.45E-03	2.93E-04	2.81E-04	2.18E-04	1.43E-04
885	563389.69	4234777.04	2.17E-03	1.93E-03	3.68E-04	3.10E-04	1.75E-03	1.42E-03	2.87E-04	2.75E-04	2.14E-04	1.41E-04
886	563389.86	4234767.7	2.12E-03	1.89E-03	3.60E-04	3.04E-04	1.71E-03	1.39E-03	2.81E-04	2.69E-04	2.10E-04	1.38E-04
887	563390.03	4234758.36	2.08E-03	1.85E-03	3.52E-04	2.97E-04	1.68E-03	1.36E-03	2.75E-04	2.63E-04	2.05E-04	1.35E-04
888	563390.2	4234749.02	2.04E-03	1.82E-03	3.46E-04	2.92E-04	1.65E-03	1.33E-03	2.70E-04	2.59E-04	2.01E-04	1.32E-04
889	563390.37	4234739.68	2.00E-03	1.79E-03	3.40E-04	2.86E-04	1.62E-03	1.31E-03	2.65E-04	2.54E-04	1.98E-04	1.30E-04
890	563390.54	4234730.34	1.96E-03	1.75E-03	3.33E-04	2.81E-04	1.59E-03	1.28E-03	2.60E-04	2.49E-04	1.94E-04	1.27E-04
891	563409.01	4234814.76	1.93E-03	1.72E-03	3.28E-04	2.76E-04	1.56E-03	1.26E-03	2.55E-04	2.45E-04	1.91E-04	1.25E-04
892	563409.18	4234805.42	1.92E-03	1.71E-03	3.25E-04	2.74E-04	1.55E-03	1.25E-03	2.53E-04	2.43E-04	1.89E-04	1.24E-04
893	563409.35	4234796.08	1.90E-03	1.69E-03	3.22E-04	2.71E-04	1.53E-03	1.24E-03	2.51E-04	2.41E-04	1.87E-04	1.23E-04

894	563409.52	4234786.74	1.88E-03	1.68E-03	3.19E-04	2.69E-04	1.52E-03	1.23E-03	2.48E-04	2.38E-04	1.85E-04	1.22E-04
895	563409.69	4234777.4	1.86E-03	1.66E-03	3.15E-04	2.65E-04	1.50E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
896	563409.86	4234768.06	1.83E-03	1.63E-03	3.10E-04	2.62E-04	1.48E-03	1.20E-03	2.42E-04	2.32E-04	1.81E-04	1.19E-04
897	563410.03	4234758.72	1.80E-03	1.61E-03	3.06E-04	2.58E-04	1.45E-03	1.18E-03	2.38E-04	2.29E-04	1.78E-04	1.17E-04
898	563410.2	4234749.38	1.78E-03	1.58E-03	3.01E-04	2.54E-04	1.43E-03	1.16E-03	2.35E-04	2.25E-04	1.75E-04	1.15E-04
899	563410.37	4234740.04	1.75E-03	1.56E-03	2.97E-04	2.50E-04	1.41E-03	1.14E-03	2.31E-04	2.22E-04	1.73E-04	1.13E-04
900	563410.54	4234730.71	1.72E-03	1.54E-03	2.92E-04	2.46E-04	1.39E-03	1.13E-03	2.28E-04	2.18E-04	1.70E-04	1.12E-04
901	563429.18	4234805.78	1.66E-03	1.48E-03	2.81E-04	2.37E-04	1.34E-03	1.08E-03	2.19E-04	2.10E-04	1.64E-04	1.07E-04
902	563429.35	4234796.44	1.64E-03	1.46E-03	2.78E-04	2.35E-04	1.32E-03	1.07E-03	2.17E-04	2.08E-04	1.62E-04	1.06E-04
903	563429.52	4234787.1	1.62E-03	1.45E-03	2.75E-04	2.32E-04	1.31E-03	1.06E-03	2.14E-04	2.06E-04	1.60E-04	1.05E-04
904	563429.69	4234777.76	1.61E-03	1.44E-03	2.73E-04	2.30E-04	1.30E-03	1.05E-03	2.13E-04	2.04E-04	1.59E-04	1.04E-04
905	563429.86	4234768.43	1.60E-03	1.43E-03	2.71E-04	2.29E-04	1.29E-03	1.05E-03	2.11E-04	2.03E-04	1.58E-04	1.04E-04
906	563430.03	4234759.09	1.58E-03	1.41E-03	2.69E-04	2.26E-04	1.28E-03	1.04E-03	2.09E-04	2.01E-04	1.56E-04	1.03E-04
907	563430.2	4234749.75	1.57E-03	1.40E-03	2.66E-04	2.24E-04	1.26E-03	1.02E-03	2.07E-04	1.99E-04	1.55E-04	1.01E-04
908	563430.37	4234740.41	1.55E-03	1.38E-03	2.62E-04	2.21E-04	1.25E-03	1.01E-03	2.05E-04	1.96E-04	1.53E-04	1.00E-04
909	563430.54	4234731.07	1.53E-03	1.36E-03	2.59E-04	2.18E-04	1.23E-03	9.99E-04	2.02E-04	1.94E-04	1.51E-04	9.90E-05
910	563449.17	4234806.15	1.46E-03	1.30E-03	2.48E-04	2.09E-04	1.18E-03	9.55E-04	1.93E-04	1.85E-04	1.44E-04	9.45E-05
911	563449.34	4234796.81	1.45E-03	1.29E-03	2.45E-04	2.07E-04	1.17E-03	9.46E-04	1.91E-04	1.83E-04	1.43E-04	9.37E-05
912	563449.51	4234787.47	1.43E-03	1.28E-03	2.43E-04	2.05E-04	1.16E-03	9.37E-04	1.89E-04	1.82E-04	1.41E-04	9.28E-05
913	563449.68	4234778.13	1.42E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.32E-04	1.88E-04	1.81E-04	1.41E-04	9.23E-05
914	563449.85	4234768.79	1.42E-03	1.26E-03	2.40E-04	2.02E-04	1.14E-03	9.26E-04	1.87E-04	1.80E-04	1.40E-04	9.17E-05
915	563450.02	4234759.45	1.41E-03	1.25E-03	2.38E-04	2.01E-04	1.13E-03	9.20E-04	1.86E-04	1.78E-04	1.39E-04	9.11E-05
916	563450.19	4234750.11	1.39E-03	1.24E-03	2.36E-04	1.99E-04	1.13E-03	9.12E-04	1.84E-04	1.77E-04	1.38E-04	9.03E-05
917	563450.36	4234740.77	1.38E-03	1.23E-03	2.34E-04	1.97E-04	1.11E-03	9.03E-04	1.83E-04	1.75E-04	1.36E-04	8.95E-05
918	563450.53	4234731.43	1.37E-03	1.22E-03	2.32E-04	1.96E-04	1.10E-03	8.95E-04	1.81E-04	1.73E-04	1.35E-04	8.86E-05
919	563469.34	4234797.17	1.31E-03	1.16E-03	2.22E-04	1.87E-04	1.05E-03	8.55E-04	1.73E-04	1.66E-04	1.29E-04	8.46E-05
920	563469.51	4234787.83	1.29E-03	1.15E-03	2.19E-04	1.85E-04	1.04E-03	8.46E-04	1.71E-04	1.64E-04	1.28E-04	8.38E-05
921	563469.68	4234778.49	1.29E-03	1.15E-03	2.19E-04	1.84E-04	1.04E-03	8.43E-04	1.70E-04	1.63E-04	1.27E-04	8.35E-05
922	563469.85	4234769.15	1.28E-03	1.15E-03	2.18E-04	1.84E-04	1.04E-03	8.40E-04	1.70E-04	1.63E-04	1.27E-04	8.32E-05
923	563470.02	4234759.81	1.28E-03	1.14E-03	2.17E-04	1.83E-04	1.03E-03	8.36E-04	1.69E-04	1.62E-04	1.26E-04	8.28E-05
924	563470.19	4234750.48	1.27E-03	1.13E-03	2.15E-04	1.81E-04	1.02E-03	8.29E-04	1.68E-04	1.61E-04	1.25E-04	8.21E-05
925	563470.36	4234741.14	1.25E-03	1.12E-03	2.12E-04	1.79E-04	1.01E-03	8.19E-04	1.66E-04	1.59E-04	1.24E-04	8.11E-05
926	563470.53	4234731.8	1.24E-03	1.10E-03	2.10E-04	1.77E-04	9.99E-04	8.09E-04	1.64E-04	1.57E-04	1.22E-04	8.02E-05
927	563489.51	4234788.2	1.19E-03	1.06E-03	2.01E-04	1.70E-04	9.57E-04	7.76E-04	1.57E-04	1.50E-04	1.17E-04	7.69E-05
928	563489.68	4234778.86	1.18E-03	1.05E-03	2.00E-04	1.69E-04	9.53E-04	7.73E-04	1.56E-04	1.50E-04	1.17E-04	7.65E-05
929	563489.85	4234769.52	1.18E-03	1.05E-03	2.00E-04	1.68E-04	9.50E-04	7.70E-04	1.56E-04	1.49E-04	1.16E-04	7.62E-05
930	563490.02	4234760.18	1.17E-03	1.04E-03	1.99E-04	1.67E-04	9.45E-04	7.66E-04	1.55E-04	1.49E-04	1.16E-04	7.59E-05
931	563490.19	4234750.84	1.16E-03	1.03E-03	1.97E-04	1.66E-04	9.37E-04	7.59E-04	1.53E-04	1.47E-04	1.15E-04	7.52E-05
932	563490.36	4234741.5	1.15E-03	1.02E-03	1.95E-04	1.64E-04	9.26E-04	7.50E-04	1.52E-04	1.45E-04	1.13E-04	7.43E-05
933	563490.53	4234732.16	1.13E-03	1.01E-03	1.92E-04	1.62E-04	9.15E-04	7.41E-04	1.50E-04	1.44E-04	1.12E-04	7.34E-05
934	563509.67	4234779.22	1.09E-03	9.71E-04	1.85E-04	1.56E-04	8.79E-04	7.12E-04	1.44E-04	1.38E-04	1.08E-04	7.06E-05
935	563509.84	4234769.88	1.08E-03	9.61E-04	1.83E-04	1.54E-04	8.70E-04	7.05E-04	1.42E-04	1.37E-04	1.06E-04	6.98E-05
936	563510.01	4234760.54	1.07E-03	9.50E-04	1.81E-04	1.52E-04	8.60E-04	6.97E-04	1.41E-04	1.35E-04	1.05E-04	6.90E-05
937	563510.18	4234751.2	1.06E-03	9.44E-04	1.80E-04	1.51E-04	8.55E-04	6.93E-04	1.40E-04	1.34E-04	1.05E-04	6.86E-05
938	563510.35	4234741.87	1.06E-03	9.42E-04	1.79E-04	1.51E-04	8.53E-04	6.91E-04	1.40E-04	1.34E-04	1.04E-04	6.85E-05
939	563510.52	4234732.53	1.05E-03	9.40E-04	1.79E-04	1.51E-04	8.51E-04	6.90E-04	1.39E-04	1.34E-04	1.04E-04	6.83E-05
940	563529.16	4234807.6	9.98E-04	8.91E-04	1.69E-04	1.43E-04	8.06E-04	6.53E-04	1.32E-04	1.27E-04	9.86E-05	6.47E-05
941	563529.33	4234798.26	1.00E-03	8.93E-04	1.70E-04	1.43E-04	8.08E-04	6.55E-04	1.32E-04	1.27E-04	9.88E-05	6.49E-05
942	563529.5	4234788.92	1.00E-03	8.94E-04	1.70E-04	1.43E-04	8.10E-04	6.56E-04	1.33E-04	1.27E-04	9.90E-05	6.50E-05
943	563529.67	4234779.58	9.94E-04	8.87E-04	1.69E-04	1.42E-04	8.03E-04	6.51E-04	1.31E-04	1.26E-04	9.82E-05	6.44E-05
944	563529.84	4234770.25	9.83E-04	8.77E-04	1.67E-04	1.41E-04	7.93E-04	6.43E-04	1.30E-04	1.25E-04	9.70E-05	6.37E-05
945	563530.01	4234760.91	9.72E-04	8.67E-04	1.65E-04	1.39E-04	7.85E-04	6.36E-04	1.29E-04	1.23E-04	9.60E-05	6.30E-05
946	563530.18	4234751.57	9.67E-04	8.63E-04	1.64E-04	1.38E-04	7.81E-04	6.33E-04	1.28E-04	1.23E-04	9.55E-05	6.27E-05
947	563530.35	4234742.23	9.68E-04	8.64E-04	1.64E-04	1.38E-04	7.82E-04	6.34E-04	1.28E-04	1.23E-04	9.56E-05	6.27E-05
948	563530.52	4234732.89	9.69E-04	8.64E-04	1.64E-04	1.39E-04	7.82E-04	6.34E-04	1.28E-04	1.23E-04	9.57E-05	6.28E-05
949	563569.15	4234808.33	8.33E-04	7.43E-04	1.41E-04	1.19E-04	6.73E-04	5.45E-04	1.10E-04	1.06E-04	8.23E-05	5.40E-05
950	563569.32	4234798.99	8.36E-04	7.45E-04	1.42E-04	1.19E-04	6.75E-04	5.47E-04	1.10E-04	1.06E-04	8.25E-05	5.42E-05
951	563569.49	4234789.65	8.38E-04	7.47E-04	1.42E-04	1.20E-04	6.76E-04	5.48E-04	1.11E-04	1.06E-04	8.27E-05	5.43E-05
952	563569.66	4234780.31	8.39E-04	7.48E-04	1.42E-04	1.20E-04	6.77E-04	5.49E-04	1.11E-04	1.06E-04	8.28E-05	5.44E-05
953	563569.83	4234770.97	8.40E-04	7.49E-04	1.42E-04	1.20E-04	6.78E-04	5.50E-04	1.11E-04	1.07E-04	8.29E-05	5.44E-05
954	563570	4234761.63	8.42E-04	7.51E-04	1.43E-04	1.20E-04	6.80E-04	5.51E-04	1.11E-04	1.07E-04	8.31E-05	5.46E-05
955	563570.51	4234733.62	8.53E-04	7.61E-04	1.45E-04	1.22E-04	6.89E-04	5.58E-04	1.13E-04	1.08E-04	8.42E-05	5.53E-05
956	563609.32	4234799.72	7.27E-04	6.48E-04	1.23E-04	1.04E-04	5.87E-04	4.76E-04	9.61E-05	9.22E-05	7.18E-05	4.71E-05
957	563609.49	4234790.38	7.21E-04	6.43E-04	1.22E-04	1.03E-04	5.82E-04	4.72E-04	9.53E-05	9.14E-05	7.12E-05	4.67E-05
958	563609.66	4234781.04	7.20E-04	6.42E-04	1.22E-04	1.03E-04	5.81E-04	4.71E-04	9.52E-05	9.13E-05	7.11E-05	4.67E-05
959	563609.83	4234771.7	7.24E-04	6.45E-04	1.23E-04	1.03E-04	5.84E-04	4.73E-04	9.57E-05	9.18E-05	7.15E-05	4.69E-05
960	563610	4234762.36	7.27E-04	6.49E-04	1.23E-04	1.04E-04	5.87E-04	4.76E-04	9.62E-05	9.23E-05	7.18E-05	4.71E-05
961	563610.17	4234753.02	7.32E-04	6.53E-04	1.24E-04	1.05E-04	5.91E-04	4.79E-04	9.68E-05	9.29E-05	7.23E-05	4.75E-05
962	563649.14	4234809.79	6.23E-04	5.56E-04	1.06E-04	8.91E-05	5.03E-04	4.08E-04	8.24E-05	7.90E-05	6.15E-05	4.04E-05

963	563649.31	4234800.45	6.25E-04	5.57E-04	1.06E-04	8.93E-05	5.04E-04	4.09E-04	8.26E-05	7.93E-05	6.17E-05	4.05E-05
964	563649.48	4234791.11	6.27E-04	5.59E-04	1.06E-04	8.97E-05	5.06E-04	4.10E-04	8.29E-05	7.96E-05	6.19E-05	4.06E-05
965	563649.65	4234781.77	6.30E-04	5.62E-04	1.07E-04	9.01E-05	5.09E-04	4.12E-04	8.33E-05	7.99E-05	6.22E-05	4.08E-05
966	563649.82	4234772.43	6.33E-04	5.65E-04	1.07E-04	9.05E-05	5.11E-04	4.14E-04	8.37E-05	8.03E-05	6.25E-05	4.10E-05
967	563649.99	4234763.09	6.37E-04	5.68E-04	1.08E-04	9.11E-05	5.14E-04	4.17E-04	8.42E-05	8.08E-05	6.29E-05	4.13E-05
968	563650.16	4234753.75	6.41E-04	5.72E-04	1.09E-04	9.16E-05	5.17E-04	4.19E-04	8.47E-05	8.13E-05	6.33E-05	4.15E-05
969	563689.3	4234801.17	5.39E-04	4.81E-04	9.15E-05	7.71E-05	4.35E-04	3.53E-04	7.13E-05	6.84E-05	5.32E-05	3.49E-05
970	563689.47	4234791.84	5.42E-04	4.84E-04	9.20E-05	7.76E-05	4.38E-04	3.55E-04	7.17E-05	6.88E-05	5.36E-05	3.51E-05
971	563689.64	4234782.5	5.46E-04	4.87E-04	9.26E-05	7.80E-05	4.41E-04	3.57E-04	7.22E-05	6.92E-05	5.39E-05	3.54E-05
972	563689.81	4234773.16	5.48E-04	4.89E-04	9.30E-05	7.84E-05	4.43E-04	3.59E-04	7.25E-05	6.95E-05	5.41E-05	3.55E-05
973	563689.98	4234763.82	5.51E-04	4.91E-04	9.34E-05	7.88E-05	4.45E-04	3.60E-04	7.28E-05	6.99E-05	5.44E-05	3.57E-05
974	563729.47	4234792.56	4.70E-04	4.19E-04	7.97E-05	6.72E-05	3.79E-04	3.07E-04	6.21E-05	5.96E-05	4.64E-05	3.04E-05
975	563729.64	4234783.22	4.73E-04	4.22E-04	8.03E-05	6.77E-05	3.82E-04	3.10E-04	6.26E-05	6.01E-05	4.67E-05	3.07E-05
976	563729.81	4234773.89	4.75E-04	4.24E-04	8.06E-05	6.80E-05	3.84E-04	3.11E-04	6.28E-05	6.03E-05	4.69E-05	3.08E-05
977	563809.79	4234775.34	3.70E-04	3.30E-04	6.29E-05	5.30E-05	2.99E-04	2.42E-04	4.90E-05	4.70E-05	3.66E-05	2.40E-05
978	563929.26	4234805.54	2.32E-04	2.07E-04	3.94E-05	3.32E-05	1.88E-04	1.52E-04	3.07E-05	2.95E-05	2.29E-05	1.51E-05
979	563929.77	4234777.53	2.51E-04	2.24E-04	4.26E-05	3.59E-05	2.03E-04	1.64E-04	3.32E-05	3.19E-05	2.48E-05	1.63E-05
980	563929.94	4234768.19	2.56E-04	2.28E-04	4.34E-05	3.66E-05	2.07E-04	1.68E-04	3.38E-05	3.25E-05	2.53E-05	1.66E-05
981	563930.11	4234758.85	2.61E-04	2.33E-04	4.42E-05	3.73E-05	2.11E-04	1.71E-04	3.45E-05	3.31E-05	2.58E-05	1.69E-05
982	563930.28	4234749.51	2.68E-04	2.39E-04	4.55E-05	3.83E-05	2.16E-04	1.75E-04	3.54E-05	3.40E-05	2.65E-05	1.74E-05
983	563251.13	4234712.87	1.27E-02	1.13E-02	2.15E-03	1.81E-03	1.02E-02	8.30E-03	1.68E-03	1.61E-03	1.25E-03	8.22E-04
984	563251.71	4234697.55	1.14E-02	1.02E-02	1.94E-03	1.63E-03	9.21E-03	7.47E-03	1.51E-03	1.45E-03	1.13E-03	7.39E-04
985	563261.12	4234713.24	9.69E-03	8.65E-03	1.64E-03	1.39E-03	7.83E-03	6.34E-03	1.28E-03	1.23E-03	9.57E-04	6.28E-04
986	563261.7	4234697.93	8.77E-03	7.82E-03	1.49E-03	1.25E-03	7.08E-03	5.74E-03	1.16E-03	1.11E-03	8.66E-04	5.68E-04
987	563271.12	4234713.62	7.71E-03	6.87E-03	1.31E-03	1.10E-03	6.22E-03	5.04E-03	1.02E-03	9.78E-04	7.61E-04	4.99E-04
988	563271.69	4234698.3	7.03E-03	6.27E-03	1.19E-03	1.01E-03	5.68E-03	4.60E-03	9.30E-04	8.93E-04	6.95E-04	4.56E-04
989	563281.11	4234713.99	6.31E-03	5.63E-03	1.07E-03	9.03E-04	5.10E-03	4.13E-03	8.35E-04	8.01E-04	6.23E-04	4.09E-04
990	563281.68	4234698.68	5.79E-03	5.16E-03	9.82E-04	8.28E-04	4.67E-03	3.79E-03	7.65E-04	7.34E-04	5.72E-04	3.75E-04
991	563291.1	4234714.37	5.30E-03	4.73E-03	8.99E-04	7.58E-04	4.28E-03	3.47E-03	7.01E-04	6.73E-04	5.23E-04	3.44E-04
992	563291.68	4234699.05	4.88E-03	4.35E-03	8.28E-04	6.98E-04	3.94E-03	3.19E-03	6.45E-04	6.19E-04	4.82E-04	3.16E-04
993	563301.1	4234714.74	4.55E-03	4.06E-03	7.71E-04	6.50E-04	3.67E-03	2.97E-03	6.01E-04	5.77E-04	4.49E-04	2.95E-04
994	563301.67	4234699.43	4.20E-03	3.75E-03	7.13E-04	6.01E-04	3.39E-03	2.75E-03	5.55E-04	5.33E-04	4.15E-04	2.72E-04
995	563311.09	4234715.12	3.96E-03	3.53E-03	6.72E-04	5.66E-04	3.20E-03	2.59E-03	5.24E-04	5.03E-04	3.91E-04	2.57E-04
996	563311.66	4234699.8	3.69E-03	3.29E-03	6.26E-04	5.28E-04	2.98E-03	2.41E-03	4.88E-04	4.68E-04	3.64E-04	2.39E-04
997	563321.08	4234715.49	3.50E-03	3.12E-03	5.94E-04	5.00E-04	2.82E-03	2.29E-03	4.63E-04	4.44E-04	3.45E-04	2.27E-04
998	563321.66	4234700.18	3.29E-03	2.93E-03	5.58E-04	4.70E-04	2.65E-03	2.15E-03	4.35E-04	4.17E-04	3.25E-04	2.13E-04
999	563331.07	4234715.87	3.13E-03	2.79E-03	5.30E-04	4.47E-04	2.52E-03	2.05E-03	4.13E-04	3.97E-04	3.09E-04	2.03E-04
1000	563331.65	4234700.55	2.96E-03	2.64E-03	5.02E-04	4.23E-04	2.39E-03	1.94E-03	3.91E-04	3.76E-04	2.92E-04	1.92E-04
1001	563351.06	4234716.62	2.58E-03	2.30E-03	4.38E-04	3.69E-04	2.09E-03	1.69E-03	3.42E-04	3.28E-04	2.55E-04	1.67E-04
1002	563351.64	4234701.3	2.47E-03	2.20E-03	4.19E-04	3.53E-04	1.99E-03	1.61E-03	3.26E-04	3.13E-04	2.44E-04	1.60E-04
1003	563371.05	4234717.37	2.19E-03	1.96E-03	3.72E-04	3.14E-04	1.77E-03	1.44E-03	2.90E-04	2.79E-04	2.17E-04	1.42E-04
1004	563371.62	4234702.05	2.10E-03	1.88E-03	3.57E-04	3.01E-04	1.70E-03	1.38E-03	2.78E-04	2.67E-04	2.08E-04	1.36E-04
1005	563391.03	4234718.12	1.90E-03	1.69E-03	3.22E-04	2.71E-04	1.53E-03	1.24E-03	2.51E-04	2.41E-04	1.87E-04	1.23E-04
1006	563391.61	4234702.8	1.81E-03	1.62E-03	3.08E-04	2.59E-04	1.46E-03	1.19E-03	2.40E-04	2.30E-04	1.79E-04	1.18E-04
1007	563411.02	4234718.87	1.68E-03	1.50E-03	2.85E-04	2.40E-04	1.36E-03	1.10E-03	2.22E-04	2.13E-04	1.66E-04	1.09E-04
1008	563411.59	4234703.55	1.62E-03	1.45E-03	2.75E-04	2.32E-04	1.31E-03	1.06E-03	2.15E-04	2.06E-04	1.60E-04	1.05E-04
1009	563431	4234719.62	1.50E-03	1.34E-03	2.55E-04	2.15E-04	1.21E-03	9.82E-04	1.98E-04	1.90E-04	1.48E-04	9.72E-05
1010	563431.58	4234704.3	1.47E-03	1.31E-03	2.49E-04	2.10E-04	1.18E-03	9.59E-04	1.94E-04	1.86E-04	1.45E-04	9.50E-05
1011	563450.99	4234720.37	1.35E-03	1.20E-03	2.29E-04	1.93E-04	1.09E-03	8.83E-04	1.78E-04	1.71E-04	1.33E-04	8.74E-05
1012	563451.57	4234705.05	1.32E-03	1.18E-03	2.25E-04	1.89E-04	1.07E-03	8.66E-04	1.75E-04	1.68E-04	1.31E-04	8.58E-05
1013	563470.98	4234721.12	1.22E-03	1.09E-03	2.07E-04	1.75E-04	9.86E-04	7.99E-04	1.62E-04	1.55E-04	1.21E-04	7.92E-05
1014	563471.55	4234705.8	1.20E-03	1.07E-03	2.04E-04	1.72E-04	9.72E-04	7.88E-04	1.59E-04	1.53E-04	1.19E-04	7.81E-05
1015	563490.96	4234721.87	1.12E-03	1.00E-03	1.90E-04	1.60E-04	9.05E-04	7.34E-04	1.48E-04	1.42E-04	1.11E-04	7.26E-05
1016	563491.54	4234706.55	1.11E-03	9.91E-04	1.89E-04	1.59E-04	8.97E-04	7.27E-04	1.47E-04	1.41E-04	1.10E-04	7.20E-05
1017	563510.95	4234722.62	1.05E-03	9.37E-04	1.78E-04	1.50E-04	8.48E-04	6.88E-04	1.39E-04	1.33E-04	1.04E-04	6.81E-05
1018	563511.52	4234707.31	1.05E-03	9.34E-04	1.78E-04	1.50E-04	8.45E-04	6.85E-04	1.38E-04	1.33E-04	1.03E-04	6.78E-05
1019	563530.93	4234723.37	9.69E-04	8.64E-04	1.64E-04	1.39E-04	7.82E-04	6.34E-04	1.28E-04	1.23E-04	9.57E-05	6.28E-05
1020	563531.51	4234708.06	9.68E-04	8.64E-04	1.64E-04	1.38E-04	7.82E-04	6.34E-04	1.28E-04	1.23E-04	9.56E-05	6.27E-05
1021	563571.19	4234717.21	8.60E-04	7.67E-04	1.46E-04	1.23E-04	6.94E-04	5.63E-04	1.14E-04	1.09E-04	8.49E-05	5.57E-05
1022	563611.16	4234718.71	7.58E-04	6.76E-04	1.29E-04	1.08E-04	6.12E-04	4.96E-04	1.00E-04	9.62E-05	7.49E-05	4.91E-05
1023	563690.25	4234744.69	5.59E-04	4.99E-04	9.48E-05	7.99E-05	4.51E-04	3.66E-04	7.39E-05	7.09E-05	5.52E-05	3.62E-05
1024	563251.72	4234681.86	1.00E-02	8.96E-03	1.70E-03	1.44E-03	8.11E-03	6.57E-03	1.33E-03	1.27E-03	9.92E-04	6.51E-04
1025	563261.72	4234681.86	7.81E-03	6.96E-03	1.32E-03	1.12E-03	6.30E-03	5.11E-03	1.03E-03	9.90E-04	7.71E-04	5.06E-04
1026	563271.72	4234689.33	6.64E-03	5.93E-03	1.13E-03	9.50E-04	5.36E-03	4.35E-03	8.79E-04	8.43E-04	6.56E-04	4.31E-04
1027	563281.72	4234689.33	5.50E-03	4.90E-03	9.33E-04	7.86E-04	4.44E-03	3.60E-03	7.27E-04	6.97E-04	5.43E-04	3.56E-04
1028	563291.72	4234689.33	4.66E-03	4.16E-03	7.91E-04	6.66E-04	3.76E-03	3.05E-03	6.16E-04	5.91E-04	4.60E-04	3.02E-04
1029	563301.72	4234689.33	4.03E-03	3.59E-03	6.83E-04	5.76E-04	3.25E-03	2.64E-03	5.33E-04	5.11E-04	3.98E-04	2.61E-04
1030	563311.72	4234689.33	3.55E-03	3.17E-03	6.02E-04	5.08E-04	2.87E-03	2.32E-03	4.69E-04	4.50E-04	3.51E-04	2.30E-04
1031	563321.72	4234689.33	3.17E-03	2.83E-03	5.38E-04	4.53E-04	2.56E-03	2.07E-03	4.19E-04	4.02E-04	3.13E-04	2.05E-04

1032	563331.72	4234689.33	2.86E-03	2.55E-03	4.86E-04	4.09E-04	2.31E-03	1.87E-03	3.78E-04	3.63E-04	2.83E-04	1.85E-04
1033	563351.72	4234689.33	2.38E-03	2.13E-03	4.04E-04	3.41E-04	1.92E-03	1.56E-03	3.15E-04	3.02E-04	2.35E-04	1.54E-04
1034	563371.72	4234689.33	2.03E-03	1.81E-03	3.45E-04	2.90E-04	1.64E-03	1.33E-03	2.69E-04	2.58E-04	2.01E-04	1.32E-04
1035	563391.72	4234689.33	1.76E-03	1.57E-03	2.98E-04	2.51E-04	1.42E-03	1.15E-03	2.32E-04	2.23E-04	1.74E-04	1.14E-04
1036	563411.72	4234689.33	1.57E-03	1.40E-03	2.67E-04	2.25E-04	1.27E-03	1.03E-03	2.08E-04	2.00E-04	1.55E-04	1.02E-04
1037	563431.72	4234689.33	1.43E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.33E-04	1.89E-04	1.81E-04	1.41E-04	9.24E-05
1038	563451.72	4234689.33	1.30E-03	1.16E-03	2.20E-04	1.86E-04	1.05E-03	8.50E-04	1.72E-04	1.65E-04	1.28E-04	8.42E-05
1039	563471.72	4234696.8	1.19E-03	1.07E-03	2.03E-04	1.71E-04	9.64E-04	7.82E-04	1.58E-04	1.52E-04	1.18E-04	7.74E-05
1040	563471.72	4234681.86	1.18E-03	1.05E-03	2.00E-04	1.68E-04	9.51E-04	7.70E-04	1.56E-04	1.49E-04	1.16E-04	7.63E-05
1041	563491.72	4234696.8	1.10E-03	9.85E-04	1.87E-04	1.58E-04	8.92E-04	7.23E-04	1.46E-04	1.40E-04	1.09E-04	7.16E-05
1042	563491.72	4234681.86	1.09E-03	9.70E-04	1.85E-04	1.56E-04	8.78E-04	7.12E-04	1.44E-04	1.38E-04	1.07E-04	7.05E-05
1043	563511.72	4234696.8	1.04E-03	9.30E-04	1.77E-04	1.49E-04	8.42E-04	6.83E-04	1.38E-04	1.32E-04	1.03E-04	6.76E-05
1044	563511.72	4234681.86	1.02E-03	9.08E-04	1.73E-04	1.46E-04	8.22E-04	6.66E-04	1.35E-04	1.29E-04	1.01E-04	6.60E-05
1045	563531.72	4234696.8	9.67E-04	8.63E-04	1.64E-04	1.38E-04	7.81E-04	6.33E-04	1.28E-04	1.23E-04	9.55E-05	6.27E-05
1046	563531.72	4234681.86	9.56E-04	8.53E-04	1.62E-04	1.37E-04	7.72E-04	6.26E-04	1.26E-04	1.21E-04	9.44E-05	6.20E-05
1047	563571.6	4234703.18	8.65E-04	7.71E-04	1.47E-04	1.24E-04	6.98E-04	5.66E-04	1.14E-04	1.10E-04	8.54E-05	5.60E-05
1048	563571.72	4234689.33	8.68E-04	7.74E-04	1.47E-04	1.24E-04	7.01E-04	5.68E-04	1.15E-04	1.10E-04	8.57E-05	5.63E-05
1049	563611.59	4234703.93	7.68E-04	6.85E-04	1.30E-04	1.10E-04	6.20E-04	5.03E-04	1.02E-04	9.75E-05	7.59E-05	4.98E-05
1050	563611.72	4234689.33	7.74E-04	6.90E-04	1.31E-04	1.11E-04	6.25E-04	5.07E-04	1.02E-04	9.82E-05	7.64E-05	5.02E-05
1051	563651.62	4234702.05	6.69E-04	5.97E-04	1.14E-04	9.57E-05	5.40E-04	4.38E-04	8.85E-05	8.49E-05	6.61E-05	4.34E-05
1052	563651.72	4234689.33	6.76E-04	6.03E-04	1.15E-04	9.66E-05	5.46E-04	4.42E-04	8.94E-05	8.57E-05	6.67E-05	4.38E-05
1053	563691.72	4234696.8	5.87E-04	5.24E-04	9.96E-05	8.39E-05	4.74E-04	3.84E-04	7.76E-05	7.45E-05	5.80E-05	3.80E-05
1054	563691.72	4234681.86	5.95E-04	5.31E-04	1.01E-04	8.52E-05	4.81E-04	3.90E-04	7.87E-05	7.56E-05	5.88E-05	3.86E-05
1055	563731.72	4234689.33	5.18E-04	4.62E-04	8.79E-05	7.41E-05	4.18E-04	3.39E-04	6.85E-05	6.57E-05	5.11E-05	3.36E-05
1056	563811.72	4234696.8	4.16E-04	3.71E-04	7.06E-05	5.95E-05	3.36E-04	2.72E-04	5.50E-05	5.28E-05	4.11E-05	2.70E-05
1057	563261.72	4234670.57	7.18E-03	6.41E-03	1.22E-03	1.03E-03	5.80E-03	4.70E-03	9.50E-04	9.12E-04	7.09E-04	4.66E-04
1058	563271.72	4234676.21	6.10E-03	5.44E-03	1.04E-03	8.72E-04	4.93E-03	3.99E-03	8.07E-04	7.74E-04	6.02E-04	3.95E-04
1059	563281.72	4234676.21	5.12E-03	4.57E-03	8.69E-04	7.33E-04	4.14E-03	3.35E-03	6.77E-04	6.50E-04	5.06E-04	3.32E-04
1060	563291.72	4234676.21	4.40E-03	3.92E-03	7.46E-04	6.29E-04	3.55E-03	2.88E-03	5.81E-04	5.58E-04	4.34E-04	2.85E-04
1061	563301.72	4234676.21	3.84E-03	3.42E-03	6.51E-04	5.49E-04	3.10E-03	2.51E-03	5.07E-04	4.87E-04	3.79E-04	2.49E-04
1062	563311.72	4234676.21	3.40E-03	3.03E-03	5.77E-04	4.86E-04	2.75E-03	2.22E-03	4.50E-04	4.31E-04	3.36E-04	2.20E-04
1063	563321.72	4234676.21	3.05E-03	2.72E-03	5.17E-04	4.36E-04	2.46E-03	1.99E-03	4.03E-04	3.87E-04	3.01E-04	1.98E-04
1064	563331.72	4234676.21	2.76E-03	2.46E-03	4.68E-04	3.95E-04	2.23E-03	1.81E-03	3.65E-04	3.50E-04	2.73E-04	1.79E-04
1065	563351.72	4234676.21	2.30E-03	2.05E-03	3.89E-04	3.28E-04	1.85E-03	1.50E-03	3.04E-04	2.91E-04	2.27E-04	1.49E-04
1066	563371.72	4234676.21	1.96E-03	1.75E-03	3.33E-04	2.80E-04	1.58E-03	1.28E-03	2.59E-04	2.49E-04	1.94E-04	1.27E-04
1067	563391.72	4234676.21	1.71E-03	1.53E-03	2.90E-04	2.45E-04	1.38E-03	1.12E-03	2.26E-04	2.17E-04	1.69E-04	1.11E-04
1068	563411.72	4234676.21	1.53E-03	1.36E-03	2.59E-04	2.18E-04	1.23E-03	1.00E-03	2.02E-04	1.94E-04	1.51E-04	9.90E-05
1069	563431.72	4234676.21	1.39E-03	1.24E-03	2.35E-04	1.98E-04	1.12E-03	9.07E-04	1.83E-04	1.76E-04	1.37E-04	8.98E-05
1070	563451.72	4234676.21	1.28E-03	1.14E-03	2.16E-04	1.82E-04	1.03E-03	8.35E-04	1.69E-04	1.62E-04	1.26E-04	8.27E-05
1071	563471.72	4234670.57	1.16E-03	1.04E-03	1.97E-04	1.66E-04	9.38E-04	7.60E-04	1.54E-04	1.47E-04	1.15E-04	7.53E-05
1072	563491.72	4234670.57	1.07E-03	9.56E-04	1.82E-04	1.53E-04	8.66E-04	7.02E-04	1.42E-04	1.36E-04	1.06E-04	6.95E-05
1073	563511.72	4234670.57	9.96E-04	8.89E-04	1.69E-04	1.43E-04	8.05E-04	6.52E-04	1.32E-04	1.26E-04	9.84E-05	6.46E-05
1074	563531.72	4234670.57	9.45E-04	8.43E-04	1.60E-04	1.35E-04	7.63E-04	6.18E-04	1.25E-04	1.20E-04	9.33E-05	6.12E-05
1075	563571.72	4234676.21	8.69E-04	7.75E-04	1.47E-04	1.24E-04	7.01E-04	5.69E-04	1.15E-04	1.10E-04	8.58E-05	5.63E-05
1076	563611.72	4234676.21	7.78E-04	6.94E-04	1.32E-04	1.11E-04	6.28E-04	5.09E-04	1.03E-04	9.87E-05	7.68E-05	5.04E-05
1077	563651.72	4234676.21	6.82E-04	6.08E-04	1.16E-04	9.75E-05	5.50E-04	4.46E-04	9.02E-05	8.65E-05	6.73E-05	4.42E-05
1078	563261.53	4234654.69	6.51E-03	5.81E-03	1.11E-03	9.31E-04	5.26E-03	4.26E-03	8.61E-04	8.26E-04	6.43E-04	4.22E-04
1079	563271.62	4234662.33	5.64E-03	5.03E-03	9.57E-04	8.06E-04	4.55E-03	3.69E-03	7.46E-04	7.16E-04	5.57E-04	3.65E-04
1080	563281.62	4234662.2	4.80E-03	4.28E-03	8.14E-04	6.86E-04	3.87E-03	3.14E-03	6.35E-04	6.09E-04	4.74E-04	3.11E-04
1081	563291.62	4234662.08	4.16E-03	3.71E-03	7.06E-04	5.95E-04	3.36E-03	2.72E-03	5.50E-04	5.28E-04	4.11E-04	2.70E-04
1082	563301.62	4234661.96	3.66E-03	3.26E-03	6.21E-04	5.23E-04	2.95E-03	2.39E-03	4.84E-04	4.64E-04	3.61E-04	2.37E-04
1083	563311.62	4234661.84	3.26E-03	2.91E-03	5.53E-04	4.66E-04	2.63E-03	2.13E-03	4.31E-04	4.13E-04	3.22E-04	2.11E-04
1084	563321.62	4234661.71	2.93E-03	2.61E-03	4.97E-04	4.19E-04	2.36E-03	1.92E-03	3.87E-04	3.72E-04	2.89E-04	1.90E-04
1085	563331.62	4234661.59	2.66E-03	2.37E-03	4.51E-04	3.80E-04	2.15E-03	1.74E-03	3.51E-04	3.37E-04	2.62E-04	1.72E-04
1086	563351.62	4234661.35	2.21E-03	1.97E-03	3.74E-04	3.16E-04	1.78E-03	1.44E-03	2.92E-04	2.80E-04	2.18E-04	1.43E-04
1087	563371.61	4234661.1	1.89E-03	1.68E-03	3.20E-04	2.70E-04	1.52E-03	1.23E-03	2.50E-04	2.39E-04	1.86E-04	1.22E-04
1088	563391.61	4234660.86	1.66E-03	1.48E-03	2.81E-04	2.37E-04	1.34E-03	1.08E-03	2.19E-04	2.10E-04	1.64E-04	1.07E-04
1089	563411.61	4234660.61	1.48E-03	1.32E-03	2.50E-04	2.11E-04	1.19E-03	9.66E-04	1.95E-04	1.87E-04	1.46E-04	9.57E-05
1090	563278.38	4234602.75	4.09E-03	3.65E-03	6.94E-04	5.85E-04	3.30E-03	2.68E-03	5.41E-04	5.19E-04	4.04E-04	2.65E-04
1091	563291.46	4234604.8	3.47E-03	3.10E-03	5.89E-04	4.96E-04	2.80E-03	2.27E-03	4.59E-04	4.40E-04	3.43E-04	2.25E-04
1092	563285.62	4234595.86	3.66E-03	3.26E-03	6.20E-04	5.23E-04	2.95E-03	2.39E-03	4.83E-04	4.64E-04	3.61E-04	2.37E-04
1093	563298.76	4234598.06	3.13E-03	2.79E-03	5.31E-04	4.48E-04	2.53E-03	2.05E-03	4.14E-04	3.97E-04	3.09E-04	2.03E-04
1094	563302.9	4234608.22	3.06E-03	2.73E-03	5.19E-04	4.38E-04	2.47E-03	2.00E-03	4.05E-04	3.88E-04	3.02E-04	1.98E-04
1095	563292.86	4234588.96	3.29E-03	2.94E-03	5.59E-04	4.71E-04	2.66E-03	2.15E-03	4.35E-04	4.18E-04	3.25E-04	2.13E-04
1096	563305.9	4234590.92	2.84E-03	2.53E-03	4.82E-04	4.06E-04	2.29E-03	1.86E-03	3.75E-04	3.60E-04	2.80E-04	1.84E-04
1097	563309.84	4234600.6	2.77E-03	2.47E-03	4.70E-04	3.96E-04	2.24E-03	1.81E-03	3.66E-04	3.51E-04	2.73E-04	1.79E-04
1098	563300.1	4234582.06	2.98E-03	2.66E-03	5.06E-04	4.27E-04	2.41E-03	1.95E-03	3.95E-04	3.79E-04	2.95E-04	1.93E-04
1099	563320.48	4234577.37	2.35E-03	2.09E-03	3.98E-04	3.36E-04	1.90E-03	1.54E-03	3.10E-04	2.98E-04	2.32E-04	1.52E-04
1100	563324.62	4234587.53	2.29E-03	2.04E-03	3.89E-04	3.28E-04	1.85E-03	1.50E-03	3.03E-04	2.91E-04	2.26E-04	1.48E-04

1101	563328.76	4234597.69	2.25E-03	2.01E-03	3.81E-04	3.21E-04	1.81E-03	1.47E-03	2.97E-04	2.85E-04	2.22E-04	1.46E-04
1102	563332.9	4234607.86	2.22E-03	1.98E-03	3.76E-04	3.17E-04	1.79E-03	1.45E-03	2.93E-04	2.81E-04	2.19E-04	1.44E-04
1103	563314.58	4234568.27	2.46E-03	2.19E-03	4.17E-04	3.51E-04	1.98E-03	1.61E-03	3.25E-04	3.12E-04	2.43E-04	1.59E-04
1104	563334.92	4234563.48	1.97E-03	1.76E-03	3.34E-04	2.82E-04	1.59E-03	1.29E-03	2.60E-04	2.50E-04	1.94E-04	1.28E-04
1105	563338.99	4234573.47	1.93E-03	1.72E-03	3.28E-04	2.76E-04	1.56E-03	1.26E-03	2.56E-04	2.45E-04	1.91E-04	1.25E-04
1106	563343.06	4234583.45	1.90E-03	1.70E-03	3.22E-04	2.72E-04	1.53E-03	1.24E-03	2.51E-04	2.41E-04	1.88E-04	1.23E-04
1107	563347.12	4234593.44	1.88E-03	1.67E-03	3.18E-04	2.68E-04	1.51E-03	1.23E-03	2.48E-04	2.38E-04	1.85E-04	1.22E-04
1108	563351.19	4234603.42	1.86E-03	1.66E-03	3.16E-04	2.66E-04	1.50E-03	1.22E-03	2.46E-04	2.36E-04	1.84E-04	1.21E-04
1109	563329.06	4234554.47	2.06E-03	1.83E-03	3.49E-04	2.94E-04	1.66E-03	1.35E-03	2.72E-04	2.61E-04	2.03E-04	1.33E-04
1110	563349.38	4234549.62	1.69E-03	1.51E-03	2.87E-04	2.42E-04	1.36E-03	1.11E-03	2.23E-04	2.14E-04	1.67E-04	1.09E-04
1111	563353.39	4234559.48	1.66E-03	1.48E-03	2.81E-04	2.37E-04	1.34E-03	1.08E-03	2.19E-04	2.10E-04	1.64E-04	1.07E-04
1112	563357.4	4234569.33	1.63E-03	1.45E-03	2.76E-04	2.33E-04	1.32E-03	1.07E-03	2.15E-04	2.07E-04	1.61E-04	1.06E-04
1113	563361.42	4234579.19	1.61E-03	1.44E-03	2.73E-04	2.30E-04	1.30E-03	1.05E-03	2.13E-04	2.04E-04	1.59E-04	1.04E-04
1114	563365.43	4234589.04	1.60E-03	1.43E-03	2.71E-04	2.28E-04	1.29E-03	1.05E-03	2.11E-04	2.03E-04	1.58E-04	1.04E-04
1115	563369.44	4234598.9	1.59E-03	1.42E-03	2.70E-04	2.28E-04	1.29E-03	1.04E-03	2.11E-04	2.02E-04	1.57E-04	1.03E-04
1116	563373.46	4234608.75	1.60E-03	1.42E-03	2.71E-04	2.28E-04	1.29E-03	1.04E-03	2.11E-04	2.02E-04	1.58E-04	1.03E-04
1117	563343.54	4234540.67	1.76E-03	1.57E-03	2.99E-04	2.52E-04	1.42E-03	1.15E-03	2.33E-04	2.24E-04	1.74E-04	1.14E-04
1118	563363.92	4234535.98	1.48E-03	1.32E-03	2.50E-04	2.11E-04	1.19E-03	9.65E-04	1.95E-04	1.87E-04	1.46E-04	9.56E-05
1119	563368.06	4234546.14	1.44E-03	1.29E-03	2.45E-04	2.06E-04	1.16E-03	9.44E-04	1.91E-04	1.83E-04	1.42E-04	9.35E-05
1120	563372.2	4234556.31	1.42E-03	1.27E-03	2.41E-04	2.03E-04	1.15E-03	9.28E-04	1.88E-04	1.80E-04	1.40E-04	9.19E-05
1121	563376.34	4234566.47	1.40E-03	1.25E-03	2.38E-04	2.01E-04	1.13E-03	9.18E-04	1.85E-04	1.78E-04	1.38E-04	9.09E-05
1122	563380.48	4234576.63	1.39E-03	1.24E-03	2.36E-04	1.99E-04	1.13E-03	9.12E-04	1.84E-04	1.77E-04	1.38E-04	9.03E-05
1123	563384.61	4234586.79	1.39E-03	1.24E-03	2.36E-04	1.99E-04	1.12E-03	9.11E-04	1.84E-04	1.77E-04	1.37E-04	9.02E-05
1124	563388.75	4234596.96	1.39E-03	1.24E-03	2.37E-04	1.99E-04	1.13E-03	9.13E-04	1.84E-04	1.77E-04	1.38E-04	9.04E-05
1125	563392.89	4234607.12	1.40E-03	1.25E-03	2.38E-04	2.00E-04	1.13E-03	9.17E-04	1.85E-04	1.78E-04	1.38E-04	9.08E-05
1126	563358.02	4234526.88	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.01E-03	2.04E-04	1.95E-04	1.52E-04	9.98E-05
1127	563378.38	4234522.12	1.31E-03	1.17E-03	2.22E-04	1.87E-04	1.06E-03	8.58E-04	1.73E-04	1.66E-04	1.29E-04	8.49E-05
1128	563382.46	4234532.16	1.28E-03	1.14E-03	2.17E-04	1.83E-04	1.03E-03	8.37E-04	1.69E-04	1.62E-04	1.26E-04	8.29E-05
1129	563386.55	4234542.2	1.25E-03	1.12E-03	2.13E-04	1.79E-04	1.01E-03	8.20E-04	1.66E-04	1.59E-04	1.24E-04	8.12E-05
1130	563390.64	4234552.23	1.24E-03	1.10E-03	2.10E-04	1.77E-04	9.98E-04	8.09E-04	1.64E-04	1.57E-04	1.22E-04	8.01E-05
1131	563394.73	4234562.27	1.23E-03	1.10E-03	2.08E-04	1.76E-04	9.92E-04	8.04E-04	1.62E-04	1.56E-04	1.21E-04	7.96E-05
1132	563398.81	4234572.31	1.23E-03	1.09E-03	2.08E-04	1.75E-04	9.91E-04	8.03E-04	1.62E-04	1.56E-04	1.21E-04	7.95E-05
1133	563402.9	4234582.35	1.23E-03	1.10E-03	2.09E-04	1.76E-04	9.94E-04	8.05E-04	1.63E-04	1.56E-04	1.22E-04	7.97E-05
1134	563406.99	4234592.38	1.24E-03	1.11E-03	2.11E-04	1.77E-04	1.00E-03	8.12E-04	1.64E-04	1.57E-04	1.23E-04	8.04E-05
1135	563411.08	4234602.42	1.26E-03	1.12E-03	2.13E-04	1.80E-04	1.01E-03	8.22E-04	1.66E-04	1.59E-04	1.24E-04	8.14E-05
1136	563415.16	4234612.46	1.27E-03	1.14E-03	2.16E-04	1.82E-04	1.03E-03	8.33E-04	1.68E-04	1.62E-04	1.26E-04	8.25E-05
1137	563372.5	4234513.08	1.37E-03	1.22E-03	2.32E-04	1.95E-04	1.10E-03	8.94E-04	1.81E-04	1.73E-04	1.35E-04	8.86E-05
1138	563392.91	4234508.45	1.18E-03	1.05E-03	2.00E-04	1.69E-04	9.53E-04	7.73E-04	1.56E-04	1.50E-04	1.17E-04	7.65E-05
1139	563397.09	4234518.73	1.15E-03	1.03E-03	1.95E-04	1.65E-04	9.30E-04	7.53E-04	1.52E-04	1.46E-04	1.14E-04	7.46E-05
1140	563401.28	4234529.01	1.12E-03	1.00E-03	1.91E-04	1.61E-04	9.08E-04	7.36E-04	1.49E-04	1.43E-04	1.11E-04	7.29E-05
1141	563405.46	4234539.29	1.11E-03	9.88E-04	1.88E-04	1.58E-04	8.94E-04	7.25E-04	1.46E-04	1.41E-04	1.09E-04	7.18E-05
1142	563409.65	4234549.57	1.10E-03	9.81E-04	1.86E-04	1.57E-04	8.87E-04	7.19E-04	1.45E-04	1.39E-04	1.09E-04	7.12E-05
1143	563413.84	4234559.85	1.10E-03	9.78E-04	1.86E-04	1.57E-04	8.85E-04	7.17E-04	1.45E-04	1.39E-04	1.08E-04	7.10E-05
1144	563418.02	4234570.13	1.10E-03	9.78E-04	1.86E-04	1.57E-04	8.85E-04	7.17E-04	1.45E-04	1.39E-04	1.08E-04	7.10E-05
1145	563422.21	4234580.41	1.10E-03	9.84E-04	1.87E-04	1.58E-04	8.91E-04	7.22E-04	1.46E-04	1.40E-04	1.09E-04	7.15E-05
1146	563426.4	4234590.69	1.12E-03	1.00E-03	1.90E-04	1.60E-04	9.06E-04	7.34E-04	1.48E-04	1.42E-04	1.11E-04	7.27E-05
1147	563430.58	4234600.97	1.14E-03	1.02E-03	1.94E-04	1.63E-04	9.22E-04	7.48E-04	1.51E-04	1.45E-04	1.13E-04	7.40E-05
1148	563434.77	4234611.25	1.16E-03	1.03E-03	1.97E-04	1.66E-04	9.36E-04	7.59E-04	1.53E-04	1.47E-04	1.15E-04	7.51E-05
1149	563386.98	4234499.29	1.23E-03	1.10E-03	2.09E-04	1.76E-04	9.93E-04	8.05E-04	1.63E-04	1.56E-04	1.21E-04	7.97E-05
1150	563407.36	4234494.59	1.06E-03	9.47E-04	1.80E-04	1.52E-04	8.57E-04	6.95E-04	1.40E-04	1.35E-04	1.05E-04	6.88E-05
1151	563411.5	4234504.76	1.04E-03	9.24E-04	1.76E-04	1.48E-04	8.36E-04	6.78E-04	1.37E-04	1.31E-04	1.02E-04	6.71E-05
1152	563415.64	4234514.92	1.02E-03	9.07E-04	1.72E-04	1.45E-04	8.21E-04	6.65E-04	1.34E-04	1.29E-04	1.00E-04	6.59E-05
1153	563419.78	4234525.08	1.00E-03	8.94E-04	1.70E-04	1.43E-04	8.09E-04	6.56E-04	1.32E-04	1.27E-04	9.89E-05	6.49E-05
1154	563423.92	4234535.24	9.95E-04	8.88E-04	1.69E-04	1.42E-04	8.04E-04	6.51E-04	1.32E-04	1.26E-04	9.83E-05	6.45E-05
1155	563428.06	4234545.41	9.97E-04	8.89E-04	1.69E-04	1.43E-04	8.05E-04	6.52E-04	1.32E-04	1.26E-04	9.84E-05	6.46E-05
1156	563432.19	4234555.57	9.96E-04	8.88E-04	1.69E-04	1.42E-04	8.04E-04	6.52E-04	1.32E-04	1.26E-04	9.83E-05	6.45E-05
1157	563436.33	4234565.73	9.99E-04	8.91E-04	1.69E-04	1.43E-04	8.06E-04	6.54E-04	1.32E-04	1.27E-04	9.86E-05	6.47E-05
1158	563401.46	4234485.49	1.11E-03	9.87E-04	1.88E-04	1.58E-04	8.94E-04	7.24E-04	1.46E-04	1.40E-04	1.09E-04	7.17E-05
1159	563421.82	4234480.75	9.61E-04	8.57E-04	1.63E-04	1.37E-04	7.76E-04	6.29E-04	1.27E-04	1.22E-04	9.49E-05	6.23E-05
1160	563425.92	4234490.81	9.39E-04	8.38E-04	1.59E-04	1.34E-04	7.58E-04	6.14E-04	1.24E-04	1.19E-04	9.27E-05	6.09E-05
1161	563430.02	4234500.88	9.26E-04	8.26E-04	1.57E-04	1.32E-04	7.47E-04	6.06E-04	1.22E-04	1.17E-04	9.14E-05	6.00E-05
1162	563434.12	4234510.95	9.20E-04	8.21E-04	1.56E-04	1.32E-04	7.43E-04	6.02E-04	1.22E-04	1.17E-04	9.09E-05	5.97E-05
1163	563438.22	4234521.01	9.20E-04	8.20E-04	1.56E-04	1.32E-04	7.43E-04	6.02E-04	1.22E-04	1.17E-04	9.08E-05	5.96E-05
1164	563442.32	4234531.08	9.19E-04	8.20E-04	1.56E-04	1.31E-04	7.42E-04	6.01E-04	1.22E-04	1.17E-04	9.07E-05	5.95E-05
1165	563415.94	4234471.69	1.00E-03	8.93E-04	1.70E-04	1.43E-04	8.08E-04	6.55E-04	1.32E-04	1.27E-04	9.88E-05	6.49E-05
1166	563436.34	4234467.05	8.83E-04	7.88E-04	1.50E-04	1.26E-04	7.13E-04	5.78E-04	1.17E-04	1.12E-04	8.72E-05	5.72E-05
1167	563440.52	4234477.3	8.64E-04	7.71E-04	1.47E-04	1.24E-04	6.98E-04	5.65E-04	1.14E-04	1.10E-04	8.53E-05	5.60E-05
1168	563444.69	4234487.56	8.51E-04	7.59E-04	1.44E-04	1.22E-04	6.87E-04	5.57E-04	1.12E-04	1.08E-04	8.40E-05	5.51E-05
1169	563486.45	4234590.1	9.02E-04	8.05E-04	1.53E-04	1.29E-04	7.28E-04	5.90E-04	1.19E-04	1.14E-04	8.91E-05	5.85E-05

1170	563490.63	4234600.36	9.12E-04	8.14E-04	1.55E-04	1.30E-04	7.36E-04	5.97E-04	1.21E-04	1.16E-04	9.01E-05	5.91E-05
1171	563494.8	4234610.61	9.27E-04	8.27E-04	1.57E-04	1.33E-04	7.49E-04	6.07E-04	1.23E-04	1.18E-04	9.16E-05	6.01E-05
1172	563498.98	4234620.87	9.47E-04	8.45E-04	1.61E-04	1.35E-04	7.65E-04	6.20E-04	1.25E-04	1.20E-04	9.36E-05	6.14E-05
1173	563430.42	4234457.9	9.16E-04	8.17E-04	1.55E-04	1.31E-04	7.39E-04	5.99E-04	1.21E-04	1.16E-04	9.04E-05	5.93E-05
1174	563488.05	4234544.67	8.55E-04	7.63E-04	1.45E-04	1.22E-04	6.91E-04	5.60E-04	1.13E-04	1.09E-04	8.45E-05	5.54E-05
1175	563492.19	4234554.84	8.52E-04	7.60E-04	1.45E-04	1.22E-04	6.88E-04	5.58E-04	1.13E-04	1.08E-04	8.42E-05	5.52E-05
1176	563496.33	4234565	8.50E-04	7.58E-04	1.44E-04	1.22E-04	6.86E-04	5.56E-04	1.12E-04	1.08E-04	8.39E-05	5.51E-05
1177	563500.47	4234575.16	8.52E-04	7.60E-04	1.45E-04	1.22E-04	6.88E-04	5.57E-04	1.13E-04	1.08E-04	8.41E-05	5.52E-05
1178	563504.61	4234585.32	8.61E-04	7.68E-04	1.46E-04	1.23E-04	6.95E-04	5.63E-04	1.14E-04	1.09E-04	8.50E-05	5.58E-05
1179	563508.74	4234595.49	8.69E-04	7.76E-04	1.48E-04	1.24E-04	7.02E-04	5.69E-04	1.15E-04	1.10E-04	8.59E-05	5.63E-05
1180	563512.88	4234605.65	8.77E-04	7.82E-04	1.49E-04	1.25E-04	7.08E-04	5.74E-04	1.16E-04	1.11E-04	8.66E-05	5.68E-05
1181	563517.02	4234615.81	8.93E-04	7.96E-04	1.51E-04	1.28E-04	7.21E-04	5.84E-04	1.18E-04	1.13E-04	8.82E-05	5.79E-05
1182	563521.16	4234625.98	9.06E-04	8.09E-04	1.54E-04	1.30E-04	7.32E-04	5.93E-04	1.20E-04	1.15E-04	8.95E-05	5.87E-05
1183	563444.9	4234444.1	8.49E-04	7.57E-04	1.44E-04	1.21E-04	6.85E-04	5.55E-04	1.12E-04	1.08E-04	8.38E-05	5.50E-05
1184	563496.46	4234466.6	6.61E-04	5.89E-04	1.12E-04	9.45E-05	5.33E-04	4.32E-04	8.74E-05	8.38E-05	6.52E-05	4.28E-05
1185	563500.62	4234476.84	6.75E-04	6.02E-04	1.15E-04	9.65E-05	5.45E-04	4.42E-04	8.92E-05	8.56E-05	6.67E-05	4.37E-05
1186	563504.79	4234487.08	6.93E-04	6.19E-04	1.18E-04	9.92E-05	5.60E-04	4.54E-04	9.17E-05	8.80E-05	6.85E-05	4.49E-05
1187	563525.64	4234538.27	7.52E-04	6.71E-04	1.28E-04	1.08E-04	6.08E-04	4.92E-04	9.95E-05	9.55E-05	7.43E-05	4.88E-05
1188	563529.81	4234548.51	7.74E-04	6.90E-04	1.31E-04	1.11E-04	6.25E-04	5.06E-04	1.02E-04	9.81E-05	7.64E-05	5.01E-05
1189	563533.98	4234558.75	7.85E-04	7.00E-04	1.33E-04	1.12E-04	6.34E-04	5.14E-04	1.04E-04	9.96E-05	7.75E-05	5.09E-05
1190	563538.15	4234568.99	7.96E-04	7.10E-04	1.35E-04	1.14E-04	6.42E-04	5.21E-04	1.05E-04	1.01E-04	7.86E-05	5.16E-05
1191	563542.32	4234579.23	8.05E-04	7.18E-04	1.37E-04	1.15E-04	6.50E-04	5.27E-04	1.06E-04	1.02E-04	7.95E-05	5.22E-05
1192	563546.49	4234589.46	8.15E-04	7.27E-04	1.38E-04	1.16E-04	6.58E-04	5.33E-04	1.08E-04	1.03E-04	8.04E-05	5.28E-05
1193	563550.66	4234599.7	8.26E-04	7.37E-04	1.40E-04	1.18E-04	6.67E-04	5.40E-04	1.09E-04	1.05E-04	8.15E-05	5.35E-05
1194	563554.83	4234609.94	8.39E-04	7.49E-04	1.42E-04	1.20E-04	6.78E-04	5.49E-04	1.11E-04	1.06E-04	8.29E-05	5.44E-05
1195	563559	4234620.18	8.50E-04	7.59E-04	1.44E-04	1.22E-04	6.87E-04	5.57E-04	1.12E-04	1.08E-04	8.40E-05	5.51E-05
1196	563508.71	4234397.99	6.02E-04	5.37E-04	1.02E-04	8.61E-05	4.86E-04	3.94E-04	7.96E-05	7.64E-05	5.94E-05	3.90E-05
1197	563512.82	4234408.08	5.86E-04	5.23E-04	9.94E-05	8.38E-05	4.73E-04	3.83E-04	7.75E-05	7.43E-05	5.79E-05	3.80E-05
1198	563516.93	4234418.18	5.74E-04	5.12E-04	9.75E-05	8.21E-05	4.64E-04	3.76E-04	7.60E-05	7.29E-05	5.67E-05	3.72E-05
1199	563521.04	4234428.28	5.66E-04	5.05E-04	9.61E-05	8.10E-05	4.57E-04	3.71E-04	7.49E-05	7.19E-05	5.59E-05	3.67E-05
1200	563525.16	4234438.37	5.61E-04	5.00E-04	9.52E-05	8.02E-05	4.53E-04	3.67E-04	7.42E-05	7.12E-05	5.54E-05	3.64E-05
1201	563529.27	4234448.47	5.59E-04	4.99E-04	9.49E-05	8.00E-05	4.52E-04	3.66E-04	7.40E-05	7.10E-05	5.52E-05	3.62E-05
1202	563533.38	4234458.57	5.63E-04	5.02E-04	9.55E-05	8.05E-05	4.54E-04	3.68E-04	7.44E-05	7.14E-05	5.56E-05	3.65E-05
1203	563537.49	4234468.66	5.76E-04	5.14E-04	9.78E-05	8.24E-05	4.65E-04	3.77E-04	7.62E-05	7.31E-05	5.69E-05	3.73E-05
1204	563541.6	4234478.76	5.91E-04	5.27E-04	1.00E-04	8.45E-05	4.77E-04	3.87E-04	7.82E-05	7.50E-05	5.84E-05	3.83E-05
1205	563545.71	4234488.86	6.05E-04	5.40E-04	1.03E-04	8.66E-05	4.89E-04	3.96E-04	8.00E-05	7.68E-05	5.98E-05	3.92E-05
1206	563566.27	4234539.34	6.86E-04	6.12E-04	1.16E-04	9.81E-05	5.54E-04	4.49E-04	9.07E-05	8.70E-05	6.77E-05	4.44E-05
1207	563570.38	4234549.44	7.01E-04	6.25E-04	1.19E-04	1.00E-04	5.66E-04	4.59E-04	9.27E-05	8.90E-05	6.92E-05	4.54E-05
1208	563574.5	4234559.54	7.16E-04	6.39E-04	1.22E-04	1.02E-04	5.78E-04	4.69E-04	9.47E-05	9.09E-05	7.08E-05	4.64E-05
1209	563578.61	4234569.63	7.31E-04	6.52E-04	1.24E-04	1.05E-04	5.90E-04	4.79E-04	9.67E-05	9.28E-05	7.22E-05	4.74E-05
1210	563582.72	4234579.73	7.45E-04	6.65E-04	1.26E-04	1.07E-04	6.02E-04	4.88E-04	9.85E-05	9.45E-05	7.36E-05	4.83E-05
1211	563586.83	4234589.83	7.57E-04	6.75E-04	1.28E-04	1.08E-04	6.11E-04	4.95E-04	1.00E-04	9.60E-05	7.47E-05	4.91E-05
1212	563590.94	4234599.92	7.66E-04	6.83E-04	1.30E-04	1.10E-04	6.18E-04	5.01E-04	1.01E-04	9.72E-05	7.56E-05	4.96E-05
1213	563595.05	4234610.02	7.73E-04	6.90E-04	1.31E-04	1.11E-04	6.24E-04	5.06E-04	1.02E-04	9.81E-05	7.64E-05	5.01E-05
1214	563599.17	4234620.12	7.80E-04	6.96E-04	1.32E-04	1.12E-04	6.30E-04	5.10E-04	1.03E-04	9.89E-05	7.70E-05	5.05E-05
1215	563502.82	4234388.92	6.26E-04	5.58E-04	1.06E-04	8.95E-05	5.05E-04	4.10E-04	8.28E-05	7.94E-05	6.18E-05	4.06E-05
1216	563537.68	4234370.43	5.55E-04	4.95E-04	9.41E-05	7.93E-05	4.48E-04	3.63E-04	7.34E-05	7.04E-05	5.48E-05	3.60E-05
1217	563541.82	4234380.59	5.38E-04	4.80E-04	9.13E-05	7.69E-05	4.34E-04	3.52E-04	7.12E-05	6.83E-05	5.31E-05	3.49E-05
1218	563545.96	4234390.76	5.23E-04	4.66E-04	8.87E-05	7.47E-05	4.22E-04	3.42E-04	6.91E-05	6.63E-05	5.16E-05	3.39E-05
1219	563550.1	4234400.92	5.14E-04	4.58E-04	8.72E-05	7.35E-05	4.15E-04	3.36E-04	6.79E-05	6.52E-05	5.07E-05	3.33E-05
1220	563554.24	4234411.08	5.08E-04	4.53E-04	8.63E-05	7.27E-05	4.10E-04	3.33E-04	6.72E-05	6.45E-05	5.02E-05	3.29E-05
1221	563558.38	4234421.25	5.04E-04	4.50E-04	8.55E-05	7.21E-05	4.07E-04	3.30E-04	6.66E-05	6.40E-05	4.98E-05	3.27E-05
1222	563562.52	4234431.41	5.01E-04	4.47E-04	8.50E-05	7.16E-05	4.04E-04	3.28E-04	6.62E-05	6.36E-05	4.95E-05	3.25E-05
1223	563566.65	4234441.57	4.99E-04	4.45E-04	8.47E-05	7.14E-05	4.03E-04	3.27E-04	6.60E-05	6.33E-05	4.93E-05	3.23E-05
1224	563570.79	4234451.73	4.99E-04	4.45E-04	8.46E-05	7.13E-05	4.03E-04	3.26E-04	6.59E-05	6.33E-05	4.92E-05	3.23E-05
1225	563574.93	4234461.9	5.06E-04	4.52E-04	8.59E-05	7.24E-05	4.09E-04	3.31E-04	6.70E-05	6.42E-05	5.00E-05	3.28E-05
1226	563579.07	4234472.06	5.20E-04	4.64E-04	8.83E-05	7.44E-05	4.20E-04	3.40E-04	6.88E-05	6.60E-05	5.14E-05	3.37E-05
1227	563583.21	4234482.22	5.33E-04	4.75E-04	9.04E-05	7.62E-05	4.30E-04	3.49E-04	7.04E-05	6.76E-05	5.26E-05	3.45E-05
1228	563603.9	4234533.04	6.17E-04	5.50E-04	1.05E-04	8.82E-05	4.98E-04	4.04E-04	8.16E-05	7.83E-05	6.09E-05	4.00E-05
1229	563608.04	4234543.2	6.31E-04	5.63E-04	1.07E-04	9.03E-05	5.10E-04	4.13E-04	8.35E-05	8.01E-05	6.24E-05	4.09E-05
1230	563612.18	4234553.37	6.45E-04	5.75E-04	1.09E-04	9.22E-05	5.20E-04	4.22E-04	8.52E-05	8.18E-05	6.37E-05	4.18E-05
1231	563616.32	4234563.53	6.57E-04	5.86E-04	1.11E-04	9.39E-05	5.30E-04	4.30E-04	8.69E-05	8.33E-05	6.49E-05	4.26E-05
1232	563620.46	4234573.69	6.67E-04	5.95E-04	1.13E-04	9.54E-05	5.39E-04	4.37E-04	8.83E-05	8.47E-05	6.59E-05	4.33E-05
1233	563624.6	4234583.86	6.76E-04	6.03E-04	1.15E-04	9.67E-05	5.46E-04	4.43E-04	8.94E-05	8.58E-05	6.68E-05	4.38E-05
1234	563628.74	4234594.02	6.84E-04	6.10E-04	1.16E-04	9.78E-05	5.52E-04	4.47E-04	9.04E-05	8.68E-05	6.75E-05	4.43E-05
1235	563632.87	4234604.18	6.90E-04	6.15E-04	1.17E-04	9.86E-05	5.57E-04	4.51E-04	9.12E-05	8.75E-05	6.81E-05	4.47E-05
1236	563637.01	4234614.34	6.94E-04	6.19E-04	1.18E-04	9.92E-05	5.60E-04	4.54E-04	9.18E-05	8.80E-05	6.85E-05	4.50E-05
1237	563641.15	4234624.51	6.95E-04	6.20E-04	1.18E-04	9.94E-05	5.61E-04	4.55E-04	9.19E-05	8.82E-05	6.86E-05	4.50E-05
1238	563531.78	4234361.33	5.70E-04	5.09E-04	9.68E-05	8.16E-05	4.61E-04	3.73E-04	7.54E-05	7.24E-05	5.63E-05	3.70E-05

1239	563566.66	4234342.87	5.15E-04	4.59E-04	8.74E-05	7.37E-05	4.16E-04	3.37E-04	6.81E-05	6.54E-05	5.09E-05	3.34E-05
1240	563570.82	4234353.08	4.99E-04	4.45E-04	8.47E-05	7.14E-05	4.03E-04	3.27E-04	6.60E-05	6.34E-05	4.93E-05	3.24E-05
1241	563574.98	4234363.3	4.85E-04	4.33E-04	8.24E-05	6.94E-05	3.92E-04	3.18E-04	6.42E-05	6.16E-05	4.79E-05	3.15E-05
1242	563579.14	4234373.52	4.74E-04	4.23E-04	8.04E-05	6.78E-05	3.83E-04	3.10E-04	6.27E-05	6.01E-05	4.68E-05	3.07E-05
1243	563583.3	4234383.74	4.64E-04	4.14E-04	7.88E-05	6.64E-05	3.75E-04	3.04E-04	6.14E-05	5.89E-05	4.59E-05	3.01E-05
1244	563587.46	4234393.96	4.58E-04	4.08E-04	7.77E-05	6.55E-05	3.70E-04	3.00E-04	6.05E-05	5.81E-05	4.52E-05	2.97E-05
1245	563591.62	4234404.18	4.54E-04	4.05E-04	7.71E-05	6.50E-05	3.67E-04	2.97E-04	6.01E-05	5.76E-05	4.49E-05	2.94E-05
1246	563595.78	4234414.4	4.54E-04	4.05E-04	7.70E-05	6.49E-05	3.66E-04	2.97E-04	6.00E-05	5.76E-05	4.48E-05	2.94E-05
1247	563599.95	4234424.62	4.56E-04	4.07E-04	7.73E-05	6.52E-05	3.68E-04	2.98E-04	6.03E-05	5.78E-05	4.50E-05	2.95E-05
1248	563604.11	4234434.83	4.60E-04	4.11E-04	7.81E-05	6.58E-05	3.72E-04	3.01E-04	6.09E-05	5.84E-05	4.55E-05	2.98E-05
1249	563608.27	4234445.05	4.64E-04	4.14E-04	7.87E-05	6.64E-05	3.75E-04	3.04E-04	6.14E-05	5.89E-05	4.58E-05	3.01E-05
1250	563612.43	4234455.27	4.68E-04	4.18E-04	7.94E-05	6.70E-05	3.78E-04	3.06E-04	6.19E-05	5.94E-05	4.62E-05	3.03E-05
1251	563616.59	4234465.49	4.75E-04	4.24E-04	8.07E-05	6.80E-05	3.84E-04	3.11E-04	6.29E-05	6.03E-05	4.69E-05	3.08E-05
1252	563620.75	4234475.71	4.85E-04	4.33E-04	8.23E-05	6.94E-05	3.92E-04	3.17E-04	6.42E-05	6.16E-05	4.79E-05	3.14E-05
1253	563624.91	4234485.93	4.97E-04	4.43E-04	8.43E-05	7.11E-05	4.01E-04	3.25E-04	6.57E-05	6.31E-05	4.91E-05	3.22E-05
1254	563645.72	4234537.02	5.74E-04	5.12E-04	9.74E-05	8.21E-05	4.64E-04	3.76E-04	7.59E-05	7.28E-05	5.67E-05	3.72E-05
1255	563649.88	4234547.24	5.86E-04	5.22E-04	9.94E-05	8.37E-05	4.73E-04	3.83E-04	7.74E-05	7.43E-05	5.78E-05	3.79E-05
1256	563654.04	4234557.46	5.96E-04	5.32E-04	1.01E-04	8.53E-05	4.82E-04	3.90E-04	7.89E-05	7.57E-05	5.89E-05	3.86E-05
1257	563658.2	4234567.68	6.06E-04	5.41E-04	1.03E-04	8.67E-05	4.90E-04	3.97E-04	8.02E-05	7.69E-05	5.99E-05	3.93E-05
1258	563662.37	4234577.89	6.15E-04	5.49E-04	1.04E-04	8.80E-05	4.97E-04	4.03E-04	8.14E-05	7.81E-05	6.08E-05	3.99E-05
1259	563666.53	4234588.11	6.21E-04	5.54E-04	1.05E-04	8.88E-05	5.02E-04	4.06E-04	8.21E-05	7.88E-05	6.13E-05	4.03E-05
1260	563670.69	4234598.33	6.25E-04	5.57E-04	1.06E-04	8.93E-05	5.04E-04	4.09E-04	8.26E-05	7.93E-05	6.17E-05	4.05E-05
1261	563674.85	4234608.55	6.26E-04	5.58E-04	1.06E-04	8.95E-05	5.05E-04	4.10E-04	8.28E-05	7.94E-05	6.18E-05	4.06E-05
1262	563679.01	4234618.77	6.26E-04	5.59E-04	1.06E-04	8.96E-05	5.06E-04	4.10E-04	8.28E-05	7.95E-05	6.19E-05	4.06E-05
1263	563560.74	4234333.74	5.34E-04	4.76E-04	9.06E-05	7.64E-05	4.31E-04	3.49E-04	7.06E-05	6.77E-05	5.27E-05	3.46E-05
1264	563595.62	4234315.3	4.57E-04	4.08E-04	7.75E-05	6.54E-05	3.69E-04	2.99E-04	6.04E-05	5.80E-05	4.51E-05	2.96E-05
1265	563599.81	4234325.56	4.43E-04	3.95E-04	7.51E-05	6.33E-05	3.58E-04	2.90E-04	5.86E-05	5.62E-05	4.37E-05	2.87E-05
1266	563603.99	4234335.83	4.30E-04	3.84E-04	7.30E-05	6.16E-05	3.48E-04	2.82E-04	5.69E-05	5.46E-05	4.25E-05	2.79E-05
1267	563608.17	4234346.1	4.19E-04	3.74E-04	7.12E-05	6.00E-05	3.39E-04	2.74E-04	5.55E-05	5.32E-05	4.14E-05	2.72E-05
1268	563612.35	4234356.36	4.10E-04	3.66E-04	6.96E-05	5.87E-05	3.31E-04	2.68E-04	5.43E-05	5.21E-05	4.05E-05	2.66E-05
1269	563616.53	4234366.63	4.03E-04	3.60E-04	6.84E-05	5.76E-05	3.25E-04	2.64E-04	5.33E-05	5.11E-05	3.98E-05	2.61E-05
1270	563620.71	4234376.89	3.99E-04	3.56E-04	6.77E-05	5.71E-05	3.22E-04	2.61E-04	5.28E-05	5.06E-05	3.94E-05	2.59E-05
1271	563624.89	4234387.16	3.97E-04	3.55E-04	6.74E-05	5.68E-05	3.21E-04	2.60E-04	5.26E-05	5.04E-05	3.93E-05	2.58E-05
1272	563629.07	4234397.42	3.98E-04	3.55E-04	6.76E-05	5.70E-05	3.22E-04	2.61E-04	5.27E-05	5.05E-05	3.93E-05	2.58E-05
1273	563633.25	4234407.69	4.02E-04	3.59E-04	6.83E-05	5.75E-05	3.25E-04	2.63E-04	5.32E-05	5.10E-05	3.97E-05	2.61E-05
1274	563637.43	4234417.96	4.08E-04	3.64E-04	6.92E-05	5.83E-05	3.29E-04	2.67E-04	5.39E-05	5.18E-05	4.03E-05	2.64E-05
1275	563641.61	4234428.22	4.15E-04	3.70E-04	7.05E-05	5.94E-05	3.35E-04	2.72E-04	5.49E-05	5.27E-05	4.10E-05	2.69E-05
1276	563645.79	4234438.49	4.24E-04	3.78E-04	7.20E-05	6.07E-05	3.42E-04	2.78E-04	5.61E-05	5.38E-05	4.19E-05	2.75E-05
1277	563649.97	4234448.75	4.34E-04	3.87E-04	7.37E-05	6.21E-05	3.51E-04	2.84E-04	5.74E-05	5.51E-05	4.29E-05	2.81E-05
1278	563654.15	4234459.02	4.45E-04	3.97E-04	7.55E-05	6.37E-05	3.59E-04	2.91E-04	5.89E-05	5.65E-05	4.40E-05	2.88E-05
1279	563658.33	4234469.28	4.55E-04	4.06E-04	7.72E-05	6.51E-05	3.67E-04	2.98E-04	6.02E-05	5.78E-05	4.49E-05	2.95E-05
1280	563662.51	4234479.55	4.64E-04	4.14E-04	7.87E-05	6.64E-05	3.75E-04	3.04E-04	6.14E-05	5.89E-05	4.58E-05	3.01E-05
1281	563687.6	4234541.14	5.36E-04	4.78E-04	9.09E-05	7.66E-05	4.33E-04	3.51E-04	7.08E-05	6.80E-05	5.29E-05	3.47E-05
1282	563691.78	4234551.41	5.45E-04	4.86E-04	9.25E-05	7.79E-05	4.40E-04	3.57E-04	7.21E-05	6.92E-05	5.38E-05	3.53E-05
1283	563695.96	4234561.68	5.53E-04	4.94E-04	9.39E-05	7.91E-05	4.47E-04	3.62E-04	7.32E-05	7.02E-05	5.46E-05	3.59E-05
1284	563700.14	4234571.94	5.60E-04	5.00E-04	9.51E-05	8.02E-05	4.53E-04	3.67E-04	7.41E-05	7.11E-05	5.54E-05	3.63E-05
1285	563704.32	4234582.21	5.65E-04	5.04E-04	9.59E-05	8.09E-05	4.57E-04	3.70E-04	7.48E-05	7.17E-05	5.58E-05	3.66E-05
1286	563708.5	4234592.47	5.67E-04	5.06E-04	9.62E-05	8.11E-05	4.58E-04	3.71E-04	7.50E-05	7.19E-05	5.60E-05	3.67E-05
1287	563712.68	4234602.74	5.65E-04	5.04E-04	9.58E-05	8.08E-05	4.56E-04	3.70E-04	7.47E-05	7.17E-05	5.58E-05	3.66E-05
1288	563589.7	4234306.14	4.75E-04	4.23E-04	8.05E-05	6.79E-05	3.83E-04	3.11E-04	6.28E-05	6.02E-05	4.69E-05	3.08E-05
1289	563624.56	4234287.65	4.08E-04	3.64E-04	6.92E-05	5.84E-05	3.29E-04	2.67E-04	5.40E-05	5.18E-05	4.03E-05	2.64E-05
1290	563628.7	4234297.82	3.96E-04	3.53E-04	6.72E-05	5.66E-05	3.20E-04	2.59E-04	5.24E-05	5.02E-05	3.91E-05	2.57E-05
1291	563632.84	4234307.98	3.85E-04	3.44E-04	6.54E-05	5.51E-05	3.11E-04	2.52E-04	5.09E-05	4.89E-05	3.80E-05	2.50E-05
1292	563636.98	4234318.14	3.75E-04	3.35E-04	6.37E-05	5.37E-05	3.03E-04	2.46E-04	4.97E-05	4.76E-05	3.71E-05	2.43E-05
1293	563641.12	4234328.31	3.67E-04	3.28E-04	6.23E-05	5.25E-05	2.96E-04	2.40E-04	4.86E-05	4.66E-05	3.63E-05	2.38E-05
1294	563645.26	4234338.47	3.61E-04	3.22E-04	6.12E-05	5.16E-05	2.91E-04	2.36E-04	4.77E-05	4.57E-05	3.56E-05	2.34E-05
1295	563649.4	4234348.63	3.55E-04	3.17E-04	6.03E-05	5.08E-05	2.87E-04	2.32E-04	4.70E-05	4.51E-05	3.51E-05	2.30E-05
1296	563653.54	4234358.8	3.52E-04	3.14E-04	5.97E-05	5.03E-05	2.84E-04	2.30E-04	4.65E-05	4.46E-05	3.47E-05	2.28E-05
1297	563657.67	4234368.96	3.50E-04	3.13E-04	5.94E-05	5.01E-05	2.83E-04	2.29E-04	4.63E-05	4.45E-05	3.46E-05	2.27E-05
1298	563661.81	4234379.12	3.51E-04	3.13E-04	5.96E-05	5.02E-05	2.84E-04	2.30E-04	4.64E-05	4.46E-05	3.47E-05	2.28E-05
1299	563665.95	4234389.29	3.54E-04	3.16E-04	6.00E-05	5.06E-05	2.86E-04	2.31E-04	4.68E-05	4.49E-05	3.49E-05	2.29E-05
1300	563670.09	4234399.45	3.58E-04	3.20E-04	6.08E-05	5.13E-05	2.89E-04	2.35E-04	4.74E-05	4.55E-05	3.54E-05	2.32E-05
1301	563674.23	4234409.61	3.66E-04	3.26E-04	6.21E-05	5.23E-05	2.95E-04	2.39E-04	4.84E-05	4.64E-05	3.61E-05	2.37E-05
1302	563678.37	4234419.78	3.75E-04	3.34E-04	6.36E-05	5.36E-05	3.03E-04	2.45E-04	4.95E-05	4.75E-05	3.70E-05	2.43E-05
1303	563682.51	4234429.94	3.84E-04	3.43E-04	6.52E-05	5.50E-05	3.10E-04	2.52E-04	5.08E-05	4.88E-05	3.80E-05	2.49E-05
1304	563686.65	4234440.1	3.95E-04	3.52E-04	6.70E-05	5.65E-05	3.19E-04	2.59E-04	5.22E-05	5.01E-05	3.90E-05	2.56E-05
1305	563690.78	4234450.26	4.06E-04	3.62E-04	6.89E-05	5.81E-05	3.28E-04	2.66E-04	5.37E-05	5.15E-05	4.01E-05	2.63E-05
1306	563694.92	4234460.43	4.18E-04	3.73E-04	7.09E-05	5.97E-05	3.37E-04	2.73E-04	5.52E-05	5.30E-05	4.13E-05	2.71E-05
1307	563699.06	4234470.59	4.29E-04	3.83E-04	7.28E-05	6.14E-05	3.47E-04	2.81E-04	5.68E-05	5.45E-05	4.24E-05	2.78E-05

1308	563703.2	4234480.75	4.41E-04	3.93E-04	7.48E-05	6.30E-05	3.56E-04	2.88E-04	5.83E-05	5.59E-05	4.35E-05	2.86E-05
1309	563618.67	4234278.55	4.25E-04	3.79E-04	7.21E-05	6.08E-05	3.43E-04	2.78E-04	5.62E-05	5.39E-05	4.20E-05	2.75E-05
1310	563653.53	4234260.09	3.64E-04	3.25E-04	6.18E-05	5.20E-05	2.94E-04	2.38E-04	4.81E-05	4.62E-05	3.59E-05	2.36E-05
1311	563657.69	4234270.29	3.52E-04	3.14E-04	5.98E-05	5.04E-05	2.84E-04	2.30E-04	4.66E-05	4.47E-05	3.48E-05	2.28E-05
1312	563661.85	4234280.5	3.42E-04	3.05E-04	5.80E-05	4.89E-05	2.76E-04	2.24E-04	4.52E-05	4.34E-05	3.38E-05	2.21E-05
1313	563666	4234290.71	3.33E-04	2.97E-04	5.64E-05	4.76E-05	2.69E-04	2.18E-04	4.40E-05	4.22E-05	3.28E-05	2.16E-05
1314	563670.16	4234300.91	3.25E-04	2.90E-04	5.51E-05	4.65E-05	2.62E-04	2.13E-04	4.30E-05	4.12E-05	3.21E-05	2.11E-05
1315	563674.32	4234311.12	3.18E-04	2.84E-04	5.40E-05	4.55E-05	2.57E-04	2.08E-04	4.21E-05	4.04E-05	3.14E-05	2.06E-05
1316	563678.47	4234321.33	3.13E-04	2.79E-04	5.30E-05	4.47E-05	2.52E-04	2.05E-04	4.13E-05	3.97E-05	3.09E-05	2.03E-05
1317	563682.63	4234331.54	3.08E-04	2.74E-04	5.22E-05	4.40E-05	2.48E-04	2.01E-04	4.07E-05	3.90E-05	3.04E-05	1.99E-05
1318	563686.79	4234341.74	3.04E-04	2.72E-04	5.17E-05	4.35E-05	2.46E-04	1.99E-04	4.03E-05	3.86E-05	3.01E-05	1.97E-05
1319	563690.94	4234351.95	3.03E-04	2.71E-04	5.15E-05	4.34E-05	2.45E-04	1.98E-04	4.01E-05	3.85E-05	3.00E-05	1.97E-05
1320	563695.1	4234362.16	3.04E-04	2.71E-04	5.16E-05	4.35E-05	2.45E-04	1.99E-04	4.02E-05	3.86E-05	3.00E-05	1.97E-05
1321	563647.63	4234250.96	3.80E-04	3.39E-04	6.44E-05	5.43E-05	3.07E-04	2.48E-04	5.02E-05	4.82E-05	3.75E-05	2.46E-05
1322	563682.5	4234232.51	3.25E-04	2.90E-04	5.51E-05	4.64E-05	2.62E-04	2.12E-04	4.29E-05	4.12E-05	3.21E-05	2.10E-05
1323	563686.67	4234242.76	3.14E-04	2.80E-04	5.33E-05	4.49E-05	2.54E-04	2.05E-04	4.15E-05	3.98E-05	3.10E-05	2.03E-05
1324	563782.64	4234478.41	3.70E-04	3.30E-04	6.27E-05	5.29E-05	2.99E-04	2.42E-04	4.89E-05	4.69E-05	3.65E-05	2.40E-05
1325	563786.81	4234488.66	3.78E-04	3.38E-04	6.42E-05	5.41E-05	3.06E-04	2.48E-04	5.01E-05	4.80E-05	3.74E-05	2.45E-05
1326	563790.98	4234498.9	3.87E-04	3.45E-04	6.57E-05	5.53E-05	3.12E-04	2.53E-04	5.12E-05	4.91E-05	3.82E-05	2.51E-05
1327	563795.16	4234509.15	3.95E-04	3.52E-04	6.70E-05	5.65E-05	3.19E-04	2.58E-04	5.22E-05	5.01E-05	3.90E-05	2.56E-05
1328	563799.33	4234519.39	4.02E-04	3.58E-04	6.82E-05	5.75E-05	3.24E-04	2.63E-04	5.31E-05	5.10E-05	3.97E-05	2.60E-05
1329	563803.5	4234529.64	4.08E-04	3.64E-04	6.92E-05	5.83E-05	3.29E-04	2.67E-04	5.39E-05	5.17E-05	4.03E-05	2.64E-05
1330	563807.67	4234539.89	4.14E-04	3.69E-04	7.02E-05	5.92E-05	3.34E-04	2.71E-04	5.47E-05	5.25E-05	4.09E-05	2.68E-05
1331	563811.85	4234550.13	4.19E-04	3.73E-04	7.10E-05	5.99E-05	3.38E-04	2.74E-04	5.54E-05	5.31E-05	4.13E-05	2.71E-05
1332	563816.02	4234560.38	4.21E-04	3.75E-04	7.14E-05	6.02E-05	3.40E-04	2.75E-04	5.57E-05	5.34E-05	4.16E-05	2.73E-05
1333	563820.19	4234570.62	4.22E-04	3.77E-04	7.17E-05	6.04E-05	3.41E-04	2.76E-04	5.59E-05	5.36E-05	4.17E-05	2.74E-05
1334	563676.59	4234223.37	3.39E-04	3.02E-04	5.75E-05	4.85E-05	2.74E-04	2.22E-04	4.48E-05	4.30E-05	3.35E-05	2.20E-05
1335	563757.52	4234318.02	1.98E-04	1.76E-04	3.35E-05	2.83E-05	1.60E-04	1.29E-04	2.61E-05	2.51E-05	1.95E-05	1.28E-05
1336	563761.71	4234328.3	1.92E-04	1.71E-04	3.25E-05	2.74E-05	1.55E-04	1.25E-04	2.53E-05	2.43E-05	1.89E-05	1.24E-05
1337	563765.89	4234338.58	1.86E-04	1.66E-04	3.15E-05	2.66E-05	1.50E-04	1.22E-04	2.46E-05	2.36E-05	1.83E-05	1.20E-05
1338	563770.08	4234348.86	1.84E-04	1.64E-04	3.13E-05	2.63E-05	1.49E-04	1.21E-04	2.44E-05	2.34E-05	1.82E-05	1.19E-05
1339	563774.26	4234359.14	1.85E-04	1.65E-04	3.14E-05	2.65E-05	1.49E-04	1.21E-04	2.45E-05	2.35E-05	1.83E-05	1.20E-05
1340	563778.45	4234369.42	1.88E-04	1.68E-04	3.19E-05	2.69E-05	1.52E-04	1.23E-04	2.49E-05	2.39E-05	1.86E-05	1.22E-05
1341	563782.64	4234379.7	1.93E-04	1.72E-04	3.27E-05	2.76E-05	1.56E-04	1.26E-04	2.55E-05	2.45E-05	1.91E-05	1.25E-05
1342	563786.82	4234389.98	1.98E-04	1.77E-04	3.36E-05	2.83E-05	1.60E-04	1.30E-04	2.62E-05	2.52E-05	1.96E-05	1.28E-05
1343	563791.01	4234400.26	2.06E-04	1.84E-04	3.50E-05	2.95E-05	1.67E-04	1.35E-04	2.73E-05	2.62E-05	2.04E-05	1.34E-05
1344	563795.2	4234410.54	2.18E-04	1.95E-04	3.70E-05	3.12E-05	1.76E-04	1.43E-04	2.89E-05	2.77E-05	2.16E-05	1.41E-05
1345	563799.38	4234420.82	2.31E-04	2.06E-04	3.91E-05	3.30E-05	1.86E-04	1.51E-04	3.05E-05	2.93E-05	2.28E-05	1.49E-05
1346	563803.57	4234431.1	2.44E-04	2.18E-04	4.14E-05	3.49E-05	1.97E-04	1.60E-04	3.23E-05	3.10E-05	2.41E-05	1.58E-05
1347	563807.75	4234441.38	2.62E-04	2.34E-04	4.45E-05	3.75E-05	2.12E-04	1.71E-04	3.46E-05	3.32E-05	2.59E-05	1.70E-05
1348	563811.94	4234451.66	2.83E-04	2.53E-04	4.81E-05	4.05E-05	2.29E-04	1.85E-04	3.75E-05	3.60E-05	2.80E-05	1.84E-05
1349	563816.13	4234461.94	2.96E-04	2.64E-04	5.02E-05	4.23E-05	2.39E-04	1.94E-04	3.91E-05	3.75E-05	2.92E-05	1.92E-05
1350	563820.31	4234472.22	3.03E-04	2.71E-04	5.15E-05	4.34E-05	2.45E-04	1.99E-04	4.01E-05	3.85E-05	3.00E-05	1.97E-05
1351	563824.5	4234482.5	3.16E-04	2.82E-04	5.37E-05	4.53E-05	2.55E-04	2.07E-04	4.18E-05	4.02E-05	3.12E-05	2.05E-05
1352	563828.69	4234492.78	3.28E-04	2.92E-04	5.56E-05	4.69E-05	2.65E-04	2.15E-04	4.34E-05	4.16E-05	3.24E-05	2.12E-05
1353	563832.87	4234503.06	3.36E-04	3.00E-04	5.70E-05	4.81E-05	2.71E-04	2.20E-04	4.44E-05	4.26E-05	3.32E-05	2.18E-05
1354	563837.06	4234513.34	3.44E-04	3.07E-04	5.83E-05	4.91E-05	2.77E-04	2.25E-04	4.54E-05	4.36E-05	3.39E-05	2.23E-05
1355	563841.24	4234523.62	3.51E-04	3.13E-04	5.95E-05	5.02E-05	2.83E-04	2.30E-04	4.64E-05	4.45E-05	3.46E-05	2.27E-05
1356	563845.43	4234533.9	3.72E-04	3.32E-04	6.32E-05	5.33E-05	3.01E-04	2.44E-04	4.93E-05	4.73E-05	3.68E-05	2.41E-05
1357	563849.62	4234544.18	3.77E-04	3.36E-04	6.40E-05	5.39E-05	3.04E-04	2.47E-04	4.98E-05	4.78E-05	3.72E-05	2.44E-05
1358	563853.8	4234554.46	3.81E-04	3.40E-04	6.46E-05	5.44E-05	3.07E-04	2.49E-04	5.03E-05	4.83E-05	3.76E-05	2.47E-05
1359	563857.99	4234564.74	3.84E-04	3.42E-04	6.51E-05	5.49E-05	3.10E-04	2.51E-04	5.07E-05	4.87E-05	3.79E-05	2.49E-05
1360	563862.18	4234575.02	3.85E-04	3.44E-04	6.54E-05	5.51E-05	3.11E-04	2.52E-04	5.10E-05	4.89E-05	3.81E-05	2.50E-05
1361	563866.36	4234585.3	3.86E-04	3.44E-04	6.55E-05	5.52E-05	3.11E-04	2.52E-04	5.10E-05	4.89E-05	3.81E-05	2.50E-05
1362	563761.18	4234228.3	1.95E-04	1.74E-04	3.31E-05	2.79E-05	1.58E-04	1.28E-04	2.58E-05	2.48E-05	1.93E-05	1.26E-05
1363	563765.33	4234238.5	1.84E-04	1.64E-04	3.13E-05	2.64E-05	1.49E-04	1.21E-04	2.44E-05	2.34E-05	1.82E-05	1.19E-05
1364	563769.49	4234248.7	1.75E-04	1.56E-04	2.96E-05	2.50E-05	1.41E-04	1.14E-04	2.31E-05	2.22E-05	1.72E-05	1.13E-05
1365	563773.64	4234258.9	1.66E-04	1.48E-04	2.82E-05	2.38E-05	1.34E-04	1.09E-04	2.20E-05	2.11E-05	1.64E-05	1.08E-05
1366	563777.8	4234269.1	1.58E-04	1.41E-04	2.67E-05	2.25E-05	1.27E-04	1.03E-04	2.08E-05	2.00E-05	1.56E-05	1.02E-05
1367	563781.95	4234279.3	1.50E-04	1.34E-04	2.54E-05	2.14E-05	1.21E-04	9.81E-05	1.98E-05	1.90E-05	1.48E-05	9.71E-06
1368	563786.1	4234289.5	1.42E-04	1.26E-04	2.41E-05	2.03E-05	1.14E-04	9.28E-05	1.87E-05	1.80E-05	1.40E-05	9.19E-06
1369	563790.26	4234299.7	1.32E-04	1.18E-04	2.25E-05	1.89E-05	1.07E-04	8.67E-05	1.75E-05	1.68E-05	1.31E-05	8.59E-06
1370	563794.41	4234309.9	1.25E-04	1.12E-04	2.12E-05	1.79E-05	1.01E-04	8.19E-05	1.66E-05	1.59E-05	1.24E-05	8.11E-06
1371	563798.56	4234320.1	1.21E-04	1.08E-04	2.05E-05	1.73E-05	9.78E-05	7.92E-05	1.60E-05	1.54E-05	1.20E-05	7.85E-06
1372	563802.72	4234330.3	1.20E-04	1.07E-04	2.04E-05	1.72E-05	9.69E-05	7.85E-05	1.59E-05	1.52E-05	1.19E-05	7.78E-06
1373	563806.87	4234340.5	1.21E-04	1.08E-04	2.06E-05	1.73E-05	9.79E-05	7.93E-05	1.60E-05	1.54E-05	1.20E-05	7.86E-06
1374	563811.02	4234350.7	1.23E-04	1.10E-04	2.08E-05	1.76E-05	9.92E-05	8.04E-05	1.62E-05	1.56E-05	1.21E-05	7.96E-06
1375	563815.18	4234360.9	1.23E-04	1.10E-04	2.09E-05	1.76E-05	9.95E-05	8.07E-05	1.63E-05	1.56E-05	1.22E-05	7.99E-06
1376	563819.33	4234371.1	1.24E-04	1.11E-04	2.11E-05	1.77E-05	1.00E-04	8.12E-05	1.64E-05	1.57E-05	1.23E-05	8.04E-06

1377	563823.48	4234381.3	1.29E-04	1.15E-04	2.18E-05	1.84E-05	1.04E-04	8.42E-05	1.70E-05	1.63E-05	1.27E-05	8.33E-06
1378	563827.64	4234391.5	1.36E-04	1.21E-04	2.30E-05	1.94E-05	1.10E-04	8.89E-05	1.80E-05	1.72E-05	1.34E-05	8.80E-06
1379	563831.79	4234401.7	1.43E-04	1.28E-04	2.43E-05	2.05E-05	1.16E-04	9.37E-05	1.89E-05	1.82E-05	1.41E-05	9.28E-06
1380	563835.95	4234411.9	1.48E-04	1.32E-04	2.52E-05	2.12E-05	1.20E-04	9.71E-05	1.96E-05	1.88E-05	1.46E-05	9.61E-06
1381	563840.1	4234422.1	1.53E-04	1.37E-04	2.60E-05	2.19E-05	1.24E-04	1.00E-04	2.03E-05	1.94E-05	1.51E-05	9.93E-06
1382	563844.25	4234432.3	1.60E-04	1.43E-04	2.72E-05	2.29E-05	1.29E-04	1.05E-04	2.12E-05	2.03E-05	1.58E-05	1.04E-05
1383	563848.41	4234442.49	1.69E-04	1.51E-04	2.88E-05	2.42E-05	1.37E-04	1.11E-04	2.24E-05	2.15E-05	1.67E-05	1.10E-05
1384	563852.56	4234452.69	1.79E-04	1.59E-04	3.03E-05	2.55E-05	1.44E-04	1.17E-04	2.36E-05	2.27E-05	1.76E-05	1.16E-05
1385	563856.71	4234462.89	1.93E-04	1.73E-04	3.28E-05	2.77E-05	1.56E-04	1.27E-04	2.56E-05	2.45E-05	1.91E-05	1.25E-05
1386	563860.87	4234473.09	2.14E-04	1.91E-04	3.63E-05	3.06E-05	1.73E-04	1.40E-04	2.83E-05	2.72E-05	2.12E-05	1.39E-05
1387	563865.02	4234483.29	2.40E-04	2.14E-04	4.06E-05	3.43E-05	1.93E-04	1.57E-04	3.17E-05	3.04E-05	2.37E-05	1.55E-05
1388	563869.17	4234493.49	2.57E-04	2.29E-04	4.36E-05	3.68E-05	2.08E-04	1.68E-04	3.40E-05	3.26E-05	2.54E-05	1.67E-05
1389	563873.33	4234503.69	2.74E-04	2.45E-04	4.65E-05	3.92E-05	2.21E-04	1.79E-04	3.63E-05	3.48E-05	2.71E-05	1.78E-05
1390	563877.48	4234513.89	2.90E-04	2.58E-04	4.92E-05	4.14E-05	2.34E-04	1.90E-04	3.83E-05	3.68E-05	2.86E-05	1.88E-05
1391	563881.63	4234524.09	2.95E-04	2.63E-04	5.00E-05	4.22E-05	2.38E-04	1.93E-04	3.90E-05	3.74E-05	2.91E-05	1.91E-05
1392	563885.79	4234534.29	2.98E-04	2.66E-04	5.05E-05	4.26E-05	2.40E-04	1.95E-04	3.94E-05	3.78E-05	2.94E-05	1.93E-05
1393	563889.94	4234544.49	3.03E-04	2.70E-04	5.14E-05	4.33E-05	2.44E-04	1.98E-04	4.00E-05	3.84E-05	2.99E-05	1.96E-05
1394	563894.1	4234554.69	3.09E-04	2.76E-04	5.24E-05	4.42E-05	2.49E-04	2.02E-04	4.09E-05	3.92E-05	3.05E-05	2.00E-05
1395	563898.25	4234564.89	3.16E-04	2.82E-04	5.37E-05	4.52E-05	2.55E-04	2.07E-04	4.18E-05	4.01E-05	3.12E-05	2.05E-05
1396	563902.4	4234575.09	3.25E-04	2.90E-04	5.51E-05	4.64E-05	2.62E-04	2.12E-04	4.29E-05	4.12E-05	3.21E-05	2.10E-05
1397	563906.56	4234585.29	3.48E-04	3.11E-04	5.91E-05	4.98E-05	2.81E-04	2.28E-04	4.60E-05	4.42E-05	3.44E-05	2.26E-05
1398	563910.71	4234595.49	3.51E-04	3.13E-04	5.95E-05	5.02E-05	2.83E-04	2.30E-04	4.64E-05	4.45E-05	3.47E-05	2.27E-05
1399	563914.86	4234605.69	3.52E-04	3.14E-04	5.98E-05	5.04E-05	2.85E-04	2.31E-04	4.66E-05	4.47E-05	3.48E-05	2.28E-05
1400	563919.02	4234615.89	3.48E-04	3.11E-04	5.91E-05	4.98E-05	2.81E-04	2.28E-04	4.60E-05	4.42E-05	3.44E-05	2.26E-05
1401	563923.17	4234626.09	3.43E-04	3.06E-04	5.82E-05	4.90E-05	2.77E-04	2.24E-04	4.53E-05	4.35E-05	3.39E-05	2.22E-05
1402	563260.55	4234599.95	5.26E-03	4.70E-03	8.93E-04	7.53E-04	4.25E-03	3.45E-03	6.96E-04	6.68E-04	5.20E-04	3.41E-04
1403	563266.67	4234592.11	4.70E-03	4.19E-03	7.97E-04	6.72E-04	3.79E-03	3.07E-03	6.21E-04	5.96E-04	4.64E-04	3.04E-04
1404	563257.55	4234585.34	5.27E-03	4.70E-03	8.95E-04	7.54E-04	4.26E-03	3.45E-03	6.97E-04	6.69E-04	5.21E-04	3.42E-04
1405	563272.78	4234584.26	4.23E-03	3.77E-03	7.17E-04	6.05E-04	3.41E-03	2.77E-03	5.59E-04	5.36E-04	4.17E-04	2.74E-04
1406	563263.11	4234577.03	4.76E-03	4.24E-03	8.07E-04	6.80E-04	3.84E-03	3.11E-03	6.29E-04	6.04E-04	4.70E-04	3.08E-04
1407	563277.63	4234575.35	3.89E-03	3.47E-03	6.60E-04	5.56E-04	3.14E-03	2.55E-03	5.14E-04	4.94E-04	3.84E-04	2.52E-04
1408	563285.23	4234581.74	3.57E-03	3.18E-03	6.06E-04	5.10E-04	2.88E-03	2.34E-03	4.72E-04	4.53E-04	3.52E-04	2.31E-04
1409	563268.66	4234568.71	4.32E-03	3.86E-03	7.34E-04	6.18E-04	3.49E-03	2.83E-03	5.72E-04	5.49E-04	4.27E-04	2.80E-04
1410	563283.6	4234567.39	3.55E-03	3.16E-03	6.02E-04	5.07E-04	2.86E-03	2.32E-03	4.69E-04	4.50E-04	3.50E-04	2.30E-04
1411	563292.05	4234574.49	3.24E-03	2.89E-03	5.49E-04	4.63E-04	2.61E-03	2.12E-03	4.28E-04	4.11E-04	3.20E-04	2.10E-04
1412	563274.21	4234560.39	3.96E-03	3.53E-03	6.71E-04	5.66E-04	3.19E-03	2.59E-03	5.23E-04	5.02E-04	3.91E-04	2.56E-04
1413	563294.53	4234550.61	3.01E-03	2.68E-03	5.10E-04	4.30E-04	2.43E-03	1.97E-03	3.97E-04	3.81E-04	2.97E-04	1.95E-04
1414	563302.64	4234557.43	2.76E-03	2.46E-03	4.69E-04	3.95E-04	2.23E-03	1.81E-03	3.65E-04	3.50E-04	2.73E-04	1.79E-04
1415	563285.31	4234543.75	3.33E-03	2.97E-03	5.64E-04	4.76E-04	2.69E-03	2.18E-03	4.40E-04	4.22E-04	3.28E-04	2.16E-04
1416	563306.31	4234534.54	2.56E-03	2.28E-03	4.34E-04	3.66E-04	2.06E-03	1.67E-03	3.38E-04	3.24E-04	2.52E-04	1.66E-04
1417	563315.77	4234542.5	2.33E-03	2.08E-03	3.95E-04	3.33E-04	1.88E-03	1.52E-03	3.08E-04	2.95E-04	2.30E-04	1.51E-04
1418	563296.41	4234527.12	2.83E-03	2.52E-03	4.80E-04	4.04E-04	2.28E-03	1.85E-03	3.74E-04	3.59E-04	2.79E-04	1.83E-04
1419	563317.19	4234517.72	2.24E-03	2.00E-03	3.81E-04	3.21E-04	1.81E-03	1.47E-03	2.97E-04	2.85E-04	2.21E-04	1.45E-04
1420	563326.2	4234525.29	2.06E-03	1.84E-03	3.50E-04	2.95E-04	1.66E-03	1.35E-03	2.73E-04	2.61E-04	2.04E-04	1.34E-04
1421	563335.21	4234532.87	1.89E-03	1.69E-03	3.22E-04	2.71E-04	1.53E-03	1.24E-03	2.51E-04	2.40E-04	1.87E-04	1.23E-04
1422	563307.51	4234510.48	2.46E-03	2.19E-03	4.17E-04	3.52E-04	1.99E-03	1.61E-03	3.25E-04	3.12E-04	2.43E-04	1.59E-04
1423	563328.13	4234500.95	2.00E-03	1.79E-03	3.40E-04	2.86E-04	1.62E-03	1.31E-03	2.65E-04	2.54E-04	1.98E-04	1.30E-04
1424	563336.82	4234508.25	1.85E-03	1.65E-03	3.14E-04	2.65E-04	1.49E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
1425	563345.5	4234515.55	1.71E-03	1.53E-03	2.90E-04	2.45E-04	1.38E-03	1.12E-03	2.26E-04	2.17E-04	1.69E-04	1.11E-04
1426	563318.61	4234493.85	2.18E-03	1.95E-03	3.71E-04	3.12E-04	1.76E-03	1.43E-03	2.89E-04	2.77E-04	2.16E-04	1.42E-04
1427	563339.11	4234484.21	1.81E-03	1.61E-03	3.07E-04	2.59E-04	1.46E-03	1.18E-03	2.39E-04	2.30E-04	1.79E-04	1.17E-04
1428	563347.55	4234491.31	1.69E-03	1.50E-03	2.86E-04	2.41E-04	1.36E-03	1.10E-03	2.23E-04	2.14E-04	1.67E-04	1.09E-04
1429	563356	4234498.41	1.57E-03	1.40E-03	2.66E-04	2.24E-04	1.27E-03	1.03E-03	2.07E-04	1.99E-04	1.55E-04	1.02E-04
1430	563364.45	4234505.51	1.46E-03	1.30E-03	2.47E-04	2.09E-04	1.18E-03	9.54E-04	1.93E-04	1.85E-04	1.44E-04	9.45E-05
1431	563329.71	4234477.21	1.96E-03	1.75E-03	3.32E-04	2.80E-04	1.58E-03	1.28E-03	2.59E-04	2.49E-04	1.93E-04	1.27E-04
1432	563350.63	4234467.93	1.65E-03	1.47E-03	2.80E-04	2.36E-04	1.33E-03	1.08E-03	2.18E-04	2.09E-04	1.63E-04	1.07E-04
1433	563359.92	4234475.74	1.53E-03	1.37E-03	2.60E-04	2.19E-04	1.24E-03	1.00E-03	2.03E-04	1.95E-04	1.51E-04	9.94E-05
1434	563369.21	4234483.55	1.42E-03	1.27E-03	2.41E-04	2.03E-04	1.15E-03	9.30E-04	1.88E-04	1.80E-04	1.40E-04	9.21E-05
1435	563378.51	4234491.36	1.31E-03	1.17E-03	2.23E-04	1.88E-04	1.06E-03	8.60E-04	1.74E-04	1.67E-04	1.30E-04	8.51E-05
1436	563340.82	4234460.57	1.78E-03	1.59E-03	3.02E-04	2.54E-04	1.44E-03	1.16E-03	2.35E-04	2.26E-04	1.76E-04	1.15E-04
1437	563361.59	4234451.17	1.52E-03	1.36E-03	2.58E-04	2.18E-04	1.23E-03	9.95E-04	2.01E-04	1.93E-04	1.50E-04	9.86E-05
1438	563370.6	4234458.75	1.41E-03	1.26E-03	2.40E-04	2.02E-04	1.14E-03	9.26E-04	1.87E-04	1.80E-04	1.40E-04	9.17E-05
1439	563379.61	4234466.32	1.31E-03	1.17E-03	2.23E-04	1.88E-04	1.06E-03	8.60E-04	1.74E-04	1.67E-04	1.30E-04	8.51E-05
1440	563388.62	4234473.9	1.22E-03	1.09E-03	2.07E-04	1.75E-04	9.86E-04	7.99E-04	1.62E-04	1.55E-04	1.21E-04	7.92E-05
1441	563351.92	4234443.94	1.64E-03	1.46E-03	2.78E-04	2.34E-04	1.32E-03	1.07E-03	2.17E-04	2.08E-04	1.62E-04	1.06E-04
1442	563372.58	4234434.44	1.40E-03	1.25E-03	2.38E-04	2.01E-04	1.13E-03	9.18E-04	1.85E-04	1.78E-04	1.39E-04	9.09E-05
1443	563381.37	4234441.83	1.31E-03	1.17E-03	2.22E-04	1.87E-04	1.06E-03	8.56E-04	1.73E-04	1.66E-04	1.29E-04	8.48E-05
1444	563390.15	4234449.21	1.22E-03	1.09E-03	2.07E-04	1.75E-04	9.85E-04	7.98E-04	1.61E-04	1.55E-04	1.21E-04	7.91E-05
1445	563398.94	4234456.6	1.14E-03	1.02E-03	1.93E-04	1.63E-04	9.19E-04	7.45E-04	1.51E-04	1.44E-04	1.12E-04	7.38E-05

1446	563407.72	4234463.98	1.06E-03	9.49E-04	1.80E-04	1.52E-04	8.59E-04	6.96E-04	1.41E-04	1.35E-04	1.05E-04	6.89E-05
1447	563363.02	4234427.3	1.51E-03	1.35E-03	2.56E-04	2.16E-04	1.22E-03	9.88E-04	2.00E-04	1.92E-04	1.49E-04	9.78E-05
1448	563384.02	4234418.09	1.29E-03	1.15E-03	2.20E-04	1.85E-04	1.04E-03	8.47E-04	1.71E-04	1.64E-04	1.28E-04	8.39E-05
1449	563393.48	4234426.04	1.20E-03	1.07E-03	2.04E-04	1.72E-04	9.72E-04	7.88E-04	1.59E-04	1.53E-04	1.19E-04	7.80E-05
1450	563402.94	4234434	1.12E-03	9.98E-04	1.90E-04	1.60E-04	9.04E-04	7.32E-04	1.48E-04	1.42E-04	1.11E-04	7.25E-05
1451	563412.4	4234441.95	1.04E-03	9.28E-04	1.77E-04	1.49E-04	8.40E-04	6.81E-04	1.38E-04	1.32E-04	1.03E-04	6.74E-05
1452	563421.86	4234449.9	9.69E-04	8.64E-04	1.64E-04	1.39E-04	7.82E-04	6.34E-04	1.28E-04	1.23E-04	9.57E-05	6.28E-05
1453	563374.12	4234410.67	1.39E-03	1.24E-03	2.36E-04	1.99E-04	1.12E-03	9.11E-04	1.84E-04	1.77E-04	1.37E-04	9.02E-05
1454	563395	4234401.35	1.20E-03	1.07E-03	2.04E-04	1.72E-04	9.72E-04	7.87E-04	1.59E-04	1.53E-04	1.19E-04	7.80E-05
1455	563404.21	4234409.1	1.12E-03	1.00E-03	1.91E-04	1.61E-04	9.08E-04	7.36E-04	1.49E-04	1.43E-04	1.11E-04	7.29E-05
1456	563413.43	4234416.84	1.05E-03	9.36E-04	1.78E-04	1.50E-04	8.47E-04	6.87E-04	1.39E-04	1.33E-04	1.04E-04	6.80E-05
1457	563422.64	4234424.59	9.79E-04	8.73E-04	1.66E-04	1.40E-04	7.91E-04	6.41E-04	1.29E-04	1.24E-04	9.67E-05	6.35E-05
1458	563431.86	4234432.34	9.20E-04	8.21E-04	1.56E-04	1.32E-04	7.43E-04	6.02E-04	1.22E-04	1.17E-04	9.09E-05	5.96E-05
1459	563385.22	4234394.03	1.29E-03	1.15E-03	2.19E-04	1.84E-04	1.04E-03	8.44E-04	1.71E-04	1.64E-04	1.27E-04	8.36E-05
1460	563417.01	4234367.92	1.05E-03	9.39E-04	1.79E-04	1.50E-04	8.50E-04	6.88E-04	1.39E-04	1.33E-04	1.04E-04	6.82E-05
1461	563425.85	4234375.35	9.91E-04	8.84E-04	1.68E-04	1.42E-04	8.00E-04	6.48E-04	1.31E-04	1.26E-04	9.78E-05	6.42E-05
1462	563434.69	4234382.78	9.31E-04	8.30E-04	1.58E-04	1.33E-04	7.52E-04	6.09E-04	1.23E-04	1.18E-04	9.19E-05	6.03E-05
1463	563443.52	4234390.21	8.74E-04	7.80E-04	1.48E-04	1.25E-04	7.06E-04	5.72E-04	1.16E-04	1.11E-04	8.63E-05	5.66E-05
1464	563407.42	4234360.76	1.13E-03	1.00E-03	1.91E-04	1.61E-04	9.09E-04	7.37E-04	1.49E-04	1.43E-04	1.11E-04	7.29E-05
1465	563439.38	4234334.79	9.57E-04	8.54E-04	1.62E-04	1.37E-04	7.73E-04	6.27E-04	1.27E-04	1.21E-04	9.46E-05	6.21E-05
1466	563494.41	4234381.05	6.62E-04	5.90E-04	1.12E-04	9.46E-05	5.34E-04	4.33E-04	8.75E-05	8.39E-05	6.53E-05	4.29E-05
1467	563429.63	4234327.48	1.02E-03	9.06E-04	1.72E-04	1.45E-04	8.20E-04	6.65E-04	1.34E-04	1.29E-04	1.00E-04	6.59E-05
1468	563499.57	4234333.45	6.74E-04	6.01E-04	1.14E-04	9.63E-05	5.44E-04	4.41E-04	8.91E-05	8.55E-05	6.65E-05	4.37E-05
1469	563509.03	4234341.4	6.33E-04	5.65E-04	1.07E-04	9.05E-05	5.11E-04	4.14E-04	8.37E-05	8.03E-05	6.25E-05	4.10E-05
1470	563518.49	4234349.36	6.01E-04	5.36E-04	1.02E-04	8.59E-05	4.85E-04	3.93E-04	7.95E-05	7.62E-05	5.93E-05	3.89E-05
1471	563492.92	4234275.92	7.33E-04	6.54E-04	1.24E-04	1.05E-04	5.92E-04	4.80E-04	9.69E-05	9.30E-05	7.24E-05	4.75E-05
1472	563502.06	4234283.6	6.95E-04	6.20E-04	1.18E-04	9.94E-05	5.61E-04	4.55E-04	9.19E-05	8.82E-05	6.86E-05	4.50E-05
1473	563511.2	4234291.29	6.58E-04	5.87E-04	1.12E-04	9.41E-05	5.31E-04	4.30E-04	8.70E-05	8.35E-05	6.50E-05	4.26E-05
1474	563520.34	4234298.98	6.26E-04	5.58E-04	1.06E-04	8.95E-05	5.05E-04	4.10E-04	8.28E-05	7.94E-05	6.18E-05	4.06E-05
1475	563529.49	4234306.66	5.97E-04	5.33E-04	1.01E-04	8.54E-05	4.82E-04	3.91E-04	7.90E-05	7.58E-05	5.90E-05	3.87E-05
1476	563538.63	4234314.35	5.75E-04	5.12E-04	9.75E-05	8.22E-05	4.64E-04	3.76E-04	7.60E-05	7.29E-05	5.67E-05	3.72E-05
1477	563547.77	4234322.03	5.56E-04	4.96E-04	9.44E-05	7.95E-05	4.49E-04	3.64E-04	7.36E-05	7.06E-05	5.49E-05	3.61E-05
1478	563506.1	4234235.06	6.97E-04	6.22E-04	1.18E-04	9.97E-05	5.63E-04	4.56E-04	9.22E-05	8.85E-05	6.89E-05	4.52E-05
1479	563515.48	4234242.95	6.68E-04	5.95E-04	1.13E-04	9.55E-05	5.39E-04	4.37E-04	8.83E-05	8.47E-05	6.59E-05	4.33E-05
1480	563524.87	4234250.84	6.41E-04	5.72E-04	1.09E-04	9.17E-05	5.17E-04	4.19E-04	8.48E-05	8.13E-05	6.33E-05	4.15E-05
1481	563534.25	4234258.73	6.15E-04	5.48E-04	1.04E-04	8.79E-05	4.96E-04	4.02E-04	8.13E-05	7.80E-05	6.07E-05	3.98E-05
1482	563543.64	4234266.62	5.89E-04	5.25E-04	9.99E-05	8.42E-05	4.75E-04	3.85E-04	7.78E-05	7.47E-05	5.81E-05	3.81E-05
1483	563553.03	4234274.51	5.63E-04	5.02E-04	9.56E-05	8.05E-05	4.55E-04	3.69E-04	7.45E-05	7.15E-05	5.56E-05	3.65E-05
1484	563562.41	4234282.4	5.39E-04	4.81E-04	9.14E-05	7.70E-05	4.35E-04	3.53E-04	7.12E-05	6.84E-05	5.32E-05	3.49E-05
1485	563571.8	4234290.29	5.16E-04	4.60E-04	8.75E-05	7.38E-05	4.16E-04	3.37E-04	6.82E-05	6.54E-05	5.09E-05	3.34E-05
1486	563581.18	4234298.18	4.94E-04	4.41E-04	8.38E-05	7.06E-05	3.99E-04	3.23E-04	6.53E-05	6.27E-05	4.88E-05	3.20E-05
1487	563496.24	4234227.67	7.26E-04	6.48E-04	1.23E-04	1.04E-04	5.86E-04	4.75E-04	9.60E-05	9.21E-05	7.17E-05	4.70E-05
1488	563528.17	4234201.68	6.50E-04	5.80E-04	1.10E-04	9.29E-05	5.25E-04	4.25E-04	8.59E-05	8.25E-05	6.42E-05	4.21E-05
1489	563537.29	4234209.35	6.29E-04	5.61E-04	1.07E-04	9.00E-05	5.08E-04	4.12E-04	8.32E-05	7.98E-05	6.21E-05	4.08E-05
1490	563546.42	4234217.02	6.08E-04	5.42E-04	1.03E-04	8.70E-05	4.91E-04	3.98E-04	8.04E-05	7.71E-05	6.00E-05	3.94E-05
1491	563555.54	4234224.69	5.87E-04	5.24E-04	9.96E-05	8.40E-05	4.74E-04	3.84E-04	7.76E-05	7.45E-05	5.80E-05	3.80E-05
1492	563564.66	4234232.36	5.66E-04	5.05E-04	9.60E-05	8.09E-05	4.57E-04	3.70E-04	7.48E-05	7.18E-05	5.59E-05	3.67E-05
1493	563573.78	4234240.02	5.45E-04	4.86E-04	9.25E-05	7.79E-05	4.40E-04	3.57E-04	7.21E-05	6.91E-05	5.38E-05	3.53E-05
1494	563582.91	4234247.69	5.25E-04	4.68E-04	8.90E-05	7.50E-05	4.24E-04	3.43E-04	6.94E-05	6.66E-05	5.18E-05	3.40E-05
1495	563592.03	4234255.36	5.04E-04	4.49E-04	8.55E-05	7.20E-05	4.07E-04	3.30E-04	6.66E-05	6.39E-05	4.98E-05	3.27E-05
1496	563601.15	4234263.03	4.75E-04	4.24E-04	8.07E-05	6.80E-05	3.84E-04	3.11E-04	6.29E-05	6.03E-05	4.70E-05	3.08E-05
1497	563610.27	4234270.7	4.49E-04	4.00E-04	7.61E-05	6.41E-05	3.62E-04	2.94E-04	5.93E-05	5.69E-05	4.43E-05	2.91E-05
1498	563518.44	4234194.4	6.72E-04	5.99E-04	1.14E-04	9.61E-05	5.43E-04	4.40E-04	8.89E-05	8.53E-05	6.64E-05	4.36E-05
1499	563550.48	4234168.5	6.15E-04	5.48E-04	1.04E-04	8.79E-05	4.96E-04	4.02E-04	8.13E-05	7.80E-05	6.07E-05	3.98E-05
1500	563559.81	4234176.34	5.97E-04	5.33E-04	1.01E-04	8.54E-05	4.82E-04	3.91E-04	7.90E-05	7.58E-05	5.90E-05	3.87E-05
1501	563569.14	4234184.19	5.80E-04	5.18E-04	9.85E-05	8.30E-05	4.69E-04	3.80E-04	7.67E-05	7.36E-05	5.73E-05	3.76E-05
1502	563578.47	4234192.03	5.63E-04	5.02E-04	9.55E-05	8.05E-05	4.54E-04	3.68E-04	7.44E-05	7.14E-05	5.56E-05	3.65E-05
1503	563587.8	4234199.87	5.45E-04	4.86E-04	9.25E-05	7.80E-05	4.40E-04	3.57E-04	7.21E-05	6.92E-05	5.38E-05	3.53E-05
1504	563597.14	4234207.72	5.21E-04	4.65E-04	8.85E-05	7.45E-05	4.21E-04	3.41E-04	6.89E-05	6.61E-05	5.15E-05	3.38E-05
1505	563606.47	4234215.56	4.93E-04	4.40E-04	8.37E-05	7.06E-05	3.98E-04	3.23E-04	6.53E-05	6.26E-05	4.87E-05	3.20E-05
1506	563615.8	4234223.41	4.66E-04	4.16E-04	7.91E-05	6.67E-05	3.76E-04	3.05E-04	6.17E-05	5.92E-05	4.60E-05	3.02E-05
1507	563625.13	4234231.25	4.40E-04	3.92E-04	7.46E-05	6.29E-05	3.55E-04	2.88E-04	5.81E-05	5.58E-05	4.34E-05	2.85E-05
1508	563634.46	4234239.1	4.14E-04	3.69E-04	7.03E-05	5.92E-05	3.34E-04	2.71E-04	5.48E-05	5.25E-05	4.09E-05	2.68E-05
1509	563540.64	4234161.12	6.32E-04	5.64E-04	1.07E-04	9.04E-05	5.10E-04	4.14E-04	8.36E-05	8.02E-05	6.24E-05	4.10E-05
1510	563572.57	4234135.13	5.86E-04	5.23E-04	9.95E-05	8.38E-05	4.73E-04	3.84E-04	7.75E-05	7.44E-05	5.79E-05	3.80E-05
1511	563581.68	4234142.79	5.66E-04	5.05E-04	9.60E-05	8.09E-05	4.57E-04	3.70E-04	7.48E-05	7.18E-05	5.59E-05	3.67E-05
1512	563590.78	4234150.44	5.43E-04	4.85E-04	9.22E-05	7.77E-05	4.39E-04	3.56E-04	7.19E-05	6.90E-05	5.37E-05	3.52E-05
1513	563599.89	4234158.1	5.22E-04	4.66E-04	8.86E-05	7.47E-05	4.22E-04	3.42E-04	6.91E-05	6.63E-05	5.16E-05	3.38E-05
1514	563609	4234165.76	5.10E-04	4.55E-04	8.65E-05	7.29E-05	4.12E-04	3.34E-04	6.74E-05	6.47E-05	5.04E-05	3.30E-05

1515	563618.11	4234173.41	4.90E-04	4.37E-04	8.32E-05	7.01E-05	3.96E-04	3.21E-04	6.49E-05	6.22E-05	4.84E-05	3.18E-05
1516	563627.22	4234181.07	4.66E-04	4.16E-04	7.91E-05	6.67E-05	3.76E-04	3.05E-04	6.16E-05	5.91E-05	4.60E-05	3.02E-05
1517	563636.32	4234188.72	4.42E-04	3.94E-04	7.50E-05	6.32E-05	3.57E-04	2.89E-04	5.85E-05	5.61E-05	4.37E-05	2.87E-05
1518	563645.43	4234196.38	4.18E-04	3.73E-04	7.09E-05	5.98E-05	3.37E-04	2.74E-04	5.53E-05	5.30E-05	4.13E-05	2.71E-05
1519	563654.54	4234204.04	3.94E-04	3.51E-04	6.69E-05	5.63E-05	3.18E-04	2.58E-04	5.21E-05	5.00E-05	3.89E-05	2.55E-05
1520	563663.65	4234211.69	3.70E-04	3.30E-04	6.27E-05	5.29E-05	2.99E-04	2.42E-04	4.89E-05	4.69E-05	3.65E-05	2.40E-05
1521	563562.84	4234127.85	6.00E-04	5.35E-04	1.02E-04	8.58E-05	4.84E-04	3.93E-04	7.93E-05	7.61E-05	5.93E-05	3.89E-05
1522	563594.86	4234101.94	5.43E-04	4.85E-04	9.22E-05	7.77E-05	4.39E-04	3.56E-04	7.18E-05	6.89E-05	5.37E-05	3.52E-05
1523	563604.15	4234109.75	5.24E-04	4.68E-04	8.90E-05	7.50E-05	4.23E-04	3.43E-04	6.94E-05	6.65E-05	5.18E-05	3.40E-05
1524	563613.45	4234117.56	5.11E-04	4.55E-04	8.66E-05	7.30E-05	4.12E-04	3.34E-04	6.75E-05	6.48E-05	5.04E-05	3.31E-05
1525	563622.74	4234125.37	5.00E-04	4.46E-04	8.48E-05	7.15E-05	4.04E-04	3.27E-04	6.61E-05	6.34E-05	4.94E-05	3.24E-05
1526	563632.03	4234133.18	4.79E-04	4.27E-04	8.12E-05	6.85E-05	3.87E-04	3.13E-04	6.33E-05	6.08E-05	4.73E-05	3.10E-05
1527	563641.32	4234140.99	4.57E-04	4.08E-04	7.75E-05	6.53E-05	3.69E-04	2.99E-04	6.04E-05	5.80E-05	4.51E-05	2.96E-05
1528	563650.61	4234148.8	4.34E-04	3.87E-04	7.37E-05	6.21E-05	3.51E-04	2.84E-04	5.74E-05	5.51E-05	4.29E-05	2.81E-05
1529	563659.9	4234156.61	4.12E-04	3.67E-04	6.98E-05	5.89E-05	3.32E-04	2.69E-04	5.44E-05	5.22E-05	4.06E-05	2.67E-05
1530	563669.2	4234164.42	3.89E-04	3.47E-04	6.60E-05	5.56E-05	3.14E-04	2.54E-04	5.14E-05	4.93E-05	3.84E-05	2.52E-05
1531	563678.49	4234172.23	3.66E-04	3.26E-04	6.21E-05	5.23E-05	2.95E-04	2.39E-04	4.84E-05	4.64E-05	3.61E-05	2.37E-05
1532	563585.05	4234094.58	5.62E-04	5.02E-04	9.54E-05	8.04E-05	4.54E-04	3.68E-04	7.44E-05	7.13E-05	5.55E-05	3.64E-05
1533	563617.15	4234068.73	5.04E-04	4.50E-04	8.56E-05	7.21E-05	4.07E-04	3.30E-04	6.67E-05	6.40E-05	4.98E-05	3.27E-05
1534	563626.61	4234076.69	4.88E-04	4.35E-04	8.27E-05	6.97E-05	3.94E-04	3.19E-04	6.45E-05	6.19E-05	4.82E-05	3.16E-05
1535	563636.07	4234084.64	4.72E-04	4.21E-04	8.01E-05	6.75E-05	3.81E-04	3.09E-04	6.24E-05	5.99E-05	4.66E-05	3.06E-05
1536	563645.53	4234092.59	4.62E-04	4.12E-04	7.83E-05	6.60E-05	3.73E-04	3.02E-04	6.11E-05	5.86E-05	4.56E-05	2.99E-05
1537	563654.99	4234100.55	4.48E-04	3.99E-04	7.59E-05	6.40E-05	3.61E-04	2.93E-04	5.92E-05	5.68E-05	4.42E-05	2.90E-05
1538	563664.45	4234108.5	4.27E-04	3.81E-04	7.25E-05	6.11E-05	3.45E-04	2.80E-04	5.65E-05	5.42E-05	4.22E-05	2.77E-05
1539	563673.91	4234116.45	4.06E-04	3.62E-04	6.88E-05	5.80E-05	3.28E-04	2.65E-04	5.36E-05	5.15E-05	4.01E-05	2.63E-05
1540	563607.25	4234061.31	5.22E-04	4.65E-04	8.85E-05	7.46E-05	4.21E-04	3.41E-04	6.90E-05	6.62E-05	5.15E-05	3.38E-05
1541	563214.04	4234603.02	1.22E-02	1.08E-02	2.06E-03	1.74E-03	9.82E-03	7.96E-03	1.61E-03	1.54E-03	1.20E-03	7.88E-04
1542	563197.83	4234601.62	1.59E-02	1.42E-02	2.70E-03	2.28E-03	1.28E-02	1.04E-02	2.10E-03	2.02E-03	1.57E-03	1.03E-03
1543	563214.9	4234593.06	1.10E-02	9.80E-03	1.86E-03	1.57E-03	8.87E-03	7.19E-03	1.45E-03	1.39E-03	1.08E-03	7.12E-04
1544	563198.69	4234591.66	1.41E-02	1.26E-02	2.40E-03	2.02E-03	1.14E-02	9.24E-03	1.87E-03	1.79E-03	1.39E-03	9.15E-04
1545	563215.76	4234583.09	1.00E-02	8.94E-03	1.70E-03	1.43E-03	8.09E-03	6.56E-03	1.33E-03	1.27E-03	9.90E-04	6.49E-04
1546	563199.55	4234581.69	1.27E-02	1.13E-02	2.15E-03	1.81E-03	1.02E-02	8.29E-03	1.68E-03	1.61E-03	1.25E-03	8.21E-04
1547	563216.62	4234573.13	9.22E-03	8.22E-03	1.56E-03	1.32E-03	7.44E-03	6.03E-03	1.22E-03	1.17E-03	9.11E-04	5.98E-04
1548	563200.41	4234571.73	1.15E-02	1.02E-02	1.95E-03	1.64E-03	9.27E-03	7.51E-03	1.52E-03	1.46E-03	1.13E-03	7.44E-04
1549	563217.48	4234563.17	8.54E-03	7.62E-03	1.45E-03	1.22E-03	6.89E-03	5.59E-03	1.13E-03	1.08E-03	8.43E-04	5.53E-04
1550	563201.28	4234561.77	1.05E-02	9.35E-03	1.78E-03	1.50E-03	8.46E-03	6.86E-03	1.39E-03	1.33E-03	1.03E-03	6.79E-04
1551	563218.34	4234553.2	7.95E-03	7.09E-03	1.35E-03	1.14E-03	6.42E-03	5.20E-03	1.05E-03	1.01E-03	7.85E-04	5.15E-04
1552	563202.14	4234551.8	9.62E-03	8.59E-03	1.63E-03	1.38E-03	7.77E-03	6.30E-03	1.27E-03	1.22E-03	9.50E-04	6.24E-04
1553	563260.81	4234555.69	4.65E-03	4.15E-03	7.90E-04	6.66E-04	3.76E-03	3.05E-03	6.15E-04	5.91E-04	4.60E-04	3.02E-04
1554	563219.2	4234543.24	7.43E-03	6.63E-03	1.26E-03	1.06E-03	6.00E-03	4.86E-03	9.83E-04	9.43E-04	7.34E-04	4.82E-04
1555	563203	4234541.84	8.87E-03	7.92E-03	1.51E-03	1.27E-03	7.16E-03	5.81E-03	1.17E-03	1.13E-03	8.76E-04	5.75E-04
1556	563264.2	4234536.35	4.23E-03	3.78E-03	7.19E-04	6.06E-04	3.42E-03	2.77E-03	5.60E-04	5.37E-04	4.18E-04	2.74E-04
1557	563220.92	4234523.32	6.56E-03	5.86E-03	1.11E-03	9.39E-04	5.30E-03	4.30E-03	8.68E-04	8.33E-04	6.48E-04	4.25E-04
1558	563204.72	4234521.92	7.62E-03	6.80E-03	1.29E-03	1.09E-03	6.15E-03	4.99E-03	1.01E-03	9.67E-04	7.53E-04	4.94E-04
1559	563267.23	4234516.88	3.86E-03	3.45E-03	6.56E-04	5.53E-04	3.12E-03	2.53E-03	5.11E-04	4.90E-04	3.82E-04	2.50E-04
1560	563281.82	4234522	3.31E-03	2.95E-03	5.62E-04	4.73E-04	2.67E-03	2.17E-03	4.38E-04	4.20E-04	3.27E-04	2.15E-04
1561	563222.65	4234503.39	5.78E-03	5.16E-03	9.81E-04	8.27E-04	4.67E-03	3.78E-03	7.64E-04	7.33E-04	5.71E-04	3.75E-04
1562	563206.44	4234501.99	6.61E-03	5.90E-03	1.12E-03	9.45E-04	5.34E-03	4.32E-03	8.74E-04	8.39E-04	6.53E-04	4.28E-04
1563	563254.98	4234492.06	4.08E-03	3.64E-03	6.92E-04	5.83E-04	3.29E-03	2.67E-03	5.39E-04	5.17E-04	4.03E-04	2.64E-04
1564	563269.99	4234497.32	3.58E-03	3.20E-03	6.08E-04	5.12E-04	2.89E-03	2.34E-03	4.74E-04	4.54E-04	3.54E-04	2.32E-04
1565	563285	4234502.59	3.09E-03	2.76E-03	5.24E-04	4.42E-04	2.49E-03	2.02E-03	4.09E-04	3.92E-04	3.05E-04	2.00E-04
1566	563224.37	4234483.46	5.12E-03	4.57E-03	8.69E-04	7.32E-04	4.13E-03	3.35E-03	6.77E-04	6.50E-04	5.06E-04	3.32E-04
1567	563208.16	4234482.06	5.79E-03	5.16E-03	9.82E-04	8.28E-04	4.67E-03	3.79E-03	7.65E-04	7.34E-04	5.71E-04	3.75E-04
1568	563257.22	4234472.31	3.76E-03	3.36E-03	6.38E-04	5.38E-04	3.04E-03	2.46E-03	4.98E-04	4.77E-04	3.72E-04	2.44E-04
1569	563272.56	4234477.7	3.35E-03	2.98E-03	5.68E-04	4.78E-04	2.70E-03	2.19E-03	4.42E-04	4.24E-04	3.30E-04	2.17E-04
1570	563287.91	4234483.08	2.91E-03	2.60E-03	4.94E-04	4.16E-04	2.35E-03	1.90E-03	3.85E-04	3.69E-04	2.87E-04	1.89E-04
1571	563303.26	4234488.46	2.51E-03	2.24E-03	4.27E-04	3.60E-04	2.03E-03	1.65E-03	3.33E-04	3.19E-04	2.48E-04	1.63E-04
1572	563226.09	4234463.54	4.64E-03	4.14E-03	7.87E-04	6.63E-04	3.75E-03	3.04E-03	6.13E-04	5.89E-04	4.58E-04	3.01E-04
1573	563209.88	4234462.14	5.17E-03	4.61E-03	8.76E-04	7.39E-04	4.17E-03	3.38E-03	6.83E-04	6.55E-04	5.10E-04	3.35E-04
1574	563257.56	4234451.9	3.52E-03	3.14E-03	5.98E-04	5.04E-04	2.84E-03	2.31E-03	4.66E-04	4.47E-04	3.48E-04	2.28E-04
1575	563271.99	4234456.96	3.21E-03	2.86E-03	5.44E-04	4.58E-04	2.59E-03	2.10E-03	4.24E-04	4.07E-04	3.17E-04	2.08E-04
1576	563286.42	4234462.03	2.85E-03	2.54E-03	4.83E-04	4.07E-04	2.30E-03	1.86E-03	3.77E-04	3.61E-04	2.81E-04	1.85E-04
1577	563300.85	4234467.09	2.51E-03	2.24E-03	4.26E-04	3.59E-04	2.03E-03	1.64E-03	3.32E-04	3.19E-04	2.48E-04	1.63E-04
1578	563315.28	4234472.15	2.22E-03	1.98E-03	3.77E-04	3.18E-04	1.79E-03	1.45E-03	2.94E-04	2.82E-04	2.19E-04	1.44E-04
1579	563227.81	4234443.61	4.18E-03	3.73E-03	7.10E-04	5.98E-04	3.38E-03	2.74E-03	5.53E-04	5.31E-04	4.13E-04	2.71E-04
1580	563211.6	4234442.21	4.61E-03	4.11E-03	7.82E-04	6.59E-04	3.72E-03	3.02E-03	6.09E-04	5.85E-04	4.55E-04	2.99E-04
1581	563259.74	4234432.14	3.23E-03	2.88E-03	5.48E-04	4.62E-04	2.61E-03	2.11E-03	4.27E-04	4.10E-04	3.19E-04	2.09E-04
1582	563274.48	4234437.31	2.96E-03	2.64E-03	5.02E-04	4.23E-04	2.39E-03	1.94E-03	3.91E-04	3.75E-04	2.92E-04	1.92E-04
1583	563289.22	4234442.48	2.67E-03	2.38E-03	4.53E-04	3.82E-04	2.16E-03	1.75E-03	3.53E-04	3.39E-04	2.64E-04	1.73E-04

1584	563303.97	4234447.65	2.38E-03	2.13E-03	4.04E-04	3.41E-04	1.92E-03	1.56E-03	3.15E-04	3.02E-04	2.35E-04	1.54E-04
1585	563318.71	4234452.82	2.13E-03	1.90E-03	3.61E-04	3.04E-04	1.72E-03	1.39E-03	2.81E-04	2.70E-04	2.10E-04	1.38E-04
1586	563229.53	4234423.69	3.78E-03	3.37E-03	6.41E-04	5.41E-04	3.05E-03	2.47E-03	5.00E-04	4.80E-04	3.73E-04	2.45E-04
1587	563213.32	4234422.29	4.13E-03	3.69E-03	7.01E-04	5.91E-04	3.34E-03	2.70E-03	5.47E-04	5.24E-04	4.08E-04	2.68E-04
1588	563261.87	4234412.36	3.00E-03	2.67E-03	5.08E-04	4.29E-04	2.42E-03	1.96E-03	3.96E-04	3.80E-04	2.96E-04	1.94E-04
1589	563276.88	4234417.62	2.76E-03	2.46E-03	4.68E-04	3.94E-04	2.23E-03	1.80E-03	3.65E-04	3.50E-04	2.72E-04	1.79E-04
1590	563291.88	4234422.88	2.51E-03	2.24E-03	4.26E-04	3.59E-04	2.03E-03	1.64E-03	3.32E-04	3.19E-04	2.48E-04	1.63E-04
1591	563306.89	4234428.15	2.27E-03	2.03E-03	3.86E-04	3.25E-04	1.84E-03	1.49E-03	3.01E-04	2.88E-04	2.24E-04	1.47E-04
1592	563321.9	4234433.41	2.05E-03	1.83E-03	3.48E-04	2.93E-04	1.66E-03	1.34E-03	2.71E-04	2.60E-04	2.03E-04	1.33E-04
1593	563336.91	4234438.67	1.84E-03	1.64E-03	3.12E-04	2.63E-04	1.48E-03	1.20E-03	2.43E-04	2.33E-04	1.81E-04	1.19E-04
1594	563215.05	4234402.36	3.77E-03	3.36E-03	6.40E-04	5.39E-04	3.04E-03	2.47E-03	4.99E-04	4.78E-04	3.72E-04	2.44E-04
1595	563263.94	4234392.55	2.80E-03	2.50E-03	4.75E-04	4.01E-04	2.26E-03	1.83E-03	3.70E-04	3.55E-04	2.77E-04	1.82E-04
1596	563279.18	4234397.9	2.59E-03	2.31E-03	4.40E-04	3.71E-04	2.09E-03	1.70E-03	3.43E-04	3.29E-04	2.56E-04	1.68E-04
1597	563294.43	4234403.25	2.38E-03	2.12E-03	4.04E-04	3.40E-04	1.92E-03	1.56E-03	3.15E-04	3.02E-04	2.35E-04	1.54E-04
1598	563309.67	4234408.59	2.17E-03	1.93E-03	3.67E-04	3.10E-04	1.75E-03	1.42E-03	2.86E-04	2.75E-04	2.14E-04	1.40E-04
1599	563324.91	4234413.94	1.97E-03	1.76E-03	3.34E-04	2.81E-04	1.59E-03	1.29E-03	2.60E-04	2.50E-04	1.94E-04	1.28E-04
1600	563340.15	4234419.28	1.78E-03	1.59E-03	3.02E-04	2.55E-04	1.44E-03	1.17E-03	2.36E-04	2.26E-04	1.76E-04	1.15E-04
1601	563216.77	4234382.43	3.46E-03	3.08E-03	5.87E-04	4.94E-04	2.79E-03	2.26E-03	4.57E-04	4.39E-04	3.41E-04	2.24E-04
1602	563264.68	4234372.28	2.64E-03	2.36E-03	4.48E-04	3.78E-04	2.13E-03	1.73E-03	3.49E-04	3.35E-04	2.61E-04	1.71E-04
1603	563279.28	4234377.4	2.47E-03	2.20E-03	4.19E-04	3.53E-04	1.99E-03	1.62E-03	3.27E-04	3.13E-04	2.44E-04	1.60E-04
1604	563293.87	4234382.52	2.29E-03	2.05E-03	3.89E-04	3.28E-04	1.85E-03	1.50E-03	3.03E-04	2.91E-04	2.26E-04	1.49E-04
1605	563308.46	4234387.64	2.11E-03	1.88E-03	3.58E-04	3.02E-04	1.70E-03	1.38E-03	2.79E-04	2.68E-04	2.08E-04	1.37E-04
1606	563323.05	4234392.75	1.93E-03	1.72E-03	3.28E-04	2.76E-04	1.56E-03	1.26E-03	2.55E-04	2.45E-04	1.91E-04	1.25E-04
1607	563337.64	4234397.87	1.76E-03	1.57E-03	2.99E-04	2.52E-04	1.42E-03	1.15E-03	2.33E-04	2.24E-04	1.74E-04	1.14E-04
1608	563352.23	4234402.99	1.61E-03	1.44E-03	2.74E-04	2.31E-04	1.30E-03	1.06E-03	2.13E-04	2.05E-04	1.59E-04	1.05E-04
1609	563218.49	4234362.51	3.18E-03	2.84E-03	5.40E-04	4.55E-04	2.57E-03	2.08E-03	4.21E-04	4.04E-04	3.15E-04	2.06E-04
1610	563266.74	4234352.47	2.48E-03	2.21E-03	4.21E-04	3.54E-04	2.00E-03	1.62E-03	3.28E-04	3.15E-04	2.45E-04	1.61E-04
1611	563281.55	4234357.67	2.33E-03	2.08E-03	3.95E-04	3.33E-04	1.88E-03	1.52E-03	3.08E-04	2.96E-04	2.30E-04	1.51E-04
1612	563296.36	4234362.86	2.17E-03	1.94E-03	3.69E-04	3.11E-04	1.75E-03	1.42E-03	2.87E-04	2.76E-04	2.15E-04	1.41E-04
1613	563311.17	4234368.06	2.01E-03	1.79E-03	3.41E-04	2.88E-04	1.62E-03	1.32E-03	2.66E-04	2.55E-04	1.99E-04	1.30E-04
1614	563325.98	4234373.25	1.85E-03	1.65E-03	3.14E-04	2.64E-04	1.49E-03	1.21E-03	2.44E-04	2.35E-04	1.83E-04	1.20E-04
1615	563340.79	4234378.45	1.70E-03	1.52E-03	2.88E-04	2.43E-04	1.37E-03	1.11E-03	2.25E-04	2.16E-04	1.68E-04	1.10E-04
1616	563355.6	4234383.64	1.56E-03	1.39E-03	2.65E-04	2.24E-04	1.26E-03	1.02E-03	2.07E-04	1.98E-04	1.54E-04	1.01E-04
1617	563370.41	4234388.83	1.43E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.34E-04	1.89E-04	1.81E-04	1.41E-04	9.25E-05
1618	563220.21	4234342.58	2.95E-03	2.63E-03	5.00E-04	4.21E-04	2.38E-03	1.93E-03	3.90E-04	3.74E-04	2.91E-04	1.91E-04
1619	563270.74	4234312.82	2.20E-03	1.96E-03	3.73E-04	3.15E-04	1.78E-03	1.44E-03	2.91E-04	2.79E-04	2.17E-04	1.43E-04
1620	563285.93	4234318.15	2.10E-03	1.87E-03	3.56E-04	3.00E-04	1.69E-03	1.37E-03	2.77E-04	2.66E-04	2.07E-04	1.36E-04
1621	563301.12	4234323.47	1.98E-03	1.77E-03	3.36E-04	2.83E-04	1.60E-03	1.29E-03	2.62E-04	2.51E-04	1.95E-04	1.28E-04
1622	563316.3	4234328.8	1.86E-03	1.66E-03	3.15E-04	2.65E-04	1.50E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
1623	563331.49	4234334.13	1.74E-03	1.55E-03	2.95E-04	2.49E-04	1.40E-03	1.14E-03	2.30E-04	2.21E-04	1.72E-04	1.13E-04
1624	563346.68	4234339.45	1.60E-03	1.43E-03	2.72E-04	2.29E-04	1.29E-03	1.05E-03	2.12E-04	2.03E-04	1.58E-04	1.04E-04
1625	563361.86	4234344.78	1.47E-03	1.32E-03	2.50E-04	2.11E-04	1.19E-03	9.65E-04	1.95E-04	1.87E-04	1.46E-04	9.56E-05
1626	563377.05	4234350.1	1.36E-03	1.21E-03	2.31E-04	1.94E-04	1.10E-03	8.90E-04	1.80E-04	1.72E-04	1.34E-04	8.81E-05
1627	563392.24	4234355.43	1.24E-03	1.11E-03	2.11E-04	1.78E-04	1.00E-03	8.14E-04	1.64E-04	1.58E-04	1.23E-04	8.06E-05
1628	563223.65	4234302.73	2.55E-03	2.27E-03	4.32E-04	3.64E-04	2.06E-03	1.67E-03	3.37E-04	3.23E-04	2.52E-04	1.65E-04
1629	563258.83	4234267.58	2.06E-03	1.84E-03	3.50E-04	2.95E-04	1.67E-03	1.35E-03	2.73E-04	2.62E-04	2.04E-04	1.34E-04
1630	563273.68	4234272.79	1.98E-03	1.76E-03	3.36E-04	2.83E-04	1.60E-03	1.29E-03	2.62E-04	2.51E-04	1.95E-04	1.28E-04
1631	563288.53	4234278	1.91E-03	1.70E-03	3.24E-04	2.73E-04	1.54E-03	1.25E-03	2.53E-04	2.42E-04	1.89E-04	1.24E-04
1632	563303.39	4234283.21	1.84E-03	1.64E-03	3.12E-04	2.63E-04	1.49E-03	1.20E-03	2.43E-04	2.34E-04	1.82E-04	1.19E-04
1633	563318.24	4234288.42	1.75E-03	1.56E-03	2.98E-04	2.51E-04	1.42E-03	1.15E-03	2.32E-04	2.23E-04	1.73E-04	1.14E-04
1634	563333.09	4234293.63	1.65E-03	1.47E-03	2.80E-04	2.36E-04	1.33E-03	1.08E-03	2.19E-04	2.10E-04	1.63E-04	1.07E-04
1635	563347.94	4234298.84	1.55E-03	1.39E-03	2.63E-04	2.22E-04	1.25E-03	1.02E-03	2.05E-04	1.97E-04	1.53E-04	1.01E-04
1636	563362.79	4234304.05	1.46E-03	1.30E-03	2.48E-04	2.09E-04	1.18E-03	9.57E-04	1.93E-04	1.86E-04	1.44E-04	9.48E-05
1637	563377.65	4234309.25	1.35E-03	1.21E-03	2.30E-04	1.94E-04	1.09E-03	8.86E-04	1.79E-04	1.72E-04	1.34E-04	8.78E-05
1638	563392.5	4234314.46	1.25E-03	1.12E-03	2.13E-04	1.79E-04	1.01E-03	8.20E-04	1.66E-04	1.59E-04	1.24E-04	8.12E-05
1639	563407.35	4234319.67	1.15E-03	1.03E-03	1.96E-04	1.65E-04	9.33E-04	7.56E-04	1.53E-04	1.47E-04	1.14E-04	7.49E-05
1640	563227.09	4234262.88	2.24E-03	2.00E-03	3.80E-04	3.21E-04	1.81E-03	1.47E-03	2.96E-04	2.84E-04	2.21E-04	1.45E-04
1641	563262.42	4234227.79	1.88E-03	1.68E-03	3.19E-04	2.69E-04	1.52E-03	1.23E-03	2.49E-04	2.39E-04	1.86E-04	1.22E-04
1642	563277.58	4234233.1	1.82E-03	1.63E-03	3.09E-04	2.61E-04	1.47E-03	1.19E-03	2.41E-04	2.31E-04	1.80E-04	1.18E-04
1643	563292.73	4234238.41	1.75E-03	1.56E-03	2.98E-04	2.51E-04	1.42E-03	1.15E-03	2.32E-04	2.22E-04	1.73E-04	1.14E-04
1644	563307.88	4234243.73	1.68E-03	1.50E-03	2.86E-04	2.41E-04	1.36E-03	1.10E-03	2.23E-04	2.14E-04	1.66E-04	1.09E-04
1645	563323.03	4234249.04	1.63E-03	1.45E-03	2.76E-04	2.33E-04	1.31E-03	1.06E-03	2.15E-04	2.06E-04	1.61E-04	1.05E-04
1646	563338.19	4234254.36	1.55E-03	1.39E-03	2.64E-04	2.22E-04	1.26E-03	1.02E-03	2.06E-04	1.97E-04	1.54E-04	1.01E-04
1647	563353.34	4234259.67	1.46E-03	1.30E-03	2.48E-04	2.09E-04	1.18E-03	9.56E-04	1.93E-04	1.85E-04	1.44E-04	9.47E-05
1648	563368.49	4234264.98	1.37E-03	1.22E-03	2.32E-04	1.96E-04	1.10E-03	8.95E-04	1.81E-04	1.74E-04	1.35E-04	8.87E-05
1649	563383.64	4234270.3	1.28E-03	1.14E-03	2.17E-04	1.83E-04	1.03E-03	8.36E-04	1.69E-04	1.62E-04	1.26E-04	8.28E-05
1650	563398.8	4234275.61	1.19E-03	1.06E-03	2.02E-04	1.70E-04	9.59E-04	7.77E-04	1.57E-04	1.51E-04	1.17E-04	7.70E-05
1651	563413.95	4234280.93	1.10E-03	9.83E-04	1.87E-04	1.58E-04	8.90E-04	7.21E-04	1.46E-04	1.40E-04	1.09E-04	7.14E-05
1652	563429.1	4234286.24	1.02E-03	9.10E-04	1.73E-04	1.46E-04	8.24E-04	6.68E-04	1.35E-04	1.29E-04	1.01E-04	6.61E-05

1653	563230.54	4234223.03	2.02E-03	1.80E-03	3.42E-04	2.88E-04	1.63E-03	1.32E-03	2.67E-04	2.56E-04	1.99E-04	1.31E-04
1654	563265.73	4234187.89	1.70E-03	1.51E-03	2.88E-04	2.43E-04	1.37E-03	1.11E-03	2.24E-04	2.15E-04	1.68E-04	1.10E-04
1655	563280.61	4234193.1	1.66E-03	1.48E-03	2.82E-04	2.37E-04	1.34E-03	1.09E-03	2.20E-04	2.11E-04	1.64E-04	1.08E-04
1656	563295.49	4234198.32	1.62E-03	1.45E-03	2.75E-04	2.32E-04	1.31E-03	1.06E-03	2.14E-04	2.06E-04	1.60E-04	1.05E-04
1657	563310.37	4234203.54	1.57E-03	1.40E-03	2.66E-04	2.24E-04	1.27E-03	1.03E-03	2.07E-04	1.99E-04	1.55E-04	1.02E-04
1658	563325.24	4234208.76	1.51E-03	1.35E-03	2.57E-04	2.16E-04	1.22E-03	9.90E-04	2.00E-04	1.92E-04	1.49E-04	9.81E-05
1659	563340.12	4234213.98	1.45E-03	1.30E-03	2.46E-04	2.08E-04	1.17E-03	9.50E-04	1.92E-04	1.84E-04	1.43E-04	9.41E-05
1660	563355	4234219.2	1.38E-03	1.23E-03	2.34E-04	1.97E-04	1.11E-03	9.01E-04	1.82E-04	1.75E-04	1.36E-04	8.93E-05
1661	563369.88	4234224.41	1.30E-03	1.16E-03	2.21E-04	1.86E-04	1.05E-03	8.52E-04	1.72E-04	1.65E-04	1.29E-04	8.43E-05
1662	563384.76	4234229.63	1.23E-03	1.09E-03	2.08E-04	1.75E-04	9.89E-04	8.02E-04	1.62E-04	1.55E-04	1.21E-04	7.94E-05
1663	563399.64	4234234.85	1.15E-03	1.03E-03	1.95E-04	1.65E-04	9.29E-04	7.53E-04	1.52E-04	1.46E-04	1.14E-04	7.46E-05
1664	563414.52	4234240.07	1.08E-03	9.61E-04	1.83E-04	1.54E-04	8.70E-04	7.05E-04	1.43E-04	1.37E-04	1.06E-04	6.98E-05
1665	563429.4	4234245.29	1.01E-03	8.98E-04	1.71E-04	1.44E-04	8.13E-04	6.59E-04	1.33E-04	1.28E-04	9.95E-05	6.53E-05
1666	563269.3	4234148.08	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.01E-03	2.03E-04	1.95E-04	1.52E-04	9.97E-05
1667	563284.43	4234153.38	1.50E-03	1.34E-03	2.55E-04	2.15E-04	1.21E-03	9.84E-04	1.99E-04	1.91E-04	1.49E-04	9.75E-05
1668	563299.56	4234158.69	1.47E-03	1.31E-03	2.49E-04	2.10E-04	1.18E-03	9.59E-04	1.94E-04	1.86E-04	1.45E-04	9.50E-05
1669	563314.68	4234164	1.44E-03	1.28E-03	2.44E-04	2.06E-04	1.16E-03	9.41E-04	1.90E-04	1.82E-04	1.42E-04	9.32E-05
1670	563329.81	4234169.3	1.40E-03	1.25E-03	2.38E-04	2.00E-04	1.13E-03	9.16E-04	1.85E-04	1.78E-04	1.38E-04	9.08E-05
1671	563344.94	4234174.61	1.34E-03	1.20E-03	2.28E-04	1.92E-04	1.09E-03	8.80E-04	1.78E-04	1.71E-04	1.33E-04	8.71E-05
1672	563360.07	4234179.91	1.28E-03	1.14E-03	2.17E-04	1.83E-04	1.03E-03	8.39E-04	1.69E-04	1.63E-04	1.27E-04	8.31E-05
1673	563375.2	4234185.22	1.22E-03	1.09E-03	2.07E-04	1.74E-04	9.83E-04	7.96E-04	1.61E-04	1.54E-04	1.20E-04	7.89E-05
1674	563390.33	4234190.53	1.15E-03	1.03E-03	1.95E-04	1.65E-04	9.30E-04	7.54E-04	1.52E-04	1.46E-04	1.14E-04	7.46E-05
1675	563405.46	4234195.83	1.08E-03	9.61E-04	1.83E-04	1.54E-04	8.70E-04	7.05E-04	1.42E-04	1.37E-04	1.06E-04	6.98E-05
1676	563420.59	4234201.14	1.01E-03	9.00E-04	1.71E-04	1.44E-04	8.14E-04	6.60E-04	1.33E-04	1.28E-04	9.96E-05	6.54E-05
1677	563481.11	4234222.36	7.69E-04	6.86E-04	1.30E-04	1.10E-04	6.21E-04	5.03E-04	1.02E-04	9.75E-05	7.59E-05	4.98E-05
1678	563272.85	4234108.27	1.38E-03	1.23E-03	2.34E-04	1.98E-04	1.12E-03	9.04E-04	1.83E-04	1.75E-04	1.36E-04	8.95E-05
1679	563288.2	4234113.65	1.36E-03	1.21E-03	2.31E-04	1.95E-04	1.10E-03	8.91E-04	1.80E-04	1.73E-04	1.34E-04	8.82E-05
1680	563303.55	4234119.03	1.33E-03	1.19E-03	2.26E-04	1.91E-04	1.08E-03	8.74E-04	1.77E-04	1.69E-04	1.32E-04	8.65E-05
1681	563318.9	4234124.41	1.30E-03	1.16E-03	2.21E-04	1.86E-04	1.05E-03	8.53E-04	1.72E-04	1.65E-04	1.29E-04	8.45E-05
1682	563334.25	4234129.8	1.27E-03	1.13E-03	2.15E-04	1.81E-04	1.02E-03	8.28E-04	1.67E-04	1.61E-04	1.25E-04	8.20E-05
1683	563349.6	4234135.18	1.24E-03	1.10E-03	2.10E-04	1.77E-04	9.98E-04	8.09E-04	1.63E-04	1.57E-04	1.22E-04	8.01E-05
1684	563364.95	4234140.56	1.19E-03	1.07E-03	2.03E-04	1.71E-04	9.64E-04	7.82E-04	1.58E-04	1.52E-04	1.18E-04	7.74E-05
1685	563380.29	4234145.95	1.13E-03	1.01E-03	1.92E-04	1.62E-04	9.15E-04	7.42E-04	1.50E-04	1.44E-04	1.12E-04	7.34E-05
1686	563395.64	4234151.33	1.08E-03	9.60E-04	1.83E-04	1.54E-04	8.69E-04	7.04E-04	1.42E-04	1.37E-04	1.06E-04	6.98E-05
1687	563410.99	4234156.71	1.01E-03	9.00E-04	1.71E-04	1.44E-04	8.15E-04	6.60E-04	1.33E-04	1.28E-04	9.96E-05	6.54E-05
1688	563472.39	4234178.25	7.92E-04	7.06E-04	1.34E-04	1.13E-04	6.39E-04	5.18E-04	1.05E-04	1.00E-04	7.82E-05	5.13E-05
1689	563487.74	4234183.63	7.44E-04	6.64E-04	1.26E-04	1.06E-04	6.01E-04	4.87E-04	9.84E-05	9.44E-05	7.35E-05	4.82E-05
1690	563503.09	4234189.01	7.07E-04	6.31E-04	1.20E-04	1.01E-04	5.71E-04	4.63E-04	9.35E-05	8.97E-05	6.98E-05	4.58E-05
1691	563276.17	4234068.37	1.25E-03	1.12E-03	2.13E-04	1.79E-04	1.01E-03	8.21E-04	1.66E-04	1.59E-04	1.24E-04	8.13E-05
1692	563291.29	4234073.67	1.23E-03	1.10E-03	2.10E-04	1.77E-04	9.97E-04	8.08E-04	1.63E-04	1.57E-04	1.22E-04	8.00E-05
1693	563306.4	4234078.97	1.21E-03	1.08E-03	2.06E-04	1.73E-04	9.79E-04	7.94E-04	1.60E-04	1.54E-04	1.20E-04	7.86E-05
1694	563321.51	4234084.27	1.20E-03	1.07E-03	2.03E-04	1.71E-04	9.67E-04	7.84E-04	1.58E-04	1.52E-04	1.18E-04	7.76E-05
1695	563336.62	4234089.57	1.18E-03	1.05E-03	1.99E-04	1.68E-04	9.49E-04	7.69E-04	1.55E-04	1.49E-04	1.16E-04	7.62E-05
1696	563351.74	4234094.87	1.14E-03	1.01E-03	1.93E-04	1.62E-04	9.17E-04	7.43E-04	1.50E-04	1.44E-04	1.12E-04	7.36E-05
1697	563366.85	4234100.17	1.10E-03	9.78E-04	1.86E-04	1.57E-04	8.85E-04	7.18E-04	1.45E-04	1.39E-04	1.08E-04	7.11E-05
1698	563381.96	4234105.47	1.05E-03	9.38E-04	1.78E-04	1.50E-04	8.49E-04	6.88E-04	1.39E-04	1.33E-04	1.04E-04	6.82E-05
1699	563397.07	4234110.77	1.00E-03	8.94E-04	1.70E-04	1.43E-04	8.09E-04	6.56E-04	1.33E-04	1.27E-04	9.90E-05	6.50E-05
1700	563412.19	4234116.07	9.56E-04	8.53E-04	1.62E-04	1.37E-04	7.72E-04	6.26E-04	1.26E-04	1.21E-04	9.44E-05	6.20E-05
1701	563472.64	4234137.27	7.80E-04	6.96E-04	1.32E-04	1.12E-04	6.30E-04	5.11E-04	1.03E-04	9.90E-05	7.71E-05	5.06E-05
1702	563487.75	4234142.57	7.46E-04	6.65E-04	1.27E-04	1.07E-04	6.02E-04	4.88E-04	9.86E-05	9.46E-05	7.36E-05	4.83E-05
1703	563502.86	4234147.87	7.10E-04	6.33E-04	1.20E-04	1.02E-04	5.73E-04	4.64E-04	9.39E-05	9.01E-05	7.01E-05	4.60E-05
1704	563517.97	4234153.17	6.74E-04	6.01E-04	1.14E-04	9.64E-05	5.44E-04	4.41E-04	8.91E-05	8.55E-05	6.66E-05	4.37E-05
1705	563260.51	4234065.02	1.28E-03	1.14E-03	2.17E-04	1.83E-04	1.03E-03	8.36E-04	1.69E-04	1.62E-04	1.26E-04	8.28E-05
1706	563279.71	4234028.55	1.16E-03	1.03E-03	1.96E-04	1.65E-04	9.34E-04	7.57E-04	1.53E-04	1.47E-04	1.14E-04	7.49E-05
1707	563295.02	4234033.92	1.14E-03	1.02E-03	1.94E-04	1.63E-04	9.21E-04	7.46E-04	1.51E-04	1.45E-04	1.13E-04	7.39E-05
1708	563310.32	4234039.29	1.13E-03	1.00E-03	1.91E-04	1.61E-04	9.09E-04	7.37E-04	1.49E-04	1.43E-04	1.11E-04	7.29E-05
1709	563325.63	4234044.66	1.12E-03	9.95E-04	1.89E-04	1.59E-04	9.00E-04	7.30E-04	1.47E-04	1.41E-04	1.10E-04	7.23E-05
1710	563340.93	4234050.02	1.09E-03	9.75E-04	1.86E-04	1.56E-04	8.83E-04	7.16E-04	1.45E-04	1.39E-04	1.08E-04	7.09E-05
1711	563356.23	4234055.39	1.06E-03	9.46E-04	1.80E-04	1.52E-04	8.56E-04	6.94E-04	1.40E-04	1.35E-04	1.05E-04	6.87E-05
1712	563371.54	4234060.76	1.02E-03	9.13E-04	1.74E-04	1.46E-04	8.26E-04	6.70E-04	1.35E-04	1.30E-04	1.01E-04	6.63E-05
1713	563386.84	4234066.13	9.85E-04	8.78E-04	1.67E-04	1.41E-04	7.95E-04	6.44E-04	1.30E-04	1.25E-04	9.72E-05	6.38E-05
1714	563402.15	4234071.49	9.45E-04	8.43E-04	1.60E-04	1.35E-04	7.63E-04	6.18E-04	1.25E-04	1.20E-04	9.33E-05	6.12E-05
1715	563417.45	4234076.86	9.04E-04	8.07E-04	1.53E-04	1.29E-04	7.30E-04	5.92E-04	1.20E-04	1.15E-04	8.93E-05	5.86E-05
1716	563463.37	4234092.96	7.84E-04	6.99E-04	1.33E-04	1.12E-04	6.33E-04	5.13E-04	1.04E-04	9.95E-05	7.74E-05	5.08E-05
1717	563478.67	4234098.33	7.44E-04	6.64E-04	1.26E-04	1.06E-04	6.01E-04	4.87E-04	9.84E-05	9.45E-05	7.35E-05	4.82E-05
1718	563493.97	4234103.7	7.13E-04	6.36E-04	1.21E-04	1.02E-04	5.75E-04	4.66E-04	9.42E-05	9.04E-05	7.04E-05	4.62E-05
1719	563509.28	4234109.07	6.85E-04	6.11E-04	1.16E-04	9.80E-05	5.53E-04	4.48E-04	9.06E-05	8.69E-05	6.76E-05	4.44E-05
1720	563524.58	4234114.43	6.58E-04	5.87E-04	1.12E-04	9.42E-05	5.32E-04	4.31E-04	8.71E-05	8.36E-05	6.50E-05	4.27E-05
1721	563539.89	4234119.8	6.34E-04	5.65E-04	1.08E-04	9.06E-05	5.12E-04	4.15E-04	8.38E-05	8.04E-05	6.26E-05	4.11E-05

1722	563263.96	4234025.17	1.17E-03	1.05E-03	1.99E-04	1.68E-04	9.47E-04	7.67E-04	1.55E-04	1.49E-04	1.16E-04	7.60E-05
1723	563283.05	4233988.67	1.07E-03	9.58E-04	1.82E-04	1.54E-04	8.68E-04	7.03E-04	1.42E-04	1.36E-04	1.06E-04	6.96E-05
1724	563298.15	4233993.96	1.08E-03	9.60E-04	1.83E-04	1.54E-04	8.68E-04	7.04E-04	1.42E-04	1.36E-04	1.06E-04	6.97E-05
1725	563313.25	4233999.26	1.07E-03	9.51E-04	1.81E-04	1.52E-04	8.60E-04	6.97E-04	1.41E-04	1.35E-04	1.05E-04	6.91E-05
1726	563328.35	4234004.55	1.05E-03	9.34E-04	1.78E-04	1.50E-04	8.45E-04	6.85E-04	1.38E-04	1.33E-04	1.03E-04	6.78E-05
1727	563343.45	4234009.85	1.02E-03	9.13E-04	1.74E-04	1.46E-04	8.26E-04	6.70E-04	1.35E-04	1.30E-04	1.01E-04	6.63E-05
1728	563358.55	4234015.15	9.96E-04	8.89E-04	1.69E-04	1.42E-04	8.04E-04	6.52E-04	1.32E-04	1.26E-04	9.84E-05	6.46E-05
1729	563373.65	4234020.44	9.70E-04	8.66E-04	1.65E-04	1.39E-04	7.83E-04	6.35E-04	1.28E-04	1.23E-04	9.58E-05	6.29E-05
1730	563388.75	4234025.74	9.40E-04	8.39E-04	1.60E-04	1.34E-04	7.59E-04	6.15E-04	1.24E-04	1.19E-04	9.29E-05	6.09E-05
1731	563403.85	4234031.03	9.10E-04	8.12E-04	1.54E-04	1.30E-04	7.35E-04	5.96E-04	1.20E-04	1.16E-04	8.99E-05	5.90E-05
1732	563418.95	4234036.33	8.85E-04	7.90E-04	1.50E-04	1.27E-04	7.15E-04	5.79E-04	1.17E-04	1.12E-04	8.74E-05	5.74E-05
1733	563464.25	4234052.21	7.71E-04	6.88E-04	1.31E-04	1.10E-04	6.23E-04	5.05E-04	1.02E-04	9.78E-05	7.61E-05	5.00E-05
1734	563479.35	4234057.51	7.32E-04	6.53E-04	1.24E-04	1.05E-04	5.91E-04	4.79E-04	9.69E-05	9.29E-05	7.23E-05	4.75E-05
1735	563494.45	4234062.81	7.01E-04	6.25E-04	1.19E-04	1.00E-04	5.66E-04	4.59E-04	9.27E-05	8.89E-05	6.92E-05	4.54E-05
1736	563509.55	4234068.1	6.75E-04	6.02E-04	1.15E-04	9.66E-05	5.45E-04	4.42E-04	8.93E-05	8.57E-05	6.67E-05	4.38E-05
1737	563524.65	4234073.4	6.52E-04	5.82E-04	1.11E-04	9.32E-05	5.26E-04	4.27E-04	8.62E-05	8.27E-05	6.44E-05	4.23E-05
1738	563539.75	4234078.69	6.30E-04	5.62E-04	1.07E-04	9.01E-05	5.09E-04	4.12E-04	8.33E-05	7.99E-05	6.22E-05	4.08E-05
1739	563554.85	4234083.99	6.06E-04	5.40E-04	1.03E-04	8.66E-05	4.89E-04	3.96E-04	8.01E-05	7.69E-05	5.98E-05	3.93E-05
1740	563569.95	4234089.28	5.85E-04	5.22E-04	9.93E-05	8.37E-05	4.73E-04	3.83E-04	7.74E-05	7.43E-05	5.78E-05	3.79E-05
1741	563267.4	4233985.32	1.08E-03	9.64E-04	1.83E-04	1.55E-04	8.73E-04	7.07E-04	1.43E-04	1.37E-04	1.07E-04	7.01E-05
1742	563286.58	4233948.84	1.01E-03	9.01E-04	1.71E-04	1.44E-04	8.15E-04	6.61E-04	1.34E-04	1.28E-04	9.97E-05	6.54E-05
1743	563301.85	4233954.2	1.00E-03	8.94E-04	1.70E-04	1.43E-04	8.10E-04	6.56E-04	1.33E-04	1.27E-04	9.90E-05	6.50E-05
1744	563317.12	4233959.56	9.92E-04	8.85E-04	1.68E-04	1.42E-04	8.01E-04	6.49E-04	1.31E-04	1.26E-04	9.79E-05	6.43E-05
1745	563332.39	4233964.91	9.76E-04	8.71E-04	1.66E-04	1.40E-04	7.88E-04	6.39E-04	1.29E-04	1.24E-04	9.64E-05	6.33E-05
1746	563347.66	4233970.27	9.57E-04	8.54E-04	1.62E-04	1.37E-04	7.73E-04	6.26E-04	1.27E-04	1.21E-04	9.45E-05	6.20E-05
1747	563362.93	4233975.62	9.34E-04	8.33E-04	1.58E-04	1.34E-04	7.54E-04	6.11E-04	1.24E-04	1.19E-04	9.22E-05	6.05E-05
1748	563378.2	4233980.98	9.10E-04	8.11E-04	1.54E-04	1.30E-04	7.34E-04	5.95E-04	1.20E-04	1.15E-04	8.98E-05	5.89E-05
1749	563393.47	4233986.33	8.87E-04	7.91E-04	1.50E-04	1.27E-04	7.16E-04	5.80E-04	1.17E-04	1.13E-04	8.76E-05	5.75E-05
1750	563408.74	4233991.69	8.67E-04	7.73E-04	1.47E-04	1.24E-04	7.00E-04	5.67E-04	1.15E-04	1.10E-04	8.56E-05	5.62E-05
1751	563469.82	4234013.11	7.48E-04	6.67E-04	1.27E-04	1.07E-04	6.04E-04	4.89E-04	9.89E-05	9.49E-05	7.39E-05	4.85E-05
1752	563485.09	4234018.47	7.17E-04	6.39E-04	1.22E-04	1.02E-04	5.79E-04	4.69E-04	9.48E-05	9.09E-05	7.08E-05	4.64E-05
1753	563500.36	4234023.82	6.85E-04	6.11E-04	1.16E-04	9.80E-05	5.53E-04	4.49E-04	9.06E-05	8.70E-05	6.77E-05	4.44E-05
1754	563515.63	4234029.18	6.55E-04	5.84E-04	1.11E-04	9.37E-05	5.29E-04	4.29E-04	8.66E-05	8.31E-05	6.47E-05	4.24E-05
1755	563530.9	4234034.53	6.34E-04	5.65E-04	1.08E-04	9.07E-05	5.12E-04	4.15E-04	8.38E-05	8.04E-05	6.26E-05	4.11E-05
1756	563546.17	4234039.89	6.13E-04	5.47E-04	1.04E-04	8.77E-05	4.95E-04	4.01E-04	8.11E-05	7.78E-05	6.05E-05	3.97E-05
1757	563561.44	4234045.24	5.83E-04	5.20E-04	9.89E-05	8.34E-05	4.71E-04	3.82E-04	7.71E-05	7.40E-05	5.76E-05	3.78E-05
1758	563576.71	4234050.6	5.56E-04	4.96E-04	9.44E-05	7.96E-05	4.49E-04	3.64E-04	7.36E-05	7.06E-05	5.49E-05	3.61E-05
1759	563591.98	4234055.95	5.40E-04	4.81E-04	9.16E-05	7.72E-05	4.36E-04	3.53E-04	7.14E-05	6.85E-05	5.33E-05	3.50E-05
1760	563270.84	4233945.47	1.02E-03	9.08E-04	1.73E-04	1.46E-04	8.22E-04	6.66E-04	1.35E-04	1.29E-04	1.01E-04	6.60E-05
1761	563254.63	4233944.07	1.02E-03	9.11E-04	1.73E-04	1.46E-04	8.24E-04	6.68E-04	1.35E-04	1.30E-04	1.01E-04	6.62E-05
1762	563139.73	4234606.87	2.89E-02	2.58E-02	4.90E-03	4.13E-03	2.33E-02	1.89E-02	3.82E-03	3.67E-03	2.85E-03	1.87E-03
1763	563130.2	4234606.09	2.93E-02	2.62E-02	4.98E-03	4.20E-03	2.37E-02	1.92E-02	3.88E-03	3.72E-03	2.90E-03	1.90E-03
1764	563120.68	4234605.3	2.92E-02	2.61E-02	4.96E-03	4.18E-03	2.36E-02	1.91E-02	3.87E-03	3.71E-03	2.89E-03	1.90E-03
1765	563111.16	4234604.52	2.86E-02	2.55E-02	4.85E-03	4.09E-03	2.31E-02	1.87E-02	3.78E-03	3.63E-03	2.82E-03	1.85E-03
1766	563101.64	4234603.73	2.74E-02	2.45E-02	4.66E-03	3.92E-03	2.22E-02	1.80E-02	3.63E-03	3.48E-03	2.71E-03	1.78E-03
1767	563092.12	4234602.95	2.59E-02	2.31E-02	4.39E-03	3.70E-03	2.09E-02	1.69E-02	3.42E-03	3.28E-03	2.56E-03	1.68E-03
1768	563188.15	4234600.82	1.82E-02	1.62E-02	3.09E-03	2.60E-03	1.47E-02	1.19E-02	2.41E-03	2.31E-03	1.80E-03	1.18E-03
1769	563178.63	4234600.04	2.03E-02	1.81E-02	3.45E-03	2.90E-03	1.64E-02	1.33E-02	2.69E-03	2.58E-03	2.01E-03	1.32E-03
1770	563169.11	4234599.25	2.22E-02	1.98E-02	3.76E-03	3.17E-03	1.79E-02	1.45E-02	2.93E-03	2.82E-03	2.19E-03	1.44E-03
1771	563159.59	4234598.47	2.38E-02	2.12E-02	4.03E-03	3.40E-03	1.92E-02	1.56E-02	3.14E-03	3.02E-03	2.35E-03	1.54E-03
1772	563150.07	4234597.69	2.50E-02	2.23E-02	4.25E-03	3.58E-03	2.02E-02	1.64E-02	3.31E-03	3.18E-03	2.47E-03	1.62E-03
1773	563140.55	4234596.9	2.60E-02	2.32E-02	4.40E-03	3.71E-03	2.10E-02	1.70E-02	3.43E-03	3.29E-03	2.56E-03	1.68E-03
1774	563131.02	4234596.12	2.65E-02	2.36E-02	4.49E-03	3.79E-03	2.14E-02	1.73E-02	3.50E-03	3.36E-03	2.62E-03	1.72E-03
1775	563121.5	4234595.34	2.66E-02	2.37E-02	4.51E-03	3.80E-03	2.15E-02	1.74E-02	3.52E-03	3.37E-03	2.63E-03	1.72E-03
1776	563111.98	4234594.55	2.62E-02	2.34E-02	4.45E-03	3.75E-03	2.12E-02	1.72E-02	3.47E-03	3.33E-03	2.59E-03	1.70E-03
1777	563102.46	4234593.77	2.55E-02	2.27E-02	4.32E-03	3.64E-03	2.06E-02	1.67E-02	3.37E-03	3.23E-03	2.52E-03	1.65E-03
1778	563092.94	4234592.98	2.43E-02	2.17E-02	4.13E-03	3.48E-03	1.97E-02	1.59E-02	3.22E-03	3.09E-03	2.40E-03	1.58E-03
1779	563188.97	4234590.85	1.61E-02	1.44E-02	2.73E-03	2.31E-03	1.30E-02	1.05E-02	2.13E-03	2.05E-03	1.59E-03	1.04E-03
1780	563179.45	4234590.07	1.80E-02	1.61E-02	3.06E-03	2.58E-03	1.45E-02	1.18E-02	2.38E-03	2.29E-03	1.78E-03	1.17E-03
1781	563169.93	4234589.29	1.97E-02	1.76E-02	3.35E-03	2.82E-03	1.59E-02	1.29E-02	2.61E-03	2.51E-03	1.95E-03	1.28E-03
1782	563160.41	4234588.5	2.13E-02	1.90E-02	3.61E-03	3.04E-03	1.72E-02	1.39E-02	2.81E-03	2.70E-03	2.10E-03	1.38E-03
1783	563150.89	4234587.72	2.25E-02	2.01E-02	3.82E-03	3.22E-03	1.82E-02	1.47E-02	2.97E-03	2.85E-03	2.22E-03	1.46E-03
1784	563141.37	4234586.94	2.34E-02	2.09E-02	3.97E-03	3.35E-03	1.89E-02	1.53E-02	3.10E-03	2.97E-03	2.31E-03	1.52E-03
1785	563131.85	4234586.15	2.40E-02	2.14E-02	4.07E-03	3.43E-03	1.94E-02	1.57E-02	3.18E-03	3.05E-03	2.37E-03	1.56E-03
1786	563122.32	4234585.37	2.43E-02	2.16E-02	4.12E-03	3.47E-03	1.96E-02	1.59E-02	3.21E-03	3.08E-03	2.40E-03	1.57E-03
1787	563112.8	4234584.59	2.41E-02	2.15E-02	4.10E-03	3.45E-03	1.95E-02	1.58E-02	3.19E-03	3.06E-03	2.38E-03	1.56E-03
1788	563103.28	4234583.8	2.37E-02	2.11E-02	4.02E-03	3.39E-03	1.91E-02	1.55E-02	3.13E-03	3.00E-03	2.34E-03	1.53E-03
1789	563093.76	4234583.02	2.29E-02	2.04E-02	3.88E-03	3.27E-03	1.85E-02	1.50E-02	3.03E-03	2.90E-03	2.26E-03	1.48E-03
1790	563189.79	4234580.89	1.44E-02	1.29E-02	2.44E-03	2.06E-03	1.16E-02	9.43E-03	1.90E-03	1.83E-03	1.42E-03	9.34E-04

1791	563180.27	4234580.1	1.61E-02	1.43E-02	2.73E-03	2.30E-03	1.30E-02	1.05E-02	2.13E-03	2.04E-03	1.59E-03	1.04E-03
1792	563170.75	4234579.32	1.77E-02	1.58E-02	3.00E-03	2.53E-03	1.43E-02	1.16E-02	2.34E-03	2.24E-03	1.74E-03	1.14E-03
1793	563161.23	4234578.54	1.91E-02	1.70E-02	3.24E-03	2.73E-03	1.54E-02	1.25E-02	2.52E-03	2.42E-03	1.88E-03	1.24E-03
1794	563151.71	4234577.75	2.03E-02	1.81E-02	3.44E-03	2.90E-03	1.64E-02	1.33E-02	2.68E-03	2.57E-03	2.00E-03	1.31E-03
1795	563142.19	4234576.97	2.12E-02	1.89E-02	3.60E-03	3.03E-03	1.71E-02	1.39E-02	2.80E-03	2.69E-03	2.09E-03	1.37E-03
1796	563132.67	4234576.19	2.18E-02	1.95E-02	3.71E-03	3.12E-03	1.76E-02	1.43E-02	2.89E-03	2.77E-03	2.16E-03	1.42E-03
1797	563123.14	4234575.4	2.22E-02	1.98E-02	3.76E-03	3.17E-03	1.79E-02	1.45E-02	2.93E-03	2.81E-03	2.19E-03	1.44E-03
1798	563113.62	4234574.62	2.22E-02	1.98E-02	3.77E-03	3.18E-03	1.79E-02	1.45E-02	2.94E-03	2.82E-03	2.20E-03	1.44E-03
1799	563104.1	4234573.84	2.20E-02	1.96E-02	3.73E-03	3.14E-03	1.78E-02	1.44E-02	2.91E-03	2.79E-03	2.17E-03	1.43E-03
1800	563094.58	4234573.05	2.15E-02	1.92E-02	3.64E-03	3.07E-03	1.73E-02	1.41E-02	2.84E-03	2.73E-03	2.12E-03	1.39E-03
1801	563190.61	4234570.92	1.30E-02	1.16E-02	2.20E-03	1.86E-03	1.05E-02	8.49E-03	1.72E-03	1.65E-03	1.28E-03	8.41E-04
1802	563181.09	4234570.14	1.44E-02	1.29E-02	2.45E-03	2.07E-03	1.17E-02	9.45E-03	1.91E-03	1.83E-03	1.43E-03	9.36E-04
1803	563171.57	4234569.35	1.58E-02	1.41E-02	2.69E-03	2.26E-03	1.28E-02	1.04E-02	2.09E-03	2.01E-03	1.56E-03	1.03E-03
1804	563162.05	4234568.57	1.71E-02	1.52E-02	2.90E-03	2.44E-03	1.38E-02	1.12E-02	2.26E-03	2.17E-03	1.69E-03	1.11E-03
1805	563152.53	4234567.79	1.81E-02	1.62E-02	3.08E-03	2.59E-03	1.46E-02	1.19E-02	2.40E-03	2.30E-03	1.79E-03	1.18E-03
1806	563143.01	4234567	1.90E-02	1.70E-02	3.23E-03	2.72E-03	1.54E-02	1.24E-02	2.52E-03	2.41E-03	1.88E-03	1.23E-03
1807	563133.49	4234566.22	1.97E-02	1.76E-02	3.34E-03	2.82E-03	1.59E-02	1.29E-02	2.60E-03	2.50E-03	1.94E-03	1.28E-03
1808	563123.96	4234565.44	2.01E-02	1.79E-02	3.41E-03	2.87E-03	1.62E-02	1.32E-02	2.66E-03	2.55E-03	1.98E-03	1.30E-03
1809	563114.44	4234564.65	2.03E-02	1.81E-02	3.45E-03	2.91E-03	1.64E-02	1.33E-02	2.69E-03	2.58E-03	2.01E-03	1.32E-03
1810	563104.92	4234563.87	2.04E-02	1.82E-02	3.46E-03	2.91E-03	1.64E-02	1.33E-02	2.69E-03	2.58E-03	2.01E-03	1.32E-03
1811	563095.4	4234563.09	2.01E-02	1.80E-02	3.42E-03	2.88E-03	1.63E-02	1.32E-02	2.66E-03	2.55E-03	1.99E-03	1.30E-03
1812	563191.43	4234560.96	1.18E-02	1.05E-02	2.00E-03	1.68E-03	9.51E-03	7.71E-03	1.56E-03	1.49E-03	1.16E-03	7.63E-04
1813	563181.91	4234560.17	1.31E-02	1.16E-02	2.22E-03	1.87E-03	1.05E-02	8.54E-03	1.73E-03	1.66E-03	1.29E-03	8.46E-04
1814	563172.39	4234559.39	1.42E-02	1.27E-02	2.42E-03	2.04E-03	1.15E-02	9.32E-03	1.88E-03	1.81E-03	1.41E-03	9.23E-04
1815	563162.87	4234558.61	1.53E-02	1.37E-02	2.60E-03	2.19E-03	1.24E-02	1.00E-02	2.03E-03	1.94E-03	1.51E-03	9.93E-04
1816	563153.35	4234557.82	1.63E-02	1.45E-02	2.76E-03	2.32E-03	1.31E-02	1.06E-02	2.15E-03	2.06E-03	1.61E-03	1.05E-03
1817	563143.83	4234557.04	1.71E-02	1.53E-02	2.90E-03	2.45E-03	1.38E-02	1.12E-02	2.26E-03	2.17E-03	1.69E-03	1.11E-03
1818	563134.31	4234556.25	1.78E-02	1.59E-02	3.02E-03	2.54E-03	1.44E-02	1.16E-02	2.35E-03	2.26E-03	1.76E-03	1.15E-03
1819	563124.79	4234555.47	1.83E-02	1.63E-02	3.10E-03	2.61E-03	1.47E-02	1.19E-02	2.41E-03	2.32E-03	1.80E-03	1.18E-03
1820	563115.26	4234554.69	1.86E-02	1.66E-02	3.16E-03	2.67E-03	1.50E-02	1.22E-02	2.46E-03	2.37E-03	1.84E-03	1.21E-03
1821	563105.74	4234553.9	1.88E-02	1.68E-02	3.20E-03	2.70E-03	1.52E-02	1.23E-02	2.49E-03	2.39E-03	1.86E-03	1.22E-03
1822	563096.22	4234553.12	1.89E-02	1.68E-02	3.20E-03	2.70E-03	1.52E-02	1.23E-02	2.49E-03	2.39E-03	1.86E-03	1.22E-03
1823	563192.25	4234550.99	1.08E-02	9.59E-03	1.82E-03	1.54E-03	8.68E-03	7.04E-03	1.42E-03	1.36E-03	1.06E-03	6.97E-04
1824	563182.73	4234550.21	1.19E-02	1.06E-02	2.01E-03	1.70E-03	9.59E-03	7.77E-03	1.57E-03	1.51E-03	1.17E-03	7.70E-04
1825	563173.21	4234549.42	1.29E-02	1.15E-02	2.19E-03	1.84E-03	1.04E-02	8.43E-03	1.70E-03	1.63E-03	1.27E-03	8.35E-04
1826	563163.69	4234548.64	1.38E-02	1.23E-02	2.34E-03	1.98E-03	1.12E-02	9.04E-03	1.83E-03	1.75E-03	1.36E-03	8.95E-04
1827	563154.17	4234547.86	1.46E-02	1.31E-02	2.48E-03	2.09E-03	1.18E-02	9.58E-03	1.94E-03	1.86E-03	1.45E-03	9.49E-04
1828	563144.65	4234547.07	1.54E-02	1.38E-02	2.62E-03	2.21E-03	1.25E-02	1.01E-02	2.04E-03	1.96E-03	1.53E-03	1.00E-03
1829	563135.13	4234546.29	1.61E-02	1.44E-02	2.73E-03	2.30E-03	1.30E-02	1.05E-02	2.13E-03	2.04E-03	1.59E-03	1.04E-03
1830	563125.61	4234545.5	1.66E-02	1.48E-02	2.82E-03	2.38E-03	1.34E-02	1.09E-02	2.20E-03	2.11E-03	1.64E-03	1.08E-03
1831	563116.08	4234544.72	1.71E-02	1.53E-02	2.90E-03	2.45E-03	1.38E-02	1.12E-02	2.26E-03	2.17E-03	1.69E-03	1.11E-03
1832	563106.56	4234543.94	1.75E-02	1.56E-02	2.96E-03	2.50E-03	1.41E-02	1.14E-02	2.31E-03	2.22E-03	1.73E-03	1.13E-03
1833	563097.04	4234543.15	1.77E-02	1.57E-02	3.00E-03	2.52E-03	1.43E-02	1.16E-02	2.33E-03	2.24E-03	1.74E-03	1.14E-03
1834	563193.07	4234541.02	9.84E-03	8.77E-03	1.67E-03	1.41E-03	7.94E-03	6.44E-03	1.30E-03	1.25E-03	9.71E-04	6.37E-04
1835	563183.55	4234540.24	1.08E-02	9.63E-03	1.83E-03	1.54E-03	8.71E-03	7.06E-03	1.43E-03	1.37E-03	1.07E-03	6.99E-04
1836	563174.03	4234539.46	1.17E-02	1.04E-02	1.98E-03	1.67E-03	9.43E-03	7.65E-03	1.55E-03	1.48E-03	1.15E-03	7.57E-04
1837	563164.51	4234538.67	1.25E-02	1.12E-02	2.13E-03	1.79E-03	1.01E-02	8.21E-03	1.66E-03	1.59E-03	1.24E-03	8.13E-04
1838	563154.99	4234537.89	1.33E-02	1.19E-02	2.26E-03	1.91E-03	1.08E-02	8.73E-03	1.76E-03	1.69E-03	1.32E-03	8.64E-04
1839	563145.47	4234537.11	1.41E-02	1.26E-02	2.39E-03	2.02E-03	1.14E-02	9.23E-03	1.87E-03	1.79E-03	1.39E-03	9.14E-04
1840	563135.95	4234536.32	1.48E-02	1.32E-02	2.51E-03	2.11E-03	1.19E-02	9.67E-03	1.95E-03	1.88E-03	1.46E-03	9.58E-04
1841	563126.43	4234535.54	1.53E-02	1.37E-02	2.60E-03	2.19E-03	1.24E-02	1.00E-02	2.03E-03	1.94E-03	1.51E-03	9.93E-04
1842	563116.9	4234534.75	1.58E-02	1.41E-02	2.69E-03	2.26E-03	1.28E-02	1.04E-02	2.09E-03	2.01E-03	1.56E-03	1.03E-03
1843	563107.38	4234533.97	1.63E-02	1.45E-02	2.76E-03	2.32E-03	1.31E-02	1.06E-02	2.15E-03	2.06E-03	1.61E-03	1.05E-03
1844	563097.86	4234533.19	1.65E-02	1.47E-02	2.80E-03	2.36E-03	1.33E-02	1.08E-02	2.19E-03	2.10E-03	1.63E-03	1.07E-03
1845	563194.71	4234521.09	8.30E-03	7.40E-03	1.41E-03	1.19E-03	6.70E-03	5.43E-03	1.10E-03	1.05E-03	8.20E-04	5.38E-04
1846	563185.19	4234520.31	8.97E-03	8.00E-03	1.52E-03	1.28E-03	7.24E-03	5.87E-03	1.19E-03	1.14E-03	8.86E-04	5.81E-04
1847	563175.67	4234519.52	9.71E-03	8.66E-03	1.65E-03	1.39E-03	7.84E-03	6.35E-03	1.28E-03	1.23E-03	9.59E-04	6.29E-04
1848	563166.15	4234518.74	1.05E-02	9.33E-03	1.77E-03	1.50E-03	8.44E-03	6.84E-03	1.38E-03	1.33E-03	1.03E-03	6.78E-04
1849	563156.63	4234517.96	1.12E-02	9.98E-03	1.90E-03	1.60E-03	9.04E-03	7.32E-03	1.48E-03	1.42E-03	1.11E-03	7.25E-04
1850	563147.11	4234517.17	1.19E-02	1.06E-02	2.02E-03	1.70E-03	9.59E-03	7.78E-03	1.57E-03	1.51E-03	1.17E-03	7.70E-04
1851	563137.59	4234516.39	1.25E-02	1.12E-02	2.12E-03	1.79E-03	1.01E-02	8.19E-03	1.66E-03	1.59E-03	1.24E-03	8.11E-04
1852	563128.07	4234515.61	1.31E-02	1.16E-02	2.22E-03	1.87E-03	1.05E-02	8.55E-03	1.73E-03	1.66E-03	1.29E-03	8.46E-04
1853	563118.55	4234514.82	1.36E-02	1.21E-02	2.30E-03	1.94E-03	1.10E-02	8.88E-03	1.80E-03	1.72E-03	1.34E-03	8.80E-04
1854	563109.02	4234514.04	1.41E-02	1.26E-02	2.39E-03	2.01E-03	1.14E-02	9.21E-03	1.86E-03	1.79E-03	1.39E-03	9.12E-04
1855	563099.5	4234513.25	1.45E-02	1.29E-02	2.45E-03	2.07E-03	1.17E-02	9.47E-03	1.91E-03	1.84E-03	1.43E-03	9.38E-04
1856	563196.35	4234501.16	7.15E-03	6.38E-03	1.21E-03	1.02E-03	5.77E-03	4.68E-03	9.46E-04	9.07E-04	7.06E-04	4.63E-04
1857	563186.83	4234500.37	7.69E-03	6.86E-03	1.31E-03	1.10E-03	6.21E-03	5.04E-03	1.02E-03	9.76E-04	7.60E-04	4.99E-04
1858	563177.31	4234499.59	8.28E-03	7.39E-03	1.41E-03	1.18E-03	6.69E-03	5.42E-03	1.10E-03	1.05E-03	8.18E-04	5.37E-04
1859	563167.79	4234498.81	8.90E-03	7.94E-03	1.51E-03	1.27E-03	7.18E-03	5.82E-03	1.18E-03	1.13E-03	8.79E-04	5.77E-04

1860	563158.27	4234498.02	9.51E-03	8.49E-03	1.61E-03	1.36E-03	7.68E-03	6.23E-03	1.26E-03	1.21E-03	9.40E-04	6.17E-04
1861	563148.75	4234497.24	1.01E-02	9.00E-03	1.71E-03	1.44E-03	8.14E-03	6.60E-03	1.33E-03	1.28E-03	9.96E-04	6.54E-04
1862	563139.23	4234496.46	1.06E-02	9.44E-03	1.80E-03	1.51E-03	8.55E-03	6.93E-03	1.40E-03	1.34E-03	1.05E-03	6.86E-04
1863	563129.71	4234495.67	1.10E-02	9.84E-03	1.87E-03	1.58E-03	8.91E-03	7.22E-03	1.46E-03	1.40E-03	1.09E-03	7.15E-04
1864	563120.19	4234494.89	1.15E-02	1.03E-02	1.95E-03	1.64E-03	9.28E-03	7.52E-03	1.52E-03	1.46E-03	1.14E-03	7.45E-04
1865	563110.67	4234494.11	1.21E-02	1.08E-02	2.05E-03	1.73E-03	9.75E-03	7.90E-03	1.60E-03	1.53E-03	1.19E-03	7.82E-04
1866	563101.14	4234493.32	1.26E-02	1.12E-02	2.14E-03	1.80E-03	1.02E-02	8.24E-03	1.67E-03	1.60E-03	1.24E-03	8.16E-04
1867	563197.99	4234481.23	6.23E-03	5.56E-03	1.06E-03	8.91E-04	5.03E-03	4.08E-03	8.24E-04	7.91E-04	6.16E-04	4.04E-04
1868	563188.47	4234480.44	6.67E-03	5.95E-03	1.13E-03	9.54E-04	5.39E-03	4.37E-03	8.82E-04	8.47E-04	6.59E-04	4.32E-04
1869	563178.95	4234479.66	7.14E-03	6.37E-03	1.21E-03	1.02E-03	5.76E-03	4.67E-03	9.44E-04	9.06E-04	7.05E-04	4.63E-04
1870	563169.43	4234478.87	7.62E-03	6.80E-03	1.29E-03	1.09E-03	6.16E-03	4.99E-03	1.01E-03	9.67E-04	7.53E-04	4.94E-04
1871	563159.91	4234478.09	8.12E-03	7.25E-03	1.38E-03	1.16E-03	6.56E-03	5.32E-03	1.07E-03	1.03E-03	8.02E-04	5.27E-04
1872	563150.39	4234477.31	8.61E-03	7.68E-03	1.46E-03	1.23E-03	6.95E-03	5.63E-03	1.14E-03	1.09E-03	8.50E-04	5.58E-04
1873	563140.87	4234476.52	9.04E-03	8.07E-03	1.53E-03	1.29E-03	7.30E-03	5.92E-03	1.20E-03	1.15E-03	8.93E-04	5.86E-04
1874	563131.35	4234475.74	9.46E-03	8.44E-03	1.60E-03	1.35E-03	7.64E-03	6.19E-03	1.25E-03	1.20E-03	9.34E-04	6.13E-04
1875	563121.83	4234474.96	9.87E-03	8.81E-03	1.68E-03	1.41E-03	7.97E-03	6.46E-03	1.31E-03	1.25E-03	9.75E-04	6.40E-04
1876	563112.31	4234474.17	1.04E-02	9.28E-03	1.77E-03	1.49E-03	8.40E-03	6.81E-03	1.38E-03	1.32E-03	1.03E-03	6.75E-04
1877	563102.78	4234473.39	1.09E-02	9.72E-03	1.85E-03	1.56E-03	8.80E-03	7.13E-03	1.44E-03	1.38E-03	1.08E-03	7.06E-04
1878	563199.63	4234461.29	5.49E-03	4.90E-03	9.32E-04	7.85E-04	4.43E-03	3.59E-03	7.26E-04	6.97E-04	5.42E-04	3.56E-04
1879	563190.11	4234460.51	5.81E-03	5.18E-03	9.86E-04	8.31E-04	4.69E-03	3.80E-03	7.68E-04	7.37E-04	5.74E-04	3.77E-04
1880	563180.59	4234459.73	6.16E-03	5.49E-03	1.04E-03	8.80E-04	4.97E-03	4.03E-03	8.14E-04	7.81E-04	6.08E-04	3.99E-04
1881	563171.07	4234458.94	6.54E-03	5.84E-03	1.11E-03	9.36E-04	5.28E-03	4.28E-03	8.65E-04	8.30E-04	6.46E-04	4.24E-04
1882	563161.55	4234458.16	6.95E-03	6.20E-03	1.18E-03	9.93E-04	5.61E-03	4.55E-03	9.19E-04	8.81E-04	6.86E-04	4.50E-04
1883	563152.03	4234457.37	7.36E-03	6.57E-03	1.25E-03	1.05E-03	5.94E-03	4.82E-03	9.74E-04	9.34E-04	7.27E-04	4.77E-04
1884	563142.51	4234456.59	7.78E-03	6.94E-03	1.32E-03	1.11E-03	6.28E-03	5.09E-03	1.03E-03	9.87E-04	7.68E-04	5.04E-04
1885	563132.99	4234455.81	8.19E-03	7.31E-03	1.39E-03	1.17E-03	6.62E-03	5.36E-03	1.08E-03	1.04E-03	8.09E-04	5.31E-04
1886	563123.47	4234455.02	8.60E-03	7.67E-03	1.46E-03	1.23E-03	6.94E-03	5.63E-03	1.14E-03	1.09E-03	8.49E-04	5.57E-04
1887	563113.95	4234454.24	9.05E-03	8.07E-03	1.54E-03	1.29E-03	7.31E-03	5.92E-03	1.20E-03	1.15E-03	8.94E-04	5.86E-04
1888	563104.43	4234453.46	9.47E-03	8.45E-03	1.61E-03	1.35E-03	7.65E-03	6.20E-03	1.25E-03	1.20E-03	9.36E-04	6.14E-04
1889	563201.27	4234441.36	4.88E-03	4.35E-03	8.28E-04	6.98E-04	3.94E-03	3.19E-03	6.46E-04	6.19E-04	4.82E-04	3.16E-04
1890	563191.75	4234440.58	5.15E-03	4.59E-03	8.74E-04	7.36E-04	4.16E-03	3.37E-03	6.81E-04	6.53E-04	5.08E-04	3.34E-04
1891	563182.23	4234439.79	5.44E-03	4.85E-03	9.22E-04	7.77E-04	4.39E-03	3.56E-03	7.19E-04	6.90E-04	5.37E-04	3.52E-04
1892	563172.71	4234439.01	5.76E-03	5.14E-03	9.77E-04	8.23E-04	4.65E-03	3.77E-03	7.61E-04	7.31E-04	5.69E-04	3.73E-04
1893	563163.19	4234438.23	6.10E-03	5.44E-03	1.03E-03	8.72E-04	4.92E-03	3.99E-03	8.06E-04	7.73E-04	6.02E-04	3.95E-04
1894	563153.67	4234437.44	6.45E-03	5.75E-03	1.09E-03	9.22E-04	5.21E-03	4.22E-03	8.53E-04	8.18E-04	6.37E-04	4.18E-04
1895	563144.15	4234436.66	6.81E-03	6.08E-03	1.16E-03	9.74E-04	5.50E-03	4.46E-03	9.01E-04	8.65E-04	6.73E-04	4.42E-04
1896	563134.63	4234435.87	7.18E-03	6.41E-03	1.22E-03	1.03E-03	5.80E-03	4.70E-03	9.50E-04	9.11E-04	7.09E-04	4.65E-04
1897	563125.11	4234435.09	7.55E-03	6.73E-03	1.28E-03	1.08E-03	6.09E-03	4.94E-03	9.98E-04	9.58E-04	7.45E-04	4.89E-04
1898	563115.59	4234434.31	7.96E-03	7.10E-03	1.35E-03	1.14E-03	6.42E-03	5.21E-03	1.05E-03	1.01E-03	7.86E-04	5.16E-04
1899	563106.07	4234433.52	8.36E-03	7.46E-03	1.42E-03	1.20E-03	6.75E-03	5.47E-03	1.11E-03	1.06E-03	8.26E-04	5.42E-04
1900	563202.92	4234421.43	4.37E-03	3.90E-03	7.42E-04	6.25E-04	3.53E-03	2.86E-03	5.78E-04	5.55E-04	4.32E-04	2.83E-04
1901	563193.39	4234420.64	4.61E-03	4.11E-03	7.82E-04	6.59E-04	3.72E-03	3.02E-03	6.09E-04	5.85E-04	4.55E-04	2.99E-04
1902	563183.87	4234419.86	4.86E-03	4.33E-03	8.24E-04	6.95E-04	3.92E-03	3.18E-03	6.42E-04	6.16E-04	4.80E-04	3.15E-04
1903	563174.35	4234419.08	5.12E-03	4.57E-03	8.69E-04	7.33E-04	4.14E-03	3.35E-03	6.77E-04	6.50E-04	5.06E-04	3.32E-04
1904	563164.83	4234418.29	5.41E-03	4.82E-03	9.17E-04	7.73E-04	4.36E-03	3.54E-03	7.15E-04	6.86E-04	5.34E-04	3.50E-04
1905	563155.31	4234417.51	5.70E-03	5.09E-03	9.68E-04	8.16E-04	4.61E-03	3.73E-03	7.54E-04	7.24E-04	5.63E-04	3.70E-04
1906	563145.79	4234416.73	6.02E-03	5.37E-03	1.02E-03	8.61E-04	4.86E-03	3.94E-03	7.96E-04	7.64E-04	5.94E-04	3.90E-04
1907	563136.27	4234415.94	6.34E-03	5.66E-03	1.08E-03	9.07E-04	5.12E-03	4.15E-03	8.39E-04	8.05E-04	6.26E-04	4.11E-04
1908	563126.75	4234415.16	6.67E-03	5.95E-03	1.13E-03	9.54E-04	5.38E-03	4.36E-03	8.82E-04	8.46E-04	6.59E-04	4.32E-04
1909	563117.23	4234414.38	7.03E-03	6.27E-03	1.19E-03	1.01E-03	5.68E-03	4.60E-03	9.30E-04	8.92E-04	6.94E-04	4.56E-04
1910	563107.71	4234413.59	7.41E-03	6.61E-03	1.26E-03	1.06E-03	5.98E-03	4.85E-03	9.80E-04	9.40E-04	7.32E-04	4.80E-04
1911	563204.56	4234401.5	3.97E-03	3.54E-03	6.74E-04	5.68E-04	3.21E-03	2.60E-03	5.25E-04	5.04E-04	3.92E-04	2.57E-04
1912	563195.04	4234400.71	4.17E-03	3.72E-03	7.07E-04	5.96E-04	3.36E-03	2.73E-03	5.51E-04	5.29E-04	4.11E-04	2.70E-04
1913	563185.51	4234399.93	4.37E-03	3.90E-03	7.42E-04	6.25E-04	3.53E-03	2.86E-03	5.78E-04	5.55E-04	4.32E-04	2.83E-04
1914	563175.99	4234399.14	4.59E-03	4.10E-03	7.79E-04	6.57E-04	3.71E-03	3.01E-03	6.07E-04	5.83E-04	4.54E-04	2.98E-04
1915	563166.47	4234398.36	4.83E-03	4.31E-03	8.20E-04	6.91E-04	3.90E-03	3.16E-03	6.39E-04	6.13E-04	4.77E-04	3.13E-04
1916	563156.95	4234397.58	5.09E-03	4.54E-03	8.63E-04	7.27E-04	4.11E-03	3.33E-03	6.73E-04	6.45E-04	5.02E-04	3.30E-04
1917	563147.43	4234396.79	5.35E-03	4.78E-03	9.09E-04	7.66E-04	4.32E-03	3.50E-03	7.08E-04	6.79E-04	5.29E-04	3.47E-04
1918	563137.91	4234396.01	5.64E-03	5.03E-03	9.56E-04	8.06E-04	4.55E-03	3.69E-03	7.45E-04	7.15E-04	5.57E-04	3.65E-04
1919	563128.39	4234395.23	5.93E-03	5.29E-03	1.01E-03	8.48E-04	4.79E-03	3.88E-03	7.84E-04	7.52E-04	5.85E-04	3.84E-04
1920	563118.87	4234394.44	6.24E-03	5.57E-03	1.06E-03	8.93E-04	5.04E-03	4.09E-03	8.26E-04	7.92E-04	6.17E-04	4.05E-04
1921	563109.35	4234393.66	6.59E-03	5.88E-03	1.12E-03	9.43E-04	5.32E-03	4.31E-03	8.72E-04	8.36E-04	6.51E-04	4.27E-04
1922	563206.2	4234381.56	3.63E-03	3.24E-03	6.15E-04	5.19E-04	2.93E-03	2.37E-03	4.80E-04	4.60E-04	3.58E-04	2.35E-04
1923	563196.68	4234380.78	3.79E-03	3.38E-03	6.43E-04	5.42E-04	3.06E-03	2.48E-03	5.01E-04	4.81E-04	3.74E-04	2.46E-04
1924	563187.15	4234380	3.96E-03	3.53E-03	6.72E-04	5.67E-04	3.20E-03	2.59E-03	5.24E-04	5.03E-04	3.91E-04	2.57E-04
1925	563177.63	4234379.21	4.15E-03	3.70E-03	7.04E-04	5.93E-04	3.35E-03	2.71E-03	5.49E-04	5.26E-04	4.10E-04	2.69E-04
1926	563168.11	4234378.43	4.35E-03	3.88E-03	7.38E-04	6.22E-04	3.51E-03	2.85E-03	5.75E-04	5.52E-04	4.30E-04	2.82E-04
1927	563158.59	4234377.64	4.57E-03	4.07E-03	7.75E-04	6.53E-04	3.69E-03	2.99E-03	6.04E-04	5.79E-04	4.51E-04	2.96E-04
1928	563149.07	4234376.86	4.80E-03	4.28E-03	8.14E-04	6.86E-04	3.87E-03	3.14E-03	6.34E-04	6.09E-04	4.74E-04	3.11E-04

1929	563139.55	4234376.08	5.04E-03	4.50E-03	8.56E-04	7.21E-04	4.07E-03	3.30E-03	6.67E-04	6.40E-04	4.98E-04	3.27E-04
1930	563130.03	4234375.29	5.30E-03	4.73E-03	8.99E-04	7.58E-04	4.28E-03	3.47E-03	7.01E-04	6.72E-04	5.23E-04	3.43E-04
1931	563120.51	4234374.51	5.58E-03	4.97E-03	9.46E-04	7.97E-04	4.50E-03	3.65E-03	7.37E-04	7.08E-04	5.51E-04	3.61E-04
1932	563110.99	4234373.73	5.89E-03	5.25E-03	9.99E-04	8.42E-04	4.75E-03	3.85E-03	7.79E-04	7.47E-04	5.81E-04	3.82E-04
1933	563207.84	4234361.63	3.33E-03	2.97E-03	5.65E-04	4.76E-04	2.69E-03	2.18E-03	4.40E-04	4.22E-04	3.29E-04	2.16E-04
1934	563198.32	4234360.85	3.47E-03	3.09E-03	5.88E-04	4.96E-04	2.80E-03	2.27E-03	4.58E-04	4.40E-04	3.42E-04	2.25E-04
1935	563188.8	4234360.06	3.61E-03	3.22E-03	6.13E-04	5.16E-04	2.92E-03	2.36E-03	4.78E-04	4.58E-04	3.57E-04	2.34E-04
1936	563179.27	4234359.28	3.77E-03	3.36E-03	6.40E-04	5.39E-04	3.04E-03	2.47E-03	4.98E-04	4.78E-04	3.72E-04	2.44E-04
1937	563169.75	4234358.5	3.94E-03	3.51E-03	6.69E-04	5.63E-04	3.18E-03	2.58E-03	5.21E-04	5.00E-04	3.89E-04	2.55E-04
1938	563160.23	4234357.71	4.13E-03	3.68E-03	7.00E-04	5.90E-04	3.33E-03	2.70E-03	5.46E-04	5.23E-04	4.07E-04	2.67E-04
1939	563150.71	4234356.93	4.32E-03	3.86E-03	7.34E-04	6.18E-04	3.49E-03	2.83E-03	5.72E-04	5.49E-04	4.27E-04	2.80E-04
1940	563141.19	4234356.14	4.54E-03	4.05E-03	7.70E-04	6.49E-04	3.66E-03	2.97E-03	6.00E-04	5.76E-04	4.48E-04	2.94E-04
1941	563131.67	4234355.36	4.76E-03	4.25E-03	8.08E-04	6.81E-04	3.85E-03	3.12E-03	6.30E-04	6.04E-04	4.70E-04	3.09E-04
1942	563122.15	4234354.58	5.00E-03	4.46E-03	8.49E-04	7.16E-04	4.04E-03	3.27E-03	6.62E-04	6.35E-04	4.94E-04	3.24E-04
1943	563112.63	4234353.79	5.28E-03	4.71E-03	8.97E-04	7.56E-04	4.27E-03	3.46E-03	6.99E-04	6.71E-04	5.22E-04	3.43E-04
1944	563209.48	4234341.7	3.07E-03	2.74E-03	5.21E-04	4.39E-04	2.48E-03	2.01E-03	4.06E-04	3.89E-04	3.03E-04	1.99E-04
1945	563199.96	4234340.91	3.19E-03	2.84E-03	5.40E-04	4.56E-04	2.57E-03	2.08E-03	4.21E-04	4.04E-04	3.15E-04	2.06E-04
1946	563190.44	4234340.13	3.31E-03	2.95E-03	5.62E-04	4.73E-04	2.67E-03	2.17E-03	4.38E-04	4.20E-04	3.27E-04	2.14E-04
1947	563180.92	4234339.35	3.44E-03	3.07E-03	5.84E-04	4.92E-04	2.78E-03	2.25E-03	4.55E-04	4.37E-04	3.40E-04	2.23E-04
1948	563171.39	4234338.56	3.59E-03	3.20E-03	6.09E-04	5.13E-04	2.90E-03	2.35E-03	4.75E-04	4.55E-04	3.55E-04	2.33E-04
1949	563161.87	4234337.78	3.75E-03	3.34E-03	6.36E-04	5.36E-04	3.03E-03	2.45E-03	4.96E-04	4.76E-04	3.70E-04	2.43E-04
1950	563152.35	4234337	3.92E-03	3.50E-03	6.65E-04	5.61E-04	3.17E-03	2.57E-03	5.19E-04	4.98E-04	3.87E-04	2.54E-04
1951	563142.83	4234336.21	4.11E-03	3.66E-03	6.97E-04	5.87E-04	3.32E-03	2.69E-03	5.43E-04	5.21E-04	4.06E-04	2.66E-04
1952	563133.31	4234335.43	4.31E-03	3.84E-03	7.31E-04	6.16E-04	3.48E-03	2.82E-03	5.69E-04	5.46E-04	4.25E-04	2.79E-04
1953	563123.79	4234334.64	4.51E-03	4.03E-03	7.66E-04	6.45E-04	3.64E-03	2.95E-03	5.97E-04	5.73E-04	4.46E-04	2.93E-04
1954	563114.27	4234333.86	4.76E-03	4.25E-03	8.08E-04	6.81E-04	3.85E-03	3.12E-03	6.30E-04	6.04E-04	4.70E-04	3.09E-04
1955	563212.76	4234301.83	2.64E-03	2.35E-03	4.48E-04	3.78E-04	2.13E-03	1.73E-03	3.49E-04	3.35E-04	2.61E-04	1.71E-04
1956	563203.24	4234301.05	2.72E-03	2.43E-03	4.62E-04	3.90E-04	2.20E-03	1.78E-03	3.60E-04	3.46E-04	2.69E-04	1.77E-04
1957	563193.72	4234300.26	2.82E-03	2.51E-03	4.78E-04	4.03E-04	2.27E-03	1.84E-03	3.72E-04	3.57E-04	2.78E-04	1.82E-04
1958	563184.2	4234299.48	2.92E-03	2.60E-03	4.95E-04	4.17E-04	2.35E-03	1.91E-03	3.86E-04	3.70E-04	2.88E-04	1.89E-04
1959	563174.68	4234298.7	3.02E-03	2.70E-03	5.13E-04	4.32E-04	2.44E-03	1.98E-03	4.00E-04	3.84E-04	2.99E-04	1.96E-04
1960	563165.15	4234297.91	3.14E-03	2.80E-03	5.33E-04	4.49E-04	2.54E-03	2.06E-03	4.16E-04	3.99E-04	3.10E-04	2.04E-04
1961	563155.63	4234297.13	3.27E-03	2.92E-03	5.55E-04	4.68E-04	2.64E-03	2.14E-03	4.33E-04	4.15E-04	3.23E-04	2.12E-04
1962	563146.11	4234296.35	3.42E-03	3.05E-03	5.80E-04	4.89E-04	2.76E-03	2.24E-03	4.52E-04	4.33E-04	3.37E-04	2.21E-04
1963	563136.59	4234295.56	3.57E-03	3.18E-03	6.06E-04	5.10E-04	2.88E-03	2.34E-03	4.72E-04	4.53E-04	3.53E-04	2.31E-04
1964	563127.07	4234294.78	3.73E-03	3.33E-03	6.33E-04	5.34E-04	3.01E-03	2.44E-03	4.94E-04	4.74E-04	3.69E-04	2.42E-04
1965	563117.55	4234294	3.92E-03	3.50E-03	6.66E-04	5.61E-04	3.17E-03	2.57E-03	5.19E-04	4.98E-04	3.87E-04	2.54E-04
1966	563216.04	4234261.97	2.30E-03	2.05E-03	3.91E-04	3.29E-04	1.86E-03	1.51E-03	3.05E-04	2.92E-04	2.27E-04	1.49E-04
1967	563206.52	4234261.18	2.36E-03	2.11E-03	4.01E-04	3.38E-04	1.91E-03	1.55E-03	3.13E-04	3.00E-04	2.33E-04	1.53E-04
1968	563197	4234260.4	2.43E-03	2.17E-03	4.13E-04	3.48E-04	1.96E-03	1.59E-03	3.22E-04	3.09E-04	2.40E-04	1.58E-04
1969	563187.48	4234259.62	2.51E-03	2.24E-03	4.25E-04	3.59E-04	2.02E-03	1.64E-03	3.32E-04	3.18E-04	2.48E-04	1.63E-04
1970	563177.96	4234258.83	2.59E-03	2.31E-03	4.39E-04	3.70E-04	2.09E-03	1.69E-03	3.43E-04	3.29E-04	2.56E-04	1.68E-04
1971	563168.44	4234258.05	2.68E-03	2.39E-03	4.55E-04	3.83E-04	2.16E-03	1.75E-03	3.55E-04	3.40E-04	2.65E-04	1.74E-04
1972	563158.91	4234257.27	2.78E-03	2.48E-03	4.72E-04	3.98E-04	2.25E-03	1.82E-03	3.68E-04	3.53E-04	2.75E-04	1.80E-04
1973	563149.39	4234256.48	2.89E-03	2.58E-03	4.91E-04	4.13E-04	2.33E-03	1.89E-03	3.82E-04	3.67E-04	2.86E-04	1.87E-04
1974	563139.87	4234255.7	3.01E-03	2.69E-03	5.11E-04	4.31E-04	2.43E-03	1.97E-03	3.98E-04	3.82E-04	2.97E-04	1.95E-04
1975	563130.35	4234254.91	3.14E-03	2.80E-03	5.33E-04	4.49E-04	2.54E-03	2.05E-03	4.15E-04	3.98E-04	3.10E-04	2.03E-04
1976	563120.83	4234254.13	3.28E-03	2.92E-03	5.56E-04	4.69E-04	2.65E-03	2.15E-03	4.34E-04	4.16E-04	3.24E-04	2.12E-04
1977	563219.32	4234222.1	2.07E-03	1.84E-03	3.51E-04	2.96E-04	1.67E-03	1.35E-03	2.73E-04	2.62E-04	2.04E-04	1.34E-04
1978	563209.8	4234221.32	2.11E-03	1.88E-03	3.58E-04	3.02E-04	1.70E-03	1.38E-03	2.79E-04	2.68E-04	2.08E-04	1.37E-04
1979	563200.28	4234220.53	2.15E-03	1.92E-03	3.65E-04	3.08E-04	1.74E-03	1.41E-03	2.84E-04	2.73E-04	2.12E-04	1.39E-04
1980	563190.76	4234219.75	2.20E-03	1.96E-03	3.73E-04	3.14E-04	1.77E-03	1.44E-03	2.90E-04	2.79E-04	2.17E-04	1.42E-04
1981	563181.24	4234218.97	2.25E-03	2.01E-03	3.82E-04	3.22E-04	1.82E-03	1.47E-03	2.97E-04	2.85E-04	2.22E-04	1.46E-04
1982	563171.72	4234218.18	2.32E-03	2.07E-03	3.94E-04	3.32E-04	1.87E-03	1.52E-03	3.07E-04	2.94E-04	2.29E-04	1.50E-04
1983	563162.2	4234217.4	2.40E-03	2.14E-03	4.07E-04	3.43E-04	1.94E-03	1.57E-03	3.17E-04	3.04E-04	2.37E-04	1.55E-04
1984	563152.68	4234216.62	2.48E-03	2.22E-03	4.21E-04	3.55E-04	2.01E-03	1.63E-03	3.28E-04	3.15E-04	2.45E-04	1.61E-04
1985	563143.15	4234215.83	2.58E-03	2.30E-03	4.37E-04	3.69E-04	2.08E-03	1.69E-03	3.41E-04	3.27E-04	2.55E-04	1.67E-04
1986	563133.63	4234215.05	2.68E-03	2.39E-03	4.55E-04	3.83E-04	2.16E-03	1.75E-03	3.55E-04	3.40E-04	2.65E-04	1.74E-04
1987	563124.11	4234214.27	2.79E-03	2.49E-03	4.74E-04	3.99E-04	2.25E-03	1.83E-03	3.69E-04	3.54E-04	2.76E-04	1.81E-04
1988	563222.6	4234182.24	1.85E-03	1.65E-03	3.13E-04	2.64E-04	1.49E-03	1.21E-03	2.44E-04	2.34E-04	1.82E-04	1.20E-04
1989	563213.08	4234181.45	1.88E-03	1.68E-03	3.19E-04	2.69E-04	1.52E-03	1.23E-03	2.49E-04	2.39E-04	1.86E-04	1.22E-04
1990	563203.56	4234180.67	1.91E-03	1.70E-03	3.24E-04	2.73E-04	1.54E-03	1.25E-03	2.52E-04	2.42E-04	1.89E-04	1.24E-04
1991	563194.04	4234179.89	1.94E-03	1.73E-03	3.29E-04	2.78E-04	1.57E-03	1.27E-03	2.57E-04	2.46E-04	1.92E-04	1.26E-04
1992	563184.52	4234179.1	1.98E-03	1.76E-03	3.35E-04	2.83E-04	1.60E-03	1.29E-03	2.61E-04	2.51E-04	1.95E-04	1.28E-04
1993	563175	4234178.32	2.03E-03	1.81E-03	3.45E-04	2.90E-04	1.64E-03	1.33E-03	2.69E-04	2.58E-04	2.01E-04	1.32E-04
1994	563165.48	4234177.53	2.09E-03	1.87E-03	3.55E-04	2.99E-04	1.69E-03	1.37E-03	2.77E-04	2.66E-04	2.07E-04	1.36E-04
1995	563155.96	4234176.75	2.16E-03	1.93E-03	3.67E-04	3.09E-04	1.74E-03	1.41E-03	2.86E-04	2.74E-04	2.13E-04	1.40E-04
1996	563146.44	4234175.97	2.24E-03	2.00E-03	3.79E-04	3.20E-04	1.81E-03	1.46E-03	2.96E-04	2.84E-04	2.21E-04	1.45E-04
1997	563136.91	4234175.18	2.32E-03	2.07E-03	3.93E-04	3.32E-04	1.87E-03	1.52E-03	3.07E-04	2.94E-04	2.29E-04	1.50E-04

1998	563127.39	4234174.4	2.41E-03	2.15E-03	4.08E-04	3.44E-04	1.94E-03	1.58E-03	3.18E-04	3.05E-04	2.38E-04	1.56E-04
1999	563225.88	4234142.37	1.64E-03	1.47E-03	2.79E-04	2.35E-04	1.33E-03	1.08E-03	2.17E-04	2.09E-04	1.62E-04	1.07E-04
2000	563216.36	4234141.59	1.67E-03	1.49E-03	2.83E-04	2.38E-04	1.35E-03	1.09E-03	2.20E-04	2.11E-04	1.65E-04	1.08E-04
2001	563206.84	4234140.8	1.69E-03	1.51E-03	2.87E-04	2.42E-04	1.37E-03	1.11E-03	2.24E-04	2.15E-04	1.67E-04	1.10E-04
2002	563197.32	4234140.02	1.72E-03	1.54E-03	2.92E-04	2.46E-04	1.39E-03	1.13E-03	2.28E-04	2.18E-04	1.70E-04	1.12E-04
2003	563187.8	4234139.24	1.76E-03	1.57E-03	2.98E-04	2.51E-04	1.42E-03	1.15E-03	2.32E-04	2.23E-04	1.73E-04	1.14E-04
2004	563178.28	4234138.45	1.80E-03	1.60E-03	3.05E-04	2.57E-04	1.45E-03	1.18E-03	2.38E-04	2.28E-04	1.77E-04	1.16E-04
2005	563168.76	4234137.67	1.85E-03	1.65E-03	3.13E-04	2.64E-04	1.49E-03	1.21E-03	2.44E-04	2.34E-04	1.82E-04	1.20E-04
2006	563159.24	4234136.89	1.90E-03	1.70E-03	3.23E-04	2.72E-04	1.53E-03	1.24E-03	2.51E-04	2.41E-04	1.88E-04	1.23E-04
2007	563149.72	4234136.1	1.96E-03	1.75E-03	3.33E-04	2.81E-04	1.58E-03	1.28E-03	2.59E-04	2.49E-04	1.94E-04	1.27E-04
2008	563140.2	4234135.32	2.03E-03	1.81E-03	3.44E-04	2.90E-04	1.64E-03	1.33E-03	2.68E-04	2.57E-04	2.00E-04	1.31E-04
2009	563130.67	4234134.54	2.10E-03	1.87E-03	3.56E-04	3.00E-04	1.70E-03	1.37E-03	2.78E-04	2.67E-04	2.07E-04	1.36E-04
2010	563229.17	4234102.51	1.46E-03	1.31E-03	2.48E-04	2.09E-04	1.18E-03	9.58E-04	1.94E-04	1.86E-04	1.45E-04	9.49E-05
2011	563219.64	4234101.72	1.48E-03	1.32E-03	2.52E-04	2.12E-04	1.20E-03	9.72E-04	1.96E-04	1.88E-04	1.47E-04	9.62E-05
2012	563210.12	4234100.94	1.51E-03	1.35E-03	2.56E-04	2.16E-04	1.22E-03	9.87E-04	2.00E-04	1.91E-04	1.49E-04	9.78E-05
2013	563200.6	4234100.16	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.01E-03	2.03E-04	1.95E-04	1.52E-04	9.96E-05
2014	563191.08	4234099.37	1.57E-03	1.40E-03	2.66E-04	2.24E-04	1.27E-03	1.03E-03	2.07E-04	1.99E-04	1.55E-04	1.02E-04
2015	563181.56	4234098.59	1.60E-03	1.43E-03	2.72E-04	2.29E-04	1.30E-03	1.05E-03	2.12E-04	2.04E-04	1.58E-04	1.04E-04
2016	563172.04	4234097.8	1.64E-03	1.47E-03	2.79E-04	2.35E-04	1.33E-03	1.08E-03	2.17E-04	2.09E-04	1.62E-04	1.07E-04
2017	563162.52	4234097.02	1.69E-03	1.51E-03	2.86E-04	2.41E-04	1.36E-03	1.10E-03	2.23E-04	2.14E-04	1.67E-04	1.09E-04
2018	563153	4234096.24	1.74E-03	1.55E-03	2.95E-04	2.48E-04	1.40E-03	1.14E-03	2.30E-04	2.20E-04	1.72E-04	1.13E-04
2019	563143.48	4234095.45	1.79E-03	1.60E-03	3.04E-04	2.56E-04	1.45E-03	1.17E-03	2.37E-04	2.27E-04	1.77E-04	1.16E-04
2020	563133.96	4234094.67	1.85E-03	1.65E-03	3.14E-04	2.65E-04	1.49E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
2021	563232.45	4234062.64	1.33E-03	1.18E-03	2.25E-04	1.90E-04	1.07E-03	8.68E-04	1.75E-04	1.68E-04	1.31E-04	8.60E-05
2022	563222.93	4234061.86	1.35E-03	1.20E-03	2.28E-04	1.92E-04	1.09E-03	8.80E-04	1.78E-04	1.71E-04	1.33E-04	8.72E-05
2023	563213.4	4234061.07	1.37E-03	1.22E-03	2.32E-04	1.95E-04	1.10E-03	8.94E-04	1.81E-04	1.73E-04	1.35E-04	8.85E-05
2024	563203.88	4234060.29	1.39E-03	1.24E-03	2.36E-04	1.99E-04	1.12E-03	9.09E-04	1.84E-04	1.76E-04	1.37E-04	9.00E-05
2025	563194.36	4234059.51	1.41E-03	1.26E-03	2.40E-04	2.02E-04	1.14E-03	9.25E-04	1.87E-04	1.79E-04	1.40E-04	9.16E-05
2026	563184.84	4234058.72	1.44E-03	1.29E-03	2.45E-04	2.06E-04	1.16E-03	9.44E-04	1.91E-04	1.83E-04	1.42E-04	9.35E-05
2027	563175.32	4234057.94	1.48E-03	1.32E-03	2.50E-04	2.11E-04	1.19E-03	9.65E-04	1.95E-04	1.87E-04	1.46E-04	9.56E-05
2028	563165.8	4234057.16	1.51E-03	1.35E-03	2.56E-04	2.16E-04	1.22E-03	9.89E-04	2.00E-04	1.92E-04	1.49E-04	9.79E-05
2029	563156.28	4234056.37	1.55E-03	1.38E-03	2.63E-04	2.22E-04	1.25E-03	1.02E-03	2.05E-04	1.97E-04	1.53E-04	1.01E-04
2030	563146.76	4234055.59	1.60E-03	1.42E-03	2.71E-04	2.28E-04	1.29E-03	1.04E-03	2.11E-04	2.03E-04	1.58E-04	1.03E-04
2031	563137.24	4234054.8	1.65E-03	1.47E-03	2.79E-04	2.35E-04	1.33E-03	1.08E-03	2.18E-04	2.09E-04	1.62E-04	1.07E-04
2032	563226.21	4234021.99	1.23E-03	1.09E-03	2.08E-04	1.75E-04	9.91E-04	8.03E-04	1.62E-04	1.56E-04	1.21E-04	7.95E-05
2033	563216.69	4234021.21	1.24E-03	1.11E-03	2.11E-04	1.78E-04	1.00E-03	8.14E-04	1.64E-04	1.58E-04	1.23E-04	8.06E-05
2034	563207.16	4234020.42	1.26E-03	1.13E-03	2.14E-04	1.80E-04	1.02E-03	8.26E-04	1.67E-04	1.60E-04	1.25E-04	8.18E-05
2035	563197.64	4234019.64	1.28E-03	1.14E-03	2.18E-04	1.83E-04	1.04E-03	8.39E-04	1.70E-04	1.63E-04	1.27E-04	8.31E-05
2036	563188.12	4234018.86	1.31E-03	1.17E-03	2.22E-04	1.87E-04	1.05E-03	8.55E-04	1.73E-04	1.66E-04	1.29E-04	8.47E-05
2037	563178.6	4234018.07	1.33E-03	1.19E-03	2.26E-04	1.91E-04	1.08E-03	8.72E-04	1.76E-04	1.69E-04	1.32E-04	8.64E-05
2038	563169.08	4234017.29	1.36E-03	1.22E-03	2.31E-04	1.95E-04	1.10E-03	8.92E-04	1.80E-04	1.73E-04	1.35E-04	8.83E-05
2039	563159.56	4234016.51	1.40E-03	1.25E-03	2.37E-04	2.00E-04	1.13E-03	9.14E-04	1.85E-04	1.77E-04	1.38E-04	9.05E-05
2040	563150.04	4234015.72	1.43E-03	1.28E-03	2.43E-04	2.05E-04	1.16E-03	9.38E-04	1.90E-04	1.82E-04	1.42E-04	9.29E-05
2041	563140.52	4234014.94	1.47E-03	1.32E-03	2.50E-04	2.11E-04	1.19E-03	9.65E-04	1.95E-04	1.87E-04	1.46E-04	9.55E-05
2042	563229.49	4233982.13	1.12E-03	1.00E-03	1.91E-04	1.61E-04	9.08E-04	7.36E-04	1.49E-04	1.43E-04	1.11E-04	7.29E-05
2043	563219.97	4233981.34	1.14E-03	1.02E-03	1.93E-04	1.63E-04	9.19E-04	7.45E-04	1.50E-04	1.44E-04	1.12E-04	7.37E-05
2044	563210.45	4233980.56	1.15E-03	1.03E-03	1.96E-04	1.65E-04	9.31E-04	7.55E-04	1.52E-04	1.46E-04	1.14E-04	7.47E-05
2045	563200.92	4233979.78	1.17E-03	1.04E-03	1.99E-04	1.67E-04	9.45E-04	7.66E-04	1.55E-04	1.48E-04	1.16E-04	7.58E-05
2046	563191.4	4233978.99	1.19E-03	1.06E-03	2.02E-04	1.70E-04	9.61E-04	7.79E-04	1.57E-04	1.51E-04	1.17E-04	7.71E-05
2047	563181.88	4233978.21	1.21E-03	1.08E-03	2.06E-04	1.73E-04	9.79E-04	7.93E-04	1.60E-04	1.54E-04	1.20E-04	7.85E-05
2048	563172.36	4233977.43	1.24E-03	1.10E-03	2.10E-04	1.77E-04	9.99E-04	8.09E-04	1.64E-04	1.57E-04	1.22E-04	8.02E-05
2049	563162.84	4233976.64	1.26E-03	1.13E-03	2.15E-04	1.81E-04	1.02E-03	8.28E-04	1.67E-04	1.60E-04	1.25E-04	8.20E-05
2050	563153.32	4233975.86	1.30E-03	1.16E-03	2.20E-04	1.85E-04	1.05E-03	8.48E-04	1.71E-04	1.64E-04	1.28E-04	8.40E-05
2051	563143.8	4233975.07	1.33E-03	1.19E-03	2.26E-04	1.90E-04	1.07E-03	8.70E-04	1.76E-04	1.69E-04	1.31E-04	8.62E-05
2052	563232.77	4233942.26	1.04E-03	9.24E-04	1.76E-04	1.48E-04	8.36E-04	6.78E-04	1.37E-04	1.31E-04	1.02E-04	6.71E-05
2053	563223.25	4233941.48	1.05E-03	9.33E-04	1.78E-04	1.50E-04	8.45E-04	6.85E-04	1.38E-04	1.33E-04	1.03E-04	6.78E-05
2054	563213.73	4233940.69	1.06E-03	9.45E-04	1.80E-04	1.51E-04	8.55E-04	6.93E-04	1.40E-04	1.34E-04	1.05E-04	6.86E-05
2055	563204.21	4233939.91	1.07E-03	9.57E-04	1.82E-04	1.53E-04	8.66E-04	7.02E-04	1.42E-04	1.36E-04	1.06E-04	6.95E-05
2056	563194.69	4233939.13	1.09E-03	9.72E-04	1.85E-04	1.56E-04	8.80E-04	7.13E-04	1.44E-04	1.38E-04	1.08E-04	7.06E-05
2057	563185.16	4233938.34	1.11E-03	9.88E-04	1.88E-04	1.58E-04	8.94E-04	7.25E-04	1.47E-04	1.41E-04	1.09E-04	7.18E-05
2058	563175.64	4233937.56	1.13E-03	1.01E-03	1.92E-04	1.61E-04	9.11E-04	7.39E-04	1.49E-04	1.43E-04	1.11E-04	7.32E-05
2059	563166.12	4233936.78	1.15E-03	1.03E-03	1.96E-04	1.65E-04	9.30E-04	7.54E-04	1.52E-04	1.46E-04	1.14E-04	7.47E-05
2060	563156.6	4233935.99	1.18E-03	1.05E-03	2.00E-04	1.69E-04	9.51E-04	7.71E-04	1.56E-04	1.50E-04	1.16E-04	7.64E-05
2061	563147.08	4233935.21	1.21E-03	1.08E-03	2.05E-04	1.73E-04	9.75E-04	7.90E-04	1.60E-04	1.53E-04	1.19E-04	7.82E-05
2062	563078.9	4234641.31	2.83E-02	2.52E-02	4.80E-03	4.05E-03	2.28E-02	1.85E-02	3.74E-03	3.59E-03	2.79E-03	1.83E-03
2063	563078.1	4234650.63	2.91E-02	2.60E-02	4.94E-03	4.16E-03	2.35E-02	1.91E-02	3.85E-03	3.69E-03	2.88E-03	1.89E-03
2064	563077.3	4234659.95	2.97E-02	2.65E-02	5.04E-03	4.25E-03	2.40E-02	1.94E-02	3.93E-03	3.77E-03	2.93E-03	1.93E-03
2065	563076.51	4234669.27	3.00E-02	2.68E-02	5.09E-03	4.29E-03	2.42E-02	1.96E-02	3.97E-03	3.81E-03	2.96E-03	1.94E-03
2066	563075.71	4234678.58	2.98E-02	2.66E-02	5.05E-03	4.26E-03	2.41E-02	1.95E-02	3.94E-03	3.78E-03	2.94E-03	1.93E-03

2067	563074.91	4234687.9	2.95E-02	2.63E-02	5.00E-03	4.21E-03	2.38E-02	1.93E-02	3.90E-03	3.74E-03	2.91E-03	1.91E-03
2068	563074.11	4234697.22	2.91E-02	2.59E-02	4.93E-03	4.16E-03	2.35E-02	1.90E-02	3.84E-03	3.69E-03	2.87E-03	1.88E-03
2069	563073.32	4234706.54	2.87E-02	2.56E-02	4.88E-03	4.11E-03	2.32E-02	1.88E-02	3.80E-03	3.65E-03	2.84E-03	1.86E-03
2070	563072.52	4234715.85	2.83E-02	2.52E-02	4.80E-03	4.05E-03	2.28E-02	1.85E-02	3.74E-03	3.59E-03	2.79E-03	1.83E-03
2071	563071.72	4234725.17	2.77E-02	2.48E-02	4.71E-03	3.97E-03	2.24E-02	1.82E-02	3.67E-03	3.52E-03	2.74E-03	1.80E-03
2072	563070.92	4234734.49	2.73E-02	2.44E-02	4.64E-03	3.91E-03	2.21E-02	1.79E-02	3.61E-03	3.47E-03	2.70E-03	1.77E-03
2073	563070.13	4234743.81	2.69E-02	2.40E-02	4.57E-03	3.85E-03	2.17E-02	1.76E-02	3.56E-03	3.42E-03	2.66E-03	1.75E-03
2074	563068.94	4234640.46	2.53E-02	2.25E-02	4.29E-03	3.61E-03	2.04E-02	1.65E-02	3.34E-03	3.21E-03	2.49E-03	1.64E-03
2075	563068.14	4234649.78	2.59E-02	2.31E-02	4.39E-03	3.70E-03	2.09E-02	1.69E-02	3.42E-03	3.28E-03	2.55E-03	1.68E-03
2076	563067.34	4234659.1	2.63E-02	2.35E-02	4.46E-03	3.76E-03	2.12E-02	1.72E-02	3.48E-03	3.34E-03	2.60E-03	1.70E-03
2077	563066.54	4234668.41	2.65E-02	2.36E-02	4.50E-03	3.79E-03	2.14E-02	1.73E-02	3.50E-03	3.36E-03	2.62E-03	1.72E-03
2078	563065.75	4234677.73	2.62E-02	2.34E-02	4.45E-03	3.75E-03	2.12E-02	1.72E-02	3.47E-03	3.33E-03	2.59E-03	1.70E-03
2079	563064.95	4234687.05	2.58E-02	2.30E-02	4.38E-03	3.69E-03	2.09E-02	1.69E-02	3.42E-03	3.28E-03	2.55E-03	1.67E-03
2080	563064.15	4234696.37	2.54E-02	2.26E-02	4.30E-03	3.63E-03	2.05E-02	1.66E-02	3.35E-03	3.22E-03	2.50E-03	1.64E-03
2081	563063.35	4234705.68	2.48E-02	2.21E-02	4.21E-03	3.55E-03	2.00E-02	1.62E-02	3.28E-03	3.15E-03	2.45E-03	1.61E-03
2082	563062.56	4234715	2.42E-02	2.16E-02	4.10E-03	3.46E-03	1.95E-02	1.58E-02	3.20E-03	3.07E-03	2.39E-03	1.57E-03
2083	563061.76	4234724.32	2.35E-02	2.10E-02	3.99E-03	3.36E-03	1.90E-02	1.54E-02	3.11E-03	2.98E-03	2.32E-03	1.52E-03
2084	563060.96	4234733.64	2.31E-02	2.06E-02	3.92E-03	3.30E-03	1.87E-02	1.51E-02	3.05E-03	2.93E-03	2.28E-03	1.50E-03
2085	563060.16	4234742.95	2.27E-02	2.03E-02	3.86E-03	3.25E-03	1.84E-02	1.49E-02	3.01E-03	2.89E-03	2.25E-03	1.47E-03
2086	563058.97	4234639.61	2.26E-02	2.02E-02	3.84E-03	3.23E-03	1.82E-02	1.48E-02	2.99E-03	2.87E-03	2.23E-03	1.46E-03
2087	563058.17	4234648.93	2.31E-02	2.06E-02	3.91E-03	3.30E-03	1.86E-02	1.51E-02	3.05E-03	2.93E-03	2.28E-03	1.49E-03
2088	563057.38	4234658.24	2.34E-02	2.08E-02	3.96E-03	3.34E-03	1.89E-02	1.53E-02	3.09E-03	2.96E-03	2.31E-03	1.51E-03
2089	563056.58	4234667.56	2.35E-02	2.10E-02	3.99E-03	3.36E-03	1.90E-02	1.54E-02	3.11E-03	2.98E-03	2.32E-03	1.52E-03
2090	563055.78	4234676.88	2.32E-02	2.07E-02	3.93E-03	3.32E-03	1.87E-02	1.52E-02	3.07E-03	2.94E-03	2.29E-03	1.50E-03
2091	563054.98	4234686.2	2.28E-02	2.03E-02	3.86E-03	3.26E-03	1.84E-02	1.49E-02	3.01E-03	2.89E-03	2.25E-03	1.48E-03
2092	563054.19	4234695.51	2.23E-02	1.99E-02	3.78E-03	3.18E-03	1.80E-02	1.46E-02	2.94E-03	2.83E-03	2.20E-03	1.44E-03
2093	563053.39	4234704.83	2.17E-02	1.94E-02	3.68E-03	3.10E-03	1.75E-02	1.42E-02	2.87E-03	2.75E-03	2.14E-03	1.41E-03
2094	563052.59	4234714.15	2.11E-02	1.88E-02	3.58E-03	3.01E-03	1.70E-02	1.38E-02	2.79E-03	2.67E-03	2.08E-03	1.37E-03
2095	563051.79	4234723.47	2.04E-02	1.82E-02	3.46E-03	2.92E-03	1.65E-02	1.33E-02	2.70E-03	2.59E-03	2.01E-03	1.32E-03
2096	563051	4234732.78	1.99E-02	1.78E-02	3.38E-03	2.85E-03	1.61E-02	1.30E-02	2.64E-03	2.53E-03	1.97E-03	1.29E-03
2097	563050.2	4234742.1	1.96E-02	1.74E-02	3.32E-03	2.80E-03	1.58E-02	1.28E-02	2.59E-03	2.48E-03	1.93E-03	1.27E-03
2098	563071.12	4234599.97	2.18E-02	1.95E-02	3.71E-03	3.12E-03	1.76E-02	1.43E-02	2.89E-03	2.77E-03	2.16E-03	1.42E-03
2099	563049.01	4234638.76	2.03E-02	1.81E-02	3.44E-03	2.90E-03	1.64E-02	1.33E-02	2.68E-03	2.57E-03	2.00E-03	1.31E-03
2100	563048.21	4234648.07	2.06E-02	1.84E-02	3.50E-03	2.95E-03	1.66E-02	1.35E-02	2.72E-03	2.61E-03	2.03E-03	1.34E-03
2101	563047.41	4234657.39	2.08E-02	1.86E-02	3.53E-03	2.98E-03	1.68E-02	1.36E-02	2.75E-03	2.64E-03	2.06E-03	1.35E-03
2102	563046.62	4234666.71	2.09E-02	1.87E-02	3.55E-03	2.99E-03	1.69E-02	1.37E-02	2.77E-03	2.65E-03	2.07E-03	1.36E-03
2103	563045.82	4234676.03	2.06E-02	1.84E-02	3.49E-03	2.94E-03	1.66E-02	1.35E-02	2.72E-03	2.61E-03	2.03E-03	1.33E-03
2104	563045.02	4234685.34	2.02E-02	1.80E-02	3.42E-03	2.88E-03	1.63E-02	1.32E-02	2.66E-03	2.56E-03	1.99E-03	1.31E-03
2105	563044.22	4234694.66	1.97E-02	1.75E-02	3.33E-03	2.81E-03	1.59E-02	1.29E-02	2.60E-03	2.49E-03	1.94E-03	1.27E-03
2106	563043.43	4234703.98	1.91E-02	1.70E-02	3.24E-03	2.73E-03	1.54E-02	1.25E-02	2.53E-03	2.42E-03	1.89E-03	1.24E-03
2107	563042.63	4234713.3	1.85E-02	1.65E-02	3.14E-03	2.65E-03	1.49E-02	1.21E-02	2.45E-03	2.35E-03	1.83E-03	1.20E-03
2108	563041.83	4234722.61	1.79E-02	1.59E-02	3.03E-03	2.55E-03	1.44E-02	1.17E-02	2.36E-03	2.27E-03	1.76E-03	1.16E-03
2109	563041.03	4234731.93	1.74E-02	1.55E-02	2.95E-03	2.49E-03	1.40E-02	1.14E-02	2.30E-03	2.21E-03	1.72E-03	1.13E-03
2110	563040.24	4234741.25	1.70E-02	1.52E-02	2.89E-03	2.43E-03	1.37E-02	1.11E-02	2.25E-03	2.16E-03	1.68E-03	1.10E-03
2111	563064.66	4234592.33	2.01E-02	1.79E-02	3.41E-03	2.87E-03	1.62E-02	1.32E-02	2.66E-03	2.55E-03	1.98E-03	1.30E-03
2112	563079.21	4234587.68	2.18E-02	1.95E-02	3.70E-03	3.12E-03	1.76E-02	1.43E-02	2.89E-03	2.77E-03	2.16E-03	1.41E-03
2113	563039.04	4234637.9	1.82E-02	1.63E-02	3.09E-03	2.61E-03	1.47E-02	1.19E-02	2.41E-03	2.31E-03	1.80E-03	1.18E-03
2114	563038.25	4234647.22	1.85E-02	1.65E-02	3.13E-03	2.64E-03	1.49E-02	1.21E-02	2.44E-03	2.34E-03	1.82E-03	1.20E-03
2115	563037.45	4234656.54	1.86E-02	1.66E-02	3.16E-03	2.66E-03	1.50E-02	1.22E-02	2.46E-03	2.36E-03	1.84E-03	1.21E-03
2116	563036.65	4234665.86	1.87E-02	1.66E-02	3.17E-03	2.67E-03	1.51E-02	1.22E-02	2.47E-03	2.37E-03	1.84E-03	1.21E-03
2117	563035.85	4234675.17	1.83E-02	1.64E-02	3.11E-03	2.62E-03	1.48E-02	1.20E-02	2.42E-03	2.33E-03	1.81E-03	1.19E-03
2118	563035.06	4234684.49	1.79E-02	1.60E-02	3.04E-03	2.56E-03	1.45E-02	1.17E-02	2.37E-03	2.27E-03	1.77E-03	1.16E-03
2119	563034.26	4234693.81	1.74E-02	1.56E-02	2.96E-03	2.49E-03	1.41E-02	1.14E-02	2.31E-03	2.21E-03	1.72E-03	1.13E-03
2120	563033.46	4234703.13	1.69E-02	1.51E-02	2.87E-03	2.42E-03	1.37E-02	1.11E-02	2.24E-03	2.15E-03	1.67E-03	1.10E-03
2121	563032.66	4234712.44	1.64E-02	1.46E-02	2.78E-03	2.34E-03	1.32E-02	1.07E-02	2.16E-03	2.08E-03	1.62E-03	1.06E-03
2122	563031.87	4234721.76	1.58E-02	1.41E-02	2.68E-03	2.26E-03	1.27E-02	1.03E-02	2.09E-03	2.00E-03	1.56E-03	1.02E-03
2123	563031.07	4234731.08	1.53E-02	1.36E-02	2.59E-03	2.19E-03	1.23E-02	1.00E-02	2.02E-03	1.94E-03	1.51E-03	9.91E-04
2124	563030.27	4234740.4	1.49E-02	1.33E-02	2.53E-03	2.13E-03	1.20E-02	9.75E-03	1.97E-03	1.89E-03	1.47E-03	9.66E-04
2125	563046.72	4234595.17	1.75E-02	1.57E-02	2.98E-03	2.51E-03	1.42E-02	1.15E-02	2.32E-03	2.23E-03	1.73E-03	1.14E-03
2126	563059.66	4234584.23	1.87E-02	1.67E-02	3.18E-03	2.68E-03	1.51E-02	1.23E-02	2.48E-03	2.38E-03	1.85E-03	1.22E-03
2127	563068.39	4234581.43	1.97E-02	1.76E-02	3.35E-03	2.82E-03	1.59E-02	1.29E-02	2.61E-03	2.50E-03	1.95E-03	1.28E-03
2128	563077.12	4234578.64	2.06E-02	1.84E-02	3.49E-03	2.94E-03	1.66E-02	1.35E-02	2.72E-03	2.61E-03	2.03E-03	1.33E-03
2129	563085.85	4234575.85	2.12E-02	1.89E-02	3.59E-03	3.03E-03	1.71E-02	1.39E-02	2.80E-03	2.69E-03	2.09E-03	1.37E-03
2130	563029.08	4234637.05	1.64E-02	1.46E-02	2.79E-03	2.35E-03	1.33E-02	1.07E-02	2.17E-03	2.08E-03	1.62E-03	1.06E-03
2131	563028.28	4234646.37	1.66E-02	1.48E-02	2.82E-03	2.37E-03	1.34E-02	1.09E-02	2.19E-03	2.11E-03	1.64E-03	1.08E-03
2132	563027.49	4234655.69	1.67E-02	1.49E-02	2.83E-03	2.39E-03	1.35E-02	1.09E-02	2.21E-03	2.12E-03	1.65E-03	1.08E-03
2133	563026.69	4234665	1.67E-02	1.49E-02	2.83E-03	2.39E-03	1.35E-02	1.09E-02	2.21E-03	2.12E-03	1.65E-03	1.08E-03
2134	563025.89	4234674.32	1.64E-02	1.46E-02	2.78E-03	2.35E-03	1.32E-02	1.07E-02	2.17E-03	2.08E-03	1.62E-03	1.06E-03
2135	563025.09	4234683.64	1.60E-02	1.43E-02	2.72E-03	2.29E-03	1.29E-02	1.05E-02	2.12E-03	2.03E-03	1.58E-03	1.04E-03

2136	563024.3	4234692.96	1.56E-02	1.39E-02	2.64E-03	2.23E-03	1.26E-02	1.02E-02	2.06E-03	1.97E-03	1.54E-03	1.01E-03
2137	563023.5	4234702.27	1.51E-02	1.35E-02	2.56E-03	2.16E-03	1.22E-02	9.87E-03	1.99E-03	1.91E-03	1.49E-03	9.77E-04
2138	563022.7	4234711.59	1.46E-02	1.30E-02	2.47E-03	2.08E-03	1.18E-02	9.53E-03	1.93E-03	1.85E-03	1.44E-03	9.44E-04
2139	563021.9	4234720.91	1.40E-02	1.25E-02	2.38E-03	2.01E-03	1.13E-02	9.19E-03	1.86E-03	1.78E-03	1.39E-03	9.10E-04
2140	563021.11	4234730.23	1.36E-02	1.21E-02	2.30E-03	1.94E-03	1.09E-02	8.87E-03	1.79E-03	1.72E-03	1.34E-03	8.79E-04
2141	563020.31	4234739.54	1.31E-02	1.17E-02	2.23E-03	1.88E-03	1.06E-02	8.60E-03	1.74E-03	1.67E-03	1.30E-03	8.51E-04
2142	563036.29	4234595.22	1.61E-02	1.43E-02	2.73E-03	2.30E-03	1.30E-02	1.05E-02	2.12E-03	2.04E-03	1.59E-03	1.04E-03
2143	563052.96	4234576.67	1.74E-02	1.55E-02	2.95E-03	2.48E-03	1.40E-02	1.14E-02	2.30E-03	2.20E-03	1.71E-03	1.13E-03
2144	563069.94	4234571.24	1.91E-02	1.70E-02	3.23E-03	2.73E-03	1.54E-02	1.25E-02	2.52E-03	2.42E-03	1.88E-03	1.24E-03
2145	563019.12	4234636.2	1.48E-02	1.32E-02	2.52E-03	2.12E-03	1.20E-02	9.70E-03	1.96E-03	1.88E-03	1.46E-03	9.61E-04
2146	563018.32	4234645.52	1.50E-02	1.33E-02	2.54E-03	2.14E-03	1.21E-02	9.78E-03	1.98E-03	1.90E-03	1.48E-03	9.69E-04
2147	563017.52	4234654.83	1.50E-02	1.34E-02	2.55E-03	2.15E-03	1.21E-02	9.82E-03	1.98E-03	1.90E-03	1.48E-03	9.72E-04
2148	563016.73	4234664.15	1.50E-02	1.34E-02	2.54E-03	2.14E-03	1.21E-02	9.81E-03	1.98E-03	1.90E-03	1.48E-03	9.71E-04
2149	563015.93	4234673.47	1.47E-02	1.31E-02	2.50E-03	2.11E-03	1.19E-02	9.64E-03	1.95E-03	1.87E-03	1.46E-03	9.55E-04
2150	563015.13	4234682.79	1.44E-02	1.28E-02	2.44E-03	2.06E-03	1.16E-02	9.41E-03	1.90E-03	1.82E-03	1.42E-03	9.31E-04
2151	563014.33	4234692.1	1.40E-02	1.25E-02	2.37E-03	2.00E-03	1.13E-02	9.14E-03	1.85E-03	1.77E-03	1.38E-03	9.05E-04
2152	563013.54	4234701.42	1.35E-02	1.21E-02	2.30E-03	1.94E-03	1.09E-02	8.86E-03	1.79E-03	1.72E-03	1.34E-03	8.77E-04
2153	563012.74	4234710.74	1.31E-02	1.17E-02	2.22E-03	1.87E-03	1.06E-02	8.56E-03	1.73E-03	1.66E-03	1.29E-03	8.47E-04
2154	563011.94	4234720.06	1.26E-02	1.12E-02	2.14E-03	1.80E-03	1.02E-02	8.25E-03	1.67E-03	1.60E-03	1.24E-03	8.17E-04
2155	563011.14	4234729.37	1.21E-02	1.08E-02	2.06E-03	1.74E-03	9.81E-03	7.95E-03	1.61E-03	1.54E-03	1.20E-03	7.87E-04
2156	563010.35	4234738.69	1.17E-02	1.04E-02	1.99E-03	1.67E-03	9.46E-03	7.66E-03	1.55E-03	1.49E-03	1.16E-03	7.59E-04
2157	563030	4234587.26	1.49E-02	1.33E-02	2.53E-03	2.13E-03	1.20E-02	9.76E-03	1.97E-03	1.89E-03	1.47E-03	9.67E-04
2158	563046.34	4234569.09	1.61E-02	1.44E-02	2.74E-03	2.31E-03	1.30E-02	1.06E-02	2.14E-03	2.05E-03	1.59E-03	1.05E-03
2159	563062.96	4234563.76	1.77E-02	1.58E-02	3.01E-03	2.53E-03	1.43E-02	1.16E-02	2.34E-03	2.25E-03	1.75E-03	1.15E-03
2160	563079.59	4234558.44	1.88E-02	1.67E-02	3.18E-03	2.68E-03	1.51E-02	1.23E-02	2.48E-03	2.38E-03	1.85E-03	1.22E-03
2161	563009.15	4234635.35	1.34E-02	1.20E-02	2.28E-03	1.92E-03	1.09E-02	8.80E-03	1.78E-03	1.71E-03	1.33E-03	8.71E-04
2162	563008.36	4234644.66	1.35E-02	1.21E-02	2.29E-03	1.93E-03	1.09E-02	8.85E-03	1.79E-03	1.72E-03	1.33E-03	8.76E-04
2163	563007.56	4234653.98	1.35E-02	1.21E-02	2.30E-03	1.94E-03	1.09E-02	8.86E-03	1.79E-03	1.72E-03	1.34E-03	8.78E-04
2164	563006.76	4234663.3	1.35E-02	1.21E-02	2.29E-03	1.93E-03	1.09E-02	8.85E-03	1.79E-03	1.72E-03	1.34E-03	8.76E-04
2165	563005.96	4234672.62	1.33E-02	1.19E-02	2.26E-03	1.90E-03	1.07E-02	8.71E-03	1.76E-03	1.69E-03	1.31E-03	8.62E-04
2166	563005.17	4234681.93	1.30E-02	1.16E-02	2.20E-03	1.86E-03	1.05E-02	8.49E-03	1.72E-03	1.65E-03	1.28E-03	8.41E-04
2167	563004.37	4234691.25	1.26E-02	1.13E-02	2.14E-03	1.80E-03	1.02E-02	8.25E-03	1.67E-03	1.60E-03	1.25E-03	8.17E-04
2168	563003.57	4234700.57	1.22E-02	1.09E-02	2.07E-03	1.75E-03	9.87E-03	8.00E-03	1.62E-03	1.55E-03	1.21E-03	7.92E-04
2169	563002.77	4234709.89	1.18E-02	1.05E-02	2.01E-03	1.69E-03	9.55E-03	7.74E-03	1.56E-03	1.50E-03	1.17E-03	7.66E-04
2170	563001.98	4234719.2	1.14E-02	1.02E-02	1.94E-03	1.63E-03	9.21E-03	7.47E-03	1.51E-03	1.45E-03	1.13E-03	7.40E-04
2171	563001.18	4234728.52	1.10E-02	9.81E-03	1.87E-03	1.57E-03	8.88E-03	7.20E-03	1.45E-03	1.40E-03	1.09E-03	7.13E-04
2172	563000.38	4234737.84	1.06E-02	9.44E-03	1.80E-03	1.51E-03	8.54E-03	6.92E-03	1.40E-03	1.34E-03	1.04E-03	6.86E-04
2173	563019.72	4234587.01	1.37E-02	1.22E-02	2.32E-03	1.96E-03	1.10E-02	8.95E-03	1.81E-03	1.74E-03	1.35E-03	8.87E-04
2174	563027.62	4234571.74	1.41E-02	1.26E-02	2.39E-03	2.01E-03	1.14E-02	9.22E-03	1.86E-03	1.79E-03	1.39E-03	9.13E-04
2175	563039.75	4234561.49	1.51E-02	1.34E-02	2.56E-03	2.15E-03	1.22E-02	9.86E-03	1.99E-03	1.91E-03	1.49E-03	9.76E-04
2176	563056.12	4234556.25	1.65E-02	1.48E-02	2.81E-03	2.36E-03	1.34E-02	1.08E-02	2.19E-03	2.10E-03	1.63E-03	1.07E-03
2177	563072.49	4234551.01	1.76E-02	1.57E-02	2.98E-03	2.51E-03	1.42E-02	1.15E-02	2.32E-03	2.23E-03	1.74E-03	1.14E-03
2178	562999.19	4234634.49	1.22E-02	1.09E-02	2.08E-03	1.75E-03	9.88E-03	8.00E-03	1.62E-03	1.55E-03	1.21E-03	7.93E-04
2179	562998.39	4234643.81	1.22E-02	1.09E-02	2.08E-03	1.75E-03	9.89E-03	8.01E-03	1.62E-03	1.55E-03	1.21E-03	7.94E-04
2180	562997.6	4234653.13	1.22E-02	1.09E-02	2.07E-03	1.75E-03	9.87E-03	8.00E-03	1.62E-03	1.55E-03	1.21E-03	7.92E-04
2181	562996.8	4234662.44	1.21E-02	1.08E-02	2.06E-03	1.74E-03	9.80E-03	7.94E-03	1.60E-03	1.54E-03	1.20E-03	7.87E-04
2182	562996	4234671.76	1.20E-02	1.07E-02	2.03E-03	1.71E-03	9.65E-03	7.82E-03	1.58E-03	1.52E-03	1.18E-03	7.75E-04
2183	562995.2	4234681.08	1.17E-02	1.04E-02	1.99E-03	1.67E-03	9.45E-03	7.66E-03	1.55E-03	1.48E-03	1.16E-03	7.58E-04
2184	562994.41	4234690.4	1.14E-02	1.02E-02	1.94E-03	1.63E-03	9.23E-03	7.48E-03	1.51E-03	1.45E-03	1.13E-03	7.41E-04
2185	562993.61	4234699.71	1.11E-02	9.92E-03	1.89E-03	1.59E-03	8.98E-03	7.28E-03	1.47E-03	1.41E-03	1.10E-03	7.21E-04
2186	562992.81	4234709.03	1.08E-02	9.61E-03	1.83E-03	1.54E-03	8.70E-03	7.05E-03	1.42E-03	1.37E-03	1.06E-03	6.98E-04
2187	562992.01	4234718.35	1.04E-02	9.29E-03	1.77E-03	1.49E-03	8.41E-03	6.81E-03	1.38E-03	1.32E-03	1.03E-03	6.75E-04
2188	562991.22	4234727.67	1.00E-02	8.96E-03	1.71E-03	1.44E-03	8.11E-03	6.58E-03	1.33E-03	1.28E-03	9.92E-04	6.51E-04
2189	562990.42	4234736.98	9.69E-03	8.64E-03	1.64E-03	1.39E-03	7.82E-03	6.34E-03	1.28E-03	1.23E-03	9.57E-04	6.28E-04
2190	563009.52	4234586.63	1.26E-02	1.12E-02	2.13E-03	1.79E-03	1.01E-02	8.21E-03	1.66E-03	1.59E-03	1.24E-03	8.13E-04
2191	563017.32	4234571.55	1.30E-02	1.16E-02	2.20E-03	1.85E-03	1.05E-02	8.49E-03	1.71E-03	1.65E-03	1.28E-03	8.40E-04
2192	563033.2	4234553.88	1.41E-02	1.26E-02	2.39E-03	2.02E-03	1.14E-02	9.22E-03	1.86E-03	1.79E-03	1.39E-03	9.13E-04
2193	563049.36	4234548.71	1.55E-02	1.38E-02	2.62E-03	2.21E-03	1.25E-02	1.01E-02	2.05E-03	1.96E-03	1.53E-03	1.00E-03
2194	563065.53	4234543.54	1.65E-02	1.47E-02	2.80E-03	2.36E-03	1.33E-02	1.08E-02	2.18E-03	2.09E-03	1.63E-03	1.07E-03
2195	563081.7	4234538.36	1.69E-02	1.51E-02	2.87E-03	2.42E-03	1.37E-02	1.11E-02	2.24E-03	2.15E-03	1.67E-03	1.10E-03
2196	562989.23	4234633.64	1.12E-02	9.96E-03	1.89E-03	1.60E-03	9.02E-03	7.31E-03	1.48E-03	1.42E-03	1.10E-03	7.24E-04
2197	562988.43	4234642.96	1.11E-02	9.92E-03	1.89E-03	1.59E-03	8.98E-03	7.28E-03	1.47E-03	1.41E-03	1.10E-03	7.21E-04
2198	562987.63	4234652.27	1.10E-02	9.86E-03	1.87E-03	1.58E-03	8.92E-03	7.23E-03	1.46E-03	1.40E-03	1.09E-03	7.16E-04
2199	562986.83	4234661.59	1.09E-02	9.74E-03	1.85E-03	1.56E-03	8.82E-03	7.15E-03	1.44E-03	1.39E-03	1.08E-03	7.08E-04
2200	562986.04	4234670.91	1.08E-02	9.60E-03	1.83E-03	1.54E-03	8.69E-03	7.04E-03	1.42E-03	1.37E-03	1.06E-03	6.97E-04
2201	562985.24	4234680.23	1.06E-02	9.45E-03	1.80E-03	1.51E-03	8.55E-03	6.93E-03	1.40E-03	1.34E-03	1.05E-03	6.86E-04
2202	562984.44	4234689.54	1.04E-02	9.28E-03	1.77E-03	1.49E-03	8.40E-03	6.81E-03	1.38E-03	1.32E-03	1.03E-03	6.75E-04
2203	562983.64	4234698.86	1.02E-02	9.08E-03	1.73E-03	1.46E-03	8.22E-03	6.66E-03	1.35E-03	1.29E-03	1.01E-03	6.60E-04
2204	562982.85	4234708.18	9.88E-03	8.81E-03	1.68E-03	1.41E-03	7.97E-03	6.46E-03	1.31E-03	1.25E-03	9.75E-04	6.40E-04

2205	562982.05	4234717.5	9.56E-03	8.53E-03	1.62E-03	1.37E-03	7.72E-03	6.26E-03	1.26E-03	1.21E-03	9.45E-04	6.20E-04
2206	562981.25	4234726.81	9.25E-03	8.25E-03	1.57E-03	1.32E-03	7.47E-03	6.05E-03	1.22E-03	1.17E-03	9.14E-04	5.99E-04
2207	562980.45	4234736.13	8.93E-03	7.97E-03	1.52E-03	1.28E-03	7.21E-03	5.85E-03	1.18E-03	1.13E-03	8.82E-04	5.79E-04
2208	562991.15	4234581.91	1.07E-02	9.54E-03	1.81E-03	1.53E-03	8.63E-03	7.00E-03	1.41E-03	1.36E-03	1.06E-03	6.93E-04
2209	562995.36	4234573.76	1.09E-02	9.73E-03	1.85E-03	1.56E-03	8.81E-03	7.14E-03	1.44E-03	1.38E-03	1.08E-03	7.07E-04
2210	562999.57	4234565.62	1.11E-02	9.93E-03	1.89E-03	1.59E-03	8.98E-03	7.28E-03	1.47E-03	1.41E-03	1.10E-03	7.21E-04
2211	563003.78	4234557.48	1.14E-02	1.01E-02	1.93E-03	1.62E-03	9.16E-03	7.43E-03	1.50E-03	1.44E-03	1.12E-03	7.36E-04
2212	563007.99	4234549.34	1.16E-02	1.03E-02	1.96E-03	1.66E-03	9.34E-03	7.57E-03	1.53E-03	1.47E-03	1.14E-03	7.50E-04
2213	563020.93	4234538.4	1.25E-02	1.11E-02	2.12E-03	1.79E-03	1.01E-02	8.17E-03	1.65E-03	1.58E-03	1.23E-03	8.09E-04
2214	563029.66	4234535.61	1.32E-02	1.18E-02	2.24E-03	1.88E-03	1.06E-02	8.62E-03	1.74E-03	1.67E-03	1.30E-03	8.54E-04
2215	563038.39	4234532.81	1.38E-02	1.23E-02	2.34E-03	1.98E-03	1.12E-02	9.04E-03	1.83E-03	1.75E-03	1.36E-03	8.95E-04
2216	563047.12	4234530.02	1.44E-02	1.28E-02	2.44E-03	2.06E-03	1.16E-02	9.40E-03	1.90E-03	1.82E-03	1.42E-03	9.31E-04
2217	563055.85	4234527.23	1.48E-02	1.32E-02	2.51E-03	2.12E-03	1.20E-02	9.70E-03	1.96E-03	1.88E-03	1.46E-03	9.60E-04
2218	563064.58	4234524.43	1.51E-02	1.35E-02	2.57E-03	2.16E-03	1.22E-02	9.89E-03	2.00E-03	1.92E-03	1.49E-03	9.80E-04
2219	563073.31	4234521.64	1.53E-02	1.36E-02	2.59E-03	2.18E-03	1.23E-02	9.98E-03	2.02E-03	1.94E-03	1.51E-03	9.89E-04
2220	563082.04	4234518.84	1.52E-02	1.36E-02	2.58E-03	2.17E-03	1.23E-02	9.95E-03	2.01E-03	1.93E-03	1.50E-03	9.85E-04
2221	563090.77	4234516.05	1.50E-02	1.34E-02	2.54E-03	2.14E-03	1.21E-02	9.80E-03	1.98E-03	1.90E-03	1.48E-03	9.71E-04
2222	562969.3	4234631.93	9.41E-03	8.40E-03	1.60E-03	1.35E-03	7.60E-03	6.16E-03	1.24E-03	1.19E-03	9.30E-04	6.10E-04
2223	562968.5	4234641.25	9.34E-03	8.33E-03	1.58E-03	1.34E-03	7.54E-03	6.11E-03	1.23E-03	1.18E-03	9.22E-04	6.05E-04
2224	562967.7	4234650.57	9.22E-03	8.23E-03	1.57E-03	1.32E-03	7.45E-03	6.04E-03	1.22E-03	1.17E-03	9.11E-04	5.98E-04
2225	562966.91	4234659.89	9.08E-03	8.10E-03	1.54E-03	1.30E-03	7.33E-03	5.94E-03	1.20E-03	1.15E-03	8.97E-04	5.89E-04
2226	562966.11	4234669.2	8.94E-03	7.98E-03	1.52E-03	1.28E-03	7.22E-03	5.85E-03	1.18E-03	1.13E-03	8.83E-04	5.80E-04
2227	562965.31	4234678.52	8.84E-03	7.89E-03	1.50E-03	1.26E-03	7.14E-03	5.79E-03	1.17E-03	1.12E-03	8.73E-04	5.73E-04
2228	562964.51	4234687.84	8.71E-03	7.77E-03	1.48E-03	1.25E-03	7.04E-03	5.70E-03	1.15E-03	1.11E-03	8.61E-04	5.65E-04
2229	562963.72	4234697.16	8.56E-03	7.64E-03	1.45E-03	1.22E-03	6.91E-03	5.60E-03	1.13E-03	1.09E-03	8.45E-04	5.55E-04
2230	562962.92	4234706.47	8.32E-03	7.42E-03	1.41E-03	1.19E-03	6.72E-03	5.45E-03	1.10E-03	1.06E-03	8.22E-04	5.39E-04
2231	562962.12	4234715.79	8.08E-03	7.21E-03	1.37E-03	1.16E-03	6.52E-03	5.29E-03	1.07E-03	1.03E-03	7.98E-04	5.24E-04
2232	562961.32	4234725.11	7.83E-03	6.99E-03	1.33E-03	1.12E-03	6.32E-03	5.12E-03	1.04E-03	9.94E-04	7.73E-04	5.07E-04
2233	562960.53	4234734.43	7.58E-03	6.76E-03	1.29E-03	1.08E-03	6.12E-03	4.96E-03	1.00E-03	9.61E-04	7.48E-04	4.91E-04
2234	562966.54	4234589.25	8.89E-03	7.93E-03	1.51E-03	1.27E-03	7.18E-03	5.82E-03	1.18E-03	1.13E-03	8.78E-04	5.76E-04
2235	563007.78	4234523.2	1.11E-02	9.90E-03	1.88E-03	1.59E-03	8.96E-03	7.26E-03	1.47E-03	1.41E-03	1.10E-03	7.19E-04
2236	563024.76	4234517.77	1.23E-02	1.09E-02	2.08E-03	1.75E-03	9.90E-03	8.02E-03	1.62E-03	1.56E-03	1.21E-03	7.94E-04
2237	563033.24	4234515.05	1.28E-02	1.14E-02	2.17E-03	1.83E-03	1.03E-02	8.36E-03	1.69E-03	1.62E-03	1.26E-03	8.28E-04
2238	563050.22	4234509.62	1.36E-02	1.21E-02	2.30E-03	1.94E-03	1.09E-02	8.87E-03	1.79E-03	1.72E-03	1.34E-03	8.78E-04
2239	563067.19	4234504.19	1.39E-02	1.24E-02	2.35E-03	1.98E-03	1.12E-02	9.06E-03	1.83E-03	1.76E-03	1.37E-03	8.98E-04
2240	563084.17	4234498.75	1.36E-02	1.21E-02	2.31E-03	1.94E-03	1.10E-02	8.89E-03	1.80E-03	1.72E-03	1.34E-03	8.80E-04
2241	562949.37	4234630.23	8.07E-03	7.20E-03	1.37E-03	1.15E-03	6.51E-03	5.28E-03	1.07E-03	1.02E-03	7.97E-04	5.23E-04
2242	562948.58	4234639.55	8.01E-03	7.15E-03	1.36E-03	1.15E-03	6.47E-03	5.24E-03	1.06E-03	1.02E-03	7.91E-04	5.19E-04
2243	562947.78	4234648.86	7.93E-03	7.08E-03	1.35E-03	1.13E-03	6.40E-03	5.19E-03	1.05E-03	1.01E-03	7.83E-04	5.14E-04
2244	562946.98	4234658.18	7.83E-03	6.98E-03	1.33E-03	1.12E-03	6.32E-03	5.12E-03	1.04E-03	9.93E-04	7.73E-04	5.07E-04
2245	562946.18	4234667.5	7.71E-03	6.88E-03	1.31E-03	1.10E-03	6.22E-03	5.04E-03	1.02E-03	9.78E-04	7.61E-04	5.00E-04
2246	562945.39	4234676.82	7.58E-03	6.76E-03	1.29E-03	1.08E-03	6.12E-03	4.96E-03	1.00E-03	9.61E-04	7.48E-04	4.91E-04
2247	562944.59	4234686.13	7.42E-03	6.62E-03	1.26E-03	1.06E-03	5.99E-03	4.86E-03	9.82E-04	9.42E-04	7.33E-04	4.81E-04
2248	562943.79	4234695.45	7.26E-03	6.47E-03	1.23E-03	1.04E-03	5.86E-03	4.75E-03	9.60E-04	9.21E-04	7.17E-04	4.70E-04
2249	562942.99	4234704.77	7.09E-03	6.32E-03	1.20E-03	1.01E-03	5.72E-03	4.64E-03	9.37E-04	8.99E-04	7.00E-04	4.59E-04
2250	562942.2	4234714.09	6.91E-03	6.16E-03	1.17E-03	9.88E-04	5.58E-03	4.52E-03	9.14E-04	8.77E-04	6.82E-04	4.48E-04
2251	562941.4	4234723.4	6.72E-03	6.00E-03	1.14E-03	9.61E-04	5.43E-03	4.40E-03	8.89E-04	8.53E-04	6.64E-04	4.36E-04
2252	562940.6	4234732.72	6.53E-03	5.82E-03	1.11E-03	9.33E-04	5.27E-03	4.27E-03	8.63E-04	8.28E-04	6.45E-04	4.23E-04
2253	562950.29	4234580.43	7.78E-03	6.94E-03	1.32E-03	1.11E-03	6.28E-03	5.09E-03	1.03E-03	9.88E-04	7.69E-04	5.04E-04
2254	562958.31	4234564.93	8.08E-03	7.21E-03	1.37E-03	1.16E-03	6.52E-03	5.29E-03	1.07E-03	1.02E-03	7.98E-04	5.23E-04
2255	562966.33	4234549.42	8.41E-03	7.50E-03	1.43E-03	1.20E-03	6.79E-03	5.50E-03	1.11E-03	1.07E-03	8.30E-04	5.45E-04
2256	562994.7	4234507.98	9.93E-03	8.86E-03	1.68E-03	1.42E-03	8.01E-03	6.50E-03	1.31E-03	1.26E-03	9.80E-04	6.43E-04
2257	563011.33	4234502.66	1.10E-02	9.78E-03	1.86E-03	1.57E-03	8.85E-03	7.17E-03	1.45E-03	1.39E-03	1.08E-03	7.10E-04
2258	563027.96	4234497.34	1.18E-02	1.06E-02	2.01E-03	1.69E-03	9.57E-03	7.75E-03	1.57E-03	1.50E-03	1.17E-03	7.68E-04
2259	563044.58	4234492.02	1.25E-02	1.11E-02	2.11E-03	1.78E-03	1.01E-02	8.15E-03	1.65E-03	1.58E-03	1.23E-03	8.07E-04
2260	563061.21	4234486.69	1.27E-02	1.13E-02	2.15E-03	1.81E-03	1.02E-02	8.28E-03	1.67E-03	1.61E-03	1.25E-03	8.20E-04
2261	563077.84	4234481.37	1.24E-02	1.10E-02	2.10E-03	1.77E-03	9.98E-03	8.09E-03	1.63E-03	1.57E-03	1.22E-03	8.01E-04
2262	562929.45	4234628.52	7.03E-03	6.27E-03	1.19E-03	1.00E-03	5.67E-03	4.60E-03	9.29E-04	8.92E-04	6.94E-04	4.55E-04
2263	562928.65	4234637.84	6.99E-03	6.24E-03	1.19E-03	1.00E-03	5.65E-03	4.58E-03	9.25E-04	8.87E-04	6.91E-04	4.53E-04
2264	562927.85	4234647.16	6.94E-03	6.19E-03	1.18E-03	9.92E-04	5.60E-03	4.54E-03	9.18E-04	8.80E-04	6.85E-04	4.50E-04
2265	562927.05	4234656.48	6.87E-03	6.13E-03	1.17E-03	9.82E-04	5.54E-03	4.49E-03	9.08E-04	8.71E-04	6.78E-04	4.45E-04
2266	562926.26	4234665.79	6.78E-03	6.05E-03	1.15E-03	9.70E-04	5.47E-03	4.44E-03	8.97E-04	8.60E-04	6.70E-04	4.39E-04
2267	562925.46	4234675.11	6.68E-03	5.96E-03	1.13E-03	9.55E-04	5.39E-03	4.37E-03	8.83E-04	8.47E-04	6.60E-04	4.33E-04
2268	562924.66	4234684.43	6.57E-03	5.86E-03	1.11E-03	9.39E-04	5.30E-03	4.30E-03	8.68E-04	8.33E-04	6.48E-04	4.25E-04
2269	562923.86	4234693.75	6.44E-03	5.75E-03	1.09E-03	9.21E-04	5.20E-03	4.21E-03	8.52E-04	8.17E-04	6.36E-04	4.17E-04
2270	562923.07	4234703.06	6.31E-03	5.63E-03	1.07E-03	9.02E-04	5.09E-03	4.13E-03	8.34E-04	8.00E-04	6.23E-04	4.09E-04
2271	562922.27	4234712.38	6.16E-03	5.50E-03	1.05E-03	8.81E-04	4.98E-03	4.03E-03	8.15E-04	7.82E-04	6.09E-04	3.99E-04
2272	562921.47	4234721.7	6.01E-03	5.36E-03	1.02E-03	8.59E-04	4.85E-03	3.93E-03	7.94E-04	7.62E-04	5.93E-04	3.89E-04
2273	562920.67	4234731.02	5.84E-03	5.21E-03	9.90E-04	8.35E-04	4.71E-03	3.82E-03	7.72E-04	7.41E-04	5.76E-04	3.78E-04

2274	562914.53	4234609.36	6.33E-03	5.65E-03	1.07E-03	9.06E-04	5.11E-03	4.14E-03	8.37E-04	8.03E-04	6.25E-04	4.10E-04
2275	562918.74	4234601.22	6.45E-03	5.75E-03	1.09E-03	9.22E-04	5.21E-03	4.22E-03	8.53E-04	8.18E-04	6.37E-04	4.18E-04
2276	562922.95	4234593.07	6.56E-03	5.86E-03	1.11E-03	9.39E-04	5.30E-03	4.30E-03	8.68E-04	8.33E-04	6.48E-04	4.25E-04
2277	562927.16	4234584.93	6.68E-03	5.96E-03	1.13E-03	9.55E-04	5.39E-03	4.37E-03	8.83E-04	8.47E-04	6.59E-04	4.33E-04
2278	562931.37	4234576.79	6.79E-03	6.06E-03	1.15E-03	9.71E-04	5.48E-03	4.44E-03	8.98E-04	8.62E-04	6.71E-04	4.40E-04
2279	562935.58	4234568.65	6.91E-03	6.16E-03	1.17E-03	9.88E-04	5.58E-03	4.52E-03	9.14E-04	8.77E-04	6.82E-04	4.48E-04
2280	562939.79	4234560.51	7.03E-03	6.27E-03	1.19E-03	1.01E-03	5.68E-03	4.60E-03	9.30E-04	8.92E-04	6.94E-04	4.56E-04
2281	562944	4234552.36	7.17E-03	6.39E-03	1.22E-03	1.02E-03	5.79E-03	4.69E-03	9.48E-04	9.09E-04	7.08E-04	4.64E-04
2282	562948.21	4234544.22	7.32E-03	6.53E-03	1.24E-03	1.05E-03	5.91E-03	4.79E-03	9.67E-04	9.28E-04	7.22E-04	4.74E-04
2283	562952.42	4234536.08	7.48E-03	6.67E-03	1.27E-03	1.07E-03	6.04E-03	4.90E-03	9.89E-04	9.49E-04	7.39E-04	4.85E-04
2284	562956.63	4234527.94	7.66E-03	6.84E-03	1.30E-03	1.10E-03	6.19E-03	5.01E-03	1.01E-03	9.72E-04	7.57E-04	4.97E-04
2285	562960.84	4234519.8	7.86E-03	7.01E-03	1.33E-03	1.12E-03	6.35E-03	5.14E-03	1.04E-03	9.97E-04	7.76E-04	5.09E-04
2286	562965.05	4234511.65	8.05E-03	7.18E-03	1.37E-03	1.15E-03	6.50E-03	5.27E-03	1.06E-03	1.02E-03	7.95E-04	5.22E-04
2287	562969.26	4234503.51	8.25E-03	7.36E-03	1.40E-03	1.18E-03	6.66E-03	5.40E-03	1.09E-03	1.05E-03	8.15E-04	5.35E-04
2288	562999.66	4234486.99	9.94E-03	8.87E-03	1.69E-03	1.42E-03	8.03E-03	6.51E-03	1.32E-03	1.26E-03	9.82E-04	6.45E-04
2289	563008.39	4234484.19	1.04E-02	9.25E-03	1.76E-03	1.48E-03	8.38E-03	6.79E-03	1.37E-03	1.32E-03	1.02E-03	6.72E-04
2290	563017.12	4234481.4	1.08E-02	9.60E-03	1.83E-03	1.54E-03	8.69E-03	7.05E-03	1.42E-03	1.37E-03	1.06E-03	6.98E-04
2291	563025.85	4234478.6	1.11E-02	9.91E-03	1.89E-03	1.59E-03	8.97E-03	7.27E-03	1.47E-03	1.41E-03	1.10E-03	7.20E-04
2292	563034.58	4234475.81	1.14E-02	1.02E-02	1.93E-03	1.63E-03	9.20E-03	7.46E-03	1.51E-03	1.45E-03	1.13E-03	7.39E-04
2293	563043.31	4234473.02	1.16E-02	1.03E-02	1.96E-03	1.65E-03	9.34E-03	7.57E-03	1.53E-03	1.47E-03	1.14E-03	7.49E-04
2294	563052.04	4234470.22	1.16E-02	1.04E-02	1.97E-03	1.66E-03	9.39E-03	7.61E-03	1.54E-03	1.47E-03	1.15E-03	7.53E-04
2295	563060.78	4234467.43	1.16E-02	1.03E-02	1.96E-03	1.66E-03	9.35E-03	7.58E-03	1.53E-03	1.47E-03	1.14E-03	7.50E-04
2296	563069.51	4234464.63	1.14E-02	1.01E-02	1.93E-03	1.63E-03	9.18E-03	7.44E-03	1.50E-03	1.44E-03	1.12E-03	7.37E-04
2297	563078.24	4234461.84	1.10E-02	9.83E-03	1.87E-03	1.58E-03	8.90E-03	7.21E-03	1.46E-03	1.40E-03	1.09E-03	7.14E-04
2298	563086.97	4234459.04	1.06E-02	9.42E-03	1.79E-03	1.51E-03	8.53E-03	6.91E-03	1.40E-03	1.34E-03	1.04E-03	6.85E-04
2299	563095.7	4234456.25	1.00E-02	8.94E-03	1.70E-03	1.43E-03	8.10E-03	6.56E-03	1.33E-03	1.27E-03	9.90E-04	6.50E-04
2300	562910.32	4234617.5	6.21E-03	5.54E-03	1.05E-03	8.88E-04	5.02E-03	4.07E-03	8.22E-04	7.88E-04	6.14E-04	4.03E-04
2301	562909.52	4234626.82	6.21E-03	5.54E-03	1.05E-03	8.88E-04	5.02E-03	4.06E-03	8.21E-04	7.88E-04	6.13E-04	4.03E-04
2302	562908.72	4234636.13	6.20E-03	5.53E-03	1.05E-03	8.86E-04	5.00E-03	4.05E-03	8.19E-04	7.86E-04	6.12E-04	4.01E-04
2303	562907.92	4234645.45	6.16E-03	5.50E-03	1.05E-03	8.81E-04	4.98E-03	4.03E-03	8.15E-04	7.82E-04	6.09E-04	3.99E-04
2304	562907.13	4234654.77	6.11E-03	5.45E-03	1.04E-03	8.74E-04	4.94E-03	4.00E-03	8.09E-04	7.76E-04	6.04E-04	3.96E-04
2305	562906.33	4234664.09	6.05E-03	5.40E-03	1.03E-03	8.66E-04	4.89E-03	3.96E-03	8.00E-04	7.68E-04	5.98E-04	3.92E-04
2306	562905.53	4234673.4	5.98E-03	5.33E-03	1.01E-03	8.55E-04	4.83E-03	3.91E-03	7.90E-04	7.58E-04	5.90E-04	3.87E-04
2307	562904.73	4234682.72	5.89E-03	5.25E-03	9.99E-04	8.42E-04	4.76E-03	3.85E-03	7.79E-04	7.47E-04	5.82E-04	3.82E-04
2308	562903.94	4234692.04	5.79E-03	5.17E-03	9.83E-04	8.28E-04	4.68E-03	3.79E-03	7.66E-04	7.35E-04	5.72E-04	3.75E-04
2309	562903.14	4234701.36	5.68E-03	5.07E-03	9.64E-04	8.12E-04	4.59E-03	3.72E-03	7.51E-04	7.21E-04	5.61E-04	3.68E-04
2310	562902.34	4234710.67	5.56E-03	4.96E-03	9.43E-04	7.95E-04	4.49E-03	3.64E-03	7.35E-04	7.05E-04	5.49E-04	3.60E-04
2311	562901.54	4234719.99	5.42E-03	4.84E-03	9.20E-04	7.75E-04	4.38E-03	3.55E-03	7.17E-04	6.88E-04	5.35E-04	3.51E-04
2312	562900.75	4234729.31	5.27E-03	4.70E-03	8.94E-04	7.54E-04	4.25E-03	3.45E-03	6.97E-04	6.69E-04	5.20E-04	3.41E-04
2313	562894.52	4234607.81	5.64E-03	5.03E-03	9.57E-04	8.07E-04	4.55E-03	3.69E-03	7.46E-04	7.16E-04	5.57E-04	3.65E-04
2314	562898.64	4234599.83	5.72E-03	5.10E-03	9.71E-04	8.18E-04	4.62E-03	3.74E-03	7.57E-04	7.26E-04	5.65E-04	3.71E-04
2315	562902.77	4234591.85	5.80E-03	5.18E-03	9.84E-04	8.30E-04	4.68E-03	3.80E-03	7.67E-04	7.36E-04	5.73E-04	3.76E-04
2316	562906.9	4234583.86	5.88E-03	5.25E-03	9.98E-04	8.41E-04	4.75E-03	3.85E-03	7.78E-04	7.46E-04	5.81E-04	3.81E-04
2317	562911.03	4234575.88	5.96E-03	5.32E-03	1.01E-03	8.53E-04	4.81E-03	3.90E-03	7.88E-04	7.56E-04	5.89E-04	3.86E-04
2318	562915.16	4234567.9	6.04E-03	5.39E-03	1.03E-03	8.64E-04	4.88E-03	3.96E-03	7.99E-04	7.67E-04	5.97E-04	3.92E-04
2319	562919.28	4234559.92	6.13E-03	5.47E-03	1.04E-03	8.77E-04	4.95E-03	4.01E-03	8.11E-04	7.78E-04	6.06E-04	3.97E-04
2320	562923.41	4234551.94	6.23E-03	5.56E-03	1.06E-03	8.91E-04	5.03E-03	4.08E-03	8.24E-04	7.90E-04	6.15E-04	4.04E-04
2321	562927.54	4234543.95	6.34E-03	5.65E-03	1.08E-03	9.06E-04	5.12E-03	4.15E-03	8.38E-04	8.04E-04	6.26E-04	4.11E-04
2322	562931.67	4234535.97	6.46E-03	5.76E-03	1.10E-03	9.24E-04	5.22E-03	4.23E-03	8.54E-04	8.20E-04	6.38E-04	4.19E-04
2323	562935.8	4234527.99	6.60E-03	5.89E-03	1.12E-03	9.44E-04	5.33E-03	4.32E-03	8.73E-04	8.37E-04	6.52E-04	4.28E-04
2324	562939.92	4234520.01	6.76E-03	6.03E-03	1.15E-03	9.66E-04	5.45E-03	4.42E-03	8.93E-04	8.57E-04	6.67E-04	4.38E-04
2325	562944.05	4234512.02	6.90E-03	6.15E-03	1.17E-03	9.86E-04	5.57E-03	4.51E-03	9.12E-04	8.75E-04	6.81E-04	4.47E-04
2326	562948.18	4234504.04	7.03E-03	6.27E-03	1.19E-03	1.01E-03	5.68E-03	4.60E-03	9.30E-04	8.92E-04	6.95E-04	4.56E-04
2327	562952.31	4234496.06	7.19E-03	6.42E-03	1.22E-03	1.03E-03	5.81E-03	4.71E-03	9.51E-04	9.13E-04	7.10E-04	4.66E-04
2328	562956.44	4234488.08	7.37E-03	6.57E-03	1.25E-03	1.05E-03	5.95E-03	4.82E-03	9.75E-04	9.35E-04	7.28E-04	4.78E-04
2329	562969.12	4234477.35	8.02E-03	7.15E-03	1.36E-03	1.15E-03	6.47E-03	5.25E-03	1.06E-03	1.02E-03	7.92E-04	5.20E-04
2330	562994.8	4234469.14	9.23E-03	8.23E-03	1.57E-03	1.32E-03	7.45E-03	6.04E-03	1.22E-03	1.17E-03	9.11E-04	5.98E-04
2331	563011.92	4234463.66	9.93E-03	8.85E-03	1.68E-03	1.42E-03	8.01E-03	6.50E-03	1.31E-03	1.26E-03	9.80E-04	6.43E-04
2332	563029.04	4234458.18	1.05E-02	9.39E-03	1.79E-03	1.51E-03	8.50E-03	6.89E-03	1.39E-03	1.34E-03	1.04E-03	6.82E-04
2333	563046.15	4234452.7	1.07E-02	9.53E-03	1.81E-03	1.53E-03	8.63E-03	6.99E-03	1.41E-03	1.36E-03	1.06E-03	6.93E-04
2334	563063.27	4234447.22	1.04E-02	9.30E-03	1.77E-03	1.49E-03	8.42E-03	6.82E-03	1.38E-03	1.32E-03	1.03E-03	6.76E-04
2335	563080.39	4234441.74	9.75E-03	8.69E-03	1.65E-03	1.39E-03	7.87E-03	6.38E-03	1.29E-03	1.24E-03	9.62E-04	6.32E-04
2336	563097.51	4234436.26	8.87E-03	7.92E-03	1.51E-03	1.27E-03	7.17E-03	5.81E-03	1.17E-03	1.13E-03	8.76E-04	5.75E-04
2337	562890.39	4234615.79	5.55E-03	4.96E-03	9.43E-04	7.94E-04	4.48E-03	3.63E-03	7.35E-04	7.05E-04	5.49E-04	3.60E-04
2338	562889.59	4234625.11	5.56E-03	4.96E-03	9.44E-04	7.96E-04	4.49E-03	3.64E-03	7.36E-04	7.06E-04	5.50E-04	3.61E-04
2339	562888.79	4234634.43	5.56E-03	4.96E-03	9.44E-04	7.95E-04	4.49E-03	3.64E-03	7.35E-04	7.06E-04	5.49E-04	3.60E-04
2340	562888	4234643.75	5.54E-03	4.95E-03	9.41E-04	7.93E-04	4.48E-03	3.63E-03	7.33E-04	7.03E-04	5.47E-04	3.59E-04
2341	562887.2	4234653.06	5.51E-03	4.92E-03	9.35E-04	7.88E-04	4.45E-03	3.61E-03	7.29E-04	6.99E-04	5.44E-04	3.57E-04
2342	562886.4	4234662.38	5.47E-03	4.88E-03	9.28E-04	7.82E-04	4.41E-03	3.58E-03	7.23E-04	6.94E-04	5.40E-04	3.54E-04

2343	562885.6	4234671.7	5.41E-03	4.83E-03	9.18E-04	7.74E-04	4.37E-03	3.54E-03	7.15E-04	6.86E-04	5.34E-04	3.51E-04
2344	562884.81	4234681.02	5.34E-03	4.76E-03	9.06E-04	7.64E-04	4.31E-03	3.49E-03	7.06E-04	6.78E-04	5.27E-04	3.46E-04
2345	562884.01	4234690.33	5.26E-03	4.69E-03	8.92E-04	7.52E-04	4.25E-03	3.44E-03	6.95E-04	6.67E-04	5.19E-04	3.41E-04
2346	562883.21	4234699.65	5.16E-03	4.60E-03	8.76E-04	7.38E-04	4.17E-03	3.38E-03	6.82E-04	6.55E-04	5.10E-04	3.34E-04
2347	562882.41	4234708.97	5.04E-03	4.50E-03	8.56E-04	7.21E-04	4.07E-03	3.30E-03	6.67E-04	6.40E-04	4.98E-04	3.27E-04
2348	562881.62	4234718.29	4.90E-03	4.37E-03	8.32E-04	7.01E-04	3.96E-03	3.21E-03	6.48E-04	6.22E-04	4.84E-04	3.18E-04
2349	562880.82	4234727.6	4.74E-03	4.23E-03	8.04E-04	6.78E-04	3.83E-03	3.10E-03	6.27E-04	6.02E-04	4.68E-04	3.07E-04
2350	562874.75	4234605.8	5.09E-03	4.54E-03	8.63E-04	7.27E-04	4.11E-03	3.33E-03	6.73E-04	6.45E-04	5.02E-04	3.30E-04
2351	562879.04	4234597.5	5.15E-03	4.59E-03	8.73E-04	7.36E-04	4.15E-03	3.37E-03	6.80E-04	6.53E-04	5.08E-04	3.33E-04
2352	562883.33	4234589.21	5.20E-03	4.64E-03	8.83E-04	7.44E-04	4.20E-03	3.40E-03	6.88E-04	6.60E-04	5.14E-04	3.37E-04
2353	562887.62	4234580.92	5.26E-03	4.69E-03	8.92E-04	7.52E-04	4.25E-03	3.44E-03	6.95E-04	6.67E-04	5.19E-04	3.41E-04
2354	562891.9	4234572.62	5.32E-03	4.74E-03	9.02E-04	7.60E-04	4.29E-03	3.48E-03	7.03E-04	6.75E-04	5.25E-04	3.45E-04
2355	562896.19	4234564.33	5.38E-03	4.80E-03	9.12E-04	7.69E-04	4.34E-03	3.52E-03	7.11E-04	6.82E-04	5.31E-04	3.48E-04
2356	562900.48	4234556.04	5.44E-03	4.85E-03	9.23E-04	7.78E-04	4.39E-03	3.56E-03	7.20E-04	6.90E-04	5.37E-04	3.53E-04
2357	562904.77	4234547.75	5.51E-03	4.92E-03	9.36E-04	7.89E-04	4.45E-03	3.61E-03	7.29E-04	7.00E-04	5.45E-04	3.57E-04
2358	562909.06	4234539.45	5.60E-03	4.99E-03	9.50E-04	8.01E-04	4.52E-03	3.66E-03	7.40E-04	7.10E-04	5.53E-04	3.63E-04
2359	562913.35	4234531.16	5.70E-03	5.08E-03	9.66E-04	8.15E-04	4.60E-03	3.73E-03	7.53E-04	7.23E-04	5.63E-04	3.69E-04
2360	562917.64	4234522.87	5.81E-03	5.18E-03	9.86E-04	8.31E-04	4.69E-03	3.80E-03	7.69E-04	7.37E-04	5.74E-04	3.77E-04
2361	562921.92	4234514.57	5.93E-03	5.29E-03	1.01E-03	8.49E-04	4.79E-03	3.88E-03	7.85E-04	7.53E-04	5.86E-04	3.85E-04
2362	562926.21	4234506.28	6.03E-03	5.38E-03	1.02E-03	8.63E-04	4.87E-03	3.95E-03	7.98E-04	7.66E-04	5.96E-04	3.91E-04
2363	562930.5	4234497.99	6.15E-03	5.48E-03	1.04E-03	8.79E-04	4.96E-03	4.02E-03	8.13E-04	7.80E-04	6.07E-04	3.98E-04
2364	562934.79	4234489.7	6.27E-03	5.60E-03	1.06E-03	8.97E-04	5.07E-03	4.11E-03	8.30E-04	7.96E-04	6.20E-04	4.07E-04
2365	562939.08	4234481.4	6.43E-03	5.74E-03	1.09E-03	9.20E-04	5.19E-03	4.21E-03	8.51E-04	8.16E-04	6.35E-04	4.17E-04
2366	562943.37	4234473.11	6.62E-03	5.90E-03	1.12E-03	9.46E-04	5.34E-03	4.33E-03	8.75E-04	8.40E-04	6.53E-04	4.29E-04
2367	562956.55	4234461.97	7.21E-03	6.43E-03	1.22E-03	1.03E-03	5.82E-03	4.72E-03	9.53E-04	9.15E-04	7.12E-04	4.67E-04
2368	562965.44	4234459.13	7.60E-03	6.78E-03	1.29E-03	1.09E-03	6.14E-03	4.98E-03	1.01E-03	9.65E-04	7.51E-04	4.93E-04
2369	562992.11	4234450.59	8.70E-03	7.76E-03	1.48E-03	1.24E-03	7.03E-03	5.69E-03	1.15E-03	1.10E-03	8.59E-04	5.64E-04
2370	563001.01	4234447.74	9.01E-03	8.04E-03	1.53E-03	1.29E-03	7.27E-03	5.90E-03	1.19E-03	1.14E-03	8.90E-04	5.84E-04
2371	563009.9	4234444.9	9.30E-03	8.30E-03	1.58E-03	1.33E-03	7.51E-03	6.09E-03	1.23E-03	1.18E-03	9.19E-04	6.03E-04
2372	563018.79	4234442.05	9.54E-03	8.51E-03	1.62E-03	1.36E-03	7.70E-03	6.24E-03	1.26E-03	1.21E-03	9.42E-04	6.18E-04
2373	563027.68	4234439.2	9.69E-03	8.65E-03	1.64E-03	1.39E-03	7.83E-03	6.34E-03	1.28E-03	1.23E-03	9.57E-04	6.28E-04
2374	563036.57	4234436.36	9.74E-03	8.69E-03	1.65E-03	1.39E-03	7.87E-03	6.37E-03	1.29E-03	1.24E-03	9.62E-04	6.31E-04
2375	563045.46	4234433.51	9.68E-03	8.64E-03	1.64E-03	1.38E-03	7.82E-03	6.33E-03	1.28E-03	1.23E-03	9.56E-04	6.27E-04
2376	563054.36	4234430.67	9.54E-03	8.51E-03	1.62E-03	1.36E-03	7.70E-03	6.24E-03	1.26E-03	1.21E-03	9.42E-04	6.18E-04
2377	563063.25	4234427.82	9.32E-03	8.31E-03	1.58E-03	1.33E-03	7.53E-03	6.10E-03	1.23E-03	1.18E-03	9.20E-04	6.04E-04
2378	563072.14	4234424.98	9.04E-03	8.07E-03	1.53E-03	1.29E-03	7.30E-03	5.92E-03	1.20E-03	1.15E-03	8.93E-04	5.86E-04
2379	563081.03	4234422.13	8.72E-03	7.78E-03	1.48E-03	1.25E-03	7.04E-03	5.71E-03	1.15E-03	1.11E-03	8.61E-04	5.65E-04
2380	563089.92	4234419.28	8.35E-03	7.45E-03	1.42E-03	1.19E-03	6.74E-03	5.46E-03	1.10E-03	1.06E-03	8.25E-04	5.41E-04
2381	563098.81	4234416.44	7.90E-03	7.05E-03	1.34E-03	1.13E-03	6.38E-03	5.17E-03	1.04E-03	1.00E-03	7.80E-04	5.12E-04
2382	562870.46	4234614.09	5.02E-03	4.48E-03	8.53E-04	7.19E-04	4.06E-03	3.29E-03	6.64E-04	6.38E-04	4.96E-04	3.26E-04
2383	562869.66	4234623.41	5.04E-03	4.50E-03	8.55E-04	7.21E-04	4.07E-03	3.30E-03	6.67E-04	6.40E-04	4.98E-04	3.27E-04
2384	562868.87	4234632.72	5.05E-03	4.50E-03	8.56E-04	7.22E-04	4.08E-03	3.30E-03	6.67E-04	6.40E-04	4.98E-04	3.27E-04
2385	562868.07	4234642.04	5.04E-03	4.50E-03	8.55E-04	7.21E-04	4.07E-03	3.30E-03	6.66E-04	6.40E-04	4.98E-04	3.27E-04
2386	562867.27	4234651.36	5.02E-03	4.48E-03	8.52E-04	7.18E-04	4.05E-03	3.28E-03	6.64E-04	6.37E-04	4.96E-04	3.25E-04
2387	562866.47	4234660.68	4.99E-03	4.45E-03	8.46E-04	7.13E-04	4.03E-03	3.26E-03	6.59E-04	6.33E-04	4.92E-04	3.23E-04
2388	562865.68	4234669.99	4.94E-03	4.41E-03	8.38E-04	7.07E-04	3.99E-03	3.23E-03	6.53E-04	6.27E-04	4.88E-04	3.20E-04
2389	562864.88	4234679.31	4.88E-03	4.36E-03	8.28E-04	6.98E-04	3.94E-03	3.19E-03	6.46E-04	6.19E-04	4.82E-04	3.16E-04
2390	562864.08	4234688.63	4.81E-03	4.29E-03	8.16E-04	6.88E-04	3.88E-03	3.15E-03	6.36E-04	6.10E-04	4.75E-04	3.12E-04
2391	562863.28	4234697.95	4.70E-03	4.20E-03	7.98E-04	6.73E-04	3.80E-03	3.08E-03	6.22E-04	5.97E-04	4.65E-04	3.05E-04
2392	562862.49	4234707.26	4.50E-03	4.02E-03	7.64E-04	6.44E-04	3.63E-03	2.95E-03	5.95E-04	5.71E-04	4.45E-04	2.92E-04
2393	562861.69	4234716.58	4.29E-03	3.83E-03	7.28E-04	6.14E-04	3.46E-03	2.81E-03	5.67E-04	5.44E-04	4.24E-04	2.78E-04
2394	562860.89	4234725.9	4.08E-03	3.64E-03	6.92E-04	5.83E-04	3.29E-03	2.67E-03	5.39E-04	5.17E-04	4.03E-04	2.64E-04
2395	562854.74	4234604.24	4.63E-03	4.13E-03	7.86E-04	6.62E-04	3.74E-03	3.03E-03	6.13E-04	5.88E-04	4.57E-04	3.00E-04
2396	562858.96	4234596.1	4.67E-03	4.17E-03	7.93E-04	6.68E-04	3.77E-03	3.06E-03	6.18E-04	5.93E-04	4.61E-04	3.03E-04
2397	562863.17	4234587.96	4.71E-03	4.20E-03	7.99E-04	6.73E-04	3.80E-03	3.08E-03	6.23E-04	5.97E-04	4.65E-04	3.05E-04
2398	562867.38	4234579.81	4.74E-03	4.23E-03	8.05E-04	6.78E-04	3.83E-03	3.10E-03	6.27E-04	6.02E-04	4.68E-04	3.07E-04
2399	562871.59	4234571.67	4.78E-03	4.26E-03	8.11E-04	6.83E-04	3.86E-03	3.13E-03	6.32E-04	6.06E-04	4.72E-04	3.10E-04
2400	562875.8	4234563.53	4.82E-03	4.30E-03	8.17E-04	6.89E-04	3.89E-03	3.15E-03	6.37E-04	6.11E-04	4.76E-04	3.12E-04
2401	562880.01	4234555.39	4.86E-03	4.33E-03	8.24E-04	6.94E-04	3.92E-03	3.18E-03	6.42E-04	6.16E-04	4.80E-04	3.15E-04
2402	562884.22	4234547.25	4.90E-03	4.37E-03	8.32E-04	7.01E-04	3.96E-03	3.21E-03	6.48E-04	6.22E-04	4.84E-04	3.18E-04
2403	562888.43	4234539.1	4.96E-03	4.42E-03	8.41E-04	7.09E-04	4.00E-03	3.24E-03	6.55E-04	6.29E-04	4.89E-04	3.21E-04
2404	562892.64	4234530.96	5.02E-03	4.48E-03	8.52E-04	7.18E-04	4.05E-03	3.29E-03	6.64E-04	6.37E-04	4.96E-04	3.25E-04
2405	562896.85	4234522.82	5.10E-03	4.55E-03	8.65E-04	7.29E-04	4.12E-03	3.34E-03	6.74E-04	6.47E-04	5.03E-04	3.30E-04
2406	562901.06	4234514.68	5.18E-03	4.62E-03	8.80E-04	7.41E-04	4.19E-03	3.39E-03	6.86E-04	6.58E-04	5.12E-04	3.36E-04
2407	562905.27	4234506.54	5.25E-03	4.69E-03	8.91E-04	7.51E-04	4.24E-03	3.44E-03	6.95E-04	6.66E-04	5.19E-04	3.40E-04
2408	562909.48	4234498.39	5.34E-03	4.76E-03	9.05E-04	7.63E-04	4.31E-03	3.49E-03	7.06E-04	6.77E-04	5.27E-04	3.46E-04
2409	562913.69	4234490.25	5.43E-03	4.85E-03	9.22E-04	7.77E-04	4.39E-03	3.55E-03	7.18E-04	6.89E-04	5.37E-04	3.52E-04
2410	562917.9	4234482.11	5.56E-03	4.96E-03	9.44E-04	7.96E-04	4.49E-03	3.64E-03	7.36E-04	7.06E-04	5.50E-04	3.61E-04
2411	562922.11	4234473.97	5.73E-03	5.11E-03	9.72E-04	8.19E-04	4.62E-03	3.75E-03	7.57E-04	7.27E-04	5.65E-04	3.71E-04

2412	562926.32	4234465.83	5.89E-03	5.26E-03	1.00E-03	8.43E-04	4.76E-03	3.86E-03	7.79E-04	7.48E-04	5.82E-04	3.82E-04
2413	562930.54	4234457.68	6.06E-03	5.41E-03	1.03E-03	8.67E-04	4.89E-03	3.97E-03	8.01E-04	7.69E-04	5.99E-04	3.93E-04
2414	562943.48	4234446.75	6.57E-03	5.87E-03	1.12E-03	9.40E-04	5.31E-03	4.30E-03	8.69E-04	8.34E-04	6.49E-04	4.26E-04
2415	562952.21	4234443.95	6.93E-03	6.18E-03	1.18E-03	9.91E-04	5.59E-03	4.53E-03	9.16E-04	8.79E-04	6.84E-04	4.49E-04
2416	562960.94	4234441.16	7.28E-03	6.49E-03	1.24E-03	1.04E-03	5.88E-03	4.76E-03	9.63E-04	9.24E-04	7.19E-04	4.72E-04
2417	562987.13	4234432.78	8.23E-03	7.34E-03	1.40E-03	1.18E-03	6.65E-03	5.39E-03	1.09E-03	1.04E-03	8.13E-04	5.34E-04
2418	562995.86	4234429.98	8.49E-03	7.57E-03	1.44E-03	1.21E-03	6.85E-03	5.55E-03	1.12E-03	1.08E-03	8.38E-04	5.50E-04
2419	563004.59	4234427.19	8.70E-03	7.76E-03	1.48E-03	1.24E-03	7.02E-03	5.69E-03	1.15E-03	1.10E-03	8.59E-04	5.64E-04
2420	563013.32	4234424.39	8.85E-03	7.90E-03	1.50E-03	1.27E-03	7.15E-03	5.79E-03	1.17E-03	1.12E-03	8.74E-04	5.74E-04
2421	563022.05	4234421.6	8.95E-03	7.98E-03	1.52E-03	1.28E-03	7.23E-03	5.86E-03	1.18E-03	1.14E-03	8.84E-04	5.80E-04
2422	563030.78	4234418.81	8.98E-03	8.01E-03	1.52E-03	1.28E-03	7.25E-03	5.88E-03	1.19E-03	1.14E-03	8.87E-04	5.82E-04
2423	563039.51	4234416.01	8.94E-03	7.97E-03	1.52E-03	1.28E-03	7.22E-03	5.85E-03	1.18E-03	1.13E-03	8.83E-04	5.79E-04
2424	563048.24	4234413.22	8.83E-03	7.88E-03	1.50E-03	1.26E-03	7.13E-03	5.78E-03	1.17E-03	1.12E-03	8.72E-04	5.72E-04
2425	563056.97	4234410.42	8.66E-03	7.72E-03	1.47E-03	1.24E-03	6.99E-03	5.67E-03	1.15E-03	1.10E-03	8.55E-04	5.61E-04
2426	563065.7	4234407.63	8.43E-03	7.52E-03	1.43E-03	1.21E-03	6.80E-03	5.51E-03	1.11E-03	1.07E-03	8.32E-04	5.46E-04
2427	563074.43	4234404.84	8.14E-03	7.26E-03	1.38E-03	1.16E-03	6.57E-03	5.33E-03	1.08E-03	1.03E-03	8.04E-04	5.28E-04
2428	563083.16	4234402.04	7.82E-03	6.97E-03	1.33E-03	1.12E-03	6.31E-03	5.11E-03	1.03E-03	9.92E-04	7.72E-04	5.07E-04
2429	563091.89	4234399.25	7.46E-03	6.65E-03	1.27E-03	1.07E-03	6.02E-03	4.88E-03	9.86E-04	9.46E-04	7.36E-04	4.83E-04
2430	563100.62	4234396.45	7.03E-03	6.27E-03	1.19E-03	1.01E-03	5.68E-03	4.60E-03	9.30E-04	8.92E-04	6.94E-04	4.56E-04
2431	562850.53	4234612.38	4.59E-03	4.09E-03	7.79E-04	6.56E-04	3.71E-03	3.00E-03	6.07E-04	5.82E-04	4.53E-04	2.97E-04
2432	562849.74	4234621.7	4.61E-03	4.11E-03	7.83E-04	6.60E-04	3.72E-03	3.02E-03	6.10E-04	5.85E-04	4.55E-04	2.99E-04
2433	562848.94	4234631.02	4.62E-03	4.12E-03	7.84E-04	6.61E-04	3.73E-03	3.03E-03	6.11E-04	5.87E-04	4.57E-04	3.00E-04
2434	562848.14	4234640.34	4.61E-03	4.11E-03	7.82E-04	6.59E-04	3.72E-03	3.02E-03	6.10E-04	5.85E-04	4.55E-04	2.99E-04
2435	562847.34	4234649.65	4.57E-03	4.07E-03	7.75E-04	6.53E-04	3.69E-03	2.99E-03	6.04E-04	5.79E-04	4.51E-04	2.96E-04
2436	562846.55	4234658.97	4.50E-03	4.01E-03	7.64E-04	6.44E-04	3.63E-03	2.94E-03	5.95E-04	5.71E-04	4.44E-04	2.92E-04
2437	562845.75	4234668.29	4.43E-03	3.95E-03	7.51E-04	6.33E-04	3.57E-03	2.90E-03	5.85E-04	5.62E-04	4.37E-04	2.87E-04
2438	562844.95	4234677.61	4.36E-03	3.89E-03	7.40E-04	6.24E-04	3.52E-03	2.86E-03	5.77E-04	5.54E-04	4.31E-04	2.83E-04
2439	562844.15	4234686.92	4.29E-03	3.83E-03	7.28E-04	6.13E-04	3.46E-03	2.81E-03	5.67E-04	5.44E-04	4.24E-04	2.78E-04
2440	562843.36	4234696.24	4.20E-03	3.75E-03	7.13E-04	6.01E-04	3.39E-03	2.75E-03	5.56E-04	5.33E-04	4.15E-04	2.72E-04
2441	562842.56	4234705.56	4.03E-03	3.59E-03	6.83E-04	5.76E-04	3.25E-03	2.63E-03	5.32E-04	5.11E-04	3.98E-04	2.61E-04
2442	562841.76	4234714.88	3.86E-03	3.44E-03	6.54E-04	5.51E-04	3.11E-03	2.52E-03	5.10E-04	4.89E-04	3.81E-04	2.50E-04
2443	562840.96	4234724.19	3.69E-03	3.29E-03	6.26E-04	5.28E-04	2.98E-03	2.41E-03	4.88E-04	4.68E-04	3.64E-04	2.39E-04
2444	562834.75	4234602.66	4.26E-03	3.80E-03	7.22E-04	6.09E-04	3.44E-03	2.79E-03	5.63E-04	5.40E-04	4.20E-04	2.76E-04
2445	562838.9	4234594.64	4.28E-03	3.82E-03	7.26E-04	6.12E-04	3.46E-03	2.80E-03	5.66E-04	5.43E-04	4.23E-04	2.77E-04
2446	562843.05	4234586.62	4.30E-03	3.84E-03	7.30E-04	6.15E-04	3.47E-03	2.82E-03	5.69E-04	5.46E-04	4.25E-04	2.79E-04
2447	562847.19	4234578.6	4.32E-03	3.86E-03	7.34E-04	6.18E-04	3.49E-03	2.83E-03	5.72E-04	5.49E-04	4.27E-04	2.80E-04
2448	562851.34	4234570.58	4.34E-03	3.87E-03	7.37E-04	6.21E-04	3.51E-03	2.84E-03	5.74E-04	5.51E-04	4.29E-04	2.81E-04
2449	562855.49	4234562.57	4.36E-03	3.89E-03	7.40E-04	6.24E-04	3.52E-03	2.86E-03	5.77E-04	5.54E-04	4.31E-04	2.83E-04
2450	562859.63	4234554.55	4.39E-03	3.91E-03	7.44E-04	6.27E-04	3.54E-03	2.87E-03	5.80E-04	5.56E-04	4.33E-04	2.84E-04
2451	562863.78	4234546.53	4.41E-03	3.93E-03	7.48E-04	6.31E-04	3.56E-03	2.89E-03	5.83E-04	5.60E-04	4.36E-04	2.86E-04
2452	562867.93	4234538.51	4.44E-03	3.96E-03	7.54E-04	6.35E-04	3.59E-03	2.91E-03	5.87E-04	5.64E-04	4.39E-04	2.88E-04
2453	562872.08	4234530.49	4.48E-03	4.00E-03	7.60E-04	6.41E-04	3.62E-03	2.93E-03	5.93E-04	5.69E-04	4.43E-04	2.90E-04
2454	562876.22	4234522.47	4.53E-03	4.04E-03	7.69E-04	6.48E-04	3.66E-03	2.96E-03	5.99E-04	5.75E-04	4.47E-04	2.94E-04
2455	562880.37	4234514.45	4.58E-03	4.09E-03	7.78E-04	6.55E-04	3.70E-03	3.00E-03	6.06E-04	5.81E-04	4.53E-04	2.97E-04
2456	562884.52	4234506.43	4.62E-03	4.12E-03	7.84E-04	6.61E-04	3.73E-03	3.02E-03	6.11E-04	5.86E-04	4.56E-04	3.00E-04
2457	562888.66	4234498.42	4.68E-03	4.17E-03	7.94E-04	6.69E-04	3.78E-03	3.06E-03	6.18E-04	5.93E-04	4.62E-04	3.03E-04
2458	562892.81	4234490.4	4.75E-03	4.23E-03	8.05E-04	6.79E-04	3.83E-03	3.11E-03	6.28E-04	6.02E-04	4.69E-04	3.08E-04
2459	562896.96	4234482.38	4.85E-03	4.32E-03	8.22E-04	6.93E-04	3.91E-03	3.17E-03	6.41E-04	6.15E-04	4.79E-04	3.14E-04
2460	562901.1	4234474.36	4.98E-03	4.44E-03	8.45E-04	7.12E-04	4.02E-03	3.26E-03	6.58E-04	6.32E-04	4.92E-04	3.23E-04
2461	562905.25	4234466.34	5.12E-03	4.57E-03	8.69E-04	7.32E-04	4.13E-03	3.35E-03	6.77E-04	6.50E-04	5.06E-04	3.32E-04
2462	562909.4	4234458.32	5.27E-03	4.70E-03	8.94E-04	7.53E-04	4.25E-03	3.45E-03	6.97E-04	6.68E-04	5.20E-04	3.41E-04
2463	562913.54	4234450.3	5.42E-03	4.84E-03	9.20E-04	7.75E-04	4.38E-03	3.55E-03	7.17E-04	6.88E-04	5.35E-04	3.51E-04
2464	562917.69	4234442.29	5.57E-03	4.97E-03	9.46E-04	7.97E-04	4.50E-03	3.65E-03	7.37E-04	7.07E-04	5.50E-04	3.61E-04
2465	562930.43	4234431.52	6.04E-03	5.38E-03	1.02E-03	8.63E-04	4.87E-03	3.95E-03	7.98E-04	7.66E-04	5.96E-04	3.91E-04
2466	562947.63	4234426.01	6.67E-03	5.95E-03	1.13E-03	9.54E-04	5.38E-03	4.36E-03	8.82E-04	8.46E-04	6.58E-04	4.32E-04
2467	562982.02	4234415	7.79E-03	6.95E-03	1.32E-03	1.11E-03	6.29E-03	5.10E-03	1.03E-03	9.89E-04	7.70E-04	5.05E-04
2468	562999.22	4234409.5	8.18E-03	7.30E-03	1.39E-03	1.17E-03	6.60E-03	5.35E-03	1.08E-03	1.04E-03	8.08E-04	5.30E-04
2469	563007.81	4234406.75	8.30E-03	7.41E-03	1.41E-03	1.19E-03	6.70E-03	5.43E-03	1.10E-03	1.05E-03	8.20E-04	5.38E-04
2470	563025.01	4234401.24	8.39E-03	7.48E-03	1.42E-03	1.20E-03	6.77E-03	5.49E-03	1.11E-03	1.06E-03	8.28E-04	5.43E-04
2471	563042.21	4234395.74	8.24E-03	7.35E-03	1.40E-03	1.18E-03	6.65E-03	5.39E-03	1.09E-03	1.05E-03	8.14E-04	5.34E-04
2472	563059.4	4234390.24	7.87E-03	7.02E-03	1.34E-03	1.13E-03	6.36E-03	5.15E-03	1.04E-03	9.99E-04	7.78E-04	5.10E-04
2473	563076.6	4234384.73	7.33E-03	6.54E-03	1.24E-03	1.05E-03	5.92E-03	4.80E-03	9.70E-04	9.30E-04	7.24E-04	4.75E-04
2474	563093.79	4234379.23	6.68E-03	5.96E-03	1.13E-03	9.55E-04	5.39E-03	4.37E-03	8.83E-04	8.47E-04	6.59E-04	4.33E-04
2475	562830.61	4234610.68	4.23E-03	3.77E-03	7.17E-04	6.05E-04	3.41E-03	2.77E-03	5.59E-04	5.36E-04	4.18E-04	2.74E-04
2476	562829.81	4234619.99	4.25E-03	3.79E-03	7.21E-04	6.08E-04	3.43E-03	2.78E-03	5.62E-04	5.40E-04	4.20E-04	2.76E-04
2477	562829.01	4234629.31	4.27E-03	3.81E-03	7.24E-04	6.10E-04	3.44E-03	2.79E-03	5.64E-04	5.41E-04	4.21E-04	2.76E-04
2478	562828.21	4234638.63	4.24E-03	3.78E-03	7.20E-04	6.06E-04	3.42E-03	2.78E-03	5.61E-04	5.38E-04	4.19E-04	2.75E-04
2479	562827.42	4234647.95	4.12E-03	3.68E-03	6.99E-04	5.89E-04	3.33E-03	2.70E-03	5.45E-04	5.23E-04	4.07E-04	2.67E-04
2480	562826.62	4234657.26	3.99E-03	3.56E-03	6.78E-04	5.71E-04	3.22E-03	2.61E-03	5.28E-04	5.07E-04	3.94E-04	2.59E-04

2481	562825.82	4234666.58	3.87E-03	3.45E-03	6.56E-04	5.53E-04	3.12E-03	2.53E-03	5.12E-04	4.91E-04	3.82E-04	2.51E-04
2482	562825.02	4234675.9	3.82E-03	3.40E-03	6.48E-04	5.46E-04	3.08E-03	2.50E-03	5.05E-04	4.84E-04	3.77E-04	2.47E-04
2483	562824.23	4234685.22	3.75E-03	3.35E-03	6.37E-04	5.37E-04	3.03E-03	2.46E-03	4.96E-04	4.76E-04	3.71E-04	2.43E-04
2484	562823.43	4234694.53	3.68E-03	3.28E-03	6.24E-04	5.26E-04	2.97E-03	2.41E-03	4.87E-04	4.67E-04	3.63E-04	2.38E-04
2485	562822.63	4234703.85	3.60E-03	3.21E-03	6.11E-04	5.15E-04	2.91E-03	2.36E-03	4.76E-04	4.57E-04	3.56E-04	2.33E-04
2486	562821.83	4234713.17	3.51E-03	3.13E-03	5.96E-04	5.02E-04	2.83E-03	2.30E-03	4.64E-04	4.46E-04	3.47E-04	2.28E-04
2487	562821.04	4234722.49	3.41E-03	3.05E-03	5.79E-04	4.88E-04	2.76E-03	2.23E-03	4.52E-04	4.33E-04	3.37E-04	2.21E-04
2488	562814.95	4234600.71	3.86E-03	3.44E-03	6.54E-04	5.51E-04	3.11E-03	2.52E-03	5.10E-04	4.89E-04	3.81E-04	2.50E-04
2489	562819.22	4234592.45	3.93E-03	3.50E-03	6.66E-04	5.62E-04	3.17E-03	2.57E-03	5.19E-04	4.98E-04	3.88E-04	2.55E-04
2490	562823.49	4234584.19	3.97E-03	3.54E-03	6.73E-04	5.68E-04	3.20E-03	2.60E-03	5.25E-04	5.04E-04	3.92E-04	2.57E-04
2491	562827.77	4234575.93	3.98E-03	3.55E-03	6.75E-04	5.69E-04	3.21E-03	2.60E-03	5.26E-04	5.05E-04	3.93E-04	2.58E-04
2492	562832.04	4234567.67	3.99E-03	3.56E-03	6.76E-04	5.70E-04	3.22E-03	2.61E-03	5.27E-04	5.06E-04	3.94E-04	2.58E-04
2493	562836.31	4234559.41	4.00E-03	3.56E-03	6.78E-04	5.71E-04	3.23E-03	2.61E-03	5.28E-04	5.07E-04	3.95E-04	2.59E-04
2494	562840.58	4234551.15	4.00E-03	3.57E-03	6.80E-04	5.73E-04	3.23E-03	2.62E-03	5.30E-04	5.08E-04	3.96E-04	2.60E-04
2495	562844.85	4234542.89	4.01E-03	3.58E-03	6.81E-04	5.74E-04	3.24E-03	2.63E-03	5.31E-04	5.09E-04	3.96E-04	2.60E-04
2496	562849.12	4234534.63	4.03E-03	3.59E-03	6.83E-04	5.76E-04	3.25E-03	2.64E-03	5.33E-04	5.11E-04	3.98E-04	2.61E-04
2497	562853.4	4234526.37	4.06E-03	3.62E-03	6.88E-04	5.80E-04	3.28E-03	2.65E-03	5.36E-04	5.15E-04	4.01E-04	2.63E-04
2498	562857.67	4234518.11	4.09E-03	3.65E-03	6.94E-04	5.85E-04	3.30E-03	2.68E-03	5.41E-04	5.19E-04	4.04E-04	2.65E-04
2499	562861.94	4234509.85	4.11E-03	3.66E-03	6.97E-04	5.88E-04	3.32E-03	2.69E-03	5.43E-04	5.21E-04	4.06E-04	2.66E-04
2500	562866.21	4234501.59	4.13E-03	3.69E-03	7.01E-04	5.91E-04	3.34E-03	2.70E-03	5.46E-04	5.24E-04	4.08E-04	2.68E-04
2501	562870.48	4234493.33	4.17E-03	3.72E-03	7.08E-04	5.96E-04	3.37E-03	2.73E-03	5.52E-04	5.29E-04	4.12E-04	2.70E-04
2502	562874.75	4234485.07	4.23E-03	3.77E-03	7.18E-04	6.05E-04	3.41E-03	2.77E-03	5.59E-04	5.37E-04	4.18E-04	2.74E-04
2503	562879.03	4234476.81	4.33E-03	3.86E-03	7.35E-04	6.19E-04	3.50E-03	2.83E-03	5.73E-04	5.49E-04	4.28E-04	2.81E-04
2504	562883.3	4234468.55	4.44E-03	3.96E-03	7.54E-04	6.35E-04	3.59E-03	2.91E-03	5.88E-04	5.64E-04	4.39E-04	2.88E-04
2505	562887.57	4234460.29	4.57E-03	4.08E-03	7.75E-04	6.54E-04	3.69E-03	2.99E-03	6.04E-04	5.80E-04	4.51E-04	2.96E-04
2506	562891.84	4234452.03	4.71E-03	4.20E-03	7.98E-04	6.73E-04	3.80E-03	3.08E-03	6.22E-04	5.97E-04	4.65E-04	3.05E-04
2507	562896.11	4234443.77	4.85E-03	4.32E-03	8.23E-04	6.93E-04	3.91E-03	3.17E-03	6.41E-04	6.15E-04	4.79E-04	3.14E-04
2508	562900.38	4234435.51	4.99E-03	4.45E-03	8.47E-04	7.14E-04	4.03E-03	3.27E-03	6.60E-04	6.34E-04	4.93E-04	3.24E-04
2509	562904.66	4234427.25	5.14E-03	4.58E-03	8.72E-04	7.35E-04	4.15E-03	3.36E-03	6.80E-04	6.52E-04	5.08E-04	3.33E-04
2510	562917.78	4234416.16	5.57E-03	4.97E-03	9.46E-04	7.97E-04	4.50E-03	3.65E-03	7.37E-04	7.07E-04	5.51E-04	3.61E-04
2511	562926.64	4234413.32	5.87E-03	5.24E-03	9.96E-04	8.40E-04	4.74E-03	3.84E-03	7.76E-04	7.45E-04	5.80E-04	3.80E-04
2512	562935.5	4234410.49	6.17E-03	5.50E-03	1.05E-03	8.82E-04	4.98E-03	4.04E-03	8.16E-04	7.83E-04	6.09E-04	4.00E-04
2513	562944.35	4234407.65	6.46E-03	5.76E-03	1.10E-03	9.24E-04	5.21E-03	4.23E-03	8.54E-04	8.19E-04	6.38E-04	4.19E-04
2514	562953.21	4234404.82	6.74E-03	6.01E-03	1.14E-03	9.64E-04	5.44E-03	4.41E-03	8.91E-04	8.55E-04	6.66E-04	4.37E-04
2515	562979.78	4234396.31	7.45E-03	6.65E-03	1.26E-03	1.07E-03	6.02E-03	4.88E-03	9.85E-04	9.45E-04	7.36E-04	4.83E-04
2516	562988.64	4234393.48	7.62E-03	6.80E-03	1.29E-03	1.09E-03	6.15E-03	4.99E-03	1.01E-03	9.67E-04	7.53E-04	4.94E-04
2517	562997.49	4234390.64	7.75E-03	6.91E-03	1.32E-03	1.11E-03	6.26E-03	5.07E-03	1.02E-03	9.83E-04	7.65E-04	5.02E-04
2518	563006.35	4234387.81	7.83E-03	6.99E-03	1.33E-03	1.12E-03	6.32E-03	5.12E-03	1.04E-03	9.94E-04	7.73E-04	5.08E-04
2519	563015.21	4234384.98	7.86E-03	7.01E-03	1.33E-03	1.12E-03	6.35E-03	5.14E-03	1.04E-03	9.97E-04	7.76E-04	5.09E-04
2520	563024.06	4234382.14	7.83E-03	6.99E-03	1.33E-03	1.12E-03	6.32E-03	5.13E-03	1.04E-03	9.94E-04	7.74E-04	5.08E-04
2521	563032.92	4234379.31	7.75E-03	6.92E-03	1.32E-03	1.11E-03	6.26E-03	5.07E-03	1.03E-03	9.84E-04	7.66E-04	5.02E-04
2522	563041.78	4234376.47	7.62E-03	6.80E-03	1.29E-03	1.09E-03	6.15E-03	4.99E-03	1.01E-03	9.67E-04	7.53E-04	4.94E-04
2523	563050.63	4234373.64	7.44E-03	6.64E-03	1.26E-03	1.06E-03	6.01E-03	4.87E-03	9.84E-04	9.44E-04	7.35E-04	4.82E-04
2524	563059.49	4234370.8	7.21E-03	6.43E-03	1.22E-03	1.03E-03	5.82E-03	4.72E-03	9.54E-04	9.15E-04	7.12E-04	4.67E-04
2525	563068.35	4234367.97	6.95E-03	6.20E-03	1.18E-03	9.94E-04	5.61E-03	4.55E-03	9.19E-04	8.82E-04	6.87E-04	4.51E-04
2526	563077.2	4234365.13	6.66E-03	5.94E-03	1.13E-03	9.53E-04	5.38E-03	4.36E-03	8.81E-04	8.45E-04	6.58E-04	4.32E-04
2527	563086.06	4234362.3	6.35E-03	5.66E-03	1.08E-03	9.08E-04	5.13E-03	4.15E-03	8.40E-04	8.06E-04	6.27E-04	4.11E-04
2528	563094.92	4234359.46	6.02E-03	5.37E-03	1.02E-03	8.61E-04	4.86E-03	3.94E-03	7.96E-04	7.64E-04	5.94E-04	3.90E-04
2529	563103.77	4234356.63	5.65E-03	5.04E-03	9.58E-04	8.08E-04	4.56E-03	3.69E-03	7.47E-04	7.16E-04	5.58E-04	3.66E-04
2530	562810.68	4234608.97	3.77E-03	3.36E-03	6.39E-04	5.39E-04	3.04E-03	2.47E-03	4.98E-04	4.78E-04	3.72E-04	2.44E-04
2531	562809.88	4234618.29	3.78E-03	3.37E-03	6.42E-04	5.41E-04	3.05E-03	2.47E-03	5.00E-04	4.80E-04	3.74E-04	2.45E-04
2532	562809.09	4234627.61	3.79E-03	3.38E-03	6.43E-04	5.42E-04	3.06E-03	2.48E-03	5.01E-04	4.81E-04	3.74E-04	2.45E-04
2533	562808.29	4234636.92	3.78E-03	3.37E-03	6.41E-04	5.40E-04	3.05E-03	2.47E-03	5.00E-04	4.79E-04	3.73E-04	2.45E-04
2534	562807.49	4234646.24	3.72E-03	3.32E-03	6.31E-04	5.32E-04	3.00E-03	2.43E-03	4.92E-04	4.72E-04	3.67E-04	2.41E-04
2535	562806.69	4234655.56	3.65E-03	3.26E-03	6.20E-04	5.22E-04	2.95E-03	2.39E-03	4.83E-04	4.63E-04	3.61E-04	2.37E-04
2536	562805.9	4234664.88	3.59E-03	3.20E-03	6.08E-04	5.13E-04	2.90E-03	2.35E-03	4.74E-04	4.55E-04	3.54E-04	2.32E-04
2537	562805.1	4234674.19	3.54E-03	3.16E-03	6.00E-04	5.06E-04	2.86E-03	2.32E-03	4.68E-04	4.49E-04	3.49E-04	2.29E-04
2538	562804.3	4234683.51	3.48E-03	3.11E-03	5.91E-04	4.98E-04	2.81E-03	2.28E-03	4.61E-04	4.42E-04	3.44E-04	2.26E-04
2539	562803.5	4234692.83	3.42E-03	3.05E-03	5.80E-04	4.89E-04	2.76E-03	2.24E-03	4.52E-04	4.34E-04	3.37E-04	2.21E-04
2540	562802.71	4234702.15	3.37E-03	3.01E-03	5.72E-04	4.82E-04	2.72E-03	2.21E-03	4.46E-04	4.28E-04	3.33E-04	2.19E-04
2541	562801.91	4234711.46	3.34E-03	2.98E-03	5.67E-04	4.78E-04	2.70E-03	2.19E-03	4.42E-04	4.24E-04	3.30E-04	2.17E-04
2542	562801.11	4234720.78	3.31E-03	2.95E-03	5.61E-04	4.73E-04	2.67E-03	2.16E-03	4.37E-04	4.20E-04	3.27E-04	2.14E-04
2543	562794.96	4234599.12	3.44E-03	3.07E-03	5.84E-04	4.92E-04	2.78E-03	2.25E-03	4.55E-04	4.37E-04	3.40E-04	2.23E-04
2544	562799.17	4234590.98	3.55E-03	3.17E-03	6.02E-04	5.08E-04	2.87E-03	2.32E-03	4.69E-04	4.50E-04	3.51E-04	2.30E-04
2545	562803.38	4234582.84	3.64E-03	3.24E-03	6.17E-04	5.20E-04	2.94E-03	2.38E-03	4.81E-04	4.61E-04	3.59E-04	2.36E-04
2546	562807.6	4234574.7	3.68E-03	3.29E-03	6.25E-04	5.27E-04	2.97E-03	2.41E-03	4.87E-04	4.67E-04	3.64E-04	2.39E-04
2547	562811.81	4234566.56	3.67E-03	3.28E-03	6.23E-04	5.25E-04	2.97E-03	2.40E-03	4.86E-04	4.66E-04	3.63E-04	2.38E-04
2548	562816.02	4234558.41	3.67E-03	3.27E-03	6.23E-04	5.25E-04	2.96E-03	2.40E-03	4.85E-04	4.66E-04	3.62E-04	2.38E-04
2549	562820.23	4234550.27	3.67E-03	3.28E-03	6.24E-04	5.26E-04	2.97E-03	2.40E-03	4.86E-04	4.66E-04	3.63E-04	2.38E-04

2550	562824.44	4234542.13	3.67E-03	3.28E-03	6.23E-04	5.25E-04	2.97E-03	2.40E-03	4.86E-04	4.66E-04	3.63E-04	2.38E-04
2551	562828.65	4234533.99	3.65E-03	3.26E-03	6.20E-04	5.23E-04	2.95E-03	2.39E-03	4.83E-04	4.64E-04	3.61E-04	2.37E-04
2552	562832.86	4234525.85	3.65E-03	3.25E-03	6.19E-04	5.22E-04	2.95E-03	2.39E-03	4.82E-04	4.63E-04	3.60E-04	2.36E-04
2553	562837.07	4234517.7	3.66E-03	3.26E-03	6.20E-04	5.23E-04	2.95E-03	2.39E-03	4.84E-04	4.64E-04	3.61E-04	2.37E-04
2554	562841.28	4234509.56	3.68E-03	3.28E-03	6.24E-04	5.26E-04	2.97E-03	2.41E-03	4.86E-04	4.67E-04	3.63E-04	2.38E-04
2555	562845.49	4234501.42	3.70E-03	3.30E-03	6.28E-04	5.29E-04	2.99E-03	2.42E-03	4.89E-04	4.70E-04	3.65E-04	2.40E-04
2556	562849.7	4234493.28	3.73E-03	3.32E-03	6.32E-04	5.33E-04	3.01E-03	2.44E-03	4.93E-04	4.73E-04	3.68E-04	2.42E-04
2557	562853.91	4234485.14	3.76E-03	3.36E-03	6.39E-04	5.38E-04	3.04E-03	2.46E-03	4.98E-04	4.77E-04	3.72E-04	2.44E-04
2558	562858.12	4234476.99	3.83E-03	3.42E-03	6.50E-04	5.48E-04	3.10E-03	2.51E-03	5.07E-04	4.86E-04	3.79E-04	2.48E-04
2559	562862.33	4234468.85	3.92E-03	3.49E-03	6.65E-04	5.60E-04	3.16E-03	2.56E-03	5.18E-04	4.97E-04	3.87E-04	2.54E-04
2560	562866.54	4234460.71	4.01E-03	3.58E-03	6.81E-04	5.74E-04	3.24E-03	2.63E-03	5.31E-04	5.09E-04	3.96E-04	2.60E-04
2561	562870.75	4234452.57	4.12E-03	3.68E-03	6.99E-04	5.89E-04	3.33E-03	2.70E-03	5.45E-04	5.23E-04	4.07E-04	2.67E-04
2562	562874.96	4234444.43	4.24E-03	3.78E-03	7.19E-04	6.06E-04	3.42E-03	2.77E-03	5.61E-04	5.38E-04	4.19E-04	2.75E-04
2563	562879.18	4234436.28	4.36E-03	3.89E-03	7.41E-04	6.24E-04	3.52E-03	2.86E-03	5.77E-04	5.54E-04	4.31E-04	2.83E-04
2564	562883.39	4234428.14	4.50E-03	4.01E-03	7.63E-04	6.43E-04	3.63E-03	2.94E-03	5.94E-04	5.70E-04	4.44E-04	2.91E-04
2565	562887.6	4234420	4.63E-03	4.13E-03	7.85E-04	6.62E-04	3.74E-03	3.03E-03	6.12E-04	5.87E-04	4.57E-04	3.00E-04
2566	562891.81	4234411.86	4.76E-03	4.25E-03	8.08E-04	6.81E-04	3.84E-03	3.12E-03	6.30E-04	6.04E-04	4.70E-04	3.09E-04
2567	562904.75	4234400.92	5.15E-03	4.60E-03	8.74E-04	7.37E-04	4.16E-03	3.37E-03	6.81E-04	6.54E-04	5.09E-04	3.34E-04
2568	562913.48	4234398.13	5.42E-03	4.83E-03	9.19E-04	7.75E-04	4.38E-03	3.55E-03	7.17E-04	6.88E-04	5.35E-04	3.51E-04
2569	562922.21	4234395.33	5.69E-03	5.07E-03	9.65E-04	8.13E-04	4.59E-03	3.72E-03	7.52E-04	7.22E-04	5.62E-04	3.69E-04
2570	562930.94	4234392.54	5.95E-03	5.31E-03	1.01E-03	8.51E-04	4.80E-03	3.89E-03	7.87E-04	7.55E-04	5.88E-04	3.86E-04
2571	562939.67	4234389.74	6.21E-03	5.54E-03	1.05E-03	8.88E-04	5.01E-03	4.06E-03	8.21E-04	7.88E-04	6.13E-04	4.02E-04
2572	562948.4	4234386.95	6.45E-03	5.76E-03	1.09E-03	9.23E-04	5.21E-03	4.22E-03	8.53E-04	8.19E-04	6.37E-04	4.18E-04
2573	562957.13	4234384.16	6.68E-03	5.96E-03	1.13E-03	9.55E-04	5.39E-03	4.37E-03	8.83E-04	8.48E-04	6.60E-04	4.33E-04
2574	562983.32	4234375.77	7.20E-03	6.43E-03	1.22E-03	1.03E-03	5.82E-03	4.71E-03	9.53E-04	9.14E-04	7.11E-04	4.67E-04
2575	562992.05	4234372.98	7.31E-03	6.52E-03	1.24E-03	1.04E-03	5.90E-03	4.78E-03	9.66E-04	9.27E-04	7.22E-04	4.74E-04
2576	563000.78	4234370.19	7.37E-03	6.57E-03	1.25E-03	1.05E-03	5.95E-03	4.82E-03	9.74E-04	9.35E-04	7.28E-04	4.78E-04
2577	563009.51	4234367.39	7.38E-03	6.59E-03	1.25E-03	1.06E-03	5.96E-03	4.83E-03	9.76E-04	9.37E-04	7.29E-04	4.79E-04
2578	563018.24	4234364.6	7.35E-03	6.56E-03	1.25E-03	1.05E-03	5.94E-03	4.81E-03	9.72E-04	9.33E-04	7.26E-04	4.77E-04
2579	563026.97	4234361.8	7.27E-03	6.49E-03	1.23E-03	1.04E-03	5.87E-03	4.76E-03	9.62E-04	9.23E-04	7.18E-04	4.71E-04
2580	563035.7	4234359.01	7.15E-03	6.38E-03	1.21E-03	1.02E-03	5.77E-03	4.68E-03	9.46E-04	9.08E-04	7.06E-04	4.64E-04
2581	563044.43	4234356.21	6.99E-03	6.23E-03	1.19E-03	9.99E-04	5.64E-03	4.57E-03	9.24E-04	8.87E-04	6.90E-04	4.53E-04
2582	563053.16	4234353.42	6.79E-03	6.05E-03	1.15E-03	9.70E-04	5.48E-03	4.44E-03	8.97E-04	8.61E-04	6.70E-04	4.40E-04
2583	563061.89	4234350.63	6.55E-03	5.84E-03	1.11E-03	9.37E-04	5.29E-03	4.29E-03	8.66E-04	8.31E-04	6.47E-04	4.25E-04
2584	563070.62	4234347.83	6.29E-03	5.61E-03	1.07E-03	9.00E-04	5.08E-03	4.12E-03	8.32E-04	7.98E-04	6.21E-04	4.08E-04
2585	563079.35	4234345.04	6.01E-03	5.36E-03	1.02E-03	8.60E-04	4.86E-03	3.94E-03	7.95E-04	7.63E-04	5.94E-04	3.90E-04
2586	563088.08	4234342.24	5.72E-03	5.11E-03	9.71E-04	8.19E-04	4.62E-03	3.75E-03	7.57E-04	7.26E-04	5.65E-04	3.71E-04
2587	563096.81	4234339.45	5.41E-03	4.83E-03	9.19E-04	7.74E-04	4.37E-03	3.54E-03	7.16E-04	6.87E-04	5.35E-04	3.51E-04
2588	563105.54	4234336.66	5.08E-03	4.53E-03	8.62E-04	7.27E-04	4.10E-03	3.33E-03	6.72E-04	6.45E-04	5.02E-04	3.29E-04
2589	562790.75	4234607.27	3.36E-03	3.00E-03	5.70E-04	4.80E-04	2.71E-03	2.20E-03	4.44E-04	4.26E-04	3.32E-04	2.18E-04
2590	562789.96	4234616.58	3.38E-03	3.02E-03	5.74E-04	4.84E-04	2.73E-03	2.21E-03	4.47E-04	4.29E-04	3.34E-04	2.19E-04
2591	562789.16	4234625.9	3.40E-03	3.03E-03	5.76E-04	4.86E-04	2.74E-03	2.22E-03	4.49E-04	4.31E-04	3.35E-04	2.20E-04
2592	562788.36	4234635.22	3.40E-03	3.03E-03	5.77E-04	4.86E-04	2.74E-03	2.22E-03	4.49E-04	4.31E-04	3.36E-04	2.20E-04
2593	562787.56	4234644.54	3.41E-03	3.04E-03	5.78E-04	4.87E-04	2.75E-03	2.23E-03	4.50E-04	4.32E-04	3.36E-04	2.21E-04
2594	562786.77	4234653.85	3.41E-03	3.04E-03	5.78E-04	4.87E-04	2.75E-03	2.23E-03	4.51E-04	4.32E-04	3.37E-04	2.21E-04
2595	562785.97	4234663.17	3.40E-03	3.03E-03	5.77E-04	4.87E-04	2.75E-03	2.23E-03	4.50E-04	4.32E-04	3.36E-04	2.20E-04
2596	562785.17	4234672.49	3.37E-03	3.01E-03	5.72E-04	4.82E-04	2.72E-03	2.21E-03	4.46E-04	4.28E-04	3.33E-04	2.19E-04
2597	562784.37	4234681.81	3.33E-03	2.97E-03	5.64E-04	4.76E-04	2.69E-03	2.18E-03	4.40E-04	4.22E-04	3.29E-04	2.16E-04
2598	562783.58	4234691.12	3.27E-03	2.91E-03	5.54E-04	4.67E-04	2.64E-03	2.14E-03	4.32E-04	4.15E-04	3.23E-04	2.12E-04
2599	562782.78	4234700.44	3.22E-03	2.87E-03	5.46E-04	4.60E-04	2.60E-03	2.11E-03	4.26E-04	4.09E-04	3.18E-04	2.09E-04
2600	562781.98	4234709.76	3.19E-03	2.84E-03	5.41E-04	4.56E-04	2.57E-03	2.09E-03	4.21E-04	4.04E-04	3.15E-04	2.07E-04
2601	562781.18	4234719.08	3.14E-03	2.80E-03	5.33E-04	4.49E-04	2.53E-03	2.05E-03	4.15E-04	3.98E-04	3.10E-04	2.03E-04
2602	562755.16	4234595.62	2.98E-03	2.66E-03	5.05E-04	4.26E-04	2.40E-03	1.95E-03	3.94E-04	3.78E-04	2.94E-04	1.93E-04
2603	562759.42	4234587.38	2.98E-03	2.66E-03	5.06E-04	4.26E-04	2.41E-03	1.95E-03	3.94E-04	3.78E-04	2.94E-04	1.93E-04
2604	562763.68	4234579.14	2.98E-03	2.66E-03	5.05E-04	4.26E-04	2.40E-03	1.95E-03	3.94E-04	3.78E-04	2.94E-04	1.93E-04
2605	562767.94	4234570.9	3.00E-03	2.68E-03	5.09E-04	4.29E-04	2.42E-03	1.96E-03	3.97E-04	3.81E-04	2.96E-04	1.94E-04
2606	562772.2	4234562.66	3.02E-03	2.69E-03	5.12E-04	4.31E-04	2.44E-03	1.97E-03	3.99E-04	3.83E-04	2.98E-04	1.95E-04
2607	562776.46	4234554.42	3.03E-03	2.70E-03	5.13E-04	4.33E-04	2.44E-03	1.98E-03	4.00E-04	3.84E-04	2.99E-04	1.96E-04
2608	562780.72	4234546.18	3.03E-03	2.70E-03	5.14E-04	4.33E-04	2.45E-03	1.98E-03	4.01E-04	3.84E-04	2.99E-04	1.96E-04
2609	562784.98	4234537.94	3.05E-03	2.72E-03	5.18E-04	4.37E-04	2.47E-03	2.00E-03	4.04E-04	3.88E-04	3.02E-04	1.98E-04
2610	562789.24	4234529.7	3.07E-03	2.74E-03	5.21E-04	4.39E-04	2.48E-03	2.01E-03	4.06E-04	3.89E-04	3.03E-04	1.99E-04
2611	562793.51	4234521.47	3.07E-03	2.74E-03	5.21E-04	4.39E-04	2.48E-03	2.01E-03	4.06E-04	3.90E-04	3.03E-04	1.99E-04
2612	562797.77	4234513.23	3.06E-03	2.73E-03	5.20E-04	4.38E-04	2.47E-03	2.01E-03	4.05E-04	3.89E-04	3.03E-04	1.99E-04
2613	562802.03	4234504.99	3.06E-03	2.73E-03	5.20E-04	4.38E-04	2.47E-03	2.00E-03	4.05E-04	3.89E-04	3.02E-04	1.98E-04
2614	562806.29	4234496.75	3.07E-03	2.74E-03	5.20E-04	4.39E-04	2.48E-03	2.01E-03	4.06E-04	3.89E-04	3.03E-04	1.99E-04
2615	562810.55	4234488.51	3.08E-03	2.75E-03	5.23E-04	4.40E-04	2.49E-03	2.02E-03	4.07E-04	3.91E-04	3.04E-04	2.00E-04
2616	562814.81	4234480.27	3.10E-03	2.77E-03	5.26E-04	4.43E-04	2.50E-03	2.03E-03	4.10E-04	3.93E-04	3.06E-04	2.01E-04
2617	562819.07	4234472.03	3.13E-03	2.80E-03	5.32E-04	4.48E-04	2.53E-03	2.05E-03	4.14E-04	3.98E-04	3.09E-04	2.03E-04
2618	562823.33	4234463.79	3.18E-03	2.83E-03	5.39E-04	4.54E-04	2.57E-03	2.08E-03	4.20E-04	4.03E-04	3.14E-04	2.06E-04

2619	562827.59	4234455.55	3.23E-03	2.88E-03	5.48E-04	4.62E-04	2.61E-03	2.12E-03	4.27E-04	4.10E-04	3.19E-04	2.09E-04
2620	562831.85	4234447.31	3.30E-03	2.94E-03	5.60E-04	4.72E-04	2.66E-03	2.16E-03	4.36E-04	4.19E-04	3.26E-04	2.14E-04
2621	562836.11	4234439.08	3.38E-03	3.01E-03	5.73E-04	4.83E-04	2.73E-03	2.21E-03	4.47E-04	4.29E-04	3.34E-04	2.19E-04
2622	562840.37	4234430.84	3.47E-03	3.09E-03	5.88E-04	4.96E-04	2.80E-03	2.27E-03	4.58E-04	4.40E-04	3.42E-04	2.25E-04
2623	562844.63	4234422.6	3.56E-03	3.18E-03	6.05E-04	5.10E-04	2.88E-03	2.33E-03	4.71E-04	4.52E-04	3.52E-04	2.31E-04
2624	562848.89	4234414.36	3.67E-03	3.27E-03	6.22E-04	5.24E-04	2.96E-03	2.40E-03	4.85E-04	4.65E-04	3.62E-04	2.38E-04
2625	562853.16	4234406.12	3.78E-03	3.37E-03	6.41E-04	5.40E-04	3.05E-03	2.47E-03	4.99E-04	4.79E-04	3.73E-04	2.45E-04
2626	562857.42	4234397.88	3.89E-03	3.47E-03	6.60E-04	5.56E-04	3.14E-03	2.55E-03	5.14E-04	4.94E-04	3.84E-04	2.52E-04
2627	562861.68	4234389.64	4.00E-03	3.57E-03	6.80E-04	5.73E-04	3.23E-03	2.62E-03	5.30E-04	5.08E-04	3.96E-04	2.60E-04
2628	562865.94	4234381.4	4.12E-03	3.68E-03	6.99E-04	5.89E-04	3.33E-03	2.70E-03	5.45E-04	5.23E-04	4.07E-04	2.67E-04
2629	562879.03	4234370.34	4.45E-03	3.97E-03	7.56E-04	6.37E-04	3.60E-03	2.91E-03	5.89E-04	5.65E-04	4.40E-04	2.89E-04
2630	562887.87	4234367.51	4.68E-03	4.17E-03	7.94E-04	6.69E-04	3.78E-03	3.06E-03	6.18E-04	5.93E-04	4.62E-04	3.03E-04
2631	562896.7	4234364.68	4.90E-03	4.37E-03	8.32E-04	7.01E-04	3.96E-03	3.21E-03	6.48E-04	6.22E-04	4.84E-04	3.18E-04
2632	562905.53	4234361.85	5.13E-03	4.58E-03	8.70E-04	7.34E-04	4.14E-03	3.36E-03	6.78E-04	6.51E-04	5.07E-04	3.32E-04
2633	562914.37	4234359.03	5.35E-03	4.78E-03	9.08E-04	7.66E-04	4.32E-03	3.50E-03	7.08E-04	6.79E-04	5.29E-04	3.47E-04
2634	562923.2	4234356.2	5.57E-03	4.97E-03	9.45E-04	7.97E-04	4.50E-03	3.64E-03	7.37E-04	7.07E-04	5.50E-04	3.61E-04
2635	562932.04	4234353.37	5.78E-03	5.15E-03	9.80E-04	8.26E-04	4.66E-03	3.78E-03	7.64E-04	7.33E-04	5.70E-04	3.74E-04
2636	562940.87	4234350.54	5.97E-03	5.32E-03	1.01E-03	8.53E-04	4.82E-03	3.90E-03	7.89E-04	7.57E-04	5.89E-04	3.87E-04
2637	562949.7	4234347.72	6.14E-03	5.47E-03	1.04E-03	8.78E-04	4.96E-03	4.02E-03	8.12E-04	7.79E-04	6.06E-04	3.98E-04
2638	562985.04	4234336.41	6.55E-03	5.84E-03	1.11E-03	9.36E-04	5.29E-03	4.28E-03	8.66E-04	8.31E-04	6.47E-04	4.24E-04
2639	562993.87	4234333.58	6.57E-03	5.86E-03	1.11E-03	9.39E-04	5.30E-03	4.30E-03	8.68E-04	8.33E-04	6.48E-04	4.25E-04
2640	563002.71	4234330.75	6.54E-03	5.84E-03	1.11E-03	9.36E-04	5.28E-03	4.28E-03	8.65E-04	8.30E-04	6.46E-04	4.24E-04
2641	563011.54	4234327.93	6.49E-03	5.79E-03	1.10E-03	9.28E-04	5.24E-03	4.24E-03	8.58E-04	8.23E-04	6.41E-04	4.20E-04
2642	563020.38	4234325.1	6.39E-03	5.70E-03	1.08E-03	9.14E-04	5.16E-03	4.18E-03	8.45E-04	8.11E-04	6.31E-04	4.14E-04
2643	563029.21	4234322.27	6.26E-03	5.59E-03	1.06E-03	8.95E-04	5.06E-03	4.10E-03	8.28E-04	7.94E-04	6.18E-04	4.06E-04
2644	563038.04	4234319.44	6.10E-03	5.44E-03	1.03E-03	8.72E-04	4.92E-03	3.99E-03	8.07E-04	7.74E-04	6.02E-04	3.95E-04
2645	563046.88	4234316.62	5.91E-03	5.27E-03	1.00E-03	8.45E-04	4.77E-03	3.87E-03	7.82E-04	7.50E-04	5.84E-04	3.83E-04
2646	563055.71	4234313.79	5.70E-03	5.08E-03	9.67E-04	8.15E-04	4.60E-03	3.73E-03	7.53E-04	7.23E-04	5.63E-04	3.69E-04
2647	563064.55	4234310.96	5.47E-03	4.88E-03	9.28E-04	7.82E-04	4.41E-03	3.58E-03	7.23E-04	6.94E-04	5.40E-04	3.54E-04
2648	563073.38	4234308.13	5.22E-03	4.66E-03	8.86E-04	7.47E-04	4.22E-03	3.42E-03	6.91E-04	6.63E-04	5.16E-04	3.39E-04
2649	563082.21	4234305.31	4.97E-03	4.44E-03	8.44E-04	7.11E-04	4.02E-03	3.26E-03	6.58E-04	6.31E-04	4.91E-04	3.22E-04
2650	563091.05	4234302.48	4.72E-03	4.21E-03	8.01E-04	6.75E-04	3.81E-03	3.09E-03	6.24E-04	5.99E-04	4.66E-04	3.06E-04
2651	563099.88	4234299.65	4.45E-03	3.97E-03	7.55E-04	6.36E-04	3.59E-03	2.91E-03	5.89E-04	5.65E-04	4.40E-04	2.88E-04
2652	563108.72	4234296.82	4.18E-03	3.73E-03	7.09E-04	5.98E-04	3.38E-03	2.74E-03	5.53E-04	5.30E-04	4.13E-04	2.71E-04
2653	562750.9	4234603.85	2.97E-03	2.65E-03	5.04E-04	4.25E-04	2.40E-03	1.94E-03	3.93E-04	3.77E-04	2.93E-04	1.93E-04
2654	562750.1	4234613.17	3.01E-03	2.68E-03	5.10E-04	4.30E-04	2.43E-03	1.97E-03	3.97E-04	3.81E-04	2.97E-04	1.95E-04
2655	562749.3	4234622.49	3.04E-03	2.71E-03	5.16E-04	4.35E-04	2.45E-03	1.99E-03	4.02E-04	3.86E-04	3.00E-04	1.97E-04
2656	562748.51	4234631.81	3.07E-03	2.73E-03	5.20E-04	4.38E-04	2.48E-03	2.01E-03	4.05E-04	3.89E-04	3.03E-04	1.99E-04
2657	562747.71	4234641.12	3.09E-03	2.76E-03	5.24E-04	4.42E-04	2.50E-03	2.02E-03	4.09E-04	3.92E-04	3.05E-04	2.00E-04
2658	562746.91	4234650.44	3.11E-03	2.77E-03	5.27E-04	4.44E-04	2.51E-03	2.03E-03	4.11E-04	3.94E-04	3.07E-04	2.01E-04
2659	562746.11	4234659.76	3.11E-03	2.77E-03	5.28E-04	4.45E-04	2.51E-03	2.04E-03	4.11E-04	3.95E-04	3.07E-04	2.02E-04
2660	562745.32	4234669.08	3.09E-03	2.75E-03	5.24E-04	4.42E-04	2.49E-03	2.02E-03	4.08E-04	3.92E-04	3.05E-04	2.00E-04
2661	562744.52	4234678.39	3.03E-03	2.70E-03	5.14E-04	4.33E-04	2.45E-03	1.98E-03	4.01E-04	3.84E-04	2.99E-04	1.96E-04
2662	562743.72	4234687.71	2.96E-03	2.64E-03	5.03E-04	4.24E-04	2.39E-03	1.94E-03	3.92E-04	3.76E-04	2.93E-04	1.92E-04
2663	562742.92	4234697.03	2.88E-03	2.57E-03	4.89E-04	4.12E-04	2.33E-03	1.89E-03	3.81E-04	3.66E-04	2.85E-04	1.87E-04
2664	562742.13	4234706.35	2.80E-03	2.50E-03	4.75E-04	4.00E-04	2.26E-03	1.83E-03	3.70E-04	3.55E-04	2.76E-04	1.81E-04
2665	562741.33	4234715.66	2.70E-03	2.41E-03	4.59E-04	3.87E-04	2.18E-03	1.77E-03	3.58E-04	3.43E-04	2.67E-04	1.75E-04
2666	562715.21	4234592.39	2.71E-03	2.42E-03	4.60E-04	3.88E-04	2.19E-03	1.77E-03	3.59E-04	3.44E-04	2.68E-04	1.76E-04
2667	562719.38	4234584.33	2.69E-03	2.40E-03	4.56E-04	3.84E-04	2.17E-03	1.76E-03	3.55E-04	3.41E-04	2.65E-04	1.74E-04
2668	562723.54	4234576.27	2.66E-03	2.38E-03	4.52E-04	3.81E-04	2.15E-03	1.74E-03	3.52E-04	3.38E-04	2.63E-04	1.73E-04
2669	562727.71	4234568.21	2.66E-03	2.37E-03	4.51E-04	3.80E-04	2.14E-03	1.74E-03	3.51E-04	3.37E-04	2.62E-04	1.72E-04
2670	562731.88	4234560.16	2.64E-03	2.36E-03	4.49E-04	3.78E-04	2.14E-03	1.73E-03	3.50E-04	3.36E-04	2.61E-04	1.71E-04
2671	562736.04	4234552.1	2.63E-03	2.35E-03	4.46E-04	3.76E-04	2.12E-03	1.72E-03	3.48E-04	3.34E-04	2.60E-04	1.70E-04
2672	562740.21	4234544.04	2.62E-03	2.34E-03	4.45E-04	3.75E-04	2.12E-03	1.72E-03	3.47E-04	3.33E-04	2.59E-04	1.70E-04
2673	562744.38	4234535.99	2.64E-03	2.36E-03	4.48E-04	3.78E-04	2.13E-03	1.73E-03	3.50E-04	3.35E-04	2.61E-04	1.71E-04
2674	562748.54	4234527.93	2.66E-03	2.38E-03	4.52E-04	3.81E-04	2.15E-03	1.74E-03	3.52E-04	3.38E-04	2.63E-04	1.73E-04
2675	562752.71	4234519.87	2.68E-03	2.39E-03	4.55E-04	3.84E-04	2.17E-03	1.76E-03	3.55E-04	3.41E-04	2.65E-04	1.74E-04
2676	562756.88	4234511.81	2.68E-03	2.39E-03	4.55E-04	3.84E-04	2.17E-03	1.76E-03	3.55E-04	3.40E-04	2.65E-04	1.74E-04
2677	562761.04	4234503.76	2.67E-03	2.38E-03	4.53E-04	3.82E-04	2.15E-03	1.75E-03	3.53E-04	3.39E-04	2.63E-04	1.73E-04
2678	562765.21	4234495.7	2.65E-03	2.37E-03	4.50E-04	3.80E-04	2.14E-03	1.74E-03	3.51E-04	3.37E-04	2.62E-04	1.72E-04
2679	562769.38	4234487.64	2.65E-03	2.36E-03	4.49E-04	3.78E-04	2.14E-03	1.73E-03	3.50E-04	3.36E-04	2.61E-04	1.71E-04
2680	562773.55	4234479.59	2.64E-03	2.36E-03	4.48E-04	3.78E-04	2.13E-03	1.73E-03	3.49E-04	3.35E-04	2.61E-04	1.71E-04
2681	562777.71	4234471.53	2.64E-03	2.36E-03	4.49E-04	3.78E-04	2.13E-03	1.73E-03	3.50E-04	3.35E-04	2.61E-04	1.71E-04
2682	562781.88	4234463.47	2.65E-03	2.37E-03	4.50E-04	3.80E-04	2.14E-03	1.74E-03	3.51E-04	3.37E-04	2.62E-04	1.72E-04
2683	562786.05	4234455.41	2.67E-03	2.38E-03	4.53E-04	3.82E-04	2.16E-03	1.75E-03	3.53E-04	3.39E-04	2.64E-04	1.73E-04
2684	562790.21	4234447.36	2.70E-03	2.41E-03	4.58E-04	3.86E-04	2.18E-03	1.77E-03	3.57E-04	3.43E-04	2.67E-04	1.75E-04
2685	562794.38	4234439.3	2.74E-03	2.44E-03	4.64E-04	3.91E-04	2.21E-03	1.79E-03	3.62E-04	3.47E-04	2.70E-04	1.77E-04
2686	562798.55	4234431.24	2.78E-03	2.48E-03	4.72E-04	3.98E-04	2.25E-03	1.82E-03	3.68E-04	3.53E-04	2.75E-04	1.80E-04
2687	562802.71	4234423.19	2.84E-03	2.53E-03	4.82E-04	4.06E-04	2.29E-03	1.86E-03	3.75E-04	3.60E-04	2.80E-04	1.84E-04

2688	562806.88	4234415.13	2.90E-03	2.59E-03	4.92E-04	4.15E-04	2.34E-03	1.90E-03	3.84E-04	3.68E-04	2.87E-04	1.88E-04
2689	562811.05	4234407.07	2.97E-03	2.65E-03	5.05E-04	4.25E-04	2.40E-03	1.95E-03	3.93E-04	3.77E-04	2.94E-04	1.93E-04
2690	562815.21	4234399.01	3.05E-03	2.72E-03	5.18E-04	4.37E-04	2.47E-03	2.00E-03	4.04E-04	3.87E-04	3.02E-04	1.98E-04
2691	562819.38	4234390.96	3.14E-03	2.80E-03	5.32E-04	4.49E-04	2.53E-03	2.05E-03	4.15E-04	3.98E-04	3.10E-04	2.03E-04
2692	562823.55	4234382.9	3.23E-03	2.88E-03	5.48E-04	4.62E-04	2.61E-03	2.11E-03	4.27E-04	4.10E-04	3.19E-04	2.09E-04
2693	562827.71	4234374.84	3.32E-03	2.96E-03	5.63E-04	4.75E-04	2.68E-03	2.17E-03	4.39E-04	4.21E-04	3.28E-04	2.15E-04
2694	562831.88	4234366.78	3.42E-03	3.05E-03	5.79E-04	4.88E-04	2.76E-03	2.23E-03	4.52E-04	4.33E-04	3.37E-04	2.21E-04
2695	562836.05	4234358.73	3.51E-03	3.13E-03	5.96E-04	5.02E-04	2.84E-03	2.30E-03	4.64E-04	4.46E-04	3.47E-04	2.28E-04
2696	562840.21	4234350.67	3.61E-03	3.22E-03	6.12E-04	5.16E-04	2.91E-03	2.36E-03	4.77E-04	4.58E-04	3.56E-04	2.34E-04
2697	562853.02	4234339.85	3.88E-03	3.46E-03	6.59E-04	5.55E-04	3.13E-03	2.54E-03	5.13E-04	4.93E-04	3.83E-04	2.52E-04
2698	562861.66	4234337.08	4.07E-03	3.63E-03	6.90E-04	5.81E-04	3.28E-03	2.66E-03	5.38E-04	5.16E-04	4.02E-04	2.64E-04
2699	562878.94	4234331.55	4.44E-03	3.96E-03	7.54E-04	6.35E-04	3.59E-03	2.91E-03	5.87E-04	5.64E-04	4.39E-04	2.88E-04
2700	562896.21	4234326.02	4.81E-03	4.29E-03	8.17E-04	6.88E-04	3.89E-03	3.15E-03	6.37E-04	6.11E-04	4.75E-04	3.12E-04
2701	562904.85	4234323.26	4.99E-03	4.45E-03	8.47E-04	7.14E-04	4.03E-03	3.27E-03	6.60E-04	6.34E-04	4.93E-04	3.24E-04
2702	562913.49	4234320.49	5.16E-03	4.61E-03	8.76E-04	7.39E-04	4.17E-03	3.38E-03	6.83E-04	6.55E-04	5.10E-04	3.35E-04
2703	562922.13	4234317.73	5.32E-03	4.75E-03	9.03E-04	7.61E-04	4.30E-03	3.48E-03	7.04E-04	6.76E-04	5.26E-04	3.45E-04
2704	562939.41	4234312.2	5.60E-03	4.99E-03	9.50E-04	8.01E-04	4.52E-03	3.66E-03	7.40E-04	7.10E-04	5.53E-04	3.63E-04
2705	562956.69	4234306.67	5.79E-03	5.17E-03	9.82E-04	8.28E-04	4.68E-03	3.79E-03	7.66E-04	7.35E-04	5.72E-04	3.75E-04
2706	562991.24	4234295.61	5.86E-03	5.23E-03	9.94E-04	8.38E-04	4.73E-03	3.83E-03	7.75E-04	7.43E-04	5.78E-04	3.80E-04
2707	563008.52	4234290.08	5.72E-03	5.10E-03	9.70E-04	8.18E-04	4.62E-03	3.74E-03	7.56E-04	7.26E-04	5.65E-04	3.71E-04
2708	563017.16	4234287.31	5.61E-03	5.00E-03	9.52E-04	8.02E-04	4.53E-03	3.67E-03	7.42E-04	7.12E-04	5.54E-04	3.63E-04
2709	563025.8	4234284.55	5.47E-03	4.88E-03	9.29E-04	7.83E-04	4.42E-03	3.58E-03	7.24E-04	6.94E-04	5.41E-04	3.55E-04
2710	563043.08	4234279.02	5.14E-03	4.59E-03	8.73E-04	7.35E-04	4.15E-03	3.37E-03	6.80E-04	6.53E-04	5.08E-04	3.33E-04
2711	563060.36	4234273.49	4.75E-03	4.24E-03	8.07E-04	6.80E-04	3.84E-03	3.11E-03	6.29E-04	6.03E-04	4.69E-04	3.08E-04
2712	563069	4234270.72	4.54E-03	4.05E-03	7.71E-04	6.50E-04	3.67E-03	2.97E-03	6.01E-04	5.77E-04	4.49E-04	2.95E-04
2713	563086.27	4234265.19	4.10E-03	3.66E-03	6.96E-04	5.87E-04	3.31E-03	2.68E-03	5.43E-04	5.21E-04	4.05E-04	2.66E-04
2714	563094.91	4234262.43	3.88E-03	3.46E-03	6.59E-04	5.55E-04	3.13E-03	2.54E-03	5.13E-04	4.92E-04	3.83E-04	2.52E-04
2715	563103.55	4234259.66	3.67E-03	3.27E-03	6.22E-04	5.24E-04	2.96E-03	2.40E-03	4.85E-04	4.65E-04	3.62E-04	2.38E-04
2716	562711.04	4234600.44	2.74E-03	2.45E-03	4.65E-04	3.92E-04	2.22E-03	1.80E-03	3.63E-04	3.48E-04	2.71E-04	1.78E-04
2717	562710.25	4234609.76	2.78E-03	2.48E-03	4.72E-04	3.98E-04	2.25E-03	1.82E-03	3.68E-04	3.53E-04	2.75E-04	1.80E-04
2718	562709.45	4234619.08	2.80E-03	2.50E-03	4.75E-04	4.01E-04	2.26E-03	1.83E-03	3.70E-04	3.55E-04	2.77E-04	1.82E-04
2719	562708.65	4234628.4	2.81E-03	2.50E-03	4.76E-04	4.01E-04	2.27E-03	1.84E-03	3.71E-04	3.56E-04	2.77E-04	1.82E-04
2720	562707.85	4234637.71	2.80E-03	2.50E-03	4.75E-04	4.00E-04	2.26E-03	1.83E-03	3.70E-04	3.55E-04	2.76E-04	1.81E-04
2721	562707.06	4234647.03	2.77E-03	2.48E-03	4.71E-04	3.97E-04	2.24E-03	1.82E-03	3.67E-04	3.52E-04	2.74E-04	1.80E-04
2722	562706.26	4234656.35	2.74E-03	2.44E-03	4.65E-04	3.92E-04	2.21E-03	1.79E-03	3.62E-04	3.48E-04	2.71E-04	1.78E-04
2723	562705.46	4234665.67	2.70E-03	2.41E-03	4.58E-04	3.86E-04	2.18E-03	1.76E-03	3.57E-04	3.42E-04	2.66E-04	1.75E-04
2724	562704.66	4234674.98	2.64E-03	2.36E-03	4.49E-04	3.78E-04	2.14E-03	1.73E-03	3.50E-04	3.36E-04	2.61E-04	1.71E-04
2725	562703.87	4234684.3	2.58E-03	2.30E-03	4.38E-04	3.69E-04	2.09E-03	1.69E-03	3.42E-04	3.28E-04	2.55E-04	1.67E-04
2726	562703.07	4234693.62	2.51E-03	2.24E-03	4.27E-04	3.60E-04	2.03E-03	1.65E-03	3.33E-04	3.19E-04	2.48E-04	1.63E-04
2727	562702.27	4234702.94	2.44E-03	2.18E-03	4.14E-04	3.49E-04	1.97E-03	1.60E-03	3.23E-04	3.10E-04	2.41E-04	1.58E-04
2728	562701.47	4234712.25	2.36E-03	2.11E-03	4.00E-04	3.37E-04	1.91E-03	1.54E-03	3.12E-04	2.99E-04	2.33E-04	1.53E-04
2729	562675.4	4234588.89	2.41E-03	2.15E-03	4.10E-04	3.45E-04	1.95E-03	1.58E-03	3.19E-04	3.06E-04	2.38E-04	1.56E-04
2730	562679.61	4234580.75	2.42E-03	2.16E-03	4.10E-04	3.46E-04	1.95E-03	1.58E-03	3.20E-04	3.07E-04	2.39E-04	1.57E-04
2731	562683.82	4234572.61	2.41E-03	2.15E-03	4.09E-04	3.45E-04	1.95E-03	1.58E-03	3.19E-04	3.06E-04	2.38E-04	1.56E-04
2732	562688.03	4234564.46	2.40E-03	2.14E-03	4.08E-04	3.44E-04	1.94E-03	1.57E-03	3.18E-04	3.05E-04	2.37E-04	1.56E-04
2733	562692.24	4234556.32	2.39E-03	2.13E-03	4.06E-04	3.42E-04	1.93E-03	1.57E-03	3.16E-04	3.04E-04	2.36E-04	1.55E-04
2734	562696.45	4234548.18	2.38E-03	2.12E-03	4.04E-04	3.40E-04	1.92E-03	1.56E-03	3.14E-04	3.02E-04	2.35E-04	1.54E-04
2735	562700.66	4234540.04	2.36E-03	2.11E-03	4.01E-04	3.38E-04	1.91E-03	1.55E-03	3.12E-04	3.00E-04	2.33E-04	1.53E-04
2736	562704.87	4234531.9	2.35E-03	2.09E-03	3.98E-04	3.35E-04	1.89E-03	1.53E-03	3.10E-04	2.98E-04	2.32E-04	1.52E-04
2737	562709.09	4234523.75	2.34E-03	2.09E-03	3.97E-04	3.34E-04	1.89E-03	1.53E-03	3.09E-04	2.97E-04	2.31E-04	1.52E-04
2738	562713.3	4234515.61	2.34E-03	2.09E-03	3.97E-04	3.35E-04	1.89E-03	1.53E-03	3.09E-04	2.97E-04	2.31E-04	1.52E-04
2739	562717.51	4234507.47	2.33E-03	2.08E-03	3.96E-04	3.34E-04	1.89E-03	1.53E-03	3.09E-04	2.96E-04	2.31E-04	1.51E-04
2740	562721.72	4234499.33	2.33E-03	2.08E-03	3.95E-04	3.33E-04	1.88E-03	1.52E-03	3.08E-04	2.96E-04	2.30E-04	1.51E-04
2741	562725.93	4234491.19	2.33E-03	2.08E-03	3.95E-04	3.33E-04	1.88E-03	1.52E-03	3.08E-04	2.95E-04	2.30E-04	1.51E-04
2742	562730.14	4234483.04	2.32E-03	2.07E-03	3.94E-04	3.32E-04	1.88E-03	1.52E-03	3.07E-04	2.95E-04	2.29E-04	1.51E-04
2743	562734.35	4234474.9	2.32E-03	2.07E-03	3.94E-04	3.32E-04	1.87E-03	1.52E-03	3.07E-04	2.95E-04	2.29E-04	1.50E-04
2744	562738.56	4234466.76	2.31E-03	2.06E-03	3.92E-04	3.30E-04	1.86E-03	1.51E-03	3.05E-04	2.93E-04	2.28E-04	1.50E-04
2745	562742.77	4234458.62	2.30E-03	2.05E-03	3.91E-04	3.29E-04	1.86E-03	1.51E-03	3.04E-04	2.92E-04	2.27E-04	1.49E-04
2746	562746.98	4234450.48	2.30E-03	2.05E-03	3.90E-04	3.29E-04	1.86E-03	1.51E-03	3.04E-04	2.92E-04	2.27E-04	1.49E-04
2747	562751.19	4234442.33	2.31E-03	2.06E-03	3.91E-04	3.30E-04	1.86E-03	1.51E-03	3.05E-04	2.93E-04	2.28E-04	1.50E-04
2748	562755.4	4234434.19	2.32E-03	2.07E-03	3.94E-04	3.32E-04	1.87E-03	1.52E-03	3.07E-04	2.94E-04	2.29E-04	1.50E-04
2749	562759.61	4234426.05	2.34E-03	2.09E-03	3.97E-04	3.35E-04	1.89E-03	1.53E-03	3.10E-04	2.97E-04	2.31E-04	1.52E-04
2750	562763.82	4234417.91	2.37E-03	2.12E-03	4.02E-04	3.39E-04	1.91E-03	1.55E-03	3.14E-04	3.01E-04	2.34E-04	1.54E-04
2751	562768.03	4234409.77	2.41E-03	2.15E-03	4.09E-04	3.44E-04	1.94E-03	1.58E-03	3.19E-04	3.06E-04	2.38E-04	1.56E-04
2752	562772.24	4234401.62	2.45E-03	2.19E-03	4.16E-04	3.51E-04	1.98E-03	1.61E-03	3.25E-04	3.11E-04	2.42E-04	1.59E-04
2753	562776.45	4234393.48	2.51E-03	2.24E-03	4.25E-04	3.59E-04	2.02E-03	1.64E-03	3.32E-04	3.18E-04	2.48E-04	1.62E-04
2754	562780.67	4234385.34	2.57E-03	2.29E-03	4.36E-04	3.67E-04	2.07E-03	1.68E-03	3.39E-04	3.26E-04	2.53E-04	1.66E-04
2755	562784.88	4234377.2	2.63E-03	2.35E-03	4.47E-04	3.76E-04	2.13E-03	1.72E-03	3.48E-04	3.34E-04	2.60E-04	1.71E-04
2756	562789.09	4234369.06	2.70E-03	2.41E-03	4.59E-04	3.87E-04	2.18E-03	1.77E-03	3.57E-04	3.43E-04	2.67E-04	1.75E-04

2757	562793.3	4234360.91	2.78E-03	2.48E-03	4.71E-04	3.97E-04	2.24E-03	1.82E-03	3.67E-04	3.53E-04	2.74E-04	1.80E-04
2758	562797.51	4234352.77	2.86E-03	2.55E-03	4.85E-04	4.09E-04	2.31E-03	1.87E-03	3.78E-04	3.62E-04	2.82E-04	1.85E-04
2759	562801.72	4234344.63	2.94E-03	2.62E-03	4.98E-04	4.20E-04	2.37E-03	1.92E-03	3.88E-04	3.73E-04	2.90E-04	1.90E-04
2760	562805.93	4234336.49	3.02E-03	2.69E-03	5.12E-04	4.32E-04	2.44E-03	1.98E-03	3.99E-04	3.83E-04	2.98E-04	1.96E-04
2761	562810.14	4234328.35	3.10E-03	2.77E-03	5.26E-04	4.44E-04	2.51E-03	2.03E-03	4.10E-04	3.94E-04	3.06E-04	2.01E-04
2762	562814.35	4234320.2	3.19E-03	2.84E-03	5.41E-04	4.56E-04	2.57E-03	2.08E-03	4.21E-04	4.04E-04	3.15E-04	2.06E-04
2763	562827.29	4234309.27	3.42E-03	3.05E-03	5.81E-04	4.89E-04	2.76E-03	2.24E-03	4.52E-04	4.34E-04	3.38E-04	2.22E-04
2764	562836.02	4234306.47	3.58E-03	3.19E-03	6.07E-04	5.12E-04	2.89E-03	2.34E-03	4.73E-04	4.54E-04	3.53E-04	2.32E-04
2765	562844.75	4234303.68	3.74E-03	3.34E-03	6.34E-04	5.35E-04	3.02E-03	2.45E-03	4.94E-04	4.74E-04	3.69E-04	2.42E-04
2766	562853.48	4234300.89	3.90E-03	3.48E-03	6.62E-04	5.58E-04	3.15E-03	2.55E-03	5.16E-04	4.95E-04	3.85E-04	2.53E-04
2767	562862.21	4234298.09	4.06E-03	3.63E-03	6.90E-04	5.81E-04	3.28E-03	2.66E-03	5.38E-04	5.16E-04	4.01E-04	2.63E-04
2768	562870.94	4234295.3	4.23E-03	3.77E-03	7.17E-04	6.04E-04	3.41E-03	2.77E-03	5.59E-04	5.36E-04	4.17E-04	2.74E-04
2769	562879.67	4234292.5	4.39E-03	3.91E-03	7.44E-04	6.27E-04	3.54E-03	2.87E-03	5.80E-04	5.56E-04	4.33E-04	2.84E-04
2770	562888.4	4234289.71	4.54E-03	4.05E-03	7.70E-04	6.49E-04	3.67E-03	2.97E-03	6.00E-04	5.76E-04	4.48E-04	2.94E-04
2771	562897.13	4234286.91	4.69E-03	4.18E-03	7.95E-04	6.70E-04	3.78E-03	3.07E-03	6.20E-04	5.95E-04	4.63E-04	3.04E-04
2772	562905.86	4234284.12	4.82E-03	4.30E-03	8.18E-04	6.90E-04	3.89E-03	3.16E-03	6.38E-04	6.12E-04	4.76E-04	3.13E-04
2773	562914.59	4234281.33	4.95E-03	4.41E-03	8.40E-04	7.08E-04	4.00E-03	3.24E-03	6.54E-04	6.28E-04	4.89E-04	3.21E-04
2774	562923.32	4234278.53	5.06E-03	4.51E-03	8.58E-04	7.23E-04	4.08E-03	3.31E-03	6.69E-04	6.42E-04	5.00E-04	3.28E-04
2775	562932.05	4234275.74	5.15E-03	4.60E-03	8.74E-04	7.37E-04	4.16E-03	3.37E-03	6.81E-04	6.54E-04	5.09E-04	3.34E-04
2776	562940.78	4234272.94	5.23E-03	4.66E-03	8.87E-04	7.47E-04	4.22E-03	3.42E-03	6.91E-04	6.63E-04	5.16E-04	3.39E-04
2777	562949.51	4234270.15	5.28E-03	4.71E-03	8.96E-04	7.55E-04	4.26E-03	3.45E-03	6.98E-04	6.70E-04	5.21E-04	3.42E-04
2778	562958.24	4234267.35	5.31E-03	4.74E-03	9.01E-04	7.59E-04	4.29E-03	3.47E-03	7.02E-04	6.74E-04	5.24E-04	3.44E-04
2779	562966.97	4234264.56	5.32E-03	4.74E-03	9.02E-04	7.60E-04	4.29E-03	3.48E-03	7.03E-04	6.74E-04	5.25E-04	3.44E-04
2780	562993.16	4234256.18	5.19E-03	4.63E-03	8.80E-04	7.42E-04	4.19E-03	3.40E-03	6.86E-04	6.58E-04	5.12E-04	3.36E-04
2781	563001.89	4234253.38	5.10E-03	4.55E-03	8.65E-04	7.29E-04	4.12E-03	3.34E-03	6.74E-04	6.47E-04	5.04E-04	3.30E-04
2782	563010.62	4234250.59	4.99E-03	4.45E-03	8.47E-04	7.14E-04	4.03E-03	3.26E-03	6.60E-04	6.33E-04	4.93E-04	3.23E-04
2783	563019.35	4234247.8	4.86E-03	4.34E-03	8.25E-04	6.95E-04	3.92E-03	3.18E-03	6.43E-04	6.17E-04	4.80E-04	3.15E-04
2784	563028.08	4234245	4.72E-03	4.21E-03	8.00E-04	6.74E-04	3.81E-03	3.09E-03	6.24E-04	5.98E-04	4.66E-04	3.06E-04
2785	563036.81	4234242.21	4.56E-03	4.06E-03	7.73E-04	6.52E-04	3.68E-03	2.98E-03	6.03E-04	5.78E-04	4.50E-04	2.95E-04
2786	563045.54	4234239.41	4.39E-03	3.91E-03	7.44E-04	6.27E-04	3.54E-03	2.87E-03	5.80E-04	5.57E-04	4.33E-04	2.84E-04
2787	563054.27	4234236.62	4.21E-03	3.76E-03	7.15E-04	6.02E-04	3.40E-03	2.76E-03	5.57E-04	5.34E-04	4.16E-04	2.73E-04
2788	563063	4234233.82	4.03E-03	3.60E-03	6.84E-04	5.76E-04	3.25E-03	2.64E-03	5.33E-04	5.11E-04	3.98E-04	2.61E-04
2789	563071.73	4234231.03	3.83E-03	3.41E-03	6.49E-04	5.47E-04	3.09E-03	2.50E-03	5.06E-04	4.85E-04	3.78E-04	2.48E-04
2790	563080.46	4234228.24	3.62E-03	3.23E-03	6.15E-04	5.18E-04	2.93E-03	2.37E-03	4.79E-04	4.60E-04	3.58E-04	2.35E-04
2791	563089.19	4234225.44	3.43E-03	3.06E-03	5.81E-04	4.90E-04	2.77E-03	2.24E-03	4.53E-04	4.35E-04	3.38E-04	2.22E-04
2792	563097.92	4234222.65	3.25E-03	2.90E-03	5.51E-04	4.64E-04	2.62E-03	2.13E-03	4.29E-04	4.12E-04	3.21E-04	2.10E-04
2793	563106.65	4234219.85	3.09E-03	2.75E-03	5.24E-04	4.41E-04	2.49E-03	2.02E-03	4.08E-04	3.92E-04	3.05E-04	2.00E-04
2794	563115.38	4234217.06	2.93E-03	2.62E-03	4.98E-04	4.20E-04	2.37E-03	1.92E-03	3.88E-04	3.72E-04	2.90E-04	1.90E-04
2795	562671.19	4234597.03	2.40E-03	2.14E-03	4.08E-04	3.44E-04	1.94E-03	1.57E-03	3.18E-04	3.05E-04	2.37E-04	1.56E-04
2796	562670.39	4234606.35	2.41E-03	2.15E-03	4.09E-04	3.45E-04	1.95E-03	1.58E-03	3.19E-04	3.06E-04	2.38E-04	1.56E-04
2797	562669.6	4234615.67	2.41E-03	2.15E-03	4.09E-04	3.45E-04	1.94E-03	1.58E-03	3.19E-04	3.06E-04	2.38E-04	1.56E-04
2798	562668.8	4234624.98	2.40E-03	2.14E-03	4.07E-04	3.43E-04	1.94E-03	1.57E-03	3.17E-04	3.05E-04	2.37E-04	1.56E-04
2799	562668	4234634.3	2.38E-03	2.13E-03	4.04E-04	3.41E-04	1.92E-03	1.56E-03	3.15E-04	3.02E-04	2.35E-04	1.54E-04
2800	562667.2	4234643.62	2.36E-03	2.10E-03	4.00E-04	3.37E-04	1.90E-03	1.54E-03	3.12E-04	2.99E-04	2.33E-04	1.53E-04
2801	562666.41	4234652.94	2.33E-03	2.07E-03	3.95E-04	3.33E-04	1.88E-03	1.52E-03	3.08E-04	2.95E-04	2.30E-04	1.51E-04
2802	562665.61	4234662.25	2.29E-03	2.04E-03	3.88E-04	3.27E-04	1.85E-03	1.50E-03	3.02E-04	2.90E-04	2.26E-04	1.48E-04
2803	562664.81	4234671.57	2.25E-03	2.01E-03	3.82E-04	3.22E-04	1.82E-03	1.47E-03	2.98E-04	2.86E-04	2.22E-04	1.46E-04
2804	562664.01	4234680.89	2.22E-03	1.98E-03	3.77E-04	3.17E-04	1.79E-03	1.45E-03	2.93E-04	2.82E-04	2.19E-04	1.44E-04
2805	562663.22	4234690.21	2.18E-03	1.94E-03	3.70E-04	3.12E-04	1.76E-03	1.43E-03	2.88E-04	2.76E-04	2.15E-04	1.41E-04
2806	562662.42	4234699.52	2.12E-03	1.90E-03	3.61E-04	3.04E-04	1.72E-03	1.39E-03	2.81E-04	2.70E-04	2.10E-04	1.38E-04
2807	562661.62	4234708.84	2.05E-03	1.83E-03	3.48E-04	2.94E-04	1.66E-03	1.34E-03	2.72E-04	2.61E-04	2.03E-04	1.33E-04
2808	562635.58	4234585.41	2.22E-03	1.98E-03	3.77E-04	3.17E-04	1.79E-03	1.45E-03	2.94E-04	2.82E-04	2.19E-04	1.44E-04
2809	562639.83	4234577.19	2.21E-03	1.97E-03	3.75E-04	3.16E-04	1.79E-03	1.45E-03	2.92E-04	2.81E-04	2.18E-04	1.43E-04
2810	562644.08	4234568.98	2.20E-03	1.96E-03	3.73E-04	3.14E-04	1.77E-03	1.44E-03	2.91E-04	2.79E-04	2.17E-04	1.42E-04
2811	562648.33	4234560.77	2.19E-03	1.96E-03	3.72E-04	3.14E-04	1.77E-03	1.44E-03	2.90E-04	2.78E-04	2.17E-04	1.42E-04
2812	562652.57	4234552.55	2.18E-03	1.95E-03	3.71E-04	3.12E-04	1.76E-03	1.43E-03	2.89E-04	2.77E-04	2.16E-04	1.42E-04
2813	562656.82	4234544.34	2.17E-03	1.94E-03	3.69E-04	3.11E-04	1.75E-03	1.42E-03	2.87E-04	2.76E-04	2.15E-04	1.41E-04
2814	562661.07	4234536.13	2.16E-03	1.92E-03	3.66E-04	3.09E-04	1.74E-03	1.41E-03	2.85E-04	2.74E-04	2.13E-04	1.40E-04
2815	562665.32	4234527.91	2.14E-03	1.91E-03	3.63E-04	3.06E-04	1.73E-03	1.40E-03	2.83E-04	2.72E-04	2.11E-04	1.39E-04
2816	562669.56	4234519.7	2.12E-03	1.89E-03	3.60E-04	3.03E-04	1.71E-03	1.39E-03	2.80E-04	2.69E-04	2.09E-04	1.37E-04
2817	562673.81	4234511.49	2.10E-03	1.87E-03	3.56E-04	3.00E-04	1.69E-03	1.37E-03	2.78E-04	2.66E-04	2.07E-04	1.36E-04
2818	562678.06	4234503.27	2.08E-03	1.85E-03	3.52E-04	2.97E-04	1.68E-03	1.36E-03	2.75E-04	2.64E-04	2.05E-04	1.35E-04
2819	562682.31	4234495.06	2.05E-03	1.83E-03	3.49E-04	2.94E-04	1.66E-03	1.34E-03	2.72E-04	2.61E-04	2.03E-04	1.33E-04
2820	562686.55	4234486.85	2.03E-03	1.81E-03	3.45E-04	2.91E-04	1.64E-03	1.33E-03	2.69E-04	2.58E-04	2.01E-04	1.32E-04
2821	562690.8	4234478.63	2.01E-03	1.79E-03	3.41E-04	2.87E-04	1.62E-03	1.32E-03	2.66E-04	2.55E-04	1.98E-04	1.30E-04
2822	562695.05	4234470.42	1.99E-03	1.77E-03	3.37E-04	2.84E-04	1.61E-03	1.30E-03	2.63E-04	2.52E-04	1.96E-04	1.29E-04
2823	562699.3	4234462.21	1.97E-03	1.76E-03	3.34E-04	2.82E-04	1.59E-03	1.29E-03	2.61E-04	2.50E-04	1.95E-04	1.28E-04
2824	562703.54	4234453.99	1.95E-03	1.74E-03	3.32E-04	2.79E-04	1.58E-03	1.28E-03	2.58E-04	2.48E-04	1.93E-04	1.27E-04
2825	562707.79	4234445.78	1.95E-03	1.74E-03	3.32E-04	2.79E-04	1.58E-03	1.28E-03	2.58E-04	2.48E-04	1.93E-04	1.27E-04

2826	562712.04	4234437.57	1.96E-03	1.75E-03	3.32E-04	2.80E-04	1.58E-03	1.28E-03	2.59E-04	2.49E-04	1.94E-04	1.27E-04
2827	562716.29	4234429.35	1.97E-03	1.76E-03	3.34E-04	2.82E-04	1.59E-03	1.29E-03	2.60E-04	2.50E-04	1.95E-04	1.28E-04
2828	562720.53	4234421.14	1.99E-03	1.77E-03	3.37E-04	2.84E-04	1.60E-03	1.30E-03	2.63E-04	2.52E-04	1.96E-04	1.29E-04
2829	562724.78	4234412.93	2.01E-03	1.79E-03	3.41E-04	2.87E-04	1.62E-03	1.31E-03	2.66E-04	2.55E-04	1.98E-04	1.30E-04
2830	562729.03	4234404.71	2.04E-03	1.82E-03	3.46E-04	2.92E-04	1.65E-03	1.33E-03	2.70E-04	2.59E-04	2.01E-04	1.32E-04
2831	562733.28	4234396.5	2.08E-03	1.85E-03	3.52E-04	2.97E-04	1.68E-03	1.36E-03	2.74E-04	2.63E-04	2.05E-04	1.34E-04
2832	562737.52	4234388.29	2.11E-03	1.88E-03	3.58E-04	3.01E-04	1.70E-03	1.38E-03	2.79E-04	2.67E-04	2.08E-04	1.37E-04
2833	562741.77	4234380.07	2.14E-03	1.91E-03	3.64E-04	3.07E-04	1.73E-03	1.40E-03	2.84E-04	2.72E-04	2.12E-04	1.39E-04
2834	562746.02	4234371.86	2.19E-03	1.95E-03	3.71E-04	3.13E-04	1.77E-03	1.43E-03	2.89E-04	2.78E-04	2.16E-04	1.42E-04
2835	562750.27	4234363.65	2.24E-03	2.00E-03	3.80E-04	3.20E-04	1.81E-03	1.47E-03	2.96E-04	2.84E-04	2.21E-04	1.45E-04
2836	562754.51	4234355.43	2.29E-03	2.05E-03	3.89E-04	3.28E-04	1.85E-03	1.50E-03	3.03E-04	2.91E-04	2.27E-04	1.49E-04
2837	562758.76	4234347.22	2.35E-03	2.10E-03	3.99E-04	3.36E-04	1.90E-03	1.54E-03	3.11E-04	2.99E-04	2.32E-04	1.52E-04
2838	562763.01	4234339	2.42E-03	2.16E-03	4.10E-04	3.46E-04	1.95E-03	1.58E-03	3.20E-04	3.07E-04	2.39E-04	1.57E-04
2839	562767.26	4234330.79	2.48E-03	2.21E-03	4.21E-04	3.55E-04	2.00E-03	1.62E-03	3.28E-04	3.15E-04	2.45E-04	1.61E-04
2840	562771.5	4234322.58	2.55E-03	2.28E-03	4.33E-04	3.65E-04	2.06E-03	1.67E-03	3.37E-04	3.24E-04	2.52E-04	1.65E-04
2841	562775.75	4234314.36	2.62E-03	2.34E-03	4.45E-04	3.75E-04	2.12E-03	1.72E-03	3.47E-04	3.33E-04	2.59E-04	1.70E-04
2842	562780	4234306.15	2.69E-03	2.40E-03	4.57E-04	3.85E-04	2.17E-03	1.76E-03	3.56E-04	3.42E-04	2.66E-04	1.75E-04
2843	562784.25	4234297.94	2.77E-03	2.47E-03	4.69E-04	3.95E-04	2.23E-03	1.81E-03	3.66E-04	3.51E-04	2.73E-04	1.79E-04
2844	562788.49	4234289.72	2.84E-03	2.53E-03	4.81E-04	4.06E-04	2.29E-03	1.86E-03	3.75E-04	3.60E-04	2.80E-04	1.84E-04
2845	562801.55	4234278.69	3.04E-03	2.71E-03	5.16E-04	4.35E-04	2.45E-03	1.99E-03	4.02E-04	3.86E-04	3.00E-04	1.97E-04
2846	562810.35	4234275.87	3.18E-03	2.83E-03	5.39E-04	4.54E-04	2.56E-03	2.08E-03	4.20E-04	4.03E-04	3.14E-04	2.06E-04
2847	562819.16	4234273.05	3.31E-03	2.96E-03	5.62E-04	4.74E-04	2.68E-03	2.17E-03	4.38E-04	4.20E-04	3.27E-04	2.15E-04
2848	562827.97	4234270.24	3.45E-03	3.08E-03	5.86E-04	4.94E-04	2.79E-03	2.26E-03	4.57E-04	4.38E-04	3.41E-04	2.24E-04
2849	562836.77	4234267.42	3.60E-03	3.21E-03	6.10E-04	5.14E-04	2.90E-03	2.35E-03	4.76E-04	4.56E-04	3.55E-04	2.33E-04
2850	562845.58	4234264.6	3.74E-03	3.33E-03	6.34E-04	5.35E-04	3.02E-03	2.45E-03	4.94E-04	4.74E-04	3.69E-04	2.42E-04
2851	562854.39	4234261.78	3.88E-03	3.46E-03	6.58E-04	5.55E-04	3.13E-03	2.54E-03	5.13E-04	4.92E-04	3.83E-04	2.51E-04
2852	562863.19	4234258.96	4.02E-03	3.58E-03	6.81E-04	5.74E-04	3.24E-03	2.63E-03	5.31E-04	5.10E-04	3.97E-04	2.60E-04
2853	562872	4234256.14	4.15E-03	3.70E-03	7.04E-04	5.93E-04	3.35E-03	2.72E-03	5.49E-04	5.26E-04	4.10E-04	2.69E-04
2854	562880.81	4234253.32	4.28E-03	3.81E-03	7.26E-04	6.12E-04	3.45E-03	2.80E-03	5.65E-04	5.43E-04	4.22E-04	2.77E-04
2855	562889.61	4234250.51	4.39E-03	3.92E-03	7.46E-04	6.28E-04	3.55E-03	2.88E-03	5.81E-04	5.58E-04	4.34E-04	2.85E-04
2856	562898.42	4234247.69	4.50E-03	4.02E-03	7.64E-04	6.44E-04	3.64E-03	2.95E-03	5.95E-04	5.71E-04	4.45E-04	2.92E-04
2857	562907.23	4234244.87	4.60E-03	4.10E-03	7.80E-04	6.58E-04	3.71E-03	3.01E-03	6.08E-04	5.84E-04	4.54E-04	2.98E-04
2858	562916.03	4234242.05	4.68E-03	4.18E-03	7.94E-04	6.69E-04	3.78E-03	3.06E-03	6.19E-04	5.94E-04	4.62E-04	3.03E-04
2859	562924.84	4234239.23	4.75E-03	4.23E-03	8.05E-04	6.79E-04	3.83E-03	3.11E-03	6.28E-04	6.02E-04	4.69E-04	3.08E-04
2860	562933.65	4234236.41	4.79E-03	4.28E-03	8.13E-04	6.86E-04	3.87E-03	3.14E-03	6.34E-04	6.08E-04	4.73E-04	3.11E-04
2861	562942.45	4234233.59	4.82E-03	4.30E-03	8.18E-04	6.90E-04	3.89E-03	3.16E-03	6.38E-04	6.12E-04	4.76E-04	3.13E-04
2862	562951.26	4234230.77	4.83E-03	4.31E-03	8.20E-04	6.91E-04	3.90E-03	3.16E-03	6.39E-04	6.13E-04	4.77E-04	3.13E-04
2863	562960.07	4234227.96	4.82E-03	4.30E-03	8.18E-04	6.89E-04	3.89E-03	3.15E-03	6.37E-04	6.12E-04	4.76E-04	3.12E-04
2864	562968.87	4234225.14	4.79E-03	4.27E-03	8.12E-04	6.85E-04	3.87E-03	3.13E-03	6.33E-04	6.07E-04	4.73E-04	3.10E-04
2865	563004.1	4234213.86	4.47E-03	3.98E-03	7.58E-04	6.39E-04	3.61E-03	2.92E-03	5.91E-04	5.67E-04	4.41E-04	2.89E-04
2866	563012.91	4234211.04	4.35E-03	3.88E-03	7.37E-04	6.21E-04	3.51E-03	2.84E-03	5.75E-04	5.51E-04	4.29E-04	2.82E-04
2867	563021.71	4234208.22	4.21E-03	3.76E-03	7.15E-04	6.02E-04	3.40E-03	2.76E-03	5.57E-04	5.34E-04	4.16E-04	2.73E-04
2868	563030.52	4234205.41	4.07E-03	3.63E-03	6.90E-04	5.82E-04	3.28E-03	2.66E-03	5.38E-04	5.16E-04	4.02E-04	2.64E-04
2869	563039.33	4234202.59	3.91E-03	3.49E-03	6.63E-04	5.59E-04	3.16E-03	2.56E-03	5.17E-04	4.96E-04	3.86E-04	2.53E-04
2870	563048.13	4234199.77	3.74E-03	3.34E-03	6.35E-04	5.35E-04	3.02E-03	2.45E-03	4.95E-04	4.75E-04	3.69E-04	2.42E-04
2871	563056.94	4234196.95	3.57E-03	3.18E-03	6.05E-04	5.10E-04	2.88E-03	2.33E-03	4.72E-04	4.52E-04	3.52E-04	2.31E-04
2872	563065.75	4234194.13	3.39E-03	3.02E-03	5.75E-04	4.85E-04	2.74E-03	2.22E-03	4.48E-04	4.30E-04	3.35E-04	2.20E-04
2873	563074.55	4234191.31	3.23E-03	2.88E-03	5.47E-04	4.61E-04	2.61E-03	2.11E-03	4.27E-04	4.09E-04	3.19E-04	2.09E-04
2874	563083.36	4234188.49	3.07E-03	2.74E-03	5.21E-04	4.39E-04	2.48E-03	2.01E-03	4.06E-04	3.90E-04	3.03E-04	1.99E-04
2875	563092.17	4234185.68	2.92E-03	2.61E-03	4.96E-04	4.18E-04	2.36E-03	1.91E-03	3.86E-04	3.71E-04	2.89E-04	1.89E-04
2876	563100.97	4234182.86	2.78E-03	2.48E-03	4.72E-04	3.98E-04	2.25E-03	1.82E-03	3.68E-04	3.53E-04	2.75E-04	1.80E-04
2877	563109.78	4234180.04	2.65E-03	2.36E-03	4.50E-04	3.79E-04	2.14E-03	1.73E-03	3.50E-04	3.36E-04	2.62E-04	1.72E-04
2878	563118.59	4234177.22	2.52E-03	2.25E-03	4.28E-04	3.61E-04	2.04E-03	1.65E-03	3.34E-04	3.20E-04	2.49E-04	1.64E-04
2879	562631.34	4234593.62	2.22E-03	1.98E-03	3.77E-04	3.18E-04	1.80E-03	1.45E-03	2.94E-04	2.82E-04	2.20E-04	1.44E-04
2880	562630.54	4234602.94	2.23E-03	1.99E-03	3.78E-04	3.19E-04	1.80E-03	1.46E-03	2.95E-04	2.83E-04	2.20E-04	1.44E-04
2881	562629.74	4234612.26	2.22E-03	1.98E-03	3.77E-04	3.18E-04	1.80E-03	1.46E-03	2.94E-04	2.82E-04	2.20E-04	1.44E-04
2882	562628.94	4234621.57	2.21E-03	1.98E-03	3.76E-04	3.17E-04	1.79E-03	1.45E-03	2.93E-04	2.81E-04	2.19E-04	1.44E-04
2883	562628.15	4234630.89	2.20E-03	1.96E-03	3.73E-04	3.14E-04	1.77E-03	1.44E-03	2.91E-04	2.79E-04	2.17E-04	1.42E-04
2884	562627.35	4234640.21	2.17E-03	1.94E-03	3.69E-04	3.11E-04	1.75E-03	1.42E-03	2.87E-04	2.76E-04	2.15E-04	1.41E-04
2885	562626.55	4234649.53	2.14E-03	1.91E-03	3.64E-04	3.06E-04	1.73E-03	1.40E-03	2.83E-04	2.72E-04	2.12E-04	1.39E-04
2886	562625.75	4234658.84	2.11E-03	1.88E-03	3.57E-04	3.01E-04	1.70E-03	1.38E-03	2.78E-04	2.67E-04	2.08E-04	1.36E-04
2887	562624.96	4234668.16	2.06E-03	1.84E-03	3.50E-04	2.95E-04	1.67E-03	1.35E-03	2.73E-04	2.62E-04	2.04E-04	1.34E-04
2888	562624.16	4234677.48	2.02E-03	1.80E-03	3.42E-04	2.88E-04	1.63E-03	1.32E-03	2.67E-04	2.56E-04	1.99E-04	1.31E-04
2889	562623.36	4234686.8	1.96E-03	1.75E-03	3.33E-04	2.81E-04	1.59E-03	1.28E-03	2.60E-04	2.49E-04	1.94E-04	1.27E-04
2890	562622.56	4234696.11	1.91E-03	1.70E-03	3.24E-04	2.73E-04	1.54E-03	1.25E-03	2.52E-04	2.42E-04	1.88E-04	1.24E-04
2891	562621.77	4234705.43	1.85E-03	1.65E-03	3.14E-04	2.65E-04	1.49E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
2892	562595.76	4234581.94	2.10E-03	1.87E-03	3.56E-04	3.00E-04	1.69E-03	1.37E-03	2.77E-04	2.66E-04	2.07E-04	1.36E-04
2893	562600.04	4234573.66	2.10E-03	1.88E-03	3.57E-04	3.01E-04	1.70E-03	1.38E-03	2.78E-04	2.67E-04	2.08E-04	1.36E-04
2894	562604.32	4234565.39	2.11E-03	1.88E-03	3.58E-04	3.02E-04	1.70E-03	1.38E-03	2.79E-04	2.68E-04	2.08E-04	1.37E-04

2895	562608.6	4234557.11	2.11E-03	1.88E-03	3.58E-04	3.01E-04	1.70E-03	1.38E-03	2.79E-04	2.67E-04	2.08E-04	1.37E-04
2896	562612.88	4234548.84	2.10E-03	1.88E-03	3.57E-04	3.01E-04	1.70E-03	1.38E-03	2.78E-04	2.67E-04	2.08E-04	1.36E-04
2897	562617.16	4234540.56	2.08E-03	1.86E-03	3.53E-04	2.98E-04	1.68E-03	1.36E-03	2.75E-04	2.64E-04	2.06E-04	1.35E-04
2898	562621.43	4234532.29	2.06E-03	1.83E-03	3.49E-04	2.94E-04	1.66E-03	1.35E-03	2.72E-04	2.61E-04	2.03E-04	1.33E-04
2899	562625.71	4234524.01	2.03E-03	1.81E-03	3.44E-04	2.90E-04	1.64E-03	1.33E-03	2.68E-04	2.57E-04	2.00E-04	1.31E-04
2900	562629.99	4234515.74	2.00E-03	1.78E-03	3.39E-04	2.85E-04	1.61E-03	1.31E-03	2.64E-04	2.53E-04	1.97E-04	1.29E-04
2901	562634.27	4234507.47	1.96E-03	1.75E-03	3.33E-04	2.81E-04	1.58E-03	1.28E-03	2.60E-04	2.49E-04	1.94E-04	1.27E-04
2902	562638.55	4234499.19	1.93E-03	1.72E-03	3.27E-04	2.76E-04	1.56E-03	1.26E-03	2.55E-04	2.45E-04	1.90E-04	1.25E-04
2903	562642.83	4234490.92	1.89E-03	1.69E-03	3.21E-04	2.71E-04	1.53E-03	1.24E-03	2.50E-04	2.40E-04	1.87E-04	1.23E-04
2904	562647.11	4234482.64	1.87E-03	1.67E-03	3.17E-04	2.67E-04	1.51E-03	1.22E-03	2.47E-04	2.37E-04	1.84E-04	1.21E-04
2905	562651.39	4234474.37	1.84E-03	1.64E-03	3.13E-04	2.64E-04	1.49E-03	1.21E-03	2.44E-04	2.34E-04	1.82E-04	1.19E-04
2906	562655.67	4234466.09	1.82E-03	1.62E-03	3.09E-04	2.60E-04	1.47E-03	1.19E-03	2.41E-04	2.31E-04	1.80E-04	1.18E-04
2907	562659.95	4234457.82	1.80E-03	1.60E-03	3.05E-04	2.57E-04	1.45E-03	1.18E-03	2.38E-04	2.28E-04	1.77E-04	1.16E-04
2908	562664.23	4234449.55	1.78E-03	1.58E-03	3.01E-04	2.54E-04	1.43E-03	1.16E-03	2.35E-04	2.25E-04	1.75E-04	1.15E-04
2909	562668.5	4234441.27	1.76E-03	1.57E-03	2.98E-04	2.51E-04	1.42E-03	1.15E-03	2.32E-04	2.23E-04	1.74E-04	1.14E-04
2910	562672.78	4234433	1.74E-03	1.55E-03	2.95E-04	2.49E-04	1.41E-03	1.14E-03	2.30E-04	2.21E-04	1.72E-04	1.13E-04
2911	562677.06	4234424.72	1.73E-03	1.54E-03	2.93E-04	2.47E-04	1.40E-03	1.13E-03	2.29E-04	2.19E-04	1.71E-04	1.12E-04
2912	562681.34	4234416.45	1.72E-03	1.53E-03	2.92E-04	2.46E-04	1.39E-03	1.13E-03	2.27E-04	2.18E-04	1.70E-04	1.11E-04
2913	562685.62	4234408.17	1.72E-03	1.53E-03	2.91E-04	2.45E-04	1.39E-03	1.12E-03	2.27E-04	2.18E-04	1.70E-04	1.11E-04
2914	562689.9	4234399.9	1.72E-03	1.53E-03	2.92E-04	2.46E-04	1.39E-03	1.12E-03	2.27E-04	2.18E-04	1.70E-04	1.11E-04
2915	562694.18	4234391.62	1.73E-03	1.55E-03	2.94E-04	2.48E-04	1.40E-03	1.13E-03	2.29E-04	2.20E-04	1.71E-04	1.12E-04
2916	562698.46	4234383.35	1.77E-03	1.58E-03	3.00E-04	2.53E-04	1.43E-03	1.16E-03	2.34E-04	2.24E-04	1.74E-04	1.14E-04
2917	562702.74	4234375.08	1.81E-03	1.62E-03	3.07E-04	2.59E-04	1.46E-03	1.19E-03	2.40E-04	2.30E-04	1.79E-04	1.17E-04
2918	562707.02	4234366.8	1.86E-03	1.66E-03	3.16E-04	2.66E-04	1.50E-03	1.22E-03	2.46E-04	2.36E-04	1.84E-04	1.21E-04
2919	562711.29	4234358.53	1.89E-03	1.69E-03	3.21E-04	2.71E-04	1.53E-03	1.24E-03	2.50E-04	2.40E-04	1.87E-04	1.23E-04
2920	562715.57	4234350.25	1.93E-03	1.72E-03	3.27E-04	2.76E-04	1.56E-03	1.26E-03	2.55E-04	2.45E-04	1.91E-04	1.25E-04
2921	562719.85	4234341.98	1.97E-03	1.76E-03	3.34E-04	2.82E-04	1.59E-03	1.29E-03	2.61E-04	2.50E-04	1.95E-04	1.28E-04
2922	562724.13	4234333.7	2.02E-03	1.80E-03	3.42E-04	2.88E-04	1.63E-03	1.32E-03	2.67E-04	2.56E-04	1.99E-04	1.31E-04
2923	562728.41	4234325.43	2.07E-03	1.84E-03	3.51E-04	2.96E-04	1.67E-03	1.35E-03	2.73E-04	2.62E-04	2.04E-04	1.34E-04
2924	562732.69	4234317.15	2.12E-03	1.89E-03	3.60E-04	3.03E-04	1.71E-03	1.39E-03	2.80E-04	2.69E-04	2.09E-04	1.37E-04
2925	562736.97	4234308.88	2.18E-03	1.94E-03	3.69E-04	3.11E-04	1.76E-03	1.42E-03	2.88E-04	2.76E-04	2.15E-04	1.41E-04
2926	562741.25	4234300.61	2.24E-03	1.99E-03	3.79E-04	3.20E-04	1.80E-03	1.46E-03	2.96E-04	2.84E-04	2.21E-04	1.45E-04
2927	562745.53	4234292.33	2.30E-03	2.05E-03	3.90E-04	3.28E-04	1.85E-03	1.50E-03	3.04E-04	2.91E-04	2.27E-04	1.49E-04
2928	562749.81	4234284.06	2.36E-03	2.10E-03	4.00E-04	3.37E-04	1.90E-03	1.54E-03	3.12E-04	2.99E-04	2.33E-04	1.53E-04
2929	562754.09	4234275.78	2.42E-03	2.16E-03	4.11E-04	3.46E-04	1.95E-03	1.58E-03	3.20E-04	3.07E-04	2.39E-04	1.57E-04
2930	562758.36	4234267.51	2.48E-03	2.21E-03	4.21E-04	3.55E-04	2.00E-03	1.62E-03	3.28E-04	3.15E-04	2.45E-04	1.61E-04
2931	562762.64	4234259.23	2.55E-03	2.27E-03	4.32E-04	3.64E-04	2.06E-03	1.67E-03	3.37E-04	3.23E-04	2.51E-04	1.65E-04
2932	562775.79	4234248.12	2.72E-03	2.43E-03	4.62E-04	3.89E-04	2.20E-03	1.78E-03	3.60E-04	3.45E-04	2.69E-04	1.76E-04
2933	562784.67	4234245.28	2.84E-03	2.53E-03	4.82E-04	4.06E-04	2.29E-03	1.86E-03	3.75E-04	3.60E-04	2.80E-04	1.84E-04
2934	562793.54	4234242.44	2.96E-03	2.64E-03	5.02E-04	4.23E-04	2.39E-03	1.94E-03	3.91E-04	3.75E-04	2.92E-04	1.92E-04
2935	562802.41	4234239.6	3.08E-03	2.75E-03	5.23E-04	4.40E-04	2.49E-03	2.02E-03	4.07E-04	3.91E-04	3.04E-04	2.00E-04
2936	562811.28	4234236.76	3.20E-03	2.86E-03	5.43E-04	4.58E-04	2.59E-03	2.10E-03	4.24E-04	4.06E-04	3.16E-04	2.08E-04
2937	562820.15	4234233.92	3.33E-03	2.97E-03	5.65E-04	4.76E-04	2.69E-03	2.18E-03	4.40E-04	4.22E-04	3.29E-04	2.16E-04
2938	562829.03	4234231.08	3.45E-03	3.08E-03	5.86E-04	4.94E-04	2.79E-03	2.26E-03	4.56E-04	4.38E-04	3.41E-04	2.24E-04
2939	562837.9	4234228.24	3.57E-03	3.19E-03	6.06E-04	5.11E-04	2.89E-03	2.34E-03	4.73E-04	4.54E-04	3.53E-04	2.32E-04
2940	562846.77	4234225.4	3.69E-03	3.30E-03	6.27E-04	5.28E-04	2.98E-03	2.42E-03	4.89E-04	4.69E-04	3.65E-04	2.39E-04
2941	562855.64	4234222.56	3.81E-03	3.40E-03	6.47E-04	5.45E-04	3.08E-03	2.49E-03	5.04E-04	4.84E-04	3.76E-04	2.47E-04
2942	562864.51	4234219.72	3.92E-03	3.50E-03	6.65E-04	5.61E-04	3.17E-03	2.57E-03	5.19E-04	4.98E-04	3.87E-04	2.54E-04
2943	562873.39	4234216.88	4.02E-03	3.59E-03	6.83E-04	5.76E-04	3.25E-03	2.63E-03	5.32E-04	5.11E-04	3.97E-04	2.61E-04
2944	562882.26	4234214.04	4.12E-03	3.67E-03	6.99E-04	5.89E-04	3.33E-03	2.70E-03	5.45E-04	5.23E-04	4.07E-04	2.67E-04
2945	562891.13	4234211.2	4.20E-03	3.75E-03	7.13E-04	6.01E-04	3.39E-03	2.75E-03	5.56E-04	5.33E-04	4.15E-04	2.72E-04
2946	562900	4234208.37	4.28E-03	3.81E-03	7.25E-04	6.11E-04	3.45E-03	2.80E-03	5.65E-04	5.42E-04	4.22E-04	2.77E-04
2947	562908.87	4234205.53	4.33E-03	3.87E-03	7.35E-04	6.20E-04	3.50E-03	2.84E-03	5.73E-04	5.50E-04	4.28E-04	2.81E-04
2948	562917.75	4234202.69	4.38E-03	3.90E-03	7.43E-04	6.26E-04	3.53E-03	2.86E-03	5.79E-04	5.55E-04	4.32E-04	2.84E-04
2949	562926.62	4234199.85	4.40E-03	3.93E-03	7.47E-04	6.30E-04	3.56E-03	2.88E-03	5.82E-04	5.59E-04	4.35E-04	2.85E-04
2950	562935.49	4234197.01	4.42E-03	3.94E-03	7.49E-04	6.31E-04	3.56E-03	2.89E-03	5.84E-04	5.60E-04	4.36E-04	2.86E-04
2951	562944.36	4234194.17	4.41E-03	3.93E-03	7.48E-04	6.30E-04	3.56E-03	2.88E-03	5.83E-04	5.59E-04	4.35E-04	2.86E-04
2952	562953.23	4234191.33	4.38E-03	3.91E-03	7.44E-04	6.27E-04	3.54E-03	2.87E-03	5.80E-04	5.56E-04	4.33E-04	2.84E-04
2953	562962.11	4234188.49	4.34E-03	3.87E-03	7.37E-04	6.21E-04	3.51E-03	2.84E-03	5.74E-04	5.51E-04	4.29E-04	2.81E-04
2954	562970.98	4234185.65	4.29E-03	3.82E-03	7.27E-04	6.13E-04	3.46E-03	2.80E-03	5.67E-04	5.44E-04	4.23E-04	2.78E-04
2955	562997.59	4234177.13	4.02E-03	3.59E-03	6.82E-04	5.75E-04	3.25E-03	2.63E-03	5.32E-04	5.10E-04	3.97E-04	2.61E-04
2956	563006.47	4234174.29	3.91E-03	3.48E-03	6.63E-04	5.59E-04	3.15E-03	2.56E-03	5.17E-04	4.96E-04	3.86E-04	2.53E-04
2957	563015.34	4234171.45	3.77E-03	3.37E-03	6.40E-04	5.40E-04	3.05E-03	2.47E-03	4.99E-04	4.79E-04	3.73E-04	2.45E-04
2958	563024.21	4234168.61	3.63E-03	3.24E-03	6.16E-04	5.19E-04	2.93E-03	2.37E-03	4.80E-04	4.60E-04	3.58E-04	2.35E-04
2959	563033.08	4234165.77	3.48E-03	3.10E-03	5.90E-04	4.97E-04	2.81E-03	2.27E-03	4.60E-04	4.41E-04	3.43E-04	2.25E-04
2960	563041.95	4234162.93	3.33E-03	2.97E-03	5.65E-04	4.76E-04	2.69E-03	2.18E-03	4.40E-04	4.22E-04	3.29E-04	2.16E-04
2961	563050.83	4234160.09	3.18E-03	2.84E-03	5.40E-04	4.55E-04	2.57E-03	2.08E-03	4.21E-04	4.04E-04	3.15E-04	2.06E-04
2962	563059.7	4234157.25	3.04E-03	2.72E-03	5.16E-04	4.35E-04	2.46E-03	1.99E-03	4.03E-04	3.86E-04	3.01E-04	1.97E-04
2963	563068.57	4234154.41	2.91E-03	2.59E-03	4.94E-04	4.16E-04	2.35E-03	1.90E-03	3.85E-04	3.69E-04	2.87E-04	1.89E-04

2964	563077.44	4234151.57	2.78E-03	2.48E-03	4.71E-04	3.97E-04	2.24E-03	1.82E-03	3.67E-04	3.52E-04	2.74E-04	1.80E-04
2965	563086.31	4234148.73	2.65E-03	2.36E-03	4.49E-04	3.79E-04	2.14E-03	1.73E-03	3.50E-04	3.36E-04	2.62E-04	1.72E-04
2966	563095.19	4234145.89	2.53E-03	2.25E-03	4.29E-04	3.61E-04	2.04E-03	1.65E-03	3.34E-04	3.20E-04	2.49E-04	1.64E-04
2967	563104.06	4234143.05	2.41E-03	2.15E-03	4.09E-04	3.45E-04	1.95E-03	1.58E-03	3.19E-04	3.06E-04	2.38E-04	1.56E-04
2968	563112.93	4234140.21	2.30E-03	2.05E-03	3.90E-04	3.29E-04	1.86E-03	1.50E-03	3.04E-04	2.92E-04	2.27E-04	1.49E-04
2969	563121.8	4234137.37	2.20E-03	1.96E-03	3.73E-04	3.14E-04	1.77E-03	1.44E-03	2.90E-04	2.79E-04	2.17E-04	1.42E-04
2970	562591.48	4234590.21	2.08E-03	1.86E-03	3.53E-04	2.98E-04	1.68E-03	1.36E-03	2.75E-04	2.64E-04	2.05E-04	1.35E-04
2971	562590.68	4234599.53	2.08E-03	1.85E-03	3.52E-04	2.97E-04	1.68E-03	1.36E-03	2.75E-04	2.64E-04	2.05E-04	1.35E-04
2972	562589.89	4234608.85	2.07E-03	1.84E-03	3.51E-04	2.96E-04	1.67E-03	1.35E-03	2.73E-04	2.62E-04	2.04E-04	1.34E-04
2973	562589.09	4234618.16	2.05E-03	1.83E-03	3.48E-04	2.93E-04	1.66E-03	1.34E-03	2.71E-04	2.60E-04	2.03E-04	1.33E-04
2974	562588.29	4234627.48	2.03E-03	1.81E-03	3.44E-04	2.90E-04	1.64E-03	1.33E-03	2.68E-04	2.58E-04	2.00E-04	1.32E-04
2975	562587.49	4234636.8	2.00E-03	1.79E-03	3.40E-04	2.86E-04	1.62E-03	1.31E-03	2.65E-04	2.54E-04	1.98E-04	1.30E-04
2976	562586.7	4234646.12	1.97E-03	1.76E-03	3.34E-04	2.82E-04	1.59E-03	1.29E-03	2.60E-04	2.50E-04	1.94E-04	1.28E-04
2977	562585.9	4234655.43	1.93E-03	1.72E-03	3.28E-04	2.76E-04	1.56E-03	1.26E-03	2.55E-04	2.45E-04	1.91E-04	1.25E-04
2978	562585.1	4234664.75	1.89E-03	1.69E-03	3.21E-04	2.70E-04	1.53E-03	1.24E-03	2.50E-04	2.40E-04	1.87E-04	1.22E-04
2979	562584.3	4234674.07	1.84E-03	1.64E-03	3.13E-04	2.64E-04	1.49E-03	1.21E-03	2.44E-04	2.34E-04	1.82E-04	1.19E-04
2980	562583.51	4234683.39	1.79E-03	1.60E-03	3.04E-04	2.57E-04	1.45E-03	1.17E-03	2.37E-04	2.28E-04	1.77E-04	1.16E-04
2981	562582.71	4234692.7	1.74E-03	1.55E-03	2.96E-04	2.49E-04	1.41E-03	1.14E-03	2.30E-04	2.21E-04	1.72E-04	1.13E-04
2982	562581.91	4234702.02	1.69E-03	1.51E-03	2.86E-04	2.41E-04	1.36E-03	1.10E-03	2.23E-04	2.14E-04	1.67E-04	1.09E-04
2983	562555.84	4234578.66	1.92E-03	1.71E-03	3.25E-04	2.74E-04	1.55E-03	1.25E-03	2.53E-04	2.43E-04	1.89E-04	1.24E-04
2984	562560.05	4234570.51	1.93E-03	1.72E-03	3.27E-04	2.76E-04	1.56E-03	1.26E-03	2.55E-04	2.45E-04	1.90E-04	1.25E-04
2985	562564.26	4234562.37	1.94E-03	1.73E-03	3.28E-04	2.77E-04	1.56E-03	1.27E-03	2.56E-04	2.46E-04	1.91E-04	1.25E-04
2986	562568.47	4234554.23	1.94E-03	1.73E-03	3.29E-04	2.77E-04	1.57E-03	1.27E-03	2.56E-04	2.46E-04	1.91E-04	1.26E-04
2987	562572.68	4234546.09	1.94E-03	1.73E-03	3.29E-04	2.77E-04	1.56E-03	1.27E-03	2.56E-04	2.46E-04	1.91E-04	1.26E-04
2988	562576.89	4234537.95	1.93E-03	1.72E-03	3.28E-04	2.76E-04	1.56E-03	1.26E-03	2.56E-04	2.45E-04	1.91E-04	1.25E-04
2989	562581.1	4234529.8	1.92E-03	1.72E-03	3.26E-04	2.75E-04	1.55E-03	1.26E-03	2.54E-04	2.44E-04	1.90E-04	1.25E-04
2990	562585.31	4234521.66	1.91E-03	1.71E-03	3.25E-04	2.74E-04	1.54E-03	1.25E-03	2.53E-04	2.43E-04	1.89E-04	1.24E-04
2991	562589.52	4234513.52	1.90E-03	1.69E-03	3.22E-04	2.71E-04	1.53E-03	1.24E-03	2.51E-04	2.41E-04	1.87E-04	1.23E-04
2992	562593.73	4234505.38	1.88E-03	1.68E-03	3.19E-04	2.69E-04	1.52E-03	1.23E-03	2.49E-04	2.39E-04	1.86E-04	1.22E-04
2993	562597.94	4234497.24	1.86E-03	1.66E-03	3.16E-04	2.66E-04	1.50E-03	1.22E-03	2.46E-04	2.36E-04	1.84E-04	1.21E-04
2994	562602.15	4234489.09	1.84E-03	1.64E-03	3.13E-04	2.63E-04	1.49E-03	1.21E-03	2.44E-04	2.34E-04	1.82E-04	1.19E-04
2995	562606.36	4234480.95	1.82E-03	1.62E-03	3.09E-04	2.60E-04	1.47E-03	1.19E-03	2.41E-04	2.31E-04	1.80E-04	1.18E-04
2996	562610.58	4234472.81	1.80E-03	1.60E-03	3.05E-04	2.57E-04	1.45E-03	1.18E-03	2.38E-04	2.28E-04	1.77E-04	1.16E-04
2997	562614.79	4234464.67	1.77E-03	1.58E-03	3.00E-04	2.53E-04	1.43E-03	1.16E-03	2.34E-04	2.24E-04	1.75E-04	1.15E-04
2998	562619	4234456.53	1.73E-03	1.55E-03	2.94E-04	2.48E-04	1.40E-03	1.13E-03	2.29E-04	2.20E-04	1.71E-04	1.12E-04
2999	562623.21	4234448.38	1.70E-03	1.51E-03	2.88E-04	2.43E-04	1.37E-03	1.11E-03	2.25E-04	2.15E-04	1.68E-04	1.10E-04
3000	562627.42	4234440.24	1.66E-03	1.48E-03	2.82E-04	2.38E-04	1.34E-03	1.09E-03	2.20E-04	2.11E-04	1.64E-04	1.08E-04
3001	562631.63	4234432.1	1.63E-03	1.46E-03	2.77E-04	2.33E-04	1.32E-03	1.07E-03	2.16E-04	2.07E-04	1.61E-04	1.06E-04
3002	562635.84	4234423.96	1.60E-03	1.43E-03	2.72E-04	2.29E-04	1.29E-03	1.05E-03	2.12E-04	2.03E-04	1.58E-04	1.04E-04
3003	562640.05	4234415.82	1.58E-03	1.41E-03	2.67E-04	2.25E-04	1.27E-03	1.03E-03	2.08E-04	2.00E-04	1.56E-04	1.02E-04
3004	562644.26	4234407.67	1.55E-03	1.39E-03	2.64E-04	2.22E-04	1.25E-03	1.02E-03	2.05E-04	1.97E-04	1.53E-04	1.01E-04
3005	562648.47	4234399.53	1.54E-03	1.38E-03	2.62E-04	2.21E-04	1.25E-03	1.01E-03	2.04E-04	1.96E-04	1.52E-04	1.00E-04
3006	562652.68	4234391.39	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.01E-03	2.03E-04	1.95E-04	1.52E-04	9.97E-05
3007	562656.89	4234383.25	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.01E-03	2.03E-04	1.95E-04	1.52E-04	9.95E-05
3008	562661.1	4234375.11	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.01E-03	2.04E-04	1.95E-04	1.52E-04	9.98E-05
3009	562665.31	4234366.96	1.55E-03	1.38E-03	2.63E-04	2.21E-04	1.25E-03	1.01E-03	2.05E-04	1.96E-04	1.53E-04	1.00E-04
3010	562669.52	4234358.82	1.56E-03	1.39E-03	2.65E-04	2.23E-04	1.26E-03	1.02E-03	2.06E-04	1.98E-04	1.54E-04	1.01E-04
3011	562673.73	4234350.68	1.58E-03	1.41E-03	2.68E-04	2.26E-04	1.27E-03	1.03E-03	2.09E-04	2.00E-04	1.56E-04	1.02E-04
3012	562677.94	4234342.54	1.61E-03	1.44E-03	2.73E-04	2.30E-04	1.30E-03	1.05E-03	2.13E-04	2.04E-04	1.59E-04	1.04E-04
3013	562682.16	4234334.4	1.65E-03	1.47E-03	2.80E-04	2.36E-04	1.33E-03	1.08E-03	2.18E-04	2.09E-04	1.63E-04	1.07E-04
3014	562686.37	4234326.25	1.70E-03	1.52E-03	2.88E-04	2.43E-04	1.37E-03	1.11E-03	2.25E-04	2.16E-04	1.68E-04	1.10E-04
3015	562690.58	4234318.11	1.75E-03	1.56E-03	2.97E-04	2.50E-04	1.41E-03	1.14E-03	2.31E-04	2.22E-04	1.73E-04	1.13E-04
3016	562694.79	4234309.97	1.80E-03	1.60E-03	3.05E-04	2.57E-04	1.45E-03	1.18E-03	2.38E-04	2.28E-04	1.77E-04	1.16E-04
3017	562699	4234301.83	1.84E-03	1.64E-03	3.12E-04	2.63E-04	1.49E-03	1.21E-03	2.44E-04	2.34E-04	1.82E-04	1.19E-04
3018	562703.21	4234293.69	1.89E-03	1.68E-03	3.20E-04	2.70E-04	1.52E-03	1.23E-03	2.49E-04	2.39E-04	1.86E-04	1.22E-04
3019	562707.42	4234285.54	1.93E-03	1.73E-03	3.28E-04	2.77E-04	1.56E-03	1.27E-03	2.56E-04	2.45E-04	1.91E-04	1.25E-04
3020	562711.63	4234277.4	1.98E-03	1.77E-03	3.36E-04	2.84E-04	1.60E-03	1.30E-03	2.62E-04	2.52E-04	1.96E-04	1.29E-04
3021	562715.84	4234269.26	2.03E-03	1.81E-03	3.45E-04	2.91E-04	1.64E-03	1.33E-03	2.69E-04	2.58E-04	2.01E-04	1.32E-04
3022	562720.05	4234261.12	2.09E-03	1.86E-03	3.54E-04	2.98E-04	1.68E-03	1.37E-03	2.76E-04	2.65E-04	2.06E-04	1.35E-04
3023	562724.26	4234252.98	2.14E-03	1.91E-03	3.63E-04	3.06E-04	1.73E-03	1.40E-03	2.83E-04	2.71E-04	2.11E-04	1.39E-04
3024	562728.47	4234244.83	2.19E-03	1.96E-03	3.72E-04	3.14E-04	1.77E-03	1.43E-03	2.90E-04	2.78E-04	2.17E-04	1.42E-04
3025	562732.68	4234236.69	2.25E-03	2.00E-03	3.81E-04	3.21E-04	1.81E-03	1.47E-03	2.97E-04	2.85E-04	2.22E-04	1.46E-04
3026	562736.89	4234228.55	2.30E-03	2.05E-03	3.90E-04	3.29E-04	1.86E-03	1.51E-03	3.04E-04	2.92E-04	2.27E-04	1.49E-04
3027	562749.83	4234217.61	2.45E-03	2.19E-03	4.16E-04	3.50E-04	1.98E-03	1.60E-03	3.24E-04	3.11E-04	2.42E-04	1.59E-04
3028	562758.56	4234214.82	2.55E-03	2.27E-03	4.32E-04	3.64E-04	2.06E-03	1.67E-03	3.37E-04	3.23E-04	2.52E-04	1.65E-04
3029	562767.29	4234212.03	2.65E-03	2.36E-03	4.50E-04	3.79E-04	2.14E-03	1.73E-03	3.50E-04	3.36E-04	2.62E-04	1.72E-04
3030	562776.02	4234209.23	2.75E-03	2.46E-03	4.67E-04	3.94E-04	2.22E-03	1.80E-03	3.64E-04	3.49E-04	2.72E-04	1.78E-04
3031	562784.75	4234206.44	2.86E-03	2.55E-03	4.85E-04	4.09E-04	2.31E-03	1.87E-03	3.78E-04	3.63E-04	2.82E-04	1.85E-04
3032	562793.48	4234203.64	2.97E-03	2.65E-03	5.03E-04	4.24E-04	2.39E-03	1.94E-03	3.92E-04	3.76E-04	2.93E-04	1.92E-04

3033	562802.21	4234200.85	3.07E-03	2.74E-03	5.21E-04	4.39E-04	2.48E-03	2.01E-03	4.06E-04	3.90E-04	3.03E-04	1.99E-04
3034	562810.94	4234198.05	3.18E-03	2.84E-03	5.40E-04	4.55E-04	2.57E-03	2.08E-03	4.21E-04	4.03E-04	3.14E-04	2.06E-04
3035	562819.67	4234195.26	3.29E-03	2.93E-03	5.58E-04	4.70E-04	2.65E-03	2.15E-03	4.35E-04	4.17E-04	3.24E-04	2.13E-04
3036	562828.4	4234192.47	3.39E-03	3.02E-03	5.75E-04	4.85E-04	2.74E-03	2.22E-03	4.48E-04	4.30E-04	3.35E-04	2.20E-04
3037	562837.13	4234189.67	3.49E-03	3.11E-03	5.92E-04	4.99E-04	2.82E-03	2.28E-03	4.62E-04	4.43E-04	3.45E-04	2.26E-04
3038	562845.86	4234186.88	3.59E-03	3.20E-03	6.08E-04	5.13E-04	2.90E-03	2.35E-03	4.74E-04	4.55E-04	3.54E-04	2.32E-04
3039	562854.59	4234184.08	3.68E-03	3.28E-03	6.24E-04	5.26E-04	2.97E-03	2.41E-03	4.86E-04	4.67E-04	3.63E-04	2.38E-04
3040	562863.32	4234181.29	3.76E-03	3.35E-03	6.38E-04	5.38E-04	3.04E-03	2.46E-03	4.97E-04	4.77E-04	3.71E-04	2.44E-04
3041	562872.05	4234178.5	3.84E-03	3.42E-03	6.51E-04	5.49E-04	3.10E-03	2.51E-03	5.07E-04	4.87E-04	3.79E-04	2.49E-04
3042	562880.78	4234175.7	3.90E-03	3.48E-03	6.62E-04	5.58E-04	3.15E-03	2.55E-03	5.16E-04	4.95E-04	3.85E-04	2.53E-04
3043	562889.51	4234172.91	3.96E-03	3.53E-03	6.72E-04	5.66E-04	3.20E-03	2.59E-03	5.23E-04	5.02E-04	3.91E-04	2.57E-04
3044	562898.24	4234170.11	4.00E-03	3.57E-03	6.79E-04	5.72E-04	3.23E-03	2.62E-03	5.29E-04	5.08E-04	3.95E-04	2.59E-04
3045	562906.97	4234167.32	4.03E-03	3.60E-03	6.84E-04	5.77E-04	3.26E-03	2.64E-03	5.33E-04	5.12E-04	3.98E-04	2.61E-04
3046	562915.7	4234164.52	4.05E-03	3.61E-03	6.87E-04	5.79E-04	3.27E-03	2.65E-03	5.36E-04	5.14E-04	4.00E-04	2.63E-04
3047	562924.43	4234161.73	4.05E-03	3.62E-03	6.88E-04	5.80E-04	3.27E-03	2.65E-03	5.36E-04	5.15E-04	4.00E-04	2.63E-04
3048	562933.16	4234158.94	4.04E-03	3.61E-03	6.86E-04	5.78E-04	3.27E-03	2.65E-03	5.35E-04	5.13E-04	3.99E-04	2.62E-04
3049	562941.89	4234156.14	4.02E-03	3.59E-03	6.82E-04	5.75E-04	3.25E-03	2.63E-03	5.32E-04	5.10E-04	3.97E-04	2.61E-04
3050	562950.62	4234153.35	3.98E-03	3.55E-03	6.76E-04	5.69E-04	3.21E-03	2.61E-03	5.27E-04	5.05E-04	3.93E-04	2.58E-04
3051	562959.35	4234150.55	3.93E-03	3.51E-03	6.67E-04	5.62E-04	3.17E-03	2.57E-03	5.20E-04	4.99E-04	3.88E-04	2.55E-04
3052	562968.08	4234147.76	3.86E-03	3.45E-03	6.56E-04	5.53E-04	3.12E-03	2.53E-03	5.11E-04	4.90E-04	3.82E-04	2.50E-04
3053	562994.27	4234139.38	3.60E-03	3.22E-03	6.12E-04	5.15E-04	2.91E-03	2.36E-03	4.77E-04	4.57E-04	3.56E-04	2.34E-04
3054	563003.01	4234136.58	3.50E-03	3.12E-03	5.94E-04	5.00E-04	2.83E-03	2.29E-03	4.63E-04	4.44E-04	3.46E-04	2.27E-04
3055	563011.74	4234133.79	3.37E-03	3.01E-03	5.72E-04	4.82E-04	2.72E-03	2.21E-03	4.46E-04	4.28E-04	3.33E-04	2.19E-04
3056	563020.47	4234130.99	3.24E-03	2.89E-03	5.50E-04	4.63E-04	2.62E-03	2.12E-03	4.28E-04	4.11E-04	3.20E-04	2.10E-04
3057	563029.2	4234128.2	3.10E-03	2.77E-03	5.27E-04	4.44E-04	2.51E-03	2.03E-03	4.11E-04	3.94E-04	3.07E-04	2.01E-04
3058	563037.93	4234125.41	2.98E-03	2.66E-03	5.05E-04	4.26E-04	2.40E-03	1.95E-03	3.94E-04	3.78E-04	2.94E-04	1.93E-04
3059	563046.66	4234122.61	2.86E-03	2.55E-03	4.85E-04	4.09E-04	2.31E-03	1.87E-03	3.78E-04	3.63E-04	2.82E-04	1.85E-04
3060	563055.39	4234119.82	2.74E-03	2.44E-03	4.65E-04	3.92E-04	2.21E-03	1.79E-03	3.62E-04	3.48E-04	2.71E-04	1.78E-04
3061	563064.12	4234117.02	2.62E-03	2.34E-03	4.45E-04	3.75E-04	2.12E-03	1.72E-03	3.47E-04	3.33E-04	2.59E-04	1.70E-04
3062	563072.85	4234114.23	2.51E-03	2.24E-03	4.26E-04	3.59E-04	2.03E-03	1.64E-03	3.32E-04	3.19E-04	2.48E-04	1.63E-04
3063	563081.58	4234111.43	2.40E-03	2.14E-03	4.07E-04	3.43E-04	1.94E-03	1.57E-03	3.18E-04	3.05E-04	2.37E-04	1.56E-04
3064	563090.31	4234108.64	2.30E-03	2.05E-03	3.90E-04	3.28E-04	1.85E-03	1.50E-03	3.04E-04	2.91E-04	2.27E-04	1.49E-04
3065	563099.04	4234105.85	2.20E-03	1.96E-03	3.73E-04	3.14E-04	1.77E-03	1.44E-03	2.90E-04	2.79E-04	2.17E-04	1.42E-04
3066	563107.77	4234103.05	2.10E-03	1.87E-03	3.56E-04	3.00E-04	1.70E-03	1.37E-03	2.78E-04	2.67E-04	2.07E-04	1.36E-04
3067	563116.5	4234100.26	2.01E-03	1.79E-03	3.41E-04	2.88E-04	1.62E-03	1.32E-03	2.66E-04	2.55E-04	1.99E-04	1.30E-04
3068	563125.23	4234097.46	1.93E-03	1.72E-03	3.27E-04	2.76E-04	1.56E-03	1.26E-03	2.55E-04	2.45E-04	1.90E-04	1.25E-04
3069	562551.63	4234586.8	1.90E-03	1.69E-03	3.22E-04	2.72E-04	1.53E-03	1.24E-03	2.51E-04	2.41E-04	1.88E-04	1.23E-04
3070	562550.83	4234596.12	1.89E-03	1.69E-03	3.21E-04	2.71E-04	1.53E-03	1.24E-03	2.50E-04	2.40E-04	1.87E-04	1.23E-04
3071	562550.03	4234605.43	1.88E-03	1.68E-03	3.19E-04	2.69E-04	1.52E-03	1.23E-03	2.49E-04	2.39E-04	1.86E-04	1.22E-04
3072	562549.23	4234614.75	1.86E-03	1.66E-03	3.16E-04	2.66E-04	1.50E-03	1.22E-03	2.46E-04	2.36E-04	1.84E-04	1.21E-04
3073	562548.44	4234624.07	1.84E-03	1.64E-03	3.12E-04	2.63E-04	1.49E-03	1.20E-03	2.43E-04	2.34E-04	1.82E-04	1.19E-04
3074	562547.64	4234633.39	1.81E-03	1.62E-03	3.08E-04	2.59E-04	1.46E-03	1.19E-03	2.40E-04	2.30E-04	1.79E-04	1.18E-04
3075	562546.84	4234642.7	1.78E-03	1.59E-03	3.03E-04	2.55E-04	1.44E-03	1.17E-03	2.36E-04	2.26E-04	1.76E-04	1.16E-04
3076	562546.04	4234652.02	1.75E-03	1.56E-03	2.97E-04	2.50E-04	1.41E-03	1.14E-03	2.31E-04	2.22E-04	1.73E-04	1.13E-04
3077	562545.25	4234661.34	1.71E-03	1.53E-03	2.90E-04	2.44E-04	1.38E-03	1.12E-03	2.26E-04	2.17E-04	1.69E-04	1.11E-04
3078	562544.45	4234670.66	1.67E-03	1.49E-03	2.83E-04	2.39E-04	1.35E-03	1.09E-03	2.21E-04	2.12E-04	1.65E-04	1.08E-04
3079	562543.65	4234679.97	1.62E-03	1.45E-03	2.76E-04	2.32E-04	1.31E-03	1.06E-03	2.15E-04	2.06E-04	1.60E-04	1.05E-04
3080	562542.85	4234689.29	1.58E-03	1.41E-03	2.68E-04	2.26E-04	1.27E-03	1.03E-03	2.09E-04	2.00E-04	1.56E-04	1.02E-04
3081	562542.06	4234698.61	1.53E-03	1.37E-03	2.60E-04	2.19E-04	1.24E-03	1.00E-03	2.03E-04	1.94E-04	1.51E-04	9.93E-05
3082	562516.01	4234575.19	1.76E-03	1.57E-03	2.98E-04	2.51E-04	1.42E-03	1.15E-03	2.32E-04	2.23E-04	1.74E-04	1.14E-04
3083	562520.25	4234566.99	1.77E-03	1.58E-03	3.00E-04	2.53E-04	1.43E-03	1.16E-03	2.34E-04	2.25E-04	1.75E-04	1.15E-04
3084	562524.49	4234558.79	1.78E-03	1.59E-03	3.02E-04	2.55E-04	1.44E-03	1.17E-03	2.36E-04	2.26E-04	1.76E-04	1.15E-04
3085	562528.73	4234550.59	1.79E-03	1.59E-03	3.03E-04	2.56E-04	1.44E-03	1.17E-03	2.36E-04	2.27E-04	1.76E-04	1.16E-04
3086	562532.97	4234542.39	1.79E-03	1.60E-03	3.04E-04	2.56E-04	1.44E-03	1.17E-03	2.37E-04	2.27E-04	1.77E-04	1.16E-04
3087	562537.21	4234534.2	1.79E-03	1.60E-03	3.03E-04	2.56E-04	1.44E-03	1.17E-03	2.36E-04	2.27E-04	1.77E-04	1.16E-04
3088	562541.45	4234526	1.78E-03	1.59E-03	3.03E-04	2.55E-04	1.44E-03	1.17E-03	2.36E-04	2.26E-04	1.76E-04	1.16E-04
3089	562545.69	4234517.8	1.78E-03	1.58E-03	3.01E-04	2.54E-04	1.43E-03	1.16E-03	2.35E-04	2.25E-04	1.75E-04	1.15E-04
3090	562549.93	4234509.6	1.76E-03	1.57E-03	2.99E-04	2.52E-04	1.42E-03	1.15E-03	2.33E-04	2.24E-04	1.74E-04	1.14E-04
3091	562554.17	4234501.4	1.75E-03	1.56E-03	2.97E-04	2.50E-04	1.41E-03	1.15E-03	2.32E-04	2.22E-04	1.73E-04	1.14E-04
3092	562558.41	4234493.2	1.74E-03	1.55E-03	2.94E-04	2.48E-04	1.40E-03	1.14E-03	2.30E-04	2.20E-04	1.71E-04	1.12E-04
3093	562562.65	4234485.01	1.72E-03	1.53E-03	2.91E-04	2.46E-04	1.39E-03	1.12E-03	2.27E-04	2.18E-04	1.70E-04	1.11E-04
3094	562566.89	4234476.81	1.70E-03	1.51E-03	2.88E-04	2.43E-04	1.37E-03	1.11E-03	2.25E-04	2.15E-04	1.68E-04	1.10E-04
3095	562571.13	4234468.61	1.68E-03	1.50E-03	2.84E-04	2.40E-04	1.35E-03	1.10E-03	2.22E-04	2.13E-04	1.66E-04	1.09E-04
3096	562575.37	4234460.41	1.65E-03	1.48E-03	2.81E-04	2.36E-04	1.34E-03	1.08E-03	2.19E-04	2.10E-04	1.63E-04	1.07E-04
3097	562579.61	4234452.21	1.63E-03	1.45E-03	2.77E-04	2.33E-04	1.32E-03	1.07E-03	2.16E-04	2.07E-04	1.61E-04	1.06E-04
3098	562583.85	4234444.01	1.61E-03	1.43E-03	2.72E-04	2.30E-04	1.30E-03	1.05E-03	2.12E-04	2.04E-04	1.59E-04	1.04E-04
3099	562588.09	4234435.81	1.58E-03	1.41E-03	2.68E-04	2.26E-04	1.28E-03	1.03E-03	2.09E-04	2.01E-04	1.56E-04	1.02E-04
3100	562592.33	4234427.62	1.56E-03	1.39E-03	2.64E-04	2.23E-04	1.26E-03	1.02E-03	2.06E-04	1.98E-04	1.54E-04	1.01E-04
3101	562596.57	4234419.42	1.53E-03	1.37E-03	2.60E-04	2.19E-04	1.24E-03	1.00E-03	2.03E-04	1.95E-04	1.51E-04	9.94E-05

3102	562600.81	4234411.22	1.51E-03	1.35E-03	2.56E-04	2.16E-04	1.22E-03	9.89E-04	2.00E-04	1.92E-04	1.49E-04	9.79E-05
3103	562605.05	4234403.02	1.49E-03	1.33E-03	2.53E-04	2.13E-04	1.20E-03	9.76E-04	1.97E-04	1.89E-04	1.47E-04	9.66E-05
3104	562609.29	4234394.82	1.47E-03	1.31E-03	2.50E-04	2.11E-04	1.19E-03	9.64E-04	1.95E-04	1.87E-04	1.46E-04	9.55E-05
3105	562613.53	4234386.62	1.46E-03	1.30E-03	2.48E-04	2.09E-04	1.18E-03	9.55E-04	1.93E-04	1.85E-04	1.44E-04	9.46E-05
3106	562617.77	4234378.42	1.44E-03	1.29E-03	2.45E-04	2.06E-04	1.16E-03	9.43E-04	1.91E-04	1.83E-04	1.42E-04	9.34E-05
3107	562622.01	4234370.23	1.43E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.33E-04	1.89E-04	1.81E-04	1.41E-04	9.24E-05
3108	562626.25	4234362.03	1.42E-03	1.26E-03	2.40E-04	2.03E-04	1.14E-03	9.27E-04	1.87E-04	1.80E-04	1.40E-04	9.18E-05
3109	562630.49	4234353.83	1.41E-03	1.26E-03	2.39E-04	2.02E-04	1.14E-03	9.23E-04	1.87E-04	1.79E-04	1.39E-04	9.14E-05
3110	562634.73	4234345.63	1.41E-03	1.26E-03	2.39E-04	2.01E-04	1.14E-03	9.22E-04	1.86E-04	1.79E-04	1.39E-04	9.13E-05
3111	562638.97	4234337.43	1.41E-03	1.26E-03	2.40E-04	2.02E-04	1.14E-03	9.24E-04	1.87E-04	1.79E-04	1.39E-04	9.15E-05
3112	562643.21	4234329.23	1.42E-03	1.27E-03	2.41E-04	2.03E-04	1.15E-03	9.28E-04	1.88E-04	1.80E-04	1.40E-04	9.19E-05
3113	562647.45	4234321.03	1.44E-03	1.29E-03	2.44E-04	2.06E-04	1.16E-03	9.43E-04	1.91E-04	1.83E-04	1.42E-04	9.34E-05
3114	562651.69	4234312.84	1.47E-03	1.31E-03	2.50E-04	2.11E-04	1.19E-03	9.63E-04	1.95E-04	1.87E-04	1.45E-04	9.54E-05
3115	562655.93	4234304.64	1.51E-03	1.35E-03	2.56E-04	2.16E-04	1.22E-03	9.88E-04	2.00E-04	1.92E-04	1.49E-04	9.79E-05
3116	562660.17	4234296.44	1.55E-03	1.38E-03	2.63E-04	2.21E-04	1.25E-03	1.01E-03	2.05E-04	1.96E-04	1.53E-04	1.00E-04
3117	562664.41	4234288.24	1.59E-03	1.42E-03	2.70E-04	2.27E-04	1.28E-03	1.04E-03	2.10E-04	2.02E-04	1.57E-04	1.03E-04
3118	562668.65	4234280.04	1.63E-03	1.46E-03	2.77E-04	2.34E-04	1.32E-03	1.07E-03	2.16E-04	2.07E-04	1.61E-04	1.06E-04
3119	562672.89	4234271.84	1.68E-03	1.50E-03	2.85E-04	2.40E-04	1.36E-03	1.10E-03	2.22E-04	2.13E-04	1.66E-04	1.09E-04
3120	562677.13	4234263.64	1.72E-03	1.54E-03	2.92E-04	2.46E-04	1.39E-03	1.13E-03	2.28E-04	2.19E-04	1.70E-04	1.12E-04
3121	562681.37	4234255.45	1.77E-03	1.57E-03	3.00E-04	2.52E-04	1.43E-03	1.16E-03	2.33E-04	2.24E-04	1.74E-04	1.14E-04
3122	562685.61	4234247.25	1.81E-03	1.61E-03	3.07E-04	2.59E-04	1.46E-03	1.18E-03	2.39E-04	2.30E-04	1.79E-04	1.17E-04
3123	562689.85	4234239.05	1.85E-03	1.65E-03	3.15E-04	2.65E-04	1.50E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
3124	562694.09	4234230.85	1.90E-03	1.70E-03	3.23E-04	2.72E-04	1.53E-03	1.24E-03	2.51E-04	2.41E-04	1.88E-04	1.23E-04
3125	562698.33	4234222.65	1.95E-03	1.74E-03	3.30E-04	2.79E-04	1.57E-03	1.27E-03	2.58E-04	2.47E-04	1.92E-04	1.26E-04
3126	562702.56	4234214.45	1.99E-03	1.78E-03	3.38E-04	2.85E-04	1.61E-03	1.31E-03	2.64E-04	2.53E-04	1.97E-04	1.29E-04
3127	562706.8	4234206.25	2.04E-03	1.82E-03	3.46E-04	2.92E-04	1.65E-03	1.34E-03	2.70E-04	2.59E-04	2.02E-04	1.32E-04
3128	562711.04	4234198.06	2.09E-03	1.86E-03	3.55E-04	2.99E-04	1.69E-03	1.37E-03	2.76E-04	2.65E-04	2.06E-04	1.35E-04
3129	562724.07	4234187.04	2.22E-03	1.98E-03	3.77E-04	3.18E-04	1.79E-03	1.45E-03	2.94E-04	2.82E-04	2.19E-04	1.44E-04
3130	562732.87	4234184.23	2.31E-03	2.06E-03	3.91E-04	3.30E-04	1.86E-03	1.51E-03	3.05E-04	2.93E-04	2.28E-04	1.50E-04
3131	562741.66	4234181.42	2.40E-03	2.14E-03	4.06E-04	3.43E-04	1.93E-03	1.57E-03	3.17E-04	3.04E-04	2.37E-04	1.55E-04
3132	562750.45	4234178.6	2.49E-03	2.22E-03	4.22E-04	3.56E-04	2.01E-03	1.63E-03	3.29E-04	3.16E-04	2.46E-04	1.61E-04
3133	562759.24	4234175.79	2.58E-03	2.30E-03	4.38E-04	3.69E-04	2.08E-03	1.69E-03	3.41E-04	3.27E-04	2.55E-04	1.67E-04
3134	562768.03	4234172.98	2.67E-03	2.38E-03	4.54E-04	3.82E-04	2.16E-03	1.75E-03	3.53E-04	3.39E-04	2.64E-04	1.73E-04
3135	562776.82	4234170.16	2.77E-03	2.47E-03	4.70E-04	3.96E-04	2.23E-03	1.81E-03	3.66E-04	3.51E-04	2.73E-04	1.79E-04
3136	562785.61	4234167.35	2.86E-03	2.55E-03	4.86E-04	4.09E-04	2.31E-03	1.87E-03	3.79E-04	3.63E-04	2.83E-04	1.86E-04
3137	562794.4	4234164.53	2.96E-03	2.64E-03	5.02E-04	4.23E-04	2.39E-03	1.94E-03	3.91E-04	3.75E-04	2.92E-04	1.92E-04
3138	562803.19	4234161.72	3.05E-03	2.72E-03	5.18E-04	4.36E-04	2.46E-03	2.00E-03	4.03E-04	3.87E-04	3.01E-04	1.98E-04
3139	562811.98	4234158.91	3.14E-03	2.80E-03	5.33E-04	4.49E-04	2.54E-03	2.06E-03	4.16E-04	3.99E-04	3.10E-04	2.04E-04
3140	562820.77	4234156.09	3.23E-03	2.88E-03	5.48E-04	4.62E-04	2.61E-03	2.11E-03	4.27E-04	4.10E-04	3.19E-04	2.09E-04
3141	562829.56	4234153.28	3.32E-03	2.96E-03	5.63E-04	4.74E-04	2.68E-03	2.17E-03	4.39E-04	4.21E-04	3.28E-04	2.15E-04
3142	562838.35	4234150.47	3.40E-03	3.03E-03	5.76E-04	4.86E-04	2.74E-03	2.22E-03	4.49E-04	4.31E-04	3.35E-04	2.20E-04
3143	562847.14	4234147.65	3.47E-03	3.10E-03	5.89E-04	4.96E-04	2.80E-03	2.27E-03	4.59E-04	4.40E-04	3.43E-04	2.25E-04
3144	562855.94	4234144.84	3.54E-03	3.16E-03	6.00E-04	5.06E-04	2.86E-03	2.32E-03	4.68E-04	4.49E-04	3.49E-04	2.29E-04
3145	562864.73	4234142.03	3.60E-03	3.21E-03	6.10E-04	5.15E-04	2.90E-03	2.35E-03	4.76E-04	4.57E-04	3.55E-04	2.33E-04
3146	562873.52	4234139.21	3.65E-03	3.25E-03	6.19E-04	5.22E-04	2.95E-03	2.39E-03	4.82E-04	4.63E-04	3.60E-04	2.36E-04
3147	562882.31	4234136.4	3.69E-03	3.29E-03	6.26E-04	5.27E-04	2.98E-03	2.41E-03	4.88E-04	4.68E-04	3.64E-04	2.39E-04
3148	562891.1	4234133.59	3.72E-03	3.32E-03	6.31E-04	5.32E-04	3.00E-03	2.43E-03	4.92E-04	4.72E-04	3.67E-04	2.41E-04
3149	562899.89	4234130.77	3.74E-03	3.33E-03	6.34E-04	5.34E-04	3.02E-03	2.44E-03	4.94E-04	4.74E-04	3.69E-04	2.42E-04
3150	562908.68	4234127.96	3.74E-03	3.34E-03	6.35E-04	5.35E-04	3.02E-03	2.45E-03	4.95E-04	4.75E-04	3.69E-04	2.42E-04
3151	562917.47	4234125.14	3.73E-03	3.33E-03	6.34E-04	5.34E-04	3.02E-03	2.44E-03	4.94E-04	4.74E-04	3.69E-04	2.42E-04
3152	562926.26	4234122.33	3.72E-03	3.31E-03	6.31E-04	5.31E-04	3.00E-03	2.43E-03	4.91E-04	4.72E-04	3.67E-04	2.41E-04
3153	562935.05	4234119.52	3.69E-03	3.29E-03	6.25E-04	5.27E-04	2.98E-03	2.41E-03	4.87E-04	4.68E-04	3.64E-04	2.39E-04
3154	562943.84	4234116.7	3.64E-03	3.25E-03	6.18E-04	5.21E-04	2.94E-03	2.38E-03	4.82E-04	4.62E-04	3.60E-04	2.36E-04
3155	562952.63	4234113.89	3.59E-03	3.20E-03	6.09E-04	5.13E-04	2.90E-03	2.35E-03	4.75E-04	4.55E-04	3.54E-04	2.33E-04
3156	562961.42	4234111.08	3.52E-03	3.14E-03	5.98E-04	5.04E-04	2.85E-03	2.31E-03	4.66E-04	4.47E-04	3.48E-04	2.28E-04
3157	562987.8	4234102.64	3.28E-03	2.92E-03	5.56E-04	4.69E-04	2.65E-03	2.14E-03	4.33E-04	4.16E-04	3.24E-04	2.12E-04
3158	562996.59	4234099.82	3.18E-03	2.84E-03	5.40E-04	4.55E-04	2.57E-03	2.08E-03	4.21E-04	4.04E-04	3.14E-04	2.06E-04
3159	563005.38	4234097.01	3.08E-03	2.75E-03	5.22E-04	4.40E-04	2.49E-03	2.01E-03	4.07E-04	3.91E-04	3.04E-04	1.99E-04
3160	563014.17	4234094.19	2.96E-03	2.64E-03	5.02E-04	4.23E-04	2.39E-03	1.94E-03	3.91E-04	3.75E-04	2.92E-04	1.92E-04
3161	563022.96	4234091.38	2.84E-03	2.53E-03	4.82E-04	4.06E-04	2.29E-03	1.86E-03	3.75E-04	3.60E-04	2.80E-04	1.84E-04
3162	563031.75	4234088.57	2.72E-03	2.42E-03	4.61E-04	3.89E-04	2.19E-03	1.78E-03	3.59E-04	3.45E-04	2.68E-04	1.76E-04
3163	563040.54	4234085.75	2.61E-03	2.33E-03	4.42E-04	3.73E-04	2.11E-03	1.71E-03	3.45E-04	3.31E-04	2.58E-04	1.69E-04
3164	563049.33	4234082.94	2.50E-03	2.23E-03	4.25E-04	3.58E-04	2.02E-03	1.64E-03	3.31E-04	3.18E-04	2.47E-04	1.62E-04
3165	563058.12	4234080.13	2.40E-03	2.14E-03	4.07E-04	3.43E-04	1.94E-03	1.57E-03	3.17E-04	3.04E-04	2.37E-04	1.56E-04
3166	563066.91	4234077.31	2.30E-03	2.05E-03	3.90E-04	3.29E-04	1.86E-03	1.50E-03	3.04E-04	2.92E-04	2.27E-04	1.49E-04
3167	563075.7	4234074.5	2.20E-03	1.96E-03	3.74E-04	3.15E-04	1.78E-03	1.44E-03	2.91E-04	2.79E-04	2.17E-04	1.43E-04
3168	563084.49	4234071.69	2.11E-03	1.88E-03	3.58E-04	3.01E-04	1.70E-03	1.38E-03	2.79E-04	2.67E-04	2.08E-04	1.37E-04
3169	563093.28	4234068.87	2.02E-03	1.80E-03	3.43E-04	2.89E-04	1.63E-03	1.32E-03	2.67E-04	2.56E-04	1.99E-04	1.31E-04
3170	563102.07	4234066.06	1.93E-03	1.73E-03	3.28E-04	2.77E-04	1.56E-03	1.27E-03	2.56E-04	2.45E-04	1.91E-04	1.25E-04

3171	563110.87	4234063.25	1.85E-03	1.65E-03	3.15E-04	2.65E-04	1.50E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
3172	563119.66	4234060.43	1.78E-03	1.59E-03	3.02E-04	2.54E-04	1.44E-03	1.16E-03	2.35E-04	2.26E-04	1.76E-04	1.15E-04
3173	563128.45	4234057.62	1.71E-03	1.53E-03	2.90E-04	2.45E-04	1.38E-03	1.12E-03	2.26E-04	2.17E-04	1.69E-04	1.11E-04
3174	562511.77	4234583.39	1.74E-03	1.55E-03	2.95E-04	2.49E-04	1.40E-03	1.14E-03	2.30E-04	2.21E-04	1.72E-04	1.13E-04
3175	562510.98	4234592.71	1.73E-03	1.54E-03	2.93E-04	2.47E-04	1.40E-03	1.13E-03	2.29E-04	2.19E-04	1.71E-04	1.12E-04
3176	562510.18	4234602.02	1.72E-03	1.53E-03	2.91E-04	2.45E-04	1.39E-03	1.12E-03	2.27E-04	2.18E-04	1.69E-04	1.11E-04
3177	562509.38	4234611.34	1.70E-03	1.51E-03	2.88E-04	2.43E-04	1.37E-03	1.11E-03	2.25E-04	2.15E-04	1.68E-04	1.10E-04
3178	562508.58	4234620.66	1.68E-03	1.50E-03	2.84E-04	2.40E-04	1.35E-03	1.10E-03	2.22E-04	2.13E-04	1.66E-04	1.09E-04
3179	562507.79	4234629.98	1.65E-03	1.47E-03	2.80E-04	2.36E-04	1.33E-03	1.08E-03	2.18E-04	2.09E-04	1.63E-04	1.07E-04
3180	562506.99	4234639.29	1.62E-03	1.45E-03	2.75E-04	2.32E-04	1.31E-03	1.06E-03	2.15E-04	2.06E-04	1.60E-04	1.05E-04
3181	562506.19	4234648.61	1.59E-03	1.42E-03	2.70E-04	2.27E-04	1.28E-03	1.04E-03	2.10E-04	2.02E-04	1.57E-04	1.03E-04
3182	562505.39	4234657.93	1.56E-03	1.39E-03	2.64E-04	2.22E-04	1.26E-03	1.02E-03	2.06E-04	1.97E-04	1.54E-04	1.01E-04
3183	562504.6	4234667.25	1.52E-03	1.36E-03	2.58E-04	2.17E-04	1.23E-03	9.94E-04	2.01E-04	1.93E-04	1.50E-04	9.84E-05
3184	562503.8	4234676.56	1.48E-03	1.32E-03	2.51E-04	2.12E-04	1.20E-03	9.69E-04	1.96E-04	1.88E-04	1.46E-04	9.59E-05
3185	562503	4234685.88	1.44E-03	1.28E-03	2.44E-04	2.06E-04	1.16E-03	9.42E-04	1.90E-04	1.83E-04	1.42E-04	9.33E-05
3186	562502.2	4234695.2	1.40E-03	1.25E-03	2.37E-04	2.00E-04	1.13E-03	9.15E-04	1.85E-04	1.77E-04	1.38E-04	9.06E-05
3187	562476.18	4234571.73	1.62E-03	1.44E-03	2.74E-04	2.31E-04	1.30E-03	1.06E-03	2.14E-04	2.05E-04	1.60E-04	1.05E-04
3188	562480.45	4234563.48	1.63E-03	1.45E-03	2.77E-04	2.33E-04	1.32E-03	1.07E-03	2.16E-04	2.07E-04	1.61E-04	1.06E-04
3189	562484.72	4234555.23	1.64E-03	1.47E-03	2.79E-04	2.35E-04	1.33E-03	1.07E-03	2.17E-04	2.08E-04	1.62E-04	1.06E-04
3190	562488.98	4234546.98	1.65E-03	1.47E-03	2.80E-04	2.36E-04	1.33E-03	1.08E-03	2.18E-04	2.09E-04	1.63E-04	1.07E-04
3191	562493.25	4234538.73	1.66E-03	1.48E-03	2.81E-04	2.37E-04	1.34E-03	1.08E-03	2.19E-04	2.10E-04	1.64E-04	1.07E-04
3192	562497.51	4234530.49	1.66E-03	1.48E-03	2.81E-04	2.37E-04	1.34E-03	1.08E-03	2.19E-04	2.10E-04	1.64E-04	1.07E-04
3193	562501.78	4234522.24	1.66E-03	1.48E-03	2.81E-04	2.37E-04	1.34E-03	1.08E-03	2.19E-04	2.10E-04	1.64E-04	1.07E-04
3194	562506.04	4234513.99	1.65E-03	1.47E-03	2.80E-04	2.36E-04	1.33E-03	1.08E-03	2.19E-04	2.10E-04	1.63E-04	1.07E-04
3195	562510.31	4234505.74	1.65E-03	1.47E-03	2.79E-04	2.35E-04	1.33E-03	1.08E-03	2.18E-04	2.09E-04	1.62E-04	1.07E-04
3196	562514.57	4234497.49	1.64E-03	1.46E-03	2.77E-04	2.34E-04	1.32E-03	1.07E-03	2.16E-04	2.07E-04	1.61E-04	1.06E-04
3197	562518.84	4234489.24	1.62E-03	1.45E-03	2.75E-04	2.32E-04	1.31E-03	1.06E-03	2.15E-04	2.06E-04	1.60E-04	1.05E-04
3198	562523.11	4234481	1.61E-03	1.43E-03	2.73E-04	2.30E-04	1.30E-03	1.05E-03	2.13E-04	2.04E-04	1.59E-04	1.04E-04
3199	562527.37	4234472.75	1.59E-03	1.42E-03	2.70E-04	2.28E-04	1.28E-03	1.04E-03	2.10E-04	2.02E-04	1.57E-04	1.03E-04
3200	562531.64	4234464.5	1.57E-03	1.40E-03	2.67E-04	2.25E-04	1.27E-03	1.03E-03	2.08E-04	2.00E-04	1.55E-04	1.02E-04
3201	562535.9	4234456.25	1.55E-03	1.38E-03	2.63E-04	2.22E-04	1.25E-03	1.02E-03	2.05E-04	1.97E-04	1.53E-04	1.01E-04
3202	562540.17	4234448	1.53E-03	1.37E-03	2.60E-04	2.19E-04	1.24E-03	1.00E-03	2.02E-04	1.94E-04	1.51E-04	9.92E-05
3203	562544.43	4234439.75	1.51E-03	1.35E-03	2.56E-04	2.16E-04	1.22E-03	9.87E-04	1.99E-04	1.91E-04	1.49E-04	9.77E-05
3204	562548.7	4234431.5	1.48E-03	1.32E-03	2.52E-04	2.12E-04	1.20E-03	9.71E-04	1.96E-04	1.88E-04	1.47E-04	9.62E-05
3205	562552.97	4234423.26	1.46E-03	1.30E-03	2.48E-04	2.09E-04	1.18E-03	9.56E-04	1.93E-04	1.85E-04	1.44E-04	9.46E-05
3206	562557.23	4234415.01	1.44E-03	1.28E-03	2.44E-04	2.05E-04	1.16E-03	9.40E-04	1.90E-04	1.82E-04	1.42E-04	9.31E-05
3207	562561.5	4234406.76	1.41E-03	1.26E-03	2.40E-04	2.02E-04	1.14E-03	9.25E-04	1.87E-04	1.79E-04	1.40E-04	9.16E-05
3208	562565.76	4234398.51	1.39E-03	1.24E-03	2.36E-04	1.99E-04	1.12E-03	9.10E-04	1.84E-04	1.76E-04	1.37E-04	9.01E-05
3209	562570.03	4234390.26	1.37E-03	1.22E-03	2.32E-04	1.96E-04	1.11E-03	8.96E-04	1.81E-04	1.74E-04	1.35E-04	8.88E-05
3210	562574.29	4234382.01	1.35E-03	1.21E-03	2.29E-04	1.93E-04	1.09E-03	8.84E-04	1.79E-04	1.71E-04	1.33E-04	8.75E-05
3211	562578.56	4234373.77	1.33E-03	1.19E-03	2.26E-04	1.91E-04	1.08E-03	8.73E-04	1.76E-04	1.69E-04	1.32E-04	8.65E-05
3212	562582.82	4234365.52	1.32E-03	1.18E-03	2.24E-04	1.89E-04	1.07E-03	8.65E-04	1.75E-04	1.68E-04	1.30E-04	8.56E-05
3213	562587.09	4234357.27	1.31E-03	1.17E-03	2.22E-04	1.88E-04	1.06E-03	8.58E-04	1.73E-04	1.66E-04	1.29E-04	8.50E-05
3214	562591.36	4234349.02	1.30E-03	1.16E-03	2.21E-04	1.87E-04	1.05E-03	8.54E-04	1.73E-04	1.66E-04	1.29E-04	8.46E-05
3215	562595.62	4234340.77	1.30E-03	1.16E-03	2.21E-04	1.86E-04	1.05E-03	8.52E-04	1.72E-04	1.65E-04	1.29E-04	8.44E-05
3216	562599.89	4234332.52	1.30E-03	1.16E-03	2.21E-04	1.86E-04	1.05E-03	8.51E-04	1.72E-04	1.65E-04	1.28E-04	8.43E-05
3217	562604.15	4234324.27	1.30E-03	1.16E-03	2.20E-04	1.85E-04	1.05E-03	8.48E-04	1.71E-04	1.64E-04	1.28E-04	8.40E-05
3218	562608.42	4234316.03	1.29E-03	1.15E-03	2.19E-04	1.85E-04	1.04E-03	8.45E-04	1.71E-04	1.64E-04	1.28E-04	8.37E-05
3219	562612.68	4234307.78	1.29E-03	1.15E-03	2.18E-04	1.84E-04	1.04E-03	8.42E-04	1.70E-04	1.63E-04	1.27E-04	8.34E-05
3220	562616.95	4234299.53	1.30E-03	1.16E-03	2.20E-04	1.86E-04	1.05E-03	8.50E-04	1.72E-04	1.65E-04	1.28E-04	8.42E-05
3221	562621.22	4234291.28	1.32E-03	1.18E-03	2.24E-04	1.89E-04	1.06E-03	8.63E-04	1.74E-04	1.67E-04	1.30E-04	8.55E-05
3222	562625.48	4234283.03	1.34E-03	1.20E-03	2.28E-04	1.92E-04	1.08E-03	8.78E-04	1.77E-04	1.70E-04	1.32E-04	8.69E-05
3223	562629.75	4234274.78	1.37E-03	1.22E-03	2.32E-04	1.96E-04	1.10E-03	8.95E-04	1.81E-04	1.73E-04	1.35E-04	8.86E-05
3224	562634.01	4234266.54	1.40E-03	1.24E-03	2.37E-04	2.00E-04	1.13E-03	9.13E-04	1.85E-04	1.77E-04	1.38E-04	9.04E-05
3225	562638.28	4234258.29	1.43E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.33E-04	1.89E-04	1.81E-04	1.41E-04	9.24E-05
3226	562642.54	4234250.04	1.46E-03	1.30E-03	2.47E-04	2.09E-04	1.18E-03	9.54E-04	1.93E-04	1.85E-04	1.44E-04	9.45E-05
3227	562646.81	4234241.79	1.51E-03	1.34E-03	2.55E-04	2.15E-04	1.22E-03	9.85E-04	1.99E-04	1.91E-04	1.49E-04	9.76E-05
3228	562651.07	4234233.54	1.56E-03	1.39E-03	2.65E-04	2.23E-04	1.26E-03	1.02E-03	2.06E-04	1.98E-04	1.54E-04	1.01E-04
3229	562655.34	4234225.29	1.61E-03	1.44E-03	2.73E-04	2.30E-04	1.30E-03	1.05E-03	2.13E-04	2.04E-04	1.59E-04	1.04E-04
3230	562659.61	4234217.04	1.66E-03	1.48E-03	2.81E-04	2.37E-04	1.34E-03	1.09E-03	2.19E-04	2.11E-04	1.64E-04	1.08E-04
3231	562663.87	4234208.8	1.70E-03	1.52E-03	2.88E-04	2.43E-04	1.37E-03	1.11E-03	2.25E-04	2.16E-04	1.68E-04	1.10E-04
3232	562668.14	4234200.55	1.74E-03	1.55E-03	2.95E-04	2.49E-04	1.41E-03	1.14E-03	2.30E-04	2.21E-04	1.72E-04	1.13E-04
3233	562672.4	4234192.3	1.78E-03	1.59E-03	3.02E-04	2.55E-04	1.44E-03	1.17E-03	2.36E-04	2.26E-04	1.76E-04	1.16E-04
3234	562676.67	4234184.05	1.82E-03	1.63E-03	3.09E-04	2.61E-04	1.47E-03	1.19E-03	2.41E-04	2.31E-04	1.80E-04	1.18E-04
3235	562680.93	4234175.8	1.87E-03	1.66E-03	3.17E-04	2.67E-04	1.51E-03	1.22E-03	2.47E-04	2.37E-04	1.84E-04	1.21E-04
3236	562685.2	4234167.55	1.91E-03	1.70E-03	3.24E-04	2.73E-04	1.54E-03	1.25E-03	2.52E-04	2.42E-04	1.88E-04	1.24E-04
3237	562698.31	4234156.48	2.02E-03	1.80E-03	3.43E-04	2.89E-04	1.63E-03	1.32E-03	2.68E-04	2.57E-04	2.00E-04	1.31E-04
3238	562707.15	4234153.64	2.10E-03	1.87E-03	3.56E-04	3.00E-04	1.69E-03	1.37E-03	2.78E-04	2.66E-04	2.07E-04	1.36E-04
3239	562716	4234150.81	2.18E-03	1.94E-03	3.69E-04	3.11E-04	1.76E-03	1.42E-03	2.88E-04	2.76E-04	2.15E-04	1.41E-04

3240	562724.84	4234147.98	2.26E-03	2.01E-03	3.83E-04	3.23E-04	1.82E-03	1.48E-03	2.98E-04	2.86E-04	2.23E-04	1.46E-04
3241	562733.69	4234145.15	2.34E-03	2.09E-03	3.97E-04	3.34E-04	1.89E-03	1.53E-03	3.09E-04	2.97E-04	2.31E-04	1.52E-04
3242	562742.53	4234142.32	2.42E-03	2.16E-03	4.11E-04	3.46E-04	1.96E-03	1.58E-03	3.20E-04	3.07E-04	2.39E-04	1.57E-04
3243	562751.37	4234139.49	2.51E-03	2.24E-03	4.25E-04	3.58E-04	2.02E-03	1.64E-03	3.31E-04	3.18E-04	2.47E-04	1.62E-04
3244	562760.22	4234136.66	2.59E-03	2.31E-03	4.39E-04	3.70E-04	2.09E-03	1.69E-03	3.43E-04	3.29E-04	2.56E-04	1.68E-04
3245	562769.06	4234133.83	2.67E-03	2.39E-03	4.54E-04	3.83E-04	2.16E-03	1.75E-03	3.54E-04	3.39E-04	2.64E-04	1.73E-04
3246	562777.91	4234131	2.76E-03	2.46E-03	4.68E-04	3.95E-04	2.23E-03	1.81E-03	3.65E-04	3.50E-04	2.73E-04	1.79E-04
3247	562786.75	4234128.17	2.84E-03	2.54E-03	4.82E-04	4.07E-04	2.30E-03	1.86E-03	3.76E-04	3.61E-04	2.81E-04	1.84E-04
3248	562795.6	4234125.34	2.92E-03	2.61E-03	4.96E-04	4.18E-04	2.36E-03	1.91E-03	3.87E-04	3.71E-04	2.89E-04	1.90E-04
3249	562804.44	4234122.51	3.00E-03	2.68E-03	5.10E-04	4.29E-04	2.42E-03	1.97E-03	3.97E-04	3.81E-04	2.97E-04	1.95E-04
3250	562813.28	4234119.68	3.08E-03	2.75E-03	5.22E-04	4.40E-04	2.49E-03	2.01E-03	4.07E-04	3.91E-04	3.04E-04	2.00E-04
3251	562822.13	4234116.85	3.15E-03	2.81E-03	5.35E-04	4.51E-04	2.54E-03	2.06E-03	4.17E-04	4.00E-04	3.11E-04	2.04E-04
3252	562830.97	4234114.01	3.22E-03	2.87E-03	5.46E-04	4.60E-04	2.60E-03	2.10E-03	4.25E-04	4.08E-04	3.18E-04	2.08E-04
3253	562839.82	4234111.18	3.28E-03	2.92E-03	5.56E-04	4.69E-04	2.65E-03	2.14E-03	4.33E-04	4.16E-04	3.24E-04	2.12E-04
3254	562848.66	4234108.35	3.33E-03	2.97E-03	5.65E-04	4.76E-04	2.69E-03	2.18E-03	4.40E-04	4.23E-04	3.29E-04	2.16E-04
3255	562857.5	4234105.52	3.38E-03	3.01E-03	5.73E-04	4.83E-04	2.73E-03	2.21E-03	4.46E-04	4.28E-04	3.33E-04	2.19E-04
3256	562866.35	4234102.69	3.41E-03	3.04E-03	5.79E-04	4.88E-04	2.76E-03	2.23E-03	4.51E-04	4.33E-04	3.37E-04	2.21E-04
3257	562875.19	4234099.86	3.44E-03	3.07E-03	5.84E-04	4.92E-04	2.78E-03	2.25E-03	4.55E-04	4.36E-04	3.40E-04	2.23E-04
3258	562884.04	4234097.03	3.46E-03	3.08E-03	5.87E-04	4.94E-04	2.79E-03	2.26E-03	4.57E-04	4.39E-04	3.41E-04	2.24E-04
3259	562892.88	4234094.2	3.46E-03	3.09E-03	5.88E-04	4.96E-04	2.80E-03	2.27E-03	4.58E-04	4.40E-04	3.42E-04	2.25E-04
3260	562901.73	4234091.37	3.46E-03	3.09E-03	5.87E-04	4.95E-04	2.79E-03	2.27E-03	4.58E-04	4.39E-04	3.42E-04	2.24E-04
3261	562910.57	4234088.54	3.45E-03	3.08E-03	5.85E-04	4.93E-04	2.78E-03	2.26E-03	4.56E-04	4.37E-04	3.40E-04	2.23E-04
3262	562919.41	4234085.71	3.42E-03	3.05E-03	5.81E-04	4.90E-04	2.76E-03	2.24E-03	4.53E-04	4.34E-04	3.38E-04	2.22E-04
3263	562928.26	4234082.88	3.39E-03	3.02E-03	5.75E-04	4.85E-04	2.74E-03	2.22E-03	4.48E-04	4.30E-04	3.35E-04	2.20E-04
3264	562937.1	4234080.05	3.34E-03	2.98E-03	5.67E-04	4.78E-04	2.70E-03	2.19E-03	4.42E-04	4.24E-04	3.30E-04	2.17E-04
3265	562945.95	4234077.22	3.29E-03	2.93E-03	5.58E-04	4.70E-04	2.66E-03	2.15E-03	4.35E-04	4.17E-04	3.25E-04	2.13E-04
3266	562954.79	4234074.38	3.23E-03	2.88E-03	5.47E-04	4.61E-04	2.60E-03	2.11E-03	4.27E-04	4.09E-04	3.19E-04	2.09E-04
3267	562990.17	4234063.06	2.91E-03	2.59E-03	4.93E-04	4.16E-04	2.35E-03	1.90E-03	3.84E-04	3.69E-04	2.87E-04	1.88E-04
3268	562999.01	4234060.23	2.81E-03	2.51E-03	4.78E-04	4.03E-04	2.27E-03	1.84E-03	3.72E-04	3.57E-04	2.78E-04	1.82E-04
3269	563007.86	4234057.4	2.71E-03	2.42E-03	4.61E-04	3.88E-04	2.19E-03	1.78E-03	3.59E-04	3.44E-04	2.68E-04	1.76E-04
3270	563016.7	4234054.57	2.61E-03	2.32E-03	4.42E-04	3.73E-04	2.10E-03	1.71E-03	3.45E-04	3.31E-04	2.57E-04	1.69E-04
3271	563025.54	4234051.74	2.50E-03	2.23E-03	4.24E-04	3.57E-04	2.02E-03	1.63E-03	3.30E-04	3.17E-04	2.47E-04	1.62E-04
3272	563034.39	4234048.91	2.39E-03	2.13E-03	4.06E-04	3.42E-04	1.93E-03	1.56E-03	3.16E-04	3.03E-04	2.36E-04	1.55E-04
3273	563043.23	4234046.08	2.30E-03	2.05E-03	3.90E-04	3.29E-04	1.86E-03	1.50E-03	3.04E-04	2.92E-04	2.27E-04	1.49E-04
3274	563052.08	4234043.25	2.21E-03	1.97E-03	3.74E-04	3.15E-04	1.78E-03	1.44E-03	2.92E-04	2.80E-04	2.18E-04	1.43E-04
3275	563060.92	4234040.42	2.12E-03	1.89E-03	3.59E-04	3.03E-04	1.71E-03	1.38E-03	2.80E-04	2.68E-04	2.09E-04	1.37E-04
3276	563069.76	4234037.59	2.03E-03	1.81E-03	3.44E-04	2.90E-04	1.64E-03	1.33E-03	2.68E-04	2.57E-04	2.00E-04	1.31E-04
3277	563078.61	4234034.75	1.95E-03	1.74E-03	3.30E-04	2.78E-04	1.57E-03	1.27E-03	2.57E-04	2.47E-04	1.92E-04	1.26E-04
3278	563087.45	4234031.92	1.87E-03	1.66E-03	3.17E-04	2.67E-04	1.51E-03	1.22E-03	2.47E-04	2.37E-04	1.84E-04	1.21E-04
3279	563096.3	4234029.09	1.79E-03	1.60E-03	3.04E-04	2.56E-04	1.44E-03	1.17E-03	2.37E-04	2.27E-04	1.77E-04	1.16E-04
3280	563105.14	4234026.26	1.72E-03	1.53E-03	2.91E-04	2.46E-04	1.39E-03	1.12E-03	2.27E-04	2.18E-04	1.70E-04	1.11E-04
3281	563113.99	4234023.43	1.65E-03	1.47E-03	2.80E-04	2.36E-04	1.33E-03	1.08E-03	2.18E-04	2.09E-04	1.63E-04	1.07E-04
3282	563122.83	4234020.6	1.59E-03	1.42E-03	2.69E-04	2.27E-04	1.28E-03	1.04E-03	2.10E-04	2.01E-04	1.57E-04	1.03E-04
3283	563131.67	4234017.77	1.53E-03	1.36E-03	2.59E-04	2.19E-04	1.23E-03	1.00E-03	2.02E-04	1.94E-04	1.51E-04	9.91E-05
3284	562471.92	4234579.98	1.60E-03	1.42E-03	2.71E-04	2.28E-04	1.29E-03	1.04E-03	2.11E-04	2.03E-04	1.58E-04	1.03E-04
3285	562471.12	4234589.29	1.59E-03	1.41E-03	2.69E-04	2.27E-04	1.28E-03	1.04E-03	2.10E-04	2.01E-04	1.57E-04	1.03E-04
3286	562470.32	4234598.61	1.57E-03	1.40E-03	2.67E-04	2.25E-04	1.27E-03	1.03E-03	2.08E-04	1.99E-04	1.55E-04	1.02E-04
3287	562469.53	4234607.93	1.55E-03	1.39E-03	2.64E-04	2.22E-04	1.25E-03	1.02E-03	2.05E-04	1.97E-04	1.53E-04	1.01E-04
3288	562468.73	4234617.25	1.53E-03	1.37E-03	2.60E-04	2.19E-04	1.24E-03	1.00E-03	2.03E-04	1.95E-04	1.51E-04	9.94E-05
3289	562467.93	4234626.56	1.51E-03	1.35E-03	2.56E-04	2.16E-04	1.22E-03	9.88E-04	2.00E-04	1.92E-04	1.49E-04	9.78E-05
3290	562467.13	4234635.88	1.48E-03	1.32E-03	2.52E-04	2.12E-04	1.20E-03	9.70E-04	1.96E-04	1.88E-04	1.46E-04	9.61E-05
3291	562466.34	4234645.2	1.45E-03	1.30E-03	2.47E-04	2.08E-04	1.17E-03	9.51E-04	1.92E-04	1.84E-04	1.44E-04	9.42E-05
3292	562465.54	4234654.52	1.42E-03	1.27E-03	2.41E-04	2.04E-04	1.15E-03	9.31E-04	1.88E-04	1.81E-04	1.41E-04	9.22E-05
3293	562464.74	4234663.83	1.39E-03	1.24E-03	2.36E-04	1.99E-04	1.12E-03	9.10E-04	1.84E-04	1.76E-04	1.37E-04	9.01E-05
3294	562463.94	4234673.15	1.36E-03	1.21E-03	2.30E-04	1.94E-04	1.09E-03	8.87E-04	1.79E-04	1.72E-04	1.34E-04	8.79E-05
3295	562463.15	4234682.47	1.32E-03	1.18E-03	2.24E-04	1.89E-04	1.07E-03	8.64E-04	1.75E-04	1.68E-04	1.30E-04	8.56E-05
3296	562462.35	4234691.79	1.28E-03	1.14E-03	2.18E-04	1.83E-04	1.04E-03	8.40E-04	1.70E-04	1.63E-04	1.27E-04	8.32E-05
3297	562436.35	4234568.27	1.49E-03	1.33E-03	2.53E-04	2.13E-04	1.20E-03	9.74E-04	1.97E-04	1.89E-04	1.47E-04	9.65E-05
3298	562440.64	4234559.98	1.50E-03	1.34E-03	2.55E-04	2.15E-04	1.21E-03	9.85E-04	1.99E-04	1.91E-04	1.49E-04	9.75E-05
3299	562444.93	4234551.69	1.52E-03	1.35E-03	2.58E-04	2.17E-04	1.23E-03	9.93E-04	2.01E-04	1.93E-04	1.50E-04	9.84E-05
3300	562449.22	4234543.39	1.53E-03	1.36E-03	2.59E-04	2.19E-04	1.23E-03	1.00E-03	2.02E-04	1.94E-04	1.51E-04	9.90E-05
3301	562453.51	4234535.1	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.00E-03	2.03E-04	1.95E-04	1.52E-04	9.95E-05
3302	562457.8	4234526.81	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.01E-03	2.04E-04	1.95E-04	1.52E-04	9.98E-05
3303	562462.08	4234518.52	1.54E-03	1.38E-03	2.62E-04	2.20E-04	1.24E-03	1.01E-03	2.04E-04	1.96E-04	1.52E-04	9.99E-05
3304	562466.37	4234510.22	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.01E-03	2.04E-04	1.95E-04	1.52E-04	9.98E-05
3305	562470.66	4234501.93	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.01E-03	2.03E-04	1.95E-04	1.52E-04	9.96E-05
3306	562474.95	4234493.64	1.53E-03	1.36E-03	2.60E-04	2.19E-04	1.24E-03	1.00E-03	2.02E-04	1.94E-04	1.51E-04	9.92E-05
3307	562479.24	4234485.34	1.52E-03	1.36E-03	2.58E-04	2.18E-04	1.23E-03	9.95E-04	2.01E-04	1.93E-04	1.50E-04	9.86E-05
3308	562483.53	4234477.05	1.51E-03	1.35E-03	2.56E-04	2.16E-04	1.22E-03	9.88E-04	2.00E-04	1.92E-04	1.49E-04	9.78E-05

3309	562487.82	4234468.76	1.50E-03	1.33E-03	2.54E-04	2.14E-04	1.21E-03	9.79E-04	1.98E-04	1.90E-04	1.48E-04	9.70E-05
3310	562492.1	4234460.47	1.48E-03	1.32E-03	2.51E-04	2.12E-04	1.20E-03	9.69E-04	1.96E-04	1.88E-04	1.46E-04	9.60E-05
3311	562496.39	4234452.17	1.46E-03	1.31E-03	2.48E-04	2.09E-04	1.18E-03	9.58E-04	1.94E-04	1.86E-04	1.45E-04	9.48E-05
3312	562500.68	4234443.88	1.44E-03	1.29E-03	2.45E-04	2.07E-04	1.17E-03	9.45E-04	1.91E-04	1.83E-04	1.43E-04	9.36E-05
3313	562504.97	4234435.59	1.42E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.32E-04	1.88E-04	1.81E-04	1.41E-04	9.23E-05
3314	562509.26	4234427.3	1.40E-03	1.25E-03	2.38E-04	2.01E-04	1.13E-03	9.18E-04	1.85E-04	1.78E-04	1.38E-04	9.09E-05
3315	562513.55	4234419	1.38E-03	1.23E-03	2.34E-04	1.97E-04	1.11E-03	9.03E-04	1.82E-04	1.75E-04	1.36E-04	8.94E-05
3316	562517.84	4234410.71	1.36E-03	1.21E-03	2.30E-04	1.94E-04	1.10E-03	8.88E-04	1.79E-04	1.72E-04	1.34E-04	8.79E-05
3317	562522.12	4234402.42	1.33E-03	1.19E-03	2.26E-04	1.91E-04	1.08E-03	8.72E-04	1.76E-04	1.69E-04	1.32E-04	8.64E-05
3318	562526.41	4234394.12	1.31E-03	1.17E-03	2.22E-04	1.87E-04	1.06E-03	8.57E-04	1.73E-04	1.66E-04	1.29E-04	8.49E-05
3319	562530.7	4234385.83	1.29E-03	1.15E-03	2.18E-04	1.84E-04	1.04E-03	8.43E-04	1.70E-04	1.63E-04	1.27E-04	8.35E-05
3320	562534.99	4234377.54	1.27E-03	1.13E-03	2.15E-04	1.81E-04	1.02E-03	8.29E-04	1.68E-04	1.61E-04	1.25E-04	8.21E-05
3321	562539.28	4234369.25	1.25E-03	1.11E-03	2.12E-04	1.78E-04	1.01E-03	8.16E-04	1.65E-04	1.58E-04	1.23E-04	8.08E-05
3322	562543.57	4234360.95	1.23E-03	1.10E-03	2.09E-04	1.76E-04	9.93E-04	8.05E-04	1.63E-04	1.56E-04	1.21E-04	7.97E-05
3323	562547.86	4234352.66	1.21E-03	1.08E-03	2.06E-04	1.74E-04	9.80E-04	7.95E-04	1.61E-04	1.54E-04	1.20E-04	7.87E-05
3324	562552.14	4234344.37	1.20E-03	1.07E-03	2.04E-04	1.72E-04	9.70E-04	7.87E-04	1.59E-04	1.53E-04	1.19E-04	7.79E-05
3325	562556.43	4234336.07	1.19E-03	1.06E-03	2.02E-04	1.71E-04	9.63E-04	7.80E-04	1.58E-04	1.51E-04	1.18E-04	7.73E-05
3326	562560.72	4234327.78	1.19E-03	1.06E-03	2.01E-04	1.70E-04	9.58E-04	7.76E-04	1.57E-04	1.51E-04	1.17E-04	7.69E-05
3327	562565.01	4234319.49	1.18E-03	1.06E-03	2.01E-04	1.69E-04	9.56E-04	7.75E-04	1.57E-04	1.50E-04	1.17E-04	7.67E-05
3328	562569.3	4234311.2	1.18E-03	1.06E-03	2.01E-04	1.69E-04	9.57E-04	7.75E-04	1.57E-04	1.50E-04	1.17E-04	7.68E-05
3329	562573.59	4234302.9	1.19E-03	1.06E-03	2.01E-04	1.70E-04	9.58E-04	7.76E-04	1.57E-04	1.51E-04	1.17E-04	7.69E-05
3330	562577.88	4234294.61	1.18E-03	1.06E-03	2.01E-04	1.69E-04	9.56E-04	7.75E-04	1.57E-04	1.50E-04	1.17E-04	7.67E-05
3331	562582.16	4234286.32	1.18E-03	1.05E-03	2.01E-04	1.69E-04	9.55E-04	7.74E-04	1.56E-04	1.50E-04	1.17E-04	7.66E-05
3332	562586.45	4234278.02	1.18E-03	1.06E-03	2.01E-04	1.69E-04	9.55E-04	7.74E-04	1.56E-04	1.50E-04	1.17E-04	7.67E-05
3333	562590.74	4234269.73	1.20E-03	1.07E-03	2.03E-04	1.71E-04	9.67E-04	7.84E-04	1.58E-04	1.52E-04	1.18E-04	7.76E-05
3334	562595.03	4234261.44	1.22E-03	1.09E-03	2.07E-04	1.74E-04	9.83E-04	7.97E-04	1.61E-04	1.54E-04	1.20E-04	7.89E-05
3335	562599.32	4234253.15	1.24E-03	1.11E-03	2.10E-04	1.77E-04	1.00E-03	8.11E-04	1.64E-04	1.57E-04	1.22E-04	8.03E-05
3336	562603.61	4234244.85	1.26E-03	1.13E-03	2.14E-04	1.81E-04	1.02E-03	8.27E-04	1.67E-04	1.60E-04	1.25E-04	8.19E-05
3337	562607.9	4234236.56	1.29E-03	1.15E-03	2.19E-04	1.85E-04	1.04E-03	8.45E-04	1.71E-04	1.64E-04	1.27E-04	8.36E-05
3338	562612.18	4234228.27	1.32E-03	1.18E-03	2.24E-04	1.89E-04	1.06E-03	8.63E-04	1.74E-04	1.67E-04	1.30E-04	8.55E-05
3339	562616.47	4234219.98	1.35E-03	1.21E-03	2.30E-04	1.93E-04	1.09E-03	8.85E-04	1.79E-04	1.72E-04	1.34E-04	8.77E-05
3340	562620.76	4234211.68	1.39E-03	1.24E-03	2.36E-04	1.99E-04	1.12E-03	9.11E-04	1.84E-04	1.77E-04	1.37E-04	9.02E-05
3341	562625.05	4234203.39	1.43E-03	1.28E-03	2.43E-04	2.05E-04	1.16E-03	9.37E-04	1.89E-04	1.82E-04	1.41E-04	9.28E-05
3342	562629.34	4234195.1	1.47E-03	1.31E-03	2.50E-04	2.10E-04	1.19E-03	9.63E-04	1.95E-04	1.87E-04	1.45E-04	9.54E-05
3343	562633.63	4234186.8	1.51E-03	1.35E-03	2.57E-04	2.16E-04	1.22E-03	9.91E-04	2.00E-04	1.92E-04	1.50E-04	9.81E-05
3344	562637.91	4234178.51	1.56E-03	1.39E-03	2.64E-04	2.23E-04	1.26E-03	1.02E-03	2.06E-04	1.98E-04	1.54E-04	1.01E-04
3345	562642.2	4234170.22	1.60E-03	1.43E-03	2.71E-04	2.29E-04	1.29E-03	1.05E-03	2.12E-04	2.03E-04	1.58E-04	1.04E-04
3346	562646.49	4234161.93	1.64E-03	1.46E-03	2.78E-04	2.34E-04	1.32E-03	1.07E-03	2.17E-04	2.08E-04	1.62E-04	1.06E-04
3347	562650.78	4234153.63	1.68E-03	1.50E-03	2.84E-04	2.40E-04	1.35E-03	1.10E-03	2.22E-04	2.13E-04	1.66E-04	1.09E-04
3348	562655.07	4234145.34	1.71E-03	1.53E-03	2.91E-04	2.45E-04	1.38E-03	1.12E-03	2.27E-04	2.17E-04	1.69E-04	1.11E-04
3349	562659.36	4234137.05	1.75E-03	1.56E-03	2.97E-04	2.50E-04	1.41E-03	1.15E-03	2.31E-04	2.22E-04	1.73E-04	1.13E-04
3350	562672.54	4234125.91	1.85E-03	1.65E-03	3.14E-04	2.65E-04	1.50E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
3351	562681.43	4234123.06	1.92E-03	1.71E-03	3.26E-04	2.75E-04	1.55E-03	1.26E-03	2.54E-04	2.44E-04	1.90E-04	1.24E-04
3352	562690.32	4234120.22	1.99E-03	1.77E-03	3.37E-04	2.84E-04	1.61E-03	1.30E-03	2.63E-04	2.52E-04	1.96E-04	1.29E-04
3353	562699.21	4234117.37	2.06E-03	1.84E-03	3.49E-04	2.94E-04	1.66E-03	1.35E-03	2.72E-04	2.61E-04	2.03E-04	1.33E-04
3354	562708.1	4234114.52	2.13E-03	1.90E-03	3.62E-04	3.05E-04	1.72E-03	1.39E-03	2.82E-04	2.70E-04	2.10E-04	1.38E-04
3355	562717	4234111.68	2.20E-03	1.97E-03	3.74E-04	3.15E-04	1.78E-03	1.44E-03	2.92E-04	2.80E-04	2.18E-04	1.43E-04
3356	562725.89	4234108.83	2.28E-03	2.03E-03	3.87E-04	3.26E-04	1.84E-03	1.49E-03	3.01E-04	2.89E-04	2.25E-04	1.48E-04
3357	562734.78	4234105.99	2.35E-03	2.10E-03	3.99E-04	3.37E-04	1.90E-03	1.54E-03	3.11E-04	2.99E-04	2.33E-04	1.53E-04
3358	562743.67	4234103.14	2.43E-03	2.17E-03	4.12E-04	3.48E-04	1.96E-03	1.59E-03	3.21E-04	3.08E-04	2.40E-04	1.58E-04
3359	562752.56	4234100.3	2.51E-03	2.24E-03	4.25E-04	3.58E-04	2.02E-03	1.64E-03	3.31E-04	3.18E-04	2.48E-04	1.62E-04
3360	562761.46	4234097.45	2.58E-03	2.30E-03	4.38E-04	3.69E-04	2.08E-03	1.69E-03	3.41E-04	3.28E-04	2.55E-04	1.67E-04
3361	562770.35	4234094.6	2.66E-03	2.37E-03	4.51E-04	3.80E-04	2.14E-03	1.74E-03	3.51E-04	3.37E-04	2.62E-04	1.72E-04
3362	562779.24	4234091.76	2.73E-03	2.43E-03	4.63E-04	3.90E-04	2.20E-03	1.79E-03	3.61E-04	3.46E-04	2.70E-04	1.77E-04
3363	562788.13	4234088.91	2.80E-03	2.50E-03	4.75E-04	4.00E-04	2.26E-03	1.83E-03	3.70E-04	3.55E-04	2.76E-04	1.81E-04
3364	562797.02	4234086.07	2.87E-03	2.56E-03	4.87E-04	4.10E-04	2.32E-03	1.88E-03	3.79E-04	3.64E-04	2.83E-04	1.86E-04
3365	562805.91	4234083.22	2.93E-03	2.61E-03	4.97E-04	4.19E-04	2.37E-03	1.92E-03	3.88E-04	3.72E-04	2.89E-04	1.90E-04
3366	562814.81	4234080.37	2.99E-03	2.67E-03	5.07E-04	4.28E-04	2.41E-03	1.96E-03	3.96E-04	3.80E-04	2.95E-04	1.94E-04
3367	562823.7	4234077.53	3.05E-03	2.72E-03	5.17E-04	4.35E-04	2.46E-03	1.99E-03	4.03E-04	3.86E-04	3.01E-04	1.97E-04
3368	562832.59	4234074.68	3.09E-03	2.76E-03	5.25E-04	4.42E-04	2.50E-03	2.02E-03	4.09E-04	3.92E-04	3.05E-04	2.00E-04
3369	562841.48	4234071.84	3.13E-03	2.80E-03	5.32E-04	4.48E-04	2.53E-03	2.05E-03	4.15E-04	3.98E-04	3.10E-04	2.03E-04
3370	562850.37	4234068.99	3.17E-03	2.83E-03	5.38E-04	4.53E-04	2.56E-03	2.07E-03	4.19E-04	4.02E-04	3.13E-04	2.05E-04
3371	562859.26	4234066.14	3.19E-03	2.85E-03	5.42E-04	4.57E-04	2.58E-03	2.09E-03	4.22E-04	4.05E-04	3.15E-04	2.07E-04
3372	562868.16	4234063.3	3.21E-03	2.87E-03	5.45E-04	4.59E-04	2.59E-03	2.10E-03	4.25E-04	4.08E-04	3.17E-04	2.08E-04
3373	562877.05	4234060.45	3.22E-03	2.87E-03	5.46E-04	4.61E-04	2.60E-03	2.11E-03	4.26E-04	4.09E-04	3.18E-04	2.09E-04
3374	562885.94	4234057.61	3.22E-03	2.87E-03	5.46E-04	4.60E-04	2.60E-03	2.11E-03	4.26E-04	4.09E-04	3.18E-04	2.09E-04
3375	562894.83	4234054.76	3.21E-03	2.86E-03	5.45E-04	4.59E-04	2.59E-03	2.10E-03	4.24E-04	4.07E-04	3.17E-04	2.08E-04
3376	562903.72	4234051.91	3.19E-03	2.85E-03	5.41E-04	4.56E-04	2.58E-03	2.09E-03	4.22E-04	4.05E-04	3.15E-04	2.07E-04
3377	562912.61	4234049.07	3.16E-03	2.82E-03	5.36E-04	4.52E-04	2.55E-03	2.07E-03	4.18E-04	4.01E-04	3.12E-04	2.05E-04

3378	562921.51	4234046.22	3.12E-03	2.79E-03	5.30E-04	4.47E-04	2.52E-03	2.04E-03	4.13E-04	3.96E-04	3.08E-04	2.02E-04
3379	562930.4	4234043.38	3.08E-03	2.75E-03	5.22E-04	4.40E-04	2.49E-03	2.01E-03	4.07E-04	3.91E-04	3.04E-04	1.99E-04
3380	562939.29	4234040.53	3.02E-03	2.70E-03	5.13E-04	4.33E-04	2.44E-03	1.98E-03	4.00E-04	3.84E-04	2.99E-04	1.96E-04
3381	562948.18	4234037.68	2.96E-03	2.64E-03	5.03E-04	4.24E-04	2.39E-03	1.94E-03	3.92E-04	3.76E-04	2.93E-04	1.92E-04
3382	562957.07	4234034.84	2.90E-03	2.58E-03	4.92E-04	4.14E-04	2.34E-03	1.90E-03	3.83E-04	3.68E-04	2.86E-04	1.88E-04
3383	562965.96	4234031.99	2.82E-03	2.52E-03	4.79E-04	4.04E-04	2.28E-03	1.85E-03	3.74E-04	3.58E-04	2.79E-04	1.83E-04
3384	562992.64	4234023.46	2.58E-03	2.30E-03	4.38E-04	3.69E-04	2.09E-03	1.69E-03	3.42E-04	3.28E-04	2.55E-04	1.67E-04
3385	563001.53	4234020.61	2.50E-03	2.23E-03	4.24E-04	3.57E-04	2.02E-03	1.63E-03	3.30E-04	3.17E-04	2.47E-04	1.62E-04
3386	563010.42	4234017.76	2.40E-03	2.14E-03	4.08E-04	3.44E-04	1.94E-03	1.57E-03	3.18E-04	3.05E-04	2.37E-04	1.56E-04
3387	563019.32	4234014.92	2.31E-03	2.06E-03	3.91E-04	3.30E-04	1.86E-03	1.51E-03	3.05E-04	2.93E-04	2.28E-04	1.49E-04
3388	563028.21	4234012.07	2.21E-03	1.97E-03	3.75E-04	3.16E-04	1.78E-03	1.45E-03	2.92E-04	2.80E-04	2.18E-04	1.43E-04
3389	563037.1	4234009.23	2.12E-03	1.89E-03	3.60E-04	3.03E-04	1.71E-03	1.39E-03	2.80E-04	2.69E-04	2.09E-04	1.37E-04
3390	563045.99	4234006.38	2.04E-03	1.82E-03	3.46E-04	2.91E-04	1.64E-03	1.33E-03	2.69E-04	2.58E-04	2.01E-04	1.32E-04
3391	563054.88	4234003.53	1.96E-03	1.74E-03	3.32E-04	2.80E-04	1.58E-03	1.28E-03	2.59E-04	2.48E-04	1.93E-04	1.27E-04
3392	563063.77	4234000.69	1.88E-03	1.68E-03	3.19E-04	2.69E-04	1.52E-03	1.23E-03	2.48E-04	2.38E-04	1.85E-04	1.22E-04
3393	563072.67	4233997.84	1.80E-03	1.61E-03	3.06E-04	2.58E-04	1.46E-03	1.18E-03	2.38E-04	2.29E-04	1.78E-04	1.17E-04
3394	563081.56	4233995	1.73E-03	1.54E-03	2.94E-04	2.48E-04	1.40E-03	1.13E-03	2.29E-04	2.20E-04	1.71E-04	1.12E-04
3395	563090.45	4233992.15	1.66E-03	1.48E-03	2.82E-04	2.38E-04	1.34E-03	1.09E-03	2.20E-04	2.11E-04	1.64E-04	1.08E-04
3396	563099.34	4233989.3	1.60E-03	1.43E-03	2.71E-04	2.28E-04	1.29E-03	1.05E-03	2.11E-04	2.03E-04	1.58E-04	1.04E-04
3397	563108.23	4233986.46	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.01E-03	2.03E-04	1.95E-04	1.52E-04	9.96E-05
3398	563117.12	4233983.61	1.48E-03	1.32E-03	2.51E-04	2.12E-04	1.19E-03	9.68E-04	1.96E-04	1.88E-04	1.46E-04	9.58E-05
3399	563126.02	4233980.77	1.43E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.33E-04	1.89E-04	1.81E-04	1.41E-04	9.24E-05
3400	563134.91	4233977.92	1.38E-03	1.23E-03	2.33E-04	1.97E-04	1.11E-03	9.00E-04	1.82E-04	1.75E-04	1.36E-04	8.92E-05
3401	562432.06	4234576.57	1.47E-03	1.31E-03	2.49E-04	2.10E-04	1.19E-03	9.62E-04	1.94E-04	1.87E-04	1.45E-04	9.53E-05
3402	562431.27	4234585.88	1.46E-03	1.30E-03	2.47E-04	2.09E-04	1.18E-03	9.54E-04	1.93E-04	1.85E-04	1.44E-04	9.45E-05
3403	562430.47	4234595.2	1.44E-03	1.29E-03	2.45E-04	2.07E-04	1.17E-03	9.45E-04	1.91E-04	1.83E-04	1.43E-04	9.36E-05
3404	562429.67	4234604.52	1.43E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.34E-04	1.89E-04	1.81E-04	1.41E-04	9.25E-05
3405	562428.87	4234613.84	1.41E-03	1.26E-03	2.39E-04	2.01E-04	1.14E-03	9.21E-04	1.86E-04	1.79E-04	1.39E-04	9.12E-05
3406	562428.08	4234623.15	1.39E-03	1.24E-03	2.35E-04	1.98E-04	1.12E-03	9.07E-04	1.83E-04	1.76E-04	1.37E-04	8.98E-05
3407	562427.28	4234632.47	1.36E-03	1.21E-03	2.31E-04	1.95E-04	1.10E-03	8.91E-04	1.80E-04	1.73E-04	1.34E-04	8.82E-05
3408	562426.48	4234641.79	1.34E-03	1.19E-03	2.27E-04	1.91E-04	1.08E-03	8.74E-04	1.77E-04	1.69E-04	1.32E-04	8.66E-05
3409	562425.68	4234651.11	1.31E-03	1.17E-03	2.22E-04	1.87E-04	1.06E-03	8.56E-04	1.73E-04	1.66E-04	1.29E-04	8.48E-05
3410	562424.89	4234660.42	1.28E-03	1.14E-03	2.17E-04	1.83E-04	1.03E-03	8.37E-04	1.69E-04	1.62E-04	1.26E-04	8.29E-05
3411	562424.09	4234669.74	1.25E-03	1.11E-03	2.12E-04	1.78E-04	1.01E-03	8.17E-04	1.65E-04	1.58E-04	1.23E-04	8.09E-05
3412	562423.29	4234679.06	1.22E-03	1.08E-03	2.06E-04	1.74E-04	9.82E-04	7.96E-04	1.61E-04	1.54E-04	1.20E-04	7.88E-05
3413	562422.49	4234688.38	1.18E-03	1.06E-03	2.01E-04	1.69E-04	9.55E-04	7.74E-04	1.56E-04	1.50E-04	1.17E-04	7.67E-05
3414	562396.44	4234564.97	1.38E-03	1.23E-03	2.33E-04	1.97E-04	1.11E-03	9.00E-04	1.82E-04	1.74E-04	1.36E-04	8.91E-05
3415	562400.68	4234556.78	1.39E-03	1.24E-03	2.36E-04	1.99E-04	1.12E-03	9.10E-04	1.84E-04	1.77E-04	1.37E-04	9.02E-05
3416	562404.91	4234548.59	1.40E-03	1.25E-03	2.38E-04	2.01E-04	1.13E-03	9.19E-04	1.86E-04	1.78E-04	1.39E-04	9.10E-05
3417	562409.15	4234540.4	1.42E-03	1.26E-03	2.40E-04	2.03E-04	1.14E-03	9.27E-04	1.87E-04	1.80E-04	1.40E-04	9.18E-05
3418	562413.38	4234532.21	1.43E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.33E-04	1.88E-04	1.81E-04	1.41E-04	9.24E-05
3419	562417.62	4234524.02	1.43E-03	1.28E-03	2.43E-04	2.05E-04	1.16E-03	9.37E-04	1.89E-04	1.82E-04	1.41E-04	9.28E-05
3420	562421.85	4234515.83	1.44E-03	1.28E-03	2.44E-04	2.05E-04	1.16E-03	9.40E-04	1.90E-04	1.82E-04	1.42E-04	9.31E-05
3421	562426.09	4234507.64	1.44E-03	1.28E-03	2.44E-04	2.06E-04	1.16E-03	9.41E-04	1.90E-04	1.82E-04	1.42E-04	9.32E-05
3422	562430.32	4234499.45	1.44E-03	1.28E-03	2.44E-04	2.06E-04	1.16E-03	9.40E-04	1.90E-04	1.82E-04	1.42E-04	9.31E-05
3423	562434.56	4234491.27	1.43E-03	1.28E-03	2.43E-04	2.05E-04	1.16E-03	9.38E-04	1.90E-04	1.82E-04	1.42E-04	9.29E-05
3424	562438.79	4234483.08	1.43E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.35E-04	1.89E-04	1.81E-04	1.41E-04	9.26E-05
3425	562443.03	4234474.89	1.42E-03	1.27E-03	2.41E-04	2.03E-04	1.15E-03	9.30E-04	1.88E-04	1.80E-04	1.40E-04	9.21E-05
3426	562447.26	4234466.7	1.41E-03	1.26E-03	2.40E-04	2.02E-04	1.14E-03	9.24E-04	1.87E-04	1.79E-04	1.39E-04	9.15E-05
3427	562451.5	4234458.51	1.40E-03	1.25E-03	2.38E-04	2.00E-04	1.13E-03	9.16E-04	1.85E-04	1.78E-04	1.38E-04	9.08E-05
3428	562455.73	4234450.32	1.39E-03	1.24E-03	2.35E-04	1.98E-04	1.12E-03	9.08E-04	1.83E-04	1.76E-04	1.37E-04	8.99E-05
3429	562459.97	4234442.13	1.37E-03	1.22E-03	2.33E-04	1.96E-04	1.11E-03	8.98E-04	1.81E-04	1.74E-04	1.35E-04	8.89E-05
3430	562464.2	4234433.94	1.35E-03	1.21E-03	2.30E-04	1.94E-04	1.09E-03	8.86E-04	1.79E-04	1.72E-04	1.34E-04	8.78E-05
3431	562468.44	4234425.76	1.34E-03	1.19E-03	2.27E-04	1.91E-04	1.08E-03	8.74E-04	1.77E-04	1.70E-04	1.32E-04	8.66E-05
3432	562472.67	4234417.57	1.32E-03	1.17E-03	2.23E-04	1.88E-04	1.06E-03	8.61E-04	1.74E-04	1.67E-04	1.30E-04	8.53E-05
3433	562476.91	4234409.38	1.30E-03	1.16E-03	2.20E-04	1.85E-04	1.05E-03	8.48E-04	1.71E-04	1.64E-04	1.28E-04	8.40E-05
3434	562481.14	4234401.19	1.27E-03	1.14E-03	2.16E-04	1.82E-04	1.03E-03	8.34E-04	1.68E-04	1.62E-04	1.26E-04	8.26E-05
3435	562485.38	4234393	1.25E-03	1.12E-03	2.12E-04	1.79E-04	1.01E-03	8.19E-04	1.66E-04	1.59E-04	1.24E-04	8.12E-05
3436	562489.61	4234384.81	1.23E-03	1.10E-03	2.09E-04	1.76E-04	9.93E-04	8.05E-04	1.63E-04	1.56E-04	1.21E-04	7.97E-05
3437	562493.84	4234376.62	1.21E-03	1.08E-03	2.05E-04	1.73E-04	9.76E-04	7.91E-04	1.60E-04	1.53E-04	1.19E-04	7.83E-05
3438	562498.08	4234368.43	1.19E-03	1.06E-03	2.01E-04	1.70E-04	9.59E-04	7.77E-04	1.57E-04	1.51E-04	1.17E-04	7.69E-05
3439	562502.31	4234360.25	1.17E-03	1.04E-03	1.98E-04	1.67E-04	9.42E-04	7.64E-04	1.54E-04	1.48E-04	1.15E-04	7.56E-05
3440	562506.55	4234352.06	1.15E-03	1.02E-03	1.95E-04	1.64E-04	9.27E-04	7.51E-04	1.52E-04	1.46E-04	1.13E-04	7.44E-05
3441	562510.78	4234343.87	1.13E-03	1.01E-03	1.92E-04	1.62E-04	9.13E-04	7.40E-04	1.50E-04	1.44E-04	1.12E-04	7.33E-05
3442	562515.02	4234335.68	1.12E-03	9.96E-04	1.89E-04	1.60E-04	9.01E-04	7.31E-04	1.48E-04	1.42E-04	1.10E-04	7.24E-05
3443	562519.25	4234327.49	1.10E-03	9.85E-04	1.87E-04	1.58E-04	8.91E-04	7.22E-04	1.46E-04	1.40E-04	1.09E-04	7.15E-05
3444	562523.49	4234319.3	1.09E-03	9.76E-04	1.86E-04	1.56E-04	8.83E-04	7.16E-04	1.45E-04	1.39E-04	1.08E-04	7.09E-05
3445	562527.72	4234311.11	1.09E-03	9.70E-04	1.84E-04	1.55E-04	8.78E-04	7.11E-04	1.44E-04	1.38E-04	1.07E-04	7.04E-05
3446	562531.96	4234302.92	1.08E-03	9.66E-04	1.84E-04	1.55E-04	8.74E-04	7.09E-04	1.43E-04	1.37E-04	1.07E-04	7.02E-05

3447	562536.19	4234294.73	1.08E-03	9.65E-04	1.84E-04	1.55E-04	8.73E-04	7.08E-04	1.43E-04	1.37E-04	1.07E-04	7.01E-05
3448	562540.43	4234286.55	1.08E-03	9.67E-04	1.84E-04	1.55E-04	8.75E-04	7.09E-04	1.43E-04	1.37E-04	1.07E-04	7.02E-05
3449	562544.66	4234278.36	1.09E-03	9.71E-04	1.85E-04	1.56E-04	8.79E-04	7.12E-04	1.44E-04	1.38E-04	1.07E-04	7.05E-05
3450	562548.9	4234270.17	1.09E-03	9.72E-04	1.85E-04	1.56E-04	8.79E-04	7.13E-04	1.44E-04	1.38E-04	1.08E-04	7.06E-05
3451	562553.13	4234261.98	1.09E-03	9.72E-04	1.85E-04	1.56E-04	8.80E-04	7.13E-04	1.44E-04	1.38E-04	1.08E-04	7.06E-05
3452	562557.37	4234253.79	1.09E-03	9.74E-04	1.85E-04	1.56E-04	8.81E-04	7.14E-04	1.44E-04	1.38E-04	1.08E-04	7.07E-05
3453	562561.6	4234245.6	1.10E-03	9.80E-04	1.86E-04	1.57E-04	8.87E-04	7.19E-04	1.45E-04	1.39E-04	1.08E-04	7.12E-05
3454	562565.84	4234237.41	1.12E-03	9.96E-04	1.89E-04	1.60E-04	9.01E-04	7.30E-04	1.48E-04	1.42E-04	1.10E-04	7.23E-05
3455	562570.07	4234229.22	1.14E-03	1.01E-03	1.93E-04	1.62E-04	9.17E-04	7.43E-04	1.50E-04	1.44E-04	1.12E-04	7.36E-05
3456	562574.31	4234221.04	1.16E-03	1.03E-03	1.96E-04	1.65E-04	9.34E-04	7.57E-04	1.53E-04	1.47E-04	1.14E-04	7.50E-05
3457	562578.54	4234212.85	1.18E-03	1.05E-03	2.00E-04	1.69E-04	9.53E-04	7.72E-04	1.56E-04	1.50E-04	1.17E-04	7.65E-05
3458	562582.78	4234204.66	1.21E-03	1.08E-03	2.04E-04	1.72E-04	9.73E-04	7.89E-04	1.59E-04	1.53E-04	1.19E-04	7.81E-05
3459	562587.01	4234196.47	1.23E-03	1.10E-03	2.09E-04	1.76E-04	9.94E-04	8.06E-04	1.63E-04	1.56E-04	1.22E-04	7.98E-05
3460	562591.24	4234188.28	1.26E-03	1.12E-03	2.14E-04	1.80E-04	1.02E-03	8.23E-04	1.66E-04	1.60E-04	1.24E-04	8.16E-05
3461	562595.48	4234180.09	1.29E-03	1.15E-03	2.18E-04	1.84E-04	1.04E-03	8.42E-04	1.70E-04	1.63E-04	1.27E-04	8.34E-05
3462	562599.71	4234171.9	1.32E-03	1.17E-03	2.23E-04	1.88E-04	1.06E-03	8.61E-04	1.74E-04	1.67E-04	1.30E-04	8.53E-05
3463	562603.95	4234163.71	1.35E-03	1.20E-03	2.28E-04	1.92E-04	1.09E-03	8.81E-04	1.78E-04	1.71E-04	1.33E-04	8.72E-05
3464	562608.18	4234155.52	1.38E-03	1.23E-03	2.34E-04	1.97E-04	1.11E-03	9.01E-04	1.82E-04	1.75E-04	1.36E-04	8.92E-05
3465	562612.42	4234147.34	1.41E-03	1.26E-03	2.39E-04	2.01E-04	1.14E-03	9.21E-04	1.86E-04	1.79E-04	1.39E-04	9.12E-05
3466	562616.65	4234139.15	1.44E-03	1.29E-03	2.45E-04	2.06E-04	1.17E-03	9.44E-04	1.91E-04	1.83E-04	1.43E-04	9.35E-05
3467	562620.89	4234130.96	1.48E-03	1.32E-03	2.51E-04	2.12E-04	1.20E-03	9.70E-04	1.96E-04	1.88E-04	1.46E-04	9.60E-05
3468	562625.12	4234122.77	1.52E-03	1.36E-03	2.58E-04	2.17E-04	1.23E-03	9.95E-04	2.01E-04	1.93E-04	1.50E-04	9.85E-05
3469	562629.36	4234114.58	1.56E-03	1.39E-03	2.65E-04	2.23E-04	1.26E-03	1.02E-03	2.06E-04	1.98E-04	1.54E-04	1.01E-04
3470	562633.59	4234106.39	1.60E-03	1.43E-03	2.71E-04	2.29E-04	1.29E-03	1.05E-03	2.11E-04	2.03E-04	1.58E-04	1.04E-04
3471	562646.61	4234095.39	1.70E-03	1.52E-03	2.89E-04	2.43E-04	1.37E-03	1.11E-03	2.25E-04	2.16E-04	1.68E-04	1.10E-04
3472	562655.39	4234092.58	1.76E-03	1.57E-03	2.99E-04	2.52E-04	1.42E-03	1.15E-03	2.33E-04	2.23E-04	1.74E-04	1.14E-04
3473	562664.17	4234089.77	1.82E-03	1.62E-03	3.09E-04	2.60E-04	1.47E-03	1.19E-03	2.41E-04	2.31E-04	1.80E-04	1.18E-04
3474	562672.95	4234086.96	1.88E-03	1.68E-03	3.19E-04	2.69E-04	1.52E-03	1.23E-03	2.49E-04	2.39E-04	1.86E-04	1.22E-04
3475	562681.73	4234084.15	1.94E-03	1.73E-03	3.30E-04	2.78E-04	1.57E-03	1.27E-03	2.57E-04	2.47E-04	1.92E-04	1.26E-04
3476	562690.51	4234081.34	2.01E-03	1.79E-03	3.41E-04	2.87E-04	1.62E-03	1.31E-03	2.66E-04	2.55E-04	1.98E-04	1.30E-04
3477	562699.29	4234078.53	2.07E-03	1.85E-03	3.52E-04	2.97E-04	1.67E-03	1.36E-03	2.74E-04	2.63E-04	2.05E-04	1.34E-04
3478	562708.07	4234075.72	2.14E-03	1.91E-03	3.63E-04	3.06E-04	1.73E-03	1.40E-03	2.83E-04	2.72E-04	2.11E-04	1.39E-04
3479	562716.85	4234072.91	2.21E-03	1.97E-03	3.74E-04	3.16E-04	1.78E-03	1.44E-03	2.92E-04	2.80E-04	2.18E-04	1.43E-04
3480	562725.63	4234070.1	2.27E-03	2.03E-03	3.86E-04	3.25E-04	1.84E-03	1.49E-03	3.01E-04	2.89E-04	2.25E-04	1.47E-04
3481	562734.41	4234067.29	2.34E-03	2.09E-03	3.97E-04	3.35E-04	1.89E-03	1.53E-03	3.10E-04	2.97E-04	2.31E-04	1.52E-04
3482	562743.19	4234064.48	2.41E-03	2.15E-03	4.09E-04	3.44E-04	1.94E-03	1.58E-03	3.18E-04	3.06E-04	2.38E-04	1.56E-04
3483	562751.97	4234061.67	2.47E-03	2.21E-03	4.20E-04	3.54E-04	2.00E-03	1.62E-03	3.27E-04	3.14E-04	2.44E-04	1.60E-04
3484	562760.75	4234058.86	2.54E-03	2.26E-03	4.31E-04	3.63E-04	2.05E-03	1.66E-03	3.36E-04	3.22E-04	2.51E-04	1.65E-04
3485	562769.53	4234056.05	2.60E-03	2.32E-03	4.41E-04	3.72E-04	2.10E-03	1.70E-03	3.44E-04	3.30E-04	2.57E-04	1.69E-04
3486	562778.31	4234053.24	2.66E-03	2.37E-03	4.52E-04	3.81E-04	2.15E-03	1.74E-03	3.52E-04	3.38E-04	2.63E-04	1.73E-04
3487	562787.09	4234050.43	2.72E-03	2.43E-03	4.61E-04	3.89E-04	2.20E-03	1.78E-03	3.60E-04	3.45E-04	2.69E-04	1.76E-04
3488	562795.87	4234047.62	2.77E-03	2.47E-03	4.71E-04	3.97E-04	2.24E-03	1.81E-03	3.67E-04	3.52E-04	2.74E-04	1.80E-04
3489	562804.65	4234044.81	2.82E-03	2.52E-03	4.79E-04	4.04E-04	2.28E-03	1.85E-03	3.73E-04	3.58E-04	2.79E-04	1.83E-04
3490	562813.43	4234042	2.87E-03	2.56E-03	4.87E-04	4.10E-04	2.32E-03	1.88E-03	3.79E-04	3.64E-04	2.83E-04	1.86E-04
3491	562822.21	4234039.19	2.91E-03	2.59E-03	4.93E-04	4.16E-04	2.35E-03	1.90E-03	3.84E-04	3.69E-04	2.87E-04	1.88E-04
3492	562830.99	4234036.38	2.94E-03	2.62E-03	4.99E-04	4.21E-04	2.37E-03	1.92E-03	3.89E-04	3.73E-04	2.90E-04	1.91E-04
3493	562839.77	4234033.57	2.97E-03	2.65E-03	5.03E-04	4.24E-04	2.40E-03	1.94E-03	3.92E-04	3.77E-04	2.93E-04	1.92E-04
3494	562848.55	4234030.76	2.99E-03	2.66E-03	5.07E-04	4.27E-04	2.41E-03	1.95E-03	3.95E-04	3.79E-04	2.95E-04	1.94E-04
3495	562857.33	4234027.95	3.00E-03	2.68E-03	5.09E-04	4.29E-04	2.42E-03	1.96E-03	3.97E-04	3.81E-04	2.96E-04	1.94E-04
3496	562866.11	4234025.14	3.00E-03	2.68E-03	5.10E-04	4.30E-04	2.43E-03	1.97E-03	3.97E-04	3.81E-04	2.97E-04	1.95E-04
3497	562874.89	4234022.33	3.00E-03	2.68E-03	5.09E-04	4.29E-04	2.42E-03	1.96E-03	3.97E-04	3.81E-04	2.96E-04	1.94E-04
3498	562883.67	4234019.52	2.99E-03	2.67E-03	5.07E-04	4.28E-04	2.41E-03	1.96E-03	3.95E-04	3.79E-04	2.95E-04	1.94E-04
3499	562892.45	4234016.71	2.97E-03	2.65E-03	5.04E-04	4.25E-04	2.40E-03	1.94E-03	3.93E-04	3.77E-04	2.93E-04	1.93E-04
3500	562901.23	4234013.9	2.94E-03	2.63E-03	4.99E-04	4.21E-04	2.38E-03	1.93E-03	3.89E-04	3.74E-04	2.91E-04	1.91E-04
3501	562910.01	4234011.09	2.91E-03	2.60E-03	4.94E-04	4.16E-04	2.35E-03	1.90E-03	3.85E-04	3.69E-04	2.87E-04	1.89E-04
3502	562918.79	4234008.28	2.87E-03	2.56E-03	4.87E-04	4.10E-04	2.32E-03	1.88E-03	3.79E-04	3.64E-04	2.83E-04	1.86E-04
3503	562927.57	4234005.47	2.82E-03	2.52E-03	4.79E-04	4.03E-04	2.28E-03	1.85E-03	3.73E-04	3.58E-04	2.79E-04	1.83E-04
3504	562936.36	4234002.65	2.77E-03	2.47E-03	4.70E-04	3.96E-04	2.23E-03	1.81E-03	3.66E-04	3.51E-04	2.73E-04	1.79E-04
3505	562945.14	4233999.84	2.71E-03	2.42E-03	4.59E-04	3.87E-04	2.19E-03	1.77E-03	3.58E-04	3.44E-04	2.67E-04	1.76E-04
3506	562953.92	4233997.03	2.64E-03	2.36E-03	4.49E-04	3.78E-04	2.14E-03	1.73E-03	3.50E-04	3.36E-04	2.61E-04	1.71E-04
3507	562962.7	4233994.22	2.58E-03	2.30E-03	4.37E-04	3.68E-04	2.08E-03	1.69E-03	3.41E-04	3.27E-04	2.54E-04	1.67E-04
3508	562971.48	4233991.41	2.51E-03	2.24E-03	4.25E-04	3.58E-04	2.02E-03	1.64E-03	3.31E-04	3.18E-04	2.47E-04	1.62E-04
3509	562997.82	4233982.98	2.28E-03	2.03E-03	3.87E-04	3.26E-04	1.84E-03	1.49E-03	3.02E-04	2.89E-04	2.25E-04	1.48E-04
3510	563006.6	4233980.17	2.20E-03	1.96E-03	3.73E-04	3.15E-04	1.78E-03	1.44E-03	2.91E-04	2.79E-04	2.17E-04	1.43E-04
3511	563015.38	4233977.36	2.11E-03	1.89E-03	3.59E-04	3.02E-04	1.71E-03	1.38E-03	2.80E-04	2.68E-04	2.09E-04	1.37E-04
3512	563024.16	4233974.55	2.03E-03	1.81E-03	3.45E-04	2.90E-04	1.64E-03	1.33E-03	2.68E-04	2.58E-04	2.01E-04	1.32E-04
3513	563032.94	4233971.74	1.95E-03	1.74E-03	3.31E-04	2.79E-04	1.57E-03	1.28E-03	2.58E-04	2.47E-04	1.93E-04	1.26E-04
3514	563041.72	4233968.93	1.88E-03	1.67E-03	3.19E-04	2.69E-04	1.52E-03	1.23E-03	2.48E-04	2.38E-04	1.85E-04	1.22E-04
3515	563050.5	4233966.12	1.81E-03	1.61E-03	3.06E-04	2.58E-04	1.46E-03	1.18E-03	2.39E-04	2.29E-04	1.78E-04	1.17E-04

3516	563059.28	4233963.31	1.73E-03	1.55E-03	2.94E-04	2.48E-04	1.40E-03	1.14E-03	2.29E-04	2.20E-04	1.71E-04	1.12E-04
3517	563068.06	4233960.5	1.67E-03	1.49E-03	2.83E-04	2.38E-04	1.35E-03	1.09E-03	2.20E-04	2.12E-04	1.65E-04	1.08E-04
3518	563076.84	4233957.69	1.60E-03	1.43E-03	2.72E-04	2.29E-04	1.29E-03	1.05E-03	2.12E-04	2.03E-04	1.58E-04	1.04E-04
3519	563085.62	4233954.88	1.54E-03	1.38E-03	2.62E-04	2.21E-04	1.25E-03	1.01E-03	2.04E-04	1.96E-04	1.52E-04	1.00E-04
3520	563094.4	4233952.07	1.49E-03	1.33E-03	2.52E-04	2.12E-04	1.20E-03	9.72E-04	1.96E-04	1.88E-04	1.47E-04	9.63E-05
3521	563103.18	4233949.26	1.43E-03	1.28E-03	2.43E-04	2.05E-04	1.16E-03	9.36E-04	1.89E-04	1.82E-04	1.41E-04	9.27E-05
3522	563111.96	4233946.45	1.38E-03	1.23E-03	2.34E-04	1.97E-04	1.11E-03	9.03E-04	1.82E-04	1.75E-04	1.36E-04	8.94E-05
3523	563120.74	4233943.64	1.33E-03	1.19E-03	2.26E-04	1.91E-04	1.08E-03	8.72E-04	1.76E-04	1.69E-04	1.32E-04	8.63E-05
3524	563129.52	4233940.83	1.29E-03	1.15E-03	2.18E-04	1.84E-04	1.04E-03	8.42E-04	1.70E-04	1.63E-04	1.27E-04	8.34E-05
3525	563138.3	4233938.02	1.25E-03	1.11E-03	2.11E-04	1.78E-04	1.01E-03	8.15E-04	1.65E-04	1.58E-04	1.23E-04	8.07E-05
3526	562392.21	4234573.15	1.36E-03	1.21E-03	2.30E-04	1.94E-04	1.10E-03	8.88E-04	1.79E-04	1.72E-04	1.34E-04	8.80E-05
3527	562391.41	4234582.47	1.35E-03	1.20E-03	2.28E-04	1.92E-04	1.09E-03	8.81E-04	1.78E-04	1.71E-04	1.33E-04	8.72E-05
3528	562390.62	4234591.79	1.33E-03	1.19E-03	2.26E-04	1.90E-04	1.08E-03	8.71E-04	1.76E-04	1.69E-04	1.32E-04	8.63E-05
3529	562389.82	4234601.11	1.32E-03	1.17E-03	2.23E-04	1.88E-04	1.06E-03	8.61E-04	1.74E-04	1.67E-04	1.30E-04	8.53E-05
3530	562389.02	4234610.42	1.30E-03	1.16E-03	2.20E-04	1.86E-04	1.05E-03	8.49E-04	1.72E-04	1.65E-04	1.28E-04	8.41E-05
3531	562388.22	4234619.74	1.28E-03	1.14E-03	2.17E-04	1.83E-04	1.03E-03	8.36E-04	1.69E-04	1.62E-04	1.26E-04	8.28E-05
3532	562387.43	4234629.06	1.26E-03	1.12E-03	2.13E-04	1.80E-04	1.01E-03	8.22E-04	1.66E-04	1.59E-04	1.24E-04	8.14E-05
3533	562386.63	4234638.38	1.23E-03	1.10E-03	2.09E-04	1.76E-04	9.95E-04	8.06E-04	1.63E-04	1.56E-04	1.22E-04	7.99E-05
3534	562385.83	4234647.69	1.21E-03	1.08E-03	2.05E-04	1.73E-04	9.75E-04	7.90E-04	1.60E-04	1.53E-04	1.19E-04	7.83E-05
3535	562385.03	4234657.01	1.18E-03	1.05E-03	2.00E-04	1.69E-04	9.54E-04	7.73E-04	1.56E-04	1.50E-04	1.17E-04	7.66E-05
3536	562384.24	4234666.33	1.15E-03	1.03E-03	1.96E-04	1.65E-04	9.32E-04	7.55E-04	1.53E-04	1.46E-04	1.14E-04	7.48E-05
3537	562383.44	4234675.65	1.13E-03	1.00E-03	1.91E-04	1.61E-04	9.09E-04	7.36E-04	1.49E-04	1.43E-04	1.11E-04	7.29E-05
3538	562382.64	4234684.96	1.10E-03	9.78E-04	1.86E-04	1.57E-04	8.85E-04	7.17E-04	1.45E-04	1.39E-04	1.08E-04	7.10E-05
3539	563069.3	4234753.4	2.64E-02	2.36E-02	4.49E-03	3.78E-03	2.14E-02	1.73E-02	3.50E-03	3.36E-03	2.61E-03	1.71E-03
3540	563068.47	4234763.01	2.55E-02	2.28E-02	4.33E-03	3.65E-03	2.06E-02	1.67E-02	3.38E-03	3.24E-03	2.52E-03	1.66E-03
3541	563067.64	4234772.61	2.44E-02	2.18E-02	4.14E-03	3.49E-03	1.97E-02	1.60E-02	3.23E-03	3.09E-03	2.41E-03	1.58E-03
3542	563066.81	4234782.22	2.31E-02	2.06E-02	3.93E-03	3.31E-03	1.87E-02	1.51E-02	3.06E-03	2.94E-03	2.29E-03	1.50E-03
3543	563065.98	4234791.82	2.18E-02	1.95E-02	3.70E-03	3.12E-03	1.76E-02	1.43E-02	2.89E-03	2.77E-03	2.16E-03	1.41E-03
3544	563065.15	4234801.42	2.04E-02	1.82E-02	3.47E-03	2.92E-03	1.65E-02	1.34E-02	2.70E-03	2.59E-03	2.02E-03	1.32E-03
3545	563064.32	4234811.03	1.90E-02	1.69E-02	3.22E-03	2.72E-03	1.53E-02	1.24E-02	2.51E-03	2.41E-03	1.88E-03	1.23E-03
3546	563063.49	4234820.63	1.75E-02	1.56E-02	2.97E-03	2.51E-03	1.41E-02	1.15E-02	2.32E-03	2.22E-03	1.73E-03	1.14E-03
3547	563062.66	4234830.24	1.60E-02	1.43E-02	2.72E-03	2.29E-03	1.29E-02	1.05E-02	2.12E-03	2.03E-03	1.58E-03	1.04E-03
3548	563061.83	4234839.84	1.45E-02	1.29E-02	2.46E-03	2.07E-03	1.17E-02	9.47E-03	1.91E-03	1.84E-03	1.43E-03	9.38E-04
3549	563061	4234849.44	1.29E-02	1.15E-02	2.20E-03	1.85E-03	1.05E-02	8.47E-03	1.71E-03	1.64E-03	1.28E-03	8.39E-04
3550	563060.17	4234859.05	1.16E-02	1.03E-02	1.96E-03	1.65E-03	9.33E-03	7.56E-03	1.53E-03	1.47E-03	1.14E-03	7.49E-04
3551	563059.33	4234752.54	2.23E-02	1.99E-02	3.79E-03	3.19E-03	1.80E-02	1.46E-02	2.95E-03	2.83E-03	2.21E-03	1.45E-03
3552	563058.5	4234762.15	2.15E-02	1.92E-02	3.66E-03	3.08E-03	1.74E-02	1.41E-02	2.85E-03	2.73E-03	2.13E-03	1.40E-03
3553	563057.67	4234771.75	2.05E-02	1.83E-02	3.48E-03	2.93E-03	1.65E-02	1.34E-02	2.71E-03	2.60E-03	2.02E-03	1.33E-03
3554	563056.84	4234781.35	1.94E-02	1.73E-02	3.29E-03	2.77E-03	1.57E-02	1.27E-02	2.57E-03	2.46E-03	1.92E-03	1.26E-03
3555	563056.01	4234790.96	1.83E-02	1.63E-02	3.10E-03	2.61E-03	1.47E-02	1.20E-02	2.42E-03	2.32E-03	1.80E-03	1.18E-03
3556	563055.18	4234800.56	1.71E-02	1.53E-02	2.90E-03	2.45E-03	1.38E-02	1.12E-02	2.26E-03	2.17E-03	1.69E-03	1.11E-03
3557	563054.35	4234810.17	1.59E-02	1.42E-02	2.70E-03	2.28E-03	1.29E-02	1.04E-02	2.11E-03	2.02E-03	1.57E-03	1.03E-03
3558	563053.52	4234819.77	1.47E-02	1.31E-02	2.50E-03	2.11E-03	1.19E-02	9.65E-03	1.95E-03	1.87E-03	1.46E-03	9.55E-04
3559	563052.69	4234829.38	1.35E-02	1.21E-02	2.29E-03	1.93E-03	1.09E-02	8.85E-03	1.79E-03	1.72E-03	1.33E-03	8.76E-04
3560	563051.86	4234838.98	1.22E-02	1.09E-02	2.07E-03	1.75E-03	9.87E-03	8.00E-03	1.62E-03	1.55E-03	1.21E-03	7.92E-04
3561	563051.03	4234848.58	1.09E-02	9.73E-03	1.85E-03	1.56E-03	8.81E-03	7.14E-03	1.44E-03	1.38E-03	1.08E-03	7.07E-04
3562	563050.2	4234858.19	9.69E-03	8.65E-03	1.64E-03	1.39E-03	7.83E-03	6.34E-03	1.28E-03	1.23E-03	9.57E-04	6.28E-04
3563	563049.37	4234751.68	1.91E-02	1.71E-02	3.25E-03	2.74E-03	1.54E-02	1.25E-02	2.53E-03	2.43E-03	1.89E-03	1.24E-03
3564	563048.54	4234761.29	1.84E-02	1.65E-02	3.13E-03	2.64E-03	1.49E-02	1.21E-02	2.44E-03	2.34E-03	1.82E-03	1.20E-03
3565	563047.71	4234770.89	1.75E-02	1.56E-02	2.97E-03	2.51E-03	1.41E-02	1.15E-02	2.32E-03	2.22E-03	1.73E-03	1.14E-03
3566	563046.88	4234780.49	1.66E-02	1.48E-02	2.81E-03	2.37E-03	1.34E-02	1.08E-02	2.19E-03	2.10E-03	1.64E-03	1.07E-03
3567	563046.05	4234790.1	1.56E-02	1.39E-02	2.65E-03	2.23E-03	1.26E-02	1.02E-02	2.07E-03	1.98E-03	1.54E-03	1.01E-03
3568	563045.22	4234799.7	1.47E-02	1.31E-02	2.49E-03	2.10E-03	1.18E-02	9.59E-03	1.94E-03	1.86E-03	1.45E-03	9.50E-04
3569	563044.39	4234809.31	1.37E-02	1.22E-02	2.32E-03	1.96E-03	1.11E-02	8.96E-03	1.81E-03	1.74E-03	1.35E-03	8.87E-04
3570	563043.56	4234818.91	1.27E-02	1.13E-02	2.16E-03	1.82E-03	1.03E-02	8.31E-03	1.68E-03	1.61E-03	1.25E-03	8.23E-04
3571	563042.73	4234828.51	1.17E-02	1.04E-02	1.98E-03	1.67E-03	9.42E-03	7.63E-03	1.54E-03	1.48E-03	1.15E-03	7.56E-04
3572	563041.9	4234838.12	1.06E-02	9.42E-03	1.79E-03	1.51E-03	8.52E-03	6.91E-03	1.40E-03	1.34E-03	1.04E-03	6.84E-04
3573	563041.07	4234847.72	9.41E-03	8.39E-03	1.60E-03	1.35E-03	7.60E-03	6.16E-03	1.24E-03	1.19E-03	9.29E-04	6.10E-04
3574	563040.24	4234857.33	8.33E-03	7.43E-03	1.41E-03	1.19E-03	6.73E-03	5.45E-03	1.10E-03	1.06E-03	8.23E-04	5.40E-04
3575	563039.41	4234750.82	1.66E-02	1.48E-02	2.82E-03	2.37E-03	1.34E-02	1.09E-02	2.20E-03	2.11E-03	1.64E-03	1.08E-03
3576	563038.58	4234760.42	1.60E-02	1.43E-02	2.72E-03	2.29E-03	1.29E-02	1.05E-02	2.12E-03	2.03E-03	1.58E-03	1.04E-03
3577	563037.75	4234770.03	1.52E-02	1.36E-02	2.58E-03	2.18E-03	1.23E-02	9.96E-03	2.01E-03	1.93E-03	1.50E-03	9.86E-04
3578	563036.92	4234779.63	1.44E-02	1.29E-02	2.45E-03	2.06E-03	1.16E-02	9.43E-03	1.91E-03	1.83E-03	1.42E-03	9.34E-04
3579	563036.09	4234789.24	1.36E-02	1.21E-02	2.31E-03	1.95E-03	1.10E-02	8.91E-03	1.80E-03	1.73E-03	1.34E-03	8.82E-04
3580	563035.26	4234798.84	1.28E-02	1.14E-02	2.17E-03	1.83E-03	1.03E-02	8.38E-03	1.69E-03	1.63E-03	1.27E-03	8.30E-04
3581	563034.43	4234808.45	1.20E-02	1.07E-02	2.04E-03	1.72E-03	9.68E-03	7.85E-03	1.59E-03	1.52E-03	1.18E-03	7.77E-04
3582	563033.6	4234818.05	1.11E-02	9.94E-03	1.89E-03	1.59E-03	9.00E-03	7.29E-03	1.47E-03	1.41E-03	1.10E-03	7.22E-04
3583	563032.77	4234827.65	1.02E-02	9.13E-03	1.74E-03	1.46E-03	8.26E-03	6.70E-03	1.35E-03	1.30E-03	1.01E-03	6.63E-04
3584	563031.94	4234837.26	9.26E-03	8.26E-03	1.57E-03	1.32E-03	7.48E-03	6.06E-03	1.22E-03	1.17E-03	9.14E-04	6.00E-04

3585	563031.11	4234846.86	8.26E-03	7.37E-03	1.40E-03	1.18E-03	6.67E-03	5.41E-03	1.09E-03	1.05E-03	8.16E-04	5.35E-04
3586	563030.28	4234856.47	7.31E-03	6.52E-03	1.24E-03	1.05E-03	5.90E-03	4.78E-03	9.67E-04	9.28E-04	7.22E-04	4.74E-04
3587	563029.45	4234749.96	1.45E-02	1.29E-02	2.46E-03	2.07E-03	1.17E-02	9.47E-03	1.91E-03	1.84E-03	1.43E-03	9.38E-04
3588	563028.62	4234759.56	1.40E-02	1.25E-02	2.37E-03	2.00E-03	1.13E-02	9.13E-03	1.85E-03	1.77E-03	1.38E-03	9.05E-04
3589	563027.79	4234769.17	1.33E-02	1.19E-02	2.26E-03	1.90E-03	1.07E-02	8.71E-03	1.76E-03	1.69E-03	1.31E-03	8.63E-04
3590	563026.96	4234778.77	1.27E-02	1.13E-02	2.15E-03	1.81E-03	1.02E-02	8.30E-03	1.68E-03	1.61E-03	1.25E-03	8.22E-04
3591	563026.13	4234788.38	1.21E-02	1.08E-02	2.05E-03	1.72E-03	9.73E-03	7.89E-03	1.59E-03	1.53E-03	1.19E-03	7.81E-04
3592	563025.3	4234797.98	1.14E-02	1.01E-02	1.93E-03	1.63E-03	9.18E-03	7.44E-03	1.50E-03	1.44E-03	1.12E-03	7.37E-04
3593	563024.47	4234807.58	1.07E-02	9.51E-03	1.81E-03	1.52E-03	8.61E-03	6.97E-03	1.41E-03	1.35E-03	1.05E-03	6.91E-04
3594	563023.64	4234817.19	9.90E-03	8.83E-03	1.68E-03	1.42E-03	8.00E-03	6.48E-03	1.31E-03	1.26E-03	9.78E-04	6.42E-04
3595	563022.81	4234826.79	9.09E-03	8.11E-03	1.54E-03	1.30E-03	7.34E-03	5.95E-03	1.20E-03	1.15E-03	8.98E-04	5.89E-04
3596	563021.98	4234836.4	8.22E-03	7.34E-03	1.40E-03	1.18E-03	6.64E-03	5.38E-03	1.09E-03	1.04E-03	8.12E-04	5.33E-04
3597	563021.15	4234846	7.35E-03	6.56E-03	1.25E-03	1.05E-03	5.94E-03	4.81E-03	9.72E-04	9.33E-04	7.26E-04	4.76E-04
3598	563020.32	4234855.61	6.53E-03	5.82E-03	1.11E-03	9.34E-04	5.27E-03	4.27E-03	8.63E-04	8.28E-04	6.45E-04	4.23E-04
3599	563019.48	4234749.1	1.27E-02	1.13E-02	2.15E-03	1.81E-03	1.02E-02	8.30E-03	1.68E-03	1.61E-03	1.25E-03	8.22E-04
3600	563018.65	4234758.7	1.22E-02	1.09E-02	2.07E-03	1.75E-03	9.86E-03	7.99E-03	1.61E-03	1.55E-03	1.21E-03	7.91E-04
3601	563017.82	4234768.31	1.17E-02	1.05E-02	1.99E-03	1.68E-03	9.48E-03	7.68E-03	1.55E-03	1.49E-03	1.16E-03	7.61E-04
3602	563016.99	4234777.91	1.13E-02	1.01E-02	1.92E-03	1.61E-03	9.11E-03	7.39E-03	1.49E-03	1.43E-03	1.11E-03	7.31E-04
3603	563016.16	4234787.51	1.08E-02	9.64E-03	1.83E-03	1.55E-03	8.73E-03	7.07E-03	1.43E-03	1.37E-03	1.07E-03	7.01E-04
3604	563015.33	4234797.12	1.02E-02	9.11E-03	1.73E-03	1.46E-03	8.24E-03	6.68E-03	1.35E-03	1.30E-03	1.01E-03	6.62E-04
3605	563014.5	4234806.72	9.57E-03	8.54E-03	1.62E-03	1.37E-03	7.73E-03	6.26E-03	1.27E-03	1.21E-03	9.45E-04	6.20E-04
3606	563013.67	4234816.33	8.89E-03	7.93E-03	1.51E-03	1.27E-03	7.18E-03	5.82E-03	1.18E-03	1.13E-03	8.78E-04	5.76E-04
3607	563012.84	4234825.93	8.15E-03	7.27E-03	1.38E-03	1.17E-03	6.58E-03	5.34E-03	1.08E-03	1.03E-03	8.05E-04	5.28E-04
3608	563012.01	4234835.54	7.38E-03	6.58E-03	1.25E-03	1.06E-03	5.96E-03	4.83E-03	9.76E-04	9.37E-04	7.29E-04	4.78E-04
3609	563011.18	4234845.14	6.61E-03	5.90E-03	1.12E-03	9.46E-04	5.34E-03	4.33E-03	8.74E-04	8.39E-04	6.53E-04	4.28E-04
3610	563010.35	4234854.74	5.89E-03	5.25E-03	9.99E-04	8.42E-04	4.76E-03	3.85E-03	7.79E-04	7.47E-04	5.82E-04	3.82E-04
3611	563009.52	4234748.24	1.13E-02	1.00E-02	1.91E-03	1.61E-03	9.08E-03	7.36E-03	1.49E-03	1.43E-03	1.11E-03	7.29E-04
3612	563008.69	4234757.84	1.08E-02	9.64E-03	1.83E-03	1.55E-03	8.73E-03	7.07E-03	1.43E-03	1.37E-03	1.07E-03	7.00E-04
3613	563007.86	4234767.45	1.05E-02	9.34E-03	1.78E-03	1.50E-03	8.46E-03	6.85E-03	1.38E-03	1.33E-03	1.03E-03	6.79E-04
3614	563007.03	4234777.05	1.01E-02	9.05E-03	1.72E-03	1.45E-03	8.19E-03	6.64E-03	1.34E-03	1.29E-03	1.00E-03	6.57E-04
3615	563006.2	4234786.65	9.79E-03	8.74E-03	1.66E-03	1.40E-03	7.91E-03	6.41E-03	1.30E-03	1.24E-03	9.67E-04	6.35E-04
3616	563005.37	4234796.26	9.25E-03	8.25E-03	1.57E-03	1.32E-03	7.47E-03	6.06E-03	1.22E-03	1.17E-03	9.14E-04	6.00E-04
3617	563004.54	4234805.86	8.67E-03	7.74E-03	1.47E-03	1.24E-03	7.00E-03	5.68E-03	1.15E-03	1.10E-03	8.57E-04	5.62E-04
3618	563003.71	4234815.47	8.05E-03	7.18E-03	1.37E-03	1.15E-03	6.50E-03	5.27E-03	1.06E-03	1.02E-03	7.95E-04	5.22E-04
3619	563002.88	4234825.07	7.38E-03	6.58E-03	1.25E-03	1.06E-03	5.96E-03	4.83E-03	9.76E-04	9.36E-04	7.29E-04	4.78E-04
3620	563002.05	4234834.67	6.68E-03	5.96E-03	1.13E-03	9.56E-04	5.40E-03	4.37E-03	8.84E-04	8.48E-04	6.60E-04	4.33E-04
3621	563001.22	4234844.28	6.00E-03	5.35E-03	1.02E-03	8.58E-04	4.84E-03	3.93E-03	7.93E-04	7.61E-04	5.92E-04	3.89E-04
3622	563000.39	4234853.88	5.36E-03	4.78E-03	9.09E-04	7.66E-04	4.33E-03	3.51E-03	7.09E-04	6.80E-04	5.29E-04	3.47E-04
3623	562999.56	4234747.38	1.02E-02	9.06E-03	1.72E-03	1.45E-03	8.20E-03	6.65E-03	1.34E-03	1.29E-03	1.00E-03	6.58E-04
3624	562998.73	4234756.98	9.75E-03	8.70E-03	1.65E-03	1.39E-03	7.87E-03	6.38E-03	1.29E-03	1.24E-03	9.63E-04	6.32E-04
3625	562997.9	4234766.58	9.46E-03	8.44E-03	1.61E-03	1.35E-03	7.64E-03	6.19E-03	1.25E-03	1.20E-03	9.35E-04	6.13E-04
3626	562997.07	4234776.19	9.15E-03	8.17E-03	1.55E-03	1.31E-03	7.39E-03	5.99E-03	1.21E-03	1.16E-03	9.04E-04	5.93E-04
3627	562996.24	4234785.79	8.81E-03	7.86E-03	1.50E-03	1.26E-03	7.11E-03	5.77E-03	1.17E-03	1.12E-03	8.70E-04	5.71E-04
3628	562995.41	4234795.4	8.36E-03	7.46E-03	1.42E-03	1.20E-03	6.75E-03	5.47E-03	1.11E-03	1.06E-03	8.25E-04	5.42E-04
3629	562994.58	4234805	7.86E-03	7.02E-03	1.33E-03	1.12E-03	6.35E-03	5.15E-03	1.04E-03	9.98E-04	7.77E-04	5.10E-04
3630	562993.75	4234814.61	7.33E-03	6.54E-03	1.24E-03	1.05E-03	5.92E-03	4.80E-03	9.69E-04	9.30E-04	7.24E-04	4.75E-04
3631	562992.92	4234824.21	6.72E-03	6.00E-03	1.14E-03	9.62E-04	5.43E-03	4.40E-03	8.89E-04	8.53E-04	6.64E-04	4.36E-04
3632	562992.09	4234833.81	6.10E-03	5.44E-03	1.03E-03	8.72E-04	4.92E-03	3.99E-03	8.06E-04	7.74E-04	6.02E-04	3.95E-04
3633	562991.26	4234843.42	5.48E-03	4.89E-03	9.30E-04	7.84E-04	4.43E-03	3.59E-03	7.25E-04	6.96E-04	5.42E-04	3.55E-04
3634	562990.43	4234853.02	4.91E-03	4.38E-03	8.33E-04	7.02E-04	3.97E-03	3.21E-03	6.50E-04	6.23E-04	4.85E-04	3.18E-04
3635	562989.59	4234746.52	9.32E-03	8.31E-03	1.58E-03	1.33E-03	7.53E-03	6.10E-03	1.23E-03	1.18E-03	9.21E-04	6.04E-04
3636	562988.76	4234756.12	8.95E-03	7.99E-03	1.52E-03	1.28E-03	7.23E-03	5.86E-03	1.18E-03	1.14E-03	8.84E-04	5.80E-04
3637	562987.93	4234765.72	8.65E-03	7.71E-03	1.47E-03	1.24E-03	6.98E-03	5.66E-03	1.14E-03	1.10E-03	8.54E-04	5.60E-04
3638	562987.1	4234775.33	8.32E-03	7.42E-03	1.41E-03	1.19E-03	6.72E-03	5.44E-03	1.10E-03	1.06E-03	8.22E-04	5.39E-04
3639	562986.27	4234784.93	7.96E-03	7.10E-03	1.35E-03	1.14E-03	6.42E-03	5.21E-03	1.05E-03	1.01E-03	7.86E-04	5.16E-04
3640	562985.44	4234794.54	7.58E-03	6.76E-03	1.29E-03	1.08E-03	6.12E-03	4.96E-03	1.00E-03	9.61E-04	7.48E-04	4.91E-04
3641	562984.61	4234804.14	7.16E-03	6.39E-03	1.21E-03	1.02E-03	5.78E-03	4.69E-03	9.47E-04	9.09E-04	7.07E-04	4.64E-04
3642	562983.78	4234813.74	6.71E-03	5.99E-03	1.14E-03	9.60E-04	5.42E-03	4.39E-03	8.87E-04	8.51E-04	6.63E-04	4.35E-04
3643	562982.95	4234823.35	6.17E-03	5.50E-03	1.05E-03	8.82E-04	4.98E-03	4.04E-03	8.15E-04	7.82E-04	6.09E-04	4.00E-04
3644	562982.12	4234832.95	5.60E-03	4.99E-03	9.50E-04	8.00E-04	4.52E-03	3.66E-03	7.40E-04	7.10E-04	5.53E-04	3.63E-04
3645	562981.29	4234842.56	5.04E-03	4.50E-03	8.56E-04	7.21E-04	4.07E-03	3.30E-03	6.67E-04	6.40E-04	4.98E-04	3.27E-04
3646	562980.46	4234852.16	4.53E-03	4.04E-03	7.69E-04	6.48E-04	3.66E-03	2.96E-03	5.99E-04	5.75E-04	4.47E-04	2.94E-04
3647	562979.63	4234745.65	8.61E-03	7.68E-03	1.46E-03	1.23E-03	6.95E-03	5.64E-03	1.14E-03	1.09E-03	8.50E-04	5.58E-04
3648	562978.8	4234755.26	8.28E-03	7.39E-03	1.41E-03	1.18E-03	6.69E-03	5.42E-03	1.10E-03	1.05E-03	8.18E-04	5.37E-04
3649	562977.97	4234764.86	7.96E-03	7.10E-03	1.35E-03	1.14E-03	6.43E-03	5.21E-03	1.05E-03	1.01E-03	7.86E-04	5.16E-04
3650	562977.14	4234774.47	7.62E-03	6.79E-03	1.29E-03	1.09E-03	6.15E-03	4.98E-03	1.01E-03	9.66E-04	7.52E-04	4.94E-04
3651	562976.31	4234784.07	7.24E-03	6.46E-03	1.23E-03	1.04E-03	5.85E-03	4.74E-03	9.58E-04	9.19E-04	7.15E-04	4.69E-04
3652	562975.48	4234793.68	6.90E-03	6.16E-03	1.17E-03	9.87E-04	5.58E-03	4.52E-03	9.13E-04	8.76E-04	6.82E-04	4.47E-04
3653	562974.65	4234803.28	6.55E-03	5.85E-03	1.11E-03	9.37E-04	5.29E-03	4.29E-03	8.67E-04	8.32E-04	6.47E-04	4.25E-04

3654	562973.82	4234812.88	6.17E-03	5.50E-03	1.05E-03	8.82E-04	4.98E-03	4.04E-03	8.16E-04	7.83E-04	6.09E-04	4.00E-04
3655	562972.99	4234822.49	5.68E-03	5.07E-03	9.64E-04	8.12E-04	4.59E-03	3.72E-03	7.51E-04	7.21E-04	5.61E-04	3.68E-04
3656	562972.16	4234832.09	5.16E-03	4.60E-03	8.75E-04	7.37E-04	4.16E-03	3.37E-03	6.82E-04	6.54E-04	5.09E-04	3.34E-04
3657	562971.33	4234841.7	4.65E-03	4.15E-03	7.89E-04	6.65E-04	3.75E-03	3.04E-03	6.15E-04	5.90E-04	4.59E-04	3.01E-04
3658	562970.5	4234851.3	4.18E-03	3.73E-03	7.09E-04	5.97E-04	3.37E-03	2.73E-03	5.52E-04	5.30E-04	4.12E-04	2.71E-04
3659	562959.71	4234743.93	7.31E-03	6.52E-03	1.24E-03	1.05E-03	5.90E-03	4.78E-03	9.67E-04	9.28E-04	7.22E-04	4.74E-04
3660	562958.88	4234753.54	7.04E-03	6.28E-03	1.19E-03	1.01E-03	5.68E-03	4.61E-03	9.31E-04	8.93E-04	6.95E-04	4.56E-04
3661	562958.05	4234763.14	6.74E-03	6.02E-03	1.14E-03	9.65E-04	5.45E-03	4.41E-03	8.92E-04	8.56E-04	6.66E-04	4.37E-04
3662	562957.22	4234772.74	6.43E-03	5.74E-03	1.09E-03	9.20E-04	5.19E-03	4.21E-03	8.51E-04	8.16E-04	6.35E-04	4.17E-04
3663	562956.39	4234782.35	6.10E-03	5.44E-03	1.03E-03	8.72E-04	4.92E-03	3.99E-03	8.06E-04	7.73E-04	6.02E-04	3.95E-04
3664	562955.56	4234791.95	5.79E-03	5.16E-03	9.82E-04	8.27E-04	4.67E-03	3.79E-03	7.65E-04	7.34E-04	5.71E-04	3.75E-04
3665	562954.73	4234801.56	5.47E-03	4.88E-03	9.29E-04	7.83E-04	4.42E-03	3.58E-03	7.24E-04	6.95E-04	5.41E-04	3.55E-04
3666	562953.9	4234811.16	5.14E-03	4.58E-03	8.72E-04	7.35E-04	4.15E-03	3.36E-03	6.79E-04	6.52E-04	5.07E-04	3.33E-04
3667	562953.07	4234820.77	4.75E-03	4.23E-03	8.05E-04	6.79E-04	3.83E-03	3.11E-03	6.28E-04	6.02E-04	4.69E-04	3.08E-04
3668	562952.24	4234830.37	4.32E-03	3.86E-03	7.34E-04	6.18E-04	3.49E-03	2.83E-03	5.72E-04	5.49E-04	4.27E-04	2.80E-04
3669	562951.41	4234839.97	3.92E-03	3.49E-03	6.65E-04	5.60E-04	3.16E-03	2.56E-03	5.18E-04	4.97E-04	3.87E-04	2.54E-04
3670	562950.58	4234849.58	3.53E-03	3.14E-03	5.98E-04	5.04E-04	2.85E-03	2.31E-03	4.66E-04	4.47E-04	3.48E-04	2.28E-04
3671	562939.78	4234742.21	6.32E-03	5.63E-03	1.07E-03	9.03E-04	5.10E-03	4.13E-03	8.35E-04	8.01E-04	6.24E-04	4.09E-04
3672	562938.95	4234751.81	6.09E-03	5.43E-03	1.03E-03	8.70E-04	4.91E-03	3.98E-03	8.05E-04	7.72E-04	6.01E-04	3.94E-04
3673	562938.12	4234761.42	5.84E-03	5.21E-03	9.91E-04	8.35E-04	4.71E-03	3.82E-03	7.72E-04	7.41E-04	5.77E-04	3.78E-04
3674	562937.29	4234771.02	5.57E-03	4.97E-03	9.45E-04	7.96E-04	4.50E-03	3.64E-03	7.36E-04	7.07E-04	5.50E-04	3.61E-04
3675	562936.46	4234780.63	5.28E-03	4.71E-03	8.95E-04	7.55E-04	4.26E-03	3.45E-03	6.98E-04	6.69E-04	5.21E-04	3.42E-04
3676	562935.63	4234790.23	4.98E-03	4.44E-03	8.45E-04	7.12E-04	4.02E-03	3.26E-03	6.59E-04	6.32E-04	4.92E-04	3.23E-04
3677	562934.8	4234799.84	4.69E-03	4.19E-03	7.96E-04	6.71E-04	3.79E-03	3.07E-03	6.20E-04	5.95E-04	4.63E-04	3.04E-04
3678	562933.97	4234809.44	4.38E-03	3.91E-03	7.44E-04	6.27E-04	3.54E-03	2.87E-03	5.79E-04	5.56E-04	4.33E-04	2.84E-04
3679	562933.14	4234819.04	4.05E-03	3.62E-03	6.88E-04	5.80E-04	3.27E-03	2.65E-03	5.36E-04	5.14E-04	4.00E-04	2.63E-04
3680	562932.31	4234828.65	3.70E-03	3.30E-03	6.28E-04	5.29E-04	2.99E-03	2.42E-03	4.90E-04	4.70E-04	3.66E-04	2.40E-04
3681	562931.48	4234838.25	3.37E-03	3.00E-03	5.71E-04	4.82E-04	2.72E-03	2.20E-03	4.45E-04	4.27E-04	3.33E-04	2.18E-04
3682	562930.65	4234847.86	3.05E-03	2.72E-03	5.18E-04	4.37E-04	2.47E-03	2.00E-03	4.04E-04	3.87E-04	3.02E-04	1.98E-04
3683	562919.85	4234740.49	5.65E-03	5.04E-03	9.59E-04	8.08E-04	4.56E-03	3.70E-03	7.47E-04	7.17E-04	5.58E-04	3.66E-04
3684	562919.02	4234750.09	5.44E-03	4.85E-03	9.23E-04	7.78E-04	4.39E-03	3.56E-03	7.20E-04	6.91E-04	5.37E-04	3.53E-04
3685	562918.19	4234759.7	5.21E-03	4.65E-03	8.85E-04	7.46E-04	4.21E-03	3.41E-03	6.90E-04	6.62E-04	5.15E-04	3.38E-04
3686	562917.36	4234769.3	4.97E-03	4.43E-03	8.43E-04	7.10E-04	4.01E-03	3.25E-03	6.57E-04	6.30E-04	4.90E-04	3.22E-04
3687	562916.53	4234778.9	4.70E-03	4.19E-03	7.97E-04	6.72E-04	3.79E-03	3.07E-03	6.21E-04	5.96E-04	4.64E-04	3.05E-04
3688	562915.7	4234788.51	4.42E-03	3.94E-03	7.49E-04	6.32E-04	3.57E-03	2.89E-03	5.84E-04	5.60E-04	4.36E-04	2.86E-04
3689	562914.87	4234798.11	4.12E-03	3.68E-03	7.00E-04	5.90E-04	3.33E-03	2.70E-03	5.45E-04	5.23E-04	4.07E-04	2.67E-04
3690	562914.04	4234807.72	3.82E-03	3.41E-03	6.48E-04	5.46E-04	3.09E-03	2.50E-03	5.05E-04	4.85E-04	3.77E-04	2.48E-04
3691	562913.21	4234817.32	3.52E-03	3.14E-03	5.97E-04	5.03E-04	2.84E-03	2.30E-03	4.65E-04	4.46E-04	3.47E-04	2.28E-04
3692	562912.38	4234826.93	3.22E-03	2.87E-03	5.46E-04	4.61E-04	2.60E-03	2.11E-03	4.26E-04	4.09E-04	3.18E-04	2.09E-04
3693	562911.55	4234836.53	2.94E-03	2.63E-03	5.00E-04	4.21E-04	2.38E-03	1.93E-03	3.89E-04	3.74E-04	2.91E-04	1.91E-04
3694	562910.72	4234846.13	2.69E-03	2.40E-03	4.57E-04	3.85E-04	2.17E-03	1.76E-03	3.56E-04	3.42E-04	2.66E-04	1.74E-04
3695	562899.93	4234738.77	5.10E-03	4.55E-03	8.65E-04	7.29E-04	4.12E-03	3.34E-03	6.74E-04	6.47E-04	5.03E-04	3.30E-04
3696	562899.1	4234748.37	4.91E-03	4.38E-03	8.32E-04	7.02E-04	3.96E-03	3.21E-03	6.49E-04	6.23E-04	4.85E-04	3.18E-04
3697	562898.27	4234757.97	4.68E-03	4.17E-03	7.94E-04	6.69E-04	3.78E-03	3.06E-03	6.19E-04	5.94E-04	4.62E-04	3.03E-04
3698	562897.44	4234767.58	4.37E-03	3.90E-03	7.41E-04	6.25E-04	3.53E-03	2.86E-03	5.77E-04	5.54E-04	4.31E-04	2.83E-04
3699	562896.61	4234777.18	4.05E-03	3.61E-03	6.87E-04	5.79E-04	3.27E-03	2.65E-03	5.35E-04	5.14E-04	4.00E-04	2.62E-04
3700	562895.78	4234786.79	3.74E-03	3.33E-03	6.34E-04	5.34E-04	3.02E-03	2.45E-03	4.94E-04	4.74E-04	3.69E-04	2.42E-04
3701	562894.95	4234796.39	3.48E-03	3.11E-03	5.91E-04	4.98E-04	2.81E-03	2.28E-03	4.61E-04	4.42E-04	3.44E-04	2.26E-04
3702	562894.12	4234806	3.23E-03	2.88E-03	5.48E-04	4.62E-04	2.61E-03	2.11E-03	4.27E-04	4.10E-04	3.19E-04	2.09E-04
3703	562893.29	4234815.6	2.98E-03	2.66E-03	5.05E-04	4.26E-04	2.40E-03	1.95E-03	3.94E-04	3.78E-04	2.94E-04	1.93E-04
3704	562892.46	4234825.2	2.78E-03	2.48E-03	4.72E-04	3.98E-04	2.25E-03	1.82E-03	3.68E-04	3.53E-04	2.75E-04	1.80E-04
3705	562891.63	4234834.81	2.60E-03	2.32E-03	4.41E-04	3.72E-04	2.10E-03	1.70E-03	3.44E-04	3.30E-04	2.57E-04	1.69E-04
3706	562890.8	4234844.41	2.44E-03	2.17E-03	4.13E-04	3.48E-04	1.97E-03	1.59E-03	3.22E-04	3.09E-04	2.40E-04	1.58E-04
3707	562880	4234737.04	4.57E-03	4.08E-03	7.75E-04	6.53E-04	3.69E-03	2.99E-03	6.04E-04	5.80E-04	4.51E-04	2.96E-04
3708	562879.17	4234746.65	4.38E-03	3.91E-03	7.43E-04	6.26E-04	3.54E-03	2.87E-03	5.79E-04	5.56E-04	4.33E-04	2.84E-04
3709	562878.34	4234756.25	4.18E-03	3.72E-03	7.08E-04	5.97E-04	3.37E-03	2.73E-03	5.52E-04	5.30E-04	4.12E-04	2.71E-04
3710	562877.51	4234765.86	3.86E-03	3.44E-03	6.55E-04	5.52E-04	3.12E-03	2.53E-03	5.10E-04	4.90E-04	3.81E-04	2.50E-04
3711	562876.68	4234775.46	3.57E-03	3.18E-03	6.05E-04	5.10E-04	2.88E-03	2.33E-03	4.72E-04	4.52E-04	3.52E-04	2.31E-04
3712	562875.85	4234785.07	3.29E-03	2.94E-03	5.59E-04	4.71E-04	2.66E-03	2.15E-03	4.35E-04	4.18E-04	3.25E-04	2.13E-04
3713	562875.02	4234794.67	3.07E-03	2.74E-03	5.21E-04	4.39E-04	2.48E-03	2.01E-03	4.06E-04	3.90E-04	3.03E-04	1.99E-04
3714	562874.19	4234804.27	2.86E-03	2.55E-03	4.85E-04	4.09E-04	2.31E-03	1.87E-03	3.78E-04	3.63E-04	2.82E-04	1.85E-04
3715	562873.36	4234813.88	2.65E-03	2.36E-03	4.49E-04	3.79E-04	2.14E-03	1.73E-03	3.50E-04	3.36E-04	2.62E-04	1.72E-04
3716	562872.53	4234823.48	2.47E-03	2.20E-03	4.19E-04	3.53E-04	1.99E-03	1.62E-03	3.26E-04	3.13E-04	2.44E-04	1.60E-04
3717	562871.7	4234833.09	2.30E-03	2.05E-03	3.90E-04	3.29E-04	1.86E-03	1.51E-03	3.04E-04	2.92E-04	2.27E-04	1.49E-04
3718	562870.87	4234842.69	2.14E-03	1.91E-03	3.63E-04	3.06E-04	1.73E-03	1.40E-03	2.83E-04	2.72E-04	2.11E-04	1.39E-04
3719	562860.08	4234735.32	3.93E-03	3.50E-03	6.66E-04	5.62E-04	3.17E-03	2.57E-03	5.19E-04	4.98E-04	3.88E-04	2.54E-04
3720	562859.25	4234744.93	3.76E-03	3.36E-03	6.39E-04	5.38E-04	3.04E-03	2.46E-03	4.98E-04	4.78E-04	3.72E-04	2.44E-04
3721	562858.42	4234754.53	3.59E-03	3.20E-03	6.09E-04	5.13E-04	2.90E-03	2.35E-03	4.75E-04	4.55E-04	3.54E-04	2.33E-04
3722	562857.59	4234764.13	3.40E-03	3.03E-03	5.76E-04	4.86E-04	2.74E-03	2.22E-03	4.49E-04	4.31E-04	3.35E-04	2.20E-04

3723	562856.76	4234773.74	3.20E-03	2.85E-03	5.43E-04	4.57E-04	2.58E-03	2.09E-03	4.23E-04	4.06E-04	3.16E-04	2.07E-04
3724	562855.93	4234783.34	3.00E-03	2.68E-03	5.09E-04	4.29E-04	2.42E-03	1.96E-03	3.97E-04	3.81E-04	2.96E-04	1.94E-04
3725	562855.1	4234792.95	2.81E-03	2.50E-03	4.76E-04	4.01E-04	2.27E-03	1.84E-03	3.71E-04	3.56E-04	2.77E-04	1.82E-04
3726	562854.27	4234802.55	2.62E-03	2.33E-03	4.44E-04	3.74E-04	2.11E-03	1.71E-03	3.46E-04	3.32E-04	2.58E-04	1.70E-04
3727	562853.44	4234812.16	2.43E-03	2.17E-03	4.12E-04	3.47E-04	1.96E-03	1.59E-03	3.21E-04	3.08E-04	2.40E-04	1.57E-04
3728	562852.61	4234821.76	2.25E-03	2.01E-03	3.82E-04	3.22E-04	1.82E-03	1.47E-03	2.98E-04	2.86E-04	2.22E-04	1.46E-04
3729	562851.78	4234831.36	2.08E-03	1.85E-03	3.53E-04	2.97E-04	1.68E-03	1.36E-03	2.75E-04	2.64E-04	2.05E-04	1.35E-04
3730	562850.95	4234840.97	1.91E-03	1.71E-03	3.25E-04	2.74E-04	1.55E-03	1.25E-03	2.53E-04	2.43E-04	1.89E-04	1.24E-04
3731	562840.15	4234733.6	3.58E-03	3.19E-03	6.07E-04	5.12E-04	2.89E-03	2.34E-03	4.73E-04	4.54E-04	3.54E-04	2.32E-04
3732	562839.32	4234743.2	3.48E-03	3.10E-03	5.90E-04	4.97E-04	2.81E-03	2.28E-03	4.60E-04	4.41E-04	3.44E-04	2.25E-04
3733	562838.49	4234752.81	3.37E-03	3.01E-03	5.72E-04	4.82E-04	2.72E-03	2.21E-03	4.46E-04	4.28E-04	3.33E-04	2.18E-04
3734	562837.66	4234762.41	3.23E-03	2.88E-03	5.48E-04	4.61E-04	2.61E-03	2.11E-03	4.27E-04	4.09E-04	3.19E-04	2.09E-04
3735	562836.83	4234772.02	3.06E-03	2.73E-03	5.19E-04	4.37E-04	2.47E-03	2.00E-03	4.04E-04	3.88E-04	3.02E-04	1.98E-04
3736	562836	4234781.62	2.88E-03	2.57E-03	4.89E-04	4.13E-04	2.33E-03	1.89E-03	3.81E-04	3.66E-04	2.85E-04	1.87E-04
3737	562835.17	4234791.23	2.71E-03	2.42E-03	4.60E-04	3.87E-04	2.19E-03	1.77E-03	3.58E-04	3.44E-04	2.68E-04	1.76E-04
3738	562834.34	4234800.83	2.53E-03	2.26E-03	4.30E-04	3.62E-04	2.05E-03	1.66E-03	3.35E-04	3.21E-04	2.50E-04	1.64E-04
3739	562833.51	4234810.43	2.36E-03	2.11E-03	4.01E-04	3.38E-04	1.91E-03	1.55E-03	3.12E-04	3.00E-04	2.33E-04	1.53E-04
3740	562832.68	4234820.04	2.19E-03	1.96E-03	3.72E-04	3.14E-04	1.77E-03	1.43E-03	2.90E-04	2.78E-04	2.17E-04	1.42E-04
3741	562831.85	4234829.64	2.03E-03	1.81E-03	3.44E-04	2.90E-04	1.64E-03	1.33E-03	2.68E-04	2.58E-04	2.00E-04	1.32E-04
3742	562831.02	4234839.25	1.88E-03	1.67E-03	3.18E-04	2.68E-04	1.51E-03	1.23E-03	2.48E-04	2.38E-04	1.85E-04	1.22E-04
3743	562820.23	4234731.88	3.35E-03	2.99E-03	5.68E-04	4.79E-04	2.70E-03	2.19E-03	4.43E-04	4.25E-04	3.31E-04	2.17E-04
3744	562819.4	4234741.48	3.29E-03	2.94E-03	5.59E-04	4.71E-04	2.66E-03	2.16E-03	4.36E-04	4.18E-04	3.25E-04	2.13E-04
3745	562818.57	4234751.09	3.23E-03	2.88E-03	5.47E-04	4.61E-04	2.60E-03	2.11E-03	4.27E-04	4.09E-04	3.19E-04	2.09E-04
3746	562817.74	4234760.69	3.11E-03	2.77E-03	5.27E-04	4.44E-04	2.51E-03	2.03E-03	4.11E-04	3.94E-04	3.07E-04	2.01E-04
3747	562816.91	4234770.29	2.94E-03	2.62E-03	4.98E-04	4.20E-04	2.37E-03	1.92E-03	3.88E-04	3.73E-04	2.90E-04	1.90E-04
3748	562816.08	4234779.9	2.77E-03	2.47E-03	4.69E-04	3.95E-04	2.23E-03	1.81E-03	3.66E-04	3.51E-04	2.73E-04	1.79E-04
3749	562815.25	4234789.5	2.59E-03	2.31E-03	4.40E-04	3.71E-04	2.09E-03	1.70E-03	3.43E-04	3.29E-04	2.56E-04	1.68E-04
3750	562814.42	4234799.11	2.42E-03	2.16E-03	4.11E-04	3.46E-04	1.96E-03	1.59E-03	3.20E-04	3.07E-04	2.39E-04	1.57E-04
3751	562813.59	4234808.71	2.26E-03	2.01E-03	3.83E-04	3.23E-04	1.82E-03	1.48E-03	2.98E-04	2.86E-04	2.23E-04	1.46E-04
3752	562812.76	4234818.32	2.09E-03	1.87E-03	3.55E-04	2.99E-04	1.69E-03	1.37E-03	2.77E-04	2.66E-04	2.07E-04	1.36E-04
3753	562811.93	4234827.92	1.94E-03	1.73E-03	3.29E-04	2.77E-04	1.56E-03	1.27E-03	2.56E-04	2.46E-04	1.91E-04	1.26E-04
3754	562811.1	4234837.52	1.79E-03	1.60E-03	3.04E-04	2.56E-04	1.44E-03	1.17E-03	2.37E-04	2.27E-04	1.77E-04	1.16E-04
3755	562800.3	4234730.16	3.24E-03	2.89E-03	5.50E-04	4.64E-04	2.62E-03	2.12E-03	4.29E-04	4.12E-04	3.20E-04	2.10E-04
3756	562799.47	4234739.76	3.14E-03	2.80E-03	5.32E-04	4.48E-04	2.53E-03	2.05E-03	4.15E-04	3.98E-04	3.10E-04	2.03E-04
3757	562798.64	4234749.36	3.01E-03	2.69E-03	5.11E-04	4.31E-04	2.43E-03	1.97E-03	3.98E-04	3.82E-04	2.97E-04	1.95E-04
3758	562797.81	4234758.97	2.87E-03	2.56E-03	4.87E-04	4.11E-04	2.32E-03	1.88E-03	3.80E-04	3.64E-04	2.84E-04	1.86E-04
3759	562796.98	4234768.57	2.72E-03	2.42E-03	4.61E-04	3.89E-04	2.19E-03	1.78E-03	3.59E-04	3.45E-04	2.68E-04	1.76E-04
3760	562796.15	4234778.18	2.56E-03	2.28E-03	4.35E-04	3.66E-04	2.07E-03	1.68E-03	3.39E-04	3.25E-04	2.53E-04	1.66E-04
3761	562795.32	4234787.78	2.41E-03	2.15E-03	4.08E-04	3.44E-04	1.94E-03	1.57E-03	3.18E-04	3.05E-04	2.38E-04	1.56E-04
3762	562794.49	4234797.39	2.25E-03	2.01E-03	3.82E-04	3.22E-04	1.82E-03	1.47E-03	2.98E-04	2.86E-04	2.22E-04	1.46E-04
3763	562793.66	4234806.99	2.10E-03	1.87E-03	3.56E-04	3.00E-04	1.69E-03	1.37E-03	2.78E-04	2.66E-04	2.07E-04	1.36E-04
3764	562792.83	4234816.59	1.95E-03	1.74E-03	3.31E-04	2.79E-04	1.57E-03	1.28E-03	2.58E-04	2.47E-04	1.93E-04	1.26E-04
3765	562792	4234826.2	1.81E-03	1.61E-03	3.07E-04	2.58E-04	1.46E-03	1.18E-03	2.39E-04	2.29E-04	1.78E-04	1.17E-04
3766	562791.17	4234835.8	1.67E-03	1.49E-03	2.84E-04	2.39E-04	1.35E-03	1.09E-03	2.21E-04	2.12E-04	1.65E-04	1.08E-04
3767	562780.37	4234728.43	3.06E-03	2.73E-03	5.19E-04	4.38E-04	2.47E-03	2.00E-03	4.05E-04	3.88E-04	3.02E-04	1.98E-04
3768	562779.54	4234738.04	2.92E-03	2.61E-03	4.96E-04	4.18E-04	2.36E-03	1.91E-03	3.86E-04	3.71E-04	2.88E-04	1.89E-04
3769	562778.71	4234747.64	2.77E-03	2.47E-03	4.71E-04	3.97E-04	2.24E-03	1.82E-03	3.67E-04	3.52E-04	2.74E-04	1.80E-04
3770	562777.88	4234757.25	2.62E-03	2.34E-03	4.45E-04	3.75E-04	2.12E-03	1.72E-03	3.47E-04	3.33E-04	2.59E-04	1.70E-04
3771	562777.05	4234766.85	2.48E-03	2.22E-03	4.22E-04	3.55E-04	2.01E-03	1.63E-03	3.29E-04	3.15E-04	2.45E-04	1.61E-04
3772	562776.22	4234776.46	2.34E-03	2.09E-03	3.98E-04	3.35E-04	1.89E-03	1.53E-03	3.10E-04	2.97E-04	2.31E-04	1.52E-04
3773	562775.39	4234786.06	2.20E-03	1.96E-03	3.74E-04	3.15E-04	1.78E-03	1.44E-03	2.91E-04	2.79E-04	2.17E-04	1.43E-04
3774	562774.56	4234795.66	2.06E-03	1.84E-03	3.50E-04	2.95E-04	1.67E-03	1.35E-03	2.73E-04	2.62E-04	2.04E-04	1.34E-04
3775	562773.73	4234805.27	1.93E-03	1.72E-03	3.27E-04	2.75E-04	1.56E-03	1.26E-03	2.55E-04	2.44E-04	1.90E-04	1.25E-04
3776	562772.9	4234814.87	1.79E-03	1.60E-03	3.04E-04	2.56E-04	1.45E-03	1.17E-03	2.37E-04	2.28E-04	1.77E-04	1.16E-04
3777	562772.07	4234824.48	1.67E-03	1.49E-03	2.83E-04	2.38E-04	1.34E-03	1.09E-03	2.20E-04	2.11E-04	1.64E-04	1.08E-04
3778	562771.24	4234834.08	1.54E-03	1.38E-03	2.62E-04	2.21E-04	1.25E-03	1.01E-03	2.04E-04	1.96E-04	1.52E-04	1.00E-04
3779	562740.52	4234724.99	2.60E-03	2.32E-03	4.42E-04	3.72E-04	2.10E-03	1.70E-03	3.44E-04	3.30E-04	2.57E-04	1.69E-04
3780	562739.69	4234734.59	2.49E-03	2.22E-03	4.23E-04	3.56E-04	2.01E-03	1.63E-03	3.29E-04	3.16E-04	2.46E-04	1.61E-04
3781	562738.86	4234744.2	2.38E-03	2.12E-03	4.03E-04	3.40E-04	1.92E-03	1.55E-03	3.14E-04	3.01E-04	2.35E-04	1.54E-04
3782	562738.03	4234753.8	2.26E-03	2.02E-03	3.83E-04	3.23E-04	1.82E-03	1.48E-03	2.99E-04	2.87E-04	2.23E-04	1.46E-04
3783	562737.2	4234763.41	2.14E-03	1.91E-03	3.64E-04	3.07E-04	1.73E-03	1.40E-03	2.84E-04	2.72E-04	2.12E-04	1.39E-04
3784	562736.37	4234773.01	2.03E-03	1.81E-03	3.44E-04	2.90E-04	1.64E-03	1.33E-03	2.68E-04	2.58E-04	2.00E-04	1.32E-04
3785	562735.54	4234782.62	1.91E-03	1.71E-03	3.25E-04	2.74E-04	1.55E-03	1.25E-03	2.53E-04	2.43E-04	1.89E-04	1.24E-04
3786	562734.71	4234792.22	1.80E-03	1.61E-03	3.06E-04	2.58E-04	1.45E-03	1.18E-03	2.38E-04	2.29E-04	1.78E-04	1.17E-04
3787	562733.88	4234801.82	1.69E-03	1.51E-03	2.87E-04	2.42E-04	1.36E-03	1.11E-03	2.23E-04	2.14E-04	1.67E-04	1.09E-04
3788	562733.05	4234811.43	1.58E-03	1.41E-03	2.68E-04	2.26E-04	1.27E-03	1.03E-03	2.09E-04	2.00E-04	1.56E-04	1.02E-04
3789	562732.22	4234821.03	1.47E-03	1.31E-03	2.50E-04	2.11E-04	1.19E-03	9.64E-04	1.95E-04	1.87E-04	1.45E-04	9.55E-05
3790	562731.39	4234830.64	1.37E-03	1.22E-03	2.33E-04	1.96E-04	1.11E-03	8.97E-04	1.81E-04	1.74E-04	1.35E-04	8.89E-05
3791	562700.67	4234721.55	2.28E-03	2.03E-03	3.86E-04	3.25E-04	1.84E-03	1.49E-03	3.01E-04	2.89E-04	2.25E-04	1.47E-04

3792	562699.84	4234731.15	2.18E-03	1.95E-03	3.71E-04	3.12E-04	1.76E-03	1.43E-03	2.89E-04	2.77E-04	2.16E-04	1.42E-04
3793	562699.01	4234740.75	2.09E-03	1.86E-03	3.55E-04	2.99E-04	1.69E-03	1.37E-03	2.76E-04	2.65E-04	2.06E-04	1.35E-04
3794	562698.18	4234750.36	1.99E-03	1.78E-03	3.38E-04	2.85E-04	1.61E-03	1.31E-03	2.64E-04	2.53E-04	1.97E-04	1.29E-04
3795	562697.35	4234759.96	1.90E-03	1.69E-03	3.22E-04	2.71E-04	1.53E-03	1.24E-03	2.51E-04	2.41E-04	1.87E-04	1.23E-04
3796	562696.52	4234769.57	1.80E-03	1.61E-03	3.06E-04	2.58E-04	1.45E-03	1.18E-03	2.38E-04	2.29E-04	1.78E-04	1.17E-04
3797	562695.69	4234779.17	1.70E-03	1.52E-03	2.89E-04	2.44E-04	1.38E-03	1.12E-03	2.25E-04	2.16E-04	1.68E-04	1.10E-04
3798	562694.86	4234788.78	1.61E-03	1.43E-03	2.73E-04	2.30E-04	1.30E-03	1.05E-03	2.13E-04	2.04E-04	1.59E-04	1.04E-04
3799	562694.03	4234798.38	1.51E-03	1.35E-03	2.57E-04	2.16E-04	1.22E-03	9.89E-04	2.00E-04	1.92E-04	1.49E-04	9.80E-05
3800	562693.2	4234807.98	1.42E-03	1.27E-03	2.41E-04	2.03E-04	1.15E-03	9.28E-04	1.88E-04	1.80E-04	1.40E-04	9.19E-05
3801	562692.37	4234817.59	1.33E-03	1.18E-03	2.25E-04	1.90E-04	1.07E-03	8.68E-04	1.76E-04	1.68E-04	1.31E-04	8.60E-05
3802	562691.54	4234827.19	1.24E-03	1.11E-03	2.10E-04	1.77E-04	1.00E-03	8.11E-04	1.64E-04	1.57E-04	1.22E-04	8.03E-05
3803	562660.82	4234718.1	1.98E-03	1.77E-03	3.36E-04	2.83E-04	1.60E-03	1.30E-03	2.62E-04	2.51E-04	1.95E-04	1.28E-04
3804	562659.99	4234727.71	1.90E-03	1.70E-03	3.22E-04	2.72E-04	1.53E-03	1.24E-03	2.51E-04	2.41E-04	1.88E-04	1.23E-04
3805	562659.16	4234737.31	1.82E-03	1.62E-03	3.09E-04	2.60E-04	1.47E-03	1.19E-03	2.41E-04	2.31E-04	1.80E-04	1.18E-04
3806	562658.33	4234746.91	1.74E-03	1.55E-03	2.95E-04	2.49E-04	1.40E-03	1.14E-03	2.30E-04	2.21E-04	1.72E-04	1.13E-04
3807	562657.5	4234756.52	1.66E-03	1.48E-03	2.81E-04	2.37E-04	1.34E-03	1.08E-03	2.19E-04	2.10E-04	1.64E-04	1.07E-04
3808	562656.67	4234766.12	1.59E-03	1.42E-03	2.69E-04	2.27E-04	1.28E-03	1.04E-03	2.10E-04	2.01E-04	1.57E-04	1.03E-04
3809	562655.84	4234775.73	1.52E-03	1.35E-03	2.57E-04	2.17E-04	1.22E-03	9.92E-04	2.01E-04	1.92E-04	1.50E-04	9.83E-05
3810	562655.01	4234785.33	1.45E-03	1.29E-03	2.45E-04	2.07E-04	1.17E-03	9.47E-04	1.91E-04	1.84E-04	1.43E-04	9.38E-05
3811	562654.18	4234794.94	1.37E-03	1.22E-03	2.32E-04	1.95E-04	1.10E-03	8.94E-04	1.81E-04	1.73E-04	1.35E-04	8.85E-05
3812	562653.35	4234804.54	1.29E-03	1.15E-03	2.18E-04	1.84E-04	1.04E-03	8.41E-04	1.70E-04	1.63E-04	1.27E-04	8.33E-05
3813	562652.52	4234814.14	1.21E-03	1.08E-03	2.05E-04	1.73E-04	9.74E-04	7.90E-04	1.60E-04	1.53E-04	1.19E-04	7.82E-05
3814	562651.69	4234823.75	1.13E-03	1.01E-03	1.92E-04	1.62E-04	9.13E-04	7.40E-04	1.50E-04	1.43E-04	1.12E-04	7.33E-05
3815	562620.97	4234714.66	1.79E-03	1.60E-03	3.04E-04	2.56E-04	1.44E-03	1.17E-03	2.37E-04	2.27E-04	1.77E-04	1.16E-04
3816	562620.14	4234724.26	1.72E-03	1.54E-03	2.93E-04	2.47E-04	1.39E-03	1.13E-03	2.28E-04	2.19E-04	1.70E-04	1.12E-04
3817	562619.31	4234733.87	1.64E-03	1.47E-03	2.79E-04	2.35E-04	1.33E-03	1.08E-03	2.17E-04	2.08E-04	1.62E-04	1.06E-04
3818	562618.48	4234743.47	1.56E-03	1.39E-03	2.64E-04	2.23E-04	1.26E-03	1.02E-03	2.06E-04	1.98E-04	1.54E-04	1.01E-04
3819	562617.65	4234753.07	1.47E-03	1.31E-03	2.50E-04	2.10E-04	1.19E-03	9.63E-04	1.95E-04	1.87E-04	1.45E-04	9.54E-05
3820	562616.82	4234762.68	1.40E-03	1.25E-03	2.37E-04	2.00E-04	1.13E-03	9.16E-04	1.85E-04	1.78E-04	1.38E-04	9.07E-05
3821	562615.99	4234772.28	1.33E-03	1.19E-03	2.26E-04	1.90E-04	1.08E-03	8.71E-04	1.76E-04	1.69E-04	1.31E-04	8.63E-05
3822	562615.16	4234781.89	1.26E-03	1.13E-03	2.14E-04	1.81E-04	1.02E-03	8.26E-04	1.67E-04	1.60E-04	1.25E-04	8.18E-05
3823	562614.33	4234791.49	1.20E-03	1.07E-03	2.04E-04	1.72E-04	9.70E-04	7.87E-04	1.59E-04	1.53E-04	1.19E-04	7.79E-05
3824	562613.5	4234801.1	1.15E-03	1.02E-03	1.95E-04	1.64E-04	9.27E-04	7.51E-04	1.52E-04	1.46E-04	1.13E-04	7.44E-05
3825	562612.67	4234810.7	1.09E-03	9.77E-04	1.86E-04	1.57E-04	8.84E-04	7.16E-04	1.45E-04	1.39E-04	1.08E-04	7.10E-05
3826	562611.84	4234820.3	1.04E-03	9.24E-04	1.76E-04	1.48E-04	8.36E-04	6.78E-04	1.37E-04	1.31E-04	1.02E-04	6.71E-05
3827	562581.12	4234711.21	1.63E-03	1.46E-03	2.77E-04	2.34E-04	1.32E-03	1.07E-03	2.16E-04	2.07E-04	1.61E-04	1.06E-04
3828	562580.29	4234720.82	1.57E-03	1.40E-03	2.67E-04	2.25E-04	1.27E-03	1.03E-03	2.08E-04	2.00E-04	1.55E-04	1.02E-04
3829	562579.46	4234730.42	1.51E-03	1.34E-03	2.55E-04	2.15E-04	1.22E-03	9.85E-04	1.99E-04	1.91E-04	1.49E-04	9.76E-05
3830	562578.63	4234740.03	1.43E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.35E-04	1.89E-04	1.81E-04	1.41E-04	9.26E-05
3831	562577.8	4234749.63	1.35E-03	1.21E-03	2.30E-04	1.94E-04	1.09E-03	8.86E-04	1.79E-04	1.72E-04	1.34E-04	8.78E-05
3832	562576.97	4234759.24	1.28E-03	1.15E-03	2.18E-04	1.84E-04	1.04E-03	8.41E-04	1.70E-04	1.63E-04	1.27E-04	8.33E-05
3833	562576.14	4234768.84	1.22E-03	1.09E-03	2.07E-04	1.75E-04	9.86E-04	7.99E-04	1.62E-04	1.55E-04	1.21E-04	7.92E-05
3834	562575.31	4234778.44	1.16E-03	1.03E-03	1.96E-04	1.66E-04	9.35E-04	7.58E-04	1.53E-04	1.47E-04	1.14E-04	7.50E-05
3835	562574.48	4234788.05	1.09E-03	9.77E-04	1.86E-04	1.57E-04	8.84E-04	7.16E-04	1.45E-04	1.39E-04	1.08E-04	7.09E-05
3836	562573.65	4234797.65	1.04E-03	9.24E-04	1.76E-04	1.48E-04	8.36E-04	6.78E-04	1.37E-04	1.31E-04	1.02E-04	6.71E-05
3837	562572.82	4234807.26	9.78E-04	8.72E-04	1.66E-04	1.40E-04	7.89E-04	6.40E-04	1.29E-04	1.24E-04	9.66E-05	6.34E-05
3838	562571.99	4234816.86	9.22E-04	8.23E-04	1.56E-04	1.32E-04	7.45E-04	6.03E-04	1.22E-04	1.17E-04	9.11E-05	5.98E-05
3839	562541.27	4234707.77	1.48E-03	1.32E-03	2.52E-04	2.12E-04	1.20E-03	9.71E-04	1.96E-04	1.88E-04	1.47E-04	9.61E-05
3840	562540.44	4234717.37	1.43E-03	1.28E-03	2.43E-04	2.05E-04	1.16E-03	9.37E-04	1.89E-04	1.82E-04	1.41E-04	9.28E-05
3841	562539.61	4234726.98	1.38E-03	1.23E-03	2.34E-04	1.97E-04	1.11E-03	9.02E-04	1.82E-04	1.75E-04	1.36E-04	8.94E-05
3842	562538.78	4234736.58	1.33E-03	1.18E-03	2.25E-04	1.90E-04	1.07E-03	8.67E-04	1.75E-04	1.68E-04	1.31E-04	8.59E-05
3843	562537.95	4234746.19	1.27E-03	1.13E-03	2.16E-04	1.82E-04	1.03E-03	8.32E-04	1.68E-04	1.61E-04	1.26E-04	8.24E-05
3844	562537.12	4234755.79	1.22E-03	1.08E-03	2.06E-04	1.74E-04	9.82E-04	7.96E-04	1.61E-04	1.54E-04	1.20E-04	7.88E-05
3845	562536.29	4234765.4	1.15E-03	1.03E-03	1.96E-04	1.65E-04	9.32E-04	7.56E-04	1.53E-04	1.47E-04	1.14E-04	7.48E-05
3846	562535.46	4234775	1.09E-03	9.76E-04	1.86E-04	1.57E-04	8.84E-04	7.16E-04	1.45E-04	1.39E-04	1.08E-04	7.09E-05
3847	562534.63	4234784.6	1.04E-03	9.24E-04	1.76E-04	1.48E-04	8.37E-04	6.78E-04	1.37E-04	1.31E-04	1.02E-04	6.71E-05
3848	562533.8	4234794.21	9.76E-04	8.71E-04	1.66E-04	1.40E-04	7.88E-04	6.39E-04	1.29E-04	1.24E-04	9.64E-05	6.32E-05
3849	562532.97	4234803.81	9.16E-04	8.18E-04	1.56E-04	1.31E-04	7.40E-04	6.00E-04	1.21E-04	1.16E-04	9.05E-05	5.94E-05
3850	562532.14	4234813.42	8.59E-04	7.66E-04	1.46E-04	1.23E-04	6.93E-04	5.62E-04	1.14E-04	1.09E-04	8.48E-05	5.57E-05
3851	562501.41	4234704.33	1.36E-03	1.21E-03	2.30E-04	1.94E-04	1.09E-03	8.87E-04	1.79E-04	1.72E-04	1.34E-04	8.79E-05
3852	562500.58	4234713.93	1.31E-03	1.17E-03	2.22E-04	1.87E-04	1.06E-03	8.57E-04	1.73E-04	1.66E-04	1.29E-04	8.49E-05
3853	562499.75	4234723.53	1.26E-03	1.13E-03	2.14E-04	1.81E-04	1.02E-03	8.27E-04	1.67E-04	1.60E-04	1.25E-04	8.19E-05
3854	562498.92	4234733.14	1.22E-03	1.09E-03	2.06E-04	1.74E-04	9.82E-04	7.96E-04	1.61E-04	1.54E-04	1.20E-04	7.88E-05
3855	562498.09	4234742.74	1.17E-03	1.04E-03	1.98E-04	1.67E-04	9.43E-04	7.65E-04	1.55E-04	1.48E-04	1.15E-04	7.57E-05
3856	562497.26	4234752.35	1.12E-03	9.99E-04	1.90E-04	1.60E-04	9.04E-04	7.33E-04	1.48E-04	1.42E-04	1.11E-04	7.26E-05
3857	562496.43	4234761.95	1.07E-03	9.55E-04	1.82E-04	1.53E-04	8.64E-04	7.01E-04	1.42E-04	1.36E-04	1.06E-04	6.94E-05
3858	562495.6	4234771.56	1.02E-03	9.11E-04	1.73E-04	1.46E-04	8.25E-04	6.68E-04	1.35E-04	1.30E-04	1.01E-04	6.62E-05
3859	562494.77	4234781.16	9.72E-04	8.67E-04	1.65E-04	1.39E-04	7.85E-04	6.36E-04	1.29E-04	1.23E-04	9.60E-05	6.30E-05
3860	562493.94	4234790.76	9.24E-04	8.24E-04	1.57E-04	1.32E-04	7.46E-04	6.05E-04	1.22E-04	1.17E-04	9.12E-05	5.99E-05

3861	562493.11	4234800.37	8.76E-04	7.82E-04	1.49E-04	1.25E-04	7.08E-04	5.73E-04	1.16E-04	1.11E-04	8.65E-05	5.68E-05
3862	562492.28	4234809.97	8.30E-04	7.40E-04	1.41E-04	1.19E-04	6.70E-04	5.43E-04	1.10E-04	1.05E-04	8.20E-05	5.38E-05
3863	562461.56	4234700.88	1.25E-03	1.11E-03	2.11E-04	1.78E-04	1.01E-03	8.15E-04	1.65E-04	1.58E-04	1.23E-04	8.07E-05
3864	562460.73	4234710.49	1.21E-03	1.08E-03	2.05E-04	1.72E-04	9.73E-04	7.89E-04	1.59E-04	1.53E-04	1.19E-04	7.81E-05
3865	562459.9	4234720.09	1.16E-03	1.04E-03	1.98E-04	1.66E-04	9.40E-04	7.62E-04	1.54E-04	1.48E-04	1.15E-04	7.54E-05
3866	562459.07	4234729.69	1.12E-03	1.00E-03	1.90E-04	1.60E-04	9.06E-04	7.34E-04	1.48E-04	1.42E-04	1.11E-04	7.27E-05
3867	562458.24	4234739.3	1.08E-03	9.63E-04	1.83E-04	1.54E-04	8.71E-04	7.06E-04	1.43E-04	1.37E-04	1.07E-04	6.99E-05
3868	562457.41	4234748.9	1.04E-03	9.24E-04	1.76E-04	1.48E-04	8.36E-04	6.78E-04	1.37E-04	1.31E-04	1.02E-04	6.71E-05
3869	562456.58	4234758.51	9.92E-04	8.85E-04	1.68E-04	1.42E-04	8.01E-04	6.49E-04	1.31E-04	1.26E-04	9.80E-05	6.43E-05
3870	562455.75	4234768.11	9.48E-04	8.46E-04	1.61E-04	1.36E-04	7.65E-04	6.20E-04	1.25E-04	1.20E-04	9.36E-05	6.14E-05
3871	562454.92	4234777.72	9.04E-04	8.07E-04	1.53E-04	1.29E-04	7.30E-04	5.92E-04	1.20E-04	1.15E-04	8.93E-05	5.86E-05
3872	562454.09	4234787.32	8.61E-04	7.68E-04	1.46E-04	1.23E-04	6.95E-04	5.63E-04	1.14E-04	1.09E-04	8.50E-05	5.58E-05
3873	562453.26	4234796.92	8.18E-04	7.30E-04	1.39E-04	1.17E-04	6.61E-04	5.35E-04	1.08E-04	1.04E-04	8.08E-05	5.30E-05
3874	562452.43	4234806.53	7.76E-04	6.93E-04	1.32E-04	1.11E-04	6.27E-04	5.08E-04	1.03E-04	9.85E-05	7.67E-05	5.03E-05
3875	562421.71	4234697.44	1.15E-03	1.03E-03	1.95E-04	1.64E-04	9.29E-04	7.53E-04	1.52E-04	1.46E-04	1.14E-04	7.45E-05
3876	562420.88	4234707.04	1.11E-03	9.94E-04	1.89E-04	1.59E-04	9.00E-04	7.29E-04	1.47E-04	1.41E-04	1.10E-04	7.22E-05
3877	562420.05	4234716.65	1.08E-03	9.61E-04	1.83E-04	1.54E-04	8.70E-04	7.05E-04	1.42E-04	1.37E-04	1.06E-04	6.98E-05
3878	562419.22	4234726.25	1.04E-03	9.27E-04	1.76E-04	1.49E-04	8.39E-04	6.80E-04	1.37E-04	1.32E-04	1.03E-04	6.74E-05
3879	562418.39	4234735.85	1.00E-03	8.93E-04	1.70E-04	1.43E-04	8.08E-04	6.55E-04	1.32E-04	1.27E-04	9.89E-05	6.49E-05
3880	562417.56	4234745.46	9.62E-04	8.58E-04	1.63E-04	1.38E-04	7.77E-04	6.30E-04	1.27E-04	1.22E-04	9.50E-05	6.23E-05
3881	562416.73	4234755.06	9.23E-04	8.23E-04	1.57E-04	1.32E-04	7.45E-04	6.04E-04	1.22E-04	1.17E-04	9.11E-05	5.98E-05
3882	562415.9	4234764.67	8.83E-04	7.88E-04	1.50E-04	1.26E-04	7.13E-04	5.78E-04	1.17E-04	1.12E-04	8.72E-05	5.72E-05
3883	562415.07	4234774.27	8.44E-04	7.53E-04	1.43E-04	1.21E-04	6.81E-04	5.52E-04	1.12E-04	1.07E-04	8.33E-05	5.47E-05
3884	562414.24	4234783.88	8.05E-04	7.18E-04	1.37E-04	1.15E-04	6.50E-04	5.27E-04	1.06E-04	1.02E-04	7.95E-05	5.22E-05
3885	562413.41	4234793.48	7.66E-04	6.84E-04	1.30E-04	1.10E-04	6.19E-04	5.01E-04	1.01E-04	9.72E-05	7.57E-05	4.97E-05
3886	562412.58	4234803.08	7.29E-04	6.50E-04	1.24E-04	1.04E-04	5.88E-04	4.77E-04	9.64E-05	9.25E-05	7.20E-05	4.72E-05
3887	562381.86	4234693.99	1.07E-03	9.51E-04	1.81E-04	1.53E-04	8.61E-04	6.98E-04	1.41E-04	1.35E-04	1.05E-04	6.91E-05
3888	562381.03	4234703.6	1.03E-03	9.22E-04	1.75E-04	1.48E-04	8.35E-04	6.77E-04	1.37E-04	1.31E-04	1.02E-04	6.70E-05
3889	562380.2	4234713.2	1.00E-03	8.93E-04	1.70E-04	1.43E-04	8.08E-04	6.55E-04	1.32E-04	1.27E-04	9.88E-05	6.49E-05
3890	562379.37	4234722.81	9.67E-04	8.62E-04	1.64E-04	1.38E-04	7.81E-04	6.33E-04	1.28E-04	1.23E-04	9.55E-05	6.27E-05
3891	562378.54	4234732.41	9.32E-04	8.32E-04	1.58E-04	1.33E-04	7.53E-04	6.10E-04	1.23E-04	1.18E-04	9.21E-05	6.04E-05
3892	562377.71	4234742.02	8.97E-04	8.00E-04	1.52E-04	1.28E-04	7.24E-04	5.87E-04	1.19E-04	1.14E-04	8.86E-05	5.81E-05
3893	562376.88	4234751.62	8.61E-04	7.68E-04	1.46E-04	1.23E-04	6.96E-04	5.64E-04	1.14E-04	1.09E-04	8.51E-05	5.58E-05
3894	562376.05	4234761.22	8.26E-04	7.37E-04	1.40E-04	1.18E-04	6.67E-04	5.40E-04	1.09E-04	1.05E-04	8.15E-05	5.35E-05
3895	562375.22	4234770.83	7.90E-04	7.05E-04	1.34E-04	1.13E-04	6.38E-04	5.17E-04	1.04E-04	1.00E-04	7.80E-05	5.12E-05
3896	562374.39	4234780.43	7.55E-04	6.73E-04	1.28E-04	1.08E-04	6.09E-04	4.94E-04	9.98E-05	9.58E-05	7.45E-05	4.89E-05
3897	562373.56	4234790.04	7.20E-04	6.42E-04	1.22E-04	1.03E-04	5.81E-04	4.71E-04	9.52E-05	9.14E-05	7.11E-05	4.67E-05
3898	562372.73	4234799.64	6.86E-04	6.12E-04	1.16E-04	9.81E-05	5.54E-04	4.49E-04	9.07E-05	8.70E-05	6.77E-05	4.45E-05
3899	563065.39	4234868.72	1.15E-02	1.03E-02	1.95E-03	1.64E-03	9.28E-03	7.52E-03	1.52E-03	1.46E-03	1.13E-03	7.45E-04
3900	563073.84	4234873.26	1.31E-02	1.17E-02	2.22E-03	1.87E-03	1.06E-02	8.57E-03	1.73E-03	1.66E-03	1.29E-03	8.48E-04
3901	563082.29	4234877.81	1.56E-02	1.39E-02	2.65E-03	2.23E-03	1.26E-02	1.02E-02	2.07E-03	1.98E-03	1.54E-03	1.01E-03
3902	563090.74	4234882.36	1.93E-02	1.72E-02	3.27E-03	2.75E-03	1.56E-02	1.26E-02	2.55E-03	2.44E-03	1.90E-03	1.25E-03
3903	563099.2	4234886.91	2.30E-02	2.05E-02	3.90E-03	3.28E-03	1.85E-02	1.50E-02	3.04E-03	2.91E-03	2.27E-03	1.49E-03
3904	563107.65	4234891.46	2.58E-02	2.30E-02	4.37E-03	3.69E-03	2.08E-02	1.69E-02	3.41E-03	3.27E-03	2.55E-03	1.67E-03
3905	563116.1	4234896.01	2.77E-02	2.47E-02	4.70E-03	3.96E-03	2.24E-02	1.81E-02	3.66E-03	3.51E-03	2.73E-03	1.79E-03
3906	563124.55	4234900.56	2.89E-02	2.58E-02	4.90E-03	4.13E-03	2.33E-02	1.89E-02	3.82E-03	3.66E-03	2.85E-03	1.87E-03
3907	563133	4234905.11	2.95E-02	2.63E-02	5.00E-03	4.22E-03	2.38E-02	1.93E-02	3.90E-03	3.74E-03	2.91E-03	1.91E-03
3908	563141.45	4234909.66	2.96E-02	2.64E-02	5.02E-03	4.23E-03	2.39E-02	1.93E-02	3.91E-03	3.75E-03	2.92E-03	1.92E-03
3909	563149.9	4234914.21	2.91E-02	2.60E-02	4.94E-03	4.16E-03	2.35E-02	1.90E-02	3.85E-03	3.69E-03	2.87E-03	1.89E-03
3910	563158.36	4234918.76	2.81E-02	2.51E-02	4.77E-03	4.02E-03	2.27E-02	1.84E-02	3.72E-03	3.57E-03	2.78E-03	1.82E-03
3911	563166.81	4234923.31	2.68E-02	2.39E-02	4.54E-03	3.83E-03	2.16E-02	1.75E-02	3.54E-03	3.40E-03	2.64E-03	1.73E-03
3912	563175.26	4234927.86	2.52E-02	2.25E-02	4.27E-03	3.60E-03	2.03E-02	1.65E-02	3.33E-03	3.19E-03	2.49E-03	1.63E-03
3913	563183.71	4234932.41	2.33E-02	2.08E-02	3.96E-03	3.34E-03	1.89E-02	1.53E-02	3.09E-03	2.96E-03	2.31E-03	1.51E-03
3914	563192.16	4234936.96	2.12E-02	1.89E-02	3.60E-03	3.04E-03	1.71E-02	1.39E-02	2.81E-03	2.70E-03	2.10E-03	1.38E-03
3915	563200.61	4234941.51	1.89E-02	1.69E-02	3.21E-03	2.71E-03	1.53E-02	1.24E-02	2.50E-03	2.40E-03	1.87E-03	1.23E-03
3916	563209.06	4234946.06	1.66E-02	1.48E-02	2.81E-03	2.37E-03	1.34E-02	1.09E-02	2.19E-03	2.10E-03	1.64E-03	1.07E-03
3917	563217.52	4234950.61	1.44E-02	1.29E-02	2.45E-03	2.06E-03	1.16E-02	9.43E-03	1.91E-03	1.83E-03	1.42E-03	9.34E-04
3918	563225.97	4234955.16	1.25E-02	1.12E-02	2.12E-03	1.79E-03	1.01E-02	8.18E-03	1.65E-03	1.59E-03	1.23E-03	8.10E-04
3919	563234.42	4234959.71	1.09E-02	9.70E-03	1.85E-03	1.56E-03	8.78E-03	7.12E-03	1.44E-03	1.38E-03	1.07E-03	7.05E-04
3920	563242.87	4234964.26	9.51E-03	8.48E-03	1.61E-03	1.36E-03	7.68E-03	6.22E-03	1.26E-03	1.21E-03	9.39E-04	6.16E-04
3921	563056.59	4234873.47	9.20E-03	8.21E-03	1.56E-03	1.32E-03	7.43E-03	6.02E-03	1.22E-03	1.17E-03	9.08E-04	5.96E-04
3922	563069.1	4234882.07	1.07E-02	9.52E-03	1.81E-03	1.53E-03	8.62E-03	6.98E-03	1.41E-03	1.35E-03	1.05E-03	6.92E-04
3923	563077.55	4234886.62	1.24E-02	1.11E-02	2.11E-03	1.78E-03	1.00E-02	8.12E-03	1.64E-03	1.57E-03	1.23E-03	8.04E-04
3924	563086	4234891.17	1.47E-02	1.31E-02	2.50E-03	2.11E-03	1.19E-02	9.64E-03	1.95E-03	1.87E-03	1.46E-03	9.55E-04
3925	563094.46	4234895.72	1.73E-02	1.54E-02	2.93E-03	2.47E-03	1.39E-02	1.13E-02	2.28E-03	2.19E-03	1.71E-03	1.12E-03
3926	563102.91	4234900.27	1.95E-02	1.74E-02	3.31E-03	2.79E-03	1.58E-02	1.28E-02	2.58E-03	2.48E-03	1.93E-03	1.27E-03
3927	563111.36	4234904.82	2.13E-02	1.90E-02	3.62E-03	3.05E-03	1.72E-02	1.39E-02	2.82E-03	2.70E-03	2.10E-03	1.38E-03
3928	563119.81	4234909.37	2.26E-02	2.02E-02	3.84E-03	3.23E-03	1.83E-02	1.48E-02	2.99E-03	2.87E-03	2.23E-03	1.46E-03
3929	563128.26	4234913.92	2.34E-02	2.09E-02	3.98E-03	3.35E-03	1.89E-02	1.53E-02	3.10E-03	2.97E-03	2.32E-03	1.52E-03

3930	563136.71	4234918.47	2.39E-02	2.13E-02	4.05E-03	3.41E-03	1.93E-02	1.56E-02	3.15E-03	3.03E-03	2.36E-03	1.55E-03
3931	563145.16	4234923.02	2.39E-02	2.13E-02	4.05E-03	3.41E-03	1.93E-02	1.56E-02	3.16E-03	3.03E-03	2.36E-03	1.55E-03
3932	563153.62	4234927.57	2.33E-02	2.08E-02	3.95E-03	3.33E-03	1.88E-02	1.52E-02	3.08E-03	2.96E-03	2.30E-03	1.51E-03
3933	563162.07	4234932.11	2.25E-02	2.01E-02	3.82E-03	3.22E-03	1.82E-02	1.47E-02	2.98E-03	2.86E-03	2.22E-03	1.46E-03
3934	563170.52	4234936.66	2.15E-02	1.92E-02	3.65E-03	3.08E-03	1.74E-02	1.41E-02	2.85E-03	2.73E-03	2.13E-03	1.39E-03
3935	563178.97	4234941.21	2.03E-02	1.81E-02	3.44E-03	2.90E-03	1.64E-02	1.33E-02	2.68E-03	2.57E-03	2.00E-03	1.31E-03
3936	563187.42	4234945.76	1.88E-02	1.67E-02	3.19E-03	2.69E-03	1.52E-02	1.23E-02	2.48E-03	2.38E-03	1.85E-03	1.22E-03
3937	563195.87	4234950.31	1.71E-02	1.52E-02	2.90E-03	2.44E-03	1.38E-02	1.12E-02	2.26E-03	2.17E-03	1.69E-03	1.11E-03
3938	563204.32	4234954.86	1.53E-02	1.37E-02	2.60E-03	2.19E-03	1.24E-02	1.00E-02	2.02E-03	1.94E-03	1.51E-03	9.92E-04
3939	563212.78	4234959.41	1.36E-02	1.21E-02	2.30E-03	1.94E-03	1.10E-02	8.88E-03	1.79E-03	1.72E-03	1.34E-03	8.80E-04
3940	563221.23	4234963.96	1.20E-02	1.07E-02	2.03E-03	1.71E-03	9.67E-03	7.83E-03	1.58E-03	1.52E-03	1.18E-03	7.76E-04
3941	563229.68	4234968.51	1.06E-02	9.42E-03	1.79E-03	1.51E-03	8.52E-03	6.91E-03	1.40E-03	1.34E-03	1.04E-03	6.84E-04
3942	563238.13	4234973.06	9.34E-03	8.33E-03	1.58E-03	1.34E-03	7.54E-03	6.11E-03	1.23E-03	1.18E-03	9.22E-04	6.05E-04
3943	563049.82	4234880.25	7.62E-03	6.80E-03	1.29E-03	1.09E-03	6.15E-03	4.99E-03	1.01E-03	9.67E-04	7.52E-04	4.94E-04
3944	563064.36	4234890.88	8.94E-03	7.98E-03	1.52E-03	1.28E-03	7.22E-03	5.85E-03	1.18E-03	1.13E-03	8.83E-04	5.79E-04
3945	563072.81	4234895.42	1.03E-02	9.15E-03	1.74E-03	1.47E-03	8.28E-03	6.71E-03	1.36E-03	1.30E-03	1.01E-03	6.65E-04
3946	563081.26	4234899.97	1.19E-02	1.06E-02	2.02E-03	1.70E-03	9.62E-03	7.80E-03	1.58E-03	1.51E-03	1.18E-03	7.72E-04
3947	563089.72	4234904.52	1.38E-02	1.23E-02	2.33E-03	1.97E-03	1.11E-02	9.00E-03	1.82E-03	1.75E-03	1.36E-03	8.92E-04
3948	563098.17	4234909.07	1.55E-02	1.39E-02	2.64E-03	2.22E-03	1.25E-02	1.02E-02	2.06E-03	1.97E-03	1.53E-03	1.01E-03
3949	563106.62	4234913.62	1.71E-02	1.52E-02	2.90E-03	2.44E-03	1.38E-02	1.12E-02	2.26E-03	2.17E-03	1.69E-03	1.11E-03
3950	563115.07	4234918.17	1.83E-02	1.64E-02	3.11E-03	2.62E-03	1.48E-02	1.20E-02	2.42E-03	2.33E-03	1.81E-03	1.19E-03
3951	563123.52	4234922.72	1.92E-02	1.72E-02	3.26E-03	2.75E-03	1.55E-02	1.26E-02	2.54E-03	2.44E-03	1.90E-03	1.25E-03
3952	563131.97	4234927.27	1.98E-02	1.77E-02	3.36E-03	2.83E-03	1.60E-02	1.30E-02	2.62E-03	2.51E-03	1.95E-03	1.28E-03
3953	563140.42	4234931.82	2.00E-02	1.78E-02	3.39E-03	2.86E-03	1.61E-02	1.31E-02	2.64E-03	2.54E-03	1.97E-03	1.29E-03
3954	563148.88	4234936.37	1.97E-02	1.76E-02	3.35E-03	2.82E-03	1.59E-02	1.29E-02	2.61E-03	2.50E-03	1.95E-03	1.28E-03
3955	563157.33	4234940.92	1.93E-02	1.72E-02	3.27E-03	2.76E-03	1.56E-02	1.26E-02	2.55E-03	2.45E-03	1.91E-03	1.25E-03
3956	563165.78	4234945.47	1.87E-02	1.67E-02	3.17E-03	2.67E-03	1.51E-02	1.22E-02	2.47E-03	2.37E-03	1.85E-03	1.21E-03
3957	563174.23	4234950.02	1.78E-02	1.59E-02	3.02E-03	2.55E-03	1.44E-02	1.17E-02	2.36E-03	2.26E-03	1.76E-03	1.15E-03
3958	563182.68	4234954.57	1.67E-02	1.49E-02	2.84E-03	2.39E-03	1.35E-02	1.09E-02	2.21E-03	2.12E-03	1.65E-03	1.08E-03
3959	563191.13	4234959.12	1.55E-02	1.38E-02	2.62E-03	2.21E-03	1.25E-02	1.01E-02	2.04E-03	1.96E-03	1.53E-03	1.00E-03
3960	563199.58	4234963.67	1.41E-02	1.26E-02	2.39E-03	2.02E-03	1.14E-02	9.22E-03	1.86E-03	1.79E-03	1.39E-03	9.13E-04
3961	563208.04	4234968.22	1.27E-02	1.13E-02	2.16E-03	1.82E-03	1.03E-02	8.32E-03	1.68E-03	1.61E-03	1.26E-03	8.24E-04
3962	563216.49	4234972.77	1.14E-02	1.02E-02	1.93E-03	1.63E-03	9.19E-03	7.45E-03	1.51E-03	1.44E-03	1.12E-03	7.38E-04
3963	563224.94	4234977.32	1.02E-02	9.08E-03	1.73E-03	1.45E-03	8.21E-03	6.66E-03	1.35E-03	1.29E-03	1.00E-03	6.59E-04
3964	563233.39	4234981.87	9.09E-03	8.11E-03	1.54E-03	1.30E-03	7.34E-03	5.95E-03	1.20E-03	1.15E-03	8.98E-04	5.89E-04
3965	563045.76	4234889.73	6.52E-03	5.82E-03	1.11E-03	9.33E-04	5.27E-03	4.27E-03	8.63E-04	8.28E-04	6.44E-04	4.23E-04
3966	563033.39	4234871.44	6.41E-03	5.72E-03	1.09E-03	9.17E-04	5.18E-03	4.20E-03	8.48E-04	8.14E-04	6.33E-04	4.16E-04
3967	563059.62	4234899.68	7.67E-03	6.84E-03	1.30E-03	1.10E-03	6.19E-03	5.02E-03	1.01E-03	9.73E-04	7.57E-04	4.97E-04
3968	563068.07	4234904.23	8.70E-03	7.77E-03	1.48E-03	1.24E-03	7.03E-03	5.70E-03	1.15E-03	1.10E-03	8.60E-04	5.64E-04
3969	563076.52	4234908.78	9.97E-03	8.89E-03	1.69E-03	1.43E-03	8.05E-03	6.52E-03	1.32E-03	1.27E-03	9.85E-04	6.46E-04
3970	563084.98	4234913.33	1.14E-02	1.02E-02	1.93E-03	1.63E-03	9.19E-03	7.45E-03	1.51E-03	1.44E-03	1.12E-03	7.38E-04
3971	563093.43	4234917.88	1.28E-02	1.14E-02	2.17E-03	1.83E-03	1.03E-02	8.38E-03	1.69E-03	1.63E-03	1.27E-03	8.30E-04
3972	563101.88	4234922.43	1.41E-02	1.26E-02	2.40E-03	2.02E-03	1.14E-02	9.25E-03	1.87E-03	1.79E-03	1.40E-03	9.16E-04
3973	563110.33	4234926.98	1.52E-02	1.36E-02	2.59E-03	2.18E-03	1.23E-02	9.98E-03	2.02E-03	1.93E-03	1.51E-03	9.88E-04
3974	563118.78	4234931.53	1.61E-02	1.44E-02	2.74E-03	2.31E-03	1.30E-02	1.06E-02	2.13E-03	2.05E-03	1.59E-03	1.04E-03
3975	563127.23	4234936.08	1.67E-02	1.49E-02	2.84E-03	2.39E-03	1.35E-02	1.10E-02	2.21E-03	2.12E-03	1.65E-03	1.08E-03
3976	563135.68	4234940.63	1.70E-02	1.52E-02	2.89E-03	2.44E-03	1.38E-02	1.12E-02	2.25E-03	2.16E-03	1.68E-03	1.10E-03
3977	563144.14	4234945.18	1.70E-02	1.52E-02	2.89E-03	2.43E-03	1.37E-02	1.11E-02	2.25E-03	2.16E-03	1.68E-03	1.10E-03
3978	563152.59	4234949.73	1.68E-02	1.50E-02	2.85E-03	2.40E-03	1.35E-02	1.10E-02	2.22E-03	2.13E-03	1.66E-03	1.09E-03
3979	563161.04	4234954.27	1.64E-02	1.46E-02	2.78E-03	2.34E-03	1.32E-02	1.07E-02	2.17E-03	2.08E-03	1.62E-03	1.06E-03
3980	563169.49	4234958.82	1.58E-02	1.41E-02	2.68E-03	2.26E-03	1.27E-02	1.03E-02	2.09E-03	2.00E-03	1.56E-03	1.02E-03
3981	563177.94	4234963.37	1.50E-02	1.34E-02	2.54E-03	2.14E-03	1.21E-02	9.81E-03	1.98E-03	1.90E-03	1.48E-03	9.72E-04
3982	563186.39	4234967.92	1.40E-02	1.25E-02	2.38E-03	2.01E-03	1.13E-02	9.19E-03	1.86E-03	1.78E-03	1.39E-03	9.10E-04
3983	563194.84	4234972.47	1.30E-02	1.16E-02	2.20E-03	1.86E-03	1.05E-02	8.49E-03	1.72E-03	1.65E-03	1.28E-03	8.41E-04
3984	563203.3	4234977.02	1.19E-02	1.06E-02	2.01E-03	1.70E-03	9.58E-03	7.77E-03	1.57E-03	1.51E-03	1.17E-03	7.69E-04
3985	563211.75	4234981.57	1.08E-02	9.60E-03	1.83E-03	1.54E-03	8.69E-03	7.05E-03	1.42E-03	1.37E-03	1.06E-03	6.98E-04
3986	563220.2	4234986.12	9.74E-03	8.69E-03	1.65E-03	1.39E-03	7.86E-03	6.37E-03	1.29E-03	1.24E-03	9.62E-04	6.31E-04
3987	563228.65	4234990.67	8.79E-03	7.84E-03	1.49E-03	1.26E-03	7.10E-03	5.75E-03	1.16E-03	1.12E-03	8.68E-04	5.70E-04
3988	563039.67	4234897.18	5.60E-03	4.99E-03	9.50E-04	8.01E-04	4.52E-03	3.66E-03	7.40E-04	7.10E-04	5.53E-04	3.63E-04
3989	563032.9	4234890.43	5.33E-03	4.75E-03	9.04E-04	7.62E-04	4.30E-03	3.49E-03	7.04E-04	6.76E-04	5.26E-04	3.45E-04
3990	563024.2	4234874.32	5.56E-03	4.96E-03	9.43E-04	7.94E-04	4.49E-03	3.64E-03	7.35E-04	7.05E-04	5.49E-04	3.60E-04
3991	563022.26	4234864.96	6.01E-03	5.36E-03	1.02E-03	8.59E-04	4.85E-03	3.93E-03	7.94E-04	7.62E-04	5.93E-04	3.89E-04
3992	563046.43	4234903.94	5.98E-03	5.33E-03	1.01E-03	8.55E-04	4.83E-03	3.91E-03	7.90E-04	7.58E-04	5.90E-04	3.87E-04
3993	563054.88	4234908.49	6.70E-03	5.98E-03	1.14E-03	9.58E-04	5.41E-03	4.38E-03	8.86E-04	8.50E-04	6.62E-04	4.34E-04
3994	563063.33	4234913.04	7.54E-03	6.73E-03	1.28E-03	1.08E-03	6.09E-03	4.94E-03	9.98E-04	9.57E-04	7.45E-04	4.89E-04
3995	563071.78	4234917.58	8.55E-03	7.63E-03	1.45E-03	1.22E-03	6.90E-03	5.60E-03	1.13E-03	1.09E-03	8.44E-04	5.54E-04
3996	563080.24	4234922.13	9.68E-03	8.63E-03	1.64E-03	1.38E-03	7.81E-03	6.33E-03	1.28E-03	1.23E-03	9.56E-04	6.27E-04
3997	563088.69	4234926.68	1.08E-02	9.67E-03	1.84E-03	1.55E-03	8.75E-03	7.09E-03	1.43E-03	1.37E-03	1.07E-03	7.02E-04
3998	563097.14	4234931.23	1.19E-02	1.07E-02	2.03E-03	1.71E-03	9.64E-03	7.82E-03	1.58E-03	1.52E-03	1.18E-03	7.74E-04

3999	563105.59	4234935.78	1.29E-02	1.15E-02	2.19E-03	1.85E-03	1.04E-02	8.46E-03	1.71E-03	1.64E-03	1.28E-03	8.38E-04
4000	563114.04	4234940.33	1.37E-02	1.23E-02	2.33E-03	1.97E-03	1.11E-02	9.00E-03	1.82E-03	1.74E-03	1.36E-03	8.91E-04
4001	563122.49	4234944.88	1.44E-02	1.28E-02	2.44E-03	2.05E-03	1.16E-02	9.40E-03	1.90E-03	1.82E-03	1.42E-03	9.31E-04
4002	563130.94	4234949.43	1.47E-02	1.31E-02	2.49E-03	2.10E-03	1.19E-02	9.61E-03	1.94E-03	1.86E-03	1.45E-03	9.52E-04
4003	563139.4	4234953.98	1.48E-02	1.32E-02	2.51E-03	2.12E-03	1.19E-02	9.68E-03	1.96E-03	1.88E-03	1.46E-03	9.59E-04
4004	563147.85	4234958.53	1.47E-02	1.31E-02	2.50E-03	2.11E-03	1.19E-02	9.64E-03	1.95E-03	1.87E-03	1.45E-03	9.54E-04
4005	563156.3	4234963.08	1.45E-02	1.29E-02	2.46E-03	2.07E-03	1.17E-02	9.48E-03	1.92E-03	1.84E-03	1.43E-03	9.39E-04
4006	563164.75	4234967.63	1.41E-02	1.26E-02	2.39E-03	2.01E-03	1.14E-02	9.22E-03	1.86E-03	1.79E-03	1.39E-03	9.13E-04
4007	563173.2	4234972.18	1.35E-02	1.21E-02	2.29E-03	1.93E-03	1.09E-02	8.84E-03	1.79E-03	1.71E-03	1.33E-03	8.75E-04
4008	563181.65	4234976.73	1.28E-02	1.14E-02	2.17E-03	1.83E-03	1.03E-02	8.37E-03	1.69E-03	1.62E-03	1.26E-03	8.29E-04
4009	563190.1	4234981.28	1.20E-02	1.07E-02	2.03E-03	1.71E-03	9.65E-03	7.82E-03	1.58E-03	1.52E-03	1.18E-03	7.75E-04
4010	563198.56	4234985.83	1.11E-02	9.87E-03	1.88E-03	1.58E-03	8.93E-03	7.24E-03	1.46E-03	1.40E-03	1.09E-03	7.17E-04
4011	563207.01	4234990.38	1.02E-02	9.06E-03	1.72E-03	1.45E-03	8.20E-03	6.64E-03	1.34E-03	1.29E-03	1.00E-03	6.58E-04
4012	563215.46	4234994.93	9.27E-03	8.27E-03	1.57E-03	1.33E-03	7.48E-03	6.07E-03	1.23E-03	1.18E-03	9.15E-04	6.01E-04
4013	563223.91	4234999.48	8.45E-03	7.53E-03	1.43E-03	1.21E-03	6.82E-03	5.53E-03	1.12E-03	1.07E-03	8.34E-04	5.47E-04
4014	563035.6	4234906.66	4.97E-03	4.43E-03	8.42E-04	7.10E-04	4.01E-03	3.25E-03	6.57E-04	6.30E-04	4.90E-04	3.22E-04
4015	563023.43	4234894.51	4.61E-03	4.11E-03	7.81E-04	6.59E-04	3.72E-03	3.01E-03	6.09E-04	5.84E-04	4.55E-04	2.98E-04
4016	563015.6	4234880.01	4.77E-03	4.25E-03	8.09E-04	6.82E-04	3.85E-03	3.12E-03	6.31E-04	6.05E-04	4.71E-04	3.09E-04
4017	563050.14	4234917.29	5.87E-03	5.24E-03	9.96E-04	8.40E-04	4.74E-03	3.84E-03	7.76E-04	7.45E-04	5.80E-04	3.80E-04
4018	563058.59	4234921.84	6.58E-03	5.87E-03	1.12E-03	9.41E-04	5.32E-03	4.31E-03	8.71E-04	8.35E-04	6.50E-04	4.27E-04
4019	563067.04	4234926.39	7.40E-03	6.60E-03	1.26E-03	1.06E-03	5.98E-03	4.84E-03	9.79E-04	9.39E-04	7.31E-04	4.80E-04
4020	563075.5	4234930.94	8.35E-03	7.45E-03	1.42E-03	1.19E-03	6.74E-03	5.46E-03	1.10E-03	1.06E-03	8.25E-04	5.41E-04
4021	563083.95	4234935.49	9.34E-03	8.33E-03	1.58E-03	1.34E-03	7.54E-03	6.11E-03	1.24E-03	1.19E-03	9.22E-04	6.05E-04
4022	563092.4	4234940.04	1.03E-02	9.17E-03	1.74E-03	1.47E-03	8.30E-03	6.73E-03	1.36E-03	1.30E-03	1.02E-03	6.66E-04
4023	563100.85	4234944.59	1.11E-02	9.94E-03	1.89E-03	1.59E-03	8.99E-03	7.29E-03	1.47E-03	1.41E-03	1.10E-03	7.22E-04
4024	563109.3	4234949.14	1.19E-02	1.06E-02	2.01E-03	1.70E-03	9.58E-03	7.77E-03	1.57E-03	1.51E-03	1.17E-03	7.69E-04
4025	563117.75	4234953.69	1.24E-02	1.11E-02	2.10E-03	1.77E-03	1.00E-02	8.12E-03	1.64E-03	1.57E-03	1.22E-03	8.04E-04
4026	563126.2	4234958.24	1.28E-02	1.14E-02	2.17E-03	1.83E-03	1.03E-02	8.35E-03	1.69E-03	1.62E-03	1.26E-03	8.27E-04
4027	563134.66	4234962.79	1.30E-02	1.16E-02	2.20E-03	1.85E-03	1.05E-02	8.48E-03	1.71E-03	1.64E-03	1.28E-03	8.39E-04
4028	563143.11	4234967.34	1.30E-02	1.16E-02	2.21E-03	1.86E-03	1.05E-02	8.51E-03	1.72E-03	1.65E-03	1.28E-03	8.43E-04
4029	563151.56	4234971.89	1.29E-02	1.15E-02	2.19E-03	1.85E-03	1.04E-02	8.44E-03	1.71E-03	1.64E-03	1.27E-03	8.36E-04
4030	563160.01	4234976.43	1.26E-02	1.13E-02	2.14E-03	1.81E-03	1.02E-02	8.27E-03	1.67E-03	1.60E-03	1.25E-03	8.19E-04
4031	563168.46	4234980.98	1.22E-02	1.09E-02	2.07E-03	1.75E-03	9.87E-03	8.00E-03	1.62E-03	1.55E-03	1.21E-03	7.92E-04
4032	563176.91	4234985.53	1.17E-02	1.04E-02	1.98E-03	1.67E-03	9.43E-03	7.64E-03	1.54E-03	1.48E-03	1.15E-03	7.57E-04
4033	563185.36	4234990.08	1.10E-02	9.83E-03	1.87E-03	1.58E-03	8.90E-03	7.21E-03	1.46E-03	1.40E-03	1.09E-03	7.14E-04
4034	563193.82	4234994.63	1.03E-02	9.19E-03	1.75E-03	1.47E-03	8.32E-03	6.74E-03	1.36E-03	1.31E-03	1.02E-03	6.68E-04
4035	563202.27	4234999.18	9.55E-03	8.52E-03	1.62E-03	1.37E-03	7.71E-03	6.25E-03	1.26E-03	1.21E-03	9.44E-04	6.19E-04
4036	563210.72	4235003.73	8.80E-03	7.85E-03	1.49E-03	1.26E-03	7.11E-03	5.76E-03	1.16E-03	1.12E-03	8.69E-04	5.70E-04
4037	563219.17	4235008.28	8.08E-03	7.21E-03	1.37E-03	1.16E-03	6.52E-03	5.29E-03	1.07E-03	1.02E-03	7.98E-04	5.23E-04
4038	563031.27	4234915.87	4.47E-03	3.99E-03	7.58E-04	6.39E-04	3.61E-03	2.93E-03	5.91E-04	5.67E-04	4.41E-04	2.90E-04
4039	563019.91	4234904.53	4.14E-03	3.69E-03	7.02E-04	5.92E-04	3.34E-03	2.71E-03	5.47E-04	5.25E-04	4.09E-04	2.68E-04
4040	563006.91	4234885.33	4.15E-03	3.70E-03	7.05E-04	5.94E-04	3.35E-03	2.72E-03	5.49E-04	5.27E-04	4.10E-04	2.69E-04
4041	563003.65	4234869.6	4.67E-03	4.17E-03	7.93E-04	6.68E-04	3.77E-03	3.06E-03	6.18E-04	5.93E-04	4.62E-04	3.03E-04
4042	563045.4	4234926.1	5.22E-03	4.65E-03	8.85E-04	7.46E-04	4.21E-03	3.41E-03	6.90E-04	6.62E-04	5.15E-04	3.38E-04
4043	563053.85	4234930.65	5.80E-03	5.17E-03	9.84E-04	8.29E-04	4.68E-03	3.80E-03	7.67E-04	7.36E-04	5.73E-04	3.76E-04
4044	563062.3	4234935.2	6.45E-03	5.76E-03	1.10E-03	9.23E-04	5.21E-03	4.22E-03	8.53E-04	8.19E-04	6.37E-04	4.18E-04
4045	563070.76	4234939.74	7.26E-03	6.48E-03	1.23E-03	1.04E-03	5.86E-03	4.75E-03	9.60E-04	9.21E-04	7.17E-04	4.70E-04
4046	563079.21	4234944.29	8.11E-03	7.23E-03	1.38E-03	1.16E-03	6.55E-03	5.30E-03	1.07E-03	1.03E-03	8.01E-04	5.25E-04
4047	563087.66	4234948.84	8.93E-03	7.96E-03	1.51E-03	1.28E-03	7.21E-03	5.84E-03	1.18E-03	1.13E-03	8.82E-04	5.78E-04
4048	563096.11	4234953.39	9.66E-03	8.62E-03	1.64E-03	1.38E-03	7.80E-03	6.32E-03	1.28E-03	1.23E-03	9.54E-04	6.26E-04
4049	563104.56	4234957.94	1.03E-02	9.17E-03	1.74E-03	1.47E-03	8.30E-03	6.73E-03	1.36E-03	1.30E-03	1.02E-03	6.66E-04
4050	563113.01	4234962.49	1.08E-02	9.62E-03	1.83E-03	1.54E-03	8.71E-03	7.06E-03	1.43E-03	1.37E-03	1.06E-03	6.99E-04
4051	563121.46	4234967.04	1.12E-02	9.96E-03	1.89E-03	1.60E-03	9.02E-03	7.31E-03	1.48E-03	1.42E-03	1.10E-03	7.24E-04
4052	563129.92	4234971.59	1.14E-02	1.02E-02	1.94E-03	1.64E-03	9.24E-03	7.49E-03	1.51E-03	1.45E-03	1.13E-03	7.42E-04
4053	563138.37	4234976.14	1.16E-02	1.03E-02	1.96E-03	1.66E-03	9.34E-03	7.57E-03	1.53E-03	1.47E-03	1.14E-03	7.50E-04
4054	563146.82	4234980.69	1.16E-02	1.03E-02	1.96E-03	1.65E-03	9.33E-03	7.56E-03	1.53E-03	1.47E-03	1.14E-03	7.49E-04
4055	563155.27	4234985.24	1.14E-02	1.02E-02	1.93E-03	1.63E-03	9.20E-03	7.45E-03	1.51E-03	1.45E-03	1.12E-03	7.38E-04
4056	563163.72	4234989.79	1.11E-02	9.90E-03	1.88E-03	1.59E-03	8.96E-03	7.26E-03	1.47E-03	1.41E-03	1.10E-03	7.19E-04
4057	563172.17	4234994.34	1.07E-02	9.53E-03	1.81E-03	1.53E-03	8.63E-03	6.99E-03	1.41E-03	1.36E-03	1.06E-03	6.93E-04
4058	563180.62	4234998.89	1.02E-02	9.08E-03	1.73E-03	1.46E-03	8.22E-03	6.66E-03	1.35E-03	1.29E-03	1.01E-03	6.60E-04
4059	563189.08	4235003.44	9.60E-03	8.56E-03	1.63E-03	1.37E-03	7.75E-03	6.28E-03	1.27E-03	1.22E-03	9.48E-04	6.22E-04
4060	563197.53	4235007.99	8.98E-03	8.01E-03	1.52E-03	1.28E-03	7.25E-03	5.88E-03	1.19E-03	1.14E-03	8.87E-04	5.82E-04
4061	563205.98	4235012.54	8.34E-03	7.44E-03	1.42E-03	1.19E-03	6.74E-03	5.46E-03	1.10E-03	1.06E-03	8.24E-04	5.41E-04
4062	563214.43	4235017.09	7.71E-03	6.88E-03	1.31E-03	1.10E-03	6.23E-03	5.05E-03	1.02E-03	9.78E-04	7.61E-04	5.00E-04
4063	563025.72	4234923.87	4.04E-03	3.60E-03	6.85E-04	5.77E-04	3.26E-03	2.64E-03	5.34E-04	5.12E-04	3.99E-04	2.62E-04
4064	563019.22	4234917.39	3.84E-03	3.43E-03	6.52E-04	5.50E-04	3.10E-03	2.51E-03	5.08E-04	4.88E-04	3.80E-04	2.49E-04
4065	563012.73	4234910.9	3.69E-03	3.29E-03	6.27E-04	5.28E-04	2.98E-03	2.42E-03	4.88E-04	4.69E-04	3.65E-04	2.39E-04
4066	563006.24	4234904.42	3.58E-03	3.20E-03	6.08E-04	5.12E-04	2.89E-03	2.34E-03	4.74E-04	4.55E-04	3.54E-04	2.32E-04
4067	562997.88	4234888.96	3.69E-03	3.29E-03	6.27E-04	5.28E-04	2.98E-03	2.42E-03	4.88E-04	4.69E-04	3.65E-04	2.39E-04

4068	562996.02	4234879.97	3.93E-03	3.50E-03	6.66E-04	5.61E-04	3.17E-03	2.57E-03	5.19E-04	4.98E-04	3.88E-04	2.54E-04
4069	562994.16	4234870.99	4.21E-03	3.75E-03	7.14E-04	6.02E-04	3.40E-03	2.75E-03	5.57E-04	5.34E-04	4.16E-04	2.73E-04
4070	562992.29	4234862.01	4.54E-03	4.05E-03	7.70E-04	6.49E-04	3.67E-03	2.97E-03	6.00E-04	5.76E-04	4.48E-04	2.94E-04
4071	563032.21	4234930.35	4.27E-03	3.81E-03	7.25E-04	6.11E-04	3.45E-03	2.79E-03	5.65E-04	5.42E-04	4.22E-04	2.77E-04
4072	563040.66	4234934.9	4.70E-03	4.19E-03	7.97E-04	6.72E-04	3.79E-03	3.08E-03	6.22E-04	5.96E-04	4.64E-04	3.05E-04
4073	563049.11	4234939.45	5.20E-03	4.64E-03	8.82E-04	7.44E-04	4.20E-03	3.40E-03	6.88E-04	6.60E-04	5.14E-04	3.37E-04
4074	563057.56	4234944	5.77E-03	5.15E-03	9.80E-04	8.26E-04	4.66E-03	3.78E-03	7.64E-04	7.33E-04	5.70E-04	3.74E-04
4075	563066.02	4234948.55	6.42E-03	5.73E-03	1.09E-03	9.18E-04	5.18E-03	4.20E-03	8.49E-04	8.15E-04	6.34E-04	4.16E-04
4076	563074.47	4234953.1	7.12E-03	6.35E-03	1.21E-03	1.02E-03	5.75E-03	4.66E-03	9.42E-04	9.03E-04	7.03E-04	4.61E-04
4077	563082.92	4234957.65	7.80E-03	6.96E-03	1.32E-03	1.12E-03	6.30E-03	5.11E-03	1.03E-03	9.90E-04	7.71E-04	5.06E-04
4078	563091.37	4234962.2	8.44E-03	7.53E-03	1.43E-03	1.21E-03	6.81E-03	5.52E-03	1.12E-03	1.07E-03	8.33E-04	5.47E-04
4079	563099.82	4234966.75	8.99E-03	8.02E-03	1.53E-03	1.29E-03	7.26E-03	5.89E-03	1.19E-03	1.14E-03	8.88E-04	5.83E-04
4080	563108.27	4234971.3	9.50E-03	8.48E-03	1.61E-03	1.36E-03	7.67E-03	6.22E-03	1.26E-03	1.21E-03	9.38E-04	6.16E-04
4081	563116.72	4234975.85	9.91E-03	8.84E-03	1.68E-03	1.42E-03	8.00E-03	6.48E-03	1.31E-03	1.26E-03	9.78E-04	6.42E-04
4082	563125.18	4234980.4	1.02E-02	9.09E-03	1.73E-03	1.46E-03	8.23E-03	6.67E-03	1.35E-03	1.29E-03	1.01E-03	6.61E-04
4083	563133.63	4234984.95	1.04E-02	9.24E-03	1.76E-03	1.48E-03	8.36E-03	6.78E-03	1.37E-03	1.31E-03	1.02E-03	6.71E-04
4084	563142.08	4234989.5	1.04E-02	9.27E-03	1.76E-03	1.49E-03	8.39E-03	6.80E-03	1.37E-03	1.32E-03	1.03E-03	6.74E-04
4085	563150.53	4234994.05	1.03E-02	9.20E-03	1.75E-03	1.47E-03	8.33E-03	6.75E-03	1.36E-03	1.31E-03	1.02E-03	6.68E-04
4086	563158.98	4234998.59	1.01E-02	9.02E-03	1.72E-03	1.45E-03	8.16E-03	6.62E-03	1.34E-03	1.28E-03	9.99E-04	6.55E-04
4087	563167.43	4235003.14	9.80E-03	8.75E-03	1.66E-03	1.40E-03	7.92E-03	6.42E-03	1.30E-03	1.24E-03	9.68E-04	6.35E-04
4088	563175.88	4235007.69	9.41E-03	8.39E-03	1.60E-03	1.35E-03	7.60E-03	6.16E-03	1.24E-03	1.19E-03	9.29E-04	6.10E-04
4089	563184.34	4235012.24	8.95E-03	7.98E-03	1.52E-03	1.28E-03	7.22E-03	5.85E-03	1.18E-03	1.14E-03	8.83E-04	5.80E-04
4090	563192.79	4235016.79	8.43E-03	7.52E-03	1.43E-03	1.21E-03	6.81E-03	5.52E-03	1.12E-03	1.07E-03	8.33E-04	5.47E-04
4091	563201.24	4235021.34	7.90E-03	7.04E-03	1.34E-03	1.13E-03	6.38E-03	5.17E-03	1.04E-03	1.00E-03	7.80E-04	5.12E-04
4092	563209.69	4235025.89	7.35E-03	6.56E-03	1.25E-03	1.05E-03	5.94E-03	4.81E-03	9.72E-04	9.33E-04	7.26E-04	4.76E-04
4093	563021.38	4234933.08	3.71E-03	3.31E-03	6.30E-04	5.31E-04	3.00E-03	2.43E-03	4.91E-04	4.71E-04	3.66E-04	2.40E-04
4094	563009.21	4234920.93	3.39E-03	3.03E-03	5.76E-04	4.85E-04	2.74E-03	2.22E-03	4.49E-04	4.31E-04	3.35E-04	2.20E-04
4095	562997.04	4234908.77	3.19E-03	2.85E-03	5.41E-04	4.56E-04	2.58E-03	2.09E-03	4.22E-04	4.05E-04	3.15E-04	2.07E-04
4096	562989.2	4234894.27	3.28E-03	2.92E-03	5.56E-04	4.69E-04	2.65E-03	2.14E-03	4.33E-04	4.16E-04	3.24E-04	2.12E-04
4097	562985.71	4234877.43	3.67E-03	3.27E-03	6.22E-04	5.24E-04	2.96E-03	2.40E-03	4.85E-04	4.65E-04	3.62E-04	2.38E-04
4098	563035.92	4234943.71	4.29E-03	3.83E-03	7.28E-04	6.13E-04	3.46E-03	2.81E-03	5.67E-04	5.44E-04	4.24E-04	2.78E-04
4099	563044.37	4234948.26	4.72E-03	4.21E-03	8.02E-04	6.76E-04	3.81E-03	3.09E-03	6.25E-04	5.99E-04	4.67E-04	3.06E-04
4100	563052.82	4234952.81	5.22E-03	4.65E-03	8.85E-04	7.46E-04	4.21E-03	3.41E-03	6.90E-04	6.62E-04	5.15E-04	3.38E-04
4101	563061.28	4234957.36	5.76E-03	5.14E-03	9.77E-04	8.23E-04	4.65E-03	3.77E-03	7.61E-04	7.31E-04	5.69E-04	3.73E-04
4102	563069.73	4234961.9	6.34E-03	5.65E-03	1.08E-03	9.06E-04	5.12E-03	4.15E-03	8.38E-04	8.04E-04	6.26E-04	4.11E-04
4103	563078.18	4234966.45	6.91E-03	6.17E-03	1.17E-03	9.89E-04	5.58E-03	4.52E-03	9.14E-04	8.77E-04	6.83E-04	4.48E-04
4104	563086.63	4234971	7.47E-03	6.66E-03	1.27E-03	1.07E-03	6.03E-03	4.89E-03	9.88E-04	9.48E-04	7.38E-04	4.84E-04
4105	563095.08	4234975.55	8.00E-03	7.14E-03	1.36E-03	1.14E-03	6.46E-03	5.24E-03	1.06E-03	1.02E-03	7.90E-04	5.19E-04
4106	563103.53	4234980.1	8.47E-03	7.55E-03	1.44E-03	1.21E-03	6.84E-03	5.54E-03	1.12E-03	1.07E-03	8.36E-04	5.49E-04
4107	563111.98	4234984.65	8.85E-03	7.89E-03	1.50E-03	1.27E-03	7.14E-03	5.79E-03	1.17E-03	1.12E-03	8.74E-04	5.73E-04
4108	563120.44	4234989.2	9.13E-03	8.15E-03	1.55E-03	1.31E-03	7.38E-03	5.98E-03	1.21E-03	1.16E-03	9.02E-04	5.92E-04
4109	563128.89	4234993.75	9.32E-03	8.31E-03	1.58E-03	1.33E-03	7.52E-03	6.10E-03	1.23E-03	1.18E-03	9.20E-04	6.04E-04
4110	563137.34	4234998.3	9.40E-03	8.38E-03	1.59E-03	1.34E-03	7.59E-03	6.15E-03	1.24E-03	1.19E-03	9.28E-04	6.09E-04
4111	563145.79	4235002.85	9.37E-03	8.36E-03	1.59E-03	1.34E-03	7.56E-03	6.13E-03	1.24E-03	1.19E-03	9.25E-04	6.07E-04
4112	563154.24	4235007.4	9.24E-03	8.24E-03	1.57E-03	1.32E-03	7.46E-03	6.05E-03	1.22E-03	1.17E-03	9.12E-04	5.99E-04
4113	563162.69	4235011.95	9.02E-03	8.04E-03	1.53E-03	1.29E-03	7.28E-03	5.90E-03	1.19E-03	1.14E-03	8.90E-04	5.84E-04
4114	563171.14	4235016.5	8.71E-03	7.77E-03	1.48E-03	1.25E-03	7.03E-03	5.70E-03	1.15E-03	1.11E-03	8.60E-04	5.65E-04
4115	563179.6	4235021.05	8.34E-03	7.44E-03	1.42E-03	1.19E-03	6.73E-03	5.46E-03	1.10E-03	1.06E-03	8.24E-04	5.41E-04
4116	563188.05	4235025.6	7.92E-03	7.06E-03	1.34E-03	1.13E-03	6.39E-03	5.18E-03	1.05E-03	1.00E-03	7.82E-04	5.13E-04
4117	563196.5	4235030.15	7.47E-03	6.66E-03	1.27E-03	1.07E-03	6.03E-03	4.89E-03	9.87E-04	9.47E-04	7.37E-04	4.84E-04
4118	563204.95	4235034.7	7.00E-03	6.24E-03	1.19E-03	1.00E-03	5.65E-03	4.58E-03	9.26E-04	8.88E-04	6.91E-04	4.54E-04
4119	563015.97	4234941.21	3.38E-03	3.01E-03	5.73E-04	4.83E-04	2.73E-03	2.21E-03	4.46E-04	4.28E-04	3.33E-04	2.19E-04
4120	563009.2	4234934.46	3.23E-03	2.88E-03	5.48E-04	4.62E-04	2.61E-03	2.11E-03	4.27E-04	4.10E-04	3.19E-04	2.09E-04
4121	563002.44	4234927.7	3.08E-03	2.74E-03	5.22E-04	4.40E-04	2.48E-03	2.01E-03	4.07E-04	3.90E-04	3.04E-04	1.99E-04
4122	562995.68	4234920.95	2.94E-03	2.62E-03	4.98E-04	4.20E-04	2.37E-03	1.92E-03	3.88E-04	3.73E-04	2.90E-04	1.90E-04
4123	562988.91	4234914.2	2.85E-03	2.54E-03	4.84E-04	4.08E-04	2.30E-03	1.87E-03	3.77E-04	3.62E-04	2.82E-04	1.85E-04
4124	562980.21	4234898.09	2.95E-03	2.63E-03	5.01E-04	4.22E-04	2.38E-03	1.93E-03	3.91E-04	3.75E-04	2.92E-04	1.91E-04
4125	562978.27	4234888.73	3.12E-03	2.78E-03	5.30E-04	4.46E-04	2.52E-03	2.04E-03	4.13E-04	3.96E-04	3.08E-04	2.02E-04
4126	562976.33	4234879.37	3.33E-03	2.97E-03	5.65E-04	4.76E-04	2.69E-03	2.18E-03	4.41E-04	4.23E-04	3.29E-04	2.16E-04
4127	562974.38	4234870.02	3.58E-03	3.20E-03	6.08E-04	5.12E-04	2.89E-03	2.34E-03	4.74E-04	4.55E-04	3.54E-04	2.32E-04
4128	562972.44	4234860.66	3.86E-03	3.45E-03	6.56E-04	5.53E-04	3.12E-03	2.53E-03	5.11E-04	4.90E-04	3.82E-04	2.50E-04
4129	563022.73	4234947.96	3.56E-03	3.18E-03	6.05E-04	5.10E-04	2.88E-03	2.33E-03	4.71E-04	4.52E-04	3.52E-04	2.31E-04
4130	563031.18	4234952.51	3.93E-03	3.50E-03	6.66E-04	5.62E-04	3.17E-03	2.57E-03	5.19E-04	4.98E-04	3.88E-04	2.54E-04
4131	563039.63	4234957.06	4.32E-03	3.86E-03	7.33E-04	6.18E-04	3.49E-03	2.83E-03	5.72E-04	5.48E-04	4.27E-04	2.80E-04
4132	563048.08	4234961.61	4.75E-03	4.24E-03	8.06E-04	6.79E-04	3.83E-03	3.11E-03	6.28E-04	6.03E-04	4.69E-04	3.08E-04
4133	563056.54	4234966.16	5.21E-03	4.65E-03	8.85E-04	7.46E-04	4.21E-03	3.41E-03	6.90E-04	6.62E-04	5.15E-04	3.38E-04
4134	563064.99	4234970.71	5.68E-03	5.07E-03	9.64E-04	8.12E-04	4.59E-03	3.72E-03	7.51E-04	7.21E-04	5.61E-04	3.68E-04
4135	563073.44	4234975.26	6.17E-03	5.50E-03	1.05E-03	8.82E-04	4.98E-03	4.04E-03	8.16E-04	7.83E-04	6.09E-04	4.00E-04
4136	563081.89	4234979.81	6.67E-03	5.95E-03	1.13E-03	9.54E-04	5.38E-03	4.36E-03	8.82E-04	8.46E-04	6.59E-04	4.32E-04

4137	563090.34	4234984.36	7.16E-03	6.39E-03	1.21E-03	1.02E-03	5.78E-03	4.68E-03	9.47E-04	9.08E-04	7.07E-04	4.64E-04
4138	563098.79	4234988.91	7.59E-03	6.77E-03	1.29E-03	1.09E-03	6.13E-03	4.97E-03	1.00E-03	9.63E-04	7.50E-04	4.92E-04
4139	563107.24	4234993.46	7.95E-03	7.09E-03	1.35E-03	1.14E-03	6.42E-03	5.20E-03	1.05E-03	1.01E-03	7.85E-04	5.15E-04
4140	563115.7	4234998.01	8.23E-03	7.34E-03	1.40E-03	1.18E-03	6.64E-03	5.38E-03	1.09E-03	1.04E-03	8.13E-04	5.33E-04
4141	563124.15	4235002.56	8.42E-03	7.51E-03	1.43E-03	1.20E-03	6.80E-03	5.51E-03	1.11E-03	1.07E-03	8.32E-04	5.46E-04
4142	563132.6	4235007.11	8.53E-03	7.61E-03	1.45E-03	1.22E-03	6.89E-03	5.58E-03	1.13E-03	1.08E-03	8.42E-04	5.53E-04
4143	563141.05	4235011.66	8.54E-03	7.62E-03	1.45E-03	1.22E-03	6.90E-03	5.59E-03	1.13E-03	1.08E-03	8.44E-04	5.54E-04
4144	563149.5	4235016.21	8.47E-03	7.55E-03	1.44E-03	1.21E-03	6.84E-03	5.54E-03	1.12E-03	1.07E-03	8.36E-04	5.49E-04
4145	563157.95	4235020.75	8.31E-03	7.41E-03	1.41E-03	1.19E-03	6.71E-03	5.44E-03	1.10E-03	1.05E-03	8.21E-04	5.38E-04
4146	563166.4	4235025.3	8.08E-03	7.20E-03	1.37E-03	1.16E-03	6.52E-03	5.29E-03	1.07E-03	1.02E-03	7.98E-04	5.23E-04
4147	563174.86	4235029.85	7.78E-03	6.94E-03	1.32E-03	1.11E-03	6.28E-03	5.09E-03	1.03E-03	9.87E-04	7.68E-04	5.04E-04
4148	563183.31	4235034.4	7.44E-03	6.63E-03	1.26E-03	1.06E-03	6.00E-03	4.87E-03	9.83E-04	9.44E-04	7.34E-04	4.82E-04
4149	563191.76	4235038.95	7.06E-03	6.30E-03	1.20E-03	1.01E-03	5.70E-03	4.62E-03	9.33E-04	8.96E-04	6.97E-04	4.57E-04
4150	563200.21	4235043.5	6.66E-03	5.94E-03	1.13E-03	9.52E-04	5.38E-03	4.36E-03	8.80E-04	8.45E-04	6.57E-04	4.31E-04
4151	563007.16	4234959.5	2.80E-03	2.50E-03	4.76E-04	4.01E-04	2.26E-03	1.83E-03	3.71E-04	3.56E-04	2.77E-04	1.82E-04
4152	562994.99	4234947.34	2.58E-03	2.30E-03	4.38E-04	3.69E-04	2.08E-03	1.69E-03	3.41E-04	3.27E-04	2.55E-04	1.67E-04
4153	562982.82	4234935.19	2.37E-03	2.12E-03	4.02E-04	3.39E-04	1.91E-03	1.55E-03	3.14E-04	3.01E-04	2.34E-04	1.54E-04
4154	562970.64	4234923.03	2.26E-03	2.02E-03	3.84E-04	3.23E-04	1.83E-03	1.48E-03	2.99E-04	2.87E-04	2.23E-04	1.46E-04
4155	562962.81	4234908.53	2.33E-03	2.08E-03	3.96E-04	3.34E-04	1.88E-03	1.53E-03	3.09E-04	2.96E-04	2.30E-04	1.51E-04
4156	562959.31	4234891.69	2.54E-03	2.26E-03	4.31E-04	3.63E-04	2.05E-03	1.66E-03	3.36E-04	3.22E-04	2.51E-04	1.65E-04
4157	562955.82	4234874.84	2.83E-03	2.53E-03	4.81E-04	4.05E-04	2.29E-03	1.85E-03	3.75E-04	3.59E-04	2.80E-04	1.84E-04
4158	563021.7	4234970.12	3.26E-03	2.90E-03	5.52E-04	4.66E-04	2.63E-03	2.13E-03	4.30E-04	4.13E-04	3.21E-04	2.11E-04
4159	563030.15	4234974.67	3.57E-03	3.19E-03	6.06E-04	5.11E-04	2.89E-03	2.34E-03	4.73E-04	4.53E-04	3.53E-04	2.32E-04
4160	563038.6	4234979.22	3.88E-03	3.47E-03	6.59E-04	5.56E-04	3.14E-03	2.54E-03	5.14E-04	4.93E-04	3.84E-04	2.52E-04
4161	563047.06	4234983.77	4.22E-03	3.76E-03	7.15E-04	6.03E-04	3.40E-03	2.76E-03	5.58E-04	5.35E-04	4.16E-04	2.73E-04
4162	563055.51	4234988.32	4.58E-03	4.09E-03	7.77E-04	6.55E-04	3.70E-03	3.00E-03	6.06E-04	5.81E-04	4.52E-04	2.97E-04
4163	563063.96	4234992.87	4.97E-03	4.43E-03	8.43E-04	7.11E-04	4.01E-03	3.25E-03	6.57E-04	6.31E-04	4.91E-04	3.22E-04
4164	563072.41	4234997.42	5.38E-03	4.80E-03	9.13E-04	7.69E-04	4.34E-03	3.52E-03	7.11E-04	6.83E-04	5.31E-04	3.49E-04
4165	563080.86	4235001.97	5.80E-03	5.17E-03	9.84E-04	8.29E-04	4.68E-03	3.79E-03	7.67E-04	7.35E-04	5.72E-04	3.76E-04
4166	563089.31	4235006.52	6.19E-03	5.52E-03	1.05E-03	8.85E-04	5.00E-03	4.05E-03	8.18E-04	7.85E-04	6.11E-04	4.01E-04
4167	563097.76	4235011.07	6.52E-03	5.81E-03	1.11E-03	9.32E-04	5.26E-03	4.26E-03	8.62E-04	8.27E-04	6.44E-04	4.22E-04
4168	563106.22	4235015.62	6.77E-03	6.04E-03	1.15E-03	9.68E-04	5.47E-03	4.43E-03	8.95E-04	8.59E-04	6.69E-04	4.39E-04
4169	563114.67	4235020.17	6.97E-03	6.22E-03	1.18E-03	9.96E-04	5.63E-03	4.56E-03	9.21E-04	8.84E-04	6.88E-04	4.52E-04
4170	563123.12	4235024.72	7.10E-03	6.33E-03	1.20E-03	1.02E-03	5.73E-03	4.65E-03	9.39E-04	9.01E-04	7.01E-04	4.60E-04
4171	563131.57	4235029.27	7.17E-03	6.39E-03	1.22E-03	1.02E-03	5.79E-03	4.69E-03	9.48E-04	9.09E-04	7.08E-04	4.64E-04
4172	563140.02	4235033.82	7.16E-03	6.39E-03	1.22E-03	1.02E-03	5.78E-03	4.69E-03	9.47E-04	9.09E-04	7.08E-04	4.64E-04
4173	563148.47	4235038.37	7.10E-03	6.33E-03	1.20E-03	1.02E-03	5.73E-03	4.64E-03	9.39E-04	9.01E-04	7.01E-04	4.60E-04
4174	563156.92	4235042.91	6.97E-03	6.22E-03	1.18E-03	9.97E-04	5.63E-03	4.56E-03	9.22E-04	8.85E-04	6.88E-04	4.52E-04
4175	563165.38	4235047.46	6.79E-03	6.06E-03	1.15E-03	9.71E-04	5.48E-03	4.44E-03	8.98E-04	8.62E-04	6.71E-04	4.40E-04
4176	563173.83	4235052.01	6.56E-03	5.85E-03	1.11E-03	9.39E-04	5.30E-03	4.29E-03	8.68E-04	8.33E-04	6.48E-04	4.25E-04
4177	563182.28	4235056.56	6.30E-03	5.62E-03	1.07E-03	9.01E-04	5.09E-03	4.12E-03	8.33E-04	7.99E-04	6.22E-04	4.08E-04
4178	563190.73	4235061.11	6.01E-03	5.36E-03	1.02E-03	8.59E-04	4.85E-03	3.93E-03	7.95E-04	7.62E-04	5.93E-04	3.89E-04
4179	562997.46	4234976.88	2.41E-03	2.15E-03	4.09E-04	3.45E-04	1.95E-03	1.58E-03	3.19E-04	3.06E-04	2.38E-04	1.56E-04
4180	562991.15	4234970.58	2.30E-03	2.05E-03	3.90E-04	3.28E-04	1.85E-03	1.50E-03	3.04E-04	2.91E-04	2.27E-04	1.49E-04
4181	562978.52	4234957.97	2.11E-03	1.88E-03	3.58E-04	3.01E-04	1.70E-03	1.38E-03	2.79E-04	2.67E-04	2.08E-04	1.37E-04
4182	562972.21	4234951.67	2.02E-03	1.80E-03	3.43E-04	2.89E-04	1.63E-03	1.32E-03	2.67E-04	2.57E-04	2.00E-04	1.31E-04
4183	562959.58	4234939.07	1.90E-03	1.69E-03	3.22E-04	2.72E-04	1.53E-03	1.24E-03	2.51E-04	2.41E-04	1.88E-04	1.23E-04
4184	562945.15	4234917.73	1.88E-03	1.68E-03	3.19E-04	2.69E-04	1.52E-03	1.23E-03	2.49E-04	2.39E-04	1.86E-04	1.22E-04
4185	562941.52	4234900.26	2.04E-03	1.82E-03	3.46E-04	2.91E-04	1.65E-03	1.33E-03	2.70E-04	2.59E-04	2.01E-04	1.32E-04
4186	562939.71	4234891.53	2.15E-03	1.91E-03	3.64E-04	3.07E-04	1.73E-03	1.40E-03	2.84E-04	2.72E-04	2.12E-04	1.39E-04
4187	562936.09	4234874.06	2.43E-03	2.17E-03	4.12E-04	3.47E-04	1.96E-03	1.59E-03	3.21E-04	3.08E-04	2.40E-04	1.57E-04
4188	563012.22	4234987.73	2.75E-03	2.45E-03	4.67E-04	3.93E-04	2.22E-03	1.80E-03	3.64E-04	3.49E-04	2.72E-04	1.78E-04
4189	563020.67	4234992.28	2.97E-03	2.65E-03	5.05E-04	4.25E-04	2.40E-03	1.95E-03	3.93E-04	3.77E-04	2.94E-04	1.93E-04
4190	563029.12	4234996.83	3.21E-03	2.86E-03	5.44E-04	4.58E-04	2.59E-03	2.10E-03	4.24E-04	4.07E-04	3.17E-04	2.08E-04
4191	563037.58	4235001.38	3.49E-03	3.11E-03	5.91E-04	4.98E-04	2.81E-03	2.28E-03	4.61E-04	4.42E-04	3.44E-04	2.26E-04
4192	563046.03	4235005.93	3.80E-03	3.39E-03	6.45E-04	5.43E-04	3.07E-03	2.49E-03	5.02E-04	4.82E-04	3.75E-04	2.46E-04
4193	563054.48	4235010.48	4.13E-03	3.68E-03	7.01E-04	5.90E-04	3.33E-03	2.70E-03	5.46E-04	5.24E-04	4.08E-04	2.68E-04
4194	563062.93	4235015.03	4.47E-03	3.98E-03	7.58E-04	6.39E-04	3.61E-03	2.92E-03	5.91E-04	5.67E-04	4.41E-04	2.89E-04
4195	563071.38	4235019.58	4.80E-03	4.28E-03	8.14E-04	6.86E-04	3.88E-03	3.14E-03	6.35E-04	6.09E-04	4.74E-04	3.11E-04
4196	563079.83	4235024.13	5.12E-03	4.57E-03	8.69E-04	7.32E-04	4.13E-03	3.35E-03	6.77E-04	6.50E-04	5.06E-04	3.32E-04
4197	563088.28	4235028.68	5.41E-03	4.82E-03	9.17E-04	7.73E-04	4.37E-03	3.54E-03	7.15E-04	6.86E-04	5.34E-04	3.50E-04
4198	563096.74	4235033.23	5.64E-03	5.03E-03	9.57E-04	8.06E-04	4.55E-03	3.69E-03	7.45E-04	7.15E-04	5.57E-04	3.65E-04
4199	563105.19	4235037.78	5.82E-03	5.19E-03	9.87E-04	8.32E-04	4.70E-03	3.81E-03	7.70E-04	7.38E-04	5.75E-04	3.77E-04
4200	563113.64	4235042.33	5.97E-03	5.32E-03	1.01E-03	8.53E-04	4.82E-03	3.90E-03	7.89E-04	7.57E-04	5.89E-04	3.87E-04
4201	563122.09	4235046.88	6.08E-03	5.42E-03	1.03E-03	8.69E-04	4.91E-03	3.98E-03	8.03E-04	7.71E-04	6.00E-04	3.94E-04
4202	563130.54	4235051.43	6.12E-03	5.46E-03	1.04E-03	8.75E-04	4.94E-03	4.00E-03	8.09E-04	7.77E-04	6.04E-04	3.97E-04
4203	563138.99	4235055.98	6.11E-03	5.45E-03	1.04E-03	8.74E-04	4.93E-03	4.00E-03	8.08E-04	7.75E-04	6.03E-04	3.96E-04
4204	563147.44	4235060.53	6.05E-03	5.40E-03	1.03E-03	8.65E-04	4.88E-03	3.96E-03	8.00E-04	7.67E-04	5.97E-04	3.92E-04
4205	563155.9	4235065.07	5.95E-03	5.31E-03	1.01E-03	8.50E-04	4.80E-03	3.89E-03	7.86E-04	7.55E-04	5.87E-04	3.85E-04

4206	563164.35	4235069.62	5.80E-03	5.18E-03	9.84E-04	8.30E-04	4.68E-03	3.80E-03	7.67E-04	7.36E-04	5.73E-04	3.76E-04
4207	563172.8	4235074.17	5.62E-03	5.02E-03	9.54E-04	8.04E-04	4.54E-03	3.68E-03	7.44E-04	7.13E-04	5.55E-04	3.64E-04
4208	563181.25	4235078.72	5.42E-03	4.83E-03	9.19E-04	7.75E-04	4.37E-03	3.54E-03	7.16E-04	6.87E-04	5.35E-04	3.51E-04
4209	562987.8	4234994.31	2.15E-03	1.91E-03	3.64E-04	3.07E-04	1.73E-03	1.40E-03	2.84E-04	2.72E-04	2.12E-04	1.39E-04
4210	562981.3	4234987.83	2.05E-03	1.82E-03	3.47E-04	2.93E-04	1.65E-03	1.34E-03	2.71E-04	2.60E-04	2.02E-04	1.33E-04
4211	562974.81	4234981.35	1.95E-03	1.74E-03	3.32E-04	2.79E-04	1.58E-03	1.28E-03	2.58E-04	2.48E-04	1.93E-04	1.27E-04
4212	562968.32	4234974.86	1.87E-03	1.67E-03	3.18E-04	2.68E-04	1.51E-03	1.22E-03	2.47E-04	2.37E-04	1.85E-04	1.21E-04
4213	562961.83	4234968.38	1.80E-03	1.60E-03	3.05E-04	2.57E-04	1.45E-03	1.18E-03	2.38E-04	2.28E-04	1.78E-04	1.16E-04
4214	562955.33	4234961.9	1.73E-03	1.55E-03	2.94E-04	2.48E-04	1.40E-03	1.13E-03	2.29E-04	2.20E-04	1.71E-04	1.12E-04
4215	562948.84	4234955.42	1.68E-03	1.50E-03	2.85E-04	2.40E-04	1.35E-03	1.10E-03	2.22E-04	2.13E-04	1.66E-04	1.09E-04
4216	562942.35	4234948.93	1.63E-03	1.45E-03	2.77E-04	2.33E-04	1.32E-03	1.07E-03	2.16E-04	2.07E-04	1.61E-04	1.06E-04
4217	562935.86	4234942.45	1.59E-03	1.42E-03	2.70E-04	2.28E-04	1.29E-03	1.04E-03	2.11E-04	2.02E-04	1.57E-04	1.03E-04
4218	562927.5	4234926.99	1.61E-03	1.44E-03	2.73E-04	2.30E-04	1.30E-03	1.05E-03	2.13E-04	2.04E-04	1.59E-04	1.04E-04
4219	562925.64	4234918	1.66E-03	1.48E-03	2.82E-04	2.38E-04	1.34E-03	1.09E-03	2.20E-04	2.11E-04	1.64E-04	1.08E-04
4220	562923.77	4234909.02	1.73E-03	1.55E-03	2.94E-04	2.48E-04	1.40E-03	1.13E-03	2.29E-04	2.20E-04	1.71E-04	1.12E-04
4221	562921.91	4234900.03	1.82E-03	1.62E-03	3.08E-04	2.60E-04	1.47E-03	1.19E-03	2.40E-04	2.31E-04	1.79E-04	1.18E-04
4222	562920.04	4234891.05	1.92E-03	1.71E-03	3.26E-04	2.74E-04	1.55E-03	1.26E-03	2.54E-04	2.43E-04	1.89E-04	1.24E-04
4223	562918.18	4234882.07	2.04E-03	1.82E-03	3.46E-04	2.92E-04	1.65E-03	1.33E-03	2.70E-04	2.59E-04	2.01E-04	1.32E-04
4224	562916.32	4234873.08	2.18E-03	1.94E-03	3.69E-04	3.11E-04	1.76E-03	1.42E-03	2.88E-04	2.76E-04	2.15E-04	1.41E-04
4225	562914.45	4234864.1	2.33E-03	2.08E-03	3.96E-04	3.34E-04	1.88E-03	1.53E-03	3.09E-04	2.96E-04	2.30E-04	1.51E-04
4226	562912.59	4234855.12	2.51E-03	2.24E-03	4.25E-04	3.58E-04	2.02E-03	1.64E-03	3.31E-04	3.18E-04	2.47E-04	1.62E-04
4227	562994.29	4235000.79	2.25E-03	2.01E-03	3.82E-04	3.22E-04	1.82E-03	1.47E-03	2.98E-04	2.86E-04	2.22E-04	1.46E-04
4228	563002.74	4235005.34	2.42E-03	2.16E-03	4.10E-04	3.46E-04	1.95E-03	1.58E-03	3.20E-04	3.07E-04	2.39E-04	1.57E-04
4229	563011.19	4235009.89	2.60E-03	2.32E-03	4.41E-04	3.72E-04	2.10E-03	1.70E-03	3.44E-04	3.30E-04	2.57E-04	1.68E-04
4230	563019.64	4235014.44	2.80E-03	2.49E-03	4.74E-04	4.00E-04	2.26E-03	1.83E-03	3.70E-04	3.55E-04	2.76E-04	1.81E-04
4231	563028.1	4235018.99	3.01E-03	2.68E-03	5.10E-04	4.30E-04	2.43E-03	1.97E-03	3.98E-04	3.82E-04	2.97E-04	1.95E-04
4232	563036.55	4235023.54	3.24E-03	2.89E-03	5.50E-04	4.64E-04	2.62E-03	2.12E-03	4.29E-04	4.11E-04	3.20E-04	2.10E-04
4233	563045	4235028.09	3.50E-03	3.13E-03	5.94E-04	5.01E-04	2.83E-03	2.29E-03	4.63E-04	4.45E-04	3.46E-04	2.27E-04
4234	563053.45	4235032.64	3.77E-03	3.37E-03	6.40E-04	5.40E-04	3.05E-03	2.47E-03	4.99E-04	4.79E-04	3.73E-04	2.45E-04
4235	563061.9	4235037.19	4.04E-03	3.61E-03	6.86E-04	5.78E-04	3.26E-03	2.65E-03	5.35E-04	5.13E-04	3.99E-04	2.62E-04
4236	563070.35	4235041.74	4.29E-03	3.83E-03	7.29E-04	6.14E-04	3.47E-03	2.81E-03	5.68E-04	5.45E-04	4.24E-04	2.78E-04
4237	563078.8	4235046.29	4.52E-03	4.03E-03	7.67E-04	6.46E-04	3.65E-03	2.96E-03	5.97E-04	5.73E-04	4.46E-04	2.93E-04
4238	563087.26	4235050.84	4.71E-03	4.20E-03	7.99E-04	6.74E-04	3.80E-03	3.08E-03	6.23E-04	5.98E-04	4.65E-04	3.05E-04
4239	563095.71	4235055.39	4.88E-03	4.35E-03	8.27E-04	6.97E-04	3.94E-03	3.19E-03	6.45E-04	6.19E-04	4.82E-04	3.16E-04
4240	563104.16	4235059.94	5.04E-03	4.49E-03	8.55E-04	7.21E-04	4.07E-03	3.30E-03	6.66E-04	6.39E-04	4.98E-04	3.27E-04
4241	563112.61	4235064.49	5.16E-03	4.60E-03	8.75E-04	7.38E-04	4.16E-03	3.38E-03	6.82E-04	6.54E-04	5.09E-04	3.34E-04
4242	563121.06	4235069.04	5.23E-03	4.66E-03	8.87E-04	7.48E-04	4.22E-03	3.42E-03	6.92E-04	6.64E-04	5.16E-04	3.39E-04
4243	563129.51	4235073.59	5.26E-03	4.69E-03	8.92E-04	7.52E-04	4.24E-03	3.44E-03	6.95E-04	6.67E-04	5.19E-04	3.41E-04
4244	563137.96	4235078.14	5.25E-03	4.68E-03	8.91E-04	7.51E-04	4.24E-03	3.44E-03	6.95E-04	6.66E-04	5.19E-04	3.40E-04
4245	563146.42	4235082.69	5.21E-03	4.65E-03	8.85E-04	7.46E-04	4.21E-03	3.41E-03	6.90E-04	6.62E-04	5.15E-04	3.38E-04
4246	563154.87	4235087.23	5.14E-03	4.59E-03	8.72E-04	7.35E-04	4.15E-03	3.36E-03	6.80E-04	6.52E-04	5.08E-04	3.33E-04
4247	563163.32	4235091.78	5.02E-03	4.48E-03	8.51E-04	7.18E-04	4.05E-03	3.28E-03	6.64E-04	6.37E-04	4.96E-04	3.25E-04
4248	563171.77	4235096.33	4.87E-03	4.35E-03	8.27E-04	6.97E-04	3.94E-03	3.19E-03	6.45E-04	6.18E-04	4.81E-04	3.16E-04
4249	562978.17	4235011.77	1.93E-03	1.72E-03	3.27E-04	2.76E-04	1.56E-03	1.26E-03	2.55E-04	2.45E-04	1.90E-04	1.25E-04
4250	562971.53	4235005.14	1.84E-03	1.64E-03	3.12E-04	2.63E-04	1.49E-03	1.21E-03	2.44E-04	2.34E-04	1.82E-04	1.19E-04
4251	562964.89	4234998.51	1.76E-03	1.57E-03	2.99E-04	2.52E-04	1.42E-03	1.15E-03	2.33E-04	2.23E-04	1.74E-04	1.14E-04
4252	562958.25	4234991.89	1.69E-03	1.50E-03	2.86E-04	2.41E-04	1.36E-03	1.10E-03	2.23E-04	2.14E-04	1.67E-04	1.09E-04
4253	562951.61	4234985.26	1.62E-03	1.44E-03	2.75E-04	2.32E-04	1.31E-03	1.06E-03	2.14E-04	2.05E-04	1.60E-04	1.05E-04
4254	562944.97	4234978.63	1.56E-03	1.39E-03	2.64E-04	2.23E-04	1.26E-03	1.02E-03	2.06E-04	1.98E-04	1.54E-04	1.01E-04
4255	562938.33	4234972	1.50E-03	1.34E-03	2.55E-04	2.15E-04	1.22E-03	9.85E-04	1.99E-04	1.91E-04	1.49E-04	9.75E-05
4256	562931.69	4234965.37	1.46E-03	1.30E-03	2.47E-04	2.09E-04	1.18E-03	9.54E-04	1.93E-04	1.85E-04	1.44E-04	9.45E-05
4257	562925.05	4234958.74	1.42E-03	1.27E-03	2.41E-04	2.03E-04	1.15E-03	9.29E-04	1.88E-04	1.80E-04	1.40E-04	9.20E-05
4258	562918.41	4234952.11	1.39E-03	1.24E-03	2.36E-04	1.99E-04	1.12E-03	9.08E-04	1.84E-04	1.76E-04	1.37E-04	9.00E-05
4259	562909.86	4234936.29	1.40E-03	1.25E-03	2.37E-04	2.00E-04	1.13E-03	9.14E-04	1.85E-04	1.77E-04	1.38E-04	9.05E-05
4260	562907.96	4234927.1	1.44E-03	1.28E-03	2.44E-04	2.06E-04	1.16E-03	9.42E-04	1.90E-04	1.83E-04	1.42E-04	9.33E-05
4261	562906.05	4234917.91	1.49E-03	1.33E-03	2.53E-04	2.14E-04	1.21E-03	9.77E-04	1.98E-04	1.90E-04	1.48E-04	9.68E-05
4262	562904.14	4234908.73	1.56E-03	1.39E-03	2.65E-04	2.23E-04	1.26E-03	1.02E-03	2.06E-04	1.98E-04	1.54E-04	1.01E-04
4263	562902.24	4234899.54	1.64E-03	1.46E-03	2.78E-04	2.35E-04	1.32E-03	1.07E-03	2.17E-04	2.08E-04	1.62E-04	1.06E-04
4264	562900.33	4234890.35	1.74E-03	1.55E-03	2.95E-04	2.48E-04	1.40E-03	1.14E-03	2.30E-04	2.20E-04	1.72E-04	1.13E-04
4265	562898.42	4234881.16	1.85E-03	1.65E-03	3.14E-04	2.64E-04	1.49E-03	1.21E-03	2.44E-04	2.34E-04	1.83E-04	1.20E-04
4266	562896.52	4234871.97	1.98E-03	1.76E-03	3.35E-04	2.83E-04	1.60E-03	1.29E-03	2.61E-04	2.51E-04	1.95E-04	1.28E-04
4267	562894.61	4234862.79	2.12E-03	1.89E-03	3.60E-04	3.03E-04	1.71E-03	1.39E-03	2.80E-04	2.69E-04	2.09E-04	1.37E-04
4268	562892.7	4234853.6	2.28E-03	2.03E-03	3.86E-04	3.26E-04	1.84E-03	1.49E-03	3.01E-04	2.89E-04	2.25E-04	1.48E-04
4269	562984.81	4235018.4	2.02E-03	1.80E-03	3.43E-04	2.89E-04	1.63E-03	1.32E-03	2.67E-04	2.56E-04	2.00E-04	1.31E-04
4270	562993.26	4235022.95	2.16E-03	1.93E-03	3.66E-04	3.09E-04	1.74E-03	1.41E-03	2.85E-04	2.74E-04	2.13E-04	1.40E-04
4271	563001.71	4235027.5	2.31E-03	2.06E-03	3.91E-04	3.30E-04	1.86E-03	1.51E-03	3.05E-04	2.93E-04	2.28E-04	1.50E-04
4272	563010.16	4235032.05	2.47E-03	2.20E-03	4.19E-04	3.53E-04	1.99E-03	1.62E-03	3.26E-04	3.13E-04	2.44E-04	1.60E-04
4273	563018.62	4235036.6	2.64E-03	2.36E-03	4.48E-04	3.78E-04	2.13E-03	1.73E-03	3.49E-04	3.35E-04	2.61E-04	1.71E-04
4274	563027.07	4235041.15	2.82E-03	2.52E-03	4.79E-04	4.03E-04	2.28E-03	1.85E-03	3.73E-04	3.58E-04	2.79E-04	1.83E-04

4275	563035.52	4235045.7	3.02E-03	2.69E-03	5.12E-04	4.31E-04	2.43E-03	1.97E-03	3.99E-04	3.83E-04	2.98E-04	1.95E-04
4276	563043.97	4235050.25	3.23E-03	2.88E-03	5.49E-04	4.62E-04	2.61E-03	2.12E-03	4.28E-04	4.10E-04	3.19E-04	2.10E-04
4277	563052.42	4235054.8	3.46E-03	3.08E-03	5.86E-04	4.94E-04	2.79E-03	2.26E-03	4.57E-04	4.39E-04	3.41E-04	2.24E-04
4278	563060.87	4235059.35	3.67E-03	3.28E-03	6.24E-04	5.26E-04	2.97E-03	2.40E-03	4.86E-04	4.66E-04	3.63E-04	2.38E-04
4279	563069.32	4235063.9	3.87E-03	3.45E-03	6.56E-04	5.53E-04	3.12E-03	2.53E-03	5.11E-04	4.91E-04	3.82E-04	2.51E-04
4280	563077.78	4235068.45	4.04E-03	3.60E-03	6.85E-04	5.77E-04	3.26E-03	2.64E-03	5.34E-04	5.12E-04	3.99E-04	2.62E-04
4281	563086.23	4235073	4.19E-03	3.74E-03	7.11E-04	5.99E-04	3.38E-03	2.74E-03	5.54E-04	5.31E-04	4.14E-04	2.71E-04
4282	563094.68	4235077.55	4.32E-03	3.85E-03	7.33E-04	6.18E-04	3.49E-03	2.83E-03	5.71E-04	5.48E-04	4.26E-04	2.80E-04
4283	563103.13	4235082.1	4.43E-03	3.95E-03	7.51E-04	6.33E-04	3.57E-03	2.90E-03	5.85E-04	5.62E-04	4.37E-04	2.87E-04
4284	563111.58	4235086.65	4.50E-03	4.01E-03	7.63E-04	6.43E-04	3.63E-03	2.94E-03	5.95E-04	5.71E-04	4.44E-04	2.92E-04
4285	563120.03	4235091.2	4.55E-03	4.06E-03	7.71E-04	6.50E-04	3.67E-03	2.98E-03	6.01E-04	5.77E-04	4.49E-04	2.95E-04
4286	563128.48	4235095.75	4.57E-03	4.08E-03	7.76E-04	6.54E-04	3.69E-03	2.99E-03	6.05E-04	5.80E-04	4.52E-04	2.96E-04
4287	563136.94	4235100.3	4.57E-03	4.07E-03	7.75E-04	6.53E-04	3.69E-03	2.99E-03	6.04E-04	5.80E-04	4.51E-04	2.96E-04
4288	563145.39	4235104.85	4.53E-03	4.04E-03	7.68E-04	6.47E-04	3.66E-03	2.96E-03	5.99E-04	5.74E-04	4.47E-04	2.93E-04
4289	563153.84	4235109.4	4.46E-03	3.97E-03	7.56E-04	6.37E-04	3.60E-03	2.92E-03	5.89E-04	5.65E-04	4.40E-04	2.89E-04
4290	563162.29	4235113.94	4.37E-03	3.90E-03	7.41E-04	6.25E-04	3.53E-03	2.86E-03	5.78E-04	5.54E-04	4.31E-04	2.83E-04
4291	562968.57	4235029.26	1.75E-03	1.56E-03	2.96E-04	2.50E-04	1.41E-03	1.14E-03	2.31E-04	2.22E-04	1.73E-04	1.13E-04
4292	562961.8	4235022.51	1.67E-03	1.49E-03	2.84E-04	2.39E-04	1.35E-03	1.09E-03	2.21E-04	2.12E-04	1.65E-04	1.08E-04
4293	562955.04	4235015.76	1.60E-03	1.43E-03	2.72E-04	2.29E-04	1.29E-03	1.05E-03	2.12E-04	2.03E-04	1.58E-04	1.04E-04
4294	562948.28	4235009	1.53E-03	1.37E-03	2.60E-04	2.19E-04	1.24E-03	1.00E-03	2.03E-04	1.95E-04	1.52E-04	9.94E-05
4295	562941.51	4235002.25	1.47E-03	1.31E-03	2.50E-04	2.11E-04	1.19E-03	9.64E-04	1.95E-04	1.87E-04	1.45E-04	9.55E-05
4296	562934.75	4234995.5	1.42E-03	1.26E-03	2.40E-04	2.03E-04	1.14E-03	9.27E-04	1.87E-04	1.80E-04	1.40E-04	9.18E-05
4297	562927.99	4234988.75	1.37E-03	1.22E-03	2.32E-04	1.95E-04	1.10E-03	8.94E-04	1.81E-04	1.73E-04	1.35E-04	8.86E-05
4298	562921.23	4234981.99	1.32E-03	1.18E-03	2.24E-04	1.89E-04	1.07E-03	8.65E-04	1.75E-04	1.68E-04	1.31E-04	8.57E-05
4299	562914.46	4234975.24	1.28E-03	1.14E-03	2.18E-04	1.83E-04	1.04E-03	8.39E-04	1.70E-04	1.63E-04	1.27E-04	8.31E-05
4300	562907.7	4234968.49	1.25E-03	1.11E-03	2.12E-04	1.79E-04	1.01E-03	8.18E-04	1.65E-04	1.59E-04	1.23E-04	8.10E-05
4301	562900.94	4234961.74	1.22E-03	1.09E-03	2.07E-04	1.75E-04	9.87E-04	8.00E-04	1.62E-04	1.55E-04	1.21E-04	7.92E-05
4302	562892.23	4234945.63	1.23E-03	1.09E-03	2.08E-04	1.75E-04	9.91E-04	8.03E-04	1.62E-04	1.56E-04	1.21E-04	7.95E-05
4303	562890.29	4234936.27	1.26E-03	1.12E-03	2.14E-04	1.80E-04	1.02E-03	8.25E-04	1.67E-04	1.60E-04	1.25E-04	8.17E-05
4304	562888.35	4234926.91	1.30E-03	1.16E-03	2.21E-04	1.86E-04	1.05E-03	8.53E-04	1.72E-04	1.65E-04	1.29E-04	8.45E-05
4305	562886.41	4234917.55	1.36E-03	1.21E-03	2.30E-04	1.94E-04	1.10E-03	8.88E-04	1.79E-04	1.72E-04	1.34E-04	8.79E-05
4306	562884.46	4234908.19	1.42E-03	1.27E-03	2.41E-04	2.03E-04	1.15E-03	9.30E-04	1.88E-04	1.80E-04	1.40E-04	9.21E-05
4307	562882.52	4234898.84	1.50E-03	1.34E-03	2.54E-04	2.14E-04	1.21E-03	9.80E-04	1.98E-04	1.90E-04	1.48E-04	9.71E-05
4308	562880.58	4234889.48	1.59E-03	1.42E-03	2.69E-04	2.27E-04	1.28E-03	1.04E-03	2.10E-04	2.01E-04	1.57E-04	1.03E-04
4309	562878.64	4234880.12	1.69E-03	1.51E-03	2.87E-04	2.42E-04	1.37E-03	1.11E-03	2.24E-04	2.15E-04	1.67E-04	1.10E-04
4310	562876.7	4234870.76	1.80E-03	1.61E-03	3.06E-04	2.58E-04	1.46E-03	1.18E-03	2.38E-04	2.29E-04	1.78E-04	1.17E-04
4311	562874.76	4234861.41	1.91E-03	1.71E-03	3.25E-04	2.74E-04	1.55E-03	1.25E-03	2.53E-04	2.43E-04	1.89E-04	1.24E-04
4312	562872.81	4234852.05	2.03E-03	1.81E-03	3.44E-04	2.90E-04	1.64E-03	1.33E-03	2.68E-04	2.57E-04	2.00E-04	1.31E-04
4313	562975.33	4235036.02	1.83E-03	1.63E-03	3.10E-04	2.61E-04	1.48E-03	1.20E-03	2.42E-04	2.32E-04	1.80E-04	1.18E-04
4314	562983.78	4235040.56	1.94E-03	1.73E-03	3.30E-04	2.78E-04	1.57E-03	1.27E-03	2.57E-04	2.46E-04	1.92E-04	1.26E-04
4315	562992.23	4235045.11	2.07E-03	1.84E-03	3.51E-04	2.96E-04	1.67E-03	1.35E-03	2.73E-04	2.62E-04	2.04E-04	1.34E-04
4316	563000.68	4235049.66	2.20E-03	1.96E-03	3.73E-04	3.15E-04	1.78E-03	1.44E-03	2.91E-04	2.79E-04	2.17E-04	1.43E-04
4317	563009.14	4235054.21	2.34E-03	2.09E-03	3.97E-04	3.35E-04	1.89E-03	1.53E-03	3.10E-04	2.97E-04	2.31E-04	1.52E-04
4318	563017.59	4235058.76	2.49E-03	2.22E-03	4.23E-04	3.56E-04	2.01E-03	1.63E-03	3.29E-04	3.16E-04	2.46E-04	1.61E-04
4319	563026.04	4235063.31	2.65E-03	2.36E-03	4.49E-04	3.78E-04	2.14E-03	1.73E-03	3.50E-04	3.36E-04	2.61E-04	1.71E-04
4320	563034.49	4235067.86	2.81E-03	2.50E-03	4.76E-04	4.01E-04	2.27E-03	1.84E-03	3.71E-04	3.56E-04	2.77E-04	1.82E-04
4321	563042.94	4235072.41	2.99E-03	2.67E-03	5.07E-04	4.28E-04	2.41E-03	1.96E-03	3.95E-04	3.79E-04	2.95E-04	1.94E-04
4322	563051.39	4235076.96	3.17E-03	2.83E-03	5.38E-04	4.54E-04	2.56E-03	2.08E-03	4.20E-04	4.03E-04	3.13E-04	2.06E-04
4323	563059.84	4235081.51	3.35E-03	2.99E-03	5.69E-04	4.79E-04	2.71E-03	2.19E-03	4.43E-04	4.25E-04	3.31E-04	2.17E-04
4324	563068.3	4235086.06	3.51E-03	3.13E-03	5.95E-04	5.02E-04	2.83E-03	2.30E-03	4.64E-04	4.45E-04	3.46E-04	2.27E-04
4325	563076.75	4235090.61	3.64E-03	3.25E-03	6.18E-04	5.21E-04	2.94E-03	2.38E-03	4.82E-04	4.62E-04	3.60E-04	2.36E-04
4326	563085.2	4235095.16	3.76E-03	3.35E-03	6.38E-04	5.38E-04	3.04E-03	2.46E-03	4.97E-04	4.77E-04	3.71E-04	2.44E-04
4327	563093.65	4235099.71	3.86E-03	3.44E-03	6.55E-04	5.52E-04	3.12E-03	2.53E-03	5.10E-04	4.90E-04	3.81E-04	2.50E-04
4328	563102.1	4235104.26	3.94E-03	3.51E-03	6.68E-04	5.63E-04	3.18E-03	2.58E-03	5.21E-04	5.00E-04	3.89E-04	2.55E-04
4329	563110.55	4235108.81	3.99E-03	3.56E-03	6.78E-04	5.71E-04	3.23E-03	2.61E-03	5.28E-04	5.07E-04	3.94E-04	2.59E-04
4330	563119	4235113.36	4.03E-03	3.59E-03	6.83E-04	5.76E-04	3.25E-03	2.64E-03	5.33E-04	5.11E-04	3.98E-04	2.61E-04
4331	563127.46	4235117.91	4.04E-03	3.60E-03	6.85E-04	5.77E-04	3.26E-03	2.64E-03	5.34E-04	5.12E-04	3.99E-04	2.62E-04
4332	563135.91	4235122.46	4.02E-03	3.59E-03	6.82E-04	5.75E-04	3.25E-03	2.63E-03	5.32E-04	5.10E-04	3.97E-04	2.61E-04
4333	563144.36	4235127.01	3.98E-03	3.55E-03	6.76E-04	5.70E-04	3.22E-03	2.61E-03	5.27E-04	5.06E-04	3.93E-04	2.58E-04
4334	563152.81	4235131.56	3.93E-03	3.50E-03	6.66E-04	5.61E-04	3.17E-03	2.57E-03	5.19E-04	4.98E-04	3.88E-04	2.54E-04
4335	562959.47	4235047.26	1.60E-03	1.43E-03	2.71E-04	2.29E-04	1.29E-03	1.05E-03	2.11E-04	2.03E-04	1.58E-04	1.04E-04
4336	562953.1	4235040.89	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.01E-03	2.03E-04	1.95E-04	1.52E-04	9.96E-05
4337	562946.72	4235034.53	1.48E-03	1.32E-03	2.51E-04	2.11E-04	1.19E-03	9.67E-04	1.95E-04	1.87E-04	1.46E-04	9.57E-05
4338	562940.34	4235028.16	1.42E-03	1.27E-03	2.41E-04	2.03E-04	1.15E-03	9.30E-04	1.88E-04	1.80E-04	1.40E-04	9.21E-05
4339	562927.59	4235015.42	1.32E-03	1.18E-03	2.24E-04	1.89E-04	1.07E-03	8.64E-04	1.75E-04	1.68E-04	1.30E-04	8.56E-05
4340	562921.21	4235009.06	1.28E-03	1.14E-03	2.16E-04	1.82E-04	1.03E-03	8.34E-04	1.69E-04	1.62E-04	1.26E-04	8.26E-05
4341	562914.84	4235002.69	1.23E-03	1.10E-03	2.09E-04	1.76E-04	9.96E-04	8.07E-04	1.63E-04	1.57E-04	1.22E-04	7.99E-05
4342	562902.08	4234989.96	1.16E-03	1.04E-03	1.97E-04	1.66E-04	9.38E-04	7.60E-04	1.54E-04	1.47E-04	1.15E-04	7.53E-05
4343	562895.71	4234983.59	1.13E-03	1.01E-03	1.92E-04	1.62E-04	9.14E-04	7.41E-04	1.50E-04	1.44E-04	1.12E-04	7.34E-05

4344	562889.33	4234977.22	1.11E-03	9.87E-04	1.88E-04	1.58E-04	8.94E-04	7.24E-04	1.46E-04	1.40E-04	1.09E-04	7.17E-05
4345	562874.75	4234955.67	1.09E-03	9.70E-04	1.84E-04	1.55E-04	8.78E-04	7.11E-04	1.44E-04	1.38E-04	1.07E-04	7.05E-05
4346	562871.08	4234938.02	1.14E-03	1.02E-03	1.94E-04	1.63E-04	9.22E-04	7.47E-04	1.51E-04	1.45E-04	1.13E-04	7.40E-05
4347	562869.25	4234929.2	1.18E-03	1.05E-03	2.00E-04	1.69E-04	9.52E-04	7.72E-04	1.56E-04	1.50E-04	1.16E-04	7.64E-05
4348	562865.59	4234911.55	1.28E-03	1.14E-03	2.17E-04	1.83E-04	1.03E-03	8.36E-04	1.69E-04	1.62E-04	1.26E-04	8.28E-05
4349	562863.76	4234902.73	1.34E-03	1.20E-03	2.28E-04	1.92E-04	1.08E-03	8.77E-04	1.77E-04	1.70E-04	1.32E-04	8.69E-05
4350	562860.1	4234885.08	1.50E-03	1.34E-03	2.54E-04	2.14E-04	1.21E-03	9.79E-04	1.98E-04	1.90E-04	1.48E-04	9.70E-05
4351	562856.44	4234867.44	1.65E-03	1.48E-03	2.81E-04	2.36E-04	1.34E-03	1.08E-03	2.19E-04	2.10E-04	1.63E-04	1.07E-04
4352	562854.61	4234858.61	1.72E-03	1.53E-03	2.92E-04	2.46E-04	1.39E-03	1.13E-03	2.28E-04	2.18E-04	1.70E-04	1.12E-04
4353	562974.3	4235058.18	1.76E-03	1.57E-03	2.99E-04	2.52E-04	1.42E-03	1.15E-03	2.33E-04	2.23E-04	1.74E-04	1.14E-04
4354	562982.75	4235062.72	1.87E-03	1.66E-03	3.17E-04	2.67E-04	1.51E-03	1.22E-03	2.47E-04	2.37E-04	1.84E-04	1.21E-04
4355	562991.2	4235067.27	1.98E-03	1.76E-03	3.36E-04	2.83E-04	1.60E-03	1.29E-03	2.62E-04	2.51E-04	1.95E-04	1.28E-04
4356	562999.66	4235071.82	2.10E-03	1.87E-03	3.56E-04	3.00E-04	1.69E-03	1.37E-03	2.77E-04	2.66E-04	2.07E-04	1.36E-04
4357	563008.11	4235076.37	2.22E-03	1.98E-03	3.77E-04	3.17E-04	1.79E-03	1.45E-03	2.94E-04	2.82E-04	2.19E-04	1.44E-04
4358	563016.56	4235080.92	2.35E-03	2.09E-03	3.98E-04	3.36E-04	1.90E-03	1.54E-03	3.11E-04	2.98E-04	2.32E-04	1.52E-04
4359	563025.01	4235085.47	2.48E-03	2.21E-03	4.21E-04	3.55E-04	2.00E-03	1.62E-03	3.28E-04	3.15E-04	2.45E-04	1.61E-04
4360	563033.46	4235090.02	2.61E-03	2.33E-03	4.44E-04	3.74E-04	2.11E-03	1.71E-03	3.46E-04	3.32E-04	2.58E-04	1.69E-04
4361	563041.91	4235094.57	2.77E-03	2.47E-03	4.70E-04	3.96E-04	2.23E-03	1.81E-03	3.66E-04	3.51E-04	2.73E-04	1.79E-04
4362	563050.36	4235099.12	2.92E-03	2.60E-03	4.95E-04	4.18E-04	2.36E-03	1.91E-03	3.86E-04	3.71E-04	2.88E-04	1.89E-04
4363	563058.82	4235103.67	3.07E-03	2.74E-03	5.20E-04	4.39E-04	2.48E-03	2.01E-03	4.06E-04	3.89E-04	3.03E-04	1.99E-04
4364	563067.27	4235108.22	3.20E-03	2.85E-03	5.42E-04	4.57E-04	2.58E-03	2.09E-03	4.23E-04	4.05E-04	3.16E-04	2.07E-04
4365	563075.72	4235112.77	3.30E-03	2.95E-03	5.60E-04	4.72E-04	2.67E-03	2.16E-03	4.37E-04	4.19E-04	3.26E-04	2.14E-04
4366	563084.17	4235117.32	3.39E-03	3.03E-03	5.76E-04	4.85E-04	2.74E-03	2.22E-03	4.49E-04	4.31E-04	3.35E-04	2.20E-04
4367	563092.62	4235121.87	3.47E-03	3.10E-03	5.89E-04	4.96E-04	2.80E-03	2.27E-03	4.59E-04	4.40E-04	3.43E-04	2.25E-04
4368	563101.07	4235126.42	3.53E-03	3.15E-03	5.99E-04	5.05E-04	2.85E-03	2.31E-03	4.67E-04	4.48E-04	3.49E-04	2.29E-04
4369	563109.52	4235130.97	3.57E-03	3.19E-03	6.06E-04	5.11E-04	2.89E-03	2.34E-03	4.73E-04	4.53E-04	3.53E-04	2.32E-04
4370	563117.98	4235135.52	3.60E-03	3.21E-03	6.10E-04	5.14E-04	2.90E-03	2.35E-03	4.76E-04	4.56E-04	3.55E-04	2.33E-04
4371	563126.43	4235140.07	3.60E-03	3.21E-03	6.11E-04	5.15E-04	2.91E-03	2.36E-03	4.76E-04	4.57E-04	3.55E-04	2.33E-04
4372	563134.88	4235144.62	3.58E-03	3.20E-03	6.08E-04	5.12E-04	2.89E-03	2.35E-03	4.74E-04	4.55E-04	3.54E-04	2.32E-04
4373	563143.33	4235149.17	3.55E-03	3.17E-03	6.02E-04	5.08E-04	2.87E-03	2.32E-03	4.69E-04	4.50E-04	3.51E-04	2.30E-04
4374	562949.88	4235064.75	1.47E-03	1.31E-03	2.49E-04	2.10E-04	1.18E-03	9.59E-04	1.94E-04	1.86E-04	1.45E-04	9.49E-05
4375	562943.38	4235058.27	1.41E-03	1.26E-03	2.39E-04	2.02E-04	1.14E-03	9.23E-04	1.87E-04	1.79E-04	1.39E-04	9.14E-05
4376	562936.89	4235051.79	1.36E-03	1.21E-03	2.30E-04	1.94E-04	1.10E-03	8.89E-04	1.80E-04	1.72E-04	1.34E-04	8.80E-05
4377	562930.4	4235045.31	1.31E-03	1.17E-03	2.22E-04	1.87E-04	1.06E-03	8.56E-04	1.73E-04	1.66E-04	1.29E-04	8.48E-05
4378	562923.91	4235038.82	1.26E-03	1.12E-03	2.14E-04	1.80E-04	1.02E-03	8.25E-04	1.67E-04	1.60E-04	1.25E-04	8.17E-05
4379	562917.41	4235032.34	1.22E-03	1.09E-03	2.06E-04	1.74E-04	9.82E-04	7.96E-04	1.61E-04	1.54E-04	1.20E-04	7.88E-05
4380	562910.92	4235025.86	1.18E-03	1.05E-03	1.99E-04	1.68E-04	9.49E-04	7.69E-04	1.55E-04	1.49E-04	1.16E-04	7.62E-05
4381	562904.43	4235019.38	1.14E-03	1.01E-03	1.93E-04	1.63E-04	9.18E-04	7.44E-04	1.50E-04	1.44E-04	1.12E-04	7.37E-05
4382	562897.94	4235012.89	1.10E-03	9.82E-04	1.87E-04	1.57E-04	8.89E-04	7.21E-04	1.46E-04	1.40E-04	1.09E-04	7.14E-05
4383	562891.44	4235006.41	1.07E-03	9.53E-04	1.81E-04	1.53E-04	8.63E-04	6.99E-04	1.41E-04	1.36E-04	1.06E-04	6.93E-05
4384	562884.95	4234999.93	1.04E-03	9.28E-04	1.76E-04	1.49E-04	8.40E-04	6.80E-04	1.38E-04	1.32E-04	1.03E-04	6.74E-05
4385	562878.46	4234993.45	1.01E-03	9.05E-04	1.72E-04	1.45E-04	8.19E-04	6.64E-04	1.34E-04	1.29E-04	1.00E-04	6.57E-05
4386	562871.97	4234986.96	9.92E-04	8.85E-04	1.68E-04	1.42E-04	8.01E-04	6.49E-04	1.31E-04	1.26E-04	9.80E-05	6.43E-05
4387	562865.47	4234980.48	9.73E-04	8.68E-04	1.65E-04	1.39E-04	7.86E-04	6.37E-04	1.29E-04	1.24E-04	9.61E-05	6.31E-05
4388	562857.12	4234965.01	9.73E-04	8.68E-04	1.65E-04	1.39E-04	7.86E-04	6.37E-04	1.29E-04	1.23E-04	9.61E-05	6.31E-05
4389	562855.25	4234956.03	9.93E-04	8.86E-04	1.68E-04	1.42E-04	8.02E-04	6.50E-04	1.31E-04	1.26E-04	9.80E-05	6.43E-05
4390	562853.39	4234947.05	1.02E-03	9.08E-04	1.73E-04	1.46E-04	8.22E-04	6.66E-04	1.35E-04	1.29E-04	1.00E-04	6.59E-05
4391	562851.53	4234938.06	1.05E-03	9.35E-04	1.78E-04	1.50E-04	8.46E-04	6.86E-04	1.39E-04	1.33E-04	1.04E-04	6.79E-05
4392	562849.66	4234929.08	1.08E-03	9.68E-04	1.84E-04	1.55E-04	8.76E-04	7.10E-04	1.43E-04	1.38E-04	1.07E-04	7.03E-05
4393	562847.8	4234920.1	1.13E-03	1.01E-03	1.92E-04	1.61E-04	9.11E-04	7.39E-04	1.49E-04	1.43E-04	1.11E-04	7.32E-05
4394	562845.93	4234911.11	1.18E-03	1.05E-03	2.00E-04	1.69E-04	9.53E-04	7.72E-04	1.56E-04	1.50E-04	1.17E-04	7.65E-05
4395	562844.07	4234902.13	1.24E-03	1.11E-03	2.10E-04	1.77E-04	1.00E-03	8.12E-04	1.64E-04	1.57E-04	1.22E-04	8.04E-05
4396	562842.21	4234893.15	1.31E-03	1.17E-03	2.22E-04	1.87E-04	1.06E-03	8.57E-04	1.73E-04	1.66E-04	1.29E-04	8.48E-05
4397	562840.34	4234884.16	1.39E-03	1.24E-03	2.35E-04	1.98E-04	1.12E-03	9.08E-04	1.83E-04	1.76E-04	1.37E-04	8.99E-05
4398	562838.48	4234875.18	1.47E-03	1.31E-03	2.50E-04	2.11E-04	1.19E-03	9.64E-04	1.95E-04	1.87E-04	1.45E-04	9.55E-05
4399	562836.61	4234866.2	1.55E-03	1.39E-03	2.63E-04	2.22E-04	1.25E-03	1.02E-03	2.05E-04	1.97E-04	1.53E-04	1.01E-04
4400	562834.75	4234857.21	1.64E-03	1.47E-03	2.79E-04	2.35E-04	1.33E-03	1.08E-03	2.18E-04	2.09E-04	1.62E-04	1.07E-04
4401	562832.89	4234848.23	1.75E-03	1.56E-03	2.97E-04	2.50E-04	1.41E-03	1.14E-03	2.31E-04	2.22E-04	1.73E-04	1.13E-04
4402	562964.82	4235075.79	1.61E-03	1.43E-03	2.73E-04	2.30E-04	1.30E-03	1.05E-03	2.12E-04	2.04E-04	1.59E-04	1.04E-04
4403	562973.27	4235080.34	1.70E-03	1.51E-03	2.88E-04	2.42E-04	1.37E-03	1.11E-03	2.24E-04	2.15E-04	1.67E-04	1.10E-04
4404	562981.72	4235084.88	1.79E-03	1.60E-03	3.04E-04	2.56E-04	1.45E-03	1.17E-03	2.37E-04	2.27E-04	1.77E-04	1.16E-04
4405	562990.18	4235089.43	1.89E-03	1.69E-03	3.21E-04	2.70E-04	1.53E-03	1.24E-03	2.50E-04	2.40E-04	1.87E-04	1.22E-04
4406	562998.63	4235093.98	1.99E-03	1.78E-03	3.38E-04	2.85E-04	1.61E-03	1.31E-03	2.64E-04	2.53E-04	1.97E-04	1.29E-04
4407	563007.08	4235098.53	2.10E-03	1.88E-03	3.57E-04	3.01E-04	1.70E-03	1.38E-03	2.78E-04	2.67E-04	2.08E-04	1.36E-04
4408	563015.53	4235103.08	2.21E-03	1.97E-03	3.76E-04	3.17E-04	1.79E-03	1.45E-03	2.93E-04	2.81E-04	2.19E-04	1.43E-04
4409	563023.98	4235107.63	2.33E-03	2.08E-03	3.95E-04	3.33E-04	1.88E-03	1.52E-03	3.08E-04	2.95E-04	2.30E-04	1.51E-04
4410	563032.43	4235112.18	2.44E-03	2.18E-03	4.14E-04	3.49E-04	1.97E-03	1.60E-03	3.23E-04	3.10E-04	2.41E-04	1.58E-04
4411	563040.88	4235116.73	2.57E-03	2.29E-03	4.36E-04	3.67E-04	2.07E-03	1.68E-03	3.39E-04	3.26E-04	2.53E-04	1.66E-04
4412	563049.34	4235121.28	2.69E-03	2.40E-03	4.56E-04	3.84E-04	2.17E-03	1.76E-03	3.55E-04	3.41E-04	2.65E-04	1.74E-04

4413	563057.79	4235125.83	2.80E-03	2.50E-03	4.75E-04	4.00E-04	2.26E-03	1.83E-03	3.70E-04	3.55E-04	2.76E-04	1.81E-04
4414	563066.24	4235130.38	2.90E-03	2.58E-03	4.91E-04	4.14E-04	2.34E-03	1.89E-03	3.83E-04	3.67E-04	2.86E-04	1.88E-04
4415	563074.69	4235134.93	2.98E-03	2.66E-03	5.06E-04	4.27E-04	2.41E-03	1.95E-03	3.95E-04	3.79E-04	2.95E-04	1.93E-04
4416	563083.14	4235139.48	3.06E-03	2.73E-03	5.20E-04	4.38E-04	2.47E-03	2.01E-03	4.05E-04	3.89E-04	3.03E-04	1.99E-04
4417	563091.59	4235144.03	3.14E-03	2.80E-03	5.32E-04	4.49E-04	2.53E-03	2.05E-03	4.15E-04	3.98E-04	3.10E-04	2.03E-04
4418	563100.04	4235148.58	3.18E-03	2.84E-03	5.40E-04	4.55E-04	2.57E-03	2.08E-03	4.21E-04	4.04E-04	3.14E-04	2.06E-04
4419	563108.5	4235153.13	3.21E-03	2.87E-03	5.45E-04	4.59E-04	2.59E-03	2.10E-03	4.25E-04	4.08E-04	3.17E-04	2.08E-04
4420	563116.95	4235157.68	3.23E-03	2.88E-03	5.48E-04	4.62E-04	2.61E-03	2.11E-03	4.27E-04	4.10E-04	3.19E-04	2.09E-04
4421	563125.4	4235162.23	3.23E-03	2.88E-03	5.48E-04	4.62E-04	2.61E-03	2.12E-03	4.27E-04	4.10E-04	3.19E-04	2.09E-04
4422	563133.85	4235166.78	3.22E-03	2.87E-03	5.46E-04	4.60E-04	2.60E-03	2.10E-03	4.25E-04	4.08E-04	3.18E-04	2.08E-04
4423	562940.3	4235082.26	1.35E-03	1.20E-03	2.29E-04	1.93E-04	1.09E-03	8.83E-04	1.78E-04	1.71E-04	1.33E-04	8.75E-05
4424	562933.7	4235075.68	1.30E-03	1.16E-03	2.21E-04	1.86E-04	1.05E-03	8.51E-04	1.72E-04	1.65E-04	1.28E-04	8.43E-05
4425	562927.11	4235069.1	1.25E-03	1.12E-03	2.13E-04	1.79E-04	1.01E-03	8.21E-04	1.66E-04	1.59E-04	1.24E-04	8.13E-05
4426	562920.51	4235062.51	1.21E-03	1.08E-03	2.05E-04	1.73E-04	9.77E-04	7.92E-04	1.60E-04	1.53E-04	1.19E-04	7.84E-05
4427	562913.92	4235055.93	1.17E-03	1.04E-03	1.98E-04	1.67E-04	9.42E-04	7.64E-04	1.54E-04	1.48E-04	1.15E-04	7.56E-05
4428	562907.33	4235049.34	1.13E-03	1.01E-03	1.91E-04	1.61E-04	9.10E-04	7.37E-04	1.49E-04	1.43E-04	1.11E-04	7.30E-05
4429	562900.73	4235042.76	1.09E-03	9.71E-04	1.85E-04	1.56E-04	8.79E-04	7.12E-04	1.44E-04	1.38E-04	1.08E-04	7.06E-05
4430	562894.14	4235036.18	1.05E-03	9.40E-04	1.79E-04	1.51E-04	8.50E-04	6.89E-04	1.39E-04	1.34E-04	1.04E-04	6.83E-05
4431	562887.54	4235029.59	1.02E-03	9.10E-04	1.73E-04	1.46E-04	8.24E-04	6.68E-04	1.35E-04	1.29E-04	1.01E-04	6.61E-05
4432	562880.95	4235023.01	9.90E-04	8.83E-04	1.68E-04	1.42E-04	7.99E-04	6.48E-04	1.31E-04	1.26E-04	9.78E-05	6.42E-05
4433	562874.36	4235016.42	9.62E-04	8.58E-04	1.63E-04	1.38E-04	7.77E-04	6.30E-04	1.27E-04	1.22E-04	9.50E-05	6.24E-05
4434	562867.76	4235009.84	9.37E-04	8.36E-04	1.59E-04	1.34E-04	7.57E-04	6.13E-04	1.24E-04	1.19E-04	9.26E-05	6.07E-05
4435	562861.17	4235003.26	9.15E-04	8.16E-04	1.55E-04	1.31E-04	7.39E-04	5.99E-04	1.21E-04	1.16E-04	9.04E-05	5.93E-05
4436	562854.57	4234996.67	8.96E-04	7.99E-04	1.52E-04	1.28E-04	7.23E-04	5.86E-04	1.18E-04	1.14E-04	8.85E-05	5.80E-05
4437	562847.98	4234990.09	8.79E-04	7.84E-04	1.49E-04	1.26E-04	7.10E-04	5.75E-04	1.16E-04	1.12E-04	8.68E-05	5.70E-05
4438	562839.49	4234974.38	8.78E-04	7.83E-04	1.49E-04	1.26E-04	7.09E-04	5.74E-04	1.16E-04	1.11E-04	8.67E-05	5.69E-05
4439	562837.6	4234965.26	8.94E-04	7.97E-04	1.52E-04	1.28E-04	7.22E-04	5.85E-04	1.18E-04	1.13E-04	8.83E-05	5.79E-05
4440	562835.71	4234956.13	9.14E-04	8.15E-04	1.55E-04	1.31E-04	7.38E-04	5.98E-04	1.21E-04	1.16E-04	9.03E-05	5.92E-05
4441	562833.81	4234947.01	9.39E-04	8.37E-04	1.59E-04	1.34E-04	7.58E-04	6.14E-04	1.24E-04	1.19E-04	9.27E-05	6.08E-05
4442	562831.92	4234937.89	9.69E-04	8.64E-04	1.64E-04	1.39E-04	7.82E-04	6.34E-04	1.28E-04	1.23E-04	9.57E-05	6.28E-05
4443	562830.03	4234928.76	1.01E-03	8.97E-04	1.71E-04	1.44E-04	8.12E-04	6.58E-04	1.33E-04	1.28E-04	9.93E-05	6.51E-05
4444	562828.13	4234919.64	1.05E-03	9.35E-04	1.78E-04	1.50E-04	8.46E-04	6.86E-04	1.39E-04	1.33E-04	1.03E-04	6.79E-05
4445	562826.24	4234910.51	1.10E-03	9.79E-04	1.86E-04	1.57E-04	8.86E-04	7.18E-04	1.45E-04	1.39E-04	1.08E-04	7.11E-05
4446	562824.35	4234901.39	1.15E-03	1.03E-03	1.96E-04	1.65E-04	9.32E-04	7.56E-04	1.53E-04	1.47E-04	1.14E-04	7.48E-05
4447	562822.45	4234892.27	1.22E-03	1.09E-03	2.07E-04	1.74E-04	9.84E-04	7.98E-04	1.61E-04	1.55E-04	1.20E-04	7.90E-05
4448	562820.56	4234883.14	1.29E-03	1.15E-03	2.19E-04	1.85E-04	1.04E-03	8.46E-04	1.71E-04	1.64E-04	1.28E-04	8.38E-05
4449	562818.67	4234874.02	1.38E-03	1.23E-03	2.34E-04	1.97E-04	1.11E-03	9.01E-04	1.82E-04	1.75E-04	1.36E-04	8.92E-05
4450	562816.77	4234864.9	1.47E-03	1.31E-03	2.49E-04	2.10E-04	1.18E-03	9.60E-04	1.94E-04	1.86E-04	1.45E-04	9.51E-05
4451	562814.88	4234855.77	1.57E-03	1.40E-03	2.66E-04	2.24E-04	1.27E-03	1.03E-03	2.07E-04	1.99E-04	1.55E-04	1.02E-04
4452	562812.99	4234846.65	1.67E-03	1.49E-03	2.84E-04	2.40E-04	1.35E-03	1.10E-03	2.21E-04	2.13E-04	1.65E-04	1.09E-04
4453	562946.89	4235088.85	1.40E-03	1.25E-03	2.38E-04	2.00E-04	1.13E-03	9.16E-04	1.85E-04	1.78E-04	1.38E-04	9.07E-05
4454	562955.34	4235093.4	1.47E-03	1.31E-03	2.50E-04	2.11E-04	1.19E-03	9.64E-04	1.95E-04	1.87E-04	1.45E-04	9.54E-05
4455	562963.79	4235097.95	1.55E-03	1.38E-03	2.63E-04	2.22E-04	1.25E-03	1.01E-03	2.05E-04	1.97E-04	1.53E-04	1.00E-04
4456	562972.24	4235102.5	1.63E-03	1.45E-03	2.77E-04	2.33E-04	1.32E-03	1.07E-03	2.16E-04	2.07E-04	1.61E-04	1.06E-04
4457	562980.7	4235107.04	1.72E-03	1.53E-03	2.91E-04	2.45E-04	1.39E-03	1.12E-03	2.27E-04	2.18E-04	1.69E-04	1.11E-04
4458	562989.15	4235111.59	1.80E-03	1.61E-03	3.06E-04	2.58E-04	1.46E-03	1.18E-03	2.39E-04	2.29E-04	1.78E-04	1.17E-04
4459	562997.6	4235116.14	1.90E-03	1.69E-03	3.22E-04	2.71E-04	1.53E-03	1.24E-03	2.51E-04	2.41E-04	1.87E-04	1.23E-04
4460	563006.05	4235120.69	1.99E-03	1.78E-03	3.38E-04	2.85E-04	1.61E-03	1.30E-03	2.63E-04	2.53E-04	1.97E-04	1.29E-04
4461	563014.5	4235125.24	2.09E-03	1.86E-03	3.54E-04	2.98E-04	1.68E-03	1.37E-03	2.76E-04	2.65E-04	2.06E-04	1.35E-04
4462	563022.95	4235129.79	2.18E-03	1.95E-03	3.70E-04	3.12E-04	1.76E-03	1.43E-03	2.89E-04	2.77E-04	2.16E-04	1.41E-04
4463	563031.4	4235134.34	2.28E-03	2.03E-03	3.87E-04	3.26E-04	1.84E-03	1.49E-03	3.01E-04	2.89E-04	2.25E-04	1.48E-04
4464	563039.86	4235138.89	2.38E-03	2.12E-03	4.03E-04	3.40E-04	1.92E-03	1.55E-03	3.14E-04	3.01E-04	2.35E-04	1.54E-04
4465	563048.31	4235143.44	2.47E-03	2.20E-03	4.18E-04	3.53E-04	1.99E-03	1.61E-03	3.26E-04	3.13E-04	2.44E-04	1.60E-04
4466	563056.76	4235147.99	2.55E-03	2.27E-03	4.32E-04	3.65E-04	2.06E-03	1.67E-03	3.37E-04	3.23E-04	2.52E-04	1.65E-04
4467	563065.21	4235152.54	2.63E-03	2.35E-03	4.46E-04	3.76E-04	2.12E-03	1.72E-03	3.48E-04	3.34E-04	2.60E-04	1.70E-04
4468	563073.66	4235157.09	2.71E-03	2.42E-03	4.60E-04	3.87E-04	2.19E-03	1.77E-03	3.58E-04	3.44E-04	2.68E-04	1.76E-04
4469	563082.11	4235161.64	2.77E-03	2.47E-03	4.71E-04	3.97E-04	2.24E-03	1.81E-03	3.67E-04	3.52E-04	2.74E-04	1.80E-04
4470	563090.56	4235166.19	2.82E-03	2.52E-03	4.79E-04	4.04E-04	2.28E-03	1.85E-03	3.73E-04	3.58E-04	2.79E-04	1.83E-04
4471	563099.02	4235170.74	2.86E-03	2.55E-03	4.85E-04	4.09E-04	2.31E-03	1.87E-03	3.78E-04	3.63E-04	2.83E-04	1.85E-04
4472	563107.47	4235175.29	2.89E-03	2.58E-03	4.91E-04	4.14E-04	2.33E-03	1.89E-03	3.82E-04	3.67E-04	2.86E-04	1.87E-04
4473	563115.92	4235179.84	2.91E-03	2.60E-03	4.94E-04	4.17E-04	2.35E-03	1.91E-03	3.85E-04	3.70E-04	2.88E-04	1.89E-04
4474	563124.37	4235184.39	2.92E-03	2.61E-03	4.96E-04	4.18E-04	2.36E-03	1.91E-03	3.86E-04	3.71E-04	2.89E-04	1.89E-04
4475	562930.73	4235099.78	1.25E-03	1.11E-03	2.12E-04	1.79E-04	1.01E-03	8.17E-04	1.65E-04	1.58E-04	1.23E-04	8.09E-05
4476	562924.04	4235093.11	1.21E-03	1.08E-03	2.05E-04	1.72E-04	9.73E-04	7.89E-04	1.59E-04	1.53E-04	1.19E-04	7.81E-05
4477	562917.36	4235086.44	1.16E-03	1.04E-03	1.97E-04	1.66E-04	9.40E-04	7.62E-04	1.54E-04	1.48E-04	1.15E-04	7.54E-05
4478	562910.68	4235079.76	1.12E-03	1.00E-03	1.91E-04	1.61E-04	9.07E-04	7.35E-04	1.49E-04	1.43E-04	1.11E-04	7.28E-05
4479	562903.99	4235073.09	1.08E-03	9.68E-04	1.84E-04	1.55E-04	8.76E-04	7.10E-04	1.43E-04	1.38E-04	1.07E-04	7.03E-05
4480	562897.31	4235066.42	1.05E-03	9.35E-04	1.78E-04	1.50E-04	8.46E-04	6.86E-04	1.39E-04	1.33E-04	1.04E-04	6.79E-05
4481	562890.63	4235059.74	1.01E-03	9.04E-04	1.72E-04	1.45E-04	8.18E-04	6.63E-04	1.34E-04	1.29E-04	1.00E-04	6.57E-05

4482	562883.94	4235053.07	9.81E-04	8.75E-04	1.66E-04	1.40E-04	7.92E-04	6.42E-04	1.30E-04	1.24E-04	9.69E-05	6.36E-05
4483	562877.26	4235046.4	9.50E-04	8.48E-04	1.61E-04	1.36E-04	7.67E-04	6.22E-04	1.26E-04	1.21E-04	9.38E-05	6.16E-05
4484	562870.57	4235039.73	9.22E-04	8.22E-04	1.56E-04	1.32E-04	7.44E-04	6.03E-04	1.22E-04	1.17E-04	9.10E-05	5.97E-05
4485	562863.89	4235033.05	8.96E-04	7.99E-04	1.52E-04	1.28E-04	7.23E-04	5.86E-04	1.18E-04	1.14E-04	8.85E-05	5.81E-05
4486	562857.21	4235026.38	8.72E-04	7.78E-04	1.48E-04	1.25E-04	7.04E-04	5.71E-04	1.15E-04	1.11E-04	8.61E-05	5.65E-05
4487	562850.52	4235019.71	8.50E-04	7.58E-04	1.44E-04	1.22E-04	6.86E-04	5.56E-04	1.12E-04	1.08E-04	8.40E-05	5.51E-05
4488	562843.84	4235013.03	8.31E-04	7.41E-04	1.41E-04	1.19E-04	6.71E-04	5.44E-04	1.10E-04	1.05E-04	8.20E-05	5.38E-05
4489	562837.16	4235006.36	8.14E-04	7.26E-04	1.38E-04	1.16E-04	6.57E-04	5.33E-04	1.08E-04	1.03E-04	8.04E-05	5.27E-05
4490	562830.47	4234999.69	7.99E-04	7.13E-04	1.36E-04	1.14E-04	6.45E-04	5.23E-04	1.06E-04	1.01E-04	7.89E-05	5.18E-05
4491	562821.87	4234983.77	7.96E-04	7.10E-04	1.35E-04	1.14E-04	6.43E-04	5.21E-04	1.05E-04	1.01E-04	7.87E-05	5.16E-05
4492	562819.95	4234974.52	8.08E-04	7.21E-04	1.37E-04	1.16E-04	6.52E-04	5.29E-04	1.07E-04	1.03E-04	7.98E-05	5.24E-05
4493	562818.03	4234965.27	8.22E-04	7.33E-04	1.39E-04	1.18E-04	6.64E-04	5.38E-04	1.09E-04	1.04E-04	8.12E-05	5.33E-05
4494	562816.11	4234956.02	8.41E-04	7.50E-04	1.43E-04	1.20E-04	6.79E-04	5.50E-04	1.11E-04	1.07E-04	8.31E-05	5.45E-05
4495	562814.2	4234946.77	8.64E-04	7.71E-04	1.47E-04	1.24E-04	6.98E-04	5.66E-04	1.14E-04	1.10E-04	8.54E-05	5.60E-05
4496	562812.28	4234937.53	8.92E-04	7.96E-04	1.51E-04	1.28E-04	7.21E-04	5.84E-04	1.18E-04	1.13E-04	8.81E-05	5.78E-05
4497	562810.36	4234928.28	9.26E-04	8.26E-04	1.57E-04	1.32E-04	7.47E-04	6.06E-04	1.22E-04	1.17E-04	9.14E-05	6.00E-05
4498	562808.44	4234919.03	9.65E-04	8.60E-04	1.64E-04	1.38E-04	7.79E-04	6.31E-04	1.28E-04	1.22E-04	9.53E-05	6.25E-05
4499	562806.52	4234909.78	1.01E-03	9.01E-04	1.71E-04	1.44E-04	8.15E-04	6.61E-04	1.34E-04	1.28E-04	9.97E-05	6.54E-05
4500	562804.6	4234900.54	1.06E-03	9.50E-04	1.81E-04	1.52E-04	8.60E-04	6.97E-04	1.41E-04	1.35E-04	1.05E-04	6.90E-05
4501	562802.68	4234891.29	1.13E-03	1.01E-03	1.92E-04	1.62E-04	9.14E-04	7.40E-04	1.50E-04	1.44E-04	1.12E-04	7.33E-05
4502	562800.76	4234882.04	1.21E-03	1.08E-03	2.05E-04	1.73E-04	9.75E-04	7.90E-04	1.60E-04	1.53E-04	1.19E-04	7.82E-05
4503	562798.85	4234872.79	1.29E-03	1.15E-03	2.19E-04	1.85E-04	1.04E-03	8.44E-04	1.71E-04	1.64E-04	1.27E-04	8.36E-05
4504	562796.93	4234863.55	1.38E-03	1.23E-03	2.33E-04	1.97E-04	1.11E-03	9.00E-04	1.82E-04	1.75E-04	1.36E-04	8.92E-05
4505	562795.01	4234854.3	1.47E-03	1.31E-03	2.49E-04	2.10E-04	1.19E-03	9.61E-04	1.94E-04	1.86E-04	1.45E-04	9.52E-05
4506	562793.09	4234845.05	1.57E-03	1.40E-03	2.66E-04	2.24E-04	1.27E-03	1.03E-03	2.07E-04	1.99E-04	1.55E-04	1.02E-04
4507	562937.41	4235106.46	1.29E-03	1.15E-03	2.19E-04	1.85E-04	1.04E-03	8.46E-04	1.71E-04	1.64E-04	1.28E-04	8.38E-05
4508	562945.86	4235111.01	1.36E-03	1.21E-03	2.30E-04	1.94E-04	1.10E-03	8.88E-04	1.79E-04	1.72E-04	1.34E-04	8.80E-05
4509	562954.31	4235115.56	1.42E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.32E-04	1.88E-04	1.81E-04	1.41E-04	9.23E-05
4510	562962.76	4235120.11	1.49E-03	1.33E-03	2.54E-04	2.14E-04	1.21E-03	9.78E-04	1.98E-04	1.90E-04	1.48E-04	9.68E-05
4511	562971.22	4235124.66	1.57E-03	1.40E-03	2.66E-04	2.24E-04	1.27E-03	1.03E-03	2.07E-04	1.99E-04	1.55E-04	1.02E-04
4512	562979.67	4235129.2	1.64E-03	1.47E-03	2.79E-04	2.35E-04	1.33E-03	1.08E-03	2.17E-04	2.08E-04	1.62E-04	1.06E-04
4513	562988.12	4235133.75	1.72E-03	1.54E-03	2.92E-04	2.46E-04	1.39E-03	1.13E-03	2.28E-04	2.18E-04	1.70E-04	1.12E-04
4514	562996.57	4235138.3	1.80E-03	1.61E-03	3.06E-04	2.58E-04	1.45E-03	1.18E-03	2.38E-04	2.29E-04	1.78E-04	1.17E-04
4515	563005.02	4235142.85	1.88E-03	1.68E-03	3.20E-04	2.69E-04	1.52E-03	1.23E-03	2.49E-04	2.39E-04	1.86E-04	1.22E-04
4516	563013.47	4235147.4	1.97E-03	1.75E-03	3.34E-04	2.81E-04	1.59E-03	1.29E-03	2.60E-04	2.50E-04	1.94E-04	1.27E-04
4517	563021.92	4235151.95	2.05E-03	1.83E-03	3.48E-04	2.93E-04	1.66E-03	1.34E-03	2.71E-04	2.60E-04	2.02E-04	1.33E-04
4518	563030.38	4235156.5	2.13E-03	1.90E-03	3.62E-04	3.05E-04	1.72E-03	1.39E-03	2.82E-04	2.70E-04	2.11E-04	1.38E-04
4519	563038.83	4235161.05	2.21E-03	1.97E-03	3.75E-04	3.16E-04	1.79E-03	1.45E-03	2.92E-04	2.81E-04	2.18E-04	1.43E-04
4520	563047.28	4235165.6	2.29E-03	2.04E-03	3.88E-04	3.27E-04	1.85E-03	1.50E-03	3.02E-04	2.90E-04	2.26E-04	1.48E-04
4521	563055.73	4235170.15	2.36E-03	2.10E-03	4.00E-04	3.37E-04	1.90E-03	1.54E-03	3.12E-04	2.99E-04	2.33E-04	1.53E-04
4522	563064.18	4235174.7	2.42E-03	2.16E-03	4.11E-04	3.46E-04	1.96E-03	1.59E-03	3.20E-04	3.07E-04	2.39E-04	1.57E-04
4523	563072.63	4235179.25	2.48E-03	2.21E-03	4.21E-04	3.55E-04	2.00E-03	1.62E-03	3.28E-04	3.15E-04	2.45E-04	1.61E-04
4524	563081.08	4235183.8	2.53E-03	2.26E-03	4.29E-04	3.62E-04	2.04E-03	1.65E-03	3.34E-04	3.21E-04	2.50E-04	1.64E-04
4525	563089.54	4235188.35	2.57E-03	2.29E-03	4.36E-04	3.67E-04	2.07E-03	1.68E-03	3.40E-04	3.26E-04	2.54E-04	1.66E-04
4526	563097.99	4235192.9	2.60E-03	2.32E-03	4.42E-04	3.72E-04	2.10E-03	1.70E-03	3.44E-04	3.30E-04	2.57E-04	1.69E-04
4527	563106.44	4235197.45	2.63E-03	2.35E-03	4.47E-04	3.76E-04	2.13E-03	1.72E-03	3.48E-04	3.34E-04	2.60E-04	1.71E-04
4528	563114.89	4235202	2.65E-03	2.36E-03	4.50E-04	3.79E-04	2.14E-03	1.73E-03	3.50E-04	3.36E-04	2.62E-04	1.72E-04
4529	562921.17	4235117.31	1.16E-03	1.03E-03	1.97E-04	1.66E-04	9.37E-04	7.59E-04	1.53E-04	1.47E-04	1.15E-04	7.52E-05
4530	562914.4	4235110.56	1.12E-03	1.00E-03	1.90E-04	1.60E-04	9.05E-04	7.34E-04	1.48E-04	1.42E-04	1.11E-04	7.27E-05
4531	562907.64	4235103.81	1.08E-03	9.67E-04	1.84E-04	1.55E-04	8.75E-04	7.09E-04	1.43E-04	1.37E-04	1.07E-04	7.02E-05
4532	562900.88	4235097.06	1.05E-03	9.34E-04	1.78E-04	1.50E-04	8.45E-04	6.85E-04	1.38E-04	1.33E-04	1.03E-04	6.79E-05
4533	562894.11	4235090.3	1.01E-03	9.03E-04	1.72E-04	1.45E-04	8.17E-04	6.62E-04	1.34E-04	1.28E-04	9.99E-05	6.56E-05
4534	562887.35	4235083.55	9.79E-04	8.73E-04	1.66E-04	1.40E-04	7.90E-04	6.40E-04	1.29E-04	1.24E-04	9.66E-05	6.34E-05
4535	562880.59	4235076.8	9.47E-04	8.45E-04	1.61E-04	1.35E-04	7.65E-04	6.20E-04	1.25E-04	1.20E-04	9.35E-05	6.14E-05
4536	562873.83	4235070.05	9.17E-04	8.18E-04	1.56E-04	1.31E-04	7.40E-04	6.00E-04	1.21E-04	1.16E-04	9.05E-05	5.94E-05
4537	562867.06	4235063.29	8.89E-04	7.93E-04	1.51E-04	1.27E-04	7.17E-04	5.82E-04	1.18E-04	1.13E-04	8.78E-05	5.76E-05
4538	562860.3	4235056.54	8.62E-04	7.69E-04	1.46E-04	1.23E-04	6.96E-04	5.64E-04	1.14E-04	1.09E-04	8.52E-05	5.59E-05
4539	562853.54	4235049.79	8.38E-04	7.47E-04	1.42E-04	1.20E-04	6.76E-04	5.48E-04	1.11E-04	1.06E-04	8.27E-05	5.43E-05
4540	562846.77	4235043.04	8.15E-04	7.27E-04	1.38E-04	1.17E-04	6.58E-04	5.33E-04	1.08E-04	1.03E-04	8.05E-05	5.28E-05
4541	562840.01	4235036.28	7.94E-04	7.09E-04	1.35E-04	1.14E-04	6.41E-04	5.20E-04	1.05E-04	1.01E-04	7.85E-05	5.15E-05
4542	562833.25	4235029.53	7.76E-04	6.92E-04	1.32E-04	1.11E-04	6.26E-04	5.08E-04	1.03E-04	9.84E-05	7.66E-05	5.03E-05
4543	562826.48	4235022.78	7.59E-04	6.77E-04	1.29E-04	1.08E-04	6.12E-04	4.96E-04	1.00E-04	9.62E-05	7.49E-05	4.92E-05
4544	562819.72	4235016.03	7.44E-04	6.63E-04	1.26E-04	1.06E-04	6.00E-04	4.87E-04	9.83E-05	9.43E-05	7.34E-05	4.82E-05
4545	562812.96	4235009.27	7.30E-04	6.52E-04	1.24E-04	1.04E-04	5.90E-04	4.78E-04	9.66E-05	9.27E-05	7.21E-05	4.73E-05
4546	562804.25	4234993.16	7.26E-04	6.48E-04	1.23E-04	1.04E-04	5.86E-04	4.75E-04	9.60E-05	9.22E-05	7.17E-05	4.71E-05
4547	562802.31	4234983.8	7.33E-04	6.54E-04	1.24E-04	1.05E-04	5.91E-04	4.79E-04	9.69E-05	9.30E-05	7.23E-05	4.75E-05
4548	562800.37	4234974.45	7.41E-04	6.61E-04	1.26E-04	1.06E-04	5.98E-04	4.85E-04	9.79E-05	9.40E-05	7.31E-05	4.80E-05
4549	562798.43	4234965.09	7.52E-04	6.71E-04	1.28E-04	1.08E-04	6.07E-04	4.92E-04	9.94E-05	9.54E-05	7.42E-05	4.87E-05
4550	562796.49	4234955.73	7.71E-04	6.87E-04	1.31E-04	1.10E-04	6.22E-04	5.04E-04	1.02E-04	9.78E-05	7.61E-05	4.99E-05

4551	562794.54	4234946.37	7.94E-04	7.08E-04	1.35E-04	1.13E-04	6.41E-04	5.19E-04	1.05E-04	1.01E-04	7.84E-05	5.14E-05
4552	562792.6	4234937.02	8.22E-04	7.33E-04	1.39E-04	1.17E-04	6.63E-04	5.38E-04	1.09E-04	1.04E-04	8.11E-05	5.32E-05
4553	562790.66	4234927.66	8.55E-04	7.63E-04	1.45E-04	1.22E-04	6.90E-04	5.60E-04	1.13E-04	1.09E-04	8.45E-05	5.54E-05
4554	562788.72	4234918.3	8.94E-04	7.97E-04	1.52E-04	1.28E-04	7.22E-04	5.85E-04	1.18E-04	1.13E-04	8.83E-05	5.79E-05
4555	562786.78	4234908.94	9.38E-04	8.37E-04	1.59E-04	1.34E-04	7.58E-04	6.14E-04	1.24E-04	1.19E-04	9.27E-05	6.08E-05
4556	562784.84	4234899.58	9.94E-04	8.86E-04	1.69E-04	1.42E-04	8.02E-04	6.50E-04	1.31E-04	1.26E-04	9.81E-05	6.44E-05
4557	562782.89	4234890.23	1.06E-03	9.42E-04	1.79E-04	1.51E-04	8.53E-04	6.91E-04	1.40E-04	1.34E-04	1.04E-04	6.84E-05
4558	562780.95	4234880.87	1.13E-03	1.00E-03	1.91E-04	1.61E-04	9.09E-04	7.37E-04	1.49E-04	1.43E-04	1.11E-04	7.30E-05
4559	562779.01	4234871.51	1.20E-03	1.07E-03	2.03E-04	1.71E-04	9.68E-04	7.84E-04	1.59E-04	1.52E-04	1.18E-04	7.77E-05
4560	562777.07	4234862.15	1.28E-03	1.14E-03	2.17E-04	1.83E-04	1.03E-03	8.35E-04	1.69E-04	1.62E-04	1.26E-04	8.27E-05
4561	562775.13	4234852.8	1.36E-03	1.21E-03	2.31E-04	1.94E-04	1.10E-03	8.90E-04	1.80E-04	1.73E-04	1.34E-04	8.81E-05
4562	562773.19	4234843.44	1.45E-03	1.29E-03	2.46E-04	2.07E-04	1.17E-03	9.48E-04	1.92E-04	1.84E-04	1.43E-04	9.39E-05
4563	562927.93	4235124.07	1.20E-03	1.07E-03	2.04E-04	1.72E-04	9.69E-04	7.85E-04	1.59E-04	1.52E-04	1.19E-04	7.78E-05
4564	562936.38	4235128.62	1.26E-03	1.12E-03	2.13E-04	1.80E-04	1.01E-03	8.22E-04	1.66E-04	1.59E-04	1.24E-04	8.14E-05
4565	562944.83	4235133.17	1.31E-03	1.17E-03	2.23E-04	1.88E-04	1.06E-03	8.60E-04	1.74E-04	1.67E-04	1.30E-04	8.52E-05
4566	562953.28	4235137.72	1.38E-03	1.23E-03	2.33E-04	1.97E-04	1.11E-03	9.00E-04	1.82E-04	1.75E-04	1.36E-04	8.91E-05
4567	562961.74	4235142.27	1.44E-03	1.28E-03	2.44E-04	2.06E-04	1.16E-03	9.41E-04	1.90E-04	1.83E-04	1.42E-04	9.32E-05
4568	562970.19	4235146.82	1.50E-03	1.34E-03	2.55E-04	2.15E-04	1.21E-03	9.84E-04	1.99E-04	1.91E-04	1.49E-04	9.75E-05
4569	562978.64	4235151.36	1.57E-03	1.40E-03	2.67E-04	2.25E-04	1.27E-03	1.03E-03	2.08E-04	1.99E-04	1.55E-04	1.02E-04
4570	562987.09	4235155.91	1.64E-03	1.46E-03	2.78E-04	2.35E-04	1.33E-03	1.07E-03	2.17E-04	2.08E-04	1.62E-04	1.06E-04
4571	562995.54	4235160.46	1.71E-03	1.53E-03	2.90E-04	2.45E-04	1.38E-03	1.12E-03	2.26E-04	2.17E-04	1.69E-04	1.11E-04
4572	563003.99	4235165.01	1.78E-03	1.59E-03	3.03E-04	2.55E-04	1.44E-03	1.17E-03	2.36E-04	2.26E-04	1.76E-04	1.16E-04
4573	563012.44	4235169.56	1.86E-03	1.66E-03	3.15E-04	2.65E-04	1.50E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
4574	563020.9	4235174.11	1.93E-03	1.72E-03	3.27E-04	2.76E-04	1.56E-03	1.26E-03	2.55E-04	2.44E-04	1.90E-04	1.25E-04
4575	563029.35	4235178.66	2.00E-03	1.78E-03	3.39E-04	2.86E-04	1.61E-03	1.31E-03	2.64E-04	2.53E-04	1.97E-04	1.29E-04
4576	563037.8	4235183.21	2.06E-03	1.84E-03	3.50E-04	2.95E-04	1.67E-03	1.35E-03	2.73E-04	2.62E-04	2.04E-04	1.34E-04
4577	563046.25	4235187.76	2.13E-03	1.90E-03	3.61E-04	3.04E-04	1.72E-03	1.39E-03	2.81E-04	2.70E-04	2.10E-04	1.38E-04
4578	563054.7	4235192.31	2.19E-03	1.95E-03	3.71E-04	3.13E-04	1.77E-03	1.43E-03	2.89E-04	2.77E-04	2.16E-04	1.42E-04
4579	563063.15	4235196.86	2.24E-03	2.00E-03	3.80E-04	3.20E-04	1.81E-03	1.47E-03	2.96E-04	2.84E-04	2.21E-04	1.45E-04
4580	563071.6	4235201.41	2.29E-03	2.04E-03	3.88E-04	3.27E-04	1.85E-03	1.50E-03	3.02E-04	2.90E-04	2.26E-04	1.48E-04
4581	563080.06	4235205.96	2.33E-03	2.08E-03	3.95E-04	3.33E-04	1.88E-03	1.52E-03	3.08E-04	2.95E-04	2.30E-04	1.51E-04
4582	563088.51	4235210.51	2.36E-03	2.10E-03	4.00E-04	3.37E-04	1.90E-03	1.54E-03	3.12E-04	2.99E-04	2.33E-04	1.53E-04
4583	563096.96	4235215.06	2.38E-03	2.13E-03	4.05E-04	3.41E-04	1.92E-03	1.56E-03	3.15E-04	3.03E-04	2.35E-04	1.55E-04
4584	563105.41	4235219.61	2.40E-03	2.14E-03	4.08E-04	3.44E-04	1.94E-03	1.57E-03	3.18E-04	3.05E-04	2.37E-04	1.56E-04
4585	562902.4	4235152.73	1.01E-03	9.04E-04	1.72E-04	1.45E-04	8.18E-04	6.63E-04	1.34E-04	1.29E-04	1.00E-04	6.57E-05
4586	562895.83	4235146.17	9.83E-04	8.77E-04	1.67E-04	1.41E-04	7.94E-04	6.43E-04	1.30E-04	1.25E-04	9.71E-05	6.37E-05
4587	562889.26	4235139.61	9.53E-04	8.50E-04	1.62E-04	1.36E-04	7.70E-04	6.24E-04	1.26E-04	1.21E-04	9.41E-05	6.18E-05
4588	562882.69	4235133.05	9.24E-04	8.25E-04	1.57E-04	1.32E-04	7.46E-04	6.05E-04	1.22E-04	1.17E-04	9.13E-05	5.99E-05
4589	562876.12	4235126.49	8.96E-04	8.00E-04	1.52E-04	1.28E-04	7.24E-04	5.87E-04	1.19E-04	1.14E-04	8.85E-05	5.81E-05
4590	562869.55	4235119.93	8.69E-04	7.75E-04	1.47E-04	1.24E-04	7.02E-04	5.69E-04	1.15E-04	1.10E-04	8.58E-05	5.63E-05
4591	562862.98	4235113.37	8.43E-04	7.52E-04	1.43E-04	1.21E-04	6.81E-04	5.52E-04	1.12E-04	1.07E-04	8.33E-05	5.47E-05
4592	562856.41	4235106.81	8.19E-04	7.30E-04	1.39E-04	1.17E-04	6.61E-04	5.36E-04	1.08E-04	1.04E-04	8.08E-05	5.31E-05
4593	562849.84	4235100.25	7.95E-04	7.09E-04	1.35E-04	1.14E-04	6.42E-04	5.20E-04	1.05E-04	1.01E-04	7.85E-05	5.15E-05
4594	562843.27	4235093.69	7.73E-04	6.89E-04	1.31E-04	1.11E-04	6.24E-04	5.06E-04	1.02E-04	9.81E-05	7.63E-05	5.01E-05
4595	562836.7	4235087.13	7.52E-04	6.71E-04	1.28E-04	1.08E-04	6.07E-04	4.92E-04	9.94E-05	9.54E-05	7.42E-05	4.87E-05
4596	562830.13	4235080.57	7.32E-04	6.53E-04	1.24E-04	1.05E-04	5.91E-04	4.79E-04	9.68E-05	9.29E-05	7.23E-05	4.74E-05
4597	562823.56	4235074.01	7.14E-04	6.37E-04	1.21E-04	1.02E-04	5.76E-04	4.67E-04	9.44E-05	9.06E-05	7.05E-05	4.63E-05
4598	562816.99	4235067.45	6.97E-04	6.21E-04	1.18E-04	9.96E-05	5.62E-04	4.56E-04	9.21E-05	8.84E-05	6.88E-05	4.51E-05
4599	562810.42	4235060.89	6.81E-04	6.07E-04	1.15E-04	9.73E-05	5.50E-04	4.45E-04	9.00E-05	8.64E-05	6.72E-05	4.41E-05
4600	562803.85	4235054.33	6.66E-04	5.94E-04	1.13E-04	9.52E-05	5.38E-04	4.36E-04	8.81E-05	8.45E-05	6.58E-05	4.32E-05
4601	562797.28	4235047.77	6.52E-04	5.82E-04	1.11E-04	9.33E-05	5.27E-04	4.27E-04	8.63E-05	8.28E-05	6.44E-05	4.23E-05
4602	562790.71	4235041.21	6.38E-04	5.69E-04	1.08E-04	9.13E-05	5.15E-04	4.18E-04	8.44E-05	8.10E-05	6.30E-05	4.14E-05
4603	562784.14	4235034.65	6.24E-04	5.56E-04	1.06E-04	8.92E-05	5.03E-04	4.08E-04	8.25E-05	7.91E-05	6.16E-05	4.04E-05
4604	562777.57	4235028.09	6.10E-04	5.44E-04	1.04E-04	8.73E-05	4.93E-04	3.99E-04	8.07E-05	7.74E-05	6.03E-05	3.95E-05
4605	562769.12	4235012.44	6.03E-04	5.38E-04	1.02E-04	8.62E-05	4.87E-04	3.94E-04	7.97E-05	7.65E-05	5.95E-05	3.91E-05
4606	562767.23	4235003.35	6.08E-04	5.43E-04	1.03E-04	8.70E-05	4.91E-04	3.98E-04	8.05E-05	7.72E-05	6.01E-05	3.94E-05
4607	562765.34	4234994.26	6.16E-04	5.49E-04	1.05E-04	8.81E-05	4.97E-04	4.03E-04	8.15E-05	7.82E-05	6.08E-05	3.99E-05
4608	562763.46	4234985.17	6.26E-04	5.58E-04	1.06E-04	8.95E-05	5.05E-04	4.09E-04	8.27E-05	7.94E-05	6.18E-05	4.06E-05
4609	562761.57	4234976.08	6.39E-04	5.70E-04	1.08E-04	9.13E-05	5.16E-04	4.18E-04	8.44E-05	8.10E-05	6.31E-05	4.14E-05
4610	562759.69	4234966.99	6.54E-04	5.83E-04	1.11E-04	9.35E-05	5.28E-04	4.28E-04	8.65E-05	8.30E-05	6.46E-05	4.24E-05
4611	562757.8	4234957.9	6.72E-04	6.00E-04	1.14E-04	9.62E-05	5.43E-04	4.40E-04	8.89E-05	8.53E-05	6.64E-05	4.36E-05
4612	562755.91	4234948.81	6.94E-04	6.19E-04	1.18E-04	9.92E-05	5.60E-04	4.54E-04	9.17E-05	8.80E-05	6.85E-05	4.50E-05
4613	562754.03	4234939.72	7.19E-04	6.41E-04	1.22E-04	1.03E-04	5.80E-04	4.70E-04	9.50E-05	9.12E-05	7.10E-05	4.66E-05
4614	562752.14	4234930.63	7.47E-04	6.66E-04	1.27E-04	1.07E-04	6.03E-04	4.89E-04	9.88E-05	9.48E-05	7.38E-05	4.84E-05
4615	562750.25	4234921.54	7.80E-04	6.95E-04	1.32E-04	1.11E-04	6.29E-04	5.10E-04	1.03E-04	9.89E-05	7.70E-05	5.05E-05
4616	562748.37	4234912.45	8.16E-04	7.28E-04	1.39E-04	1.17E-04	6.59E-04	5.34E-04	1.08E-04	1.04E-04	8.06E-05	5.29E-05
4617	562746.48	4234903.36	8.58E-04	7.65E-04	1.46E-04	1.23E-04	6.93E-04	5.61E-04	1.13E-04	1.09E-04	8.47E-05	5.56E-05
4618	562744.6	4234894.27	9.04E-04	8.06E-04	1.53E-04	1.29E-04	7.30E-04	5.92E-04	1.20E-04	1.15E-04	8.93E-05	5.86E-05
4619	562742.71	4234885.18	9.55E-04	8.52E-04	1.62E-04	1.37E-04	7.71E-04	6.25E-04	1.26E-04	1.21E-04	9.44E-05	6.19E-05

4620	562740.82	4234876.09	1.01E-03	9.03E-04	1.72E-04	1.45E-04	8.17E-04	6.62E-04	1.34E-04	1.28E-04	1.00E-04	6.56E-05
4621	562738.94	4234867	1.07E-03	9.58E-04	1.82E-04	1.54E-04	8.68E-04	7.03E-04	1.42E-04	1.36E-04	1.06E-04	6.96E-05
4622	562737.05	4234857.91	1.14E-03	1.02E-03	1.94E-04	1.63E-04	9.22E-04	7.47E-04	1.51E-04	1.45E-04	1.13E-04	7.40E-05
4623	562735.16	4234848.82	1.21E-03	1.08E-03	2.06E-04	1.74E-04	9.80E-04	7.94E-04	1.61E-04	1.54E-04	1.20E-04	7.87E-05
4624	562733.28	4234839.73	1.29E-03	1.15E-03	2.19E-04	1.85E-04	1.04E-03	8.45E-04	1.71E-04	1.64E-04	1.27E-04	8.37E-05
4625	562908.97	4235159.29	1.04E-03	9.31E-04	1.77E-04	1.49E-04	8.43E-04	6.83E-04	1.38E-04	1.32E-04	1.03E-04	6.76E-05
4626	562917.42	4235163.84	1.09E-03	9.70E-04	1.85E-04	1.56E-04	8.78E-04	7.12E-04	1.44E-04	1.38E-04	1.07E-04	7.05E-05
4627	562925.87	4235168.39	1.13E-03	1.01E-03	1.92E-04	1.62E-04	9.15E-04	7.42E-04	1.50E-04	1.44E-04	1.12E-04	7.34E-05
4628	562934.32	4235172.94	1.18E-03	1.05E-03	2.00E-04	1.69E-04	9.53E-04	7.72E-04	1.56E-04	1.50E-04	1.17E-04	7.65E-05
4629	562942.78	4235177.49	1.23E-03	1.10E-03	2.08E-04	1.76E-04	9.92E-04	8.04E-04	1.62E-04	1.56E-04	1.21E-04	7.96E-05
4630	562951.23	4235182.04	1.28E-03	1.14E-03	2.17E-04	1.83E-04	1.03E-03	8.37E-04	1.69E-04	1.62E-04	1.26E-04	8.29E-05
4631	562959.68	4235186.59	1.33E-03	1.19E-03	2.26E-04	1.90E-04	1.07E-03	8.70E-04	1.76E-04	1.69E-04	1.31E-04	8.62E-05
4632	562968.13	4235191.14	1.38E-03	1.23E-03	2.35E-04	1.98E-04	1.12E-03	9.04E-04	1.83E-04	1.75E-04	1.37E-04	8.96E-05
4633	562976.58	4235195.68	1.44E-03	1.28E-03	2.44E-04	2.05E-04	1.16E-03	9.39E-04	1.90E-04	1.82E-04	1.42E-04	9.30E-05
4634	562985.03	4235200.23	1.49E-03	1.33E-03	2.53E-04	2.13E-04	1.20E-03	9.75E-04	1.97E-04	1.89E-04	1.47E-04	9.66E-05
4635	562993.48	4235204.78	1.54E-03	1.38E-03	2.62E-04	2.21E-04	1.25E-03	1.01E-03	2.04E-04	1.96E-04	1.53E-04	1.00E-04
4636	563001.94	4235209.33	1.60E-03	1.43E-03	2.71E-04	2.29E-04	1.29E-03	1.05E-03	2.12E-04	2.03E-04	1.58E-04	1.04E-04
4637	563010.39	4235213.88	1.65E-03	1.48E-03	2.81E-04	2.37E-04	1.34E-03	1.08E-03	2.19E-04	2.10E-04	1.63E-04	1.07E-04
4638	563018.84	4235218.43	1.71E-03	1.52E-03	2.90E-04	2.44E-04	1.38E-03	1.12E-03	2.26E-04	2.17E-04	1.69E-04	1.11E-04
4639	563027.29	4235222.98	1.76E-03	1.57E-03	2.99E-04	2.52E-04	1.42E-03	1.15E-03	2.33E-04	2.23E-04	1.74E-04	1.14E-04
4640	563035.74	4235227.53	1.81E-03	1.61E-03	3.07E-04	2.59E-04	1.46E-03	1.18E-03	2.39E-04	2.29E-04	1.79E-04	1.17E-04
4641	563044.19	4235232.08	1.85E-03	1.65E-03	3.15E-04	2.65E-04	1.50E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
4642	563052.64	4235236.63	1.90E-03	1.69E-03	3.22E-04	2.71E-04	1.53E-03	1.24E-03	2.51E-04	2.41E-04	1.87E-04	1.23E-04
4643	563061.1	4235241.18	1.93E-03	1.73E-03	3.28E-04	2.77E-04	1.56E-03	1.27E-03	2.56E-04	2.45E-04	1.91E-04	1.25E-04
4644	563069.55	4235245.73	1.97E-03	1.75E-03	3.34E-04	2.81E-04	1.59E-03	1.29E-03	2.60E-04	2.49E-04	1.94E-04	1.27E-04
4645	563078	4235250.28	1.99E-03	1.78E-03	3.38E-04	2.85E-04	1.61E-03	1.30E-03	2.63E-04	2.53E-04	1.97E-04	1.29E-04
4646	563086.45	4235254.83	2.01E-03	1.80E-03	3.41E-04	2.88E-04	1.62E-03	1.32E-03	2.66E-04	2.55E-04	1.99E-04	1.30E-04
4647	562883.31	4235187.82	8.93E-04	7.97E-04	1.52E-04	1.28E-04	7.21E-04	5.85E-04	1.18E-04	1.13E-04	8.82E-05	5.79E-05
4648	562876.6	4235181.12	8.68E-04	7.75E-04	1.47E-04	1.24E-04	7.01E-04	5.68E-04	1.15E-04	1.10E-04	8.58E-05	5.63E-05
4649	562869.9	4235174.43	8.44E-04	7.53E-04	1.43E-04	1.21E-04	6.81E-04	5.52E-04	1.12E-04	1.07E-04	8.33E-05	5.47E-05
4650	562863.19	4235167.73	8.19E-04	7.31E-04	1.39E-04	1.17E-04	6.61E-04	5.36E-04	1.08E-04	1.04E-04	8.09E-05	5.31E-05
4651	562856.49	4235161.04	7.95E-04	7.10E-04	1.35E-04	1.14E-04	6.42E-04	5.21E-04	1.05E-04	1.01E-04	7.86E-05	5.16E-05
4652	562849.78	4235154.35	7.72E-04	6.89E-04	1.31E-04	1.10E-04	6.24E-04	5.05E-04	1.02E-04	9.80E-05	7.63E-05	5.01E-05
4653	562843.08	4235147.65	7.50E-04	6.69E-04	1.27E-04	1.07E-04	6.06E-04	4.91E-04	9.92E-05	9.52E-05	7.41E-05	4.86E-05
4654	562836.38	4235140.96	7.29E-04	6.50E-04	1.24E-04	1.04E-04	5.89E-04	4.77E-04	9.64E-05	9.25E-05	7.20E-05	4.72E-05
4655	562829.67	4235134.26	7.09E-04	6.32E-04	1.20E-04	1.01E-04	5.72E-04	4.64E-04	9.37E-05	8.99E-05	7.00E-05	4.59E-05
4656	562822.97	4235127.57	6.89E-04	6.15E-04	1.17E-04	9.86E-05	5.57E-04	4.51E-04	9.11E-05	8.75E-05	6.81E-05	4.47E-05
4657	562816.26	4235120.88	6.70E-04	5.98E-04	1.14E-04	9.59E-05	5.41E-04	4.39E-04	8.87E-05	8.51E-05	6.62E-05	4.35E-05
4658	562809.56	4235114.18	6.54E-04	5.83E-04	1.11E-04	9.35E-05	5.28E-04	4.28E-04	8.65E-05	8.30E-05	6.46E-05	4.24E-05
4659	562802.85	4235107.49	6.38E-04	5.69E-04	1.08E-04	9.12E-05	5.15E-04	4.17E-04	8.44E-05	8.09E-05	6.30E-05	4.13E-05
4660	562796.15	4235100.79	6.23E-04	5.55E-04	1.06E-04	8.91E-05	5.03E-04	4.07E-04	8.23E-05	7.90E-05	6.15E-05	4.04E-05
4661	562789.45	4235094.1	6.06E-04	5.41E-04	1.03E-04	8.67E-05	4.90E-04	3.97E-04	8.02E-05	7.69E-05	5.99E-05	3.93E-05
4662	562782.74	4235087.41	5.90E-04	5.26E-04	1.00E-04	8.43E-05	4.76E-04	3.86E-04	7.80E-05	7.48E-05	5.82E-05	3.82E-05
4663	562776.04	4235080.71	5.74E-04	5.12E-04	9.74E-05	8.21E-05	4.64E-04	3.76E-04	7.59E-05	7.28E-05	5.67E-05	3.72E-05
4664	562769.33	4235074.02	5.60E-04	4.99E-04	9.49E-05	8.00E-05	4.52E-04	3.66E-04	7.40E-05	7.10E-05	5.53E-05	3.63E-05
4665	562762.63	4235067.33	5.47E-04	4.88E-04	9.27E-05	7.82E-05	4.41E-04	3.58E-04	7.23E-05	6.93E-05	5.40E-05	3.54E-05
4666	562755.92	4235060.63	5.37E-04	4.79E-04	9.11E-05	7.68E-05	4.34E-04	3.51E-04	7.10E-05	6.81E-05	5.30E-05	3.48E-05
4667	562749.22	4235053.94	5.28E-04	4.71E-04	8.96E-05	7.56E-05	4.27E-04	3.46E-04	6.99E-05	6.70E-05	5.22E-05	3.42E-05
4668	562742.52	4235047.24	5.20E-04	4.64E-04	8.83E-05	7.44E-05	4.20E-04	3.41E-04	6.88E-05	6.60E-05	5.14E-05	3.37E-05
4669	562733.89	4235031.27	5.17E-04	4.61E-04	8.77E-05	7.39E-05	4.17E-04	3.38E-04	6.84E-05	6.56E-05	5.11E-05	3.35E-05
4670	562731.96	4235022	5.22E-04	4.65E-04	8.85E-05	7.46E-05	4.21E-04	3.41E-04	6.90E-05	6.62E-05	5.15E-05	3.38E-05
4671	562730.04	4235012.72	5.28E-04	4.71E-04	8.95E-05	7.55E-05	4.26E-04	3.45E-04	6.98E-05	6.70E-05	5.21E-05	3.42E-05
4672	562728.11	4235003.44	5.35E-04	4.77E-04	9.08E-05	7.65E-05	4.32E-04	3.50E-04	7.08E-05	6.79E-05	5.29E-05	3.47E-05
4673	562726.19	4234994.17	5.44E-04	4.86E-04	9.24E-05	7.78E-05	4.39E-04	3.56E-04	7.20E-05	6.91E-05	5.38E-05	3.53E-05
4674	562724.26	4234984.89	5.55E-04	4.95E-04	9.42E-05	7.94E-05	4.48E-04	3.63E-04	7.34E-05	7.05E-05	5.48E-05	3.60E-05
4675	562722.34	4234975.61	5.69E-04	5.07E-04	9.65E-05	8.13E-05	4.59E-04	3.72E-04	7.52E-05	7.22E-05	5.62E-05	3.69E-05
4676	562720.41	4234966.34	5.84E-04	5.21E-04	9.91E-05	8.35E-05	4.72E-04	3.82E-04	7.73E-05	7.41E-05	5.77E-05	3.79E-05
4677	562718.49	4234957.06	6.02E-04	5.37E-04	1.02E-04	8.61E-05	4.86E-04	3.94E-04	7.97E-05	7.64E-05	5.95E-05	3.90E-05
4678	562716.56	4234947.79	6.23E-04	5.56E-04	1.06E-04	8.91E-05	5.03E-04	4.08E-04	8.24E-05	7.91E-05	6.16E-05	4.04E-05
4679	562714.64	4234938.51	6.47E-04	5.77E-04	1.10E-04	9.26E-05	5.23E-04	4.24E-04	8.56E-05	8.21E-05	6.39E-05	4.19E-05
4680	562712.71	4234929.23	6.74E-04	6.02E-04	1.14E-04	9.64E-05	5.45E-04	4.41E-04	8.92E-05	8.56E-05	6.66E-05	4.37E-05
4681	562710.79	4234919.96	7.05E-04	6.29E-04	1.20E-04	1.01E-04	5.69E-04	4.61E-04	9.32E-05	8.95E-05	6.96E-05	4.57E-05
4682	562708.86	4234910.68	7.40E-04	6.60E-04	1.25E-04	1.06E-04	5.97E-04	4.84E-04	9.78E-05	9.38E-05	7.30E-05	4.79E-05
4683	562706.94	4234901.4	7.78E-04	6.94E-04	1.32E-04	1.11E-04	6.28E-04	5.09E-04	1.03E-04	9.87E-05	7.68E-05	5.04E-05
4684	562705.01	4234892.13	8.21E-04	7.32E-04	1.39E-04	1.17E-04	6.63E-04	5.37E-04	1.09E-04	1.04E-04	8.10E-05	5.32E-05
4685	562703.09	4234882.85	8.68E-04	7.74E-04	1.47E-04	1.24E-04	7.01E-04	5.68E-04	1.15E-04	1.10E-04	8.57E-05	5.62E-05
4686	562701.16	4234873.57	9.19E-04	8.20E-04	1.56E-04	1.31E-04	7.42E-04	6.02E-04	1.22E-04	1.17E-04	9.08E-05	5.96E-05
4687	562699.24	4234864.3	9.75E-04	8.70E-04	1.65E-04	1.39E-04	7.87E-04	6.38E-04	1.29E-04	1.24E-04	9.63E-05	6.32E-05
4688	562697.32	4234855.02	1.04E-03	9.24E-04	1.76E-04	1.48E-04	8.36E-04	6.78E-04	1.37E-04	1.31E-04	1.02E-04	6.71E-05

4689	562695.39	4234845.74	1.10E-03	9.82E-04	1.87E-04	1.57E-04	8.89E-04	7.20E-04	1.46E-04	1.40E-04	1.09E-04	7.13E-05
4690	562693.47	4234836.47	1.17E-03	1.04E-03	1.98E-04	1.67E-04	9.43E-04	7.65E-04	1.55E-04	1.48E-04	1.15E-04	7.57E-05
4691	562890.01	4235194.51	9.19E-04	8.20E-04	1.56E-04	1.31E-04	7.42E-04	6.01E-04	1.21E-04	1.17E-04	9.07E-05	5.95E-05
4692	562898.46	4235199.06	9.54E-04	8.51E-04	1.62E-04	1.36E-04	7.70E-04	6.24E-04	1.26E-04	1.21E-04	9.42E-05	6.18E-05
4693	562906.91	4235203.61	9.90E-04	8.83E-04	1.68E-04	1.42E-04	8.00E-04	6.48E-04	1.31E-04	1.26E-04	9.78E-05	6.42E-05
4694	562915.36	4235208.16	1.03E-03	9.16E-04	1.74E-04	1.47E-04	8.29E-04	6.72E-04	1.36E-04	1.30E-04	1.01E-04	6.66E-05
4695	562923.82	4235212.71	1.07E-03	9.50E-04	1.81E-04	1.52E-04	8.60E-04	6.97E-04	1.41E-04	1.35E-04	1.05E-04	6.90E-05
4696	562932.27	4235217.26	1.10E-03	9.85E-04	1.87E-04	1.58E-04	8.92E-04	7.23E-04	1.46E-04	1.40E-04	1.09E-04	7.16E-05
4697	562940.72	4235221.81	1.14E-03	1.02E-03	1.94E-04	1.64E-04	9.24E-04	7.49E-04	1.51E-04	1.45E-04	1.13E-04	7.41E-05
4698	562949.17	4235226.36	1.18E-03	1.06E-03	2.01E-04	1.69E-04	9.56E-04	7.75E-04	1.57E-04	1.50E-04	1.17E-04	7.68E-05
4699	562957.62	4235230.91	1.23E-03	1.09E-03	2.08E-04	1.75E-04	9.90E-04	8.02E-04	1.62E-04	1.56E-04	1.21E-04	7.94E-05
4700	562966.07	4235235.46	1.27E-03	1.13E-03	2.15E-04	1.81E-04	1.02E-03	8.30E-04	1.68E-04	1.61E-04	1.25E-04	8.22E-05
4701	562974.52	4235240	1.31E-03	1.17E-03	2.22E-04	1.87E-04	1.06E-03	8.57E-04	1.73E-04	1.66E-04	1.29E-04	8.49E-05
4702	562982.98	4235244.55	1.35E-03	1.21E-03	2.30E-04	1.94E-04	1.09E-03	8.85E-04	1.79E-04	1.72E-04	1.34E-04	8.77E-05
4703	562991.43	4235249.1	1.40E-03	1.25E-03	2.37E-04	2.00E-04	1.13E-03	9.14E-04	1.85E-04	1.77E-04	1.38E-04	9.05E-05
4704	562999.88	4235253.65	1.44E-03	1.28E-03	2.44E-04	2.06E-04	1.16E-03	9.41E-04	1.90E-04	1.83E-04	1.42E-04	9.32E-05
4705	563008.33	4235258.2	1.48E-03	1.32E-03	2.51E-04	2.12E-04	1.20E-03	9.69E-04	1.96E-04	1.88E-04	1.46E-04	9.60E-05
4706	563016.78	4235262.75	1.52E-03	1.36E-03	2.58E-04	2.18E-04	1.23E-03	9.95E-04	2.01E-04	1.93E-04	1.50E-04	9.86E-05
4707	563025.23	4235267.3	1.56E-03	1.39E-03	2.65E-04	2.23E-04	1.26E-03	1.02E-03	2.06E-04	1.98E-04	1.54E-04	1.01E-04
4708	563033.68	4235271.85	1.60E-03	1.42E-03	2.71E-04	2.28E-04	1.29E-03	1.04E-03	2.11E-04	2.03E-04	1.58E-04	1.03E-04
4709	563042.14	4235276.4	1.63E-03	1.45E-03	2.77E-04	2.33E-04	1.32E-03	1.07E-03	2.16E-04	2.07E-04	1.61E-04	1.06E-04
4710	563050.59	4235280.95	1.66E-03	1.48E-03	2.82E-04	2.38E-04	1.34E-03	1.09E-03	2.20E-04	2.11E-04	1.64E-04	1.08E-04
4711	563059.04	4235285.5	1.69E-03	1.51E-03	2.86E-04	2.41E-04	1.36E-03	1.10E-03	2.23E-04	2.14E-04	1.67E-04	1.09E-04
4712	563067.49	4235290.05	1.71E-03	1.53E-03	2.90E-04	2.44E-04	1.38E-03	1.12E-03	2.26E-04	2.17E-04	1.69E-04	1.11E-04
4713	562864.5	4235223.19	7.97E-04	7.11E-04	1.35E-04	1.14E-04	6.43E-04	5.21E-04	1.05E-04	1.01E-04	7.87E-05	5.16E-05
4714	562857.94	4235216.64	7.76E-04	6.92E-04	1.32E-04	1.11E-04	6.27E-04	5.08E-04	1.03E-04	9.85E-05	7.67E-05	5.03E-05
4715	562851.39	4235210.1	7.55E-04	6.73E-04	1.28E-04	1.08E-04	6.09E-04	4.94E-04	9.98E-05	9.57E-05	7.45E-05	4.89E-05
4716	562844.83	4235203.55	7.31E-04	6.52E-04	1.24E-04	1.05E-04	5.90E-04	4.78E-04	9.67E-05	9.27E-05	7.22E-05	4.74E-05
4717	562838.28	4235197.01	7.10E-04	6.33E-04	1.20E-04	1.02E-04	5.73E-04	4.64E-04	9.39E-05	9.01E-05	7.01E-05	4.60E-05
4718	562831.72	4235190.46	6.91E-04	6.16E-04	1.17E-04	9.88E-05	5.58E-04	4.52E-04	9.14E-05	8.77E-05	6.82E-05	4.48E-05
4719	562825.17	4235183.92	6.74E-04	6.02E-04	1.14E-04	9.65E-05	5.45E-04	4.41E-04	8.92E-05	8.56E-05	6.66E-05	4.37E-05
4720	562818.61	4235177.37	6.57E-04	5.86E-04	1.12E-04	9.40E-05	5.31E-04	4.30E-04	8.69E-05	8.34E-05	6.49E-05	4.26E-05
4721	562812.05	4235170.83	6.37E-04	5.68E-04	1.08E-04	9.11E-05	5.14E-04	4.17E-04	8.42E-05	8.08E-05	6.29E-05	4.13E-05
4722	562805.5	4235164.28	6.17E-04	5.51E-04	1.05E-04	8.83E-05	4.98E-04	4.04E-04	8.16E-05	7.83E-05	6.09E-05	4.00E-05
4723	562798.94	4235157.74	5.98E-04	5.34E-04	1.02E-04	8.56E-05	4.83E-04	3.92E-04	7.91E-05	7.59E-05	5.91E-05	3.88E-05
4724	562792.39	4235151.19	5.81E-04	5.19E-04	9.86E-05	8.31E-05	4.69E-04	3.80E-04	7.69E-05	7.38E-05	5.74E-05	3.77E-05
4725	562785.83	4235144.65	5.68E-04	5.07E-04	9.64E-05	8.13E-05	4.59E-04	3.72E-04	7.51E-05	7.21E-05	5.61E-05	3.68E-05
4726	562779.28	4235138.1	5.57E-04	4.97E-04	9.45E-05	7.96E-05	4.50E-04	3.64E-04	7.36E-05	7.07E-05	5.50E-05	3.61E-05
4727	562772.72	4235131.56	5.45E-04	4.86E-04	9.24E-05	7.79E-05	4.40E-04	3.57E-04	7.20E-05	6.91E-05	5.38E-05	3.53E-05
4728	562766.17	4235125.01	5.32E-04	4.75E-04	9.03E-05	7.61E-05	4.30E-04	3.48E-04	7.04E-05	6.75E-05	5.26E-05	3.45E-05
4729	562759.61	4235118.47	5.21E-04	4.64E-04	8.83E-05	7.45E-05	4.20E-04	3.41E-04	6.88E-05	6.61E-05	5.14E-05	3.37E-05
4730	562753.06	4235111.92	5.11E-04	4.55E-04	8.66E-05	7.30E-05	4.12E-04	3.34E-04	6.75E-05	6.48E-05	5.04E-05	3.31E-05
4731	562746.5	4235105.38	5.01E-04	4.47E-04	8.50E-05	7.16E-05	4.05E-04	3.28E-04	6.63E-05	6.36E-05	4.95E-05	3.25E-05
4732	562739.95	4235098.83	4.92E-04	4.39E-04	8.35E-05	7.04E-05	3.97E-04	3.22E-04	6.51E-05	6.24E-05	4.86E-05	3.19E-05
4733	562733.39	4235092.29	4.84E-04	4.31E-04	8.21E-05	6.92E-05	3.90E-04	3.16E-04	6.39E-05	6.14E-05	4.78E-05	3.13E-05
4734	562726.84	4235085.74	4.76E-04	4.24E-04	8.07E-05	6.80E-05	3.84E-04	3.11E-04	6.29E-05	6.04E-05	4.70E-05	3.08E-05
4735	562720.28	4235079.2	4.68E-04	4.18E-04	7.95E-05	6.70E-05	3.78E-04	3.06E-04	6.19E-05	5.94E-05	4.62E-05	3.03E-05
4736	562713.73	4235072.65	4.61E-04	4.12E-04	7.83E-05	6.60E-05	3.73E-04	3.02E-04	6.10E-05	5.85E-05	4.56E-05	2.99E-05
4737	562707.17	4235066.11	4.55E-04	4.06E-04	7.72E-05	6.51E-05	3.67E-04	2.98E-04	6.02E-05	5.77E-05	4.49E-05	2.95E-05
4738	562698.74	4235050.49	4.52E-04	4.03E-04	7.66E-05	6.46E-05	3.65E-04	2.95E-04	5.97E-05	5.73E-05	4.46E-05	2.93E-05
4739	562696.86	4235041.42	4.55E-04	4.06E-04	7.71E-05	6.50E-05	3.67E-04	2.98E-04	6.01E-05	5.77E-05	4.49E-05	2.95E-05
4740	562694.97	4235032.35	4.59E-04	4.09E-04	7.78E-05	6.56E-05	3.70E-04	3.00E-04	6.06E-05	5.82E-05	4.53E-05	2.97E-05
4741	562693.09	4235023.28	4.64E-04	4.14E-04	7.87E-05	6.63E-05	3.74E-04	3.03E-04	6.13E-05	5.88E-05	4.58E-05	3.00E-05
4742	562691.21	4235014.21	4.70E-04	4.19E-04	7.97E-05	6.72E-05	3.79E-04	3.07E-04	6.21E-05	5.96E-05	4.64E-05	3.04E-05
4743	562689.33	4235005.15	4.77E-04	4.26E-04	8.09E-05	6.82E-05	3.85E-04	3.12E-04	6.31E-05	6.05E-05	4.71E-05	3.09E-05
4744	562687.45	4234996.08	4.86E-04	4.33E-04	8.24E-05	6.95E-05	3.92E-04	3.18E-04	6.43E-05	6.17E-05	4.80E-05	3.15E-05
4745	562685.56	4234987.01	4.96E-04	4.43E-04	8.42E-05	7.10E-05	4.01E-04	3.25E-04	6.56E-05	6.30E-05	4.90E-05	3.22E-05
4746	562683.68	4234977.94	5.09E-04	4.54E-04	8.63E-05	7.27E-05	4.11E-04	3.33E-04	6.73E-05	6.45E-05	5.02E-05	3.30E-05
4747	562681.8	4234968.87	5.23E-04	4.66E-04	8.87E-05	7.48E-05	4.22E-04	3.42E-04	6.91E-05	6.63E-05	5.16E-05	3.39E-05
4748	562679.92	4234959.8	5.39E-04	4.81E-04	9.15E-05	7.71E-05	4.35E-04	3.53E-04	7.13E-05	6.84E-05	5.32E-05	3.49E-05
4749	562678.04	4234950.73	5.58E-04	4.97E-04	9.46E-05	7.98E-05	4.50E-04	3.65E-04	7.38E-05	7.08E-05	5.51E-05	3.61E-05
4750	562676.15	4234941.66	5.79E-04	5.16E-04	9.82E-05	8.27E-05	4.67E-04	3.79E-04	7.65E-05	7.34E-05	5.71E-05	3.75E-05
4751	562674.27	4234932.59	6.02E-04	5.37E-04	1.02E-04	8.61E-05	4.86E-04	3.94E-04	7.96E-05	7.64E-05	5.95E-05	3.90E-05
4752	562672.39	4234923.52	6.28E-04	5.61E-04	1.07E-04	8.99E-05	5.07E-04	4.11E-04	8.31E-05	7.97E-05	6.21E-05	4.07E-05
4753	562670.51	4234914.45	6.58E-04	5.87E-04	1.12E-04	9.40E-05	5.31E-04	4.30E-04	8.70E-05	8.34E-05	6.49E-05	4.26E-05
4754	562668.63	4234905.38	6.90E-04	6.15E-04	1.17E-04	9.86E-05	5.57E-04	4.51E-04	9.12E-05	8.75E-05	6.81E-05	4.47E-05
4755	562666.74	4234896.31	7.25E-04	6.47E-04	1.23E-04	1.04E-04	5.86E-04	4.75E-04	9.59E-05	9.20E-05	7.16E-05	4.70E-05
4756	562664.86	4234887.24	7.64E-04	6.82E-04	1.30E-04	1.09E-04	6.17E-04	5.00E-04	1.01E-04	9.70E-05	7.55E-05	4.95E-05
4757	562662.98	4234878.17	8.07E-04	7.20E-04	1.37E-04	1.15E-04	6.51E-04	5.28E-04	1.07E-04	1.02E-04	7.97E-05	5.23E-05

4758	562661.1	4234869.1	8.53E-04	7.61E-04	1.45E-04	1.22E-04	6.88E-04	5.58E-04	1.13E-04	1.08E-04	8.42E-05	5.53E-05
4759	562659.22	4234860.03	9.02E-04	8.05E-04	1.53E-04	1.29E-04	7.28E-04	5.90E-04	1.19E-04	1.14E-04	8.91E-05	5.85E-05
4760	562657.34	4234850.96	9.55E-04	8.52E-04	1.62E-04	1.37E-04	7.71E-04	6.25E-04	1.26E-04	1.21E-04	9.43E-05	6.19E-05
4761	562655.45	4234841.89	1.01E-03	9.02E-04	1.72E-04	1.45E-04	8.16E-04	6.62E-04	1.34E-04	1.28E-04	9.98E-05	6.55E-05
4762	562653.57	4234832.82	1.07E-03	9.54E-04	1.81E-04	1.53E-04	8.64E-04	7.00E-04	1.41E-04	1.36E-04	1.06E-04	6.93E-05
4763	562871.05	4235229.73	8.17E-04	7.29E-04	1.39E-04	1.17E-04	6.60E-04	5.35E-04	1.08E-04	1.04E-04	8.07E-05	5.29E-05
4764	562879.5	4235234.28	8.46E-04	7.54E-04	1.43E-04	1.21E-04	6.83E-04	5.53E-04	1.12E-04	1.07E-04	8.35E-05	5.48E-05
4765	562887.95	4235238.83	8.75E-04	7.81E-04	1.48E-04	1.25E-04	7.07E-04	5.73E-04	1.16E-04	1.11E-04	8.64E-05	5.67E-05
4766	562896.4	4235243.38	9.05E-04	8.07E-04	1.54E-04	1.29E-04	7.31E-04	5.92E-04	1.20E-04	1.15E-04	8.94E-05	5.86E-05
4767	562904.86	4235247.93	9.35E-04	8.34E-04	1.59E-04	1.34E-04	7.55E-04	6.12E-04	1.24E-04	1.19E-04	9.24E-05	6.06E-05
4768	562913.31	4235252.48	9.66E-04	8.62E-04	1.64E-04	1.38E-04	7.80E-04	6.32E-04	1.28E-04	1.23E-04	9.54E-05	6.26E-05
4769	562921.76	4235257.03	9.98E-04	8.90E-04	1.69E-04	1.43E-04	8.05E-04	6.53E-04	1.32E-04	1.27E-04	9.85E-05	6.47E-05
4770	562930.21	4235261.58	1.03E-03	9.18E-04	1.75E-04	1.47E-04	8.31E-04	6.74E-04	1.36E-04	1.31E-04	1.02E-04	6.67E-05
4771	562938.66	4235266.13	1.06E-03	9.47E-04	1.80E-04	1.52E-04	8.57E-04	6.95E-04	1.40E-04	1.35E-04	1.05E-04	6.88E-05
4772	562947.11	4235270.68	1.10E-03	9.77E-04	1.86E-04	1.57E-04	8.84E-04	7.17E-04	1.45E-04	1.39E-04	1.08E-04	7.10E-05
4773	562955.56	4235275.23	1.13E-03	1.01E-03	1.91E-04	1.61E-04	9.11E-04	7.38E-04	1.49E-04	1.43E-04	1.11E-04	7.31E-05
4774	562964.02	4235279.78	1.16E-03	1.04E-03	1.97E-04	1.66E-04	9.39E-04	7.61E-04	1.54E-04	1.48E-04	1.15E-04	7.53E-05
4775	562972.47	4235284.32	1.20E-03	1.07E-03	2.03E-04	1.71E-04	9.66E-04	7.83E-04	1.58E-04	1.52E-04	1.18E-04	7.75E-05
4776	562980.92	4235288.87	1.23E-03	1.10E-03	2.09E-04	1.76E-04	9.94E-04	8.05E-04	1.63E-04	1.56E-04	1.22E-04	7.98E-05
4777	562989.37	4235293.42	1.26E-03	1.13E-03	2.15E-04	1.81E-04	1.02E-03	8.28E-04	1.67E-04	1.60E-04	1.25E-04	8.20E-05
4778	562997.82	4235297.97	1.30E-03	1.16E-03	2.20E-04	1.86E-04	1.05E-03	8.50E-04	1.72E-04	1.65E-04	1.28E-04	8.41E-05
4779	563006.27	4235302.52	1.33E-03	1.19E-03	2.26E-04	1.90E-04	1.07E-03	8.71E-04	1.76E-04	1.69E-04	1.31E-04	8.63E-05
4780	563014.72	4235307.07	1.36E-03	1.22E-03	2.31E-04	1.95E-04	1.10E-03	8.92E-04	1.80E-04	1.73E-04	1.35E-04	8.83E-05
4781	563023.18	4235311.62	1.39E-03	1.24E-03	2.36E-04	1.99E-04	1.12E-03	9.11E-04	1.84E-04	1.77E-04	1.37E-04	9.02E-05
4782	563031.63	4235316.17	1.42E-03	1.27E-03	2.41E-04	2.03E-04	1.15E-03	9.29E-04	1.88E-04	1.80E-04	1.40E-04	9.20E-05
4783	563040.08	4235320.72	1.44E-03	1.29E-03	2.45E-04	2.07E-04	1.17E-03	9.46E-04	1.91E-04	1.83E-04	1.43E-04	9.36E-05
4784	563048.53	4235325.27	1.47E-03	1.31E-03	2.49E-04	2.10E-04	1.18E-03	9.60E-04	1.94E-04	1.86E-04	1.45E-04	9.51E-05
4785	562845.42	4235258.3	7.01E-04	6.25E-04	1.19E-04	1.00E-04	5.66E-04	4.59E-04	9.27E-05	8.90E-05	6.92E-05	4.54E-05
4786	562838.76	4235251.64	6.85E-04	6.11E-04	1.16E-04	9.80E-05	5.53E-04	4.48E-04	9.06E-05	8.69E-05	6.76E-05	4.44E-05
4787	562832.09	4235244.98	6.67E-04	5.95E-04	1.13E-04	9.54E-05	5.39E-04	4.37E-04	8.82E-05	8.47E-05	6.59E-05	4.32E-05
4788	562825.42	4235238.33	6.48E-04	5.78E-04	1.10E-04	9.27E-05	5.23E-04	4.24E-04	8.57E-05	8.22E-05	6.40E-05	4.20E-05
4789	562818.76	4235231.67	6.31E-04	5.62E-04	1.07E-04	9.02E-05	5.09E-04	4.13E-04	8.34E-05	8.00E-05	6.23E-05	4.09E-05
4790	562812.09	4235225.01	6.14E-04	5.48E-04	1.04E-04	8.78E-05	4.96E-04	4.02E-04	8.12E-05	7.79E-05	6.07E-05	3.98E-05
4791	562805.42	4235218.36	5.98E-04	5.34E-04	1.02E-04	8.56E-05	4.83E-04	3.92E-04	7.91E-05	7.59E-05	5.91E-05	3.88E-05
4792	562798.76	4235211.7	5.83E-04	5.20E-04	9.89E-05	8.34E-05	4.71E-04	3.82E-04	7.71E-05	7.40E-05	5.76E-05	3.78E-05
4793	562792.09	4235205.05	5.68E-04	5.07E-04	9.64E-05	8.13E-05	4.59E-04	3.72E-04	7.51E-05	7.21E-05	5.61E-05	3.68E-05
4794	562785.43	4235198.39	5.54E-04	4.94E-04	9.40E-05	7.92E-05	4.47E-04	3.63E-04	7.33E-05	7.03E-05	5.47E-05	3.59E-05
4795	562778.76	4235191.73	5.41E-04	4.82E-04	9.17E-05	7.73E-05	4.37E-04	3.54E-04	7.15E-05	6.86E-05	5.34E-05	3.50E-05
4796	562772.09	4235185.08	5.28E-04	4.71E-04	8.96E-05	7.55E-05	4.26E-04	3.45E-04	6.98E-05	6.70E-05	5.21E-05	3.42E-05
4797	562765.43	4235178.42	5.16E-04	4.60E-04	8.75E-05	7.38E-05	4.16E-04	3.38E-04	6.82E-05	6.54E-05	5.09E-05	3.34E-05
4798	562758.76	4235171.77	5.04E-04	4.50E-04	8.56E-05	7.21E-05	4.07E-04	3.30E-04	6.67E-05	6.40E-05	4.98E-05	3.27E-05
4799	562752.09	4235165.11	4.94E-04	4.40E-04	8.38E-05	7.06E-05	3.99E-04	3.23E-04	6.53E-05	6.26E-05	4.87E-05	3.20E-05
4800	562745.43	4235158.45	4.83E-04	4.31E-04	8.20E-05	6.91E-05	3.90E-04	3.16E-04	6.39E-05	6.13E-05	4.77E-05	3.13E-05
4801	562738.76	4235151.8	4.74E-04	4.23E-04	8.04E-05	6.78E-05	3.83E-04	3.10E-04	6.27E-05	6.01E-05	4.68E-05	3.07E-05
4802	562732.09	4235145.14	4.65E-04	4.15E-04	7.89E-05	6.65E-05	3.75E-04	3.04E-04	6.15E-05	5.90E-05	4.59E-05	3.01E-05
4803	562725.43	4235138.48	4.56E-04	4.07E-04	7.74E-05	6.53E-05	3.69E-04	2.99E-04	6.04E-05	5.79E-05	4.51E-05	2.96E-05
4804	562718.76	4235131.83	4.48E-04	4.00E-04	7.61E-05	6.41E-05	3.62E-04	2.93E-04	5.93E-05	5.69E-05	4.43E-05	2.91E-05
4805	562712.09	4235125.17	4.41E-04	3.93E-04	7.48E-05	6.30E-05	3.56E-04	2.88E-04	5.83E-05	5.59E-05	4.35E-05	2.86E-05
4806	562705.43	4235118.52	4.33E-04	3.87E-04	7.36E-05	6.20E-05	3.50E-04	2.84E-04	5.73E-05	5.50E-05	4.28E-05	2.81E-05
4807	562698.76	4235111.86	4.27E-04	3.81E-04	7.24E-05	6.10E-05	3.44E-04	2.79E-04	5.64E-05	5.41E-05	4.21E-05	2.76E-05
4808	562692.09	4235105.2	4.20E-04	3.75E-04	7.13E-05	6.01E-05	3.39E-04	2.75E-04	5.55E-05	5.33E-05	4.15E-05	2.72E-05
4809	562685.43	4235098.55	4.14E-04	3.69E-04	7.02E-05	5.92E-05	3.34E-04	2.71E-04	5.47E-05	5.25E-05	4.09E-05	2.68E-05
4810	562678.76	4235091.89	4.08E-04	3.64E-04	6.92E-05	5.83E-05	3.29E-04	2.67E-04	5.39E-05	5.18E-05	4.03E-05	2.64E-05
4811	562672.09	4235085.24	4.02E-04	3.59E-04	6.83E-05	5.76E-05	3.25E-04	2.63E-04	5.32E-05	5.11E-05	3.97E-05	2.61E-05
4812	562663.51	4235069.35	3.99E-04	3.56E-04	6.77E-05	5.71E-05	3.22E-04	2.61E-04	5.28E-05	5.06E-05	3.94E-05	2.59E-05
4813	562661.6	4235060.13	4.01E-04	3.58E-04	6.81E-05	5.74E-05	3.24E-04	2.62E-04	5.30E-05	5.09E-05	3.96E-05	2.60E-05
4814	562659.69	4235050.91	4.04E-04	3.60E-04	6.85E-05	5.78E-05	3.26E-04	2.64E-04	5.34E-05	5.13E-05	3.99E-05	2.62E-05
4815	562657.77	4235041.68	4.07E-04	3.63E-04	6.91E-05	5.83E-05	3.29E-04	2.67E-04	5.39E-05	5.17E-05	4.02E-05	2.64E-05
4816	562655.86	4235032.46	4.12E-04	3.67E-04	6.99E-05	5.89E-05	3.33E-04	2.69E-04	5.45E-05	5.23E-05	4.07E-05	2.67E-05
4817	562653.94	4235023.23	4.17E-04	3.72E-04	7.08E-05	5.97E-05	3.37E-04	2.73E-04	5.52E-05	5.29E-05	4.12E-05	2.70E-05
4818	562652.03	4235014.01	4.24E-04	3.78E-04	7.19E-05	6.06E-05	3.42E-04	2.77E-04	5.60E-05	5.38E-05	4.18E-05	2.75E-05
4819	562650.12	4235004.79	4.32E-04	3.85E-04	7.32E-05	6.17E-05	3.48E-04	2.82E-04	5.71E-05	5.48E-05	4.26E-05	2.80E-05
4820	562648.2	4234995.56	4.41E-04	3.93E-04	7.48E-05	6.30E-05	3.56E-04	2.88E-04	5.83E-05	5.59E-05	4.35E-05	2.86E-05
4821	562646.29	4234986.34	4.51E-04	4.03E-04	7.66E-05	6.46E-05	3.65E-04	2.95E-04	5.97E-05	5.73E-05	4.46E-05	2.93E-05
4822	562644.37	4234977.11	4.64E-04	4.14E-04	7.87E-05	6.63E-05	3.75E-04	3.04E-04	6.13E-05	5.89E-05	4.58E-05	3.01E-05
4823	562642.46	4234967.89	4.78E-04	4.26E-04	8.11E-05	6.84E-05	3.86E-04	3.13E-04	6.32E-05	6.07E-05	4.72E-05	3.10E-05
4824	562640.55	4234958.67	4.94E-04	4.41E-04	8.38E-05	7.07E-05	3.99E-04	3.23E-04	6.53E-05	6.27E-05	4.88E-05	3.20E-05
4825	562638.63	4234949.44	5.12E-04	4.57E-04	8.69E-05	7.32E-05	4.14E-04	3.35E-04	6.77E-05	6.50E-05	5.06E-05	3.32E-05
4826	562636.72	4234940.22	5.32E-04	4.75E-04	9.03E-05	7.61E-05	4.30E-04	3.48E-04	7.04E-05	6.76E-05	5.26E-05	3.45E-05

4827	562634.81	4234930.99	5.55E-04	4.95E-04	9.42E-05	7.94E-05	4.48E-04	3.63E-04	7.34E-05	7.04E-05	5.48E-05	3.60E-05
4828	562632.89	4234921.77	5.80E-04	5.17E-04	9.84E-05	8.29E-05	4.68E-04	3.79E-04	7.67E-05	7.36E-05	5.73E-05	3.76E-05
4829	562630.98	4234912.55	6.07E-04	5.42E-04	1.03E-04	8.69E-05	4.90E-04	3.97E-04	8.03E-05	7.71E-05	6.00E-05	3.94E-05
4830	562629.06	4234903.32	6.38E-04	5.69E-04	1.08E-04	9.12E-05	5.15E-04	4.17E-04	8.43E-05	8.09E-05	6.30E-05	4.13E-05
4831	562627.15	4234894.1	6.71E-04	5.98E-04	1.14E-04	9.59E-05	5.41E-04	4.39E-04	8.87E-05	8.51E-05	6.62E-05	4.35E-05
4832	562625.24	4234884.87	7.07E-04	6.30E-04	1.20E-04	1.01E-04	5.71E-04	4.62E-04	9.34E-05	8.97E-05	6.98E-05	4.58E-05
4833	562623.32	4234875.65	7.46E-04	6.65E-04	1.27E-04	1.07E-04	6.02E-04	4.88E-04	9.86E-05	9.46E-05	7.36E-05	4.83E-05
4834	562621.41	4234866.42	7.88E-04	7.03E-04	1.34E-04	1.13E-04	6.36E-04	5.15E-04	1.04E-04	9.99E-05	7.78E-05	5.10E-05
4835	562619.49	4234857.2	8.33E-04	7.43E-04	1.41E-04	1.19E-04	6.72E-04	5.45E-04	1.10E-04	1.06E-04	8.22E-05	5.40E-05
4836	562617.58	4234847.98	8.80E-04	7.85E-04	1.49E-04	1.26E-04	7.11E-04	5.76E-04	1.16E-04	1.12E-04	8.70E-05	5.71E-05
4837	562615.67	4234838.75	9.31E-04	8.30E-04	1.58E-04	1.33E-04	7.52E-04	6.09E-04	1.23E-04	1.18E-04	9.19E-05	6.03E-05
4838	562613.75	4234829.53	9.84E-04	8.77E-04	1.67E-04	1.41E-04	7.94E-04	6.44E-04	1.30E-04	1.25E-04	9.71E-05	6.37E-05
4839	562852.09	4235264.95	7.15E-04	6.38E-04	1.21E-04	1.02E-04	5.78E-04	4.68E-04	9.46E-05	9.08E-05	7.06E-05	4.64E-05
4840	562860.54	4235269.5	7.42E-04	6.62E-04	1.26E-04	1.06E-04	5.99E-04	4.86E-04	9.81E-05	9.42E-05	7.33E-05	4.81E-05
4841	562868.99	4235274.05	7.71E-04	6.88E-04	1.31E-04	1.10E-04	6.23E-04	5.05E-04	1.02E-04	9.79E-05	7.62E-05	5.00E-05
4842	562877.44	4235278.6	8.01E-04	7.15E-04	1.36E-04	1.15E-04	6.47E-04	5.24E-04	1.06E-04	1.02E-04	7.91E-05	5.19E-05
4843	562885.9	4235283.15	8.30E-04	7.40E-04	1.41E-04	1.19E-04	6.70E-04	5.43E-04	1.10E-04	1.05E-04	8.20E-05	5.38E-05
4844	562894.35	4235287.7	8.55E-04	7.62E-04	1.45E-04	1.22E-04	6.90E-04	5.59E-04	1.13E-04	1.08E-04	8.44E-05	5.54E-05
4845	562902.8	4235292.25	8.80E-04	7.85E-04	1.49E-04	1.26E-04	7.11E-04	5.76E-04	1.16E-04	1.12E-04	8.69E-05	5.70E-05
4846	562911.25	4235296.8	9.06E-04	8.08E-04	1.54E-04	1.30E-04	7.31E-04	5.93E-04	1.20E-04	1.15E-04	8.94E-05	5.87E-05
4847	562919.7	4235301.35	9.32E-04	8.31E-04	1.58E-04	1.33E-04	7.52E-04	6.10E-04	1.23E-04	1.18E-04	9.20E-05	6.04E-05
4848	562928.15	4235305.9	9.58E-04	8.54E-04	1.63E-04	1.37E-04	7.73E-04	6.27E-04	1.27E-04	1.22E-04	9.46E-05	6.21E-05
4849	562936.6	4235310.45	9.85E-04	8.78E-04	1.67E-04	1.41E-04	7.95E-04	6.44E-04	1.30E-04	1.25E-04	9.72E-05	6.38E-05
4850	562945.06	4235315	1.01E-03	9.03E-04	1.72E-04	1.45E-04	8.17E-04	6.62E-04	1.34E-04	1.28E-04	9.99E-05	6.56E-05
4851	562953.51	4235319.55	1.04E-03	9.27E-04	1.76E-04	1.49E-04	8.39E-04	6.80E-04	1.37E-04	1.32E-04	1.03E-04	6.74E-05
4852	562961.96	4235324.1	1.07E-03	9.52E-04	1.81E-04	1.53E-04	8.62E-04	6.98E-04	1.41E-04	1.35E-04	1.05E-04	6.92E-05
4853	562970.41	4235328.64	1.09E-03	9.77E-04	1.86E-04	1.57E-04	8.84E-04	7.16E-04	1.45E-04	1.39E-04	1.08E-04	7.10E-05
4854	562978.86	4235333.19	1.12E-03	1.00E-03	1.90E-04	1.61E-04	9.06E-04	7.35E-04	1.48E-04	1.42E-04	1.11E-04	7.27E-05
4855	562987.31	4235337.74	1.15E-03	1.03E-03	1.95E-04	1.64E-04	9.28E-04	7.52E-04	1.52E-04	1.46E-04	1.14E-04	7.45E-05
4856	562995.76	4235342.29	1.18E-03	1.05E-03	2.00E-04	1.68E-04	9.50E-04	7.70E-04	1.56E-04	1.49E-04	1.16E-04	7.63E-05
4857	563004.22	4235346.84	1.20E-03	1.07E-03	2.04E-04	1.72E-04	9.71E-04	7.87E-04	1.59E-04	1.53E-04	1.19E-04	7.79E-05
4858	563012.67	4235351.39	1.23E-03	1.09E-03	2.08E-04	1.75E-04	9.91E-04	8.03E-04	1.62E-04	1.56E-04	1.21E-04	7.95E-05
4859	563021.12	4235355.94	1.25E-03	1.12E-03	2.12E-04	1.79E-04	1.01E-03	8.18E-04	1.65E-04	1.59E-04	1.23E-04	8.10E-05
4860	563029.57	4235360.49	1.27E-03	1.13E-03	2.16E-04	1.82E-04	1.03E-03	8.32E-04	1.68E-04	1.61E-04	1.26E-04	8.24E-05
4861	562826.37	4235293.42	6.32E-04	5.64E-04	1.07E-04	9.04E-05	5.10E-04	4.14E-04	8.36E-05	8.02E-05	6.24E-05	4.10E-05
4862	562819.6	4235286.67	6.17E-04	5.51E-04	1.05E-04	8.83E-05	4.98E-04	4.04E-04	8.16E-05	7.83E-05	6.10E-05	4.00E-05
4863	562812.84	4235279.91	6.03E-04	5.38E-04	1.02E-04	8.62E-05	4.87E-04	3.94E-04	7.97E-05	7.65E-05	5.95E-05	3.91E-05
4864	562806.08	4235273.16	5.88E-04	5.25E-04	9.98E-05	8.41E-05	4.75E-04	3.85E-04	7.78E-05	7.46E-05	5.81E-05	3.81E-05
4865	562799.31	4235266.41	5.74E-04	5.12E-04	9.73E-05	8.20E-05	4.63E-04	3.75E-04	7.59E-05	7.28E-05	5.66E-05	3.72E-05
4866	562792.55	4235259.66	5.59E-04	4.99E-04	9.49E-05	8.00E-05	4.52E-04	3.66E-04	7.40E-05	7.10E-05	5.52E-05	3.62E-05
4867	562785.79	4235252.9	5.45E-04	4.86E-04	9.25E-05	7.80E-05	4.40E-04	3.57E-04	7.21E-05	6.92E-05	5.38E-05	3.53E-05
4868	562779.03	4235246.15	5.32E-04	4.74E-04	9.02E-05	7.60E-05	4.29E-04	3.48E-04	7.03E-05	6.75E-05	5.25E-05	3.45E-05
4869	562772.26	4235239.4	5.18E-04	4.63E-04	8.80E-05	7.41E-05	4.19E-04	3.39E-04	6.86E-05	6.58E-05	5.12E-05	3.36E-05
4870	562765.5	4235232.65	5.06E-04	4.51E-04	8.58E-05	7.23E-05	4.08E-04	3.31E-04	6.69E-05	6.42E-05	5.00E-05	3.28E-05
4871	562758.74	4235225.89	4.94E-04	4.40E-04	8.38E-05	7.06E-05	3.99E-04	3.23E-04	6.53E-05	6.27E-05	4.88E-05	3.20E-05
4872	562751.97	4235219.14	4.82E-04	4.30E-04	8.18E-05	6.90E-05	3.89E-04	3.16E-04	6.38E-05	6.12E-05	4.76E-05	3.13E-05
4873	562745.21	4235212.39	4.71E-04	4.21E-04	8.00E-05	6.74E-05	3.81E-04	3.09E-04	6.24E-05	5.98E-05	4.66E-05	3.06E-05
4874	562738.45	4235205.64	4.61E-04	4.11E-04	7.83E-05	6.60E-05	3.72E-04	3.02E-04	6.10E-05	5.85E-05	4.56E-05	2.99E-05
4875	562731.68	4235198.88	4.52E-04	4.03E-04	7.66E-05	6.46E-05	3.65E-04	2.96E-04	5.97E-05	5.73E-05	4.46E-05	2.93E-05
4876	562724.92	4235192.13	4.43E-04	3.95E-04	7.51E-05	6.33E-05	3.57E-04	2.90E-04	5.85E-05	5.62E-05	4.37E-05	2.87E-05
4877	562718.16	4235185.38	4.34E-04	3.87E-04	7.37E-05	6.21E-05	3.51E-04	2.84E-04	5.74E-05	5.51E-05	4.29E-05	2.81E-05
4878	562711.39	4235178.63	4.26E-04	3.80E-04	7.23E-05	6.09E-05	3.44E-04	2.79E-04	5.63E-05	5.41E-05	4.21E-05	2.76E-05
4879	562704.63	4235171.87	4.19E-04	3.73E-04	7.10E-05	5.99E-05	3.38E-04	2.74E-04	5.53E-05	5.31E-05	4.13E-05	2.71E-05
4880	562697.87	4235165.12	4.11E-04	3.67E-04	6.98E-05	5.88E-05	3.32E-04	2.69E-04	5.44E-05	5.22E-05	4.06E-05	2.67E-05
4881	562691.1	4235158.37	4.04E-04	3.61E-04	6.86E-05	5.78E-05	3.27E-04	2.65E-04	5.35E-05	5.13E-05	3.99E-05	2.62E-05
4882	562684.34	4235151.61	3.98E-04	3.55E-04	6.75E-05	5.69E-05	3.21E-04	2.60E-04	5.26E-05	5.05E-05	3.93E-05	2.58E-05
4883	562677.58	4235144.86	3.92E-04	3.49E-04	6.65E-05	5.60E-05	3.16E-04	2.56E-04	5.18E-05	4.97E-05	3.87E-05	2.54E-05
4884	562670.82	4235138.11	3.86E-04	3.44E-04	6.55E-05	5.52E-05	3.11E-04	2.52E-04	5.10E-05	4.89E-05	3.81E-05	2.50E-05
4885	562664.05	4235131.36	3.80E-04	3.39E-04	6.45E-05	5.43E-05	3.07E-04	2.49E-04	5.03E-05	4.82E-05	3.75E-05	2.46E-05
4886	562657.29	4235124.6	3.74E-04	3.34E-04	6.35E-05	5.36E-05	3.02E-04	2.45E-04	4.95E-05	4.75E-05	3.70E-05	2.43E-05
4887	562650.53	4235117.85	3.69E-04	3.29E-04	6.26E-05	5.28E-05	2.98E-04	2.42E-04	4.88E-05	4.68E-05	3.65E-05	2.39E-05
4888	562643.76	4235111.1	3.64E-04	3.25E-04	6.18E-05	5.21E-05	2.94E-04	2.38E-04	4.81E-05	4.62E-05	3.60E-05	2.36E-05
4889	562637	4235104.35	3.59E-04	3.21E-04	6.10E-05	5.14E-05	2.90E-04	2.35E-04	4.75E-05	4.56E-05	3.55E-05	2.33E-05
4890	562628.29	4235088.24	3.56E-04	3.17E-04	6.04E-05	5.09E-05	2.87E-04	2.33E-04	4.71E-05	4.52E-05	3.51E-05	2.31E-05
4891	562626.35	4235078.88	3.57E-04	3.19E-04	6.06E-05	5.11E-05	2.89E-04	2.34E-04	4.73E-05	4.53E-05	3.53E-05	2.32E-05
4892	562624.41	4235069.52	3.59E-04	3.20E-04	6.10E-05	5.14E-05	2.90E-04	2.35E-04	4.75E-05	4.56E-05	3.55E-05	2.33E-05
4893	562622.47	4235060.16	3.62E-04	3.23E-04	6.14E-05	5.17E-05	2.92E-04	2.37E-04	4.78E-05	4.59E-05	3.57E-05	2.34E-05
4894	562620.53	4235050.8	3.65E-04	3.26E-04	6.19E-05	5.22E-05	2.95E-04	2.39E-04	4.83E-05	4.63E-05	3.60E-05	2.36E-05
4895	562618.59	4235041.45	3.69E-04	3.29E-04	6.26E-05	5.27E-05	2.98E-04	2.41E-04	4.88E-05	4.68E-05	3.64E-05	2.39E-05

4896	562616.64	4235032.09	3.74E-04	3.33E-04	6.34E-05	5.34E-05	3.02E-04	2.45E-04	4.94E-05	4.74E-05	3.69E-05	2.42E-05
4897	562614.7	4235022.73	3.79E-04	3.39E-04	6.44E-05	5.43E-05	3.06E-04	2.48E-04	5.02E-05	4.82E-05	3.75E-05	2.46E-05
4898	562612.76	4235013.37	3.86E-04	3.45E-04	6.56E-05	5.53E-05	3.12E-04	2.53E-04	5.11E-05	4.90E-05	3.82E-05	2.50E-05
4899	562610.82	4235004.02	3.95E-04	3.52E-04	6.70E-05	5.64E-05	3.19E-04	2.58E-04	5.22E-05	5.01E-05	3.90E-05	2.56E-05
4900	562608.88	4234994.66	4.04E-04	3.60E-04	6.86E-05	5.78E-05	3.26E-04	2.64E-04	5.34E-05	5.13E-05	3.99E-05	2.62E-05
4901	562606.94	4234985.3	4.15E-04	3.70E-04	7.04E-05	5.94E-05	3.35E-04	2.72E-04	5.49E-05	5.27E-05	4.10E-05	2.69E-05
4902	562604.99	4234975.94	4.27E-04	3.81E-04	7.25E-05	6.11E-05	3.45E-04	2.80E-04	5.65E-05	5.42E-05	4.22E-05	2.77E-05
4903	562603.05	4234966.58	4.42E-04	3.94E-04	7.49E-05	6.31E-05	3.57E-04	2.89E-04	5.84E-05	5.60E-05	4.36E-05	2.86E-05
4904	562601.11	4234957.23	4.57E-04	4.08E-04	7.76E-05	6.54E-05	3.69E-04	2.99E-04	6.05E-05	5.80E-05	4.52E-05	2.96E-05
4905	562599.17	4234947.87	4.75E-04	4.24E-04	8.06E-05	6.79E-05	3.83E-04	3.11E-04	6.28E-05	6.03E-05	4.69E-05	3.08E-05
4906	562597.23	4234938.51	4.94E-04	4.41E-04	8.39E-05	7.07E-05	3.99E-04	3.24E-04	6.54E-05	6.27E-05	4.88E-05	3.20E-05
4907	562595.29	4234929.15	5.16E-04	4.60E-04	8.76E-05	7.38E-05	4.17E-04	3.38E-04	6.82E-05	6.55E-05	5.10E-05	3.34E-05
4908	562593.34	4234919.8	5.40E-04	4.81E-04	9.16E-05	7.72E-05	4.36E-04	3.53E-04	7.14E-05	6.85E-05	5.33E-05	3.50E-05
4909	562591.4	4234910.44	5.66E-04	5.05E-04	9.60E-05	8.09E-05	4.57E-04	3.70E-04	7.48E-05	7.18E-05	5.59E-05	3.67E-05
4910	562589.46	4234901.08	5.94E-04	5.30E-04	1.01E-04	8.49E-05	4.80E-04	3.89E-04	7.85E-05	7.54E-05	5.87E-05	3.85E-05
4911	562587.52	4234891.72	6.25E-04	5.57E-04	1.06E-04	8.93E-05	5.04E-04	4.09E-04	8.26E-05	7.93E-05	6.17E-05	4.05E-05
4912	562585.58	4234882.36	6.58E-04	5.87E-04	1.12E-04	9.41E-05	5.31E-04	4.31E-04	8.70E-05	8.35E-05	6.50E-05	4.26E-05
4913	562583.64	4234873.01	6.94E-04	6.19E-04	1.18E-04	9.92E-05	5.60E-04	4.54E-04	9.18E-05	8.80E-05	6.85E-05	4.50E-05
4914	562581.69	4234863.65	7.32E-04	6.53E-04	1.24E-04	1.05E-04	5.91E-04	4.79E-04	9.69E-05	9.29E-05	7.23E-05	4.75E-05
4915	562579.75	4234854.29	7.73E-04	6.90E-04	1.31E-04	1.11E-04	6.24E-04	5.06E-04	1.02E-04	9.81E-05	7.64E-05	5.01E-05
4916	562577.81	4234844.93	8.15E-04	7.27E-04	1.38E-04	1.17E-04	6.58E-04	5.34E-04	1.08E-04	1.03E-04	8.05E-05	5.28E-05
4917	562575.87	4234835.58	8.50E-04	7.58E-04	1.44E-04	1.22E-04	6.86E-04	5.56E-04	1.12E-04	1.08E-04	8.40E-05	5.51E-05
4918	562573.93	4234826.22	8.86E-04	7.90E-04	1.50E-04	1.27E-04	7.15E-04	5.80E-04	1.17E-04	1.12E-04	8.75E-05	5.74E-05
4919	562833.13	4235300.17	6.46E-04	5.77E-04	1.10E-04	9.24E-05	5.22E-04	4.23E-04	8.55E-05	8.20E-05	6.38E-05	4.19E-05
4920	562841.58	4235304.72	6.66E-04	5.94E-04	1.13E-04	9.52E-05	5.38E-04	4.36E-04	8.81E-05	8.45E-05	6.58E-05	4.32E-05
4921	562850.03	4235309.27	6.86E-04	6.12E-04	1.16E-04	9.81E-05	5.54E-04	4.49E-04	9.07E-05	8.70E-05	6.77E-05	4.44E-05
4922	562858.48	4235313.82	7.08E-04	6.32E-04	1.20E-04	1.01E-04	5.72E-04	4.63E-04	9.37E-05	8.99E-05	6.99E-05	4.59E-05
4923	562866.94	4235318.37	7.33E-04	6.54E-04	1.24E-04	1.05E-04	5.92E-04	4.80E-04	9.70E-05	9.30E-05	7.24E-05	4.75E-05
4924	562875.39	4235322.92	7.58E-04	6.77E-04	1.29E-04	1.08E-04	6.12E-04	4.96E-04	1.00E-04	9.62E-05	7.49E-05	4.92E-05
4925	562883.84	4235327.47	7.84E-04	6.99E-04	1.33E-04	1.12E-04	6.33E-04	5.13E-04	1.04E-04	9.95E-05	7.74E-05	5.08E-05
4926	562892.29	4235332.02	8.05E-04	7.18E-04	1.37E-04	1.15E-04	6.50E-04	5.27E-04	1.06E-04	1.02E-04	7.95E-05	5.21E-05
4927	562900.74	4235336.57	8.26E-04	7.37E-04	1.40E-04	1.18E-04	6.67E-04	5.40E-04	1.09E-04	1.05E-04	8.15E-05	5.35E-05
4928	562909.19	4235341.12	8.47E-04	7.56E-04	1.44E-04	1.21E-04	6.84E-04	5.54E-04	1.12E-04	1.07E-04	8.36E-05	5.49E-05
4929	562917.64	4235345.67	8.69E-04	7.75E-04	1.47E-04	1.24E-04	7.01E-04	5.68E-04	1.15E-04	1.10E-04	8.58E-05	5.63E-05
4930	562926.1	4235350.22	8.91E-04	7.94E-04	1.51E-04	1.27E-04	7.19E-04	5.83E-04	1.18E-04	1.13E-04	8.80E-05	5.77E-05
4931	562934.55	4235354.77	9.13E-04	8.14E-04	1.55E-04	1.31E-04	7.37E-04	5.97E-04	1.21E-04	1.16E-04	9.02E-05	5.92E-05
4932	562943	4235359.32	9.36E-04	8.35E-04	1.59E-04	1.34E-04	7.55E-04	6.12E-04	1.24E-04	1.19E-04	9.24E-05	6.06E-05
4933	562951.45	4235363.87	9.58E-04	8.55E-04	1.63E-04	1.37E-04	7.74E-04	6.27E-04	1.27E-04	1.22E-04	9.46E-05	6.21E-05
4934	562959.9	4235368.42	9.81E-04	8.75E-04	1.67E-04	1.40E-04	7.92E-04	6.42E-04	1.30E-04	1.25E-04	9.69E-05	6.36E-05
4935	562968.35	4235372.97	1.00E-03	8.96E-04	1.70E-04	1.44E-04	8.11E-04	6.57E-04	1.33E-04	1.27E-04	9.92E-05	6.51E-05
4936	562976.8	4235377.51	1.03E-03	9.16E-04	1.74E-04	1.47E-04	8.29E-04	6.72E-04	1.36E-04	1.30E-04	1.01E-04	6.66E-05
4937	562985.26	4235382.06	1.05E-03	9.36E-04	1.78E-04	1.50E-04	8.47E-04	6.87E-04	1.39E-04	1.33E-04	1.04E-04	6.80E-05
4938	562993.71	4235386.61	1.07E-03	9.55E-04	1.82E-04	1.53E-04	8.65E-04	7.01E-04	1.42E-04	1.36E-04	1.06E-04	6.94E-05
4939	563002.16	4235391.16	1.09E-03	9.74E-04	1.85E-04	1.56E-04	8.81E-04	7.14E-04	1.44E-04	1.38E-04	1.08E-04	7.07E-05
4940	563010.61	4235395.71	1.11E-03	9.91E-04	1.88E-04	1.59E-04	8.97E-04	7.27E-04	1.47E-04	1.41E-04	1.10E-04	7.20E-05
4941	562807.53	4235328.76	5.76E-04	5.14E-04	9.78E-05	8.24E-05	4.65E-04	3.77E-04	7.62E-05	7.31E-05	5.69E-05	3.74E-05
4942	562800.89	4235322.13	5.64E-04	5.03E-04	9.57E-05	8.07E-05	4.56E-04	3.69E-04	7.46E-05	7.16E-05	5.57E-05	3.66E-05
4943	562794.25	4235315.5	5.52E-04	4.92E-04	9.36E-05	7.89E-05	4.45E-04	3.61E-04	7.30E-05	7.00E-05	5.45E-05	3.58E-05
4944	562787.61	4235308.87	5.39E-04	4.81E-04	9.15E-05	7.71E-05	4.35E-04	3.53E-04	7.13E-05	6.84E-05	5.33E-05	3.50E-05
4945	562780.97	4235302.24	5.27E-04	4.70E-04	8.94E-05	7.53E-05	4.25E-04	3.45E-04	6.97E-05	6.69E-05	5.20E-05	3.41E-05
4946	562774.33	4235295.61	5.15E-04	4.59E-04	8.73E-05	7.36E-05	4.15E-04	3.37E-04	6.80E-05	6.53E-05	5.08E-05	3.33E-05
4947	562767.69	4235288.98	5.02E-04	4.48E-04	8.52E-05	7.18E-05	4.06E-04	3.29E-04	6.64E-05	6.37E-05	4.96E-05	3.26E-05
4948	562761.05	4235282.35	4.91E-04	4.38E-04	8.32E-05	7.01E-05	3.96E-04	3.21E-04	6.49E-05	6.22E-05	4.84E-05	3.18E-05
4949	562754.41	4235275.72	4.79E-04	4.27E-04	8.13E-05	6.85E-05	3.87E-04	3.13E-04	6.33E-05	6.08E-05	4.73E-05	3.10E-05
4950	562747.77	4235269.1	4.68E-04	4.17E-04	7.94E-05	6.69E-05	3.78E-04	3.06E-04	6.19E-05	5.94E-05	4.62E-05	3.03E-05
4951	562741.13	4235262.47	4.57E-04	4.08E-04	7.76E-05	6.54E-05	3.69E-04	2.99E-04	6.05E-05	5.80E-05	4.51E-05	2.96E-05
4952	562734.49	4235255.84	4.47E-04	3.99E-04	7.58E-05	6.39E-05	3.61E-04	2.92E-04	5.91E-05	5.67E-05	4.41E-05	2.90E-05
4953	562727.85	4235249.21	4.37E-04	3.90E-04	7.42E-05	6.25E-05	3.53E-04	2.86E-04	5.78E-05	5.55E-05	4.32E-05	2.83E-05
4954	562721.21	4235242.58	4.28E-04	3.82E-04	7.26E-05	6.12E-05	3.46E-04	2.80E-04	5.66E-05	5.43E-05	4.23E-05	2.77E-05
4955	562714.57	4235235.95	4.19E-04	3.74E-04	7.12E-05	6.00E-05	3.39E-04	2.74E-04	5.55E-05	5.32E-05	4.14E-05	2.72E-05
4956	562707.93	4235229.32	4.11E-04	3.67E-04	6.98E-05	5.88E-05	3.32E-04	2.69E-04	5.44E-05	5.22E-05	4.06E-05	2.66E-05
4957	562701.29	4235222.69	4.04E-04	3.60E-04	6.85E-05	5.77E-05	3.26E-04	2.64E-04	5.34E-05	5.12E-05	3.99E-05	2.62E-05
4958	562694.65	4235216.06	3.96E-04	3.54E-04	6.72E-05	5.67E-05	3.20E-04	2.59E-04	5.24E-05	5.03E-05	3.91E-05	2.57E-05
4959	562688.01	4235209.43	3.90E-04	3.48E-04	6.61E-05	5.57E-05	3.15E-04	2.55E-04	5.15E-05	4.94E-05	3.85E-05	2.52E-05
4960	562681.37	4235202.8	3.83E-04	3.42E-04	6.50E-05	5.48E-05	3.09E-04	2.51E-04	5.07E-05	4.86E-05	3.78E-05	2.48E-05
4961	562674.73	4235196.17	3.77E-04	3.36E-04	6.40E-05	5.39E-05	3.04E-04	2.47E-04	4.99E-05	4.78E-05	3.72E-05	2.44E-05
4962	562668.09	4235189.54	3.71E-04	3.31E-04	6.30E-05	5.31E-05	3.00E-04	2.43E-04	4.91E-05	4.71E-05	3.67E-05	2.41E-05
4963	562661.45	4235182.91	3.66E-04	3.26E-04	6.21E-05	5.23E-05	2.95E-04	2.39E-04	4.84E-05	4.64E-05	3.61E-05	2.37E-05
4964	562654.81	4235176.28	3.60E-04	3.21E-04	6.11E-05	5.15E-05	2.91E-04	2.36E-04	4.77E-05	4.57E-05	3.56E-05	2.34E-05

4965	562648.17	4235169.65	3.55E-04	3.17E-04	6.03E-05	5.08E-05	2.87E-04	2.32E-04	4.70E-05	4.51E-05	3.51E-05	2.30E-05
4966	562641.53	4235163.02	3.50E-04	3.12E-04	5.94E-05	5.01E-05	2.83E-04	2.29E-04	4.63E-05	4.44E-05	3.46E-05	2.27E-05
4967	562634.89	4235156.39	3.45E-04	3.08E-04	5.86E-05	4.94E-05	2.79E-04	2.26E-04	4.57E-05	4.38E-05	3.41E-05	2.24E-05
4968	562628.25	4235149.76	3.41E-04	3.04E-04	5.78E-05	4.87E-05	2.75E-04	2.23E-04	4.50E-05	4.32E-05	3.36E-05	2.21E-05
4969	562621.61	4235143.13	3.36E-04	3.00E-04	5.70E-05	4.81E-05	2.71E-04	2.20E-04	4.44E-05	4.26E-05	3.32E-05	2.18E-05
4970	562614.97	4235136.5	3.32E-04	2.96E-04	5.63E-05	4.74E-05	2.68E-04	2.17E-04	4.39E-05	4.21E-05	3.28E-05	2.15E-05
4971	562608.33	4235129.87	3.27E-04	2.92E-04	5.55E-05	4.68E-05	2.64E-04	2.14E-04	4.33E-05	4.15E-05	3.23E-05	2.12E-05
4972	562601.68	4235123.24	3.23E-04	2.88E-04	5.48E-05	4.62E-05	2.61E-04	2.11E-04	4.27E-05	4.10E-05	3.19E-05	2.09E-05
4973	562593.14	4235107.42	3.20E-04	2.85E-04	5.43E-05	4.58E-05	2.58E-04	2.09E-04	4.23E-05	4.06E-05	3.16E-05	2.07E-05
4974	562591.23	4235098.23	3.21E-04	2.86E-04	5.44E-05	4.59E-05	2.59E-04	2.10E-04	4.24E-05	4.07E-05	3.17E-05	2.08E-05
4975	562589.33	4235089.05	3.22E-04	2.87E-04	5.47E-05	4.61E-05	2.60E-04	2.11E-04	4.26E-05	4.09E-05	3.18E-05	2.09E-05
4976	562587.42	4235079.86	3.24E-04	2.89E-04	5.49E-05	4.63E-05	2.61E-04	2.12E-04	4.28E-05	4.11E-05	3.20E-05	2.10E-05
4977	562585.51	4235070.67	3.26E-04	2.91E-04	5.53E-05	4.66E-05	2.63E-04	2.13E-04	4.31E-05	4.13E-05	3.22E-05	2.11E-05
4978	562583.61	4235061.48	3.29E-04	2.93E-04	5.57E-05	4.70E-05	2.65E-04	2.15E-04	4.34E-05	4.17E-05	3.24E-05	2.13E-05
4979	562581.7	4235052.29	3.32E-04	2.96E-04	5.63E-05	4.75E-05	2.68E-04	2.17E-04	4.39E-05	4.21E-05	3.28E-05	2.15E-05
4980	562579.79	4235043.11	3.36E-04	3.00E-04	5.70E-05	4.80E-05	2.71E-04	2.20E-04	4.44E-05	4.26E-05	3.32E-05	2.18E-05
4981	562577.89	4235033.92	3.41E-04	3.04E-04	5.78E-05	4.87E-05	2.75E-04	2.23E-04	4.51E-05	4.32E-05	3.37E-05	2.21E-05
4982	562575.98	4235024.73	3.47E-04	3.09E-04	5.88E-05	4.96E-05	2.80E-04	2.27E-04	4.58E-05	4.40E-05	3.42E-05	2.25E-05
4983	562574.07	4235015.54	3.53E-04	3.15E-04	5.99E-05	5.05E-05	2.85E-04	2.31E-04	4.67E-05	4.48E-05	3.49E-05	2.29E-05
4984	562572.17	4235006.36	3.61E-04	3.22E-04	6.13E-05	5.16E-05	2.92E-04	2.36E-04	4.78E-05	4.58E-05	3.57E-05	2.34E-05
4985	562570.26	4234997.17	3.70E-04	3.30E-04	6.28E-05	5.29E-05	2.99E-04	2.42E-04	4.89E-05	4.70E-05	3.66E-05	2.40E-05
4986	562568.36	4234987.98	3.80E-04	3.39E-04	6.45E-05	5.44E-05	3.07E-04	2.49E-04	5.03E-05	4.83E-05	3.76E-05	2.46E-05
4987	562566.45	4234978.79	3.92E-04	3.50E-04	6.65E-05	5.60E-05	3.16E-04	2.56E-04	5.18E-05	4.97E-05	3.87E-05	2.54E-05
4988	562564.54	4234969.61	4.05E-04	3.61E-04	6.87E-05	5.79E-05	3.27E-04	2.65E-04	5.35E-05	5.13E-05	4.00E-05	2.62E-05
4989	562562.64	4234960.42	4.19E-04	3.74E-04	7.11E-05	5.99E-05	3.38E-04	2.74E-04	5.54E-05	5.31E-05	4.14E-05	2.71E-05
4990	562560.73	4234951.23	4.35E-04	3.88E-04	7.37E-05	6.21E-05	3.51E-04	2.84E-04	5.75E-05	5.51E-05	4.29E-05	2.82E-05
4991	562558.82	4234942.04	4.52E-04	4.03E-04	7.67E-05	6.46E-05	3.65E-04	2.96E-04	5.98E-05	5.73E-05	4.46E-05	2.93E-05
4992	562556.92	4234932.86	4.71E-04	4.20E-04	7.99E-05	6.73E-05	3.80E-04	3.08E-04	6.23E-05	5.97E-05	4.65E-05	3.05E-05
4993	562555.01	4234923.67	4.91E-04	4.38E-04	8.34E-05	7.03E-05	3.97E-04	3.22E-04	6.50E-05	6.23E-05	4.85E-05	3.18E-05
4994	562553.11	4234914.48	5.14E-04	4.58E-04	8.72E-05	7.35E-05	4.15E-04	3.36E-04	6.79E-05	6.52E-05	5.07E-05	3.33E-05
4995	562551.2	4234905.29	5.38E-04	4.80E-04	9.13E-05	7.70E-05	4.34E-04	3.52E-04	7.12E-05	6.83E-05	5.31E-05	3.49E-05
4996	562549.29	4234896.1	5.64E-04	5.03E-04	9.58E-05	8.07E-05	4.56E-04	3.69E-04	7.46E-05	7.16E-05	5.57E-05	3.66E-05
4997	562547.39	4234886.92	5.93E-04	5.29E-04	1.01E-04	8.48E-05	4.79E-04	3.88E-04	7.84E-05	7.52E-05	5.85E-05	3.84E-05
4998	562545.48	4234877.73	6.23E-04	5.56E-04	1.06E-04	8.91E-05	5.03E-04	4.08E-04	8.24E-05	7.91E-05	6.15E-05	4.04E-05
4999	562543.57	4234868.54	6.53E-04	5.83E-04	1.11E-04	9.35E-05	5.28E-04	4.28E-04	8.64E-05	8.29E-05	6.45E-05	4.24E-05
5000	562541.67	4234859.35	6.84E-04	6.10E-04	1.16E-04	9.79E-05	5.52E-04	4.48E-04	9.05E-05	8.68E-05	6.76E-05	4.43E-05
5001	562539.76	4234850.17	7.15E-04	6.38E-04	1.21E-04	1.02E-04	5.78E-04	4.68E-04	9.46E-05	9.08E-05	7.07E-05	4.64E-05
5002	562537.85	4234840.98	7.47E-04	6.67E-04	1.27E-04	1.07E-04	6.04E-04	4.89E-04	9.88E-05	9.48E-05	7.38E-05	4.84E-05
5003	562535.95	4234831.79	7.81E-04	6.97E-04	1.33E-04	1.12E-04	6.31E-04	5.11E-04	1.03E-04	9.91E-05	7.72E-05	5.06E-05
5004	562534.04	4234822.6	8.18E-04	7.29E-04	1.39E-04	1.17E-04	6.60E-04	5.35E-04	1.08E-04	1.04E-04	8.07E-05	5.30E-05
5005	562814.17	4235335.39	5.88E-04	5.25E-04	9.99E-05	8.42E-05	4.75E-04	3.85E-04	7.78E-05	7.47E-05	5.81E-05	3.81E-05
5006	562822.62	4235339.94	6.05E-04	5.40E-04	1.03E-04	8.65E-05	4.89E-04	3.96E-04	8.00E-05	7.68E-05	5.98E-05	3.92E-05
5007	562831.07	4235344.49	6.22E-04	5.55E-04	1.06E-04	8.89E-05	5.02E-04	4.07E-04	8.22E-05	7.89E-05	6.14E-05	4.03E-05
5008	562839.52	4235349.04	6.38E-04	5.70E-04	1.08E-04	9.13E-05	5.15E-04	4.18E-04	8.44E-05	8.10E-05	6.31E-05	4.14E-05
5009	562847.98	4235353.59	6.55E-04	5.84E-04	1.11E-04	9.37E-05	5.29E-04	4.29E-04	8.66E-05	8.31E-05	6.47E-05	4.25E-05
5010	562856.43	4235358.14	6.73E-04	6.01E-04	1.14E-04	9.63E-05	5.44E-04	4.41E-04	8.90E-05	8.54E-05	6.65E-05	4.36E-05
5011	562864.88	4235362.69	6.94E-04	6.19E-04	1.18E-04	9.93E-05	5.61E-04	4.54E-04	9.18E-05	8.81E-05	6.86E-05	4.50E-05
5012	562873.33	4235367.24	7.16E-04	6.39E-04	1.21E-04	1.02E-04	5.78E-04	4.69E-04	9.47E-05	9.08E-05	7.07E-05	4.64E-05
5013	562881.78	4235371.79	7.37E-04	6.58E-04	1.25E-04	1.05E-04	5.95E-04	4.83E-04	9.75E-05	9.36E-05	7.28E-05	4.78E-05
5014	562890.23	4235376.34	7.56E-04	6.74E-04	1.28E-04	1.08E-04	6.10E-04	4.95E-04	1.00E-04	9.59E-05	7.46E-05	4.90E-05
5015	562898.68	4235380.89	7.74E-04	6.90E-04	1.31E-04	1.11E-04	6.25E-04	5.06E-04	1.02E-04	9.82E-05	7.64E-05	5.01E-05
5016	562907.14	4235385.44	7.92E-04	7.06E-04	1.34E-04	1.13E-04	6.39E-04	5.18E-04	1.05E-04	1.00E-04	7.82E-05	5.13E-05
5017	562915.59	4235389.99	8.10E-04	7.22E-04	1.37E-04	1.16E-04	6.54E-04	5.30E-04	1.07E-04	1.03E-04	8.00E-05	5.25E-05
5018	562924.04	4235394.54	8.28E-04	7.39E-04	1.41E-04	1.18E-04	6.69E-04	5.42E-04	1.10E-04	1.05E-04	8.18E-05	5.37E-05
5019	562932.49	4235399.09	8.47E-04	7.56E-04	1.44E-04	1.21E-04	6.84E-04	5.54E-04	1.12E-04	1.08E-04	8.37E-05	5.49E-05
5020	562940.94	4235403.64	8.66E-04	7.73E-04	1.47E-04	1.24E-04	7.00E-04	5.67E-04	1.15E-04	1.10E-04	8.56E-05	5.62E-05
5021	562949.39	4235408.19	8.86E-04	7.90E-04	1.50E-04	1.27E-04	7.15E-04	5.80E-04	1.17E-04	1.12E-04	8.75E-05	5.74E-05
5022	562957.84	4235412.74	9.05E-04	8.07E-04	1.54E-04	1.29E-04	7.31E-04	5.92E-04	1.20E-04	1.15E-04	8.94E-05	5.86E-05
5023	562966.3	4235417.29	9.24E-04	8.24E-04	1.57E-04	1.32E-04	7.46E-04	6.05E-04	1.22E-04	1.17E-04	9.13E-05	5.99E-05
5024	562974.75	4235421.83	9.43E-04	8.41E-04	1.60E-04	1.35E-04	7.61E-04	6.17E-04	1.25E-04	1.20E-04	9.31E-05	6.11E-05
5025	562983.2	4235426.38	9.61E-04	8.57E-04	1.63E-04	1.37E-04	7.76E-04	6.29E-04	1.27E-04	1.22E-04	9.49E-05	6.23E-05
5026	562991.65	4235430.93	9.79E-04	8.73E-04	1.66E-04	1.40E-04	7.90E-04	6.40E-04	1.29E-04	1.24E-04	9.66E-05	6.34E-05
5027	562788.49	4235363.9	5.28E-04	4.71E-04	8.96E-05	7.56E-05	4.27E-04	3.46E-04	6.99E-05	6.70E-05	5.22E-05	3.42E-05
5028	562781.76	4235357.19	5.18E-04	4.62E-04	8.78E-05	7.40E-05	4.18E-04	3.39E-04	6.84E-05	6.57E-05	5.11E-05	3.35E-05
5029	562775.04	4235350.47	5.07E-04	4.52E-04	8.60E-05	7.25E-05	4.09E-04	3.32E-04	6.70E-05	6.43E-05	5.00E-05	3.28E-05
5030	562768.31	4235343.76	4.96E-04	4.42E-04	8.41E-05	7.09E-05	4.00E-04	3.24E-04	6.55E-05	6.29E-05	4.89E-05	3.21E-05
5031	562761.59	4235337.04	4.85E-04	4.32E-04	8.22E-05	6.93E-05	3.91E-04	3.17E-04	6.41E-05	6.15E-05	4.79E-05	3.14E-05
5032	562754.86	4235330.33	4.74E-04	4.22E-04	8.04E-05	6.77E-05	3.82E-04	3.10E-04	6.26E-05	6.01E-05	4.68E-05	3.07E-05
5033	562748.14	4235323.62	4.63E-04	4.13E-04	7.85E-05	6.62E-05	3.74E-04	3.03E-04	6.12E-05	5.87E-05	4.57E-05	3.00E-05

5034	562741.41	4235316.9	4.52E-04	4.03E-04	7.67E-05	6.46E-05	3.65E-04	2.96E-04	5.98E-05	5.74E-05	4.46E-05	2.93E-05
5035	562734.69	4235310.19	4.42E-04	3.94E-04	7.49E-05	6.31E-05	3.57E-04	2.89E-04	5.84E-05	5.60E-05	4.36E-05	2.86E-05
5036	562727.97	4235303.47	4.31E-04	3.85E-04	7.32E-05	6.17E-05	3.48E-04	2.82E-04	5.71E-05	5.47E-05	4.26E-05	2.80E-05
5037	562721.24	4235296.76	4.22E-04	3.76E-04	7.16E-05	6.03E-05	3.41E-04	2.76E-04	5.58E-05	5.35E-05	4.16E-05	2.73E-05
5038	562714.52	4235290.05	4.12E-04	3.68E-04	7.00E-05	5.90E-05	3.33E-04	2.70E-04	5.45E-05	5.23E-05	4.07E-05	2.67E-05
5039	562707.79	4235283.33	4.04E-04	3.60E-04	6.85E-05	5.77E-05	3.26E-04	2.64E-04	5.34E-05	5.12E-05	3.99E-05	2.62E-05
5040	562701.07	4235276.62	3.95E-04	3.53E-04	6.71E-05	5.65E-05	3.19E-04	2.59E-04	5.23E-05	5.01E-05	3.90E-05	2.56E-05
5041	562694.34	4235269.9	3.87E-04	3.46E-04	6.57E-05	5.54E-05	3.13E-04	2.53E-04	5.12E-05	4.91E-05	3.82E-05	2.51E-05
5042	562687.62	4235263.19	3.80E-04	3.39E-04	6.45E-05	5.43E-05	3.07E-04	2.49E-04	5.02E-05	4.82E-05	3.75E-05	2.46E-05
5043	562680.89	4235256.48	3.73E-04	3.33E-04	6.33E-05	5.33E-05	3.01E-04	2.44E-04	4.93E-05	4.73E-05	3.68E-05	2.42E-05
5044	562674.17	4235249.76	3.66E-04	3.27E-04	6.22E-05	5.24E-05	2.96E-04	2.40E-04	4.84E-05	4.65E-05	3.62E-05	2.37E-05
5045	562667.45	4235243.05	3.60E-04	3.21E-04	6.11E-05	5.15E-05	2.91E-04	2.36E-04	4.76E-05	4.57E-05	3.56E-05	2.33E-05
5046	562660.72	4235236.33	3.54E-04	3.16E-04	6.01E-05	5.07E-05	2.86E-04	2.32E-04	4.69E-05	4.50E-05	3.50E-05	2.30E-05
5047	562654	4235229.62	3.49E-04	3.11E-04	5.92E-05	4.99E-05	2.82E-04	2.28E-04	4.62E-05	4.43E-05	3.45E-05	2.26E-05
5048	562647.27	4235222.91	3.44E-04	3.07E-04	5.83E-05	4.92E-05	2.78E-04	2.25E-04	4.55E-05	4.36E-05	3.40E-05	2.23E-05
5049	562640.55	4235216.19	3.39E-04	3.02E-04	5.75E-05	4.85E-05	2.74E-04	2.22E-04	4.48E-05	4.30E-05	3.35E-05	2.20E-05
5050	562633.82	4235209.48	3.34E-04	2.98E-04	5.67E-05	4.78E-05	2.70E-04	2.19E-04	4.42E-05	4.24E-05	3.30E-05	2.17E-05
5051	562627.1	4235202.76	3.30E-04	2.94E-04	5.59E-05	4.71E-05	2.66E-04	2.16E-04	4.36E-05	4.18E-05	3.25E-05	2.14E-05
5052	562620.37	4235196.05	3.25E-04	2.90E-04	5.52E-05	4.65E-05	2.63E-04	2.13E-04	4.30E-05	4.13E-05	3.21E-05	2.11E-05
5053	562613.65	4235189.34	3.21E-04	2.86E-04	5.44E-05	4.59E-05	2.59E-04	2.10E-04	4.24E-05	4.07E-05	3.17E-05	2.08E-05
5054	562606.92	4235182.62	3.17E-04	2.82E-04	5.37E-05	4.53E-05	2.56E-04	2.07E-04	4.19E-05	4.02E-05	3.13E-05	2.05E-05
5055	562600.2	4235175.91	3.12E-04	2.79E-04	5.30E-05	4.47E-05	2.52E-04	2.04E-04	4.13E-05	3.96E-05	3.09E-05	2.02E-05
5056	562593.48	4235169.19	3.08E-04	2.75E-04	5.23E-05	4.41E-05	2.49E-04	2.02E-04	4.08E-05	3.91E-05	3.04E-05	2.00E-05
5057	562586.75	4235162.48	3.04E-04	2.71E-04	5.16E-05	4.35E-05	2.46E-04	1.99E-04	4.02E-05	3.86E-05	3.01E-05	1.97E-05
5058	562580.03	4235155.77	3.00E-04	2.68E-04	5.10E-05	4.30E-05	2.43E-04	1.97E-04	3.97E-05	3.81E-05	2.97E-05	1.95E-05
5059	562573.3	4235149.05	2.97E-04	2.65E-04	5.03E-05	4.24E-05	2.39E-04	1.94E-04	3.92E-05	3.76E-05	2.93E-05	1.92E-05
5060	562566.58	4235142.34	2.93E-04	2.61E-04	4.97E-05	4.19E-05	2.36E-04	1.92E-04	3.87E-05	3.72E-05	2.89E-05	1.90E-05
5061	562557.92	4235126.32	2.90E-04	2.58E-04	4.92E-05	4.14E-05	2.34E-04	1.90E-04	3.83E-05	3.68E-05	2.86E-05	1.88E-05
5062	562555.99	4235117.01	2.90E-04	2.59E-04	4.92E-05	4.15E-05	2.34E-04	1.90E-04	3.84E-05	3.68E-05	2.87E-05	1.88E-05
5063	562554.06	4235107.71	2.91E-04	2.60E-04	4.94E-05	4.16E-05	2.35E-04	1.90E-04	3.85E-05	3.69E-05	2.87E-05	1.89E-05
5064	562552.13	4235098.41	2.92E-04	2.61E-04	4.96E-05	4.18E-05	2.36E-04	1.91E-04	3.86E-05	3.71E-05	2.89E-05	1.89E-05
5065	562550.2	4235089.1	2.94E-04	2.62E-04	4.98E-05	4.20E-05	2.37E-04	1.92E-04	3.88E-05	3.73E-05	2.90E-05	1.90E-05
5066	562548.27	4235079.8	2.96E-04	2.64E-04	5.02E-05	4.23E-05	2.39E-04	1.93E-04	3.91E-05	3.75E-05	2.92E-05	1.92E-05
5067	562546.34	4235070.49	2.98E-04	2.66E-04	5.06E-05	4.26E-05	2.41E-04	1.95E-04	3.94E-05	3.78E-05	2.94E-05	1.93E-05
5068	562544.41	4235061.19	3.01E-04	2.69E-04	5.11E-05	4.31E-05	2.43E-04	1.97E-04	3.98E-05	3.82E-05	2.97E-05	1.95E-05
5069	562542.48	4235051.88	3.05E-04	2.72E-04	5.17E-05	4.36E-05	2.46E-04	1.99E-04	4.03E-05	3.87E-05	3.01E-05	1.98E-05
5070	562540.55	4235042.58	3.09E-04	2.76E-04	5.25E-05	4.42E-05	2.50E-04	2.02E-04	4.09E-05	3.92E-05	3.05E-05	2.00E-05
5071	562538.62	4235033.28	3.15E-04	2.81E-04	5.34E-05	4.50E-05	2.54E-04	2.06E-04	4.16E-05	3.99E-05	3.11E-05	2.04E-05
5072	562536.69	4235023.97	3.21E-04	2.86E-04	5.44E-05	4.59E-05	2.59E-04	2.10E-04	4.24E-05	4.07E-05	3.17E-05	2.08E-05
5073	562534.76	4235014.67	3.28E-04	2.92E-04	5.56E-05	4.69E-05	2.65E-04	2.14E-04	4.33E-05	4.16E-05	3.24E-05	2.12E-05
5074	562532.83	4235005.36	3.36E-04	3.00E-04	5.70E-05	4.80E-05	2.71E-04	2.20E-04	4.44E-05	4.26E-05	3.32E-05	2.18E-05
5075	562530.89	4234996.06	3.45E-04	3.08E-04	5.85E-05	4.93E-05	2.79E-04	2.26E-04	4.56E-05	4.38E-05	3.41E-05	2.24E-05
5076	562528.96	4234986.75	3.55E-04	3.17E-04	6.03E-05	5.08E-05	2.87E-04	2.32E-04	4.70E-05	4.51E-05	3.51E-05	2.30E-05
5077	562527.03	4234977.45	3.67E-04	3.27E-04	6.22E-05	5.24E-05	2.96E-04	2.40E-04	4.85E-05	4.65E-05	3.62E-05	2.38E-05
5078	562525.1	4234968.15	3.79E-04	3.38E-04	6.44E-05	5.42E-05	3.06E-04	2.48E-04	5.02E-05	4.81E-05	3.75E-05	2.46E-05
5079	562523.17	4234958.84	3.93E-04	3.51E-04	6.67E-05	5.62E-05	3.17E-04	2.57E-04	5.20E-05	4.99E-05	3.88E-05	2.55E-05
5080	562521.24	4234949.54	4.08E-04	3.64E-04	6.93E-05	5.84E-05	3.30E-04	2.67E-04	5.40E-05	5.18E-05	4.03E-05	2.65E-05
5081	562519.31	4234940.23	4.25E-04	3.79E-04	7.21E-05	6.08E-05	3.43E-04	2.78E-04	5.62E-05	5.39E-05	4.20E-05	2.76E-05
5082	562517.38	4234930.93	4.43E-04	3.95E-04	7.52E-05	6.34E-05	3.58E-04	2.90E-04	5.86E-05	5.62E-05	4.38E-05	2.87E-05
5083	562515.45	4234921.62	4.63E-04	4.13E-04	7.85E-05	6.62E-05	3.74E-04	3.03E-04	6.12E-05	5.87E-05	4.57E-05	3.00E-05
5084	562513.52	4234912.32	4.84E-04	4.32E-04	8.21E-05	6.92E-05	3.91E-04	3.17E-04	6.40E-05	6.14E-05	4.78E-05	3.14E-05
5085	562511.59	4234903.02	5.06E-04	4.51E-04	8.59E-05	7.24E-05	4.09E-04	3.31E-04	6.69E-05	6.42E-05	5.00E-05	3.28E-05
5086	562509.66	4234893.71	5.28E-04	4.71E-04	8.95E-05	7.55E-05	4.26E-04	3.45E-04	6.98E-05	6.70E-05	5.21E-05	3.42E-05
5087	562507.73	4234884.41	5.50E-04	4.91E-04	9.33E-05	7.87E-05	4.44E-04	3.60E-04	7.27E-05	6.98E-05	5.43E-05	3.56E-05
5088	562505.8	4234875.1	5.73E-04	5.11E-04	9.72E-05	8.19E-05	4.63E-04	3.75E-04	7.58E-05	7.27E-05	5.66E-05	3.71E-05
5089	562503.87	4234865.8	5.98E-04	5.34E-04	1.02E-04	8.56E-05	4.83E-04	3.92E-04	7.91E-05	7.59E-05	5.91E-05	3.88E-05
5090	562501.94	4234856.49	6.26E-04	5.59E-04	1.06E-04	8.96E-05	5.06E-04	4.10E-04	8.28E-05	7.95E-05	6.19E-05	4.06E-05
5091	562500.01	4234847.19	6.57E-04	5.86E-04	1.11E-04	9.39E-05	5.30E-04	4.30E-04	8.68E-05	8.33E-05	6.48E-05	4.26E-05
5092	562498.08	4234837.88	6.97E-04	6.21E-04	1.18E-04	9.96E-05	5.62E-04	4.56E-04	9.21E-05	8.84E-05	6.88E-05	4.51E-05
5093	562496.14	4234828.58	7.40E-04	6.60E-04	1.26E-04	1.06E-04	5.98E-04	4.84E-04	9.79E-05	9.39E-05	7.31E-05	4.80E-05
5094	562494.21	4234819.28	7.87E-04	7.02E-04	1.34E-04	1.13E-04	6.36E-04	5.15E-04	1.04E-04	9.99E-05	7.78E-05	5.10E-05
5095	562795.21	4235370.61	5.39E-04	4.81E-04	9.14E-05	7.71E-05	4.35E-04	3.53E-04	7.13E-05	6.84E-05	5.32E-05	3.49E-05
5096	562803.66	4235375.16	5.53E-04	4.93E-04	9.38E-05	7.91E-05	4.47E-04	3.62E-04	7.31E-05	7.02E-05	5.46E-05	3.58E-05
5097	562812.11	4235379.71	5.67E-04	5.06E-04	9.63E-05	8.11E-05	4.58E-04	3.71E-04	7.50E-05	7.20E-05	5.60E-05	3.68E-05
5098	562820.56	4235384.26	5.81E-04	5.19E-04	9.87E-05	8.31E-05	4.69E-04	3.80E-04	7.69E-05	7.38E-05	5.74E-05	3.77E-05
5099	562829.02	4235388.81	5.96E-04	5.31E-04	1.01E-04	8.52E-05	4.81E-04	3.90E-04	7.88E-05	7.56E-05	5.88E-05	3.86E-05
5100	562837.47	4235393.36	6.10E-04	5.44E-04	1.03E-04	8.72E-05	4.92E-04	3.99E-04	8.06E-05	7.73E-05	6.02E-05	3.95E-05
5101	562845.92	4235397.91	6.24E-04	5.56E-04	1.06E-04	8.92E-05	5.04E-04	4.08E-04	8.25E-05	7.91E-05	6.16E-05	4.04E-05
5102	562854.37	4235402.46	6.38E-04	5.69E-04	1.08E-04	9.12E-05	5.15E-04	4.17E-04	8.44E-05	8.10E-05	6.30E-05	4.13E-05

5103	562862.82	4235407.01	6.56E-04	5.85E-04	1.11E-04	9.38E-05	5.30E-04	4.29E-04	8.68E-05	8.33E-05	6.48E-05	4.25E-05
5104	562871.27	4235411.56	6.74E-04	6.02E-04	1.14E-04	9.65E-05	5.45E-04	4.41E-04	8.92E-05	8.56E-05	6.66E-05	4.37E-05
5105	562879.72	4235416.11	6.93E-04	6.18E-04	1.18E-04	9.91E-05	5.59E-04	4.53E-04	9.16E-05	8.79E-05	6.84E-05	4.49E-05
5106	562888.18	4235420.66	7.09E-04	6.33E-04	1.20E-04	1.01E-04	5.73E-04	4.64E-04	9.38E-05	9.00E-05	7.01E-05	4.60E-05
5107	562896.63	4235425.21	7.25E-04	6.46E-04	1.23E-04	1.04E-04	5.85E-04	4.74E-04	9.58E-05	9.19E-05	7.16E-05	4.70E-05
5108	562905.08	4235429.76	7.40E-04	6.60E-04	1.26E-04	1.06E-04	5.97E-04	4.84E-04	9.79E-05	9.39E-05	7.31E-05	4.80E-05
5109	562913.53	4235434.31	7.56E-04	6.74E-04	1.28E-04	1.08E-04	6.10E-04	4.95E-04	9.99E-05	9.59E-05	7.46E-05	4.90E-05
5110	562921.98	4235438.86	7.72E-04	6.88E-04	1.31E-04	1.10E-04	6.23E-04	5.05E-04	1.02E-04	9.79E-05	7.62E-05	5.00E-05
5111	562930.43	4235443.41	7.88E-04	7.03E-04	1.34E-04	1.13E-04	6.36E-04	5.16E-04	1.04E-04	1.00E-04	7.78E-05	5.11E-05
5112	562938.88	4235447.96	8.04E-04	7.17E-04	1.36E-04	1.15E-04	6.49E-04	5.26E-04	1.06E-04	1.02E-04	7.94E-05	5.21E-05
5113	562947.34	4235452.51	8.21E-04	7.32E-04	1.39E-04	1.17E-04	6.63E-04	5.37E-04	1.09E-04	1.04E-04	8.10E-05	5.32E-05
5114	562955.79	4235457.06	8.37E-04	7.46E-04	1.42E-04	1.20E-04	6.76E-04	5.48E-04	1.11E-04	1.06E-04	8.26E-05	5.42E-05
5115	562964.24	4235461.61	8.53E-04	7.61E-04	1.45E-04	1.22E-04	6.89E-04	5.58E-04	1.13E-04	1.08E-04	8.42E-05	5.53E-05
5116	562972.69	4235466.15	8.69E-04	7.75E-04	1.47E-04	1.24E-04	7.01E-04	5.68E-04	1.15E-04	1.10E-04	8.58E-05	5.63E-05
5117	562769.63	4235399.23	4.87E-04	4.34E-04	8.26E-05	6.96E-05	3.93E-04	3.19E-04	6.44E-05	6.18E-05	4.81E-05	3.16E-05
5118	562763.01	4235392.61	4.78E-04	4.26E-04	8.10E-05	6.83E-05	3.86E-04	3.13E-04	6.32E-05	6.06E-05	4.72E-05	3.10E-05
5119	562756.39	4235386	4.68E-04	4.18E-04	7.94E-05	6.70E-05	3.78E-04	3.06E-04	6.19E-05	5.94E-05	4.62E-05	3.03E-05
5120	562749.77	4235379.39	4.59E-04	4.09E-04	7.78E-05	6.56E-05	3.70E-04	3.00E-04	6.07E-05	5.82E-05	4.53E-05	2.97E-05
5121	562743.15	4235372.78	4.49E-04	4.01E-04	7.62E-05	6.42E-05	3.63E-04	2.94E-04	5.94E-05	5.70E-05	4.44E-05	2.91E-05
5122	562736.53	4235366.17	4.39E-04	3.92E-04	7.46E-05	6.28E-05	3.55E-04	2.88E-04	5.81E-05	5.58E-05	4.34E-05	2.85E-05
5123	562729.91	4235359.56	4.30E-04	3.84E-04	7.29E-05	6.15E-05	3.47E-04	2.81E-04	5.69E-05	5.45E-05	4.25E-05	2.79E-05
5124	562723.28	4235352.95	4.20E-04	3.75E-04	7.13E-05	6.01E-05	3.39E-04	2.75E-04	5.56E-05	5.33E-05	4.15E-05	2.72E-05
5125	562716.66	4235346.34	4.11E-04	3.67E-04	6.98E-05	5.88E-05	3.32E-04	2.69E-04	5.44E-05	5.22E-05	4.06E-05	2.66E-05
5126	562710.04	4235339.73	4.02E-04	3.59E-04	6.82E-05	5.75E-05	3.25E-04	2.63E-04	5.32E-05	5.10E-05	3.97E-05	2.61E-05
5127	562703.42	4235333.12	3.93E-04	3.51E-04	6.67E-05	5.63E-05	3.18E-04	2.57E-04	5.20E-05	4.99E-05	3.88E-05	2.55E-05
5128	562696.8	4235326.51	3.85E-04	3.43E-04	6.53E-05	5.51E-05	3.11E-04	2.52E-04	5.09E-05	4.88E-05	3.80E-05	2.49E-05
5129	562690.18	4235319.9	3.77E-04	3.36E-04	6.40E-05	5.39E-05	3.04E-04	2.47E-04	4.98E-05	4.78E-05	3.72E-05	2.44E-05
5130	562683.56	4235313.29	3.69E-04	3.29E-04	6.27E-05	5.28E-05	2.98E-04	2.42E-04	4.88E-05	4.69E-05	3.65E-05	2.39E-05
5131	562676.94	4235306.68	3.62E-04	3.23E-04	6.14E-05	5.18E-05	2.92E-04	2.37E-04	4.79E-05	4.59E-05	3.58E-05	2.35E-05
5132	562670.32	4235300.07	3.55E-04	3.17E-04	6.03E-05	5.08E-05	2.87E-04	2.32E-04	4.70E-05	4.51E-05	3.51E-05	2.30E-05
5133	562663.7	4235293.46	3.49E-04	3.11E-04	5.92E-05	4.99E-05	2.82E-04	2.28E-04	4.61E-05	4.43E-05	3.44E-05	2.26E-05
5134	562657.08	4235286.85	3.43E-04	3.06E-04	5.82E-05	4.90E-05	2.77E-04	2.24E-04	4.53E-05	4.35E-05	3.39E-05	2.22E-05
5135	562650.46	4235280.24	3.37E-04	3.01E-04	5.72E-05	4.82E-05	2.72E-04	2.21E-04	4.46E-05	4.28E-05	3.33E-05	2.19E-05
5136	562643.84	4235273.63	3.32E-04	2.96E-04	5.63E-05	4.75E-05	2.68E-04	2.17E-04	4.39E-05	4.21E-05	3.28E-05	2.15E-05
5137	562637.21	4235267.02	3.27E-04	2.92E-04	5.55E-05	4.68E-05	2.64E-04	2.14E-04	4.32E-05	4.15E-05	3.23E-05	2.12E-05
5138	562630.59	4235260.41	3.22E-04	2.87E-04	5.47E-05	4.61E-05	2.60E-04	2.11E-04	4.26E-05	4.09E-05	3.18E-05	2.09E-05
5139	562623.97	4235253.79	3.18E-04	2.84E-04	5.39E-05	4.55E-05	2.57E-04	2.08E-04	4.20E-05	4.03E-05	3.14E-05	2.06E-05
5140	562617.35	4235247.18	3.14E-04	2.80E-04	5.32E-05	4.49E-05	2.53E-04	2.05E-04	4.15E-05	3.98E-05	3.10E-05	2.03E-05
5141	562610.73	4235240.57	3.10E-04	2.76E-04	5.25E-05	4.43E-05	2.50E-04	2.03E-04	4.09E-05	3.93E-05	3.06E-05	2.01E-05
5142	562604.11	4235233.96	3.06E-04	2.73E-04	5.19E-05	4.37E-05	2.47E-04	2.00E-04	4.04E-05	3.88E-05	3.02E-05	1.98E-05
5143	562597.49	4235227.35	3.02E-04	2.69E-04	5.12E-05	4.32E-05	2.44E-04	1.98E-04	3.99E-05	3.83E-05	2.98E-05	1.96E-05
5144	562590.87	4235220.74	2.98E-04	2.66E-04	5.06E-05	4.26E-05	2.41E-04	1.95E-04	3.94E-05	3.78E-05	2.94E-05	1.93E-05
5145	562584.25	4235214.13	2.95E-04	2.63E-04	5.00E-05	4.21E-05	2.38E-04	1.93E-04	3.89E-05	3.74E-05	2.91E-05	1.91E-05
5146	562577.63	4235207.52	2.91E-04	2.60E-04	4.94E-05	4.16E-05	2.35E-04	1.90E-04	3.85E-05	3.69E-05	2.87E-05	1.89E-05
5147	562571.01	4235200.91	2.87E-04	2.56E-04	4.88E-05	4.11E-05	2.32E-04	1.88E-04	3.80E-05	3.65E-05	2.84E-05	1.86E-05
5148	562564.39	4235194.3	2.84E-04	2.53E-04	4.82E-05	4.06E-05	2.29E-04	1.86E-04	3.75E-05	3.60E-05	2.80E-05	1.84E-05
5149	562557.77	4235187.69	2.80E-04	2.50E-04	4.76E-05	4.01E-05	2.26E-04	1.83E-04	3.71E-05	3.56E-05	2.77E-05	1.82E-05
5150	562551.14	4235181.08	2.77E-04	2.47E-04	4.70E-05	3.96E-05	2.24E-04	1.81E-04	3.66E-05	3.51E-05	2.73E-05	1.79E-05
5151	562544.52	4235174.47	2.73E-04	2.44E-04	4.64E-05	3.91E-05	2.21E-04	1.79E-04	3.62E-05	3.47E-05	2.70E-05	1.77E-05
5152	562537.9	4235167.86	2.70E-04	2.41E-04	4.58E-05	3.86E-05	2.18E-04	1.77E-04	3.57E-05	3.43E-05	2.67E-05	1.75E-05
5153	562531.28	4235161.25	2.67E-04	2.38E-04	4.53E-05	3.82E-05	2.16E-04	1.75E-04	3.53E-05	3.39E-05	2.64E-05	1.73E-05
5154	562522.76	4235145.48	2.64E-04	2.35E-04	4.48E-05	3.77E-05	2.13E-04	1.73E-04	3.49E-05	3.35E-05	2.61E-05	1.71E-05
5155	562520.86	4235136.32	2.64E-04	2.36E-04	4.48E-05	3.78E-05	2.13E-04	1.73E-04	3.49E-05	3.35E-05	2.61E-05	1.71E-05
5156	562518.96	4235127.16	2.65E-04	2.36E-04	4.49E-05	3.78E-05	2.14E-04	1.73E-04	3.50E-05	3.36E-05	2.61E-05	1.72E-05
5157	562517.06	4235117.99	2.65E-04	2.37E-04	4.50E-05	3.79E-05	2.14E-04	1.74E-04	3.51E-05	3.37E-05	2.62E-05	1.72E-05
5158	562515.16	4235108.83	2.66E-04	2.38E-04	4.52E-05	3.81E-05	2.15E-04	1.74E-04	3.52E-05	3.38E-05	2.63E-05	1.73E-05
5159	562513.26	4235099.67	2.68E-04	2.39E-04	4.54E-05	3.83E-05	2.16E-04	1.75E-04	3.54E-05	3.40E-05	2.64E-05	1.73E-05
5160	562511.36	4235090.51	2.69E-04	2.40E-04	4.57E-05	3.85E-05	2.17E-04	1.76E-04	3.56E-05	3.42E-05	2.66E-05	1.75E-05
5161	562509.46	4235081.35	2.71E-04	2.42E-04	4.61E-05	3.88E-05	2.19E-04	1.78E-04	3.59E-05	3.44E-05	2.68E-05	1.76E-05
5162	562507.55	4235072.19	2.74E-04	2.44E-04	4.65E-05	3.92E-05	2.21E-04	1.79E-04	3.62E-05	3.48E-05	2.71E-05	1.78E-05
5163	562505.65	4235063.03	2.77E-04	2.47E-04	4.70E-05	3.96E-05	2.24E-04	1.81E-04	3.67E-05	3.52E-05	2.74E-05	1.80E-05
5164	562503.75	4235053.87	2.81E-04	2.51E-04	4.77E-05	4.02E-05	2.27E-04	1.84E-04	3.72E-05	3.57E-05	2.78E-05	1.82E-05
5165	562501.85	4235044.71	2.86E-04	2.55E-04	4.84E-05	4.08E-05	2.31E-04	1.87E-04	3.78E-05	3.62E-05	2.82E-05	1.85E-05
5166	562499.95	4235035.55	2.91E-04	2.59E-04	4.93E-05	4.16E-05	2.35E-04	1.90E-04	3.84E-05	3.69E-05	2.87E-05	1.88E-05
5167	562498.05	4235026.39	2.97E-04	2.65E-04	5.03E-05	4.24E-05	2.40E-04	1.94E-04	3.92E-05	3.76E-05	2.93E-05	1.92E-05
5168	562496.15	4235017.23	3.04E-04	2.71E-04	5.15E-05	4.34E-05	2.45E-04	1.99E-04	4.01E-05	3.85E-05	3.00E-05	1.97E-05
5169	562494.25	4235008.07	3.11E-04	2.78E-04	5.28E-05	4.45E-05	2.51E-04	2.04E-04	4.12E-05	3.95E-05	3.07E-05	2.02E-05
5170	562492.35	4234998.9	3.20E-04	2.85E-04	5.43E-05	4.57E-05	2.58E-04	2.09E-04	4.23E-05	4.06E-05	3.16E-05	2.07E-05
5171	562490.45	4234989.74	3.29E-04	2.94E-04	5.59E-05	4.71E-05	2.66E-04	2.16E-04	4.35E-05	4.18E-05	3.25E-05	2.13E-05

5172	562488.55	4234980.58	3.40E-04	3.03E-04	5.77E-05	4.86E-05	2.74E-04	2.22E-04	4.49E-05	4.31E-05	3.36E-05	2.20E-05
5173	562486.65	4234971.42	3.51E-04	3.13E-04	5.96E-05	5.02E-05	2.84E-04	2.30E-04	4.65E-05	4.46E-05	3.47E-05	2.28E-05
5174	562484.75	4234962.26	3.64E-04	3.25E-04	6.17E-05	5.20E-05	2.94E-04	2.38E-04	4.81E-05	4.62E-05	3.59E-05	2.36E-05
5175	562482.84	4234953.1	3.78E-04	3.37E-04	6.41E-05	5.40E-05	3.05E-04	2.47E-04	4.99E-05	4.79E-05	3.73E-05	2.45E-05
5176	562480.94	4234943.94	3.92E-04	3.50E-04	6.66E-05	5.61E-05	3.17E-04	2.57E-04	5.19E-05	4.98E-05	3.88E-05	2.54E-05
5177	562479.04	4234934.78	4.08E-04	3.64E-04	6.92E-05	5.84E-05	3.29E-04	2.67E-04	5.40E-05	5.18E-05	4.03E-05	2.64E-05
5178	562477.14	4234925.62	4.23E-04	3.77E-04	7.17E-05	6.05E-05	3.41E-04	2.77E-04	5.59E-05	5.37E-05	4.18E-05	2.74E-05
5179	562475.24	4234916.46	4.38E-04	3.91E-04	7.43E-05	6.27E-05	3.54E-04	2.87E-04	5.79E-05	5.56E-05	4.33E-05	2.84E-05
5180	562473.34	4234907.3	4.54E-04	4.05E-04	7.70E-05	6.49E-05	3.66E-04	2.97E-04	6.00E-05	5.76E-05	4.48E-05	2.94E-05
5181	562471.44	4234898.14	4.72E-04	4.21E-04	8.01E-05	6.75E-05	3.81E-04	3.09E-04	6.24E-05	5.99E-05	4.66E-05	3.06E-05
5182	562469.54	4234888.98	4.92E-04	4.39E-04	8.35E-05	7.04E-05	3.97E-04	3.22E-04	6.51E-05	6.24E-05	4.86E-05	3.19E-05
5183	562467.64	4234879.81	5.14E-04	4.59E-04	8.73E-05	7.35E-05	4.15E-04	3.37E-04	6.80E-05	6.53E-05	5.08E-05	3.33E-05
5184	562465.74	4234870.65	5.42E-04	4.84E-04	9.20E-05	7.75E-05	4.38E-04	3.55E-04	7.17E-05	6.88E-05	5.35E-05	3.51E-05
5185	562463.84	4234861.49	5.75E-04	5.13E-04	9.76E-05	8.22E-05	4.64E-04	3.76E-04	7.60E-05	7.30E-05	5.68E-05	3.73E-05
5186	562461.94	4234852.33	6.10E-04	5.44E-04	1.04E-04	8.72E-05	4.93E-04	3.99E-04	8.07E-05	7.74E-05	6.02E-05	3.95E-05
5187	562460.04	4234843.17	6.44E-04	5.75E-04	1.09E-04	9.21E-05	5.20E-04	4.22E-04	8.52E-05	8.17E-05	6.36E-05	4.18E-05
5188	562458.13	4234834.01	6.76E-04	6.03E-04	1.15E-04	9.66E-05	5.46E-04	4.42E-04	8.94E-05	8.57E-05	6.67E-05	4.38E-05
5189	562456.23	4234824.85	7.08E-04	6.32E-04	1.20E-04	1.01E-04	5.72E-04	4.63E-04	9.37E-05	8.99E-05	7.00E-05	4.59E-05
5190	562454.33	4234815.69	7.42E-04	6.62E-04	1.26E-04	1.06E-04	5.99E-04	4.86E-04	9.81E-05	9.41E-05	7.33E-05	4.81E-05
5191	562776.25	4235405.84	4.96E-04	4.42E-04	8.41E-05	7.09E-05	4.00E-04	3.24E-04	6.56E-05	6.29E-05	4.90E-05	3.21E-05
5192	562784.7	4235410.39	5.08E-04	4.53E-04	8.62E-05	7.27E-05	4.10E-04	3.33E-04	6.72E-05	6.45E-05	5.02E-05	3.29E-05
5193	562793.15	4235414.93	5.20E-04	4.64E-04	8.83E-05	7.44E-05	4.20E-04	3.41E-04	6.88E-05	6.60E-05	5.14E-05	3.37E-05
5194	562801.6	4235419.48	5.32E-04	4.75E-04	9.03E-05	7.61E-05	4.30E-04	3.48E-04	7.04E-05	6.76E-05	5.26E-05	3.45E-05
5195	562810.06	4235424.03	5.44E-04	4.86E-04	9.24E-05	7.79E-05	4.40E-04	3.56E-04	7.20E-05	6.91E-05	5.38E-05	3.53E-05
5196	562818.51	4235428.58	5.56E-04	4.96E-04	9.44E-05	7.96E-05	4.49E-04	3.64E-04	7.36E-05	7.06E-05	5.49E-05	3.61E-05
5197	562826.96	4235433.13	5.68E-04	5.07E-04	9.64E-05	8.13E-05	4.59E-04	3.72E-04	7.52E-05	7.21E-05	5.61E-05	3.68E-05
5198	562835.41	4235437.68	5.80E-04	5.18E-04	9.84E-05	8.30E-05	4.68E-04	3.80E-04	7.67E-05	7.36E-05	5.73E-05	3.76E-05
5199	562843.86	4235442.23	5.92E-04	5.28E-04	1.00E-04	8.47E-05	4.78E-04	3.87E-04	7.83E-05	7.51E-05	5.85E-05	3.84E-05
5200	562852.31	4235446.78	6.04E-04	5.39E-04	1.02E-04	8.64E-05	4.88E-04	3.95E-04	7.99E-05	7.66E-05	5.97E-05	3.91E-05
5201	562860.76	4235451.33	6.19E-04	5.52E-04	1.05E-04	8.85E-05	4.99E-04	4.05E-04	8.18E-05	7.85E-05	6.11E-05	4.01E-05
5202	562869.22	4235455.88	6.33E-04	5.64E-04	1.07E-04	9.05E-05	5.11E-04	4.14E-04	8.37E-05	8.03E-05	6.25E-05	4.10E-05
5203	562877.67	4235460.43	6.46E-04	5.76E-04	1.10E-04	9.24E-05	5.22E-04	4.23E-04	8.55E-05	8.20E-05	6.38E-05	4.19E-05
5204	562886.12	4235464.98	6.59E-04	5.88E-04	1.12E-04	9.43E-05	5.32E-04	4.31E-04	8.72E-05	8.36E-05	6.51E-05	4.27E-05
5205	562894.57	4235469.53	6.73E-04	6.01E-04	1.14E-04	9.63E-05	5.44E-04	4.41E-04	8.90E-05	8.54E-05	6.65E-05	4.36E-05
5206	562903.02	4235474.08	6.89E-04	6.14E-04	1.17E-04	9.85E-05	5.56E-04	4.51E-04	9.11E-05	8.74E-05	6.80E-05	4.46E-05
5207	562911.47	4235478.63	7.05E-04	6.29E-04	1.20E-04	1.01E-04	5.70E-04	4.62E-04	9.33E-05	8.95E-05	6.97E-05	4.57E-05
5208	562919.92	4235483.18	7.20E-04	6.42E-04	1.22E-04	1.03E-04	5.81E-04	4.71E-04	9.52E-05	9.14E-05	7.11E-05	4.67E-05
5209	562928.38	4235487.73	7.34E-04	6.55E-04	1.25E-04	1.05E-04	5.93E-04	4.80E-04	9.71E-05	9.32E-05	7.25E-05	4.76E-05
5210	562936.83	4235492.28	7.48E-04	6.67E-04	1.27E-04	1.07E-04	6.04E-04	4.90E-04	9.89E-05	9.49E-05	7.39E-05	4.85E-05
5211	562945.28	4235496.83	7.62E-04	6.80E-04	1.29E-04	1.09E-04	6.15E-04	4.99E-04	1.01E-04	9.67E-05	7.53E-05	4.94E-05
5212	562953.73	4235501.38	7.76E-04	6.92E-04	1.32E-04	1.11E-04	6.27E-04	5.08E-04	1.03E-04	9.85E-05	7.66E-05	5.03E-05
5213	562750.6	4235434.37	4.50E-04	4.02E-04	7.64E-05	6.44E-05	3.64E-04	2.95E-04	5.96E-05	5.71E-05	4.45E-05	2.92E-05
5214	562743.9	4235427.69	4.42E-04	3.94E-04	7.50E-05	6.32E-05	3.57E-04	2.89E-04	5.85E-05	5.61E-05	4.37E-05	2.87E-05
5215	562737.2	4235421	4.34E-04	3.87E-04	7.36E-05	6.20E-05	3.50E-04	2.84E-04	5.74E-05	5.50E-05	4.28E-05	2.81E-05
5216	562730.51	4235414.32	4.25E-04	3.79E-04	7.22E-05	6.08E-05	3.43E-04	2.78E-04	5.62E-05	5.40E-05	4.20E-05	2.76E-05
5217	562723.81	4235407.63	4.17E-04	3.72E-04	7.07E-05	5.96E-05	3.36E-04	2.73E-04	5.51E-05	5.29E-05	4.11E-05	2.70E-05
5218	562717.12	4235400.95	4.08E-04	3.64E-04	6.92E-05	5.83E-05	3.29E-04	2.67E-04	5.39E-05	5.18E-05	4.03E-05	2.64E-05
5219	562710.42	4235394.26	3.99E-04	3.56E-04	6.77E-05	5.71E-05	3.22E-04	2.61E-04	5.28E-05	5.07E-05	3.94E-05	2.59E-05
5220	562703.73	4235387.58	3.91E-04	3.49E-04	6.63E-05	5.59E-05	3.15E-04	2.56E-04	5.17E-05	4.96E-05	3.86E-05	2.53E-05
5221	562697.03	4235380.89	3.82E-04	3.41E-04	6.49E-05	5.47E-05	3.09E-04	2.50E-04	5.05E-05	4.85E-05	3.77E-05	2.48E-05
5222	562690.34	4235374.21	3.74E-04	3.34E-04	6.35E-05	5.35E-05	3.02E-04	2.45E-04	4.95E-05	4.75E-05	3.69E-05	2.42E-05
5223	562683.64	4235367.52	3.66E-04	3.26E-04	6.21E-05	5.23E-05	2.95E-04	2.39E-04	4.84E-05	4.64E-05	3.61E-05	2.37E-05
5224	562676.94	4235360.84	3.58E-04	3.20E-04	6.08E-05	5.12E-05	2.89E-04	2.34E-04	4.74E-05	4.54E-05	3.54E-05	2.32E-05
5225	562670.25	4235354.15	3.51E-04	3.13E-04	5.95E-05	5.02E-05	2.83E-04	2.30E-04	4.64E-05	4.45E-05	3.46E-05	2.27E-05
5226	562663.55	4235347.47	3.44E-04	3.07E-04	5.83E-05	4.91E-05	2.77E-04	2.25E-04	4.54E-05	4.36E-05	3.39E-05	2.23E-05
5227	562656.86	4235340.78	3.37E-04	3.01E-04	5.72E-05	4.82E-05	2.72E-04	2.21E-04	4.46E-05	4.28E-05	3.33E-05	2.18E-05
5228	562650.16	4235334.09	3.31E-04	2.95E-04	5.61E-05	4.73E-05	2.67E-04	2.16E-04	4.37E-05	4.20E-05	3.27E-05	2.14E-05
5229	562643.47	4235327.41	3.25E-04	2.90E-04	5.51E-05	4.64E-05	2.62E-04	2.13E-04	4.29E-05	4.12E-05	3.21E-05	2.10E-05
5230	562636.77	4235320.72	3.19E-04	2.85E-04	5.42E-05	4.56E-05	2.58E-04	2.09E-04	4.22E-05	4.05E-05	3.15E-05	2.07E-05
5231	562630.08	4235314.04	3.14E-04	2.80E-04	5.33E-05	4.49E-05	2.54E-04	2.05E-04	4.15E-05	3.98E-05	3.10E-05	2.03E-05
5232	562623.38	4235307.35	3.09E-04	2.76E-04	5.24E-05	4.42E-05	2.50E-04	2.02E-04	4.09E-05	3.92E-05	3.05E-05	2.00E-05
5233	562616.68	4235300.67	3.05E-04	2.72E-04	5.17E-05	4.36E-05	2.46E-04	1.99E-04	4.03E-05	3.86E-05	3.01E-05	1.97E-05
5234	562609.99	4235293.98	3.00E-04	2.68E-04	5.10E-05	4.29E-05	2.42E-04	1.97E-04	3.97E-05	3.81E-05	2.97E-05	1.95E-05
5235	562603.29	4235287.3	2.96E-04	2.64E-04	5.03E-05	4.24E-05	2.39E-04	1.94E-04	3.92E-05	3.76E-05	2.93E-05	1.92E-05
5236	562596.6	4235280.61	2.93E-04	2.61E-04	4.96E-05	4.18E-05	2.36E-04	1.91E-04	3.87E-05	3.71E-05	2.89E-05	1.90E-05
5237	562589.9	4235273.93	2.89E-04	2.58E-04	4.90E-05	4.13E-05	2.33E-04	1.89E-04	3.82E-05	3.67E-05	2.85E-05	1.87E-05
5238	562583.21	4235267.24	2.85E-04	2.54E-04	4.84E-05	4.08E-05	2.30E-04	1.87E-04	3.77E-05	3.62E-05	2.82E-05	1.85E-05
5239	562576.51	4235260.56	2.80E-04	2.50E-04	4.75E-05	4.00E-05	2.26E-04	1.83E-04	3.70E-05	3.55E-05	2.76E-05	1.81E-05
5240	562569.82	4235253.87	2.76E-04	2.46E-04	4.68E-05	3.95E-05	2.23E-04	1.81E-04	3.65E-05	3.50E-05	2.72E-05	1.79E-05

5241	562563.12	4235247.19	2.73E-04	2.43E-04	4.63E-05	3.90E-05	2.20E-04	1.79E-04	3.61E-05	3.46E-05	2.70E-05	1.77E-05
5242	562556.43	4235240.5	2.71E-04	2.42E-04	4.60E-05	3.88E-05	2.19E-04	1.77E-04	3.58E-05	3.44E-05	2.68E-05	1.76E-05
5243	562549.73	4235233.82	2.68E-04	2.39E-04	4.55E-05	3.83E-05	2.16E-04	1.75E-04	3.54E-05	3.40E-05	2.65E-05	1.74E-05
5244	562543.03	4235227.13	2.64E-04	2.35E-04	4.47E-05	3.77E-05	2.13E-04	1.73E-04	3.49E-05	3.35E-05	2.60E-05	1.71E-05
5245	562536.34	4235220.45	2.60E-04	2.32E-04	4.42E-05	3.72E-05	2.10E-04	1.70E-04	3.44E-05	3.30E-05	2.57E-05	1.69E-05
5246	562529.64	4235213.76	2.58E-04	2.30E-04	4.38E-05	3.69E-05	2.08E-04	1.69E-04	3.41E-05	3.27E-05	2.55E-05	1.67E-05
5247	562522.95	4235207.08	2.56E-04	2.29E-04	4.35E-05	3.67E-05	2.07E-04	1.68E-04	3.39E-05	3.25E-05	2.53E-05	1.66E-05
5248	562516.25	4235200.39	2.52E-04	2.25E-04	4.27E-05	3.60E-05	2.03E-04	1.65E-04	3.33E-05	3.19E-05	2.49E-05	1.63E-05
5249	562509.56	4235193.71	2.48E-04	2.21E-04	4.21E-05	3.55E-05	2.00E-04	1.62E-04	3.28E-05	3.15E-05	2.45E-05	1.61E-05
5250	562502.86	4235187.02	2.45E-04	2.19E-04	4.16E-05	3.51E-05	1.98E-04	1.60E-04	3.24E-05	3.11E-05	2.42E-05	1.59E-05
5251	562496.17	4235180.34	2.43E-04	2.17E-04	4.13E-05	3.48E-05	1.97E-04	1.59E-04	3.22E-05	3.09E-05	2.40E-05	1.58E-05
5252	562487.55	4235164.39	2.41E-04	2.15E-04	4.08E-05	3.44E-05	1.94E-04	1.57E-04	3.18E-05	3.05E-05	2.38E-05	1.56E-05
5253	562485.63	4235155.12	2.41E-04	2.15E-04	4.09E-05	3.45E-05	1.95E-04	1.58E-04	3.19E-05	3.06E-05	2.38E-05	1.56E-05
5254	562483.7	4235145.86	2.42E-04	2.16E-04	4.11E-05	3.46E-05	1.95E-04	1.58E-04	3.20E-05	3.07E-05	2.39E-05	1.57E-05
5255	562481.78	4235136.6	2.42E-04	2.16E-04	4.11E-05	3.47E-05	1.96E-04	1.59E-04	3.21E-05	3.08E-05	2.39E-05	1.57E-05
5256	562479.86	4235127.33	2.43E-04	2.17E-04	4.12E-05	3.48E-05	1.96E-04	1.59E-04	3.21E-05	3.08E-05	2.40E-05	1.58E-05
5257	562477.94	4235118.07	2.44E-04	2.18E-04	4.14E-05	3.49E-05	1.97E-04	1.60E-04	3.23E-05	3.10E-05	2.41E-05	1.58E-05
5258	562476.01	4235108.8	2.45E-04	2.19E-04	4.16E-05	3.51E-05	1.98E-04	1.60E-04	3.24E-05	3.11E-05	2.42E-05	1.59E-05
5259	562474.09	4235099.54	2.47E-04	2.20E-04	4.19E-05	3.53E-05	1.99E-04	1.62E-04	3.26E-05	3.13E-05	2.44E-05	1.60E-05
5260	562472.17	4235090.27	2.49E-04	2.22E-04	4.22E-05	3.56E-05	2.01E-04	1.63E-04	3.29E-05	3.16E-05	2.46E-05	1.61E-05
5261	562470.25	4235081.01	2.51E-04	2.24E-04	4.26E-05	3.59E-05	2.03E-04	1.64E-04	3.32E-05	3.19E-05	2.48E-05	1.63E-05
5262	562468.33	4235071.75	2.54E-04	2.27E-04	4.31E-05	3.64E-05	2.05E-04	1.66E-04	3.36E-05	3.23E-05	2.51E-05	1.65E-05
5263	562466.4	4235062.48	2.58E-04	2.30E-04	4.37E-05	3.69E-05	2.08E-04	1.69E-04	3.41E-05	3.27E-05	2.55E-05	1.67E-05
5264	562464.48	4235053.22	2.62E-04	2.34E-04	4.44E-05	3.75E-05	2.12E-04	1.71E-04	3.46E-05	3.32E-05	2.59E-05	1.70E-05
5265	562462.56	4235043.95	2.67E-04	2.38E-04	4.53E-05	3.82E-05	2.15E-04	1.75E-04	3.53E-05	3.38E-05	2.63E-05	1.73E-05
5266	562460.64	4235034.69	2.72E-04	2.43E-04	4.62E-05	3.89E-05	2.20E-04	1.78E-04	3.60E-05	3.45E-05	2.69E-05	1.76E-05
5267	562458.71	4235025.43	2.78E-04	2.48E-04	4.73E-05	3.98E-05	2.25E-04	1.82E-04	3.68E-05	3.53E-05	2.75E-05	1.80E-05
5268	562456.79	4235016.16	2.85E-04	2.55E-04	4.84E-05	4.08E-05	2.31E-04	1.87E-04	3.78E-05	3.62E-05	2.82E-05	1.85E-05
5269	562454.87	4235006.9	2.93E-04	2.62E-04	4.98E-05	4.19E-05	2.37E-04	1.92E-04	3.88E-05	3.72E-05	2.90E-05	1.90E-05
5270	562452.95	4234997.63	3.02E-04	2.69E-04	5.12E-05	4.32E-05	2.44E-04	1.98E-04	3.99E-05	3.83E-05	2.98E-05	1.96E-05
5271	562451.03	4234988.37	3.11E-04	2.78E-04	5.28E-05	4.45E-05	2.51E-04	2.04E-04	4.12E-05	3.95E-05	3.08E-05	2.02E-05
5272	562449.1	4234979.1	3.22E-04	2.87E-04	5.46E-05	4.60E-05	2.60E-04	2.11E-04	4.25E-05	4.08E-05	3.18E-05	2.09E-05
5273	562447.18	4234969.84	3.33E-04	2.97E-04	5.65E-05	4.76E-05	2.69E-04	2.18E-04	4.40E-05	4.23E-05	3.29E-05	2.16E-05
5274	562445.26	4234960.58	3.44E-04	3.07E-04	5.84E-05	4.92E-05	2.78E-04	2.25E-04	4.55E-05	4.36E-05	3.40E-05	2.23E-05
5275	562443.34	4234951.31	3.55E-04	3.16E-04	6.02E-05	5.07E-05	2.86E-04	2.32E-04	4.69E-05	4.50E-05	3.50E-05	2.30E-05
5276	562441.41	4234942.05	3.65E-04	3.26E-04	6.20E-05	5.23E-05	2.95E-04	2.39E-04	4.83E-05	4.64E-05	3.61E-05	2.37E-05
5277	562439.49	4234932.78	3.77E-04	3.37E-04	6.41E-05	5.40E-05	3.05E-04	2.47E-04	4.99E-05	4.79E-05	3.73E-05	2.45E-05
5278	562437.57	4234923.52	3.92E-04	3.50E-04	6.65E-05	5.61E-05	3.17E-04	2.57E-04	5.19E-05	4.98E-05	3.87E-05	2.54E-05
5279	562435.65	4234914.25	4.08E-04	3.64E-04	6.93E-05	5.84E-05	3.30E-04	2.67E-04	5.40E-05	5.18E-05	4.03E-05	2.65E-05
5280	562433.73	4234904.99	4.27E-04	3.81E-04	7.24E-05	6.10E-05	3.45E-04	2.79E-04	5.64E-05	5.41E-05	4.21E-05	2.77E-05
5281	562431.8	4234895.73	4.51E-04	4.03E-04	7.66E-05	6.46E-05	3.64E-04	2.95E-04	5.97E-05	5.73E-05	4.46E-05	2.93E-05
5282	562429.88	4234886.46	4.77E-04	4.26E-04	8.10E-05	6.82E-05	3.85E-04	3.12E-04	6.31E-05	6.05E-05	4.71E-05	3.09E-05
5283	562427.96	4234877.2	5.04E-04	4.50E-04	8.55E-05	7.21E-05	4.07E-04	3.30E-04	6.67E-05	6.40E-05	4.98E-05	3.27E-05
5284	562426.04	4234867.93	5.28E-04	4.71E-04	8.97E-05	7.56E-05	4.27E-04	3.46E-04	6.99E-05	6.71E-05	5.22E-05	3.42E-05
5285	562424.11	4234858.67	5.54E-04	4.94E-04	9.39E-05	7.92E-05	4.47E-04	3.62E-04	7.32E-05	7.02E-05	5.47E-05	3.59E-05
5286	562422.19	4234849.41	5.80E-04	5.17E-04	9.84E-05	8.30E-05	4.68E-04	3.80E-04	7.67E-05	7.36E-05	5.73E-05	3.76E-05
5287	562420.27	4234840.14	6.08E-04	5.42E-04	1.03E-04	8.69E-05	4.91E-04	3.98E-04	8.04E-05	7.71E-05	6.00E-05	3.94E-05
5288	562418.35	4234830.88	6.37E-04	5.68E-04	1.08E-04	9.10E-05	5.14E-04	4.17E-04	8.42E-05	8.08E-05	6.29E-05	4.13E-05
5289	562416.43	4234821.61	6.67E-04	5.95E-04	1.13E-04	9.53E-05	5.38E-04	4.36E-04	8.81E-05	8.46E-05	6.58E-05	4.32E-05
5290	562414.5	4234812.35	6.97E-04	6.22E-04	1.18E-04	9.97E-05	5.63E-04	4.56E-04	9.22E-05	8.85E-05	6.89E-05	4.52E-05
5291	562757.29	4235441.06	4.58E-04	4.09E-04	7.78E-05	6.55E-05	3.70E-04	3.00E-04	6.06E-05	5.82E-05	4.53E-05	2.97E-05
5292	562765.74	4235445.61	4.69E-04	4.18E-04	7.96E-05	6.71E-05	3.79E-04	3.07E-04	6.20E-05	5.95E-05	4.63E-05	3.04E-05
5293	562774.19	4235450.16	4.80E-04	4.28E-04	8.14E-05	6.86E-05	3.87E-04	3.14E-04	6.34E-05	6.09E-05	4.74E-05	3.11E-05
5294	562782.64	4235454.71	4.90E-04	4.37E-04	8.32E-05	7.01E-05	3.96E-04	3.21E-04	6.48E-05	6.22E-05	4.84E-05	3.18E-05
5295	562791.1	4235459.25	5.00E-04	4.46E-04	8.49E-05	7.16E-05	4.04E-04	3.27E-04	6.62E-05	6.35E-05	4.94E-05	3.24E-05
5296	562799.55	4235463.8	5.11E-04	4.55E-04	8.66E-05	7.30E-05	4.12E-04	3.34E-04	6.75E-05	6.48E-05	5.04E-05	3.31E-05
5297	562808	4235468.35	5.21E-04	4.65E-04	8.84E-05	7.45E-05	4.20E-04	3.41E-04	6.89E-05	6.61E-05	5.14E-05	3.37E-05
5298	562816.45	4235472.9	5.31E-04	4.73E-04	9.01E-05	7.59E-05	4.29E-04	3.47E-04	7.02E-05	6.74E-05	5.24E-05	3.44E-05
5299	562824.9	4235477.45	5.41E-04	4.82E-04	9.18E-05	7.73E-05	4.37E-04	3.54E-04	7.15E-05	6.86E-05	5.34E-05	3.51E-05
5300	562833.35	4235482	5.51E-04	4.91E-04	9.35E-05	7.88E-05	4.45E-04	3.61E-04	7.29E-05	6.99E-05	5.44E-05	3.57E-05
5301	562841.8	4235486.55	5.61E-04	5.01E-04	9.52E-05	8.03E-05	4.53E-04	3.67E-04	7.42E-05	7.12E-05	5.54E-05	3.64E-05
5302	562850.26	4235491.1	5.72E-04	5.10E-04	9.70E-05	8.17E-05	4.61E-04	3.74E-04	7.56E-05	7.25E-05	5.64E-05	3.70E-05
5303	562858.71	4235495.65	5.82E-04	5.19E-04	9.88E-05	8.32E-05	4.70E-04	3.81E-04	7.70E-05	7.39E-05	5.75E-05	3.77E-05
5304	562867.16	4235500.2	5.93E-04	5.29E-04	1.01E-04	8.48E-05	4.79E-04	3.88E-04	7.84E-05	7.52E-05	5.85E-05	3.84E-05
5305	562875.61	4235504.75	6.04E-04	5.39E-04	1.02E-04	8.64E-05	4.88E-04	3.95E-04	7.99E-05	7.66E-05	5.96E-05	3.91E-05
5306	562884.06	4235509.3	6.15E-04	5.49E-04	1.04E-04	8.80E-05	4.97E-04	4.03E-04	8.14E-05	7.81E-05	6.08E-05	3.99E-05
5307	562892.51	4235513.85	6.29E-04	5.61E-04	1.07E-04	9.00E-05	5.08E-04	4.12E-04	8.32E-05	7.98E-05	6.21E-05	4.08E-05
5308	562900.96	4235518.4	6.42E-04	5.73E-04	1.09E-04	9.19E-05	5.19E-04	4.20E-04	8.49E-05	8.15E-05	6.34E-05	4.16E-05
5309	562909.42	4235522.95	6.55E-04	5.84E-04	1.11E-04	9.37E-05	5.29E-04	4.29E-04	8.66E-05	8.31E-05	6.47E-05	4.24E-05

5310	562917.87	4235527.5	6.66E-04	5.94E-04	1.13E-04	9.53E-05	5.38E-04	4.36E-04	8.81E-05	8.45E-05	6.58E-05	4.32E-05
5311	562926.32	4235532.05	6.77E-04	6.04E-04	1.15E-04	9.68E-05	5.46E-04	4.43E-04	8.95E-05	8.59E-05	6.68E-05	4.39E-05
5312	562934.77	4235536.6	6.88E-04	6.13E-04	1.17E-04	9.83E-05	5.55E-04	4.50E-04	9.09E-05	8.72E-05	6.79E-05	4.46E-05
5313	562731.57	4235469.53	4.18E-04	3.73E-04	7.10E-05	5.98E-05	3.38E-04	2.74E-04	5.53E-05	5.31E-05	4.13E-05	2.71E-05
5314	562724.8	4235462.77	4.11E-04	3.67E-04	6.97E-05	5.88E-05	3.32E-04	2.69E-04	5.43E-05	5.21E-05	4.06E-05	2.66E-05
5315	562718.04	4235456.02	4.03E-04	3.60E-04	6.85E-05	5.77E-05	3.26E-04	2.64E-04	5.34E-05	5.12E-05	3.98E-05	2.61E-05
5316	562711.28	4235449.27	3.96E-04	3.53E-04	6.72E-05	5.66E-05	3.20E-04	2.59E-04	5.23E-05	5.02E-05	3.91E-05	2.57E-05
5317	562704.51	4235442.51	3.88E-04	3.46E-04	6.58E-05	5.55E-05	3.13E-04	2.54E-04	5.13E-05	4.92E-05	3.83E-05	2.51E-05
5318	562697.75	4235435.76	3.80E-04	3.39E-04	6.45E-05	5.44E-05	3.07E-04	2.49E-04	5.03E-05	4.82E-05	3.75E-05	2.46E-05
5319	562690.99	4235429.01	3.72E-04	3.32E-04	6.32E-05	5.32E-05	3.01E-04	2.44E-04	4.92E-05	4.72E-05	3.68E-05	2.41E-05
5320	562684.23	4235422.26	3.64E-04	3.25E-04	6.18E-05	5.21E-05	2.94E-04	2.38E-04	4.82E-05	4.62E-05	3.60E-05	2.36E-05
5321	562677.46	4235415.5	3.57E-04	3.18E-04	6.05E-05	5.10E-05	2.88E-04	2.33E-04	4.72E-05	4.53E-05	3.52E-05	2.31E-05
5322	562670.7	4235408.75	3.48E-04	3.10E-04	5.91E-05	4.98E-05	2.81E-04	2.28E-04	4.60E-05	4.42E-05	3.44E-05	2.26E-05
5323	562663.94	4235402	3.39E-04	3.03E-04	5.76E-05	4.85E-05	2.74E-04	2.22E-04	4.49E-05	4.31E-05	3.35E-05	2.20E-05
5324	562657.17	4235395.25	3.32E-04	2.97E-04	5.64E-05	4.75E-05	2.68E-04	2.18E-04	4.40E-05	4.22E-05	3.28E-05	2.15E-05
5325	562650.41	4235388.49	3.27E-04	2.92E-04	5.55E-05	4.67E-05	2.64E-04	2.14E-04	4.32E-05	4.15E-05	3.23E-05	2.12E-05
5326	562643.65	4235381.74	3.21E-04	2.86E-04	5.45E-05	4.59E-05	2.59E-04	2.10E-04	4.25E-05	4.07E-05	3.17E-05	2.08E-05
5327	562636.88	4235374.99	3.13E-04	2.79E-04	5.31E-05	4.48E-05	2.53E-04	2.05E-04	4.14E-05	3.97E-05	3.09E-05	2.03E-05
5328	562630.12	4235368.24	3.07E-04	2.74E-04	5.21E-05	4.39E-05	2.48E-04	2.01E-04	4.06E-05	3.89E-05	3.03E-05	1.99E-05
5329	562623.36	4235361.48	3.02E-04	2.69E-04	5.12E-05	4.32E-05	2.44E-04	1.98E-04	3.99E-05	3.83E-05	2.98E-05	1.96E-05
5330	562616.59	4235354.73	2.98E-04	2.66E-04	5.06E-05	4.26E-05	2.41E-04	1.95E-04	3.94E-05	3.78E-05	2.94E-05	1.93E-05
5331	562609.83	4235347.98	2.92E-04	2.60E-04	4.95E-05	4.17E-05	2.36E-04	1.91E-04	3.86E-05	3.70E-05	2.88E-05	1.89E-05
5332	562603.07	4235341.22	2.85E-04	2.54E-04	4.84E-05	4.08E-05	2.30E-04	1.87E-04	3.77E-05	3.62E-05	2.81E-05	1.85E-05
5333	562596.3	4235334.47	2.78E-04	2.48E-04	4.72E-05	3.98E-05	2.25E-04	1.82E-04	3.68E-05	3.53E-05	2.75E-05	1.80E-05
5334	562589.54	4235327.72	2.72E-04	2.43E-04	4.62E-05	3.89E-05	2.20E-04	1.78E-04	3.60E-05	3.45E-05	2.69E-05	1.76E-05
5335	562582.78	4235320.97	2.68E-04	2.40E-04	4.56E-05	3.84E-05	2.17E-04	1.76E-04	3.55E-05	3.41E-05	2.65E-05	1.74E-05
5336	562576.02	4235314.21	2.66E-04	2.38E-04	4.52E-05	3.81E-05	2.15E-04	1.74E-04	3.52E-05	3.38E-05	2.63E-05	1.73E-05
5337	562569.25	4235307.46	2.64E-04	2.35E-04	4.47E-05	3.77E-05	2.13E-04	1.72E-04	3.49E-05	3.34E-05	2.60E-05	1.71E-05
5338	562562.49	4235300.71	2.60E-04	2.32E-04	4.41E-05	3.72E-05	2.10E-04	1.70E-04	3.44E-05	3.30E-05	2.57E-05	1.68E-05
5339	562555.73	4235293.96	2.55E-04	2.28E-04	4.33E-05	3.65E-05	2.06E-04	1.67E-04	3.37E-05	3.24E-05	2.52E-05	1.65E-05
5340	562548.96	4235287.2	2.52E-04	2.25E-04	4.27E-05	3.60E-05	2.03E-04	1.65E-04	3.33E-05	3.19E-05	2.49E-05	1.63E-05
5341	562542.2	4235280.45	2.49E-04	2.22E-04	4.22E-05	3.56E-05	2.01E-04	1.63E-04	3.29E-05	3.16E-05	2.46E-05	1.61E-05
5342	562535.44	4235273.7	2.46E-04	2.20E-04	4.18E-05	3.52E-05	1.99E-04	1.61E-04	3.26E-05	3.13E-05	2.43E-05	1.60E-05
5343	562528.67	4235266.95	2.44E-04	2.17E-04	4.13E-05	3.48E-05	1.97E-04	1.59E-04	3.22E-05	3.09E-05	2.41E-05	1.58E-05
5344	562521.91	4235260.19	2.41E-04	2.15E-04	4.10E-05	3.45E-05	1.95E-04	1.58E-04	3.19E-05	3.06E-05	2.38E-05	1.56E-05
5345	562515.15	4235253.44	2.40E-04	2.14E-04	4.07E-05	3.43E-05	1.94E-04	1.57E-04	3.17E-05	3.04E-05	2.37E-05	1.55E-05
5346	562508.38	4235246.69	2.37E-04	2.12E-04	4.03E-05	3.39E-05	1.92E-04	1.55E-04	3.14E-05	3.01E-05	2.34E-05	1.54E-05
5347	562501.62	4235239.94	2.34E-04	2.09E-04	3.97E-05	3.34E-05	1.89E-04	1.53E-04	3.09E-05	2.97E-05	2.31E-05	1.52E-05
5348	562494.86	4235233.18	2.30E-04	2.05E-04	3.91E-05	3.29E-05	1.86E-04	1.51E-04	3.05E-05	2.92E-05	2.27E-05	1.49E-05
5349	562488.09	4235226.43	2.29E-04	2.04E-04	3.88E-05	3.27E-05	1.85E-04	1.50E-04	3.02E-05	2.90E-05	2.26E-05	1.48E-05
5350	562481.33	4235219.68	2.27E-04	2.02E-04	3.84E-05	3.24E-05	1.83E-04	1.48E-04	3.00E-05	2.87E-05	2.24E-05	1.47E-05
5351	562474.57	4235212.92	2.23E-04	1.99E-04	3.79E-05	3.20E-05	1.80E-04	1.46E-04	2.95E-05	2.84E-05	2.21E-05	1.45E-05
5352	562467.81	4235206.17	2.20E-04	1.96E-04	3.73E-05	3.14E-05	1.77E-04	1.44E-04	2.90E-05	2.79E-05	2.17E-05	1.42E-05
5353	562461.04	4235199.42	2.18E-04	1.94E-04	3.69E-05	3.11E-05	1.76E-04	1.42E-04	2.88E-05	2.76E-05	2.15E-05	1.41E-05
5354	562452.34	4235183.31	2.15E-04	1.92E-04	3.65E-05	3.08E-05	1.74E-04	1.41E-04	2.84E-05	2.73E-05	2.12E-05	1.39E-05
5355	562450.4	4235173.95	2.15E-04	1.91E-04	3.64E-05	3.07E-05	1.73E-04	1.40E-04	2.84E-05	2.72E-05	2.12E-05	1.39E-05
5356	562448.45	4235164.59	2.16E-04	1.93E-04	3.66E-05	3.09E-05	1.74E-04	1.41E-04	2.86E-05	2.74E-05	2.13E-05	1.40E-05
5357	562446.51	4235155.24	2.17E-04	1.94E-04	3.68E-05	3.10E-05	1.75E-04	1.42E-04	2.87E-05	2.75E-05	2.14E-05	1.41E-05
5358	562444.57	4235145.88	2.18E-04	1.94E-04	3.70E-05	3.12E-05	1.76E-04	1.43E-04	2.88E-05	2.77E-05	2.15E-05	1.41E-05
5359	562442.63	4235136.52	2.18E-04	1.95E-04	3.70E-05	3.12E-05	1.76E-04	1.43E-04	2.88E-05	2.77E-05	2.15E-05	1.41E-05
5360	562440.69	4235127.16	2.19E-04	1.95E-04	3.71E-05	3.12E-05	1.76E-04	1.43E-04	2.89E-05	2.77E-05	2.16E-05	1.42E-05
5361	562438.75	4235117.8	2.19E-04	1.96E-04	3.72E-05	3.13E-05	1.77E-04	1.43E-04	2.90E-05	2.78E-05	2.16E-05	1.42E-05
5362	562436.8	4235108.45	2.20E-04	1.96E-04	3.74E-05	3.15E-05	1.78E-04	1.44E-04	2.91E-05	2.79E-05	2.17E-05	1.43E-05
5363	562434.86	4235099.09	2.22E-04	1.98E-04	3.76E-05	3.17E-05	1.79E-04	1.45E-04	2.93E-05	2.81E-05	2.19E-05	1.44E-05
5364	562432.92	4235089.73	2.24E-04	1.99E-04	3.79E-05	3.20E-05	1.81E-04	1.46E-04	2.96E-05	2.84E-05	2.21E-05	1.45E-05
5365	562430.98	4235080.37	2.28E-04	2.03E-04	3.87E-05	3.26E-05	1.84E-04	1.49E-04	3.01E-05	2.89E-05	2.25E-05	1.48E-05
5366	562429.04	4235071.02	2.33E-04	2.08E-04	3.96E-05	3.33E-05	1.88E-04	1.53E-04	3.08E-05	2.96E-05	2.30E-05	1.51E-05
5367	562427.1	4235061.66	2.39E-04	2.13E-04	4.05E-05	3.41E-05	1.93E-04	1.56E-04	3.16E-05	3.03E-05	2.36E-05	1.55E-05
5368	562425.15	4235052.3	2.44E-04	2.17E-04	4.14E-05	3.49E-05	1.97E-04	1.59E-04	3.22E-05	3.09E-05	2.41E-05	1.58E-05
5369	562423.21	4235042.94	2.48E-04	2.21E-04	4.21E-05	3.55E-05	2.00E-04	1.62E-04	3.28E-05	3.15E-05	2.45E-05	1.61E-05
5370	562421.27	4235033.58	2.53E-04	2.26E-04	4.30E-05	3.62E-05	2.05E-04	1.66E-04	3.35E-05	3.22E-05	2.50E-05	1.64E-05
5371	562419.33	4235024.23	2.59E-04	2.31E-04	4.40E-05	3.71E-05	2.09E-04	1.70E-04	3.43E-05	3.29E-05	2.56E-05	1.68E-05
5372	562417.39	4235014.87	2.66E-04	2.37E-04	4.51E-05	3.80E-05	2.15E-04	1.74E-04	3.51E-05	3.37E-05	2.62E-05	1.72E-05
5373	562415.45	4235005.51	2.73E-04	2.43E-04	4.63E-05	3.90E-05	2.20E-04	1.79E-04	3.61E-05	3.46E-05	2.69E-05	1.77E-05
5374	562413.5	4234996.15	2.81E-04	2.50E-04	4.76E-05	4.02E-05	2.27E-04	1.84E-04	3.71E-05	3.56E-05	2.77E-05	1.82E-05
5375	562411.56	4234986.8	2.92E-04	2.60E-04	4.95E-05	4.17E-05	2.35E-04	1.91E-04	3.85E-05	3.70E-05	2.88E-05	1.89E-05
5376	562409.62	4234977.44	3.03E-04	2.71E-04	5.15E-05	4.34E-05	2.45E-04	1.99E-04	4.01E-05	3.85E-05	3.00E-05	1.97E-05
5377	562407.68	4234968.08	3.17E-04	2.83E-04	5.37E-05	4.53E-05	2.56E-04	2.07E-04	4.19E-05	4.02E-05	3.13E-05	2.05E-05
5378	562405.74	4234958.72	3.29E-04	2.93E-04	5.58E-05	4.70E-05	2.66E-04	2.15E-04	4.35E-05	4.17E-05	3.25E-05	2.13E-05

5379	562403.8	4234949.36	3.42E-04	3.05E-04	5.80E-05	4.89E-05	2.76E-04	2.24E-04	4.52E-05	4.34E-05	3.38E-05	2.22E-05
5380	562401.85	4234940.01	3.55E-04	3.17E-04	6.03E-05	5.08E-05	2.87E-04	2.33E-04	4.70E-05	4.51E-05	3.51E-05	2.30E-05
5381	562399.91	4234930.65	3.70E-04	3.30E-04	6.28E-05	5.29E-05	2.99E-04	2.42E-04	4.89E-05	4.69E-05	3.65E-05	2.40E-05
5382	562397.97	4234921.29	3.86E-04	3.44E-04	6.54E-05	5.51E-05	3.11E-04	2.52E-04	5.10E-05	4.89E-05	3.81E-05	2.50E-05
5383	562396.03	4234911.93	4.02E-04	3.59E-04	6.82E-05	5.75E-05	3.25E-04	2.63E-04	5.32E-05	5.10E-05	3.97E-05	2.61E-05
5384	562394.09	4234902.58	4.20E-04	3.75E-04	7.12E-05	6.00E-05	3.39E-04	2.75E-04	5.55E-05	5.33E-05	4.15E-05	2.72E-05
5385	562392.15	4234893.22	4.39E-04	3.91E-04	7.44E-05	6.27E-05	3.54E-04	2.87E-04	5.80E-05	5.57E-05	4.33E-05	2.84E-05
5386	562390.2	4234883.86	4.58E-04	4.09E-04	7.78E-05	6.56E-05	3.70E-04	3.00E-04	6.06E-05	5.82E-05	4.53E-05	2.97E-05
5387	562388.26	4234874.5	4.79E-04	4.28E-04	8.14E-05	6.86E-05	3.87E-04	3.14E-04	6.34E-05	6.08E-05	4.74E-05	3.11E-05
5388	562386.32	4234865.14	5.02E-04	4.48E-04	8.51E-05	7.17E-05	4.05E-04	3.28E-04	6.63E-05	6.37E-05	4.95E-05	3.25E-05
5389	562384.38	4234855.79	5.25E-04	4.68E-04	8.91E-05	7.51E-05	4.24E-04	3.44E-04	6.94E-05	6.66E-05	5.18E-05	3.40E-05
5390	562382.44	4234846.43	5.49E-04	4.90E-04	9.32E-05	7.86E-05	4.44E-04	3.60E-04	7.27E-05	6.97E-05	5.43E-05	3.56E-05
5391	562380.5	4234837.07	5.75E-04	5.13E-04	9.76E-05	8.22E-05	4.64E-04	3.76E-04	7.60E-05	7.30E-05	5.68E-05	3.73E-05
5392	562378.55	4234827.71	6.02E-04	5.37E-04	1.02E-04	8.60E-05	4.86E-04	3.94E-04	7.95E-05	7.63E-05	5.94E-05	3.90E-05
5393	562376.61	4234818.36	6.29E-04	5.61E-04	1.07E-04	8.99E-05	5.08E-04	4.12E-04	8.32E-05	7.98E-05	6.21E-05	4.08E-05
5394	562374.67	4234809	6.57E-04	5.86E-04	1.12E-04	9.40E-05	5.31E-04	4.30E-04	8.69E-05	8.34E-05	6.49E-05	4.26E-05
5395	562738.33	4235476.28	4.25E-04	3.79E-04	7.22E-05	6.08E-05	3.43E-04	2.78E-04	5.62E-05	5.40E-05	4.20E-05	2.76E-05
5396	562746.78	4235480.83	4.35E-04	3.88E-04	7.38E-05	6.22E-05	3.51E-04	2.84E-04	5.75E-05	5.52E-05	4.29E-05	2.82E-05
5397	562755.23	4235485.38	4.44E-04	3.96E-04	7.53E-05	6.35E-05	3.58E-04	2.91E-04	5.87E-05	5.63E-05	4.38E-05	2.88E-05
5398	562763.68	4235489.93	4.53E-04	4.04E-04	7.69E-05	6.48E-05	3.66E-04	2.96E-04	5.99E-05	5.75E-05	4.47E-05	2.94E-05
5399	562772.14	4235494.48	4.62E-04	4.12E-04	7.84E-05	6.61E-05	3.73E-04	3.02E-04	6.11E-05	5.86E-05	4.56E-05	2.99E-05
5400	562780.59	4235499.03	4.71E-04	4.20E-04	7.99E-05	6.73E-05	3.80E-04	3.08E-04	6.23E-05	5.97E-05	4.65E-05	3.05E-05
5401	562789.04	4235503.57	4.79E-04	4.28E-04	8.14E-05	6.86E-05	3.87E-04	3.14E-04	6.34E-05	6.08E-05	4.74E-05	3.11E-05
5402	562797.49	4235508.12	4.88E-04	4.35E-04	8.28E-05	6.98E-05	3.94E-04	3.19E-04	6.46E-05	6.19E-05	4.82E-05	3.16E-05
5403	562805.94	4235512.67	4.97E-04	4.43E-04	8.43E-05	7.10E-05	4.01E-04	3.25E-04	6.57E-05	6.30E-05	4.91E-05	3.22E-05
5404	562814.39	4235517.22	5.05E-04	4.51E-04	8.57E-05	7.23E-05	4.08E-04	3.31E-04	6.68E-05	6.41E-05	4.99E-05	3.27E-05
5405	562822.84	4235521.77	5.14E-04	4.58E-04	8.72E-05	7.35E-05	4.15E-04	3.36E-04	6.80E-05	6.52E-05	5.08E-05	3.33E-05
5406	562831.3	4235526.32	5.23E-04	4.66E-04	8.87E-05	7.48E-05	4.22E-04	3.42E-04	6.91E-05	6.63E-05	5.16E-05	3.39E-05
5407	562839.75	4235530.87	5.32E-04	4.74E-04	9.02E-05	7.60E-05	4.29E-04	3.48E-04	7.03E-05	6.75E-05	5.25E-05	3.45E-05
5408	562848.2	4235535.42	5.41E-04	4.82E-04	9.18E-05	7.73E-05	4.37E-04	3.54E-04	7.15E-05	6.86E-05	5.34E-05	3.50E-05
5409	562856.65	4235539.97	5.50E-04	4.91E-04	9.33E-05	7.87E-05	4.44E-04	3.60E-04	7.27E-05	6.98E-05	5.43E-05	3.57E-05
5410	562865.1	4235544.52	5.60E-04	4.99E-04	9.50E-05	8.00E-05	4.52E-04	3.66E-04	7.40E-05	7.10E-05	5.53E-05	3.63E-05
5411	562873.55	4235549.07	5.70E-04	5.08E-04	9.66E-05	8.15E-05	4.60E-04	3.73E-04	7.53E-05	7.23E-05	5.62E-05	3.69E-05
5412	562882	4235553.62	5.80E-04	5.17E-04	9.84E-05	8.29E-05	4.68E-04	3.79E-04	7.67E-05	7.36E-05	5.72E-05	3.76E-05
5413	562890.46	4235558.17	5.90E-04	5.26E-04	1.00E-04	8.44E-05	4.76E-04	3.86E-04	7.80E-05	7.49E-05	5.83E-05	3.82E-05
5414	562898.91	4235562.72	6.01E-04	5.36E-04	1.02E-04	8.59E-05	4.85E-04	3.93E-04	7.94E-05	7.62E-05	5.93E-05	3.89E-05
5415	562907.36	4235567.27	6.11E-04	5.45E-04	1.04E-04	8.74E-05	4.94E-04	4.00E-04	8.08E-05	7.76E-05	6.04E-05	3.96E-05
5416	562915.81	4235571.82	6.22E-04	5.55E-04	1.06E-04	8.90E-05	5.02E-04	4.07E-04	8.23E-05	7.89E-05	6.14E-05	4.03E-05
5417	563257.01	4234972.2	7.73E-03	6.90E-03	1.31E-03	1.11E-03	6.24E-03	5.06E-03	1.02E-03	9.81E-04	7.64E-04	5.01E-04
5418	563263.07	4234979.98	6.92E-03	6.17E-03	1.17E-03	9.89E-04	5.58E-03	4.53E-03	9.15E-04	8.78E-04	6.83E-04	4.48E-04
5419	563246.47	4234984.42	7.92E-03	7.06E-03	1.34E-03	1.13E-03	6.39E-03	5.18E-03	1.05E-03	1.00E-03	7.82E-04	5.13E-04
5420	563271.17	4234974.77	6.55E-03	5.84E-03	1.11E-03	9.37E-04	5.29E-03	4.29E-03	8.66E-04	8.31E-04	6.47E-04	4.24E-04
5421	563269.31	4234987.69	6.21E-03	5.54E-03	1.05E-03	8.89E-04	5.02E-03	4.07E-03	8.22E-04	7.89E-04	6.14E-04	4.03E-04
5422	563260.61	4234991.45	6.60E-03	5.89E-03	1.12E-03	9.44E-04	5.33E-03	4.32E-03	8.73E-04	8.38E-04	6.52E-04	4.28E-04
5423	563247.26	4234994.31	7.32E-03	6.53E-03	1.24E-03	1.05E-03	5.91E-03	4.79E-03	9.68E-04	9.29E-04	7.23E-04	4.74E-04
5424	563237.95	4234992.49	8.04E-03	7.17E-03	1.36E-03	1.15E-03	6.49E-03	5.26E-03	1.06E-03	1.02E-03	7.94E-04	5.21E-04
5425	563275.64	4234995.35	5.62E-03	5.01E-03	9.53E-04	8.03E-04	4.53E-03	3.67E-03	7.43E-04	7.13E-04	5.55E-04	3.64E-04
5426	563266.58	4234999.28	5.97E-03	5.32E-03	1.01E-03	8.53E-04	4.82E-03	3.90E-03	7.89E-04	7.57E-04	5.89E-04	3.87E-04
5427	563257.52	4235003.2	6.31E-03	5.63E-03	1.07E-03	9.02E-04	5.09E-03	4.13E-03	8.34E-04	8.00E-04	6.23E-04	4.09E-04
5428	563248.14	4235004.21	6.78E-03	6.05E-03	1.15E-03	9.70E-04	5.47E-03	4.44E-03	8.97E-04	8.60E-04	6.70E-04	4.39E-04
5429	563238.45	4235002.32	7.43E-03	6.63E-03	1.26E-03	1.06E-03	6.00E-03	4.86E-03	9.83E-04	9.43E-04	7.34E-04	4.82E-04
5430	563284.19	4234989.94	5.33E-03	4.75E-03	9.04E-04	7.62E-04	4.30E-03	3.49E-03	7.04E-04	6.76E-04	5.26E-04	3.45E-04
5431	563282.02	4235003	5.10E-03	4.55E-03	8.65E-04	7.29E-04	4.12E-03	3.34E-03	6.74E-04	6.47E-04	5.04E-04	3.31E-04
5432	563272.7	4235007.03	5.41E-03	4.83E-03	9.19E-04	7.74E-04	4.37E-03	3.54E-03	7.16E-04	6.87E-04	5.35E-04	3.51E-04
5433	563263.38	4235011.07	5.72E-03	5.11E-03	9.71E-04	8.18E-04	4.62E-03	3.75E-03	7.57E-04	7.26E-04	5.65E-04	3.71E-04
5434	563249.08	4235014.13	6.29E-03	5.61E-03	1.07E-03	9.00E-04	5.08E-03	4.12E-03	8.32E-04	7.98E-04	6.21E-04	4.08E-04
5435	563239.11	4235012.18	6.87E-03	6.13E-03	1.17E-03	9.82E-04	5.54E-03	4.49E-03	9.08E-04	8.71E-04	6.78E-04	4.45E-04
5436	563229.14	4235010.23	7.47E-03	6.66E-03	1.27E-03	1.07E-03	6.03E-03	4.89E-03	9.88E-04	9.48E-04	7.38E-04	4.84E-04
5437	563288.44	4235010.63	4.65E-03	4.15E-03	7.90E-04	6.65E-04	3.76E-03	3.05E-03	6.15E-04	5.90E-04	4.60E-04	3.02E-04
5438	563278.92	4235014.75	4.93E-03	4.40E-03	8.37E-04	7.06E-04	3.98E-03	3.23E-03	6.53E-04	6.26E-04	4.87E-04	3.20E-04
5439	563269.41	4235018.87	5.21E-03	4.65E-03	8.84E-04	7.45E-04	4.21E-03	3.41E-03	6.89E-04	6.61E-04	5.15E-04	3.38E-04
5440	563259.89	4235022.99	5.48E-03	4.89E-03	9.30E-04	7.84E-04	4.42E-03	3.59E-03	7.25E-04	6.95E-04	5.41E-04	3.55E-04
5441	563250.05	4235024.05	5.84E-03	5.21E-03	9.91E-04	8.35E-04	4.72E-03	3.82E-03	7.73E-04	7.41E-04	5.77E-04	3.79E-04
5442	563239.87	4235022.06	6.35E-03	5.67E-03	1.08E-03	9.09E-04	5.13E-03	4.16E-03	8.40E-04	8.06E-04	6.28E-04	4.12E-04
5443	563229.69	4235020.07	6.90E-03	6.15E-03	1.17E-03	9.86E-04	5.57E-03	4.51E-03	9.12E-04	8.75E-04	6.81E-04	4.47E-04
5444	563297.22	4235005.12	4.43E-03	3.95E-03	7.51E-04	6.33E-04	3.57E-03	2.90E-03	5.85E-04	5.62E-04	4.37E-04	2.87E-04
5445	563294.88	4235018.25	4.26E-03	3.80E-03	7.24E-04	6.10E-04	3.44E-03	2.79E-03	5.64E-04	5.41E-04	4.21E-04	2.76E-04
5446	563285.21	4235022.43	4.52E-03	4.03E-03	7.66E-04	6.46E-04	3.65E-03	2.96E-03	5.97E-04	5.73E-04	4.46E-04	2.93E-04
5447	563275.54	4235026.62	4.77E-03	4.25E-03	8.09E-04	6.81E-04	3.85E-03	3.12E-03	6.30E-04	6.05E-04	4.71E-04	3.09E-04

5448	563265.88	4235030.8	5.01E-03	4.47E-03	8.50E-04	7.16E-04	4.04E-03	3.28E-03	6.62E-04	6.36E-04	4.95E-04	3.25E-04
5449	563251.04	4235033.98	5.45E-03	4.86E-03	9.25E-04	7.79E-04	4.40E-03	3.57E-03	7.21E-04	6.91E-04	5.38E-04	3.53E-04
5450	563240.7	4235031.95	5.90E-03	5.27E-03	1.00E-03	8.44E-04	4.77E-03	3.86E-03	7.81E-04	7.49E-04	5.83E-04	3.83E-04
5451	563230.37	4235029.93	6.39E-03	5.70E-03	1.08E-03	9.14E-04	5.16E-03	4.18E-03	8.45E-04	8.11E-04	6.31E-04	4.14E-04
5452	563220.03	4235027.91	6.88E-03	6.14E-03	1.17E-03	9.84E-04	5.55E-03	4.50E-03	9.10E-04	8.73E-04	6.79E-04	4.46E-04
5453	563303.73	4235012.71	4.06E-03	3.62E-03	6.89E-04	5.81E-04	3.28E-03	2.66E-03	5.37E-04	5.16E-04	4.01E-04	2.63E-04
5454	563301.77	4235025.67	3.91E-03	3.49E-03	6.64E-04	5.60E-04	3.16E-03	2.56E-03	5.17E-04	4.96E-04	3.86E-04	2.54E-04
5455	563292.88	4235029.52	4.12E-03	3.67E-03	6.99E-04	5.89E-04	3.32E-03	2.69E-03	5.44E-04	5.22E-04	4.07E-04	2.67E-04
5456	563283.98	4235033.37	4.32E-03	3.86E-03	7.33E-04	6.18E-04	3.49E-03	2.83E-03	5.72E-04	5.48E-04	4.27E-04	2.80E-04
5457	563275.08	4235037.23	4.52E-03	4.03E-03	7.67E-04	6.47E-04	3.65E-03	2.96E-03	5.98E-04	5.74E-04	4.47E-04	2.93E-04
5458	563266.18	4235041.08	4.72E-03	4.21E-03	8.01E-04	6.75E-04	3.81E-03	3.09E-03	6.24E-04	5.99E-04	4.66E-04	3.06E-04
5459	563252.53	4235044	5.08E-03	4.53E-03	8.62E-04	7.26E-04	4.10E-03	3.32E-03	6.72E-04	6.44E-04	5.01E-04	3.29E-04
5460	563243.01	4235042.14	5.45E-03	4.86E-03	9.24E-04	7.79E-04	4.40E-03	3.56E-03	7.20E-04	6.91E-04	5.38E-04	3.53E-04
5461	563233.5	4235040.28	5.84E-03	5.21E-03	9.91E-04	8.35E-04	4.71E-03	3.82E-03	7.72E-04	7.41E-04	5.77E-04	3.78E-04
5462	563223.98	4235038.42	6.24E-03	5.56E-03	1.06E-03	8.92E-04	5.04E-03	4.08E-03	8.25E-04	7.92E-04	6.16E-04	4.04E-04
5463	563214.47	4235036.56	6.63E-03	5.91E-03	1.12E-03	9.48E-04	5.35E-03	4.34E-03	8.77E-04	8.41E-04	6.55E-04	4.30E-04
5464	563308.2	4235033.3	3.61E-03	3.22E-03	6.13E-04	5.17E-04	2.92E-03	2.36E-03	4.78E-04	4.58E-04	3.57E-04	2.34E-04
5465	563299.14	4235037.22	3.80E-03	3.39E-03	6.45E-04	5.43E-04	3.07E-03	2.49E-03	5.02E-04	4.82E-04	3.75E-04	2.46E-04
5466	563290.08	4235041.14	3.98E-03	3.55E-03	6.76E-04	5.70E-04	3.22E-03	2.61E-03	5.27E-04	5.06E-04	3.93E-04	2.58E-04
5467	563281.02	4235045.06	4.17E-03	3.72E-03	7.07E-04	5.96E-04	3.36E-03	2.73E-03	5.51E-04	5.29E-04	4.12E-04	2.70E-04
5468	563271.95	4235048.99	4.35E-03	3.88E-03	7.38E-04	6.22E-04	3.51E-03	2.84E-03	5.75E-04	5.52E-04	4.29E-04	2.82E-04
5469	563262.89	4235052.91	4.52E-03	4.03E-03	7.67E-04	6.46E-04	3.65E-03	2.96E-03	5.98E-04	5.74E-04	4.46E-04	2.93E-04
5470	563253.51	4235053.92	4.76E-03	4.25E-03	8.08E-04	6.81E-04	3.84E-03	3.12E-03	6.30E-04	6.04E-04	4.70E-04	3.09E-04
5471	563243.82	4235052.03	5.10E-03	4.55E-03	8.65E-04	7.29E-04	4.11E-03	3.33E-03	6.74E-04	6.47E-04	5.03E-04	3.30E-04
5472	563234.13	4235050.13	5.45E-03	4.86E-03	9.25E-04	7.80E-04	4.40E-03	3.57E-03	7.21E-04	6.92E-04	5.39E-04	3.53E-04
5473	563224.44	4235048.24	5.81E-03	5.19E-03	9.86E-04	8.31E-04	4.69E-03	3.80E-03	7.69E-04	7.38E-04	5.74E-04	3.77E-04
5474	563214.75	4235046.34	6.17E-03	5.50E-03	1.05E-03	8.82E-04	4.98E-03	4.04E-03	8.16E-04	7.83E-04	6.09E-04	4.00E-04
5475	563316.76	4235027.89	3.46E-03	3.09E-03	5.87E-04	4.95E-04	2.79E-03	2.26E-03	4.58E-04	4.39E-04	3.42E-04	2.24E-04
5476	563321.1	4235048.53	3.11E-03	2.78E-03	5.28E-04	4.45E-04	2.51E-03	2.04E-03	4.11E-04	3.95E-04	3.07E-04	2.02E-04
5477	563311.78	4235052.56	3.26E-03	2.91E-03	5.54E-04	4.67E-04	2.63E-03	2.14E-03	4.32E-04	4.14E-04	3.22E-04	2.12E-04
5478	563302.46	4235056.6	3.42E-03	3.05E-03	5.80E-04	4.89E-04	2.76E-03	2.24E-03	4.52E-04	4.33E-04	3.37E-04	2.21E-04
5479	563293.14	4235060.63	3.57E-03	3.18E-03	6.05E-04	5.10E-04	2.88E-03	2.34E-03	4.72E-04	4.53E-04	3.52E-04	2.31E-04
5480	563283.81	4235064.67	3.72E-03	3.32E-03	6.31E-04	5.32E-04	3.00E-03	2.43E-03	4.92E-04	4.72E-04	3.67E-04	2.41E-04
5481	563274.49	4235068.7	3.87E-03	3.45E-03	6.56E-04	5.53E-04	3.12E-03	2.53E-03	5.11E-04	4.91E-04	3.82E-04	2.51E-04
5482	563265.17	4235072.74	4.01E-03	3.57E-03	6.80E-04	5.73E-04	3.24E-03	2.62E-03	5.30E-04	5.08E-04	3.96E-04	2.60E-04
5483	563255.53	4235073.78	4.22E-03	3.76E-03	7.15E-04	6.03E-04	3.40E-03	2.76E-03	5.57E-04	5.35E-04	4.16E-04	2.73E-04
5484	563245.56	4235071.83	4.50E-03	4.02E-03	7.64E-04	6.44E-04	3.64E-03	2.95E-03	5.96E-04	5.72E-04	4.45E-04	2.92E-04
5485	563235.59	4235069.88	4.80E-03	4.28E-03	8.14E-04	6.86E-04	3.87E-03	3.14E-03	6.34E-04	6.09E-04	4.74E-04	3.11E-04
5486	563225.62	4235067.93	5.09E-03	4.54E-03	8.64E-04	7.28E-04	4.11E-03	3.33E-03	6.73E-04	6.46E-04	5.03E-04	3.30E-04
5487	563215.65	4235065.99	5.38E-03	4.80E-03	9.12E-04	7.69E-04	4.34E-03	3.52E-03	7.11E-04	6.82E-04	5.31E-04	3.48E-04
5488	563205.68	4235064.04	5.65E-03	5.04E-03	9.59E-04	8.08E-04	4.56E-03	3.70E-03	7.47E-04	7.17E-04	5.58E-04	3.66E-04
5489	563329.78	4235043.06	2.99E-03	2.67E-03	5.07E-04	4.27E-04	2.41E-03	1.96E-03	3.95E-04	3.79E-04	2.95E-04	1.94E-04
5490	563334.03	4235063.75	2.71E-03	2.42E-03	4.60E-04	3.87E-04	2.19E-03	1.77E-03	3.58E-04	3.44E-04	2.68E-04	1.76E-04
5491	563324.51	4235067.87	2.84E-03	2.53E-03	4.81E-04	4.05E-04	2.29E-03	1.86E-03	3.75E-04	3.60E-04	2.80E-04	1.84E-04
5492	563315	4235071.99	2.96E-03	2.64E-03	5.03E-04	4.24E-04	2.39E-03	1.94E-03	3.92E-04	3.76E-04	2.92E-04	1.92E-04
5493	563305.48	4235076.11	3.09E-03	2.75E-03	5.24E-04	4.42E-04	2.49E-03	2.02E-03	4.08E-04	3.92E-04	3.05E-04	2.00E-04
5494	563295.97	4235080.22	3.21E-03	2.87E-03	5.45E-04	4.60E-04	2.60E-03	2.10E-03	4.25E-04	4.08E-04	3.17E-04	2.08E-04
5495	563286.45	4235084.34	3.34E-03	2.98E-03	5.67E-04	4.77E-04	2.70E-03	2.18E-03	4.42E-04	4.24E-04	3.30E-04	2.16E-04
5496	563276.93	4235088.46	3.46E-03	3.09E-03	5.87E-04	4.95E-04	2.79E-03	2.26E-03	4.58E-04	4.39E-04	3.42E-04	2.24E-04
5497	563267.42	4235092.58	3.58E-03	3.19E-03	6.07E-04	5.12E-04	2.89E-03	2.34E-03	4.73E-04	4.54E-04	3.53E-04	2.32E-04
5498	563257.57	4235093.64	3.75E-03	3.35E-03	6.37E-04	5.37E-04	3.03E-03	2.46E-03	4.96E-04	4.76E-04	3.71E-04	2.43E-04
5499	563247.4	4235091.65	4.00E-03	3.57E-03	6.78E-04	5.72E-04	3.23E-03	2.62E-03	5.29E-04	5.07E-04	3.95E-04	2.59E-04
5500	563237.22	4235089.67	4.25E-03	3.79E-03	7.21E-04	6.07E-04	3.43E-03	2.78E-03	5.62E-04	5.39E-04	4.19E-04	2.75E-04
5501	563227.04	4235087.68	4.49E-03	4.01E-03	7.63E-04	6.43E-04	3.63E-03	2.94E-03	5.94E-04	5.70E-04	4.44E-04	2.91E-04
5502	563216.87	4235085.69	4.73E-03	4.22E-03	8.02E-04	6.76E-04	3.82E-03	3.09E-03	6.25E-04	6.00E-04	4.67E-04	3.06E-04
5503	563206.69	4235083.7	4.96E-03	4.42E-03	8.41E-04	7.09E-04	4.00E-03	3.24E-03	6.55E-04	6.29E-04	4.89E-04	3.21E-04
5504	563196.51	4235081.71	5.16E-03	4.61E-03	8.76E-04	7.38E-04	4.17E-03	3.38E-03	6.83E-04	6.55E-04	5.10E-04	3.35E-04
5505	563342.81	4235058.24	2.61E-03	2.33E-03	4.43E-04	3.73E-04	2.11E-03	1.71E-03	3.45E-04	3.31E-04	2.58E-04	1.69E-04
5506	563346.98	4235078.96	2.38E-03	2.13E-03	4.04E-04	3.41E-04	1.92E-03	1.56E-03	3.15E-04	3.02E-04	2.35E-04	1.54E-04
5507	563337.31	4235083.14	2.49E-03	2.22E-03	4.22E-04	3.56E-04	2.01E-03	1.63E-03	3.29E-04	3.16E-04	2.46E-04	1.61E-04
5508	563327.64	4235087.33	2.59E-03	2.31E-03	4.40E-04	3.71E-04	2.09E-03	1.70E-03	3.43E-04	3.29E-04	2.56E-04	1.68E-04
5509	563317.98	4235091.51	2.70E-03	2.41E-03	4.58E-04	3.86E-04	2.18E-03	1.77E-03	3.57E-04	3.42E-04	2.67E-04	1.75E-04
5510	563308.31	4235095.69	2.80E-03	2.50E-03	4.76E-04	4.01E-04	2.26E-03	1.84E-03	3.71E-04	3.56E-04	2.77E-04	1.82E-04
5511	563298.64	4235099.88	2.91E-03	2.60E-03	4.94E-04	4.16E-04	2.35E-03	1.90E-03	3.85E-04	3.69E-04	2.87E-04	1.89E-04
5512	563288.98	4235104.06	3.01E-03	2.69E-03	5.11E-04	4.31E-04	2.43E-03	1.97E-03	3.99E-04	3.82E-04	2.98E-04	1.95E-04
5513	563279.31	4235108.25	3.12E-03	2.78E-03	5.29E-04	4.46E-04	2.52E-03	2.04E-03	4.12E-04	3.95E-04	3.08E-04	2.02E-04
5514	563269.64	4235112.43	3.21E-03	2.87E-03	5.45E-04	4.60E-04	2.60E-03	2.10E-03	4.25E-04	4.08E-04	3.17E-04	2.08E-04
5515	563259.64	4235113.51	3.36E-03	3.00E-03	5.71E-04	4.81E-04	2.72E-03	2.20E-03	4.45E-04	4.27E-04	3.32E-04	2.18E-04
5516	563249.3	4235111.49	3.57E-03	3.18E-03	6.05E-04	5.10E-04	2.88E-03	2.33E-03	4.71E-04	4.52E-04	3.52E-04	2.31E-04

5517	563238.97	4235109.47	3.77E-03	3.37E-03	6.40E-04	5.40E-04	3.05E-03	2.47E-03	4.99E-04	4.79E-04	3.73E-04	2.45E-04
5518	563228.63	4235107.45	3.98E-03	3.55E-03	6.76E-04	5.70E-04	3.22E-03	2.61E-03	5.27E-04	5.06E-04	3.94E-04	2.58E-04
5519	563218.29	4235105.43	4.19E-03	3.74E-03	7.11E-04	5.99E-04	3.38E-03	2.74E-03	5.54E-04	5.32E-04	4.14E-04	2.71E-04
5520	563207.95	4235103.41	4.38E-03	3.91E-03	7.44E-04	6.27E-04	3.54E-03	2.87E-03	5.79E-04	5.56E-04	4.33E-04	2.84E-04
5521	563197.61	4235101.39	4.56E-03	4.07E-03	7.74E-04	6.52E-04	3.68E-03	2.98E-03	6.03E-04	5.79E-04	4.50E-04	2.96E-04
5522	563187.28	4235099.37	4.71E-03	4.20E-03	8.00E-04	6.74E-04	3.80E-03	3.08E-03	6.23E-04	5.98E-04	4.65E-04	3.05E-04
5523	563360.18	4235094.06	2.11E-03	1.88E-03	3.58E-04	3.02E-04	1.71E-03	1.38E-03	2.79E-04	2.68E-04	2.09E-04	1.37E-04
5524	563350.85	4235098.1	2.20E-03	1.96E-03	3.73E-04	3.14E-04	1.77E-03	1.44E-03	2.90E-04	2.79E-04	2.17E-04	1.42E-04
5525	563341.53	4235102.13	2.28E-03	2.03E-03	3.87E-04	3.26E-04	1.84E-03	1.49E-03	3.02E-04	2.89E-04	2.25E-04	1.48E-04
5526	563332.21	4235106.17	2.36E-03	2.11E-03	4.01E-04	3.38E-04	1.91E-03	1.55E-03	3.13E-04	3.00E-04	2.34E-04	1.53E-04
5527	563322.89	4235110.2	2.45E-03	2.18E-03	4.16E-04	3.50E-04	1.98E-03	1.60E-03	3.24E-04	3.11E-04	2.42E-04	1.59E-04
5528	563313.57	4235114.23	2.53E-03	2.26E-03	4.30E-04	3.62E-04	2.05E-03	1.66E-03	3.35E-04	3.22E-04	2.50E-04	1.64E-04
5529	563304.25	4235118.27	2.62E-03	2.34E-03	4.44E-04	3.74E-04	2.11E-03	1.71E-03	3.46E-04	3.32E-04	2.59E-04	1.70E-04
5530	563294.92	4235122.3	2.70E-03	2.41E-03	4.59E-04	3.87E-04	2.18E-03	1.77E-03	3.57E-04	3.43E-04	2.67E-04	1.75E-04
5531	563285.6	4235126.34	2.79E-03	2.49E-03	4.73E-04	3.98E-04	2.25E-03	1.82E-03	3.68E-04	3.54E-04	2.75E-04	1.81E-04
5532	563276.28	4235130.37	2.87E-03	2.56E-03	4.87E-04	4.10E-04	2.32E-03	1.88E-03	3.79E-04	3.64E-04	2.83E-04	1.86E-04
5533	563261.98	4235133.43	3.02E-03	2.70E-03	5.13E-04	4.32E-04	2.44E-03	1.98E-03	4.00E-04	3.84E-04	2.99E-04	1.96E-04
5534	563252.01	4235131.48	3.19E-03	2.85E-03	5.41E-04	4.56E-04	2.58E-03	2.09E-03	4.22E-04	4.05E-04	3.15E-04	2.07E-04
5535	563242.04	4235129.53	3.36E-03	3.00E-03	5.70E-04	4.80E-04	2.71E-03	2.20E-03	4.44E-04	4.26E-04	3.32E-04	2.18E-04
5536	563232.07	4235127.59	3.53E-03	3.15E-03	5.99E-04	5.05E-04	2.85E-03	2.31E-03	4.67E-04	4.48E-04	3.49E-04	2.29E-04
5537	563222.1	4235125.64	3.70E-03	3.30E-03	6.28E-04	5.29E-04	2.99E-03	2.42E-03	4.89E-04	4.69E-04	3.65E-04	2.40E-04
5538	563212.13	4235123.69	3.86E-03	3.44E-03	6.55E-04	5.52E-04	3.12E-03	2.53E-03	5.11E-04	4.90E-04	3.81E-04	2.50E-04
5539	563202.16	4235121.74	4.01E-03	3.58E-03	6.80E-04	5.73E-04	3.24E-03	2.62E-03	5.30E-04	5.09E-04	3.96E-04	2.60E-04
5540	563192.2	4235119.79	4.14E-03	3.69E-03	7.03E-04	5.92E-04	3.34E-03	2.71E-03	5.48E-04	5.26E-04	4.09E-04	2.68E-04
5541	563182.23	4235117.84	4.25E-03	3.79E-03	7.22E-04	6.08E-04	3.43E-03	2.78E-03	5.62E-04	5.40E-04	4.20E-04	2.76E-04
5542	563172.26	4235115.89	4.33E-03	3.86E-03	7.34E-04	6.19E-04	3.49E-03	2.83E-03	5.72E-04	5.49E-04	4.27E-04	2.80E-04
5543	563373.13	4235109.27	1.89E-03	1.68E-03	3.20E-04	2.70E-04	1.52E-03	1.24E-03	2.50E-04	2.40E-04	1.86E-04	1.22E-04
5544	563363.68	4235113.36	1.96E-03	1.75E-03	3.32E-04	2.80E-04	1.58E-03	1.28E-03	2.59E-04	2.49E-04	1.94E-04	1.27E-04
5545	563354.22	4235117.45	2.03E-03	1.81E-03	3.45E-04	2.90E-04	1.64E-03	1.33E-03	2.69E-04	2.58E-04	2.01E-04	1.32E-04
5546	563344.76	4235121.55	2.10E-03	1.88E-03	3.57E-04	3.01E-04	1.70E-03	1.38E-03	2.78E-04	2.67E-04	2.08E-04	1.36E-04
5547	563335.31	4235125.64	2.17E-03	1.94E-03	3.69E-04	3.11E-04	1.76E-03	1.42E-03	2.88E-04	2.76E-04	2.15E-04	1.41E-04
5548	563325.85	4235129.73	2.25E-03	2.00E-03	3.81E-04	3.21E-04	1.81E-03	1.47E-03	2.97E-04	2.85E-04	2.22E-04	1.46E-04
5549	563316.39	4235133.83	2.32E-03	2.07E-03	3.94E-04	3.32E-04	1.87E-03	1.52E-03	3.07E-04	2.94E-04	2.29E-04	1.50E-04
5550	563306.94	4235137.92	2.39E-03	2.13E-03	4.06E-04	3.42E-04	1.93E-03	1.57E-03	3.16E-04	3.03E-04	2.36E-04	1.55E-04
5551	563297.48	4235142.01	2.46E-03	2.20E-03	4.18E-04	3.52E-04	1.99E-03	1.61E-03	3.26E-04	3.13E-04	2.43E-04	1.60E-04
5552	563288.02	4235146.11	2.53E-03	2.26E-03	4.30E-04	3.63E-04	2.05E-03	1.66E-03	3.35E-04	3.22E-04	2.50E-04	1.64E-04
5553	563278.57	4235150.2	2.60E-03	2.32E-03	4.41E-04	3.72E-04	2.10E-03	1.70E-03	3.44E-04	3.30E-04	2.57E-04	1.69E-04
5554	563264.05	4235153.3	2.74E-03	2.44E-03	4.64E-04	3.91E-04	2.21E-03	1.79E-03	3.62E-04	3.47E-04	2.70E-04	1.77E-04
5555	563253.94	4235151.33	2.88E-03	2.57E-03	4.89E-04	4.12E-04	2.33E-03	1.89E-03	3.81E-04	3.66E-04	2.85E-04	1.87E-04
5556	563243.83	4235149.35	3.03E-03	2.71E-03	5.15E-04	4.34E-04	2.45E-03	1.98E-03	4.01E-04	3.85E-04	3.00E-04	1.97E-04
5557	563233.71	4235147.37	3.18E-03	2.84E-03	5.40E-04	4.55E-04	2.57E-03	2.08E-03	4.21E-04	4.04E-04	3.14E-04	2.06E-04
5558	563223.6	4235145.39	3.33E-03	2.97E-03	5.65E-04	4.76E-04	2.69E-03	2.18E-03	4.40E-04	4.22E-04	3.29E-04	2.16E-04
5559	563213.49	4235143.42	3.47E-03	3.09E-03	5.88E-04	4.96E-04	2.80E-03	2.27E-03	4.59E-04	4.40E-04	3.42E-04	2.25E-04
5560	563203.38	4235141.44	3.59E-03	3.20E-03	6.09E-04	5.13E-04	2.90E-03	2.35E-03	4.75E-04	4.56E-04	3.55E-04	2.33E-04
5561	563193.26	4235139.46	3.70E-03	3.30E-03	6.28E-04	5.29E-04	2.99E-03	2.42E-03	4.89E-04	4.69E-04	3.65E-04	2.40E-04
5562	563183.15	4235137.49	3.79E-03	3.38E-03	6.43E-04	5.42E-04	3.06E-03	2.48E-03	5.01E-04	4.81E-04	3.74E-04	2.46E-04
5563	563173.04	4235135.51	3.86E-03	3.45E-03	6.55E-04	5.52E-04	3.12E-03	2.53E-03	5.11E-04	4.90E-04	3.81E-04	2.50E-04
5564	563162.92	4235133.53	3.91E-03	3.49E-03	6.63E-04	5.59E-04	3.16E-03	2.56E-03	5.17E-04	4.96E-04	3.86E-04	2.53E-04
5565	563386.1	4235124.47	1.70E-03	1.52E-03	2.88E-04	2.43E-04	1.37E-03	1.11E-03	2.25E-04	2.16E-04	1.68E-04	1.10E-04
5566	563376.53	4235128.61	1.76E-03	1.57E-03	2.99E-04	2.52E-04	1.42E-03	1.15E-03	2.33E-04	2.23E-04	1.74E-04	1.14E-04
5567	563366.96	4235132.75	1.82E-03	1.62E-03	3.09E-04	2.60E-04	1.47E-03	1.19E-03	2.41E-04	2.31E-04	1.80E-04	1.18E-04
5568	563357.39	4235136.9	1.88E-03	1.68E-03	3.19E-04	2.69E-04	1.52E-03	1.23E-03	2.49E-04	2.39E-04	1.86E-04	1.22E-04
5569	563347.82	4235141.04	1.94E-03	1.73E-03	3.29E-04	2.77E-04	1.57E-03	1.27E-03	2.56E-04	2.46E-04	1.92E-04	1.26E-04
5570	563338.25	4235145.18	2.00E-03	1.78E-03	3.39E-04	2.86E-04	1.61E-03	1.31E-03	2.64E-04	2.54E-04	1.97E-04	1.30E-04
5571	563328.68	4235149.32	2.06E-03	1.84E-03	3.50E-04	2.95E-04	1.67E-03	1.35E-03	2.73E-04	2.62E-04	2.04E-04	1.34E-04
5572	563319.11	4235153.46	2.13E-03	1.90E-03	3.61E-04	3.04E-04	1.72E-03	1.39E-03	2.81E-04	2.70E-04	2.10E-04	1.38E-04
5573	563309.54	4235157.61	2.19E-03	1.96E-03	3.72E-04	3.14E-04	1.77E-03	1.43E-03	2.90E-04	2.78E-04	2.17E-04	1.42E-04
5574	563299.97	4235161.75	2.25E-03	2.01E-03	3.83E-04	3.22E-04	1.82E-03	1.48E-03	2.98E-04	2.86E-04	2.23E-04	1.46E-04
5575	563290.4	4235165.89	2.31E-03	2.06E-03	3.93E-04	3.31E-04	1.87E-03	1.51E-03	3.06E-04	2.94E-04	2.29E-04	1.50E-04
5576	563280.83	4235170.03	2.37E-03	2.12E-03	4.03E-04	3.39E-04	1.92E-03	1.55E-03	3.14E-04	3.01E-04	2.34E-04	1.54E-04
5577	563266.14	4235173.17	2.49E-03	2.23E-03	4.23E-04	3.57E-04	2.01E-03	1.63E-03	3.30E-04	3.17E-04	2.46E-04	1.62E-04
5578	563255.91	4235171.17	2.62E-03	2.34E-03	4.45E-04	3.75E-04	2.12E-03	1.72E-03	3.47E-04	3.33E-04	2.59E-04	1.70E-04
5579	563245.67	4235169.17	2.75E-03	2.46E-03	4.67E-04	3.94E-04	2.22E-03	1.80E-03	3.64E-04	3.49E-04	2.72E-04	1.78E-04
5580	563235.44	4235167.17	2.88E-03	2.57E-03	4.89E-04	4.12E-04	2.33E-03	1.88E-03	3.81E-04	3.65E-04	2.84E-04	1.87E-04
5581	563225.21	4235165.17	3.00E-03	2.68E-03	5.09E-04	4.29E-04	2.42E-03	1.96E-03	3.97E-04	3.81E-04	2.97E-04	1.95E-04
5582	563214.97	4235163.17	3.12E-03	2.78E-03	5.30E-04	4.46E-04	2.52E-03	2.04E-03	4.13E-04	3.96E-04	3.08E-04	2.02E-04
5583	563204.74	4235161.17	3.23E-03	2.88E-03	5.48E-04	4.62E-04	2.61E-03	2.11E-03	4.27E-04	4.10E-04	3.19E-04	2.09E-04
5584	563194.5	4235159.17	3.33E-03	2.97E-03	5.65E-04	4.76E-04	2.69E-03	2.18E-03	4.40E-04	4.22E-04	3.29E-04	2.16E-04
5585	563184.27	4235157.17	3.41E-03	3.04E-03	5.78E-04	4.87E-04	2.75E-03	2.23E-03	4.51E-04	4.32E-04	3.36E-04	2.21E-04

5586	563174.03	4235155.17	3.47E-03	3.10E-03	5.90E-04	4.97E-04	2.81E-03	2.27E-03	4.60E-04	4.41E-04	3.43E-04	2.25E-04
5587	563163.8	4235153.17	3.52E-03	3.14E-03	5.98E-04	5.04E-04	2.84E-03	2.31E-03	4.66E-04	4.47E-04	3.48E-04	2.28E-04
5588	563153.56	4235151.17	3.55E-03	3.16E-03	6.02E-04	5.07E-04	2.86E-03	2.32E-03	4.69E-04	4.50E-04	3.50E-04	2.30E-04
5589	563399.08	4235139.67	1.53E-03	1.37E-03	2.60E-04	2.19E-04	1.24E-03	1.00E-03	2.03E-04	1.95E-04	1.52E-04	9.95E-05
5590	563389.41	4235143.85	1.59E-03	1.42E-03	2.69E-04	2.27E-04	1.28E-03	1.04E-03	2.10E-04	2.01E-04	1.57E-04	1.03E-04
5591	563379.74	4235148.04	1.64E-03	1.46E-03	2.78E-04	2.34E-04	1.32E-03	1.07E-03	2.17E-04	2.08E-04	1.62E-04	1.06E-04
5592	563370.08	4235152.22	1.69E-03	1.51E-03	2.87E-04	2.42E-04	1.36E-03	1.11E-03	2.24E-04	2.14E-04	1.67E-04	1.10E-04
5593	563360.41	4235156.4	1.74E-03	1.56E-03	2.96E-04	2.49E-04	1.41E-03	1.14E-03	2.31E-04	2.21E-04	1.72E-04	1.13E-04
5594	563350.74	4235160.59	1.80E-03	1.60E-03	3.05E-04	2.57E-04	1.45E-03	1.18E-03	2.38E-04	2.28E-04	1.77E-04	1.16E-04
5595	563341.08	4235164.77	1.85E-03	1.65E-03	3.14E-04	2.65E-04	1.49E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
5596	563331.41	4235168.96	1.90E-03	1.70E-03	3.23E-04	2.72E-04	1.54E-03	1.25E-03	2.52E-04	2.42E-04	1.88E-04	1.23E-04
5597	563321.74	4235173.14	1.96E-03	1.75E-03	3.32E-04	2.80E-04	1.58E-03	1.28E-03	2.59E-04	2.48E-04	1.93E-04	1.27E-04
5598	563312.08	4235177.32	2.01E-03	1.80E-03	3.41E-04	2.88E-04	1.62E-03	1.32E-03	2.66E-04	2.55E-04	1.99E-04	1.30E-04
5599	563302.41	4235181.51	2.07E-03	1.84E-03	3.51E-04	2.95E-04	1.67E-03	1.35E-03	2.73E-04	2.62E-04	2.04E-04	1.34E-04
5600	563292.74	4235185.69	2.12E-03	1.89E-03	3.60E-04	3.03E-04	1.71E-03	1.39E-03	2.80E-04	2.69E-04	2.09E-04	1.37E-04
5601	563283.08	4235189.88	2.17E-03	1.94E-03	3.68E-04	3.10E-04	1.75E-03	1.42E-03	2.87E-04	2.75E-04	2.14E-04	1.41E-04
5602	563268.24	4235193.05	2.28E-03	2.03E-03	3.86E-04	3.26E-04	1.84E-03	1.49E-03	3.01E-04	2.89E-04	2.25E-04	1.48E-04
5603	563257.9	4235191.03	2.39E-03	2.13E-03	4.06E-04	3.42E-04	1.93E-03	1.56E-03	3.16E-04	3.03E-04	2.36E-04	1.55E-04
5604	563247.57	4235189.01	2.50E-03	2.23E-03	4.25E-04	3.58E-04	2.02E-03	1.64E-03	3.31E-04	3.18E-04	2.47E-04	1.62E-04
5605	563237.23	4235186.99	2.62E-03	2.33E-03	4.44E-04	3.74E-04	2.11E-03	1.71E-03	3.46E-04	3.32E-04	2.58E-04	1.70E-04
5606	563226.89	4235184.96	2.72E-03	2.43E-03	4.62E-04	3.90E-04	2.20E-03	1.78E-03	3.60E-04	3.46E-04	2.69E-04	1.77E-04
5607	563216.55	4235182.94	2.83E-03	2.52E-03	4.79E-04	4.04E-04	2.28E-03	1.85E-03	3.74E-04	3.59E-04	2.79E-04	1.83E-04
5608	563206.21	4235180.92	2.92E-03	2.61E-03	4.96E-04	4.18E-04	2.36E-03	1.91E-03	3.87E-04	3.71E-04	2.89E-04	1.89E-04
5609	563195.88	4235178.9	3.01E-03	2.69E-03	5.11E-04	4.31E-04	2.43E-03	1.97E-03	3.98E-04	3.82E-04	2.97E-04	1.95E-04
5610	563185.54	4235176.88	3.09E-03	2.76E-03	5.24E-04	4.42E-04	2.49E-03	2.02E-03	4.08E-04	3.92E-04	3.05E-04	2.00E-04
5611	563175.2	4235174.86	3.15E-03	2.81E-03	5.35E-04	4.51E-04	2.54E-03	2.06E-03	4.17E-04	4.00E-04	3.11E-04	2.04E-04
5612	563164.86	4235172.84	3.20E-03	2.85E-03	5.42E-04	4.57E-04	2.58E-03	2.09E-03	4.23E-04	4.06E-04	3.16E-04	2.07E-04
5613	563154.53	4235170.82	3.22E-03	2.88E-03	5.47E-04	4.61E-04	2.60E-03	2.11E-03	4.26E-04	4.09E-04	3.18E-04	2.09E-04
5614	563144.19	4235168.8	3.23E-03	2.88E-03	5.48E-04	4.62E-04	2.61E-03	2.11E-03	4.27E-04	4.10E-04	3.19E-04	2.09E-04
5615	563407.93	4235134.13	1.49E-03	1.33E-03	2.53E-04	2.13E-04	1.20E-03	9.76E-04	1.97E-04	1.89E-04	1.47E-04	9.67E-05
5616	563412.22	4235154.79	1.39E-03	1.24E-03	2.36E-04	1.99E-04	1.12E-03	9.10E-04	1.84E-04	1.76E-04	1.37E-04	9.01E-05
5617	563402.8	4235158.87	1.43E-03	1.28E-03	2.43E-04	2.05E-04	1.16E-03	9.38E-04	1.90E-04	1.82E-04	1.42E-04	9.29E-05
5618	563393.37	4235162.95	1.48E-03	1.32E-03	2.51E-04	2.11E-04	1.19E-03	9.66E-04	1.95E-04	1.87E-04	1.46E-04	9.57E-05
5619	563383.95	4235167.03	1.52E-03	1.36E-03	2.58E-04	2.18E-04	1.23E-03	9.96E-04	2.01E-04	1.93E-04	1.50E-04	9.86E-05
5620	563374.52	4235171.11	1.57E-03	1.40E-03	2.66E-04	2.24E-04	1.27E-03	1.03E-03	2.07E-04	1.99E-04	1.55E-04	1.02E-04
5621	563365.1	4235175.19	1.61E-03	1.44E-03	2.74E-04	2.31E-04	1.30E-03	1.06E-03	2.14E-04	2.05E-04	1.59E-04	1.05E-04
5622	563355.67	4235179.27	1.66E-03	1.48E-03	2.81E-04	2.37E-04	1.34E-03	1.09E-03	2.19E-04	2.10E-04	1.64E-04	1.07E-04
5623	563346.25	4235183.35	1.70E-03	1.52E-03	2.89E-04	2.43E-04	1.37E-03	1.11E-03	2.25E-04	2.16E-04	1.68E-04	1.10E-04
5624	563336.82	4235187.43	1.75E-03	1.56E-03	2.96E-04	2.50E-04	1.41E-03	1.14E-03	2.31E-04	2.21E-04	1.72E-04	1.13E-04
5625	563327.4	4235191.51	1.79E-03	1.60E-03	3.04E-04	2.56E-04	1.45E-03	1.17E-03	2.37E-04	2.27E-04	1.77E-04	1.16E-04
5626	563317.97	4235195.59	1.83E-03	1.64E-03	3.11E-04	2.62E-04	1.48E-03	1.20E-03	2.43E-04	2.33E-04	1.81E-04	1.19E-04
5627	563308.55	4235199.67	1.88E-03	1.68E-03	3.19E-04	2.69E-04	1.52E-03	1.23E-03	2.49E-04	2.39E-04	1.86E-04	1.22E-04
5628	563299.12	4235203.74	1.93E-03	1.72E-03	3.27E-04	2.75E-04	1.56E-03	1.26E-03	2.55E-04	2.44E-04	1.90E-04	1.25E-04
5629	563289.7	4235207.82	1.97E-03	1.76E-03	3.34E-04	2.82E-04	1.59E-03	1.29E-03	2.61E-04	2.50E-04	1.95E-04	1.28E-04
5630	563280.27	4235211.9	2.02E-03	1.80E-03	3.42E-04	2.88E-04	1.63E-03	1.32E-03	2.67E-04	2.56E-04	1.99E-04	1.31E-04
5631	563270.52	4235212.96	2.09E-03	1.86E-03	3.54E-04	2.98E-04	1.68E-03	1.37E-03	2.76E-04	2.65E-04	2.06E-04	1.35E-04
5632	563260.44	4235210.99	2.18E-03	1.95E-03	3.70E-04	3.12E-04	1.76E-03	1.43E-03	2.89E-04	2.77E-04	2.15E-04	1.41E-04
5633	563250.36	4235209.02	2.28E-03	2.03E-03	3.87E-04	3.26E-04	1.84E-03	1.49E-03	3.01E-04	2.89E-04	2.25E-04	1.48E-04
5634	563240.28	4235207.05	2.37E-03	2.12E-03	4.03E-04	3.40E-04	1.92E-03	1.55E-03	3.14E-04	3.01E-04	2.35E-04	1.54E-04
5635	563230.2	4235205.08	2.47E-03	2.20E-03	4.19E-04	3.53E-04	1.99E-03	1.62E-03	3.27E-04	3.13E-04	2.44E-04	1.60E-04
5636	563220.12	4235203.11	2.56E-03	2.28E-03	4.35E-04	3.66E-04	2.07E-03	1.68E-03	3.39E-04	3.25E-04	2.53E-04	1.66E-04
5637	563210.04	4235201.14	2.65E-03	2.36E-03	4.49E-04	3.79E-04	2.14E-03	1.73E-03	3.50E-04	3.36E-04	2.61E-04	1.72E-04
5638	563199.96	4235199.16	2.73E-03	2.43E-03	4.63E-04	3.90E-04	2.20E-03	1.78E-03	3.60E-04	3.46E-04	2.69E-04	1.77E-04
5639	563189.89	4235197.19	2.80E-03	2.49E-03	4.74E-04	4.00E-04	2.26E-03	1.83E-03	3.70E-04	3.55E-04	2.76E-04	1.81E-04
5640	563179.81	4235195.22	2.85E-03	2.55E-03	4.84E-04	4.08E-04	2.30E-03	1.87E-03	3.78E-04	3.62E-04	2.82E-04	1.85E-04
5641	563169.73	4235193.25	2.90E-03	2.59E-03	4.92E-04	4.15E-04	2.34E-03	1.90E-03	3.84E-04	3.68E-04	2.87E-04	1.88E-04
5642	563159.65	4235191.28	2.93E-03	2.62E-03	4.98E-04	4.20E-04	2.37E-03	1.92E-03	3.88E-04	3.72E-04	2.90E-04	1.90E-04
5643	563149.57	4235189.31	2.95E-03	2.63E-03	5.01E-04	4.22E-04	2.38E-03	1.93E-03	3.90E-04	3.74E-04	2.91E-04	1.91E-04
5644	563139.49	4235187.34	2.95E-03	2.63E-03	5.01E-04	4.22E-04	2.38E-03	1.93E-03	3.90E-04	3.74E-04	2.91E-04	1.91E-04
5645	563420.96	4235149.3	1.36E-03	1.21E-03	2.30E-04	1.94E-04	1.10E-03	8.88E-04	1.79E-04	1.72E-04	1.34E-04	8.79E-05
5646	563425.2	4235169.99	1.27E-03	1.13E-03	2.15E-04	1.81E-04	1.02E-03	8.29E-04	1.68E-04	1.61E-04	1.25E-04	8.21E-05
5647	563415.69	4235174.11	1.30E-03	1.16E-03	2.21E-04	1.87E-04	1.05E-03	8.53E-04	1.72E-04	1.65E-04	1.29E-04	8.45E-05
5648	563406.17	4235178.23	1.34E-03	1.20E-03	2.28E-04	1.92E-04	1.08E-03	8.78E-04	1.77E-04	1.70E-04	1.32E-04	8.69E-05
5649	563396.66	4235182.34	1.38E-03	1.23E-03	2.34E-04	1.97E-04	1.11E-03	9.02E-04	1.82E-04	1.75E-04	1.36E-04	8.93E-05
5650	563387.14	4235186.46	1.42E-03	1.26E-03	2.40E-04	2.03E-04	1.14E-03	9.27E-04	1.87E-04	1.80E-04	1.40E-04	9.19E-05
5651	563377.63	4235190.58	1.46E-03	1.30E-03	2.47E-04	2.09E-04	1.18E-03	9.54E-04	1.93E-04	1.85E-04	1.44E-04	9.45E-05
5652	563368.11	4235194.7	1.50E-03	1.34E-03	2.54E-04	2.14E-04	1.21E-03	9.81E-04	1.98E-04	1.90E-04	1.48E-04	9.71E-05
5653	563358.59	4235198.82	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.01E-03	2.03E-04	1.95E-04	1.52E-04	9.97E-05
5654	563349.08	4235202.94	1.58E-03	1.41E-03	2.67E-04	2.25E-04	1.27E-03	1.03E-03	2.08E-04	2.00E-04	1.56E-04	1.02E-04

5655	563339.56	4235207.06	1.61E-03	1.44E-03	2.74E-04	2.31E-04	1.30E-03	1.06E-03	2.13E-04	2.05E-04	1.59E-04	1.05E-04
5656	563330.05	4235211.18	1.65E-03	1.47E-03	2.81E-04	2.36E-04	1.34E-03	1.08E-03	2.19E-04	2.10E-04	1.63E-04	1.07E-04
5657	563320.53	4235215.29	1.69E-03	1.51E-03	2.87E-04	2.42E-04	1.37E-03	1.11E-03	2.24E-04	2.15E-04	1.67E-04	1.10E-04
5658	563311.01	4235219.41	1.73E-03	1.55E-03	2.94E-04	2.48E-04	1.40E-03	1.13E-03	2.29E-04	2.20E-04	1.71E-04	1.12E-04
5659	563301.5	4235223.53	1.78E-03	1.58E-03	3.01E-04	2.54E-04	1.43E-03	1.16E-03	2.35E-04	2.25E-04	1.75E-04	1.15E-04
5660	563291.98	4235227.65	1.82E-03	1.62E-03	3.08E-04	2.60E-04	1.47E-03	1.19E-03	2.40E-04	2.31E-04	1.80E-04	1.18E-04
5661	563282.47	4235231.77	1.86E-03	1.66E-03	3.16E-04	2.66E-04	1.50E-03	1.22E-03	2.46E-04	2.36E-04	1.84E-04	1.21E-04
5662	563272.62	4235232.83	1.93E-03	1.72E-03	3.27E-04	2.75E-04	1.56E-03	1.26E-03	2.55E-04	2.44E-04	1.90E-04	1.25E-04
5663	563262.45	4235230.84	2.01E-03	1.79E-03	3.41E-04	2.88E-04	1.62E-03	1.32E-03	2.66E-04	2.55E-04	1.99E-04	1.30E-04
5664	563252.27	4235228.85	2.10E-03	1.87E-03	3.56E-04	3.00E-04	1.69E-03	1.37E-03	2.77E-04	2.66E-04	2.07E-04	1.36E-04
5665	563242.09	4235226.86	2.18E-03	1.95E-03	3.70E-04	3.12E-04	1.76E-03	1.43E-03	2.89E-04	2.77E-04	2.16E-04	1.41E-04
5666	563231.92	4235224.88	2.27E-03	2.02E-03	3.85E-04	3.24E-04	1.83E-03	1.48E-03	3.00E-04	2.88E-04	2.24E-04	1.47E-04
5667	563221.74	4235222.89	2.35E-03	2.10E-03	3.99E-04	3.36E-04	1.90E-03	1.54E-03	3.11E-04	2.98E-04	2.32E-04	1.52E-04
5668	563211.56	4235220.9	2.43E-03	2.16E-03	4.12E-04	3.47E-04	1.96E-03	1.59E-03	3.21E-04	3.08E-04	2.40E-04	1.57E-04
5669	563201.39	4235218.91	2.50E-03	2.23E-03	4.24E-04	3.57E-04	2.02E-03	1.63E-03	3.30E-04	3.17E-04	2.47E-04	1.62E-04
5670	563191.21	4235216.92	2.56E-03	2.28E-03	4.34E-04	3.66E-04	2.07E-03	1.67E-03	3.38E-04	3.25E-04	2.53E-04	1.66E-04
5671	563181.04	4235214.93	2.61E-03	2.33E-03	4.43E-04	3.74E-04	2.11E-03	1.71E-03	3.46E-04	3.32E-04	2.58E-04	1.69E-04
5672	563170.86	4235212.94	2.66E-03	2.37E-03	4.51E-04	3.80E-04	2.15E-03	1.74E-03	3.51E-04	3.37E-04	2.62E-04	1.72E-04
5673	563160.68	4235210.95	2.69E-03	2.40E-03	4.56E-04	3.84E-04	2.17E-03	1.76E-03	3.56E-04	3.41E-04	2.65E-04	1.74E-04
5674	563150.51	4235208.96	2.71E-03	2.41E-03	4.59E-04	3.87E-04	2.19E-03	1.77E-03	3.58E-04	3.43E-04	2.67E-04	1.75E-04
5675	563140.33	4235206.97	2.71E-03	2.42E-03	4.60E-04	3.88E-04	2.19E-03	1.77E-03	3.59E-04	3.44E-04	2.68E-04	1.76E-04
5676	563130.15	4235204.98	2.70E-03	2.41E-03	4.58E-04	3.86E-04	2.18E-03	1.77E-03	3.57E-04	3.43E-04	2.67E-04	1.75E-04
5677	563433.98	4235164.48	1.24E-03	1.10E-03	2.10E-04	1.77E-04	9.99E-04	8.09E-04	1.64E-04	1.57E-04	1.22E-04	8.02E-05
5678	563438.19	4235185.18	1.16E-03	1.03E-03	1.97E-04	1.66E-04	9.35E-04	7.58E-04	1.53E-04	1.47E-04	1.14E-04	7.51E-05
5679	563428.59	4235189.34	1.19E-03	1.06E-03	2.02E-04	1.70E-04	9.62E-04	7.80E-04	1.58E-04	1.51E-04	1.18E-04	7.72E-05
5680	563419	4235193.49	1.22E-03	1.09E-03	2.08E-04	1.75E-04	9.88E-04	8.01E-04	1.62E-04	1.55E-04	1.21E-04	7.93E-05
5681	563409.4	4235197.64	1.26E-03	1.12E-03	2.13E-04	1.80E-04	1.01E-03	8.22E-04	1.66E-04	1.59E-04	1.24E-04	8.14E-05
5682	563399.81	4235201.8	1.29E-03	1.15E-03	2.18E-04	1.84E-04	1.04E-03	8.43E-04	1.70E-04	1.63E-04	1.27E-04	8.34E-05
5683	563390.21	4235205.95	1.32E-03	1.18E-03	2.24E-04	1.89E-04	1.07E-03	8.64E-04	1.75E-04	1.68E-04	1.30E-04	8.56E-05
5684	563380.61	4235210.1	1.36E-03	1.21E-03	2.30E-04	1.94E-04	1.10E-03	8.89E-04	1.80E-04	1.72E-04	1.34E-04	8.80E-05
5685	563371.02	4235214.26	1.39E-03	1.24E-03	2.37E-04	1.99E-04	1.13E-03	9.12E-04	1.84E-04	1.77E-04	1.38E-04	9.03E-05
5686	563361.42	4235218.41	1.43E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.35E-04	1.89E-04	1.81E-04	1.41E-04	9.26E-05
5687	563351.83	4235222.56	1.46E-03	1.30E-03	2.48E-04	2.09E-04	1.18E-03	9.57E-04	1.93E-04	1.86E-04	1.44E-04	9.48E-05
5688	563342.23	4235226.72	1.50E-03	1.34E-03	2.54E-04	2.14E-04	1.21E-03	9.79E-04	1.98E-04	1.90E-04	1.48E-04	9.70E-05
5689	563332.64	4235230.87	1.53E-03	1.37E-03	2.60E-04	2.19E-04	1.24E-03	1.00E-03	2.03E-04	1.94E-04	1.51E-04	9.93E-05
5690	563323.04	4235235.02	1.57E-03	1.40E-03	2.66E-04	2.24E-04	1.27E-03	1.03E-03	2.07E-04	1.99E-04	1.55E-04	1.02E-04
5691	563313.44	4235239.18	1.60E-03	1.43E-03	2.72E-04	2.30E-04	1.30E-03	1.05E-03	2.12E-04	2.04E-04	1.59E-04	1.04E-04
5692	563303.85	4235243.33	1.64E-03	1.47E-03	2.79E-04	2.35E-04	1.33E-03	1.08E-03	2.17E-04	2.09E-04	1.62E-04	1.06E-04
5693	563294.25	4235247.48	1.68E-03	1.50E-03	2.86E-04	2.41E-04	1.36E-03	1.10E-03	2.23E-04	2.14E-04	1.66E-04	1.09E-04
5694	563284.66	4235251.63	1.72E-03	1.54E-03	2.92E-04	2.46E-04	1.39E-03	1.13E-03	2.28E-04	2.18E-04	1.70E-04	1.12E-04
5695	563274.73	4235252.71	1.78E-03	1.59E-03	3.02E-04	2.54E-04	1.44E-03	1.16E-03	2.35E-04	2.26E-04	1.76E-04	1.15E-04
5696	563264.47	4235250.7	1.85E-03	1.65E-03	3.15E-04	2.65E-04	1.50E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
5697	563254.21	4235248.7	1.93E-03	1.72E-03	3.28E-04	2.76E-04	1.56E-03	1.26E-03	2.55E-04	2.45E-04	1.91E-04	1.25E-04
5698	563243.94	4235246.69	2.01E-03	1.79E-03	3.41E-04	2.87E-04	1.62E-03	1.31E-03	2.66E-04	2.55E-04	1.98E-04	1.30E-04
5699	563233.68	4235244.68	2.09E-03	1.86E-03	3.54E-04	2.98E-04	1.68E-03	1.36E-03	2.76E-04	2.65E-04	2.06E-04	1.35E-04
5700	563223.42	4235242.68	2.16E-03	1.93E-03	3.66E-04	3.09E-04	1.74E-03	1.41E-03	2.85E-04	2.74E-04	2.13E-04	1.40E-04
5701	563213.16	4235240.67	2.23E-03	1.99E-03	3.78E-04	3.19E-04	1.80E-03	1.46E-03	2.95E-04	2.83E-04	2.20E-04	1.44E-04
5702	563202.9	4235238.67	2.29E-03	2.05E-03	3.89E-04	3.28E-04	1.85E-03	1.50E-03	3.03E-04	2.91E-04	2.27E-04	1.49E-04
5703	563192.63	4235236.66	2.35E-03	2.10E-03	3.99E-04	3.36E-04	1.90E-03	1.54E-03	3.11E-04	2.98E-04	2.32E-04	1.52E-04
5704	563182.37	4235234.65	2.40E-03	2.14E-03	4.08E-04	3.44E-04	1.94E-03	1.57E-03	3.18E-04	3.05E-04	2.37E-04	1.56E-04
5705	563172.11	4235232.65	2.44E-03	2.18E-03	4.14E-04	3.49E-04	1.97E-03	1.60E-03	3.23E-04	3.10E-04	2.41E-04	1.58E-04
5706	563161.85	4235230.64	2.47E-03	2.21E-03	4.20E-04	3.54E-04	2.00E-03	1.62E-03	3.27E-04	3.14E-04	2.44E-04	1.60E-04
5707	563151.59	4235228.64	2.49E-03	2.22E-03	4.23E-04	3.56E-04	2.01E-03	1.63E-03	3.29E-04	3.16E-04	2.46E-04	1.61E-04
5708	563141.33	4235226.63	2.49E-03	2.22E-03	4.23E-04	3.56E-04	2.01E-03	1.63E-03	3.30E-04	3.16E-04	2.46E-04	1.62E-04
5709	563131.06	4235224.62	2.48E-03	2.21E-03	4.21E-04	3.55E-04	2.00E-03	1.62E-03	3.28E-04	3.15E-04	2.45E-04	1.61E-04
5710	563120.8	4235222.62	2.46E-03	2.19E-03	4.17E-04	3.52E-04	1.99E-03	1.61E-03	3.25E-04	3.12E-04	2.43E-04	1.59E-04
5711	563447.01	4235179.66	1.13E-03	1.01E-03	1.92E-04	1.62E-04	9.14E-04	7.41E-04	1.50E-04	1.44E-04	1.12E-04	7.34E-05
5712	563464.3	4235215.51	9.80E-04	8.74E-04	1.66E-04	1.40E-04	7.91E-04	6.41E-04	1.30E-04	1.24E-04	9.68E-05	6.35E-05
5713	563454.82	4235219.62	1.00E-03	8.96E-04	1.71E-04	1.44E-04	8.11E-04	6.58E-04	1.33E-04	1.28E-04	9.92E-05	6.51E-05
5714	563445.34	4235223.72	1.03E-03	9.19E-04	1.75E-04	1.47E-04	8.31E-04	6.74E-04	1.36E-04	1.31E-04	1.02E-04	6.67E-05
5715	563435.85	4235227.82	1.05E-03	9.40E-04	1.79E-04	1.51E-04	8.51E-04	6.90E-04	1.39E-04	1.34E-04	1.04E-04	6.83E-05
5716	563426.37	4235231.93	1.08E-03	9.62E-04	1.83E-04	1.54E-04	8.70E-04	7.05E-04	1.43E-04	1.37E-04	1.06E-04	6.99E-05
5717	563416.89	4235236.03	1.10E-03	9.85E-04	1.87E-04	1.58E-04	8.92E-04	7.23E-04	1.46E-04	1.40E-04	1.09E-04	7.16E-05
5718	563407.41	4235240.13	1.13E-03	1.01E-03	1.92E-04	1.62E-04	9.14E-04	7.41E-04	1.50E-04	1.44E-04	1.12E-04	7.34E-05
5719	563397.93	4235244.24	1.16E-03	1.03E-03	1.97E-04	1.66E-04	9.36E-04	7.59E-04	1.53E-04	1.47E-04	1.15E-04	7.51E-05
5720	563388.45	4235248.34	1.18E-03	1.06E-03	2.01E-04	1.69E-04	9.57E-04	7.75E-04	1.57E-04	1.50E-04	1.17E-04	7.68E-05
5721	563378.97	4235252.44	1.21E-03	1.08E-03	2.05E-04	1.73E-04	9.77E-04	7.92E-04	1.60E-04	1.53E-04	1.19E-04	7.84E-05
5722	563369.49	4235256.55	1.23E-03	1.10E-03	2.10E-04	1.77E-04	9.97E-04	8.08E-04	1.63E-04	1.57E-04	1.22E-04	8.00E-05
5723	563360.01	4235260.65	1.26E-03	1.13E-03	2.14E-04	1.80E-04	1.02E-03	8.25E-04	1.67E-04	1.60E-04	1.25E-04	8.17E-05

5724	563350.53	4235264.76	1.29E-03	1.15E-03	2.19E-04	1.84E-04	1.04E-03	8.43E-04	1.70E-04	1.63E-04	1.27E-04	8.35E-05
5725	563341.05	4235268.86	1.32E-03	1.17E-03	2.23E-04	1.88E-04	1.06E-03	8.62E-04	1.74E-04	1.67E-04	1.30E-04	8.53E-05
5726	563331.56	4235272.96	1.35E-03	1.20E-03	2.29E-04	1.93E-04	1.09E-03	8.82E-04	1.78E-04	1.71E-04	1.33E-04	8.73E-05
5727	563322.08	4235277.07	1.38E-03	1.23E-03	2.34E-04	1.97E-04	1.11E-03	9.03E-04	1.82E-04	1.75E-04	1.36E-04	8.94E-05
5728	563312.6	4235281.17	1.41E-03	1.26E-03	2.39E-04	2.02E-04	1.14E-03	9.23E-04	1.87E-04	1.79E-04	1.39E-04	9.14E-05
5729	563303.12	4235285.27	1.44E-03	1.29E-03	2.45E-04	2.06E-04	1.16E-03	9.43E-04	1.91E-04	1.83E-04	1.42E-04	9.34E-05
5730	563293.64	4235289.38	1.47E-03	1.31E-03	2.50E-04	2.10E-04	1.19E-03	9.63E-04	1.95E-04	1.87E-04	1.45E-04	9.54E-05
5731	563279.09	4235292.49	1.53E-03	1.37E-03	2.60E-04	2.19E-04	1.24E-03	1.00E-03	2.03E-04	1.95E-04	1.51E-04	9.94E-05
5732	563268.95	4235290.51	1.59E-03	1.42E-03	2.71E-04	2.28E-04	1.29E-03	1.04E-03	2.11E-04	2.02E-04	1.57E-04	1.03E-04
5733	563258.81	4235288.52	1.66E-03	1.48E-03	2.81E-04	2.37E-04	1.34E-03	1.08E-03	2.19E-04	2.10E-04	1.63E-04	1.07E-04
5734	563248.67	4235286.54	1.71E-03	1.53E-03	2.91E-04	2.45E-04	1.38E-03	1.12E-03	2.27E-04	2.18E-04	1.69E-04	1.11E-04
5735	563238.53	4235284.56	1.77E-03	1.58E-03	3.01E-04	2.54E-04	1.43E-03	1.16E-03	2.35E-04	2.25E-04	1.75E-04	1.15E-04
5736	563228.4	4235282.58	1.83E-03	1.63E-03	3.11E-04	2.62E-04	1.48E-03	1.20E-03	2.42E-04	2.32E-04	1.81E-04	1.19E-04
5737	563218.26	4235280.6	1.89E-03	1.68E-03	3.20E-04	2.70E-04	1.52E-03	1.23E-03	2.49E-04	2.39E-04	1.86E-04	1.22E-04
5738	563208.12	4235278.61	1.94E-03	1.73E-03	3.29E-04	2.77E-04	1.56E-03	1.27E-03	2.56E-04	2.46E-04	1.91E-04	1.25E-04
5739	563197.98	4235276.63	1.98E-03	1.77E-03	3.36E-04	2.84E-04	1.60E-03	1.30E-03	2.62E-04	2.52E-04	1.96E-04	1.29E-04
5740	563187.84	4235274.65	2.02E-03	1.81E-03	3.43E-04	2.89E-04	1.63E-03	1.32E-03	2.68E-04	2.57E-04	2.00E-04	1.31E-04
5741	563177.7	4235272.67	2.06E-03	1.84E-03	3.49E-04	2.95E-04	1.66E-03	1.35E-03	2.72E-04	2.61E-04	2.03E-04	1.33E-04
5742	563167.56	4235270.69	2.09E-03	1.86E-03	3.54E-04	2.99E-04	1.69E-03	1.37E-03	2.76E-04	2.65E-04	2.06E-04	1.35E-04
5743	563157.42	4235268.7	2.11E-03	1.88E-03	3.58E-04	3.02E-04	1.70E-03	1.38E-03	2.79E-04	2.68E-04	2.08E-04	1.37E-04
5744	563147.28	4235266.72	2.12E-03	1.89E-03	3.60E-04	3.03E-04	1.71E-03	1.39E-03	2.81E-04	2.69E-04	2.09E-04	1.37E-04
5745	563137.14	4235264.74	2.13E-03	1.90E-03	3.61E-04	3.04E-04	1.72E-03	1.39E-03	2.81E-04	2.70E-04	2.10E-04	1.38E-04
5746	563127.01	4235262.76	2.12E-03	1.89E-03	3.60E-04	3.03E-04	1.71E-03	1.39E-03	2.80E-04	2.69E-04	2.09E-04	1.37E-04
5747	563116.87	4235260.77	2.11E-03	1.88E-03	3.57E-04	3.01E-04	1.70E-03	1.38E-03	2.79E-04	2.67E-04	2.08E-04	1.37E-04
5748	563106.73	4235258.79	2.08E-03	1.86E-03	3.54E-04	2.98E-04	1.68E-03	1.36E-03	2.76E-04	2.64E-04	2.06E-04	1.35E-04
5749	563096.59	4235256.81	2.05E-03	1.83E-03	3.48E-04	2.93E-04	1.66E-03	1.34E-03	2.71E-04	2.60E-04	2.03E-04	1.33E-04
5750	563490.28	4235245.9	8.43E-04	7.52E-04	1.43E-04	1.21E-04	6.81E-04	5.52E-04	1.12E-04	1.07E-04	8.33E-05	5.47E-05
5751	563480.67	4235250.06	8.65E-04	7.72E-04	1.47E-04	1.24E-04	6.98E-04	5.66E-04	1.14E-04	1.10E-04	8.54E-05	5.61E-05
5752	563471.06	4235254.21	8.86E-04	7.91E-04	1.50E-04	1.27E-04	7.16E-04	5.80E-04	1.17E-04	1.12E-04	8.75E-05	5.74E-05
5753	563461.45	4235258.37	9.07E-04	8.09E-04	1.54E-04	1.30E-04	7.32E-04	5.94E-04	1.20E-04	1.15E-04	8.96E-05	5.88E-05
5754	563451.84	4235262.53	9.27E-04	8.27E-04	1.57E-04	1.33E-04	7.49E-04	6.07E-04	1.23E-04	1.18E-04	9.16E-05	6.01E-05
5755	563442.23	4235266.69	9.48E-04	8.45E-04	1.61E-04	1.36E-04	7.65E-04	6.20E-04	1.25E-04	1.20E-04	9.36E-05	6.14E-05
5756	563432.62	4235270.85	9.67E-04	8.63E-04	1.64E-04	1.38E-04	7.81E-04	6.33E-04	1.28E-04	1.23E-04	9.55E-05	6.27E-05
5757	563423.01	4235275.01	9.87E-04	8.81E-04	1.68E-04	1.41E-04	7.97E-04	6.46E-04	1.31E-04	1.25E-04	9.75E-05	6.40E-05
5758	563413.4	4235279.17	1.01E-03	8.99E-04	1.71E-04	1.44E-04	8.13E-04	6.59E-04	1.33E-04	1.28E-04	9.95E-05	6.53E-05
5759	563403.79	4235283.33	1.03E-03	9.17E-04	1.74E-04	1.47E-04	8.30E-04	6.73E-04	1.36E-04	1.30E-04	1.01E-04	6.66E-05
5760	563394.18	4235287.49	1.05E-03	9.35E-04	1.78E-04	1.50E-04	8.47E-04	6.86E-04	1.39E-04	1.33E-04	1.04E-04	6.80E-05
5761	563384.57	4235291.65	1.07E-03	9.54E-04	1.82E-04	1.53E-04	8.64E-04	7.00E-04	1.41E-04	1.36E-04	1.06E-04	6.93E-05
5762	563374.96	4235295.81	1.09E-03	9.74E-04	1.85E-04	1.56E-04	8.82E-04	7.15E-04	1.44E-04	1.39E-04	1.08E-04	7.08E-05
5763	563365.34	4235299.97	1.12E-03	9.96E-04	1.89E-04	1.60E-04	9.01E-04	7.30E-04	1.48E-04	1.42E-04	1.10E-04	7.23E-05
5764	563355.73	4235304.13	1.14E-03	1.02E-03	1.93E-04	1.63E-04	9.21E-04	7.46E-04	1.51E-04	1.45E-04	1.13E-04	7.39E-05
5765	563346.12	4235308.29	1.16E-03	1.04E-03	1.98E-04	1.67E-04	9.40E-04	7.62E-04	1.54E-04	1.48E-04	1.15E-04	7.55E-05
5766	563336.51	4235312.45	1.19E-03	1.06E-03	2.02E-04	1.70E-04	9.60E-04	7.78E-04	1.57E-04	1.51E-04	1.17E-04	7.70E-05
5767	563326.9	4235316.61	1.21E-03	1.08E-03	2.06E-04	1.74E-04	9.80E-04	7.94E-04	1.60E-04	1.54E-04	1.20E-04	7.86E-05
5768	563317.29	4235320.77	1.24E-03	1.10E-03	2.10E-04	1.77E-04	1.00E-03	8.11E-04	1.64E-04	1.57E-04	1.22E-04	8.03E-05
5769	563307.68	4235324.93	1.26E-03	1.13E-03	2.14E-04	1.81E-04	1.02E-03	8.27E-04	1.67E-04	1.60E-04	1.25E-04	8.19E-05
5770	563298.07	4235329.09	1.29E-03	1.15E-03	2.19E-04	1.84E-04	1.04E-03	8.43E-04	1.70E-04	1.63E-04	1.27E-04	8.35E-05
5771	563283.32	4235332.24	1.34E-03	1.19E-03	2.27E-04	1.91E-04	1.08E-03	8.74E-04	1.77E-04	1.69E-04	1.32E-04	8.66E-05
5772	563273.04	4235330.23	1.39E-03	1.24E-03	2.35E-04	1.98E-04	1.12E-03	9.06E-04	1.83E-04	1.76E-04	1.37E-04	8.98E-05
5773	563262.77	4235328.22	1.44E-03	1.28E-03	2.44E-04	2.06E-04	1.16E-03	9.41E-04	1.90E-04	1.82E-04	1.42E-04	9.32E-05
5774	563252.49	4235326.22	1.49E-03	1.33E-03	2.53E-04	2.13E-04	1.20E-03	9.75E-04	1.97E-04	1.89E-04	1.47E-04	9.66E-05
5775	563242.21	4235324.21	1.54E-03	1.38E-03	2.62E-04	2.20E-04	1.24E-03	1.01E-03	2.04E-04	1.96E-04	1.52E-04	9.99E-05
5776	563231.93	4235322.2	1.59E-03	1.42E-03	2.70E-04	2.27E-04	1.28E-03	1.04E-03	2.10E-04	2.02E-04	1.57E-04	1.03E-04
5777	563221.65	4235320.19	1.63E-03	1.46E-03	2.77E-04	2.34E-04	1.32E-03	1.07E-03	2.16E-04	2.07E-04	1.61E-04	1.06E-04
5778	563211.38	4235318.18	1.68E-03	1.50E-03	2.84E-04	2.40E-04	1.35E-03	1.10E-03	2.22E-04	2.13E-04	1.66E-04	1.09E-04
5779	563201.1	4235316.17	1.72E-03	1.53E-03	2.91E-04	2.45E-04	1.39E-03	1.12E-03	2.27E-04	2.18E-04	1.69E-04	1.11E-04
5780	563190.82	4235314.16	1.75E-03	1.56E-03	2.97E-04	2.50E-04	1.41E-03	1.15E-03	2.32E-04	2.22E-04	1.73E-04	1.14E-04
5781	563180.54	4235312.15	1.78E-03	1.59E-03	3.02E-04	2.55E-04	1.44E-03	1.17E-03	2.36E-04	2.26E-04	1.76E-04	1.16E-04
5782	563170.27	4235310.14	1.81E-03	1.61E-03	3.07E-04	2.59E-04	1.46E-03	1.18E-03	2.39E-04	2.29E-04	1.79E-04	1.17E-04
5783	563159.99	4235308.13	1.83E-03	1.63E-03	3.10E-04	2.61E-04	1.48E-03	1.20E-03	2.42E-04	2.32E-04	1.81E-04	1.19E-04
5784	563149.71	4235306.12	1.84E-03	1.64E-03	3.13E-04	2.63E-04	1.49E-03	1.21E-03	2.44E-04	2.34E-04	1.82E-04	1.19E-04
5785	563139.43	4235304.11	1.85E-03	1.65E-03	3.14E-04	2.65E-04	1.49E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
5786	563129.16	4235302.1	1.85E-03	1.65E-03	3.14E-04	2.65E-04	1.49E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
5787	563118.88	4235300.1	1.84E-03	1.64E-03	3.13E-04	2.64E-04	1.49E-03	1.21E-03	2.44E-04	2.34E-04	1.82E-04	1.20E-04
5788	563108.6	4235298.09	1.83E-03	1.63E-03	3.11E-04	2.62E-04	1.48E-03	1.20E-03	2.42E-04	2.32E-04	1.81E-04	1.19E-04
5789	563098.32	4235296.08	1.81E-03	1.61E-03	3.07E-04	2.59E-04	1.46E-03	1.18E-03	2.39E-04	2.30E-04	1.79E-04	1.17E-04
5790	563088.05	4235294.07	1.78E-03	1.59E-03	3.02E-04	2.55E-04	1.44E-03	1.17E-03	2.36E-04	2.26E-04	1.76E-04	1.16E-04
5791	563077.77	4235292.06	1.75E-03	1.56E-03	2.97E-04	2.50E-04	1.41E-03	1.14E-03	2.31E-04	2.22E-04	1.73E-04	1.13E-04
5792	563516.28	4235276.27	7.43E-04	6.63E-04	1.26E-04	1.06E-04	6.00E-04	4.86E-04	9.82E-05	9.42E-05	7.33E-05	4.81E-05

5793	563506.56	4235280.48	7.61E-04	6.79E-04	1.29E-04	1.09E-04	6.14E-04	4.98E-04	1.01E-04	9.65E-05	7.51E-05	4.93E-05
5794	563496.84	4235284.69	7.78E-04	6.94E-04	1.32E-04	1.11E-04	6.28E-04	5.09E-04	1.03E-04	9.87E-05	7.68E-05	5.04E-05
5795	563487.12	4235288.89	7.93E-04	7.08E-04	1.35E-04	1.13E-04	6.40E-04	5.19E-04	1.05E-04	1.01E-04	7.83E-05	5.14E-05
5796	563477.41	4235293.1	8.09E-04	7.22E-04	1.37E-04	1.16E-04	6.53E-04	5.29E-04	1.07E-04	1.03E-04	7.99E-05	5.24E-05
5797	563467.69	4235297.3	8.26E-04	7.37E-04	1.40E-04	1.18E-04	6.67E-04	5.40E-04	1.09E-04	1.05E-04	8.15E-05	5.35E-05
5798	563457.97	4235301.51	8.43E-04	7.52E-04	1.43E-04	1.21E-04	6.81E-04	5.52E-04	1.11E-04	1.07E-04	8.32E-05	5.46E-05
5799	563448.25	4235305.72	8.60E-04	7.67E-04	1.46E-04	1.23E-04	6.94E-04	5.63E-04	1.14E-04	1.09E-04	8.49E-05	5.57E-05
5800	563438.53	4235309.92	8.77E-04	7.82E-04	1.49E-04	1.25E-04	7.08E-04	5.74E-04	1.16E-04	1.11E-04	8.66E-05	5.68E-05
5801	563428.81	4235314.13	8.94E-04	7.97E-04	1.52E-04	1.28E-04	7.22E-04	5.85E-04	1.18E-04	1.13E-04	8.83E-05	5.79E-05
5802	563419.1	4235318.34	9.12E-04	8.13E-04	1.55E-04	1.30E-04	7.36E-04	5.97E-04	1.21E-04	1.16E-04	9.01E-05	5.91E-05
5803	563409.38	4235322.54	9.32E-04	8.31E-04	1.58E-04	1.33E-04	7.52E-04	6.10E-04	1.23E-04	1.18E-04	9.20E-05	6.04E-05
5804	563399.66	4235326.75	9.52E-04	8.49E-04	1.62E-04	1.36E-04	7.69E-04	6.23E-04	1.26E-04	1.21E-04	9.40E-05	6.17E-05
5805	563389.94	4235330.95	9.71E-04	8.66E-04	1.65E-04	1.39E-04	7.84E-04	6.35E-04	1.28E-04	1.23E-04	9.59E-05	6.29E-05
5806	563380.22	4235335.16	9.88E-04	8.82E-04	1.68E-04	1.41E-04	7.98E-04	6.47E-04	1.31E-04	1.25E-04	9.76E-05	6.41E-05
5807	563370.51	4235339.37	1.01E-03	8.99E-04	1.71E-04	1.44E-04	8.14E-04	6.60E-04	1.33E-04	1.28E-04	9.96E-05	6.53E-05
5808	563360.79	4235343.57	1.03E-03	9.18E-04	1.75E-04	1.47E-04	8.31E-04	6.73E-04	1.36E-04	1.31E-04	1.02E-04	6.67E-05
5809	563351.07	4235347.78	1.05E-03	9.35E-04	1.78E-04	1.50E-04	8.46E-04	6.86E-04	1.39E-04	1.33E-04	1.03E-04	6.79E-05
5810	563341.35	4235351.99	1.07E-03	9.51E-04	1.81E-04	1.52E-04	8.61E-04	6.98E-04	1.41E-04	1.35E-04	1.05E-04	6.91E-05
5811	563331.63	4235356.19	1.09E-03	9.68E-04	1.84E-04	1.55E-04	8.76E-04	7.10E-04	1.43E-04	1.38E-04	1.07E-04	7.03E-05
5812	563321.91	4235360.4	1.10E-03	9.84E-04	1.87E-04	1.58E-04	8.91E-04	7.22E-04	1.46E-04	1.40E-04	1.09E-04	7.15E-05
5813	563312.2	4235364.6	1.12E-03	1.00E-03	1.90E-04	1.61E-04	9.06E-04	7.34E-04	1.48E-04	1.42E-04	1.11E-04	7.27E-05
5814	563302.48	4235368.81	1.14E-03	1.02E-03	1.94E-04	1.63E-04	9.22E-04	7.47E-04	1.51E-04	1.45E-04	1.13E-04	7.40E-05
5815	563287.56	4235372	1.18E-03	1.05E-03	2.00E-04	1.69E-04	9.54E-04	7.73E-04	1.56E-04	1.50E-04	1.17E-04	7.66E-05
5816	563277.17	4235369.97	1.22E-03	1.09E-03	2.07E-04	1.75E-04	9.87E-04	8.00E-04	1.62E-04	1.55E-04	1.21E-04	7.92E-05
5817	563266.78	4235367.94	1.26E-03	1.13E-03	2.14E-04	1.81E-04	1.02E-03	8.27E-04	1.67E-04	1.60E-04	1.25E-04	8.19E-05
5818	563256.38	4235365.91	1.30E-03	1.16E-03	2.21E-04	1.87E-04	1.05E-03	8.54E-04	1.73E-04	1.66E-04	1.29E-04	8.45E-05
5819	563245.99	4235363.87	1.34E-03	1.20E-03	2.28E-04	1.92E-04	1.09E-03	8.80E-04	1.78E-04	1.71E-04	1.33E-04	8.71E-05
5820	563235.6	4235361.84	1.39E-03	1.24E-03	2.35E-04	1.98E-04	1.12E-03	9.07E-04	1.83E-04	1.76E-04	1.37E-04	8.98E-05
5821	563225.21	4235359.81	1.43E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.34E-04	1.89E-04	1.81E-04	1.41E-04	9.25E-05
5822	563214.81	4235357.78	1.47E-03	1.31E-03	2.49E-04	2.10E-04	1.18E-03	9.60E-04	1.94E-04	1.86E-04	1.45E-04	9.51E-05
5823	563204.42	4235355.75	1.50E-03	1.34E-03	2.55E-04	2.15E-04	1.21E-03	9.82E-04	1.98E-04	1.90E-04	1.48E-04	9.73E-05
5824	563194.03	4235353.71	1.53E-03	1.37E-03	2.60E-04	2.19E-04	1.24E-03	1.00E-03	2.03E-04	1.94E-04	1.51E-04	9.93E-05
5825	563183.64	4235351.68	1.56E-03	1.39E-03	2.65E-04	2.23E-04	1.26E-03	1.02E-03	2.06E-04	1.98E-04	1.54E-04	1.01E-04
5826	563173.24	4235349.65	1.58E-03	1.41E-03	2.69E-04	2.26E-04	1.28E-03	1.04E-03	2.09E-04	2.01E-04	1.56E-04	1.03E-04
5827	563162.85	4235347.62	1.60E-03	1.43E-03	2.72E-04	2.29E-04	1.29E-03	1.05E-03	2.12E-04	2.03E-04	1.58E-04	1.04E-04
5828	563152.46	4235345.59	1.62E-03	1.44E-03	2.74E-04	2.31E-04	1.30E-03	1.06E-03	2.14E-04	2.05E-04	1.60E-04	1.05E-04
5829	563142.06	4235343.56	1.63E-03	1.45E-03	2.76E-04	2.32E-04	1.31E-03	1.06E-03	2.15E-04	2.06E-04	1.61E-04	1.05E-04
5830	563131.67	4235341.52	1.63E-03	1.45E-03	2.77E-04	2.33E-04	1.32E-03	1.07E-03	2.16E-04	2.07E-04	1.61E-04	1.06E-04
5831	563121.28	4235339.49	1.63E-03	1.45E-03	2.76E-04	2.33E-04	1.31E-03	1.07E-03	2.15E-04	2.07E-04	1.61E-04	1.06E-04
5832	563110.89	4235337.46	1.62E-03	1.45E-03	2.75E-04	2.32E-04	1.31E-03	1.06E-03	2.14E-04	2.06E-04	1.60E-04	1.05E-04
5833	563100.49	4235335.43	1.61E-03	1.43E-03	2.73E-04	2.30E-04	1.30E-03	1.05E-03	2.13E-04	2.04E-04	1.59E-04	1.04E-04
5834	563090.1	4235333.4	1.59E-03	1.42E-03	2.70E-04	2.27E-04	1.28E-03	1.04E-03	2.10E-04	2.02E-04	1.57E-04	1.03E-04
5835	563079.71	4235331.37	1.57E-03	1.40E-03	2.66E-04	2.24E-04	1.26E-03	1.02E-03	2.07E-04	1.99E-04	1.55E-04	1.02E-04
5836	563069.32	4235329.33	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.01E-03	2.03E-04	1.95E-04	1.52E-04	9.96E-05
5837	563058.92	4235327.3	1.50E-03	1.34E-03	2.55E-04	2.15E-04	1.21E-03	9.84E-04	1.99E-04	1.91E-04	1.49E-04	9.75E-05
5838	563525.16	4235270.72	7.26E-04	6.48E-04	1.23E-04	1.04E-04	5.86E-04	4.75E-04	9.60E-05	9.21E-05	7.17E-05	4.71E-05
5839	563542.38	4235306.61	6.67E-04	5.95E-04	1.13E-04	9.54E-05	5.38E-04	4.36E-04	8.82E-05	8.46E-05	6.59E-05	4.32E-05
5840	563532.76	4235310.77	6.84E-04	6.10E-04	1.16E-04	9.78E-05	5.52E-04	4.47E-04	9.04E-05	8.67E-05	6.75E-05	4.43E-05
5841	563523.14	4235314.93	7.00E-04	6.24E-04	1.19E-04	1.00E-04	5.65E-04	4.58E-04	9.25E-05	8.88E-05	6.91E-05	4.53E-05
5842	563513.52	4235319.1	7.15E-04	6.38E-04	1.21E-04	1.02E-04	5.78E-04	4.68E-04	9.46E-05	9.08E-05	7.06E-05	4.64E-05
5843	563503.9	4235323.26	7.27E-04	6.49E-04	1.23E-04	1.04E-04	5.87E-04	4.76E-04	9.61E-05	9.22E-05	7.18E-05	4.71E-05
5844	563494.28	4235327.43	7.38E-04	6.58E-04	1.25E-04	1.05E-04	5.96E-04	4.83E-04	9.76E-05	9.36E-05	7.29E-05	4.78E-05
5845	563484.66	4235331.59	7.48E-04	6.68E-04	1.27E-04	1.07E-04	6.04E-04	4.90E-04	9.90E-05	9.49E-05	7.39E-05	4.85E-05
5846	563475.04	4235335.75	7.62E-04	6.79E-04	1.29E-04	1.09E-04	6.15E-04	4.98E-04	1.01E-04	9.66E-05	7.52E-05	4.94E-05
5847	563465.42	4235339.92	7.75E-04	6.91E-04	1.31E-04	1.11E-04	6.25E-04	5.07E-04	1.02E-04	9.83E-05	7.65E-05	5.02E-05
5848	563455.8	4235344.08	7.87E-04	7.02E-04	1.34E-04	1.13E-04	6.35E-04	5.15E-04	1.04E-04	9.99E-05	7.77E-05	5.10E-05
5849	563446.17	4235348.24	8.00E-04	7.14E-04	1.36E-04	1.14E-04	6.46E-04	5.23E-04	1.06E-04	1.02E-04	7.90E-05	5.18E-05
5850	563436.55	4235352.41	8.13E-04	7.26E-04	1.38E-04	1.16E-04	6.57E-04	5.32E-04	1.08E-04	1.03E-04	8.03E-05	5.27E-05
5851	563426.93	4235356.57	8.27E-04	7.38E-04	1.40E-04	1.18E-04	6.68E-04	5.41E-04	1.09E-04	1.05E-04	8.17E-05	5.36E-05
5852	563417.31	4235360.74	8.41E-04	7.50E-04	1.43E-04	1.20E-04	6.79E-04	5.50E-04	1.11E-04	1.07E-04	8.31E-05	5.45E-05
5853	563407.69	4235364.9	8.56E-04	7.63E-04	1.45E-04	1.22E-04	6.91E-04	5.60E-04	1.13E-04	1.09E-04	8.45E-05	5.55E-05
5854	563398.07	4235369.06	8.71E-04	7.77E-04	1.48E-04	1.25E-04	7.03E-04	5.70E-04	1.15E-04	1.11E-04	8.60E-05	5.65E-05
5855	563388.45	4235373.23	8.87E-04	7.91E-04	1.50E-04	1.27E-04	7.16E-04	5.80E-04	1.17E-04	1.13E-04	8.76E-05	5.75E-05
5856	563378.83	4235377.39	9.03E-04	8.05E-04	1.53E-04	1.29E-04	7.29E-04	5.91E-04	1.19E-04	1.15E-04	8.92E-05	5.85E-05
5857	563369.21	4235381.56	9.18E-04	8.19E-04	1.56E-04	1.31E-04	7.42E-04	6.01E-04	1.21E-04	1.17E-04	9.07E-05	5.95E-05
5858	563359.59	4235385.72	9.33E-04	8.32E-04	1.58E-04	1.33E-04	7.53E-04	6.11E-04	1.23E-04	1.18E-04	9.21E-05	6.05E-05
5859	563349.97	4235389.88	9.46E-04	8.44E-04	1.61E-04	1.35E-04	7.64E-04	6.19E-04	1.25E-04	1.20E-04	9.35E-05	6.13E-05
5860	563340.35	4235394.05	9.61E-04	8.57E-04	1.63E-04	1.37E-04	7.76E-04	6.29E-04	1.27E-04	1.22E-04	9.49E-05	6.23E-05
5861	563330.73	4235398.21	9.77E-04	8.71E-04	1.66E-04	1.40E-04	7.88E-04	6.39E-04	1.29E-04	1.24E-04	9.64E-05	6.33E-05

5862	563321.11	4235402.37	9.94E-04	8.87E-04	1.69E-04	1.42E-04	8.03E-04	6.51E-04	1.31E-04	1.26E-04	9.82E-05	6.44E-05
5863	563311.49	4235406.54	1.01E-03	9.02E-04	1.72E-04	1.45E-04	8.17E-04	6.62E-04	1.34E-04	1.28E-04	9.99E-05	6.56E-05
5864	563301.87	4235410.7	1.03E-03	9.17E-04	1.74E-04	1.47E-04	8.30E-04	6.73E-04	1.36E-04	1.30E-04	1.02E-04	6.67E-05
5865	563291.92	4235411.78	1.05E-03	9.40E-04	1.79E-04	1.51E-04	8.51E-04	6.89E-04	1.39E-04	1.34E-04	1.04E-04	6.83E-05
5866	563281.63	4235409.77	1.09E-03	9.70E-04	1.85E-04	1.56E-04	8.78E-04	7.12E-04	1.44E-04	1.38E-04	1.07E-04	7.05E-05
5867	563271.34	4235407.76	1.12E-03	1.00E-03	1.90E-04	1.60E-04	9.05E-04	7.34E-04	1.48E-04	1.42E-04	1.11E-04	7.27E-05
5868	563261.05	4235405.74	1.16E-03	1.03E-03	1.96E-04	1.65E-04	9.33E-04	7.56E-04	1.53E-04	1.47E-04	1.14E-04	7.49E-05
5869	563250.76	4235403.73	1.19E-03	1.06E-03	2.02E-04	1.70E-04	9.60E-04	7.78E-04	1.57E-04	1.51E-04	1.17E-04	7.70E-05
5870	563240.48	4235401.72	1.22E-03	1.09E-03	2.07E-04	1.75E-04	9.86E-04	7.99E-04	1.62E-04	1.55E-04	1.21E-04	7.92E-05
5871	563230.19	4235399.71	1.25E-03	1.12E-03	2.13E-04	1.79E-04	1.01E-03	8.21E-04	1.66E-04	1.59E-04	1.24E-04	8.13E-05
5872	563219.9	4235397.7	1.29E-03	1.15E-03	2.18E-04	1.84E-04	1.04E-03	8.42E-04	1.70E-04	1.63E-04	1.27E-04	8.34E-05
5873	563209.61	4235395.69	1.32E-03	1.18E-03	2.24E-04	1.88E-04	1.06E-03	8.62E-04	1.74E-04	1.67E-04	1.30E-04	8.54E-05
5874	563199.32	4235393.68	1.35E-03	1.20E-03	2.28E-04	1.92E-04	1.09E-03	8.81E-04	1.78E-04	1.71E-04	1.33E-04	8.72E-05
5875	563189.03	4235391.67	1.37E-03	1.22E-03	2.33E-04	1.96E-04	1.11E-03	8.97E-04	1.81E-04	1.74E-04	1.35E-04	8.88E-05
5876	563178.75	4235389.65	1.39E-03	1.24E-03	2.36E-04	1.99E-04	1.12E-03	9.11E-04	1.84E-04	1.77E-04	1.38E-04	9.03E-05
5877	563168.46	4235387.64	1.41E-03	1.26E-03	2.39E-04	2.02E-04	1.14E-03	9.23E-04	1.87E-04	1.79E-04	1.39E-04	9.15E-05
5878	563158.17	4235385.63	1.43E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.33E-04	1.89E-04	1.81E-04	1.41E-04	9.24E-05
5879	563147.88	4235383.62	1.44E-03	1.28E-03	2.44E-04	2.06E-04	1.16E-03	9.41E-04	1.90E-04	1.82E-04	1.42E-04	9.32E-05
5880	563137.59	4235381.61	1.44E-03	1.29E-03	2.45E-04	2.07E-04	1.17E-03	9.45E-04	1.91E-04	1.83E-04	1.43E-04	9.36E-05
5881	563127.31	4235379.6	1.45E-03	1.29E-03	2.46E-04	2.07E-04	1.17E-03	9.48E-04	1.92E-04	1.84E-04	1.43E-04	9.39E-05
5882	563117.02	4235377.59	1.45E-03	1.29E-03	2.46E-04	2.07E-04	1.17E-03	9.47E-04	1.91E-04	1.84E-04	1.43E-04	9.38E-05
5883	563106.73	4235375.58	1.44E-03	1.29E-03	2.45E-04	2.06E-04	1.16E-03	9.43E-04	1.91E-04	1.83E-04	1.42E-04	9.34E-05
5884	563096.44	4235373.56	1.43E-03	1.28E-03	2.43E-04	2.05E-04	1.16E-03	9.37E-04	1.89E-04	1.82E-04	1.41E-04	9.28E-05
5885	563086.15	4235371.55	1.42E-03	1.26E-03	2.41E-04	2.03E-04	1.14E-03	9.28E-04	1.87E-04	1.80E-04	1.40E-04	9.19E-05
5886	563075.87	4235369.54	1.40E-03	1.25E-03	2.37E-04	2.00E-04	1.13E-03	9.15E-04	1.85E-04	1.77E-04	1.38E-04	9.07E-05
5887	563065.58	4235367.53	1.38E-03	1.23E-03	2.34E-04	1.97E-04	1.11E-03	9.01E-04	1.82E-04	1.75E-04	1.36E-04	8.92E-05
5888	563055.29	4235365.52	1.35E-03	1.20E-03	2.29E-04	1.93E-04	1.09E-03	8.83E-04	1.79E-04	1.71E-04	1.33E-04	8.75E-05
5889	563045	4235363.51	1.32E-03	1.18E-03	2.24E-04	1.89E-04	1.07E-03	8.64E-04	1.75E-04	1.68E-04	1.30E-04	8.56E-05
5890	563551.21	4235301.07	6.54E-04	5.83E-04	1.11E-04	9.35E-05	5.28E-04	4.28E-04	8.64E-05	8.29E-05	6.45E-05	4.24E-05
5891	563568.38	4235336.98	6.04E-04	5.39E-04	1.02E-04	8.64E-05	4.88E-04	3.95E-04	7.99E-05	7.66E-05	5.96E-05	3.91E-05
5892	563558.67	4235341.18	6.17E-04	5.50E-04	1.05E-04	8.82E-05	4.98E-04	4.04E-04	8.16E-05	7.83E-05	6.09E-05	4.00E-05
5893	563548.96	4235345.38	6.29E-04	5.61E-04	1.07E-04	9.00E-05	5.08E-04	4.12E-04	8.32E-05	7.98E-05	6.21E-05	4.08E-05
5894	563539.25	4235349.59	6.41E-04	5.72E-04	1.09E-04	9.17E-05	5.18E-04	4.20E-04	8.48E-05	8.14E-05	6.33E-05	4.16E-05
5895	563529.54	4235353.79	6.53E-04	5.82E-04	1.11E-04	9.33E-05	5.27E-04	4.27E-04	8.63E-05	8.28E-05	6.45E-05	4.23E-05
5896	563519.83	4235357.99	6.64E-04	5.92E-04	1.13E-04	9.49E-05	5.36E-04	4.34E-04	8.78E-05	8.42E-05	6.55E-05	4.30E-05
5897	563510.12	4235362.2	6.74E-04	6.02E-04	1.14E-04	9.64E-05	5.44E-04	4.41E-04	8.92E-05	8.56E-05	6.66E-05	4.37E-05
5898	563500.41	4235366.4	6.85E-04	6.11E-04	1.16E-04	9.79E-05	5.53E-04	4.48E-04	9.05E-05	8.69E-05	6.76E-05	4.44E-05
5899	563490.7	4235370.6	6.95E-04	6.20E-04	1.18E-04	9.94E-05	5.61E-04	4.55E-04	9.19E-05	8.82E-05	6.86E-05	4.50E-05
5900	563480.99	4235374.8	7.04E-04	6.28E-04	1.20E-04	1.01E-04	5.69E-04	4.61E-04	9.31E-05	8.94E-05	6.96E-05	4.56E-05
5901	563471.28	4235379.01	7.13E-04	6.36E-04	1.21E-04	1.02E-04	5.75E-04	4.66E-04	9.42E-05	9.04E-05	7.04E-05	4.62E-05
5902	563461.57	4235383.21	7.21E-04	6.43E-04	1.22E-04	1.03E-04	5.82E-04	4.72E-04	9.53E-05	9.14E-05	7.12E-05	4.67E-05
5903	563451.86	4235387.41	7.29E-04	6.50E-04	1.24E-04	1.04E-04	5.89E-04	4.77E-04	9.64E-05	9.25E-05	7.20E-05	4.72E-05
5904	563442.15	4235391.61	7.40E-04	6.60E-04	1.26E-04	1.06E-04	5.98E-04	4.84E-04	9.79E-05	9.39E-05	7.31E-05	4.80E-05
5905	563432.44	4235395.82	7.50E-04	6.69E-04	1.27E-04	1.07E-04	6.06E-04	4.91E-04	9.92E-05	9.52E-05	7.41E-05	4.86E-05
5906	563422.73	4235400.02	7.60E-04	6.78E-04	1.29E-04	1.09E-04	6.14E-04	4.97E-04	1.01E-04	9.65E-05	7.51E-05	4.93E-05
5907	563413.02	4235404.22	7.70E-04	6.87E-04	1.31E-04	1.10E-04	6.22E-04	5.04E-04	1.02E-04	9.77E-05	7.61E-05	4.99E-05
5908	563403.31	4235408.42	7.81E-04	6.97E-04	1.33E-04	1.12E-04	6.31E-04	5.11E-04	1.03E-04	9.91E-05	7.71E-05	5.06E-05
5909	563393.6	4235412.63	7.92E-04	7.07E-04	1.34E-04	1.13E-04	6.40E-04	5.19E-04	1.05E-04	1.01E-04	7.83E-05	5.14E-05
5910	563383.89	4235416.83	8.05E-04	7.18E-04	1.37E-04	1.15E-04	6.50E-04	5.27E-04	1.06E-04	1.02E-04	7.95E-05	5.22E-05
5911	563374.18	4235421.03	8.20E-04	7.31E-04	1.39E-04	1.17E-04	6.62E-04	5.36E-04	1.08E-04	1.04E-04	8.10E-05	5.31E-05
5912	563364.47	4235425.24	8.36E-04	7.46E-04	1.42E-04	1.20E-04	6.75E-04	5.47E-04	1.11E-04	1.06E-04	8.25E-05	5.42E-05
5913	563354.76	4235429.44	8.51E-04	7.59E-04	1.44E-04	1.22E-04	6.87E-04	5.57E-04	1.13E-04	1.08E-04	8.41E-05	5.52E-05
5914	563345.05	4235433.64	8.66E-04	7.73E-04	1.47E-04	1.24E-04	6.99E-04	5.67E-04	1.15E-04	1.10E-04	8.55E-05	5.61E-05
5915	563335.34	4235437.84	8.81E-04	7.86E-04	1.49E-04	1.26E-04	7.11E-04	5.76E-04	1.16E-04	1.12E-04	8.70E-05	5.71E-05
5916	563325.63	4235442.05	8.96E-04	7.99E-04	1.52E-04	1.28E-04	7.23E-04	5.86E-04	1.18E-04	1.14E-04	8.84E-05	5.80E-05
5917	563315.92	4235446.25	9.11E-04	8.12E-04	1.54E-04	1.30E-04	7.35E-04	5.96E-04	1.20E-04	1.16E-04	8.99E-05	5.90E-05
5918	563306.21	4235450.45	9.25E-04	8.25E-04	1.57E-04	1.32E-04	7.47E-04	6.05E-04	1.22E-04	1.17E-04	9.13E-05	5.99E-05
5919	563296.17	4235451.54	9.46E-04	8.44E-04	1.61E-04	1.35E-04	7.64E-04	6.19E-04	1.25E-04	1.20E-04	9.35E-05	6.13E-05
5920	563285.78	4235449.51	9.75E-04	8.70E-04	1.66E-04	1.39E-04	7.88E-04	6.38E-04	1.29E-04	1.24E-04	9.63E-05	6.32E-05
5921	563275.4	4235447.48	1.00E-03	8.96E-04	1.70E-04	1.44E-04	8.11E-04	6.57E-04	1.33E-04	1.27E-04	9.92E-05	6.51E-05
5922	563265.02	4235445.45	1.03E-03	9.22E-04	1.75E-04	1.48E-04	8.34E-04	6.76E-04	1.37E-04	1.31E-04	1.02E-04	6.70E-05
5923	563254.63	4235443.42	1.06E-03	9.47E-04	1.80E-04	1.52E-04	8.57E-04	6.95E-04	1.40E-04	1.35E-04	1.05E-04	6.88E-05
5924	563244.25	4235441.39	1.09E-03	9.72E-04	1.85E-04	1.56E-04	8.80E-04	7.13E-04	1.44E-04	1.38E-04	1.08E-04	7.06E-05
5925	563233.86	4235439.36	1.12E-03	9.96E-04	1.89E-04	1.60E-04	9.02E-04	7.31E-04	1.48E-04	1.42E-04	1.10E-04	7.24E-05
5926	563223.48	4235437.33	1.14E-03	1.02E-03	1.94E-04	1.63E-04	9.23E-04	7.48E-04	1.51E-04	1.45E-04	1.13E-04	7.41E-05
5927	563213.1	4235435.3	1.17E-03	1.04E-03	1.98E-04	1.67E-04	9.43E-04	7.64E-04	1.54E-04	1.48E-04	1.15E-04	7.57E-05
5928	563202.71	4235433.27	1.19E-03	1.06E-03	2.02E-04	1.70E-04	9.62E-04	7.80E-04	1.58E-04	1.51E-04	1.18E-04	7.72E-05
5929	563192.33	4235431.24	1.21E-03	1.08E-03	2.06E-04	1.74E-04	9.80E-04	7.95E-04	1.61E-04	1.54E-04	1.20E-04	7.87E-05
5930	563181.94	4235429.21	1.24E-03	1.10E-03	2.10E-04	1.77E-04	9.98E-04	8.09E-04	1.63E-04	1.57E-04	1.22E-04	8.01E-05

5931	563171.56	4235427.18	1.25E-03	1.12E-03	2.13E-04	1.79E-04	1.01E-03	8.21E-04	1.66E-04	1.59E-04	1.24E-04	8.13E-05
5932	563161.18	4235425.15	1.27E-03	1.13E-03	2.16E-04	1.82E-04	1.03E-03	8.31E-04	1.68E-04	1.61E-04	1.25E-04	8.23E-05
5933	563150.79	4235423.12	1.28E-03	1.14E-03	2.18E-04	1.83E-04	1.04E-03	8.39E-04	1.70E-04	1.63E-04	1.27E-04	8.31E-05
5934	563140.41	4235421.09	1.29E-03	1.15E-03	2.19E-04	1.85E-04	1.04E-03	8.45E-04	1.71E-04	1.64E-04	1.27E-04	8.37E-05
5935	563130.03	4235419.06	1.30E-03	1.16E-03	2.20E-04	1.85E-04	1.05E-03	8.48E-04	1.71E-04	1.64E-04	1.28E-04	8.40E-05
5936	563119.64	4235417.03	1.30E-03	1.16E-03	2.20E-04	1.86E-04	1.05E-03	8.49E-04	1.72E-04	1.65E-04	1.28E-04	8.41E-05
5937	563109.26	4235415	1.30E-03	1.16E-03	2.20E-04	1.85E-04	1.05E-03	8.48E-04	1.71E-04	1.64E-04	1.28E-04	8.40E-05
5938	563098.87	4235412.97	1.29E-03	1.15E-03	2.19E-04	1.84E-04	1.04E-03	8.44E-04	1.71E-04	1.64E-04	1.27E-04	8.36E-05
5939	563088.49	4235410.94	1.28E-03	1.14E-03	2.17E-04	1.83E-04	1.03E-03	8.38E-04	1.69E-04	1.63E-04	1.26E-04	8.30E-05
5940	563078.11	4235408.91	1.27E-03	1.13E-03	2.15E-04	1.81E-04	1.02E-03	8.30E-04	1.68E-04	1.61E-04	1.25E-04	8.22E-05
5941	563067.72	4235406.88	1.25E-03	1.12E-03	2.12E-04	1.79E-04	1.01E-03	8.19E-04	1.65E-04	1.59E-04	1.24E-04	8.11E-05
5942	563057.34	4235404.85	1.23E-03	1.10E-03	2.09E-04	1.76E-04	9.95E-04	8.06E-04	1.63E-04	1.56E-04	1.22E-04	7.98E-05
5943	563046.95	4235402.82	1.21E-03	1.08E-03	2.05E-04	1.73E-04	9.76E-04	7.91E-04	1.60E-04	1.53E-04	1.19E-04	7.83E-05
5944	563036.57	4235400.79	1.18E-03	1.06E-03	2.01E-04	1.69E-04	9.56E-04	7.75E-04	1.57E-04	1.50E-04	1.17E-04	7.67E-05
5945	563026.19	4235398.76	1.16E-03	1.03E-03	1.96E-04	1.65E-04	9.33E-04	7.56E-04	1.53E-04	1.47E-04	1.14E-04	7.49E-05
5946	563594.48	4235367.32	5.42E-04	4.84E-04	9.20E-05	7.76E-05	4.38E-04	3.55E-04	7.17E-05	6.88E-05	5.36E-05	3.52E-05
5947	563584.85	4235371.48	5.53E-04	4.93E-04	9.38E-05	7.91E-05	4.46E-04	3.62E-04	7.31E-05	7.01E-05	5.46E-05	3.58E-05
5948	563575.22	4235375.65	5.63E-04	5.02E-04	9.55E-05	8.05E-05	4.54E-04	3.68E-04	7.44E-05	7.14E-05	5.56E-05	3.65E-05
5949	563565.59	4235379.82	5.73E-04	5.11E-04	9.71E-05	8.19E-05	4.62E-04	3.75E-04	7.57E-05	7.26E-05	5.65E-05	3.71E-05
5950	563555.97	4235383.98	5.82E-04	5.19E-04	9.87E-05	8.32E-05	4.70E-04	3.81E-04	7.69E-05	7.38E-05	5.74E-05	3.77E-05
5951	563546.34	4235388.15	5.91E-04	5.27E-04	1.00E-04	8.45E-05	4.77E-04	3.87E-04	7.81E-05	7.50E-05	5.83E-05	3.83E-05
5952	563536.71	4235392.32	6.00E-04	5.36E-04	1.02E-04	8.59E-05	4.85E-04	3.93E-04	7.94E-05	7.62E-05	5.93E-05	3.89E-05
5953	563527.09	4235396.48	6.10E-04	5.44E-04	1.04E-04	8.72E-05	4.93E-04	3.99E-04	8.07E-05	7.74E-05	6.02E-05	3.95E-05
5954	563517.46	4235400.65	6.20E-04	5.53E-04	1.05E-04	8.86E-05	5.00E-04	4.05E-04	8.19E-05	7.86E-05	6.12E-05	4.01E-05
5955	563507.83	4235404.82	6.28E-04	5.60E-04	1.07E-04	8.98E-05	5.07E-04	4.11E-04	8.30E-05	7.97E-05	6.20E-05	4.07E-05
5956	563498.2	4235408.98	6.36E-04	5.67E-04	1.08E-04	9.09E-05	5.13E-04	4.16E-04	8.41E-05	8.07E-05	6.28E-05	4.12E-05
5957	563488.58	4235413.15	6.43E-04	5.73E-04	1.09E-04	9.19E-05	5.19E-04	4.21E-04	8.50E-05	8.16E-05	6.35E-05	4.17E-05
5958	563478.95	4235417.32	6.49E-04	5.79E-04	1.10E-04	9.29E-05	5.24E-04	4.25E-04	8.59E-05	8.24E-05	6.41E-05	4.21E-05
5959	563469.32	4235421.48	6.56E-04	5.85E-04	1.11E-04	9.38E-05	5.29E-04	4.29E-04	8.67E-05	8.32E-05	6.48E-05	4.25E-05
5960	563459.69	4235425.65	6.62E-04	5.90E-04	1.12E-04	9.46E-05	5.34E-04	4.33E-04	8.75E-05	8.40E-05	6.54E-05	4.29E-05
5961	563450.07	4235429.82	6.68E-04	5.96E-04	1.13E-04	9.55E-05	5.39E-04	4.37E-04	8.83E-05	8.47E-05	6.60E-05	4.33E-05
5962	563440.44	4235433.99	6.75E-04	6.02E-04	1.15E-04	9.65E-05	5.45E-04	4.42E-04	8.93E-05	8.56E-05	6.67E-05	4.37E-05
5963	563430.81	4235438.15	6.83E-04	6.10E-04	1.16E-04	9.77E-05	5.52E-04	4.47E-04	9.04E-05	8.67E-05	6.75E-05	4.43E-05
5964	563421.19	4235442.32	6.93E-04	6.19E-04	1.18E-04	9.92E-05	5.60E-04	4.54E-04	9.17E-05	8.80E-05	6.85E-05	4.49E-05
5965	563411.56	4235446.49	7.05E-04	6.29E-04	1.20E-04	1.01E-04	5.69E-04	4.61E-04	9.32E-05	8.94E-05	6.96E-05	4.57E-05
5966	563401.93	4235450.65	7.18E-04	6.40E-04	1.22E-04	1.03E-04	5.79E-04	4.70E-04	9.49E-05	9.11E-05	7.09E-05	4.65E-05
5967	563392.3	4235454.82	7.32E-04	6.53E-04	1.24E-04	1.05E-04	5.91E-04	4.79E-04	9.68E-05	9.29E-05	7.23E-05	4.74E-05
5968	563382.68	4235458.99	7.45E-04	6.65E-04	1.26E-04	1.07E-04	6.02E-04	4.88E-04	9.85E-05	9.45E-05	7.36E-05	4.83E-05
5969	563373.05	4235463.15	7.57E-04	6.75E-04	1.28E-04	1.08E-04	6.11E-04	4.95E-04	1.00E-04	9.61E-05	7.48E-05	4.91E-05
5970	563363.42	4235467.32	7.68E-04	6.85E-04	1.30E-04	1.10E-04	6.20E-04	5.02E-04	1.02E-04	9.74E-05	7.58E-05	4.98E-05
5971	563353.8	4235471.49	7.80E-04	6.96E-04	1.32E-04	1.12E-04	6.30E-04	5.10E-04	1.03E-04	9.90E-05	7.70E-05	5.06E-05
5972	563344.17	4235475.65	7.93E-04	7.07E-04	1.35E-04	1.13E-04	6.40E-04	5.19E-04	1.05E-04	1.01E-04	7.83E-05	5.14E-05
5973	563334.54	4235479.82	8.06E-04	7.19E-04	1.37E-04	1.15E-04	6.51E-04	5.27E-04	1.07E-04	1.02E-04	7.96E-05	5.22E-05
5974	563324.91	4235483.99	8.19E-04	7.30E-04	1.39E-04	1.17E-04	6.61E-04	5.36E-04	1.08E-04	1.04E-04	8.09E-05	5.31E-05
5975	563315.29	4235488.15	8.31E-04	7.41E-04	1.41E-04	1.19E-04	6.71E-04	5.44E-04	1.10E-04	1.05E-04	8.21E-05	5.39E-05
5976	563300.51	4235491.31	8.55E-04	7.63E-04	1.45E-04	1.22E-04	6.91E-04	5.60E-04	1.13E-04	1.09E-04	8.45E-05	5.54E-05
5977	563290.22	4235489.3	8.80E-04	7.85E-04	1.49E-04	1.26E-04	7.11E-04	5.76E-04	1.16E-04	1.12E-04	8.69E-05	5.70E-05
5978	563279.92	4235487.29	9.05E-04	8.07E-04	1.54E-04	1.29E-04	7.30E-04	5.92E-04	1.20E-04	1.15E-04	8.93E-05	5.86E-05
5979	563269.63	4235485.28	9.29E-04	8.29E-04	1.58E-04	1.33E-04	7.50E-04	6.08E-04	1.23E-04	1.18E-04	9.18E-05	6.02E-05
5980	563259.33	4235483.26	9.54E-04	8.51E-04	1.62E-04	1.36E-04	7.70E-04	6.24E-04	1.26E-04	1.21E-04	9.42E-05	6.18E-05
5981	563249.03	4235481.25	9.77E-04	8.72E-04	1.66E-04	1.40E-04	7.89E-04	6.40E-04	1.29E-04	1.24E-04	9.65E-05	6.33E-05
5982	563238.74	4235479.24	1.00E-03	8.92E-04	1.70E-04	1.43E-04	8.08E-04	6.55E-04	1.32E-04	1.27E-04	9.88E-05	6.48E-05
5983	563228.44	4235477.23	1.02E-03	9.12E-04	1.74E-04	1.46E-04	8.26E-04	6.69E-04	1.35E-04	1.30E-04	1.01E-04	6.63E-05
5984	563218.15	4235475.21	1.04E-03	9.31E-04	1.77E-04	1.49E-04	8.43E-04	6.83E-04	1.38E-04	1.32E-04	1.03E-04	6.77E-05
5985	563207.85	4235473.2	1.06E-03	9.49E-04	1.81E-04	1.52E-04	8.59E-04	6.96E-04	1.41E-04	1.35E-04	1.05E-04	6.90E-05
5986	563197.56	4235471.19	1.08E-03	9.66E-04	1.84E-04	1.55E-04	8.74E-04	7.09E-04	1.43E-04	1.37E-04	1.07E-04	7.02E-05
5987	563187.26	4235469.17	1.10E-03	9.81E-04	1.87E-04	1.57E-04	8.88E-04	7.20E-04	1.45E-04	1.40E-04	1.09E-04	7.13E-05
5988	563176.97	4235467.16	1.12E-03	9.95E-04	1.89E-04	1.60E-04	9.01E-04	7.30E-04	1.48E-04	1.42E-04	1.10E-04	7.23E-05
5989	563166.67	4235465.15	1.13E-03	1.01E-03	1.92E-04	1.62E-04	9.13E-04	7.40E-04	1.49E-04	1.43E-04	1.12E-04	7.33E-05
5990	563156.38	4235463.14	1.14E-03	1.02E-03	1.94E-04	1.64E-04	9.23E-04	7.48E-04	1.51E-04	1.45E-04	1.13E-04	7.41E-05
5991	563146.08	4235461.12	1.15E-03	1.03E-03	1.96E-04	1.65E-04	9.32E-04	7.56E-04	1.53E-04	1.47E-04	1.14E-04	7.48E-05
5992	563135.79	4235459.11	1.16E-03	1.04E-03	1.97E-04	1.66E-04	9.39E-04	7.61E-04	1.54E-04	1.48E-04	1.15E-04	7.54E-05
5993	563125.49	4235457.1	1.17E-03	1.04E-03	1.98E-04	1.67E-04	9.44E-04	7.65E-04	1.55E-04	1.48E-04	1.15E-04	7.58E-05
5994	563115.19	4235455.09	1.17E-03	1.04E-03	1.99E-04	1.67E-04	9.45E-04	7.66E-04	1.55E-04	1.49E-04	1.16E-04	7.59E-05
5995	563104.9	4235453.07	1.17E-03	1.04E-03	1.98E-04	1.67E-04	9.44E-04	7.65E-04	1.55E-04	1.48E-04	1.15E-04	7.58E-05
5996	563094.6	4235451.06	1.16E-03	1.04E-03	1.98E-04	1.67E-04	9.41E-04	7.62E-04	1.54E-04	1.48E-04	1.15E-04	7.55E-05
5997	563084.31	4235449.05	1.16E-03	1.03E-03	1.96E-04	1.66E-04	9.35E-04	7.57E-04	1.53E-04	1.47E-04	1.14E-04	7.50E-05
5998	563074.01	4235447.04	1.15E-03	1.02E-03	1.95E-04	1.64E-04	9.26E-04	7.51E-04	1.52E-04	1.46E-04	1.13E-04	7.43E-05
5999	563063.72	4235445.02	1.13E-03	1.01E-03	1.92E-04	1.62E-04	9.15E-04	7.42E-04	1.50E-04	1.44E-04	1.12E-04	7.35E-05

6000	563053.42	4235443.01	1.12E-03	9.97E-04	1.90E-04	1.60E-04	9.03E-04	7.32E-04	1.48E-04	1.42E-04	1.10E-04	7.24E-05
6001	563043.13	4235441	1.10E-03	9.81E-04	1.87E-04	1.57E-04	8.88E-04	7.19E-04	1.45E-04	1.39E-04	1.09E-04	7.12E-05
6002	563032.83	4235438.98	1.08E-03	9.62E-04	1.83E-04	1.54E-04	8.71E-04	7.06E-04	1.43E-04	1.37E-04	1.07E-04	6.99E-05
6003	563022.54	4235436.97	1.06E-03	9.42E-04	1.79E-04	1.51E-04	8.52E-04	6.91E-04	1.40E-04	1.34E-04	1.04E-04	6.84E-05
6004	563012.24	4235434.96	1.03E-03	9.20E-04	1.75E-04	1.47E-04	8.33E-04	6.75E-04	1.36E-04	1.31E-04	1.02E-04	6.68E-05
6005	563001.95	4235432.95	1.01E-03	8.97E-04	1.71E-04	1.44E-04	8.12E-04	6.58E-04	1.33E-04	1.28E-04	9.93E-05	6.52E-05
6006	563620.49	4235397.69	4.90E-04	4.37E-04	8.31E-05	7.00E-05	3.95E-04	3.20E-04	6.47E-05	6.21E-05	4.83E-05	3.17E-05
6007	563610.78	4235401.89	4.99E-04	4.45E-04	8.47E-05	7.14E-05	4.03E-04	3.27E-04	6.60E-05	6.33E-05	4.93E-05	3.23E-05
6008	563601.08	4235406.09	5.08E-04	4.53E-04	8.62E-05	7.27E-05	4.10E-04	3.33E-04	6.72E-05	6.45E-05	5.02E-05	3.29E-05
6009	563591.38	4235410.29	5.17E-04	4.61E-04	8.77E-05	7.39E-05	4.17E-04	3.38E-04	6.84E-05	6.56E-05	5.11E-05	3.35E-05
6010	563581.67	4235414.49	5.25E-04	4.69E-04	8.91E-05	7.51E-05	4.24E-04	3.44E-04	6.95E-05	6.67E-05	5.19E-05	3.40E-05
6011	563571.97	4235418.69	5.33E-04	4.76E-04	9.05E-05	7.62E-05	4.30E-04	3.49E-04	7.05E-05	6.77E-05	5.27E-05	3.46E-05
6012	563562.26	4235422.89	5.41E-04	4.82E-04	9.18E-05	7.74E-05	4.37E-04	3.54E-04	7.15E-05	6.86E-05	5.34E-05	3.51E-05
6013	563552.56	4235427.09	5.49E-04	4.90E-04	9.31E-05	7.85E-05	4.43E-04	3.59E-04	7.26E-05	6.96E-05	5.42E-05	3.56E-05
6014	563542.86	4235431.29	5.57E-04	4.97E-04	9.45E-05	7.97E-05	4.50E-04	3.64E-04	7.37E-05	7.07E-05	5.50E-05	3.61E-05
6015	563533.15	4235435.49	5.65E-04	5.04E-04	9.59E-05	8.08E-05	4.56E-04	3.70E-04	7.47E-05	7.17E-05	5.58E-05	3.66E-05
6016	563523.45	4235439.69	5.72E-04	5.10E-04	9.70E-05	8.17E-05	4.61E-04	3.74E-04	7.56E-05	7.25E-05	5.64E-05	3.70E-05
6017	563513.74	4235443.89	5.77E-04	5.15E-04	9.79E-05	8.25E-05	4.66E-04	3.78E-04	7.63E-05	7.32E-05	5.70E-05	3.74E-05
6018	563504.04	4235448.09	5.82E-04	5.19E-04	9.88E-05	8.33E-05	4.70E-04	3.81E-04	7.70E-05	7.39E-05	5.75E-05	3.77E-05
6019	563494.34	4235452.29	5.87E-04	5.24E-04	9.96E-05	8.39E-05	4.74E-04	3.84E-04	7.76E-05	7.45E-05	5.80E-05	3.80E-05
6020	563484.63	4235456.49	5.91E-04	5.28E-04	1.00E-04	8.46E-05	4.78E-04	3.87E-04	7.82E-05	7.50E-05	5.84E-05	3.83E-05
6021	563474.93	4235460.69	5.96E-04	5.32E-04	1.01E-04	8.52E-05	4.81E-04	3.90E-04	7.88E-05	7.56E-05	5.89E-05	3.86E-05
6022	563465.22	4235464.89	6.02E-04	5.37E-04	1.02E-04	8.61E-05	4.86E-04	3.94E-04	7.96E-05	7.64E-05	5.94E-05	3.90E-05
6023	563455.52	4235469.09	6.09E-04	5.43E-04	1.03E-04	8.71E-05	4.92E-04	3.98E-04	8.05E-05	7.72E-05	6.01E-05	3.95E-05
6024	563445.82	4235473.29	6.18E-04	5.51E-04	1.05E-04	8.84E-05	4.99E-04	4.05E-04	8.17E-05	7.84E-05	6.10E-05	4.01E-05
6025	563436.11	4235477.49	6.29E-04	5.61E-04	1.07E-04	8.99E-05	5.08E-04	4.11E-04	8.31E-05	7.98E-05	6.21E-05	4.07E-05
6026	563426.41	4235481.69	6.40E-04	5.71E-04	1.09E-04	9.15E-05	5.17E-04	4.19E-04	8.46E-05	8.12E-05	6.32E-05	4.15E-05
6027	563416.7	4235485.89	6.52E-04	5.81E-04	1.11E-04	9.32E-05	5.26E-04	4.26E-04	8.62E-05	8.27E-05	6.43E-05	4.22E-05
6028	563407	4235490.09	6.63E-04	5.91E-04	1.13E-04	9.48E-05	5.35E-04	4.34E-04	8.77E-05	8.41E-05	6.55E-05	4.30E-05
6029	563397.3	4235494.29	6.74E-04	6.02E-04	1.14E-04	9.64E-05	5.44E-04	4.41E-04	8.92E-05	8.56E-05	6.66E-05	4.37E-05
6030	563387.59	4235498.49	6.84E-04	6.10E-04	1.16E-04	9.78E-05	5.52E-04	4.48E-04	9.04E-05	8.68E-05	6.75E-05	4.43E-05
6031	563377.89	4235502.69	6.92E-04	6.18E-04	1.18E-04	9.90E-05	5.59E-04	4.53E-04	9.16E-05	8.79E-05	6.84E-05	4.49E-05
6032	563368.18	4235506.89	7.01E-04	6.26E-04	1.19E-04	1.00E-04	5.66E-04	4.59E-04	9.27E-05	8.90E-05	6.93E-05	4.55E-05
6033	563358.48	4235511.09	7.12E-04	6.35E-04	1.21E-04	1.02E-04	5.75E-04	4.66E-04	9.41E-05	9.03E-05	7.03E-05	4.61E-05
6034	563348.78	4235515.29	7.23E-04	6.45E-04	1.23E-04	1.03E-04	5.84E-04	4.73E-04	9.56E-05	9.18E-05	7.14E-05	4.69E-05
6035	563339.07	4235519.49	7.35E-04	6.55E-04	1.25E-04	1.05E-04	5.93E-04	4.81E-04	9.71E-05	9.32E-05	7.26E-05	4.76E-05
6036	563329.37	4235523.69	7.46E-04	6.65E-04	1.27E-04	1.07E-04	6.02E-04	4.88E-04	9.86E-05	9.46E-05	7.37E-05	4.83E-05
6037	563319.66	4235527.89	7.57E-04	6.75E-04	1.28E-04	1.08E-04	6.11E-04	4.95E-04	1.00E-04	9.60E-05	7.47E-05	4.90E-05
6038	563304.77	4235531.07	7.78E-04	6.94E-04	1.32E-04	1.11E-04	6.28E-04	5.09E-04	1.03E-04	9.87E-05	7.68E-05	5.04E-05
6039	563294.39	4235529.05	7.99E-04	7.13E-04	1.36E-04	1.14E-04	6.45E-04	5.23E-04	1.06E-04	1.01E-04	7.89E-05	5.18E-05
6040	563284.02	4235527.02	8.21E-04	7.32E-04	1.39E-04	1.17E-04	6.63E-04	5.37E-04	1.09E-04	1.04E-04	8.11E-05	5.32E-05
6041	563273.64	4235524.99	8.42E-04	7.51E-04	1.43E-04	1.20E-04	6.80E-04	5.51E-04	1.11E-04	1.07E-04	8.32E-05	5.46E-05
6042	563263.26	4235522.96	8.63E-04	7.70E-04	1.46E-04	1.23E-04	6.97E-04	5.65E-04	1.14E-04	1.10E-04	8.53E-05	5.59E-05
6043	563252.88	4235520.93	8.84E-04	7.89E-04	1.50E-04	1.26E-04	7.14E-04	5.79E-04	1.17E-04	1.12E-04	8.73E-05	5.73E-05
6044	563242.51	4235518.9	9.04E-04	8.07E-04	1.53E-04	1.29E-04	7.30E-04	5.92E-04	1.20E-04	1.15E-04	8.93E-05	5.86E-05
6045	563232.13	4235516.87	9.24E-04	8.24E-04	1.57E-04	1.32E-04	7.46E-04	6.05E-04	1.22E-04	1.17E-04	9.12E-05	5.99E-05
6046	563221.75	4235514.84	9.43E-04	8.41E-04	1.60E-04	1.35E-04	7.61E-04	6.17E-04	1.25E-04	1.20E-04	9.31E-05	6.11E-05
6047	563211.37	4235512.82	9.60E-04	8.57E-04	1.63E-04	1.37E-04	7.75E-04	6.29E-04	1.27E-04	1.22E-04	9.49E-05	6.22E-05
6048	563201	4235510.79	9.77E-04	8.72E-04	1.66E-04	1.40E-04	7.89E-04	6.39E-04	1.29E-04	1.24E-04	9.65E-05	6.33E-05
6049	563190.62	4235508.76	9.93E-04	8.85E-04	1.68E-04	1.42E-04	8.01E-04	6.50E-04	1.31E-04	1.26E-04	9.80E-05	6.43E-05
6050	563180.24	4235506.73	1.01E-03	8.98E-04	1.71E-04	1.44E-04	8.13E-04	6.59E-04	1.33E-04	1.28E-04	9.94E-05	6.52E-05
6051	563169.86	4235504.7	1.02E-03	9.09E-04	1.73E-04	1.46E-04	8.23E-04	6.67E-04	1.35E-04	1.29E-04	1.01E-04	6.60E-05
6052	563159.49	4235502.67	1.03E-03	9.19E-04	1.75E-04	1.47E-04	8.31E-04	6.74E-04	1.36E-04	1.31E-04	1.02E-04	6.67E-05
6053	563149.11	4235500.64	1.04E-03	9.27E-04	1.76E-04	1.49E-04	8.39E-04	6.80E-04	1.37E-04	1.32E-04	1.03E-04	6.73E-05
6054	563138.73	4235498.61	1.05E-03	9.34E-04	1.78E-04	1.50E-04	8.45E-04	6.85E-04	1.38E-04	1.33E-04	1.03E-04	6.78E-05
6055	563128.35	4235496.59	1.05E-03	9.39E-04	1.79E-04	1.51E-04	8.50E-04	6.89E-04	1.39E-04	1.34E-04	1.04E-04	6.82E-05
6056	563117.98	4235494.56	1.06E-03	9.42E-04	1.79E-04	1.51E-04	8.53E-04	6.91E-04	1.40E-04	1.34E-04	1.04E-04	6.85E-05
6057	563107.6	4235492.53	1.06E-03	9.43E-04	1.79E-04	1.51E-04	8.54E-04	6.92E-04	1.40E-04	1.34E-04	1.04E-04	6.85E-05
6058	563097.22	4235490.5	1.06E-03	9.42E-04	1.79E-04	1.51E-04	8.53E-04	6.91E-04	1.40E-04	1.34E-04	1.04E-04	6.84E-05
6059	563086.84	4235488.47	1.05E-03	9.39E-04	1.79E-04	1.51E-04	8.50E-04	6.89E-04	1.39E-04	1.34E-04	1.04E-04	6.82E-05
6060	563076.47	4235486.44	1.05E-03	9.35E-04	1.78E-04	1.50E-04	8.46E-04	6.86E-04	1.39E-04	1.33E-04	1.03E-04	6.79E-05
6061	563066.09	4235484.41	1.04E-03	9.28E-04	1.76E-04	1.49E-04	8.40E-04	6.81E-04	1.38E-04	1.32E-04	1.03E-04	6.74E-05
6062	563055.71	4235482.38	1.03E-03	9.17E-04	1.74E-04	1.47E-04	8.30E-04	6.73E-04	1.36E-04	1.30E-04	1.02E-04	6.66E-05
6063	563045.33	4235480.36	1.01E-03	9.05E-04	1.72E-04	1.45E-04	8.19E-04	6.64E-04	1.34E-04	1.29E-04	1.00E-04	6.57E-05
6064	563034.96	4235478.33	9.98E-04	8.90E-04	1.69E-04	1.43E-04	8.06E-04	6.53E-04	1.32E-04	1.27E-04	9.86E-05	6.47E-05
6065	563024.58	4235476.3	9.80E-04	8.74E-04	1.66E-04	1.40E-04	7.91E-04	6.41E-04	1.30E-04	1.24E-04	9.67E-05	6.35E-05
6066	563014.2	4235474.27	9.60E-04	8.56E-04	1.63E-04	1.37E-04	7.75E-04	6.28E-04	1.27E-04	1.22E-04	9.48E-05	6.22E-05
6067	563003.82	4235472.24	9.38E-04	8.37E-04	1.59E-04	1.34E-04	7.58E-04	6.14E-04	1.24E-04	1.19E-04	9.27E-05	6.08E-05
6068	562993.45	4235470.21	9.16E-04	8.17E-04	1.55E-04	1.31E-04	7.39E-04	5.99E-04	1.21E-04	1.16E-04	9.04E-05	5.94E-05

6069	562983.07	4235468.18	8.92E-04	7.96E-04	1.51E-04	1.28E-04	7.21E-04	5.84E-04	1.18E-04	1.13E-04	8.81E-05	5.78E-05
6070	563629.36	4235392.14	4.81E-04	4.29E-04	8.17E-05	6.89E-05	3.89E-04	3.15E-04	6.37E-05	6.11E-05	4.75E-05	3.12E-05
6071	563646.57	4235428.03	4.45E-04	3.97E-04	7.55E-05	6.36E-05	3.59E-04	2.91E-04	5.88E-05	5.65E-05	4.39E-05	2.88E-05
6072	563636.94	4235432.19	4.54E-04	4.05E-04	7.70E-05	6.49E-05	3.67E-04	2.97E-04	6.00E-05	5.76E-05	4.48E-05	2.94E-05
6073	563627.31	4235436.36	4.62E-04	4.12E-04	7.84E-05	6.60E-05	3.73E-04	3.02E-04	6.11E-05	5.86E-05	4.56E-05	2.99E-05
6074	563617.68	4235440.53	4.69E-04	4.18E-04	7.95E-05	6.70E-05	3.78E-04	3.07E-04	6.20E-05	5.95E-05	4.63E-05	3.04E-05
6075	563608.04	4235444.7	4.75E-04	4.24E-04	8.06E-05	6.79E-05	3.84E-04	3.11E-04	6.28E-05	6.03E-05	4.69E-05	3.08E-05
6076	563598.41	4235448.87	4.81E-04	4.29E-04	8.17E-05	6.88E-05	3.89E-04	3.15E-04	6.37E-05	6.11E-05	4.75E-05	3.12E-05
6077	563588.78	4235453.04	4.88E-04	4.36E-04	8.28E-05	6.98E-05	3.94E-04	3.19E-04	6.46E-05	6.19E-05	4.82E-05	3.16E-05
6078	563579.15	4235457.21	4.95E-04	4.42E-04	8.40E-05	7.08E-05	4.00E-04	3.24E-04	6.55E-05	6.28E-05	4.89E-05	3.21E-05
6079	563569.52	4235461.38	5.02E-04	4.48E-04	8.52E-05	7.18E-05	4.06E-04	3.29E-04	6.64E-05	6.37E-05	4.96E-05	3.26E-05
6080	563559.88	4235465.55	5.10E-04	4.55E-04	8.66E-05	7.30E-05	4.12E-04	3.34E-04	6.75E-05	6.47E-05	5.04E-05	3.31E-05
6081	563550.25	4235469.72	5.17E-04	4.61E-04	8.77E-05	7.39E-05	4.17E-04	3.38E-04	6.83E-05	6.56E-05	5.10E-05	3.35E-05
6082	563540.62	4235473.89	5.21E-04	4.65E-04	8.84E-05	7.45E-05	4.21E-04	3.41E-04	6.89E-05	6.61E-05	5.14E-05	3.38E-05
6083	563530.99	4235478.05	5.25E-04	4.68E-04	8.91E-05	7.51E-05	4.24E-04	3.43E-04	6.94E-05	6.66E-05	5.18E-05	3.40E-05
6084	563521.35	4235482.22	5.28E-04	4.71E-04	8.97E-05	7.56E-05	4.27E-04	3.46E-04	6.99E-05	6.71E-05	5.22E-05	3.43E-05
6085	563511.72	4235486.39	5.32E-04	4.74E-04	9.03E-05	7.61E-05	4.29E-04	3.48E-04	7.03E-05	6.75E-05	5.25E-05	3.45E-05
6086	563502.09	4235490.56	5.35E-04	4.78E-04	9.09E-05	7.66E-05	4.32E-04	3.50E-04	7.08E-05	6.79E-05	5.29E-05	3.47E-05
6087	563492.46	4235494.73	5.40E-04	4.82E-04	9.16E-05	7.72E-05	4.36E-04	3.53E-04	7.14E-05	6.85E-05	5.33E-05	3.50E-05
6088	563482.82	4235498.9	5.45E-04	4.87E-04	9.25E-05	7.80E-05	4.40E-04	3.57E-04	7.21E-05	6.92E-05	5.39E-05	3.53E-05
6089	563473.19	4235503.07	5.53E-04	4.93E-04	9.39E-05	7.91E-05	4.47E-04	3.62E-04	7.32E-05	7.02E-05	5.46E-05	3.59E-05
6090	563463.56	4235507.24	5.62E-04	5.01E-04	9.53E-05	8.03E-05	4.53E-04	3.67E-04	7.43E-05	7.13E-05	5.55E-05	3.64E-05
6091	563453.93	4235511.41	5.71E-04	5.09E-04	9.68E-05	8.16E-05	4.61E-04	3.73E-04	7.54E-05	7.24E-05	5.63E-05	3.70E-05
6092	563444.3	4235515.58	5.79E-04	5.17E-04	9.83E-05	8.28E-05	4.68E-04	3.79E-04	7.66E-05	7.35E-05	5.72E-05	3.75E-05
6093	563434.66	4235519.74	5.88E-04	5.24E-04	9.97E-05	8.40E-05	4.74E-04	3.84E-04	7.77E-05	7.46E-05	5.80E-05	3.81E-05
6094	563425.03	4235523.91	5.96E-04	5.31E-04	1.01E-04	8.52E-05	4.81E-04	3.90E-04	7.88E-05	7.56E-05	5.88E-05	3.86E-05
6095	563415.4	4235528.08	6.04E-04	5.39E-04	1.02E-04	8.63E-05	4.87E-04	3.95E-04	7.98E-05	7.66E-05	5.96E-05	3.91E-05
6096	563405.77	4235532.25	6.11E-04	5.45E-04	1.04E-04	8.74E-05	4.94E-04	4.00E-04	8.09E-05	7.76E-05	6.04E-05	3.96E-05
6097	563396.13	4235536.42	6.19E-04	5.52E-04	1.05E-04	8.86E-05	5.00E-04	4.05E-04	8.19E-05	7.86E-05	6.12E-05	4.01E-05
6098	563386.5	4235540.59	6.29E-04	5.61E-04	1.07E-04	8.99E-05	5.08E-04	4.11E-04	8.31E-05	7.98E-05	6.21E-05	4.07E-05
6099	563376.87	4235544.76	6.39E-04	5.70E-04	1.08E-04	9.13E-05	5.16E-04	4.18E-04	8.45E-05	8.10E-05	6.31E-05	4.14E-05
6100	563367.24	4235548.93	6.49E-04	5.79E-04	1.10E-04	9.28E-05	5.24E-04	4.24E-04	8.58E-05	8.23E-05	6.41E-05	4.20E-05
6101	563357.6	4235553.1	6.59E-04	5.88E-04	1.12E-04	9.42E-05	5.32E-04	4.31E-04	8.71E-05	8.36E-05	6.50E-05	4.27E-05
6102	563347.97	4235557.27	6.69E-04	5.96E-04	1.13E-04	9.56E-05	5.40E-04	4.38E-04	8.84E-05	8.48E-05	6.60E-05	4.33E-05
6103	563338.34	4235561.43	6.78E-04	6.05E-04	1.15E-04	9.70E-05	5.48E-04	4.44E-04	8.97E-05	8.61E-05	6.70E-05	4.40E-05
6104	563328.71	4235565.6	6.88E-04	6.14E-04	1.17E-04	9.84E-05	5.55E-04	4.50E-04	9.10E-05	8.73E-05	6.79E-05	4.46E-05
6105	563319.08	4235569.77	6.97E-04	6.22E-04	1.18E-04	9.97E-05	5.63E-04	4.56E-04	9.22E-05	8.85E-05	6.89E-05	4.52E-05
6106	563309.11	4235570.85	7.11E-04	6.34E-04	1.21E-04	1.02E-04	5.74E-04	4.65E-04	9.40E-05	9.02E-05	7.02E-05	4.61E-05
6107	563298.81	4235568.84	7.29E-04	6.51E-04	1.24E-04	1.04E-04	5.89E-04	4.77E-04	9.65E-05	9.26E-05	7.20E-05	4.73E-05
6108	563288.51	4235566.82	7.48E-04	6.67E-04	1.27E-04	1.07E-04	6.04E-04	4.89E-04	9.89E-05	9.49E-05	7.39E-05	4.85E-05
6109	563278.21	4235564.81	7.66E-04	6.84E-04	1.30E-04	1.10E-04	6.19E-04	5.02E-04	1.01E-04	9.73E-05	7.57E-05	4.97E-05
6110	563267.91	4235562.8	7.85E-04	7.00E-04	1.33E-04	1.12E-04	6.34E-04	5.14E-04	1.04E-04	9.96E-05	7.75E-05	5.09E-05
6111	563257.6	4235560.78	8.03E-04	7.16E-04	1.36E-04	1.15E-04	6.48E-04	5.25E-04	1.06E-04	1.02E-04	7.93E-05	5.20E-05
6112	563247.3	4235558.77	8.20E-04	7.32E-04	1.39E-04	1.17E-04	6.62E-04	5.37E-04	1.08E-04	1.04E-04	8.10E-05	5.32E-05
6113	563237	4235556.75	8.38E-04	7.47E-04	1.42E-04	1.20E-04	6.76E-04	5.48E-04	1.11E-04	1.06E-04	8.27E-05	5.43E-05
6114	563226.7	4235554.74	8.54E-04	7.62E-04	1.45E-04	1.22E-04	6.90E-04	5.59E-04	1.13E-04	1.08E-04	8.43E-05	5.53E-05
6115	563216.4	4235552.73	8.70E-04	7.76E-04	1.48E-04	1.24E-04	7.02E-04	5.69E-04	1.15E-04	1.10E-04	8.59E-05	5.64E-05
6116	563206.1	4235550.71	8.85E-04	7.89E-04	1.50E-04	1.27E-04	7.14E-04	5.79E-04	1.17E-04	1.12E-04	8.74E-05	5.73E-05
6117	563195.8	4235548.7	8.99E-04	8.02E-04	1.52E-04	1.29E-04	7.26E-04	5.88E-04	1.19E-04	1.14E-04	8.87E-05	5.82E-05
6118	563185.5	4235546.69	9.11E-04	8.13E-04	1.55E-04	1.30E-04	7.36E-04	5.96E-04	1.21E-04	1.16E-04	9.00E-05	5.91E-05
6119	563175.2	4235544.67	9.23E-04	8.23E-04	1.57E-04	1.32E-04	7.45E-04	6.04E-04	1.22E-04	1.17E-04	9.12E-05	5.98E-05
6120	563164.9	4235542.66	9.33E-04	8.33E-04	1.58E-04	1.33E-04	7.54E-04	6.11E-04	1.23E-04	1.18E-04	9.22E-05	6.05E-05
6121	563154.6	4235540.64	9.42E-04	8.41E-04	1.60E-04	1.35E-04	7.61E-04	6.17E-04	1.25E-04	1.20E-04	9.31E-05	6.11E-05
6122	563144.3	4235538.63	9.50E-04	8.47E-04	1.61E-04	1.36E-04	7.67E-04	6.21E-04	1.26E-04	1.21E-04	9.38E-05	6.15E-05
6123	563133.99	4235536.62	9.55E-04	8.52E-04	1.62E-04	1.37E-04	7.71E-04	6.25E-04	1.26E-04	1.21E-04	9.43E-05	6.19E-05
6124	563123.69	4235534.6	9.59E-04	8.56E-04	1.63E-04	1.37E-04	7.75E-04	6.28E-04	1.27E-04	1.22E-04	9.47E-05	6.22E-05
6125	563113.39	4235532.59	9.61E-04	8.58E-04	1.63E-04	1.37E-04	7.76E-04	6.29E-04	1.27E-04	1.22E-04	9.49E-05	6.23E-05
6126	563103.09	4235530.58	9.61E-04	8.58E-04	1.63E-04	1.37E-04	7.76E-04	6.29E-04	1.27E-04	1.22E-04	9.49E-05	6.23E-05
6127	563092.79	4235528.56	9.60E-04	8.56E-04	1.63E-04	1.37E-04	7.75E-04	6.28E-04	1.27E-04	1.22E-04	9.48E-05	6.22E-05
6128	563082.49	4235526.55	9.57E-04	8.54E-04	1.62E-04	1.37E-04	7.73E-04	6.26E-04	1.27E-04	1.21E-04	9.45E-05	6.20E-05
6129	563072.19	4235524.53	9.53E-04	8.50E-04	1.62E-04	1.36E-04	7.69E-04	6.23E-04	1.26E-04	1.21E-04	9.41E-05	6.17E-05
6130	563061.89	4235522.52	9.46E-04	8.44E-04	1.61E-04	1.35E-04	7.64E-04	6.19E-04	1.25E-04	1.20E-04	9.35E-05	6.13E-05
6131	563051.59	4235520.51	9.37E-04	8.36E-04	1.59E-04	1.34E-04	7.57E-04	6.13E-04	1.24E-04	1.19E-04	9.26E-05	6.07E-05
6132	563041.29	4235518.49	9.26E-04	8.26E-04	1.57E-04	1.32E-04	7.48E-04	6.06E-04	1.22E-04	1.18E-04	9.15E-05	6.00E-05
6133	563030.99	4235516.48	9.14E-04	8.15E-04	1.55E-04	1.31E-04	7.38E-04	5.98E-04	1.21E-04	1.16E-04	9.02E-05	5.92E-05
6134	563020.69	4235514.47	9.00E-04	8.03E-04	1.53E-04	1.29E-04	7.27E-04	5.89E-04	1.19E-04	1.14E-04	8.89E-05	5.83E-05
6135	563010.38	4235512.45	8.84E-04	7.89E-04	1.50E-04	1.26E-04	7.14E-04	5.79E-04	1.17E-04	1.12E-04	8.73E-05	5.73E-05
6136	563000.08	4235510.44	8.67E-04	7.73E-04	1.47E-04	1.24E-04	7.00E-04	5.67E-04	1.15E-04	1.10E-04	8.56E-05	5.62E-05
6137	562989.78	4235508.42	8.48E-04	7.56E-04	1.44E-04	1.21E-04	6.85E-04	5.55E-04	1.12E-04	1.08E-04	8.37E-05	5.49E-05

6138	562979.48	4235506.41	8.28E-04	7.39E-04	1.40E-04	1.18E-04	6.68E-04	5.42E-04	1.09E-04	1.05E-04	8.18E-05	5.37E-05
6139	562969.18	4235504.4	8.07E-04	7.20E-04	1.37E-04	1.15E-04	6.52E-04	5.28E-04	1.07E-04	1.02E-04	7.97E-05	5.23E-05
6140	563655.41	4235422.49	4.37E-04	3.90E-04	7.42E-05	6.25E-05	3.53E-04	2.86E-04	5.78E-05	5.55E-05	4.32E-05	2.83E-05
6141	563672.59	4235458.39	4.06E-04	3.62E-04	6.88E-05	5.80E-05	3.27E-04	2.65E-04	5.36E-05	5.15E-05	4.01E-05	2.63E-05
6142	563662.89	4235462.59	4.14E-04	3.69E-04	7.02E-05	5.92E-05	3.34E-04	2.71E-04	5.47E-05	5.25E-05	4.09E-05	2.68E-05
6143	563653.19	4235466.79	4.21E-04	3.76E-04	7.15E-05	6.03E-05	3.40E-04	2.76E-04	5.57E-05	5.35E-05	4.16E-05	2.73E-05
6144	563643.49	4235470.99	4.29E-04	3.83E-04	7.28E-05	6.13E-05	3.46E-04	2.81E-04	5.67E-05	5.44E-05	4.24E-05	2.78E-05
6145	563633.79	4235475.19	4.36E-04	3.89E-04	7.40E-05	6.24E-05	3.52E-04	2.85E-04	5.77E-05	5.53E-05	4.31E-05	2.83E-05
6146	563624.09	4235479.39	4.42E-04	3.94E-04	7.49E-05	6.32E-05	3.57E-04	2.89E-04	5.84E-05	5.60E-05	4.36E-05	2.86E-05
6147	563614.39	4235483.58	4.47E-04	3.99E-04	7.59E-05	6.40E-05	3.61E-04	2.93E-04	5.91E-05	5.67E-05	4.42E-05	2.90E-05
6148	563604.69	4235487.78	4.53E-04	4.04E-04	7.69E-05	6.48E-05	3.66E-04	2.97E-04	5.99E-05	5.75E-05	4.48E-05	2.94E-05
6149	563594.99	4235491.98	4.60E-04	4.10E-04	7.80E-05	6.58E-05	3.71E-04	3.01E-04	6.08E-05	5.83E-05	4.54E-05	2.98E-05
6150	563585.29	4235496.18	4.66E-04	4.16E-04	7.91E-05	6.67E-05	3.76E-04	3.05E-04	6.16E-05	5.91E-05	4.60E-05	3.02E-05
6151	563575.6	4235500.38	4.71E-04	4.20E-04	7.99E-05	6.73E-05	3.80E-04	3.08E-04	6.22E-05	5.97E-05	4.65E-05	3.05E-05
6152	563565.9	4235504.57	4.73E-04	4.22E-04	8.03E-05	6.77E-05	3.82E-04	3.10E-04	6.26E-05	6.01E-05	4.68E-05	3.07E-05
6153	563556.2	4235508.77	4.76E-04	4.24E-04	8.07E-05	6.81E-05	3.84E-04	3.11E-04	6.29E-05	6.04E-05	4.70E-05	3.08E-05
6154	563546.5	4235512.97	4.78E-04	4.27E-04	8.12E-05	6.84E-05	3.86E-04	3.13E-04	6.33E-05	6.07E-05	4.73E-05	3.10E-05
6155	563536.8	4235517.17	4.82E-04	4.30E-04	8.17E-05	6.89E-05	3.89E-04	3.15E-04	6.37E-05	6.11E-05	4.76E-05	3.12E-05
6156	563527.1	4235521.37	4.85E-04	4.33E-04	8.24E-05	6.94E-05	3.92E-04	3.18E-04	6.42E-05	6.16E-05	4.79E-05	3.15E-05
6157	563517.4	4235525.56	4.89E-04	4.36E-04	8.30E-05	7.00E-05	3.95E-04	3.20E-04	6.47E-05	6.21E-05	4.83E-05	3.17E-05
6158	563507.7	4235529.76	4.94E-04	4.41E-04	8.39E-05	7.07E-05	3.99E-04	3.24E-04	6.54E-05	6.27E-05	4.88E-05	3.20E-05
6159	563498	4235533.96	5.01E-04	4.47E-04	8.50E-05	7.16E-05	4.05E-04	3.28E-04	6.63E-05	6.36E-05	4.95E-05	3.25E-05
6160	563488.3	4235538.16	5.08E-04	4.53E-04	8.62E-05	7.27E-05	4.10E-04	3.33E-04	6.72E-05	6.45E-05	5.02E-05	3.29E-05
6161	563478.6	4235542.36	5.16E-04	4.60E-04	8.75E-05	7.38E-05	4.16E-04	3.37E-04	6.82E-05	6.54E-05	5.09E-05	3.34E-05
6162	563468.9	4235546.55	5.23E-04	4.66E-04	8.87E-05	7.48E-05	4.22E-04	3.42E-04	6.91E-05	6.63E-05	5.16E-05	3.39E-05
6163	563459.2	4235550.75	5.30E-04	4.73E-04	8.99E-05	7.58E-05	4.28E-04	3.47E-04	7.01E-05	6.72E-05	5.23E-05	3.43E-05
6164	563449.5	4235554.95	5.37E-04	4.79E-04	9.11E-05	7.67E-05	4.33E-04	3.51E-04	7.10E-05	6.81E-05	5.30E-05	3.48E-05
6165	563439.8	4235559.15	5.43E-04	4.85E-04	9.22E-05	7.77E-05	4.39E-04	3.55E-04	7.18E-05	6.89E-05	5.36E-05	3.52E-05
6166	563430.1	4235563.35	5.50E-04	4.91E-04	9.33E-05	7.87E-05	4.44E-04	3.60E-04	7.27E-05	6.98E-05	5.43E-05	3.57E-05
6167	563420.4	4235567.55	5.57E-04	4.97E-04	9.45E-05	7.97E-05	4.50E-04	3.65E-04	7.37E-05	7.07E-05	5.50E-05	3.61E-05
6168	563410.7	4235571.74	5.64E-04	5.03E-04	9.58E-05	8.07E-05	4.56E-04	3.69E-04	7.46E-05	7.16E-05	5.57E-05	3.66E-05
6169	563401	4235575.94	5.72E-04	5.10E-04	9.71E-05	8.18E-05	4.62E-04	3.74E-04	7.56E-05	7.26E-05	5.65E-05	3.71E-05
6170	563391.31	4235580.14	5.80E-04	5.18E-04	9.84E-05	8.30E-05	4.68E-04	3.80E-04	7.67E-05	7.36E-05	5.73E-05	3.76E-05
6171	563381.61	4235584.34	5.89E-04	5.25E-04	9.99E-05	8.42E-05	4.76E-04	3.85E-04	7.79E-05	7.47E-05	5.82E-05	3.82E-05
6172	563371.91	4235588.54	5.98E-04	5.33E-04	1.01E-04	8.55E-05	4.83E-04	3.91E-04	7.91E-05	7.59E-05	5.90E-05	3.87E-05
6173	563362.21	4235592.73	6.07E-04	5.41E-04	1.03E-04	8.68E-05	4.90E-04	3.97E-04	8.02E-05	7.70E-05	5.99E-05	3.93E-05
6174	563352.51	4235596.93	6.15E-04	5.49E-04	1.04E-04	8.80E-05	4.97E-04	4.03E-04	8.14E-05	7.81E-05	6.08E-05	3.99E-05
6175	563342.81	4235601.13	6.24E-04	5.57E-04	1.06E-04	8.93E-05	5.04E-04	4.08E-04	8.25E-05	7.92E-05	6.16E-05	4.04E-05
6176	563333.11	4235605.33	6.33E-04	5.64E-04	1.07E-04	9.05E-05	5.11E-04	4.14E-04	8.37E-05	8.03E-05	6.25E-05	4.10E-05
6177	563323.41	4235609.53	6.41E-04	5.72E-04	1.09E-04	9.16E-05	5.17E-04	4.19E-04	8.47E-05	8.13E-05	6.33E-05	4.15E-05
6178	563313.37	4235610.61	6.53E-04	5.83E-04	1.11E-04	9.34E-05	5.27E-04	4.27E-04	8.64E-05	8.29E-05	6.45E-05	4.23E-05
6179	563303	4235608.58	6.69E-04	5.97E-04	1.14E-04	9.57E-05	5.40E-04	4.38E-04	8.85E-05	8.49E-05	6.61E-05	4.34E-05
6180	563292.63	4235606.56	6.86E-04	6.12E-04	1.16E-04	9.81E-05	5.54E-04	4.49E-04	9.07E-05	8.70E-05	6.77E-05	4.44E-05
6181	563282.25	4235604.53	7.02E-04	6.26E-04	1.19E-04	1.00E-04	5.67E-04	4.59E-04	9.28E-05	8.91E-05	6.93E-05	4.55E-05
6182	563271.88	4235602.5	7.18E-04	6.41E-04	1.22E-04	1.03E-04	5.80E-04	4.70E-04	9.50E-05	9.11E-05	7.09E-05	4.65E-05
6183	563261.51	4235600.47	7.34E-04	6.55E-04	1.25E-04	1.05E-04	5.93E-04	4.80E-04	9.71E-05	9.31E-05	7.25E-05	4.76E-05
6184	563251.14	4235598.44	7.50E-04	6.69E-04	1.27E-04	1.07E-04	6.05E-04	4.91E-04	9.91E-05	9.51E-05	7.40E-05	4.86E-05
6185	563240.76	4235596.42	7.65E-04	6.82E-04	1.30E-04	1.09E-04	6.18E-04	5.01E-04	1.01E-04	9.71E-05	7.55E-05	4.96E-05
6186	563230.39	4235594.39	7.80E-04	6.95E-04	1.32E-04	1.11E-04	6.29E-04	5.10E-04	1.03E-04	9.89E-05	7.70E-05	5.05E-05
6187	563220.02	4235592.36	7.94E-04	7.08E-04	1.35E-04	1.14E-04	6.41E-04	5.19E-04	1.05E-04	1.01E-04	7.84E-05	5.14E-05
6188	563209.65	4235590.33	8.07E-04	7.20E-04	1.37E-04	1.15E-04	6.52E-04	5.28E-04	1.07E-04	1.02E-04	7.97E-05	5.23E-05
6189	563199.27	4235588.31	8.20E-04	7.31E-04	1.39E-04	1.17E-04	6.62E-04	5.37E-04	1.08E-04	1.04E-04	8.10E-05	5.31E-05
6190	563188.9	4235586.28	8.32E-04	7.42E-04	1.41E-04	1.19E-04	6.71E-04	5.44E-04	1.10E-04	1.06E-04	8.21E-05	5.39E-05
6191	563178.53	4235584.25	8.42E-04	7.51E-04	1.43E-04	1.20E-04	6.80E-04	5.51E-04	1.11E-04	1.07E-04	8.32E-05	5.46E-05
6192	563168.16	4235582.22	8.52E-04	7.60E-04	1.45E-04	1.22E-04	6.88E-04	5.58E-04	1.13E-04	1.08E-04	8.42E-05	5.52E-05
6193	563157.78	4235580.19	8.61E-04	7.68E-04	1.46E-04	1.23E-04	6.95E-04	5.63E-04	1.14E-04	1.09E-04	8.50E-05	5.58E-05
6194	563147.41	4235578.17	8.68E-04	7.74E-04	1.47E-04	1.24E-04	7.01E-04	5.68E-04	1.15E-04	1.10E-04	8.57E-05	5.62E-05
6195	563137.04	4235576.14	8.74E-04	7.80E-04	1.48E-04	1.25E-04	7.06E-04	5.72E-04	1.16E-04	1.11E-04	8.63E-05	5.66E-05
6196	563126.66	4235574.11	8.78E-04	7.84E-04	1.49E-04	1.26E-04	7.09E-04	5.75E-04	1.16E-04	1.11E-04	8.67E-05	5.69E-05
6197	563116.29	4235572.08	8.81E-04	7.86E-04	1.50E-04	1.26E-04	7.12E-04	5.77E-04	1.17E-04	1.12E-04	8.70E-05	5.71E-05
6198	563105.92	4235570.06	8.83E-04	7.87E-04	1.50E-04	1.26E-04	7.13E-04	5.78E-04	1.17E-04	1.12E-04	8.72E-05	5.72E-05
6199	563095.55	4235568.03	8.82E-04	7.87E-04	1.50E-04	1.26E-04	7.12E-04	5.77E-04	1.17E-04	1.12E-04	8.71E-05	5.72E-05
6200	563085.17	4235566	8.80E-04	7.85E-04	1.49E-04	1.26E-04	7.11E-04	5.76E-04	1.16E-04	1.12E-04	8.69E-05	5.70E-05
6201	563074.8	4235563.97	8.76E-04	7.82E-04	1.49E-04	1.25E-04	7.08E-04	5.74E-04	1.16E-04	1.11E-04	8.66E-05	5.68E-05
6202	563064.43	4235561.94	8.71E-04	7.77E-04	1.48E-04	1.25E-04	7.03E-04	5.70E-04	1.15E-04	1.10E-04	8.60E-05	5.64E-05
6203	563054.06	4235559.92	8.63E-04	7.70E-04	1.47E-04	1.23E-04	6.97E-04	5.65E-04	1.14E-04	1.10E-04	8.53E-05	5.60E-05
6204	563043.68	4235557.89	8.54E-04	7.62E-04	1.45E-04	1.22E-04	6.90E-04	5.59E-04	1.13E-04	1.08E-04	8.44E-05	5.54E-05
6205	563033.31	4235555.86	8.44E-04	7.53E-04	1.43E-04	1.21E-04	6.81E-04	5.52E-04	1.12E-04	1.07E-04	8.33E-05	5.47E-05
6206	563022.94	4235553.83	8.33E-04	7.43E-04	1.41E-04	1.19E-04	6.72E-04	5.45E-04	1.10E-04	1.06E-04	8.23E-05	5.40E-05

6207	563012.57	4235551.81	8.21E-04	7.32E-04	1.39E-04	1.17E-04	6.63E-04	5.37E-04	1.09E-04	1.04E-04	8.11E-05	5.32E-05
6208	563002.19	4235549.78	8.08E-04	7.21E-04	1.37E-04	1.16E-04	6.53E-04	5.29E-04	1.07E-04	1.03E-04	7.98E-05	5.24E-05
6209	562991.82	4235547.75	7.93E-04	7.07E-04	1.35E-04	1.13E-04	6.40E-04	5.19E-04	1.05E-04	1.01E-04	7.83E-05	5.14E-05
6210	562981.45	4235545.72	7.77E-04	6.93E-04	1.32E-04	1.11E-04	6.27E-04	5.08E-04	1.03E-04	9.86E-05	7.67E-05	5.03E-05
6211	562971.07	4235543.69	7.59E-04	6.77E-04	1.29E-04	1.09E-04	6.13E-04	4.97E-04	1.00E-04	9.63E-05	7.50E-05	4.92E-05
6212	562960.7	4235541.67	7.39E-04	6.59E-04	1.25E-04	1.06E-04	5.96E-04	4.83E-04	9.77E-05	9.37E-05	7.29E-05	4.79E-05
6213	562950.33	4235539.64	7.17E-04	6.40E-04	1.22E-04	1.03E-04	5.79E-04	4.69E-04	9.49E-05	9.10E-05	7.09E-05	4.65E-05
6214	563698.67	4235488.74	3.72E-04	3.32E-04	6.31E-05	5.32E-05	3.00E-04	2.43E-04	4.92E-05	4.72E-05	3.67E-05	2.41E-05
6215	563689.04	4235492.91	3.78E-04	3.38E-04	6.42E-05	5.41E-05	3.06E-04	2.48E-04	5.01E-05	4.80E-05	3.74E-05	2.45E-05
6216	563679.4	4235497.08	3.85E-04	3.44E-04	6.54E-05	5.51E-05	3.11E-04	2.52E-04	5.10E-05	4.89E-05	3.81E-05	2.50E-05
6217	563669.76	4235501.25	3.92E-04	3.50E-04	6.65E-05	5.61E-05	3.17E-04	2.57E-04	5.19E-05	4.98E-05	3.87E-05	2.54E-05
6218	563660.13	4235505.42	3.98E-04	3.55E-04	6.76E-05	5.70E-05	3.22E-04	2.61E-04	5.27E-05	5.05E-05	3.93E-05	2.58E-05
6219	563650.49	4235509.59	4.04E-04	3.61E-04	6.86E-05	5.78E-05	3.27E-04	2.65E-04	5.35E-05	5.13E-05	3.99E-05	2.62E-05
6220	563640.85	4235513.76	4.11E-04	3.66E-04	6.97E-05	5.87E-05	3.31E-04	2.69E-04	5.43E-05	5.21E-05	4.05E-05	2.66E-05
6221	563631.22	4235517.93	4.16E-04	3.72E-04	7.07E-05	5.96E-05	3.36E-04	2.73E-04	5.51E-05	5.28E-05	4.11E-05	2.70E-05
6222	563621.58	4235522.1	4.22E-04	3.77E-04	7.17E-05	6.04E-05	3.41E-04	2.76E-04	5.59E-05	5.36E-05	4.17E-05	2.74E-05
6223	563611.95	4235526.27	4.27E-04	3.81E-04	7.24E-05	6.10E-05	3.45E-04	2.79E-04	5.64E-05	5.41E-05	4.21E-05	2.77E-05
6224	563602.31	4235530.44	4.30E-04	3.84E-04	7.30E-05	6.15E-05	3.47E-04	2.82E-04	5.69E-05	5.46E-05	4.25E-05	2.79E-05
6225	563592.67	4235534.61	4.33E-04	3.87E-04	7.35E-05	6.20E-05	3.50E-04	2.84E-04	5.73E-05	5.50E-05	4.28E-05	2.81E-05
6226	563583.04	4235538.78	4.36E-04	3.89E-04	7.40E-05	6.24E-05	3.52E-04	2.86E-04	5.77E-05	5.54E-05	4.31E-05	2.83E-05
6227	563573.4	4235542.95	4.39E-04	3.92E-04	7.45E-05	6.28E-05	3.55E-04	2.88E-04	5.81E-05	5.57E-05	4.34E-05	2.85E-05
6228	563563.76	4235547.13	4.42E-04	3.95E-04	7.50E-05	6.33E-05	3.57E-04	2.89E-04	5.85E-05	5.61E-05	4.37E-05	2.87E-05
6229	563554.13	4235551.3	4.45E-04	3.97E-04	7.56E-05	6.37E-05	3.60E-04	2.91E-04	5.89E-05	5.65E-05	4.40E-05	2.89E-05
6230	563544.49	4235555.47	4.48E-04	4.00E-04	7.61E-05	6.41E-05	3.62E-04	2.93E-04	5.93E-05	5.69E-05	4.43E-05	2.91E-05
6231	563534.86	4235559.64	4.53E-04	4.04E-04	7.69E-05	6.48E-05	3.66E-04	2.97E-04	6.00E-05	5.75E-05	4.48E-05	2.94E-05
6232	563525.22	4235563.81	4.59E-04	4.10E-04	7.79E-05	6.57E-05	3.71E-04	3.01E-04	6.07E-05	5.83E-05	4.54E-05	2.98E-05
6233	563515.58	4235567.98	4.65E-04	4.15E-04	7.90E-05	6.65E-05	3.76E-04	3.04E-04	6.15E-05	5.90E-05	4.60E-05	3.02E-05
6234	563505.95	4235572.15	4.70E-04	4.19E-04	7.97E-05	6.72E-05	3.79E-04	3.08E-04	6.21E-05	5.96E-05	4.64E-05	3.05E-05
6235	563496.31	4235576.32	4.75E-04	4.23E-04	8.05E-05	6.79E-05	3.83E-04	3.11E-04	6.28E-05	6.02E-05	4.69E-05	3.08E-05
6236	563486.68	4235580.49	4.80E-04	4.28E-04	8.14E-05	6.86E-05	3.87E-04	3.14E-04	6.34E-05	6.09E-05	4.74E-05	3.11E-05
6237	563477.04	4235584.66	4.84E-04	4.32E-04	8.22E-05	6.93E-05	3.91E-04	3.17E-04	6.40E-05	6.14E-05	4.78E-05	3.14E-05
6238	563467.4	4235588.83	4.89E-04	4.36E-04	8.29E-05	6.99E-05	3.94E-04	3.20E-04	6.46E-05	6.20E-05	4.82E-05	3.17E-05
6239	563457.77	4235593	4.93E-04	4.40E-04	8.36E-05	7.05E-05	3.98E-04	3.22E-04	6.52E-05	6.25E-05	4.87E-05	3.19E-05
6240	563448.13	4235597.17	4.98E-04	4.44E-04	8.45E-05	7.12E-05	4.02E-04	3.26E-04	6.59E-05	6.32E-05	4.92E-05	3.23E-05
6241	563438.49	4235601.34	5.05E-04	4.50E-04	8.57E-05	7.22E-05	4.08E-04	3.30E-04	6.68E-05	6.41E-05	4.99E-05	3.27E-05
6242	563428.86	4235605.52	5.12E-04	4.57E-04	8.69E-05	7.32E-05	4.13E-04	3.35E-04	6.77E-05	6.50E-05	5.06E-05	3.32E-05
6243	563419.22	4235609.69	5.19E-04	4.63E-04	8.81E-05	7.43E-05	4.19E-04	3.40E-04	6.87E-05	6.59E-05	5.13E-05	3.37E-05
6244	563409.59	4235613.86	5.27E-04	4.70E-04	8.94E-05	7.53E-05	4.25E-04	3.45E-04	6.97E-05	6.68E-05	5.20E-05	3.41E-05
6245	563399.95	4235618.03	5.34E-04	4.77E-04	9.07E-05	7.64E-05	4.31E-04	3.50E-04	7.07E-05	6.78E-05	5.28E-05	3.46E-05
6246	563390.31	4235622.2	5.42E-04	4.84E-04	9.20E-05	7.75E-05	4.38E-04	3.55E-04	7.17E-05	6.88E-05	5.35E-05	3.51E-05
6247	563380.68	4235626.37	5.50E-04	4.90E-04	9.33E-05	7.86E-05	4.44E-04	3.60E-04	7.27E-05	6.98E-05	5.43E-05	3.56E-05
6248	563371.04	4235630.54	5.58E-04	4.97E-04	9.46E-05	7.97E-05	4.50E-04	3.65E-04	7.37E-05	7.08E-05	5.51E-05	3.61E-05
6249	563361.4	4235634.71	5.66E-04	5.04E-04	9.60E-05	8.09E-05	4.57E-04	3.70E-04	7.48E-05	7.18E-05	5.58E-05	3.67E-05
6250	563351.77	4235638.88	5.74E-04	5.12E-04	9.74E-05	8.21E-05	4.63E-04	3.76E-04	7.59E-05	7.28E-05	5.67E-05	3.72E-05
6251	563342.13	4235643.05	5.83E-04	5.20E-04	9.89E-05	8.33E-05	4.71E-04	3.81E-04	7.71E-05	7.40E-05	5.76E-05	3.78E-05
6252	563332.5	4235647.22	5.92E-04	5.28E-04	1.00E-04	8.46E-05	4.78E-04	3.87E-04	7.82E-05	7.51E-05	5.84E-05	3.83E-05
6253	563317.71	4235650.39	6.07E-04	5.41E-04	1.03E-04	8.67E-05	4.90E-04	3.97E-04	8.02E-05	7.70E-05	5.99E-05	3.93E-05
6254	563307.4	4235648.37	6.21E-04	5.54E-04	1.05E-04	8.88E-05	5.01E-04	4.06E-04	8.21E-05	7.88E-05	6.13E-05	4.02E-05
6255	563297.1	4235646.36	6.34E-04	5.66E-04	1.08E-04	9.07E-05	5.12E-04	4.15E-04	8.38E-05	8.05E-05	6.26E-05	4.11E-05
6256	563286.79	4235644.34	6.47E-04	5.77E-04	1.10E-04	9.25E-05	5.22E-04	4.23E-04	8.55E-05	8.21E-05	6.39E-05	4.19E-05
6257	563276.49	4235642.33	6.60E-04	5.88E-04	1.12E-04	9.43E-05	5.33E-04	4.32E-04	8.72E-05	8.37E-05	6.51E-05	4.28E-05
6258	563266.18	4235640.31	6.73E-04	6.01E-04	1.14E-04	9.63E-05	5.44E-04	4.41E-04	8.91E-05	8.54E-05	6.65E-05	4.36E-05
6259	563255.88	4235638.3	6.87E-04	6.13E-04	1.17E-04	9.83E-05	5.55E-04	4.50E-04	9.09E-05	8.72E-05	6.79E-05	4.45E-05
6260	563245.57	4235636.28	7.01E-04	6.25E-04	1.19E-04	1.00E-04	5.66E-04	4.58E-04	9.27E-05	8.89E-05	6.92E-05	4.54E-05
6261	563235.27	4235634.27	7.14E-04	6.37E-04	1.21E-04	1.02E-04	5.76E-04	4.67E-04	9.44E-05	9.06E-05	7.05E-05	4.63E-05
6262	563224.96	4235632.26	7.26E-04	6.48E-04	1.23E-04	1.04E-04	5.86E-04	4.75E-04	9.60E-05	9.22E-05	7.17E-05	4.71E-05
6263	563214.66	4235630.24	7.38E-04	6.59E-04	1.25E-04	1.06E-04	5.96E-04	4.83E-04	9.76E-05	9.37E-05	7.29E-05	4.79E-05
6264	563204.35	4235628.23	7.50E-04	6.69E-04	1.27E-04	1.07E-04	6.05E-04	4.91E-04	9.92E-05	9.51E-05	7.41E-05	4.86E-05
6265	563194.05	4235626.21	7.61E-04	6.78E-04	1.29E-04	1.09E-04	6.14E-04	4.98E-04	1.01E-04	9.65E-05	7.51E-05	4.93E-05
6266	563183.74	4235624.2	7.71E-04	6.87E-04	1.31E-04	1.10E-04	6.22E-04	5.04E-04	1.02E-04	9.78E-05	7.61E-05	4.99E-05
6267	563173.44	4235622.18	7.80E-04	6.96E-04	1.32E-04	1.12E-04	6.30E-04	5.10E-04	1.03E-04	9.89E-05	7.70E-05	5.05E-05
6268	563163.13	4235620.17	7.88E-04	7.03E-04	1.34E-04	1.13E-04	6.36E-04	5.16E-04	1.04E-04	1.00E-04	7.78E-05	5.11E-05
6269	563152.83	4235618.15	7.95E-04	7.09E-04	1.35E-04	1.14E-04	6.42E-04	5.20E-04	1.05E-04	1.01E-04	7.85E-05	5.15E-05
6270	563142.52	4235616.14	8.01E-04	7.15E-04	1.36E-04	1.15E-04	6.47E-04	5.24E-04	1.06E-04	1.02E-04	7.91E-05	5.19E-05
6271	563132.22	4235614.12	8.06E-04	7.19E-04	1.37E-04	1.15E-04	6.51E-04	5.28E-04	1.07E-04	1.02E-04	7.96E-05	5.23E-05
6272	563121.91	4235612.11	8.10E-04	7.23E-04	1.37E-04	1.16E-04	6.54E-04	5.30E-04	1.07E-04	1.03E-04	8.00E-05	5.25E-05
6273	563111.61	4235610.09	8.13E-04	7.25E-04	1.38E-04	1.16E-04	6.56E-04	5.32E-04	1.07E-04	1.03E-04	8.03E-05	5.27E-05
6274	563101.3	4235608.08	8.14E-04	7.26E-04	1.38E-04	1.16E-04	6.57E-04	5.33E-04	1.08E-04	1.03E-04	8.04E-05	5.27E-05
6275	563091	4235606.07	8.14E-04	7.26E-04	1.38E-04	1.16E-04	6.57E-04	5.32E-04	1.08E-04	1.03E-04	8.04E-05	5.27E-05

6276	563080.69	4235604.05	8.12E-04	7.24E-04	1.38E-04	1.16E-04	6.56E-04	5.31E-04	1.07E-04	1.03E-04	8.02E-05	5.26E-05
6277	563070.39	4235602.04	8.09E-04	7.22E-04	1.37E-04	1.16E-04	6.53E-04	5.29E-04	1.07E-04	1.03E-04	7.99E-05	5.24E-05
6278	563060.08	4235600.02	8.04E-04	7.17E-04	1.36E-04	1.15E-04	6.49E-04	5.26E-04	1.06E-04	1.02E-04	7.94E-05	5.21E-05
6279	563049.78	4235598.01	7.98E-04	7.12E-04	1.35E-04	1.14E-04	6.44E-04	5.22E-04	1.06E-04	1.01E-04	7.88E-05	5.17E-05
6280	563039.47	4235595.99	7.90E-04	7.05E-04	1.34E-04	1.13E-04	6.38E-04	5.17E-04	1.05E-04	1.00E-04	7.81E-05	5.12E-05
6281	563029.17	4235593.98	7.81E-04	6.97E-04	1.33E-04	1.12E-04	6.31E-04	5.11E-04	1.03E-04	9.91E-05	7.72E-05	5.06E-05
6282	563018.86	4235591.96	7.71E-04	6.88E-04	1.31E-04	1.10E-04	6.22E-04	5.04E-04	1.02E-04	9.78E-05	7.61E-05	5.00E-05
6283	563008.56	4235589.95	7.59E-04	6.77E-04	1.29E-04	1.09E-04	6.13E-04	4.97E-04	1.00E-04	9.63E-05	7.50E-05	4.92E-05
6284	562998.25	4235587.93	7.46E-04	6.66E-04	1.27E-04	1.07E-04	6.03E-04	4.88E-04	9.87E-05	9.47E-05	7.37E-05	4.84E-05
6285	562987.95	4235585.92	7.33E-04	6.54E-04	1.24E-04	1.05E-04	5.92E-04	4.79E-04	9.69E-05	9.30E-05	7.24E-05	4.75E-05
6286	562977.64	4235583.91	7.18E-04	6.40E-04	1.22E-04	1.03E-04	5.80E-04	4.70E-04	9.49E-05	9.11E-05	7.09E-05	4.65E-05
6287	562967.34	4235581.89	7.03E-04	6.27E-04	1.19E-04	1.00E-04	5.67E-04	4.60E-04	9.29E-05	8.92E-05	6.94E-05	4.55E-05
6288	562957.03	4235579.88	6.87E-04	6.13E-04	1.17E-04	9.82E-05	5.55E-04	4.49E-04	9.08E-05	8.72E-05	6.78E-05	4.45E-05
6289	562946.73	4235577.86	6.71E-04	5.98E-04	1.14E-04	9.59E-05	5.42E-04	4.39E-04	8.87E-05	8.51E-05	6.62E-05	4.35E-05
6290	562936.42	4235575.85	6.54E-04	5.84E-04	1.11E-04	9.36E-05	5.28E-04	4.28E-04	8.65E-05	8.30E-05	6.46E-05	4.24E-05
6291	562926.12	4235573.83	6.38E-04	5.69E-04	1.08E-04	9.13E-05	5.15E-04	4.18E-04	8.44E-05	8.10E-05	6.30E-05	4.14E-05
6292	563380.7	4236267.09	2.48E-04	2.21E-04	4.21E-05	3.54E-05	2.00E-04	1.62E-04	3.28E-05	3.15E-05	2.45E-05	1.61E-05
6293	563933	4236125.31	1.57E-04	1.40E-04	2.67E-05	2.25E-05	1.27E-04	1.03E-04	2.08E-05	1.99E-05	1.55E-05	1.02E-05
6294	563945.46	4236146.66	1.53E-04	1.37E-04	2.60E-05	2.19E-05	1.24E-04	1.00E-04	2.03E-05	1.94E-05	1.51E-05	9.93E-06
6295	563824.45	4236268.85	1.52E-04	1.35E-04	2.57E-05	2.17E-05	1.22E-04	9.91E-05	2.00E-05	1.92E-05	1.50E-05	9.82E-06
6296	563855.89	4236253.43	1.50E-04	1.34E-04	2.54E-05	2.14E-05	1.21E-04	9.81E-05	1.98E-05	1.90E-05	1.48E-05	9.71E-06
6297	563849.37	4236289.02	1.46E-04	1.31E-04	2.48E-05	2.09E-05	1.18E-04	9.58E-05	1.94E-05	1.86E-05	1.45E-05	9.49E-06
6298	563815.56	4236380.37	1.39E-04	1.24E-04	2.36E-05	1.99E-05	1.13E-04	9.12E-05	1.84E-05	1.77E-05	1.38E-05	9.03E-06
6299	563835.13	4236349.52	1.41E-04	1.26E-04	2.40E-05	2.02E-05	1.14E-04	9.26E-05	1.87E-05	1.79E-05	1.40E-05	9.17E-06
6300	563844.62	4236372.66	1.38E-04	1.23E-04	2.33E-05	1.97E-05	1.11E-04	9.00E-05	1.82E-05	1.74E-05	1.36E-05	8.91E-06
6301	563849.96	4236388.08	1.35E-04	1.20E-04	2.29E-05	1.93E-05	1.09E-04	8.83E-05	1.79E-05	1.71E-05	1.33E-05	8.75E-06
6302	563807.84	4236458.07	1.32E-04	1.18E-04	2.24E-05	1.89E-05	1.07E-04	8.65E-05	1.75E-05	1.68E-05	1.31E-05	8.57E-06
6303	563812.59	4236487.73	1.29E-04	1.15E-04	2.19E-05	1.85E-05	1.04E-04	8.45E-05	1.71E-05	1.64E-05	1.28E-05	8.37E-06
6304	563786.49	4236491.29	1.31E-04	1.17E-04	2.22E-05	1.87E-05	1.06E-04	8.57E-05	1.73E-05	1.66E-05	1.29E-05	8.49E-06
6305	563862.81	4236477.27	1.25E-04	1.12E-04	2.12E-05	1.79E-05	1.01E-04	8.19E-05	1.66E-05	1.59E-05	1.24E-05	8.11E-06

	Row	18	T2	T2L3	T3	T4I	T4F
		Col	3	4	5	6	7
		Adjustment	100%	17%	81%	13%	10%
			Year 1	Year 1	Year 1	Year 1	Year 1
1	563279	4234944	3.44E-02	5.84E-03	2.78E-02	4.55E-03	3.40E-03
2	563274.4	4234931	3.84E-02	6.51E-03	3.10E-02	5.08E-03	3.79E-03
3	563267.1	4234918	4.49E-02	7.61E-03	3.62E-02	5.93E-03	4.43E-03
4	563287.8	4234940	3.13E-02	5.31E-03	2.53E-02	4.14E-03	3.09E-03
5	563289.9	4234953	2.94E-02	4.98E-03	2.37E-02	3.88E-03	2.90E-03
6	563287.7	4234965	2.87E-02	4.87E-03	2.32E-02	3.80E-03	2.84E-03
7	563281	4234977	2.93E-02	4.97E-03	2.36E-02	3.87E-03	2.89E-03
8	563283.2	4234926	3.46E-02	5.87E-03	2.79E-02	4.57E-03	3.42E-03
9	563275.9	4234913	3.99E-02	6.76E-03	3.22E-02	5.27E-03	3.94E-03
10	563296.6	4234935	2.85E-02	4.83E-03	2.30E-02	3.76E-03	2.81E-03
11	563298.7	4234948	2.69E-02	4.57E-03	2.17E-02	3.56E-03	2.66E-03
12	563297.5	4234967	2.57E-02	4.36E-03	2.07E-02	3.40E-03	2.54E-03
13	563290.8	4234978	2.63E-02	4.46E-03	2.12E-02	3.48E-03	2.60E-03
14	563291.9	4234921	3.12E-02	5.29E-03	2.52E-02	4.13E-03	3.08E-03
15	563284.7	4234908	3.55E-02	6.03E-03	2.87E-02	4.70E-03	3.51E-03
16	563305.4	4234930	2.59E-02	4.40E-03	2.09E-02	3.43E-03	2.56E-03
17	563307.5	4234943	2.47E-02	4.18E-03	1.99E-02	3.26E-03	2.44E-03
18	563309.6	4234956	2.34E-02	3.97E-03	1.89E-02	3.10E-03	2.31E-03
19	563307.3	4234969	2.31E-02	3.92E-03	1.86E-02	3.05E-03	2.28E-03
20	563300.7	4234980	2.37E-02	4.02E-03	1.91E-02	3.13E-03	2.34E-03
21	563294	4234992	2.41E-02	4.09E-03	1.95E-02	3.19E-03	2.38E-03
22	563300.7	4234917	2.82E-02	4.78E-03	2.27E-02	3.73E-03	2.78E-03
23	563293.5	4234903	3.18E-02	5.39E-03	2.56E-02	4.20E-03	3.14E-03
24	563314.2	4234925	2.36E-02	4.01E-03	1.91E-02	3.13E-03	2.33E-03
25	563316.3	4234938	2.26E-02	3.83E-03	1.82E-02	2.99E-03	2.23E-03
26	563318.4	4234952	2.16E-02	3.67E-03	1.75E-02	2.86E-03	2.14E-03
27	563317.2	4234970	2.09E-02	3.54E-03	1.68E-02	2.76E-03	2.06E-03
28	563310.5	4234982	2.14E-02	3.64E-03	1.73E-02	2.83E-03	2.12E-03
29	563303.9	4234994	2.19E-02	3.71E-03	1.77E-02	2.89E-03	2.16E-03
30	563309.5	4234912	2.55E-02	4.33E-03	2.06E-02	3.37E-03	2.52E-03
31	563302.2	4234899	2.85E-02	4.83E-03	2.30E-02	3.77E-03	2.81E-03
32	563323.1	4234921	2.15E-02	3.65E-03	1.74E-02	2.84E-03	2.12E-03
33	563325.5	4234936	2.05E-02	3.48E-03	1.66E-02	2.71E-03	2.03E-03
34	563327.9	4234951	1.96E-02	3.33E-03	1.59E-02	2.60E-03	1.94E-03
35	563326.5	4234973	1.90E-02	3.22E-03	1.53E-02	2.51E-03	1.87E-03
36	563318.9	4234986	1.96E-02	3.32E-03	1.58E-02	2.59E-03	1.93E-03
37	563311.3	4235000	2.00E-02	3.40E-03	1.62E-02	2.65E-03	1.98E-03
38	563318.3	4234907	2.31E-02	3.92E-03	1.87E-02	3.06E-03	2.28E-03
39	563311	4234894	2.56E-02	4.35E-03	2.07E-02	3.39E-03	2.53E-03
40	563331.9	4234916	1.97E-02	3.34E-03	1.59E-02	2.60E-03	1.94E-03
41	563334.3	4234931	1.89E-02	3.20E-03	1.52E-02	2.50E-03	1.86E-03
42	563336.6	4234946	1.82E-02	3.08E-03	1.47E-02	2.40E-03	1.79E-03
43	563339	4234961	1.74E-02	2.95E-03	1.40E-02	2.30E-03	1.72E-03
44	563336.4	4234975	1.73E-02	2.93E-03	1.39E-02	2.28E-03	1.70E-03
45	563328.9	4234988	1.78E-02	3.03E-03	1.44E-02	2.36E-03	1.76E-03
46	563321.5	4235001	1.83E-02	3.10E-03	1.48E-02	2.42E-03	1.81E-03
47	563314	4235014	1.86E-02	3.16E-03	1.50E-02	2.46E-03	1.84E-03

48	563327.1	4234902	2.10E-02	3.57E-03	1.70E-02	2.78E-03	2.08E-03
49	563319.8	4234889	2.32E-02	3.93E-03	1.87E-02	3.06E-03	2.29E-03
50	563340.7	4234912	1.80E-02	3.06E-03	1.46E-02	2.38E-03	1.78E-03
51	563343	4234926	1.74E-02	2.95E-03	1.40E-02	2.30E-03	1.72E-03
52	563345.3	4234941	1.68E-02	2.85E-03	1.35E-02	2.22E-03	1.66E-03
53	563347.7	4234955	1.62E-02	2.75E-03	1.31E-02	2.15E-03	1.60E-03
54	563346.3	4234977	1.58E-02	2.68E-03	1.27E-02	2.09E-03	1.56E-03
55	563338.9	4234989	1.63E-02	2.77E-03	1.32E-02	2.16E-03	1.61E-03
56	563331.5	4235002	1.68E-02	2.84E-03	1.35E-02	2.22E-03	1.65E-03
57	563324.1	4235015	1.71E-02	2.90E-03	1.38E-02	2.26E-03	1.69E-03
58	563335.9	4234898	1.92E-02	3.25E-03	1.55E-02	2.54E-03	1.89E-03
59	563328.6	4234884	2.10E-02	3.56E-03	1.70E-02	2.78E-03	2.07E-03
60	563358.2	4234902	1.52E-02	2.58E-03	1.23E-02	2.01E-03	1.50E-03
61	563360.5	4234916	1.48E-02	2.51E-03	1.19E-02	1.96E-03	1.46E-03
62	563362.8	4234931	1.44E-02	2.44E-03	1.16E-02	1.90E-03	1.42E-03
63	563365.1	4234945	1.40E-02	2.38E-03	1.13E-02	1.85E-03	1.38E-03
64	563367.4	4234959	1.36E-02	2.31E-03	1.10E-02	1.80E-03	1.34E-03
65	563366	4234980	1.33E-02	2.26E-03	1.07E-02	1.76E-03	1.31E-03
66	563358.8	4234993	1.38E-02	2.34E-03	1.11E-02	1.82E-03	1.36E-03
67	563351.5	4235005	1.42E-02	2.40E-03	1.14E-02	1.87E-03	1.40E-03
68	563344.3	4235018	1.45E-02	2.46E-03	1.17E-02	1.92E-03	1.43E-03
69	563337	4235030	1.48E-02	2.51E-03	1.19E-02	1.95E-03	1.46E-03
70	563353.5	4234888	1.61E-02	2.72E-03	1.30E-02	2.12E-03	1.59E-03
71	563346.2	4234875	1.74E-02	2.95E-03	1.41E-02	2.30E-03	1.72E-03
72	563375.8	4234892	1.30E-02	2.20E-03	1.05E-02	1.71E-03	1.28E-03
73	563378.1	4234906	1.27E-02	2.15E-03	1.02E-02	1.67E-03	1.25E-03
74	563380.3	4234921	1.24E-02	2.10E-03	9.99E-03	1.64E-03	1.22E-03
75	563382.6	4234935	1.21E-02	2.05E-03	9.75E-03	1.60E-03	1.19E-03
76	563384.8	4234949	1.18E-02	2.00E-03	9.52E-03	1.56E-03	1.16E-03
77	563387.1	4234963	1.15E-02	1.95E-03	9.26E-03	1.52E-03	1.13E-03
78	563385.7	4234984	1.14E-02	1.93E-03	9.18E-03	1.50E-03	1.12E-03
79	563378.6	4234996	1.18E-02	1.99E-03	9.49E-03	1.55E-03	1.16E-03
80	563371.4	4235008	1.21E-02	2.05E-03	9.78E-03	1.60E-03	1.20E-03
81	563364.3	4235021	1.24E-02	2.11E-03	1.00E-02	1.64E-03	1.23E-03
82	563357.1	4235033	1.27E-02	2.16E-03	1.03E-02	1.68E-03	1.25E-03
83	563350	4235046	1.29E-02	2.19E-03	1.04E-02	1.71E-03	1.27E-03
84	563371	4234879	1.36E-02	2.31E-03	1.10E-02	1.80E-03	1.34E-03
85	563363.8	4234865	1.46E-02	2.48E-03	1.18E-02	1.93E-03	1.44E-03
86	563393.5	4234883	1.11E-02	1.89E-03	8.99E-03	1.47E-03	1.10E-03
87	563395.8	4234898	1.09E-02	1.85E-03	8.80E-03	1.44E-03	1.08E-03
88	563398.2	4234913	1.07E-02	1.81E-03	8.62E-03	1.41E-03	1.05E-03
89	563400.6	4234928	1.05E-02	1.77E-03	8.44E-03	1.38E-03	1.03E-03
90	563403	4234943	1.02E-02	1.74E-03	8.26E-03	1.35E-03	1.01E-03
91	563405.4	4234958	9.98E-03	1.69E-03	8.06E-03	1.32E-03	9.85E-04
92	563407.8	4234973	9.74E-03	1.65E-03	7.87E-03	1.29E-03	9.62E-04
93	563405.2	4234988	9.83E-03	1.67E-03	7.94E-03	1.30E-03	9.71E-04
94	563397.6	4235001	1.02E-02	1.73E-03	8.21E-03	1.35E-03	1.00E-03
95	563390	4235014	1.05E-02	1.78E-03	8.48E-03	1.39E-03	1.04E-03
96	563382.4	4235027	1.08E-02	1.83E-03	8.73E-03	1.43E-03	1.07E-03
97	563374.8	4235040	1.11E-02	1.88E-03	8.95E-03	1.47E-03	1.09E-03
98	563367.2	4235054	1.13E-02	1.92E-03	9.12E-03	1.49E-03	1.12E-03
99	563359.6	4235067	1.14E-02	1.94E-03	9.24E-03	1.51E-03	1.13E-03

100	563388.6	4234869	1.16E-02	1.96E-03	9.35E-03	1.53E-03	1.14E-03
101	563381.3	4234856	1.23E-02	2.09E-03	9.94E-03	1.63E-03	1.22E-03
102	563411	4234874	9.68E-03	1.64E-03	7.82E-03	1.28E-03	9.56E-04
103	563413.4	4234888	9.49E-03	1.61E-03	7.67E-03	1.26E-03	9.38E-04
104	563415.7	4234903	9.32E-03	1.58E-03	7.53E-03	1.23E-03	9.21E-04
105	563418.1	4234918	9.16E-03	1.55E-03	7.40E-03	1.21E-03	9.05E-04
106	563420.4	4234933	9.01E-03	1.53E-03	7.27E-03	1.19E-03	8.90E-04
107	563422.8	4234948	8.84E-03	1.50E-03	7.14E-03	1.17E-03	8.73E-04
108	563425.1	4234962	8.66E-03	1.47E-03	6.99E-03	1.14E-03	8.55E-04
109	563427.5	4234977	8.51E-03	1.44E-03	6.87E-03	1.13E-03	8.40E-04
110	563424.9	4234991	8.58E-03	1.46E-03	6.93E-03	1.13E-03	8.47E-04
111	563417.4	4235004	8.86E-03	1.50E-03	7.15E-03	1.17E-03	8.75E-04
112	563410	4235017	9.13E-03	1.55E-03	7.37E-03	1.21E-03	9.02E-04
113	563402.5	4235030	9.40E-03	1.60E-03	7.59E-03	1.24E-03	9.29E-04
114	563395	4235043	9.66E-03	1.64E-03	7.80E-03	1.28E-03	9.54E-04
115	563387.5	4235056	9.88E-03	1.68E-03	7.98E-03	1.31E-03	9.76E-04
116	563380.1	4235069	1.01E-02	1.71E-03	8.12E-03	1.33E-03	9.93E-04
117	563372.6	4235082	1.02E-02	1.73E-03	8.22E-03	1.35E-03	1.01E-03
118	563406.2	4234859	1.00E-02	1.70E-03	8.08E-03	1.32E-03	9.88E-04
119	563398.9	4234846	1.05E-02	1.78E-03	8.47E-03	1.39E-03	1.04E-03
120	563428.6	4234864	8.54E-03	1.45E-03	6.89E-03	1.13E-03	8.43E-04
121	563430.9	4234879	8.36E-03	1.42E-03	6.75E-03	1.11E-03	8.26E-04
122	563433.2	4234893	8.21E-03	1.39E-03	6.63E-03	1.09E-03	8.11E-04
123	563435.5	4234908	8.08E-03	1.37E-03	6.53E-03	1.07E-03	7.98E-04
124	563437.9	4234922	7.97E-03	1.35E-03	6.44E-03	1.05E-03	7.87E-04
125	563440.2	4234937	7.86E-03	1.33E-03	6.34E-03	1.04E-03	7.76E-04
126	563442.5	4234952	7.73E-03	1.31E-03	6.24E-03	1.02E-03	7.63E-04
127	563444.8	4234966	7.59E-03	1.29E-03	6.13E-03	1.00E-03	7.49E-04
128	563447.2	4234981	7.51E-03	1.27E-03	6.06E-03	9.93E-04	7.42E-04
129	563444.6	4234995	7.55E-03	1.28E-03	6.10E-03	9.99E-04	7.46E-04
130	563437.3	4235007	7.78E-03	1.32E-03	6.28E-03	1.03E-03	7.68E-04
131	563429.9	4235020	8.01E-03	1.36E-03	6.47E-03	1.06E-03	7.91E-04
132	563422.5	4235033	8.24E-03	1.40E-03	6.65E-03	1.09E-03	8.14E-04
133	563415.1	4235046	8.47E-03	1.44E-03	6.84E-03	1.12E-03	8.37E-04
134	563407.7	4235059	8.69E-03	1.47E-03	7.01E-03	1.15E-03	8.58E-04
135	563400.3	4235072	8.87E-03	1.51E-03	7.16E-03	1.17E-03	8.76E-04
136	563393	4235085	9.01E-03	1.53E-03	7.28E-03	1.19E-03	8.90E-04
137	563385.6	4235097	9.12E-03	1.55E-03	7.36E-03	1.21E-03	9.00E-04
138	563423.8	4234850	8.88E-03	1.51E-03	7.17E-03	1.17E-03	8.77E-04
139	563416.5	4234836	9.26E-03	1.57E-03	7.47E-03	1.22E-03	9.14E-04
140	563446.1	4234854	7.61E-03	1.29E-03	6.15E-03	1.01E-03	7.52E-04
141	563448.4	4234869	7.45E-03	1.26E-03	6.01E-03	9.85E-04	7.36E-04
142	563450.7	4234883	7.31E-03	1.24E-03	5.90E-03	9.67E-04	7.22E-04
143	563453	4234898	7.19E-03	1.22E-03	5.81E-03	9.51E-04	7.10E-04
144	563455.3	4234912	7.10E-03	1.20E-03	5.73E-03	9.39E-04	7.01E-04
145	563457.6	4234927	7.03E-03	1.19E-03	5.68E-03	9.30E-04	6.94E-04
146	563459.9	4234941	6.97E-03	1.18E-03	5.63E-03	9.22E-04	6.88E-04
147	563462.2	4234956	6.89E-03	1.17E-03	5.56E-03	9.11E-04	6.80E-04
148	563464.5	4234970	6.80E-03	1.15E-03	5.49E-03	9.00E-04	6.72E-04
149	563466.8	4234985	6.69E-03	1.13E-03	5.40E-03	8.85E-04	6.61E-04
150	563464.3	4234998	6.70E-03	1.14E-03	5.41E-03	8.86E-04	6.62E-04
151	563457	4235011	6.89E-03	1.17E-03	5.56E-03	9.11E-04	6.80E-04

152	563449.7	4235024	7.08E-03	1.20E-03	5.71E-03	9.36E-04	6.99E-04
153	563442.4	4235036	7.27E-03	1.23E-03	5.87E-03	9.62E-04	7.18E-04
154	563435.1	4235049	7.48E-03	1.27E-03	6.04E-03	9.89E-04	7.38E-04
155	563427.8	4235062	7.68E-03	1.30E-03	6.20E-03	1.02E-03	7.58E-04
156	563420.5	4235074	7.86E-03	1.33E-03	6.35E-03	1.04E-03	7.76E-04
157	563413.2	4235087	8.01E-03	1.36E-03	6.47E-03	1.06E-03	7.91E-04
158	563405.9	4235100	8.13E-03	1.38E-03	6.57E-03	1.08E-03	8.03E-04
159	563398.6	4235113	8.22E-03	1.39E-03	6.64E-03	1.09E-03	8.12E-04
160	563441.4	4234840	7.85E-03	1.33E-03	6.34E-03	1.04E-03	7.75E-04
161	563434.1	4234827	8.16E-03	1.38E-03	6.59E-03	1.08E-03	8.06E-04
162	563463.8	4234845	6.85E-03	1.16E-03	5.53E-03	9.06E-04	6.77E-04
163	563466.2	4234860	6.70E-03	1.14E-03	5.41E-03	8.86E-04	6.62E-04
164	563468.5	4234875	6.56E-03	1.11E-03	5.30E-03	8.68E-04	6.48E-04
165	563470.9	4234890	6.45E-03	1.09E-03	5.21E-03	8.53E-04	6.37E-04
166	563473.3	4234905	6.36E-03	1.08E-03	5.13E-03	8.41E-04	6.28E-04
167	563475.7	4234920	6.36E-03	1.08E-03	5.14E-03	8.41E-04	6.28E-04
168	563478.1	4234935	6.36E-03	1.08E-03	5.13E-03	8.41E-04	6.28E-04
169	563480.5	4234950	6.28E-03	1.07E-03	5.07E-03	8.30E-04	6.20E-04
170	563482.9	4234965	6.18E-03	1.05E-03	4.99E-03	8.17E-04	6.10E-04
171	563485.3	4234980	6.06E-03	1.03E-03	4.89E-03	8.02E-04	5.99E-04
172	563483.9	4235002	6.00E-03	1.02E-03	4.85E-03	7.94E-04	5.93E-04
173	563476.3	4235015	6.16E-03	1.05E-03	4.97E-03	8.15E-04	6.08E-04
174	563468.7	4235028	6.32E-03	1.07E-03	5.10E-03	8.36E-04	6.24E-04
175	563461.1	4235042	6.49E-03	1.10E-03	5.24E-03	8.59E-04	6.41E-04
176	563453.5	4235055	6.68E-03	1.13E-03	5.39E-03	8.83E-04	6.59E-04
177	563445.9	4235068	6.86E-03	1.16E-03	5.54E-03	9.08E-04	6.78E-04
178	563438.3	4235081	7.04E-03	1.19E-03	5.69E-03	9.31E-04	6.95E-04
179	563430.7	4235095	7.20E-03	1.22E-03	5.81E-03	9.52E-04	7.11E-04
180	563423.1	4235108	7.31E-03	1.24E-03	5.90E-03	9.66E-04	7.22E-04
181	563415.5	4235121	7.40E-03	1.26E-03	5.97E-03	9.78E-04	7.31E-04
182	563458.9	4234831	7.01E-03	1.19E-03	5.66E-03	9.27E-04	6.92E-04
183	563451.7	4234817	7.24E-03	1.23E-03	5.85E-03	9.58E-04	7.15E-04
184	563481.3	4234835	6.24E-03	1.06E-03	5.04E-03	8.25E-04	6.16E-04
185	563483.7	4234850	6.10E-03	1.04E-03	4.93E-03	8.07E-04	6.03E-04
186	563486.1	4234865	5.97E-03	1.01E-03	4.82E-03	7.89E-04	5.89E-04
187	563488.4	4234880	5.86E-03	9.94E-04	4.73E-03	7.74E-04	5.78E-04
188	563490.8	4234895	5.79E-03	9.83E-04	4.68E-03	7.66E-04	5.72E-04
189	563493.1	4234910	5.78E-03	9.81E-04	4.67E-03	7.65E-04	5.71E-04
190	563495.5	4234925	5.78E-03	9.80E-04	4.66E-03	7.64E-04	5.70E-04
191	563497.9	4234940	5.72E-03	9.70E-04	4.62E-03	7.56E-04	5.65E-04
192	563500.2	4234954	5.65E-03	9.58E-04	4.56E-03	7.47E-04	5.58E-04
193	563502.6	4234969	5.57E-03	9.44E-04	4.49E-03	7.36E-04	5.50E-04
194	563505	4234984	5.46E-03	9.27E-04	4.41E-03	7.23E-04	5.40E-04
195	563503.6	4235006	5.41E-03	9.18E-04	4.37E-03	7.15E-04	5.34E-04
196	563496.1	4235019	5.54E-03	9.40E-04	4.47E-03	7.32E-04	5.47E-04
197	563488.6	4235032	5.66E-03	9.61E-04	4.57E-03	7.49E-04	5.59E-04
198	563481	4235045	5.80E-03	9.85E-04	4.69E-03	7.68E-04	5.73E-04
199	563473.5	4235058	5.96E-03	1.01E-03	4.81E-03	7.88E-04	5.88E-04
200	563466	4235071	6.12E-03	1.04E-03	4.94E-03	8.10E-04	6.05E-04
201	563458.5	4235084	6.29E-03	1.07E-03	5.08E-03	8.32E-04	6.21E-04
202	563451	4235097	6.44E-03	1.09E-03	5.20E-03	8.52E-04	6.36E-04
203	563443.5	4235110	6.55E-03	1.11E-03	5.29E-03	8.67E-04	6.47E-04

204	563436	4235123	6.65E-03	1.13E-03	5.37E-03	8.80E-04	6.57E-04
205	563428.5	4235136	6.73E-03	1.14E-03	5.44E-03	8.90E-04	6.65E-04
206	563476.5	4234821	6.42E-03	1.09E-03	5.18E-03	8.49E-04	6.34E-04
207	563469.2	4234808	6.59E-03	1.12E-03	5.32E-03	8.72E-04	6.51E-04
208	563498.9	4234826	5.73E-03	9.73E-04	4.63E-03	7.58E-04	5.66E-04
209	563501.2	4234841	5.60E-03	9.51E-04	4.52E-03	7.41E-04	5.53E-04
210	563503.6	4234855	5.48E-03	9.29E-04	4.42E-03	7.24E-04	5.41E-04
211	563505.9	4234870	5.36E-03	9.10E-04	4.33E-03	7.09E-04	5.30E-04
212	563508.3	4234885	5.32E-03	9.03E-04	4.30E-03	7.04E-04	5.25E-04
213	563510.6	4234900	5.34E-03	9.06E-04	4.31E-03	7.06E-04	5.28E-04
214	563512.9	4234914	5.28E-03	8.97E-04	4.27E-03	6.99E-04	5.22E-04
215	563515.3	4234929	5.23E-03	8.88E-04	4.22E-03	6.92E-04	5.17E-04
216	563517.6	4234944	5.18E-03	8.79E-04	4.18E-03	6.85E-04	5.12E-04
217	563520	4234958	5.12E-03	8.69E-04	4.13E-03	6.77E-04	5.06E-04
218	563522.3	4234973	5.05E-03	8.57E-04	4.08E-03	6.68E-04	4.99E-04
219	563524.7	4234988	4.96E-03	8.42E-04	4.01E-03	6.56E-04	4.90E-04
220	563523.3	4235009	4.91E-03	8.33E-04	3.97E-03	6.49E-04	4.85E-04
221	563515.8	4235022	5.01E-03	8.50E-04	4.05E-03	6.63E-04	4.95E-04
222	563508.4	4235035	5.11E-03	8.68E-04	4.13E-03	6.76E-04	5.05E-04
223	563501	4235048	5.22E-03	8.86E-04	4.22E-03	6.91E-04	5.16E-04
224	563493.5	4235061	5.35E-03	9.08E-04	4.32E-03	7.07E-04	5.28E-04
225	563486.1	4235074	5.49E-03	9.32E-04	4.43E-03	7.26E-04	5.42E-04
226	563478.6	4235087	5.64E-03	9.57E-04	4.55E-03	7.46E-04	5.57E-04
227	563471.2	4235100	5.78E-03	9.81E-04	4.67E-03	7.65E-04	5.71E-04
228	563463.8	4235113	5.90E-03	1.00E-03	4.76E-03	7.80E-04	5.82E-04
229	563456.3	4235126	6.00E-03	1.02E-03	4.85E-03	7.94E-04	5.93E-04
230	563448.9	4235139	6.10E-03	1.03E-03	4.92E-03	8.07E-04	6.02E-04
231	563441.4	4235152	6.16E-03	1.05E-03	4.97E-03	8.15E-04	6.08E-04
232	563494.1	4234812	5.90E-03	1.00E-03	4.76E-03	7.80E-04	5.83E-04
233	563486.8	4234798	6.05E-03	1.03E-03	4.89E-03	8.00E-04	5.98E-04
234	563516.5	4234816	5.28E-03	8.96E-04	4.27E-03	6.99E-04	5.22E-04
235	563518.8	4234831	5.18E-03	8.78E-04	4.18E-03	6.84E-04	5.11E-04
236	563521.1	4234845	5.06E-03	8.59E-04	4.09E-03	6.70E-04	5.00E-04
237	563523.4	4234860	4.99E-03	8.47E-04	4.03E-03	6.60E-04	4.93E-04
238	563525.8	4234875	4.95E-03	8.40E-04	4.00E-03	6.54E-04	4.89E-04
239	563528.1	4234889	4.93E-03	8.36E-04	3.98E-03	6.51E-04	4.87E-04
240	563530.4	4234904	4.87E-03	8.26E-04	3.93E-03	6.43E-04	4.80E-04
241	563532.7	4234919	4.82E-03	8.17E-04	3.89E-03	6.37E-04	4.76E-04
242	563535.1	4234933	4.77E-03	8.10E-04	3.85E-03	6.31E-04	4.71E-04
243	563537.4	4234948	4.73E-03	8.02E-04	3.82E-03	6.25E-04	4.67E-04
244	563539.7	4234962	4.68E-03	7.93E-04	3.78E-03	6.18E-04	4.62E-04
245	563542	4234977	4.61E-03	7.83E-04	3.73E-03	6.10E-04	4.56E-04
246	563544.3	4234992	4.54E-03	7.70E-04	3.66E-03	6.00E-04	4.48E-04
247	563543	4235013	4.49E-03	7.61E-04	3.62E-03	5.93E-04	4.43E-04
248	563535.6	4235026	4.57E-03	7.75E-04	3.69E-03	6.04E-04	4.51E-04
249	563528.2	4235038	4.65E-03	7.88E-04	3.75E-03	6.14E-04	4.59E-04
250	563520.8	4235051	4.73E-03	8.03E-04	3.82E-03	6.26E-04	4.67E-04
251	563513.5	4235064	4.83E-03	8.20E-04	3.90E-03	6.39E-04	4.77E-04
252	563506.1	4235077	4.95E-03	8.40E-04	4.00E-03	6.55E-04	4.89E-04
253	563498.7	4235090	5.08E-03	8.62E-04	4.10E-03	6.72E-04	5.02E-04
254	563491.3	4235103	5.21E-03	8.85E-04	4.21E-03	6.89E-04	5.15E-04
255	563483.9	4235115	5.32E-03	9.02E-04	4.29E-03	7.03E-04	5.25E-04

256	563476.5	4235128	5.43E-03	9.22E-04	4.39E-03	7.18E-04	5.37E-04
257	563469.2	4235141	5.53E-03	9.39E-04	4.47E-03	7.32E-04	5.46E-04
258	563461.8	4235154	5.60E-03	9.51E-04	4.52E-03	7.41E-04	5.53E-04
259	563454.4	4235167	5.64E-03	9.57E-04	4.56E-03	7.46E-04	5.57E-04
260	563511.7	4234802	5.44E-03	9.22E-04	4.39E-03	7.19E-04	5.37E-04
261	563504.4	4234789	5.59E-03	9.49E-04	4.52E-03	7.40E-04	5.53E-04
262	563551.6	4234797	4.52E-03	7.67E-04	3.65E-03	5.97E-04	4.46E-04
263	563554	4234812	4.45E-03	7.54E-04	3.59E-03	5.88E-04	4.39E-04
264	563556.4	4234827	4.40E-03	7.46E-04	3.55E-03	5.82E-04	4.34E-04
265	563558.8	4234842	4.38E-03	7.43E-04	3.54E-03	5.79E-04	4.33E-04
266	563561.1	4234857	4.34E-03	7.36E-04	3.50E-03	5.74E-04	4.29E-04
267	563563.5	4234872	4.26E-03	7.23E-04	3.44E-03	5.64E-04	4.21E-04
268	563565.9	4234887	4.20E-03	7.12E-04	3.39E-03	5.55E-04	4.15E-04
269	563568.2	4234902	4.15E-03	7.03E-04	3.35E-03	5.48E-04	4.09E-04
270	563570.6	4234917	4.10E-03	6.96E-04	3.31E-03	5.43E-04	4.05E-04
271	563573	4234932	4.07E-03	6.91E-04	3.29E-03	5.38E-04	4.02E-04
272	563575.3	4234946	4.04E-03	6.85E-04	3.26E-03	5.34E-04	3.99E-04
273	563577.7	4234961	4.00E-03	6.79E-04	3.23E-03	5.29E-04	3.95E-04
274	563580.1	4234976	3.95E-03	6.70E-04	3.19E-03	5.22E-04	3.90E-04
275	563582.5	4234991	3.89E-03	6.60E-04	3.14E-03	5.14E-04	3.84E-04
276	563584.8	4235006	3.81E-03	6.47E-04	3.08E-03	5.04E-04	3.77E-04
277	563582.2	4235020	3.80E-03	6.44E-04	3.07E-03	5.02E-04	3.75E-04
278	563574.7	4235033	3.84E-03	6.52E-04	3.10E-03	5.08E-04	3.80E-04
279	563567.2	4235046	3.89E-03	6.61E-04	3.14E-03	5.15E-04	3.84E-04
280	563559.7	4235059	3.95E-03	6.70E-04	3.19E-03	5.22E-04	3.90E-04
281	563552.1	4235073	4.02E-03	6.82E-04	3.25E-03	5.32E-04	3.97E-04
282	563544.6	4235086	4.10E-03	6.96E-04	3.31E-03	5.43E-04	4.05E-04
283	563537.1	4235099	4.20E-03	7.13E-04	3.39E-03	5.55E-04	4.15E-04
284	563522	4235125	4.42E-03	7.50E-04	3.57E-03	5.85E-04	4.37E-04
285	563514.5	4235138	4.52E-03	7.67E-04	3.65E-03	5.98E-04	4.47E-04
286	563506.9	4235151	4.61E-03	7.82E-04	3.72E-03	6.09E-04	4.55E-04
287	563499.4	4235164	4.68E-03	7.93E-04	3.78E-03	6.18E-04	4.62E-04
288	563491.9	4235177	4.73E-03	8.03E-04	3.82E-03	6.26E-04	4.67E-04
289	563484.4	4235190	4.77E-03	8.09E-04	3.85E-03	6.31E-04	4.71E-04
290	563476.8	4235203	4.79E-03	8.13E-04	3.87E-03	6.34E-04	4.73E-04
291	563546.8	4234783	4.62E-03	7.83E-04	3.73E-03	6.11E-04	4.56E-04
292	563539.5	4234770	4.70E-03	7.97E-04	3.79E-03	6.21E-04	4.64E-04
293	563586.8	4234778	3.91E-03	6.64E-04	3.16E-03	5.18E-04	3.87E-04
294	563589.1	4234793	3.87E-03	6.57E-04	3.13E-03	5.12E-04	3.82E-04
295	563591.5	4234808	3.87E-03	6.57E-04	3.13E-03	5.12E-04	3.82E-04
296	563593.8	4234822	3.86E-03	6.54E-04	3.11E-03	5.10E-04	3.81E-04
297	563596.1	4234837	3.80E-03	6.45E-04	3.07E-03	5.03E-04	3.75E-04
298	563598.5	4234852	3.75E-03	6.36E-04	3.03E-03	4.96E-04	3.70E-04
299	563600.8	4234866	3.70E-03	6.27E-04	2.98E-03	4.89E-04	3.65E-04
300	563603.1	4234881	3.65E-03	6.19E-04	2.95E-03	4.83E-04	3.60E-04
301	563605.5	4234896	3.61E-03	6.13E-04	2.92E-03	4.77E-04	3.57E-04
302	563607.8	4234910	3.58E-03	6.07E-04	2.89E-03	4.73E-04	3.54E-04
303	563610.2	4234925	3.55E-03	6.03E-04	2.87E-03	4.70E-04	3.51E-04
304	563612.5	4234940	3.53E-03	5.98E-04	2.85E-03	4.66E-04	3.48E-04
305	563614.8	4234955	3.50E-03	5.94E-04	2.83E-03	4.63E-04	3.46E-04
306	563617.2	4234969	3.47E-03	5.88E-04	2.80E-03	4.58E-04	3.42E-04
307	563619.5	4234984	3.42E-03	5.81E-04	2.76E-03	4.53E-04	3.38E-04

308	563621.8	4234999	3.37E-03	5.71E-04	2.72E-03	4.45E-04	3.33E-04
309	563624.2	4235013	3.30E-03	5.60E-04	2.67E-03	4.37E-04	3.26E-04
310	563621.6	4235027	3.28E-03	5.57E-04	2.65E-03	4.34E-04	3.24E-04
311	563614.2	4235040	3.31E-03	5.62E-04	2.67E-03	4.38E-04	3.27E-04
312	563606.8	4235053	3.34E-03	5.66E-04	2.70E-03	4.41E-04	3.30E-04
313	563599.4	4235066	3.36E-03	5.71E-04	2.72E-03	4.45E-04	3.32E-04
314	563591.9	4235079	3.40E-03	5.77E-04	2.74E-03	4.49E-04	3.36E-04
315	563584.5	4235092	3.45E-03	5.86E-04	2.79E-03	4.56E-04	3.41E-04
316	563577.1	4235105	3.52E-03	5.97E-04	2.84E-03	4.65E-04	3.47E-04
317	563569.7	4235118	3.59E-03	6.10E-04	2.90E-03	4.75E-04	3.55E-04
318	563554.8	4235144	3.76E-03	6.38E-04	3.04E-03	4.97E-04	3.71E-04
319	563547.4	4235156	3.84E-03	6.52E-04	3.10E-03	5.08E-04	3.79E-04
320	563540	4235169	3.91E-03	6.64E-04	3.16E-03	5.17E-04	3.86E-04
321	563532.5	4235182	3.97E-03	6.74E-04	3.21E-03	5.25E-04	3.92E-04
322	563525.1	4235195	4.02E-03	6.83E-04	3.25E-03	5.32E-04	3.97E-04
323	563517.7	4235208	4.07E-03	6.90E-04	3.28E-03	5.38E-04	4.02E-04
324	563510.3	4235221	4.10E-03	6.95E-04	3.31E-03	5.42E-04	4.05E-04
325	563502.8	4235234	4.11E-03	6.98E-04	3.32E-03	5.44E-04	4.06E-04
326	563582	4234764	4.02E-03	6.82E-04	3.25E-03	5.32E-04	3.97E-04
327	563574.7	4234751	4.17E-03	7.08E-04	3.37E-03	5.52E-04	4.12E-04
328	563622	4234759	3.54E-03	6.01E-04	2.86E-03	4.68E-04	3.50E-04
329	563624.3	4234774	3.47E-03	5.90E-04	2.81E-03	4.60E-04	3.43E-04
330	563626.7	4234789	3.42E-03	5.80E-04	2.76E-03	4.52E-04	3.37E-04
331	563629.1	4234804	3.37E-03	5.71E-04	2.72E-03	4.45E-04	3.33E-04
332	563631.4	4234819	3.32E-03	5.64E-04	2.68E-03	4.40E-04	3.28E-04
333	563633.8	4234834	3.28E-03	5.57E-04	2.65E-03	4.34E-04	3.24E-04
334	563636.2	4234849	3.25E-03	5.51E-04	2.62E-03	4.30E-04	3.21E-04
335	563638.6	4234864	3.22E-03	5.46E-04	2.60E-03	4.26E-04	3.18E-04
336	563640.9	4234879	3.19E-03	5.42E-04	2.58E-03	4.22E-04	3.15E-04
337	563643.3	4234894	3.17E-03	5.38E-04	2.56E-03	4.19E-04	3.13E-04
338	563645.7	4234909	3.15E-03	5.35E-04	2.55E-03	4.17E-04	3.11E-04
339	563648.1	4234923	3.14E-03	5.32E-04	2.53E-03	4.15E-04	3.10E-04
340	563650.4	4234938	3.12E-03	5.29E-04	2.52E-03	4.12E-04	3.08E-04
341	563652.8	4234953	3.10E-03	5.25E-04	2.50E-03	4.09E-04	3.06E-04
342	563655.2	4234968	3.07E-03	5.21E-04	2.48E-03	4.06E-04	3.03E-04
343	563657.6	4234983	3.03E-03	5.15E-04	2.45E-03	4.01E-04	3.00E-04
344	563659.9	4234998	2.99E-03	5.07E-04	2.41E-03	3.95E-04	2.95E-04
345	563662.3	4235013	2.92E-03	4.95E-04	2.36E-03	3.86E-04	2.88E-04
346	563660.9	4235035	2.85E-03	4.83E-04	2.30E-03	3.76E-04	2.81E-04
347	563653.4	4235048	2.87E-03	4.87E-04	2.32E-03	3.80E-04	2.84E-04
348	563645.8	4235061	2.89E-03	4.90E-04	2.33E-03	3.82E-04	2.85E-04
349	563638.3	4235074	2.90E-03	4.92E-04	2.34E-03	3.84E-04	2.86E-04
350	563630.7	4235087	2.92E-03	4.95E-04	2.35E-03	3.86E-04	2.88E-04
351	563623.2	4235100	2.95E-03	5.00E-04	2.38E-03	3.90E-04	2.91E-04
352	563615.7	4235113	3.00E-03	5.08E-04	2.42E-03	3.96E-04	2.96E-04
353	563608.1	4235126	3.06E-03	5.19E-04	2.47E-03	4.05E-04	3.02E-04
354	563600.6	4235140	3.13E-03	5.31E-04	2.53E-03	4.14E-04	3.09E-04
355	563585.5	4235166	3.27E-03	5.56E-04	2.64E-03	4.33E-04	3.23E-04
356	563578	4235179	3.35E-03	5.68E-04	2.70E-03	4.43E-04	3.31E-04
357	563570.4	4235192	3.41E-03	5.78E-04	2.75E-03	4.51E-04	3.37E-04
358	563562.9	4235205	3.45E-03	5.86E-04	2.79E-03	4.57E-04	3.41E-04
359	563555.3	4235218	3.49E-03	5.91E-04	2.81E-03	4.61E-04	3.44E-04

360	563547.8	4235231	3.52E-03	5.97E-04	2.84E-03	4.65E-04	3.47E-04
361	563540.2	4235244	3.56E-03	6.03E-04	2.87E-03	4.70E-04	3.51E-04
362	563532.7	4235258	3.60E-03	6.10E-04	2.90E-03	4.75E-04	3.55E-04
363	563617.1	4234745	3.62E-03	6.15E-04	2.93E-03	4.79E-04	3.58E-04
364	563609.9	4234732	3.73E-03	6.33E-04	3.01E-03	4.93E-04	3.68E-04
365	563657.1	4234740	3.17E-03	5.37E-04	2.56E-03	4.19E-04	3.13E-04
366	563659.4	4234755	3.09E-03	5.25E-04	2.50E-03	4.09E-04	3.06E-04
367	563661.8	4234769	3.04E-03	5.15E-04	2.45E-03	4.02E-04	3.00E-04
368	563664.1	4234784	2.99E-03	5.07E-04	2.41E-03	3.95E-04	2.95E-04
369	563666.5	4234799	2.93E-03	4.98E-04	2.37E-03	3.88E-04	2.90E-04
370	563668.8	4234814	2.89E-03	4.90E-04	2.33E-03	3.82E-04	2.85E-04
371	563671.2	4234829	2.86E-03	4.85E-04	2.31E-03	3.78E-04	2.82E-04
372	563673.5	4234843	2.83E-03	4.81E-04	2.29E-03	3.75E-04	2.80E-04
373	563675.9	4234858	2.82E-03	4.78E-04	2.28E-03	3.73E-04	2.78E-04
374	563678.2	4234873	2.81E-03	4.76E-04	2.27E-03	3.71E-04	2.77E-04
375	563680.6	4234888	2.80E-03	4.75E-04	2.26E-03	3.70E-04	2.77E-04
376	563682.9	4234902	2.80E-03	4.75E-04	2.26E-03	3.70E-04	2.76E-04
377	563685.3	4234917	2.79E-03	4.73E-04	2.25E-03	3.69E-04	2.76E-04
378	563687.6	4234932	2.78E-03	4.72E-04	2.25E-03	3.68E-04	2.75E-04
379	563689.9	4234947	2.77E-03	4.70E-04	2.24E-03	3.66E-04	2.74E-04
380	563692.3	4234961	2.76E-03	4.68E-04	2.23E-03	3.64E-04	2.72E-04
381	563694.6	4234976	2.72E-03	4.62E-04	2.20E-03	3.60E-04	2.69E-04
382	563697	4234991	2.67E-03	4.54E-04	2.16E-03	3.53E-04	2.64E-04
383	563699.3	4235006	2.63E-03	4.46E-04	2.12E-03	3.48E-04	2.60E-04
384	563701.7	4235021	2.59E-03	4.39E-04	2.09E-03	3.42E-04	2.55E-04
385	563700.3	4235042	2.54E-03	4.31E-04	2.05E-03	3.36E-04	2.51E-04
386	563692.8	4235055	2.54E-03	4.31E-04	2.05E-03	3.36E-04	2.51E-04
387	563685.4	4235068	2.54E-03	4.31E-04	2.05E-03	3.36E-04	2.51E-04
388	563677.9	4235081	2.54E-03	4.31E-04	2.05E-03	3.36E-04	2.51E-04
389	563670.5	4235094	2.54E-03	4.31E-04	2.05E-03	3.36E-04	2.51E-04
390	563663	4235107	2.56E-03	4.34E-04	2.07E-03	3.39E-04	2.53E-04
391	563655.6	4235120	2.58E-03	4.38E-04	2.08E-03	3.41E-04	2.55E-04
392	563648.1	4235133	2.62E-03	4.45E-04	2.12E-03	3.46E-04	2.59E-04
393	563640.7	4235146	2.68E-03	4.54E-04	2.16E-03	3.54E-04	2.65E-04
394	563633.2	4235158	2.74E-03	4.65E-04	2.21E-03	3.62E-04	2.71E-04
395	563618.3	4235184	2.85E-03	4.84E-04	2.30E-03	3.77E-04	2.82E-04
396	563610.8	4235197	2.91E-03	4.94E-04	2.35E-03	3.85E-04	2.87E-04
397	563603.4	4235210	2.96E-03	5.02E-04	2.39E-03	3.91E-04	2.92E-04
398	563595.9	4235223	3.00E-03	5.09E-04	2.42E-03	3.97E-04	2.97E-04
399	563588.5	4235236	3.03E-03	5.15E-04	2.45E-03	4.01E-04	3.00E-04
400	563581	4235249	3.07E-03	5.22E-04	2.48E-03	4.07E-04	3.04E-04
401	563573.6	4235262	3.12E-03	5.29E-04	2.52E-03	4.12E-04	3.08E-04
402	563566.1	4235275	3.17E-03	5.39E-04	2.56E-03	4.20E-04	3.13E-04
403	563558.7	4235288	3.23E-03	5.48E-04	2.61E-03	4.27E-04	3.19E-04
404	563652.3	4234726	3.27E-03	5.54E-04	2.64E-03	4.32E-04	3.23E-04
405	563645	4234712	3.39E-03	5.76E-04	2.74E-03	4.49E-04	3.35E-04
406	563692.3	4234721	2.85E-03	4.84E-04	2.30E-03	3.77E-04	2.81E-04
407	563694.6	4234736	2.78E-03	4.71E-04	2.24E-03	3.67E-04	2.74E-04
408	563697	4234751	2.71E-03	4.60E-04	2.19E-03	3.58E-04	2.68E-04
409	563699.4	4234766	2.66E-03	4.51E-04	2.15E-03	3.52E-04	2.63E-04
410	563701.8	4234781	2.62E-03	4.44E-04	2.11E-03	3.46E-04	2.58E-04
411	563704.1	4234796	2.56E-03	4.35E-04	2.07E-03	3.39E-04	2.53E-04

412	563706.5	4234811	2.51E-03	4.26E-04	2.03E-03	3.32E-04	2.48E-04
413	563708.9	4234826	2.48E-03	4.20E-04	2.00E-03	3.28E-04	2.45E-04
414	563711.3	4234841	2.46E-03	4.17E-04	1.98E-03	3.25E-04	2.43E-04
415	563713.7	4234856	2.45E-03	4.16E-04	1.98E-03	3.25E-04	2.42E-04
416	563716	4234871	2.46E-03	4.18E-04	1.99E-03	3.26E-04	2.43E-04
417	563718.4	4234886	2.47E-03	4.19E-04	1.99E-03	3.26E-04	2.44E-04
418	563720.8	4234900	2.46E-03	4.17E-04	1.98E-03	3.25E-04	2.43E-04
419	563723.2	4234915	2.45E-03	4.16E-04	1.98E-03	3.24E-04	2.42E-04
420	563725.5	4234930	2.45E-03	4.16E-04	1.98E-03	3.25E-04	2.42E-04
421	563727.9	4234945	2.45E-03	4.16E-04	1.98E-03	3.25E-04	2.42E-04
422	563730.3	4234960	2.45E-03	4.16E-04	1.98E-03	3.24E-04	2.42E-04
423	563732.7	4234975	2.44E-03	4.14E-04	1.97E-03	3.22E-04	2.41E-04
424	563735	4234990	2.42E-03	4.10E-04	1.95E-03	3.20E-04	2.39E-04
425	563737.4	4235005	2.38E-03	4.05E-04	1.93E-03	3.15E-04	2.35E-04
426	563739.8	4235020	2.33E-03	3.96E-04	1.88E-03	3.08E-04	2.30E-04
427	563742.2	4235035	2.28E-03	3.87E-04	1.84E-03	3.01E-04	2.25E-04
428	563739.6	4235049	2.26E-03	3.84E-04	1.83E-03	3.00E-04	2.24E-04
429	563732	4235062	2.28E-03	3.87E-04	1.84E-03	3.01E-04	2.25E-04
430	563724.5	4235075	2.29E-03	3.88E-04	1.85E-03	3.02E-04	2.26E-04
431	563716.9	4235089	2.28E-03	3.86E-04	1.84E-03	3.01E-04	2.25E-04
432	563709.4	4235102	2.27E-03	3.84E-04	1.83E-03	3.00E-04	2.24E-04
433	563701.8	4235115	2.26E-03	3.83E-04	1.82E-03	2.99E-04	2.23E-04
434	563694.3	4235128	2.27E-03	3.85E-04	1.83E-03	3.00E-04	2.24E-04
435	563686.7	4235141	2.29E-03	3.89E-04	1.85E-03	3.03E-04	2.26E-04
436	563679.2	4235154	2.33E-03	3.95E-04	1.88E-03	3.08E-04	2.30E-04
437	563671.6	4235167	2.38E-03	4.03E-04	1.92E-03	3.14E-04	2.35E-04
438	563649	4235207	2.53E-03	4.30E-04	2.05E-03	3.35E-04	2.50E-04
439	563641.4	4235220	2.58E-03	4.39E-04	2.09E-03	3.42E-04	2.55E-04
440	563633.9	4235233	2.63E-03	4.46E-04	2.12E-03	3.48E-04	2.60E-04
441	563626.3	4235246	2.67E-03	4.54E-04	2.16E-03	3.54E-04	2.64E-04
442	563618.8	4235259	2.71E-03	4.60E-04	2.19E-03	3.58E-04	2.68E-04
443	563611.2	4235272	2.74E-03	4.66E-04	2.22E-03	3.63E-04	2.71E-04
444	563603.7	4235285	2.79E-03	4.73E-04	2.25E-03	3.69E-04	2.75E-04
445	563596.1	4235299	2.85E-03	4.83E-04	2.30E-03	3.77E-04	2.81E-04
446	563588.6	4235312	2.91E-03	4.94E-04	2.35E-03	3.85E-04	2.87E-04
447	563581	4235325	2.96E-03	5.01E-04	2.39E-03	3.91E-04	2.92E-04
448	563687.4	4234707	2.95E-03	5.00E-04	2.38E-03	3.90E-04	2.91E-04
449	563680.2	4234693	3.06E-03	5.20E-04	2.47E-03	4.05E-04	3.03E-04
450	563727.4	4234702	2.58E-03	4.38E-04	2.09E-03	3.42E-04	2.55E-04
451	563729.8	4234717	2.52E-03	4.28E-04	2.03E-03	3.33E-04	2.49E-04
452	563732.1	4234731	2.46E-03	4.17E-04	1.98E-03	3.25E-04	2.43E-04
453	563734.5	4234746	2.40E-03	4.06E-04	1.93E-03	3.17E-04	2.37E-04
454	563736.8	4234761	2.34E-03	3.97E-04	1.89E-03	3.10E-04	2.31E-04
455	563739.2	4234776	2.30E-03	3.90E-04	1.86E-03	3.04E-04	2.27E-04
456	563741.5	4234791	2.25E-03	3.82E-04	1.82E-03	2.98E-04	2.23E-04
457	563743.9	4234805	2.21E-03	3.75E-04	1.78E-03	2.92E-04	2.18E-04
458	563746.2	4234820	2.17E-03	3.69E-04	1.76E-03	2.87E-04	2.15E-04
459	563748.6	4234835	2.15E-03	3.66E-04	1.74E-03	2.85E-04	2.13E-04
460	563756.5	4235095	2.02E-03	3.43E-04	1.63E-03	2.67E-04	2.00E-04
461	563749.1	4235108	2.02E-03	3.42E-04	1.63E-03	2.67E-04	1.99E-04
462	563741.6	4235121	2.02E-03	3.42E-04	1.63E-03	2.67E-04	1.99E-04
463	563734.1	4235134	2.02E-03	3.43E-04	1.63E-03	2.67E-04	2.00E-04

464	563726.6	4235147	2.02E-03	3.43E-04	1.63E-03	2.68E-04	2.00E-04
465	563719.2	4235160	2.05E-03	3.47E-04	1.65E-03	2.71E-04	2.02E-04
466	563711.7	4235173	2.08E-03	3.53E-04	1.68E-03	2.75E-04	2.06E-04
467	563704.2	4235186	2.13E-03	3.61E-04	1.72E-03	2.81E-04	2.10E-04
468	563689.3	4235212	2.20E-03	3.74E-04	1.78E-03	2.91E-04	2.17E-04
469	563681.8	4235225	2.25E-03	3.82E-04	1.82E-03	2.98E-04	2.22E-04
470	563674.3	4235238	2.30E-03	3.90E-04	1.86E-03	3.04E-04	2.27E-04
471	563666.8	4235251	2.35E-03	3.99E-04	1.90E-03	3.11E-04	2.32E-04
472	563659.4	4235264	2.40E-03	4.07E-04	1.93E-03	3.17E-04	2.37E-04
473	563651.9	4235277	2.44E-03	4.14E-04	1.97E-03	3.22E-04	2.41E-04
474	563644.4	4235290	2.48E-03	4.20E-04	2.00E-03	3.28E-04	2.45E-04
475	563636.9	4235303	2.52E-03	4.27E-04	2.03E-03	3.33E-04	2.49E-04
476	563629.5	4235316	2.56E-03	4.34E-04	2.07E-03	3.39E-04	2.53E-04
477	563622	4235329	2.60E-03	4.41E-04	2.10E-03	3.44E-04	2.57E-04
478	563614.5	4235342	2.64E-03	4.47E-04	2.13E-03	3.49E-04	2.60E-04
479	563607.1	4235355	2.66E-03	4.51E-04	2.15E-03	3.52E-04	2.63E-04
480	563722.6	4234688	2.66E-03	4.52E-04	2.15E-03	3.52E-04	2.63E-04
481	563807.8	4234967	1.98E-03	3.36E-04	1.60E-03	2.62E-04	1.95E-04
482	563810.1	4234982	1.98E-03	3.35E-04	1.60E-03	2.61E-04	1.95E-04
483	563812.5	4234997	1.97E-03	3.34E-04	1.59E-03	2.60E-04	1.94E-04
484	563814.9	4235012	1.95E-03	3.31E-04	1.57E-03	2.58E-04	1.92E-04
485	563817.3	4235027	1.92E-03	3.26E-04	1.55E-03	2.54E-04	1.90E-04
486	563819.7	4235042	1.89E-03	3.21E-04	1.53E-03	2.50E-04	1.87E-04
487	563818.3	4235064	1.87E-03	3.17E-04	1.51E-03	2.47E-04	1.84E-04
488	563810.7	4235077	1.87E-03	3.18E-04	1.51E-03	2.47E-04	1.85E-04
489	563757.8	4235169	1.84E-03	3.12E-04	1.48E-03	2.43E-04	1.81E-04
490	563750.3	4235182	1.86E-03	3.15E-04	1.50E-03	2.45E-04	1.83E-04
491	563742.7	4235195	1.88E-03	3.20E-04	1.52E-03	2.49E-04	1.86E-04
492	563735.1	4235208	1.92E-03	3.26E-04	1.55E-03	2.54E-04	1.89E-04
493	563720	4235234	1.99E-03	3.37E-04	1.60E-03	2.63E-04	1.96E-04
494	563712.5	4235248	2.03E-03	3.44E-04	1.64E-03	2.68E-04	2.00E-04
495	563704.9	4235261	2.07E-03	3.51E-04	1.67E-03	2.74E-04	2.04E-04
496	563697.4	4235274	2.11E-03	3.59E-04	1.71E-03	2.80E-04	2.09E-04
497	563689.8	4235287	2.16E-03	3.66E-04	1.74E-03	2.85E-04	2.13E-04
498	563682.3	4235300	2.20E-03	3.73E-04	1.77E-03	2.91E-04	2.17E-04
499	563674.7	4235313	2.24E-03	3.80E-04	1.81E-03	2.96E-04	2.21E-04
500	563667.1	4235326	2.28E-03	3.86E-04	1.84E-03	3.01E-04	2.25E-04
501	563659.6	4235340	2.32E-03	3.93E-04	1.87E-03	3.06E-04	2.29E-04
502	563652	4235353	2.35E-03	3.99E-04	1.90E-03	3.11E-04	2.32E-04
503	563644.5	4235366	2.38E-03	4.03E-04	1.92E-03	3.14E-04	2.35E-04
504	563636.9	4235379	2.39E-03	4.06E-04	1.93E-03	3.16E-04	2.36E-04
505	563804.8	4234708	2.08E-03	3.54E-04	1.68E-03	2.76E-04	2.06E-04
506	563807.2	4234723	2.03E-03	3.45E-04	1.64E-03	2.69E-04	2.01E-04
507	563809.5	4234738	1.98E-03	3.36E-04	1.60E-03	2.62E-04	1.95E-04
508	563811.9	4234753	1.92E-03	3.26E-04	1.55E-03	2.54E-04	1.90E-04
509	563814.2	4234768	1.86E-03	3.15E-04	1.50E-03	2.46E-04	1.83E-04
510	563816.6	4234782	1.79E-03	3.04E-04	1.45E-03	2.37E-04	1.77E-04
511	563818.9	4234797	1.74E-03	2.96E-04	1.41E-03	2.30E-04	1.72E-04
512	563821.3	4234812	1.71E-03	2.90E-04	1.38E-03	2.26E-04	1.69E-04
513	563823.7	4234827	1.68E-03	2.85E-04	1.35E-03	2.22E-04	1.66E-04
514	563826	4234842	1.65E-03	2.80E-04	1.33E-03	2.18E-04	1.63E-04
515	563828.4	4234857	1.64E-03	2.78E-04	1.32E-03	2.16E-04	1.62E-04

516	563830.7	4234871	1.63E-03	2.77E-04	1.32E-03	2.16E-04	1.61E-04
517	563833.1	4234886	1.49E-03	2.52E-04	1.20E-03	1.97E-04	1.47E-04
518	563835.4	4234901	1.49E-03	2.53E-04	1.20E-03	1.97E-04	1.47E-04
519	563837.8	4234916	1.50E-03	2.55E-04	1.21E-03	1.99E-04	1.48E-04
520	563840.2	4234931	1.51E-03	2.57E-04	1.22E-03	2.00E-04	1.50E-04
521	563842.5	4234946	1.52E-03	2.59E-04	1.23E-03	2.02E-04	1.51E-04
522	563844.9	4234960	1.54E-03	2.61E-04	1.24E-03	2.03E-04	1.52E-04
523	563847.2	4234975	1.54E-03	2.62E-04	1.25E-03	2.04E-04	1.53E-04
524	563849.6	4234990	1.54E-03	2.61E-04	1.24E-03	2.03E-04	1.52E-04
525	563851.9	4235005	1.53E-03	2.59E-04	1.23E-03	2.02E-04	1.51E-04
526	563854.3	4235020	1.52E-03	2.58E-04	1.23E-03	2.01E-04	1.50E-04
527	563856.7	4235035	1.50E-03	2.55E-04	1.21E-03	1.99E-04	1.48E-04
528	563859	4235049	1.49E-03	2.52E-04	1.20E-03	1.96E-04	1.47E-04
529	563857.6	4235071	1.48E-03	2.52E-04	1.20E-03	1.96E-04	1.47E-04
530	563850.1	4235084	1.52E-03	2.58E-04	1.23E-03	2.01E-04	1.50E-04
531	563842.7	4235097	1.58E-03	2.68E-04	1.28E-03	2.09E-04	1.56E-04
532	563835.2	4235110	1.70E-03	2.89E-04	1.37E-03	2.25E-04	1.68E-04
533	563827.7	4235123	1.70E-03	2.89E-04	1.37E-03	2.25E-04	1.68E-04
534	563820.2	4235136	1.70E-03	2.88E-04	1.37E-03	2.25E-04	1.68E-04
535	563812.7	4235149	1.69E-03	2.86E-04	1.36E-03	2.23E-04	1.67E-04
536	563752.8	4235253	1.80E-03	3.05E-04	1.45E-03	2.38E-04	1.78E-04
537	563745.3	4235266	1.83E-03	3.11E-04	1.48E-03	2.42E-04	1.81E-04
538	563737.8	4235279	1.87E-03	3.17E-04	1.51E-03	2.47E-04	1.85E-04
539	563730.3	4235292	1.90E-03	3.23E-04	1.54E-03	2.52E-04	1.88E-04
540	563722.8	4235305	1.94E-03	3.30E-04	1.57E-03	2.57E-04	1.92E-04
541	563715.3	4235318	1.98E-03	3.36E-04	1.60E-03	2.62E-04	1.96E-04
542	563707.8	4235331	2.02E-03	3.42E-04	1.63E-03	2.67E-04	1.99E-04
543	563700.4	4235344	2.05E-03	3.48E-04	1.66E-03	2.71E-04	2.03E-04
544	563692.9	4235357	2.08E-03	3.54E-04	1.68E-03	2.76E-04	2.06E-04
545	563685.4	4235370	2.11E-03	3.58E-04	1.71E-03	2.79E-04	2.09E-04
546	563677.9	4235383	2.14E-03	3.63E-04	1.73E-03	2.83E-04	2.11E-04
547	563670.4	4235396	2.16E-03	3.66E-04	1.74E-03	2.85E-04	2.13E-04
548	563662.9	4235409	2.17E-03	3.68E-04	1.75E-03	2.87E-04	2.14E-04
549	563844.8	4234720	1.86E-03	3.16E-04	1.50E-03	2.46E-04	1.84E-04
550	563847.2	4234735	1.81E-03	3.07E-04	1.46E-03	2.40E-04	1.79E-04
551	563849.5	4234749	1.76E-03	2.98E-04	1.42E-03	2.32E-04	1.73E-04
552	563851.9	4234764	1.69E-03	2.87E-04	1.37E-03	2.24E-04	1.67E-04
553	563854.3	4234779	1.63E-03	2.77E-04	1.32E-03	2.16E-04	1.61E-04
554	563856.7	4234794	1.58E-03	2.68E-04	1.28E-03	2.09E-04	1.56E-04
555	563859.1	4234809	1.53E-03	2.60E-04	1.24E-03	2.03E-04	1.52E-04
556	563861.4	4234824	1.38E-03	2.34E-04	1.11E-03	1.82E-04	1.36E-04
557	563863.8	4234839	1.34E-03	2.27E-04	1.08E-03	1.77E-04	1.32E-04
558	563866.2	4234854	1.31E-03	2.23E-04	1.06E-03	1.74E-04	1.30E-04
559	563868.6	4234869	1.31E-03	2.22E-04	1.06E-03	1.73E-04	1.29E-04
560	563871	4234884	1.29E-03	2.18E-04	1.04E-03	1.70E-04	1.27E-04
561	563873.3	4234899	1.25E-03	2.12E-04	1.01E-03	1.65E-04	1.23E-04
562	563875.7	4234914	1.24E-03	2.10E-04	9.98E-04	1.63E-04	1.22E-04
563	563878.1	4234929	1.25E-03	2.12E-04	1.01E-03	1.66E-04	1.24E-04
564	563880.5	4234944	1.29E-03	2.19E-04	1.04E-03	1.71E-04	1.28E-04
565	563882.9	4234959	1.35E-03	2.29E-04	1.09E-03	1.78E-04	1.33E-04
566	563885.2	4234974	1.36E-03	2.30E-04	1.10E-03	1.79E-04	1.34E-04
567	563887.6	4234989	1.33E-03	2.26E-04	1.08E-03	1.76E-04	1.32E-04

568	563890	4235004	1.33E-03	2.25E-04	1.07E-03	1.75E-04	1.31E-04
569	563892.4	4235019	1.33E-03	2.26E-04	1.07E-03	1.76E-04	1.31E-04
570	563894.8	4235034	1.33E-03	2.26E-04	1.08E-03	1.76E-04	1.32E-04
571	563897.1	4235049	1.33E-03	2.26E-04	1.07E-03	1.76E-04	1.31E-04
572	563899.5	4235064	1.32E-03	2.25E-04	1.07E-03	1.75E-04	1.31E-04
573	563896.9	4235078	1.33E-03	2.25E-04	1.07E-03	1.75E-04	1.31E-04
574	563889.4	4235091	1.34E-03	2.28E-04	1.09E-03	1.78E-04	1.33E-04
575	563881.8	4235104	1.38E-03	2.35E-04	1.12E-03	1.83E-04	1.37E-04
576	563874.3	4235118	1.44E-03	2.44E-04	1.16E-03	1.90E-04	1.42E-04
577	563866.7	4235131	1.56E-03	2.65E-04	1.26E-03	2.06E-04	1.54E-04
578	563859.1	4235144	1.56E-03	2.65E-04	1.26E-03	2.07E-04	1.54E-04
579	563851.6	4235157	1.56E-03	2.65E-04	1.26E-03	2.07E-04	1.54E-04
580	563844	4235170	1.55E-03	2.64E-04	1.26E-03	2.06E-04	1.54E-04
581	563836.5	4235183	1.54E-03	2.61E-04	1.24E-03	2.04E-04	1.52E-04
582	563828.9	4235196	1.53E-03	2.60E-04	1.24E-03	2.02E-04	1.51E-04
583	563760.8	4235315	1.74E-03	2.95E-04	1.40E-03	2.30E-04	1.72E-04
584	563753.3	4235328	1.77E-03	3.00E-04	1.43E-03	2.34E-04	1.75E-04
585	563745.7	4235341	1.80E-03	3.06E-04	1.46E-03	2.38E-04	1.78E-04
586	563738.2	4235354	1.83E-03	3.11E-04	1.48E-03	2.43E-04	1.81E-04
587	563730.6	4235367	1.87E-03	3.17E-04	1.51E-03	2.47E-04	1.84E-04
588	563723	4235381	1.89E-03	3.21E-04	1.53E-03	2.50E-04	1.87E-04
589	563715.5	4235394	1.91E-03	3.24E-04	1.54E-03	2.53E-04	1.89E-04
590	563707.9	4235407	1.93E-03	3.27E-04	1.55E-03	2.55E-04	1.90E-04
591	563700.4	4235420	1.94E-03	3.29E-04	1.57E-03	2.57E-04	1.92E-04
592	563692.8	4235433	1.96E-03	3.33E-04	1.58E-03	2.59E-04	1.94E-04
593	563685.2	4235446	1.98E-03	3.37E-04	1.60E-03	2.62E-04	1.96E-04
594	563886.9	4234744	1.59E-03	2.70E-04	1.29E-03	2.11E-04	1.57E-04
595	563889.3	4234759	1.53E-03	2.60E-04	1.24E-03	2.02E-04	1.51E-04
596	563891.6	4234774	1.48E-03	2.51E-04	1.20E-03	1.96E-04	1.46E-04
597	563894	4234789	1.34E-03	2.28E-04	1.09E-03	1.78E-04	1.33E-04
598	563896.4	4234804	1.27E-03	2.15E-04	1.02E-03	1.68E-04	1.25E-04
599	563898.7	4234819	1.20E-03	2.04E-04	9.70E-04	1.59E-04	1.19E-04
600	563901.1	4234834	1.17E-03	1.98E-04	9.41E-04	1.54E-04	1.15E-04
601	563903.5	4234848	1.14E-03	1.93E-04	9.17E-04	1.50E-04	1.12E-04
602	563905.8	4234863	1.12E-03	1.90E-04	9.04E-04	1.48E-04	1.11E-04
603	563908.2	4234878	1.11E-03	1.89E-04	8.99E-04	1.47E-04	1.10E-04
604	563910.5	4234893	1.11E-03	1.89E-04	8.99E-04	1.47E-04	1.10E-04
605	563912.9	4234908	1.12E-03	1.90E-04	9.06E-04	1.48E-04	1.11E-04
606	563915.3	4234923	1.13E-03	1.93E-04	9.16E-04	1.50E-04	1.12E-04
607	563917.6	4234938	1.15E-03	1.95E-04	9.30E-04	1.52E-04	1.14E-04
608	563920	4234952	1.17E-03	1.99E-04	9.46E-04	1.55E-04	1.16E-04
609	563922.3	4234967	1.19E-03	2.02E-04	9.61E-04	1.57E-04	1.18E-04
610	563924.7	4234982	1.21E-03	2.05E-04	9.75E-04	1.60E-04	1.19E-04
611	563927.1	4234997	1.22E-03	2.07E-04	9.87E-04	1.62E-04	1.21E-04
612	563929.4	4235012	1.23E-03	2.09E-04	9.96E-04	1.63E-04	1.22E-04
613	563931.8	4235027	1.24E-03	2.10E-04	1.00E-03	1.64E-04	1.22E-04
614	563934.2	4235042	1.19E-03	2.01E-04	9.58E-04	1.57E-04	1.17E-04
615	563936.5	4235057	1.14E-03	1.93E-04	9.19E-04	1.51E-04	1.12E-04
616	563938.9	4235071	1.18E-03	2.00E-04	9.50E-04	1.56E-04	1.16E-04
617	563936.3	4235085	1.23E-03	2.08E-04	9.91E-04	1.62E-04	1.21E-04
618	563928.8	4235098	1.25E-03	2.12E-04	1.01E-03	1.65E-04	1.23E-04
619	563921.3	4235111	1.23E-03	2.09E-04	9.94E-04	1.63E-04	1.22E-04

620	563913.8	4235124	1.25E-03	2.13E-04	1.01E-03	1.66E-04	1.24E-04
621	563906.3	4235137	1.29E-03	2.19E-04	1.04E-03	1.71E-04	1.28E-04
622	563898.8	4235151	1.34E-03	2.27E-04	1.08E-03	1.77E-04	1.32E-04
623	563891.3	4235164	1.43E-03	2.43E-04	1.16E-03	1.89E-04	1.41E-04
624	563883.8	4235177	1.44E-03	2.44E-04	1.16E-03	1.90E-04	1.42E-04
625	563876.3	4235190	1.43E-03	2.43E-04	1.16E-03	1.90E-04	1.42E-04
626	563868.8	4235203	1.42E-03	2.41E-04	1.15E-03	1.88E-04	1.40E-04
627	563861.3	4235216	1.41E-03	2.40E-04	1.14E-03	1.87E-04	1.40E-04
628	563853.8	4235229	1.41E-03	2.40E-04	1.14E-03	1.87E-04	1.40E-04
629	563763.8	4235385	1.67E-03	2.84E-04	1.35E-03	2.21E-04	1.65E-04
630	563756.3	4235398	1.70E-03	2.88E-04	1.37E-03	2.25E-04	1.68E-04
631	563748.8	4235411	1.72E-03	2.92E-04	1.39E-03	2.28E-04	1.70E-04
632	563741.3	4235425	1.74E-03	2.96E-04	1.41E-03	2.31E-04	1.72E-04
633	563733.8	4235438	1.77E-03	3.00E-04	1.43E-03	2.34E-04	1.75E-04
634	563726.3	4235451	1.79E-03	3.03E-04	1.44E-03	2.37E-04	1.77E-04
635	563718.8	4235464	1.81E-03	3.07E-04	1.46E-03	2.39E-04	1.78E-04
636	563711.3	4235477	1.82E-03	3.09E-04	1.47E-03	2.41E-04	1.80E-04
637	563264.4	4234908	4.84E-02	8.22E-03	3.91E-02	6.40E-03	4.78E-03
638	563600.7	4234810	3.76E-03	6.38E-04	3.04E-03	4.97E-04	3.71E-04
639	563638.6	4234797	3.26E-03	5.52E-04	2.63E-03	4.31E-04	3.22E-04
640	563633.8	4234783	3.34E-03	5.66E-04	2.69E-03	4.41E-04	3.29E-04
641	563676.5	4234785	2.86E-03	4.85E-04	2.31E-03	3.78E-04	2.82E-04
642	563671.7	4234770	2.93E-03	4.97E-04	2.37E-03	3.87E-04	2.89E-04
643	563714.4	4234772	2.51E-03	4.26E-04	2.03E-03	3.32E-04	2.48E-04
644	563709.6	4234758	2.57E-03	4.36E-04	2.08E-03	3.40E-04	2.54E-04
645	563828.1	4234733	1.90E-03	3.23E-04	1.54E-03	2.52E-04	1.88E-04
646	563823.3	4234719	1.96E-03	3.33E-04	1.58E-03	2.59E-04	1.94E-04
647	563260	4234894	5.46E-02	9.26E-03	4.41E-02	7.22E-03	5.39E-03
648	563271.8	4234898	4.41E-02	7.48E-03	3.56E-02	5.83E-03	4.35E-03
649	563281.4	4234895	3.83E-02	6.50E-03	3.09E-02	5.06E-03	3.78E-03
650	563290.9	4234893	3.35E-02	5.69E-03	2.71E-02	4.43E-03	3.31E-03
651	563300.5	4234890	2.95E-02	5.01E-03	2.38E-02	3.91E-03	2.92E-03
652	563307.7	4234879	2.72E-02	4.61E-03	2.20E-02	3.60E-03	2.68E-03
653	563317.3	4234876	2.42E-02	4.10E-03	1.95E-02	3.20E-03	2.39E-03
654	563326.8	4234873	2.16E-02	3.67E-03	1.74E-02	2.86E-03	2.13E-03
655	563269.5	4234888	4.69E-02	7.96E-03	3.79E-02	6.21E-03	4.63E-03
656	563279.4	4234887	4.01E-02	6.81E-03	3.24E-02	5.31E-03	3.96E-03
657	563606.8	4234845	3.64E-03	6.17E-04	2.94E-03	4.81E-04	3.59E-04
658	563646.3	4234838	3.13E-03	5.31E-04	2.53E-03	4.14E-04	3.09E-04
659	563685.9	4234832	2.70E-03	4.59E-04	2.18E-03	3.58E-04	2.67E-04
660	563684.5	4234824	2.72E-03	4.61E-04	2.20E-03	3.60E-04	2.69E-04
661	563725.4	4234826	2.32E-03	3.94E-04	1.88E-03	3.07E-04	2.29E-04
662	563804.4	4234814	1.80E-03	3.06E-04	1.46E-03	2.38E-04	1.78E-04
663	563803.1	4234805	1.82E-03	3.09E-04	1.47E-03	2.41E-04	1.80E-04
664	563844	4234808	1.61E-03	2.74E-04	1.30E-03	2.13E-04	1.59E-04
665	563883.5	4234801	1.34E-03	2.28E-04	1.08E-03	1.77E-04	1.33E-04
666	563923	4234795	1.22E-03	2.07E-04	9.84E-04	1.61E-04	1.20E-04
667	563921.7	4234787	1.26E-03	2.14E-04	1.02E-03	1.66E-04	1.24E-04
668	563258.1	4234880	5.87E-02	9.96E-03	4.74E-02	7.76E-03	5.80E-03
669	563268	4234878	4.92E-02	8.35E-03	3.97E-02	6.51E-03	4.86E-03
670	563277.9	4234877	4.19E-02	7.11E-03	3.38E-02	5.54E-03	4.14E-03
671	563287.7	4234875	3.60E-02	6.12E-03	2.91E-02	4.77E-03	3.56E-03

672	563297.6	4234874	3.13E-02	5.32E-03	2.53E-02	4.14E-03	3.09E-03
673	563564.3	4234832	4.28E-03	7.27E-04	3.46E-03	5.67E-04	4.23E-04
674	563605.4	4234835	3.67E-03	6.22E-04	2.96E-03	4.85E-04	3.62E-04
675	563603.8	4234825	3.70E-03	6.28E-04	2.99E-03	4.89E-04	3.65E-04
676	563644.9	4234829	3.15E-03	5.35E-04	2.54E-03	4.17E-04	3.11E-04
677	563643.3	4234819	3.17E-03	5.39E-04	2.56E-03	4.20E-04	3.14E-04
678	563682.9	4234813	2.74E-03	4.65E-04	2.21E-03	3.63E-04	2.71E-04
679	563723.9	4234817	2.34E-03	3.97E-04	1.89E-03	3.09E-04	2.31E-04
680	563722.4	4234807	2.37E-03	4.03E-04	1.92E-03	3.14E-04	2.34E-04
681	563842.4	4234798	1.64E-03	2.78E-04	1.32E-03	2.16E-04	1.62E-04
682	563840.9	4234788	1.66E-03	2.82E-04	1.34E-03	2.20E-04	1.64E-04
683	563882	4234792	1.48E-03	2.51E-04	1.19E-03	1.96E-04	1.46E-04
684	563880.4	4234782	1.52E-03	2.57E-04	1.22E-03	2.00E-04	1.50E-04
685	563919.9	4234776	1.29E-03	2.18E-04	1.04E-03	1.70E-04	1.27E-04
686	563257.4	4234870	6.08E-02	1.03E-02	4.91E-02	8.04E-03	6.00E-03
687	563267.4	4234869	5.06E-02	8.58E-03	4.08E-02	6.69E-03	5.00E-03
688	563307.3	4234866	2.77E-02	4.70E-03	2.24E-02	3.66E-03	2.73E-03
689	563317.2	4234865	2.44E-02	4.14E-03	1.97E-02	3.22E-03	2.41E-03
690	563327.2	4234865	2.16E-02	3.67E-03	1.75E-02	2.86E-03	2.14E-03
691	563347.1	4234863	1.73E-02	2.94E-03	1.40E-02	2.29E-03	1.71E-03
692	563607.3	4234855	3.62E-03	6.14E-04	2.92E-03	4.79E-04	3.57E-04
693	563647.2	4234852	3.12E-03	5.29E-04	2.52E-03	4.13E-04	3.08E-04
694	563687	4234848	2.70E-03	4.58E-04	2.18E-03	3.57E-04	2.67E-04
695	563726.9	4234845	2.32E-03	3.93E-04	1.87E-03	3.06E-04	2.29E-04
696	563806.7	4234839	1.77E-03	3.01E-04	1.43E-03	2.35E-04	1.75E-04
697	563805.7	4234827	1.78E-03	3.03E-04	1.44E-03	2.36E-04	1.76E-04
698	563846.6	4234836	1.42E-03	2.41E-04	1.15E-03	1.88E-04	1.40E-04
699	563845.6	4234824	1.58E-03	2.67E-04	1.27E-03	2.08E-04	1.56E-04
700	563886.4	4234833	1.24E-03	2.10E-04	1.00E-03	1.64E-04	1.22E-04
701	563885.5	4234821	1.26E-03	2.14E-04	1.02E-03	1.67E-04	1.25E-04
702	563926.3	4234830	1.10E-03	1.87E-04	8.91E-04	1.46E-04	1.09E-04
703	563925.4	4234818	1.13E-03	1.91E-04	9.10E-04	1.49E-04	1.11E-04
704	563257.7	4234861	6.15E-02	1.04E-02	4.97E-02	8.14E-03	6.08E-03
705	563277.6	4234867	4.27E-02	7.24E-03	3.45E-02	5.64E-03	4.21E-03
706	563287.7	4234862	3.67E-02	6.22E-03	2.96E-02	4.85E-03	3.62E-03
707	563297.7	4234862	3.17E-02	5.37E-03	2.56E-02	4.19E-03	3.13E-03
708	563607.6	4234873	3.60E-03	6.11E-04	2.91E-03	4.76E-04	3.55E-04
709	563647.7	4234867	3.12E-03	5.29E-04	2.52E-03	4.12E-04	3.08E-04
710	563687.5	4234880	2.73E-03	4.63E-04	2.20E-03	3.61E-04	2.69E-04
711	563687.6	4234868	2.71E-03	4.60E-04	2.19E-03	3.59E-04	2.68E-04
712	563727.5	4234881	2.39E-03	4.05E-04	1.93E-03	3.16E-04	2.36E-04
713	563727.6	4234869	2.36E-03	4.01E-04	1.91E-03	3.13E-04	2.33E-04
714	563807.4	4234882	1.81E-03	3.07E-04	1.46E-03	2.40E-04	1.79E-04
715	563807.6	4234870	1.79E-03	3.04E-04	1.45E-03	2.37E-04	1.77E-04
716	563847.4	4234882	1.39E-03	2.35E-04	1.12E-03	1.84E-04	1.37E-04
717	563847.6	4234871	1.38E-03	2.34E-04	1.11E-03	1.83E-04	1.36E-04
718	563887.4	4234883	1.21E-03	2.05E-04	9.73E-04	1.59E-04	1.19E-04
719	563887.6	4234871	1.21E-03	2.05E-04	9.77E-04	1.60E-04	1.19E-04
720	563927.4	4234884	1.07E-03	1.81E-04	8.61E-04	1.41E-04	1.05E-04
721	563927.6	4234872	1.06E-03	1.81E-04	8.59E-04	1.41E-04	1.05E-04
722	563258.1	4234845	6.26E-02	1.06E-02	5.06E-02	8.28E-03	6.19E-03
723	563267.9	4234853	5.14E-02	8.72E-03	4.15E-02	6.79E-03	5.07E-03

724	563277.9	4234853	4.32E-02	7.33E-03	3.49E-02	5.71E-03	4.27E-03
725	563288.1	4234845	3.69E-02	6.27E-03	2.98E-02	4.88E-03	3.65E-03
726	563298.1	4234846	3.18E-02	5.40E-03	2.57E-02	4.21E-03	3.14E-03
727	563307.9	4234854	2.77E-02	4.70E-03	2.24E-02	3.66E-03	2.74E-03
728	563317.9	4234854	2.43E-02	4.13E-03	1.97E-02	3.22E-03	2.40E-03
729	563327.9	4234855	2.16E-02	3.66E-03	1.74E-02	2.85E-03	2.13E-03
730	563348.1	4234847	1.72E-02	2.92E-03	1.39E-02	2.28E-03	1.70E-03
731	563367.9	4234856	1.41E-02	2.39E-03	1.14E-02	1.86E-03	1.39E-03
732	563388	4234848	1.15E-02	1.95E-03	9.30E-03	1.52E-03	1.14E-03
733	563408	4234848	9.84E-03	1.67E-03	7.95E-03	1.30E-03	9.72E-04
734	563728	4234855	2.33E-03	3.95E-04	1.88E-03	3.08E-04	2.30E-04
735	563807.9	4234857	1.77E-03	3.01E-04	1.43E-03	2.35E-04	1.75E-04
736	563847.9	4234858	1.38E-03	2.34E-04	1.11E-03	1.82E-04	1.36E-04
737	563887.9	4234859	1.21E-03	2.05E-04	9.76E-04	1.60E-04	1.19E-04
738	563927.9	4234860	1.07E-03	1.81E-04	8.61E-04	1.41E-04	1.05E-04
739	563249	4234812	7.90E-02	1.34E-02	6.38E-02	1.04E-02	7.80E-03
740	563258.6	4234829	6.30E-02	1.07E-02	5.09E-02	8.33E-03	6.22E-03
741	563259	4234812	6.28E-02	1.06E-02	5.07E-02	8.30E-03	6.20E-03
742	563268.3	4234837	5.18E-02	8.78E-03	4.18E-02	6.84E-03	5.11E-03
743	563268.8	4234821	5.16E-02	8.76E-03	4.17E-02	6.83E-03	5.10E-03
744	563278.3	4234837	4.33E-02	7.35E-03	3.50E-02	5.73E-03	4.28E-03
745	563278.8	4234821	4.30E-02	7.29E-03	3.47E-02	5.68E-03	4.24E-03
746	563288.5	4234830	3.65E-02	6.20E-03	2.95E-02	4.83E-03	3.61E-03
747	563289	4234813	3.58E-02	6.07E-03	2.89E-02	4.73E-03	3.53E-03
748	563298.5	4234830	3.13E-02	5.31E-03	2.53E-02	4.14E-03	3.09E-03
749	563299	4234814	3.05E-02	5.18E-03	2.46E-02	4.04E-03	3.01E-03
750	563308.3	4234838	2.75E-02	4.66E-03	2.22E-02	3.63E-03	2.71E-03
751	563308.8	4234822	2.68E-02	4.55E-03	2.16E-02	3.54E-03	2.65E-03
752	563318.3	4234839	2.41E-02	4.09E-03	1.95E-02	3.19E-03	2.38E-03
753	563318.8	4234822	2.35E-02	3.99E-03	1.90E-02	3.11E-03	2.32E-03
754	563328.3	4234839	2.13E-02	3.62E-03	1.72E-02	2.82E-03	2.11E-03
755	563328.8	4234823	2.08E-02	3.53E-03	1.68E-02	2.75E-03	2.05E-03
756	563348.5	4234831	1.69E-02	2.86E-03	1.36E-02	2.23E-03	1.67E-03
757	563349	4234815	1.64E-02	2.79E-03	1.33E-02	2.17E-03	1.62E-03
758	563368.3	4234840	1.39E-02	2.36E-03	1.13E-02	1.84E-03	1.38E-03
759	563368.7	4234824	1.36E-02	2.32E-03	1.10E-02	1.80E-03	1.35E-03
760	563388.5	4234832	1.14E-02	1.94E-03	9.23E-03	1.51E-03	1.13E-03
761	563389	4234816	1.13E-02	1.92E-03	9.14E-03	1.50E-03	1.12E-03
762	563408.7	4234825	9.72E-03	1.65E-03	7.85E-03	1.29E-03	9.60E-04
763	563428.2	4234842	8.59E-03	1.46E-03	6.94E-03	1.14E-03	8.48E-04
764	563429	4234817	8.39E-03	1.42E-03	6.77E-03	1.11E-03	8.28E-04
765	563448.5	4234834	7.47E-03	1.27E-03	6.03E-03	9.88E-04	7.38E-04
766	563468.5	4234835	6.67E-03	1.13E-03	5.38E-03	8.82E-04	6.58E-04
767	563488.7	4234827	6.04E-03	1.02E-03	4.88E-03	7.99E-04	5.96E-04
768	563508.7	4234828	5.45E-03	9.24E-04	4.40E-03	7.21E-04	5.38E-04
769	563528.4	4234837	4.92E-03	8.35E-04	3.98E-03	6.51E-04	4.86E-04
770	563528.9	4234820	4.97E-03	8.43E-04	4.01E-03	6.57E-04	4.90E-04
771	563568.2	4234846	4.24E-03	7.20E-04	3.43E-03	5.61E-04	4.19E-04
772	563568.9	4234822	4.18E-03	7.09E-04	3.37E-03	5.53E-04	4.13E-04
773	563687.9	4234858	2.70E-03	4.58E-04	2.18E-03	3.57E-04	2.66E-04
774	563728.6	4234834	2.30E-03	3.90E-04	1.86E-03	3.04E-04	2.27E-04
775	563848.3	4234846	1.38E-03	2.34E-04	1.11E-03	1.82E-04	1.36E-04

776	563888.3	4234847	1.21E-03	2.06E-04	9.79E-04	1.60E-04	1.20E-04
777	563928.3	4234848	1.07E-03	1.82E-04	8.67E-04	1.42E-04	1.06E-04
778	563249.2	4234803	7.89E-02	1.34E-02	6.37E-02	1.04E-02	7.79E-03
779	563249.4	4234793	7.87E-02	1.33E-02	6.35E-02	1.04E-02	7.77E-03
780	563249.6	4234784	7.81E-02	1.32E-02	6.30E-02	1.03E-02	7.71E-03
781	563249.7	4234774	7.70E-02	1.31E-02	6.21E-02	1.02E-02	7.60E-03
782	563249.9	4234765	7.56E-02	1.28E-02	6.10E-02	1.00E-02	7.46E-03
783	563250.1	4234756	7.40E-02	1.25E-02	5.97E-02	9.78E-03	7.30E-03
784	563250.2	4234746	7.25E-02	1.23E-02	5.85E-02	9.59E-03	7.16E-03
785	563250.4	4234737	7.07E-02	1.20E-02	5.71E-02	9.35E-03	6.98E-03
786	563250.6	4234728	6.84E-02	1.16E-02	5.53E-02	9.05E-03	6.76E-03
787	563259.2	4234803	6.23E-02	1.06E-02	5.03E-02	8.24E-03	6.15E-03
788	563259.4	4234793	6.16E-02	1.05E-02	4.98E-02	8.15E-03	6.09E-03
789	563259.6	4234784	6.08E-02	1.03E-02	4.91E-02	8.05E-03	6.01E-03
790	563259.7	4234775	5.99E-02	1.02E-02	4.83E-02	7.92E-03	5.91E-03
791	563259.9	4234765	5.87E-02	9.96E-03	4.74E-02	7.76E-03	5.80E-03
792	563260.1	4234756	5.73E-02	9.73E-03	4.63E-02	7.58E-03	5.66E-03
793	563260.2	4234747	5.59E-02	9.49E-03	4.52E-02	7.40E-03	5.52E-03
794	563260.4	4234737	5.43E-02	9.21E-03	4.38E-02	7.18E-03	5.36E-03
795	563260.6	4234728	5.24E-02	8.89E-03	4.23E-02	6.93E-03	5.17E-03
796	563269	4234812	5.12E-02	8.69E-03	4.13E-02	6.77E-03	5.06E-03
797	563269.2	4234803	5.05E-02	8.57E-03	4.08E-02	6.68E-03	4.99E-03
798	563269.4	4234794	4.97E-02	8.43E-03	4.01E-02	6.57E-03	4.91E-03
799	563269.5	4234784	4.88E-02	8.28E-03	3.94E-02	6.46E-03	4.82E-03
800	563269.7	4234775	4.80E-02	8.14E-03	3.87E-02	6.35E-03	4.74E-03
801	563269.9	4234766	4.70E-02	7.97E-03	3.79E-02	6.21E-03	4.64E-03
802	563270.1	4234756	4.58E-02	7.78E-03	3.70E-02	6.06E-03	4.53E-03
803	563270.2	4234747	4.46E-02	7.56E-03	3.60E-02	5.90E-03	4.40E-03
804	563270.4	4234738	4.31E-02	7.32E-03	3.48E-02	5.71E-03	4.26E-03
805	563270.6	4234728	4.15E-02	7.05E-03	3.35E-02	5.49E-03	4.10E-03
806	563279.2	4234803	4.18E-02	7.10E-03	3.38E-02	5.53E-03	4.13E-03
807	563279.4	4234794	4.11E-02	6.97E-03	3.32E-02	5.43E-03	4.06E-03
808	563279.5	4234784	4.02E-02	6.83E-03	3.25E-02	5.32E-03	3.98E-03
809	563279.7	4234775	3.95E-02	6.70E-03	3.19E-02	5.22E-03	3.90E-03
810	563279.9	4234766	3.86E-02	6.55E-03	3.12E-02	5.11E-03	3.81E-03
811	563280.1	4234756	3.76E-02	6.38E-03	3.04E-02	4.97E-03	3.71E-03
812	563280.2	4234747	3.65E-02	6.19E-03	2.95E-02	4.83E-03	3.60E-03
813	563280.4	4234738	3.53E-02	5.99E-03	2.85E-02	4.67E-03	3.48E-03
814	563280.6	4234728	3.40E-02	5.76E-03	2.74E-02	4.49E-03	3.35E-03
815	563289.2	4234803	3.52E-02	5.98E-03	2.84E-02	4.66E-03	3.48E-03
816	563289.4	4234794	3.46E-02	5.87E-03	2.79E-02	4.58E-03	3.42E-03
817	563289.5	4234785	3.39E-02	5.75E-03	2.74E-02	4.48E-03	3.35E-03
818	563289.7	4234775	3.32E-02	5.63E-03	2.68E-02	4.39E-03	3.28E-03
819	563289.9	4234766	3.24E-02	5.50E-03	2.62E-02	4.29E-03	3.20E-03
820	563290.1	4234757	3.15E-02	5.35E-03	2.55E-02	4.17E-03	3.11E-03
821	563290.2	4234747	3.06E-02	5.19E-03	2.47E-02	4.04E-03	3.02E-03
822	563290.4	4234738	2.96E-02	5.01E-03	2.39E-02	3.91E-03	2.92E-03
823	563290.6	4234729	2.85E-02	4.83E-03	2.30E-02	3.77E-03	2.81E-03
824	563299.2	4234803	3.01E-02	5.10E-03	2.43E-02	3.98E-03	2.97E-03
825	563299.4	4234794	2.96E-02	5.02E-03	2.39E-02	3.91E-03	2.92E-03
826	563299.5	4234785	2.90E-02	4.92E-03	2.34E-02	3.84E-03	2.87E-03
827	563299.7	4234775	2.84E-02	4.82E-03	2.29E-02	3.75E-03	2.80E-03

828	563299.9	4234766	2.77E-02	4.70E-03	2.24E-02	3.66E-03	2.73E-03
829	563300.1	4234757	2.69E-02	4.57E-03	2.17E-02	3.56E-03	2.66E-03
830	563300.2	4234747	2.61E-02	4.43E-03	2.11E-02	3.45E-03	2.58E-03
831	563300.4	4234738	2.53E-02	4.29E-03	2.04E-02	3.34E-03	2.49E-03
832	563300.6	4234729	2.44E-02	4.14E-03	1.97E-02	3.22E-03	2.41E-03
833	563309	4234813	2.64E-02	4.48E-03	2.13E-02	3.49E-03	2.61E-03
834	563309.2	4234804	2.60E-02	4.41E-03	2.10E-02	3.44E-03	2.57E-03
835	563309.4	4234794	2.56E-02	4.34E-03	2.06E-02	3.38E-03	2.52E-03
836	563309.5	4234785	2.50E-02	4.25E-03	2.02E-02	3.31E-03	2.47E-03
837	563309.7	4234776	2.45E-02	4.16E-03	1.98E-02	3.24E-03	2.42E-03
838	563309.9	4234766	2.39E-02	4.05E-03	1.93E-02	3.16E-03	2.36E-03
839	563310.1	4234757	2.32E-02	3.94E-03	1.88E-02	3.07E-03	2.29E-03
840	563310.2	4234748	2.25E-02	3.83E-03	1.82E-02	2.98E-03	2.23E-03
841	563310.4	4234738	2.18E-02	3.70E-03	1.76E-02	2.89E-03	2.16E-03
842	563310.6	4234729	2.11E-02	3.58E-03	1.70E-02	2.79E-03	2.08E-03
843	563319	4234813	2.31E-02	3.92E-03	1.87E-02	3.06E-03	2.28E-03
844	563319.2	4234804	2.28E-02	3.86E-03	1.84E-02	3.01E-03	2.25E-03
845	563319.4	4234794	2.23E-02	3.79E-03	1.80E-02	2.95E-03	2.20E-03
846	563319.5	4234785	2.18E-02	3.70E-03	1.76E-02	2.89E-03	2.16E-03
847	563319.7	4234776	2.14E-02	3.62E-03	1.72E-02	2.82E-03	2.11E-03
848	563319.9	4234766	2.08E-02	3.53E-03	1.68E-02	2.75E-03	2.06E-03
849	563320.1	4234757	2.03E-02	3.44E-03	1.64E-02	2.68E-03	2.00E-03
850	563320.2	4234748	1.97E-02	3.34E-03	1.59E-02	2.60E-03	1.94E-03
851	563320.4	4234738	1.91E-02	3.24E-03	1.54E-02	2.52E-03	1.89E-03
852	563320.6	4234729	1.85E-02	3.14E-03	1.49E-02	2.44E-03	1.83E-03
853	563329	4234813	2.04E-02	3.47E-03	1.65E-02	2.70E-03	2.02E-03
854	563329.2	4234804	2.01E-02	3.41E-03	1.62E-02	2.65E-03	1.98E-03
855	563329.4	4234795	1.97E-02	3.34E-03	1.59E-02	2.60E-03	1.94E-03
856	563329.5	4234785	1.92E-02	3.26E-03	1.55E-02	2.54E-03	1.90E-03
857	563329.7	4234776	1.88E-02	3.19E-03	1.52E-02	2.49E-03	1.86E-03
858	563329.9	4234767	1.84E-02	3.12E-03	1.48E-02	2.43E-03	1.81E-03
859	563330	4234757	1.79E-02	3.04E-03	1.45E-02	2.37E-03	1.77E-03
860	563330.2	4234748	1.74E-02	2.95E-03	1.41E-02	2.30E-03	1.72E-03
861	563330.4	4234739	1.69E-02	2.87E-03	1.37E-02	2.24E-03	1.67E-03
862	563330.6	4234729	1.64E-02	2.78E-03	1.32E-02	2.17E-03	1.62E-03
863	563349.2	4234804	1.62E-02	2.74E-03	1.30E-02	2.14E-03	1.60E-03
864	563349.4	4234795	1.59E-02	2.69E-03	1.28E-02	2.10E-03	1.57E-03
865	563349.5	4234786	1.56E-02	2.64E-03	1.26E-02	2.06E-03	1.54E-03
866	563349.7	4234776	1.53E-02	2.59E-03	1.23E-02	2.02E-03	1.51E-03
867	563349.9	4234767	1.49E-02	2.53E-03	1.20E-02	1.97E-03	1.47E-03
868	563350	4234758	1.45E-02	2.46E-03	1.17E-02	1.92E-03	1.43E-03
869	563350.2	4234748	1.42E-02	2.40E-03	1.14E-02	1.87E-03	1.40E-03
870	563350.4	4234739	1.38E-02	2.34E-03	1.11E-02	1.83E-03	1.36E-03
871	563350.6	4234730	1.34E-02	2.28E-03	1.09E-02	1.78E-03	1.33E-03
872	563369	4234814	1.35E-02	2.29E-03	1.09E-02	1.78E-03	1.33E-03
873	563369.2	4234805	1.34E-02	2.27E-03	1.08E-02	1.77E-03	1.32E-03
874	563369.4	4234795	1.32E-02	2.24E-03	1.07E-02	1.75E-03	1.31E-03
875	563369.5	4234786	1.31E-02	2.22E-03	1.05E-02	1.73E-03	1.29E-03
876	563369.7	4234777	1.28E-02	2.17E-03	1.03E-02	1.69E-03	1.26E-03
877	563369.9	4234767	1.25E-02	2.11E-03	1.01E-02	1.65E-03	1.23E-03
878	563370	4234758	1.21E-02	2.06E-03	9.81E-03	1.61E-03	1.20E-03
879	563370.2	4234749	1.19E-02	2.02E-03	9.60E-03	1.57E-03	1.17E-03

880	563370.4	4234739	1.16E-02	1.97E-03	9.39E-03	1.54E-03	1.15E-03
881	563370.6	4234730	1.14E-02	1.93E-03	9.18E-03	1.50E-03	1.12E-03
882	563389.2	4234805	1.12E-02	1.91E-03	9.08E-03	1.49E-03	1.11E-03
883	563389.4	4234796	1.12E-02	1.89E-03	9.01E-03	1.48E-03	1.10E-03
884	563389.5	4234786	1.11E-02	1.88E-03	8.93E-03	1.46E-03	1.09E-03
885	563389.7	4234777	1.08E-02	1.84E-03	8.76E-03	1.43E-03	1.07E-03
886	563389.9	4234768	1.06E-02	1.80E-03	8.57E-03	1.40E-03	1.05E-03
887	563390	4234758	1.04E-02	1.76E-03	8.38E-03	1.37E-03	1.03E-03
888	563390.2	4234749	1.02E-02	1.73E-03	8.23E-03	1.35E-03	1.01E-03
889	563390.4	4234740	1.00E-02	1.70E-03	8.08E-03	1.32E-03	9.88E-04
890	563390.5	4234730	9.82E-03	1.67E-03	7.93E-03	1.30E-03	9.69E-04
891	563409	4234815	9.65E-03	1.64E-03	7.79E-03	1.28E-03	9.53E-04
892	563409.2	4234805	9.58E-03	1.62E-03	7.73E-03	1.27E-03	9.46E-04
893	563409.4	4234796	9.49E-03	1.61E-03	7.66E-03	1.26E-03	9.37E-04
894	563409.5	4234787	9.39E-03	1.59E-03	7.58E-03	1.24E-03	9.27E-04
895	563409.7	4234777	9.28E-03	1.57E-03	7.49E-03	1.23E-03	9.16E-04
896	563409.9	4234768	9.15E-03	1.55E-03	7.39E-03	1.21E-03	9.04E-04
897	563410	4234759	9.01E-03	1.53E-03	7.27E-03	1.19E-03	8.90E-04
898	563410.2	4234749	8.88E-03	1.51E-03	7.17E-03	1.17E-03	8.77E-04
899	563410.4	4234740	8.74E-03	1.48E-03	7.06E-03	1.16E-03	8.64E-04
900	563410.5	4234731	8.61E-03	1.46E-03	6.95E-03	1.14E-03	8.50E-04
901	563429.2	4234806	8.29E-03	1.41E-03	6.69E-03	1.10E-03	8.18E-04
902	563429.4	4234796	8.20E-03	1.39E-03	6.62E-03	1.08E-03	8.10E-04
903	563429.5	4234787	8.11E-03	1.38E-03	6.55E-03	1.07E-03	8.01E-04
904	563429.7	4234778	8.05E-03	1.37E-03	6.50E-03	1.06E-03	7.95E-04
905	563429.9	4234768	7.99E-03	1.36E-03	6.45E-03	1.06E-03	7.89E-04
906	563430	4234759	7.91E-03	1.34E-03	6.39E-03	1.05E-03	7.82E-04
907	563430.2	4234750	7.83E-03	1.33E-03	6.32E-03	1.04E-03	7.73E-04
908	563430.4	4234740	7.73E-03	1.31E-03	6.24E-03	1.02E-03	7.64E-04
909	563430.5	4234731	7.63E-03	1.30E-03	6.16E-03	1.01E-03	7.54E-04
910	563449.2	4234806	7.29E-03	1.24E-03	5.89E-03	9.64E-04	7.20E-04
911	563449.3	4234797	7.23E-03	1.23E-03	5.84E-03	9.56E-04	7.14E-04
912	563449.5	4234787	7.16E-03	1.21E-03	5.78E-03	9.46E-04	7.07E-04
913	563449.7	4234778	7.12E-03	1.21E-03	5.75E-03	9.42E-04	7.03E-04
914	563449.9	4234769	7.08E-03	1.20E-03	5.71E-03	9.36E-04	6.99E-04
915	563450	4234759	7.03E-03	1.19E-03	5.67E-03	9.29E-04	6.94E-04
916	563450.2	4234750	6.97E-03	1.18E-03	5.63E-03	9.21E-04	6.88E-04
917	563450.4	4234741	6.90E-03	1.17E-03	5.57E-03	9.13E-04	6.82E-04
918	563450.5	4234731	6.84E-03	1.16E-03	5.52E-03	9.04E-04	6.75E-04
919	563469.3	4234797	6.53E-03	1.11E-03	5.27E-03	8.63E-04	6.45E-04
920	563469.5	4234788	6.46E-03	1.10E-03	5.22E-03	8.55E-04	6.38E-04
921	563469.7	4234778	6.44E-03	1.09E-03	5.20E-03	8.52E-04	6.36E-04
922	563469.9	4234769	6.42E-03	1.09E-03	5.18E-03	8.49E-04	6.34E-04
923	563470	4234760	6.39E-03	1.08E-03	5.16E-03	8.45E-04	6.31E-04
924	563470.2	4234750	6.33E-03	1.07E-03	5.11E-03	8.38E-04	6.25E-04
925	563470.4	4234741	6.26E-03	1.06E-03	5.05E-03	8.28E-04	6.18E-04
926	563470.5	4234732	6.18E-03	1.05E-03	4.99E-03	8.18E-04	6.11E-04
927	563489.5	4234788	5.93E-03	1.01E-03	4.79E-03	7.84E-04	5.86E-04
928	563489.7	4234779	5.90E-03	1.00E-03	4.77E-03	7.81E-04	5.83E-04
929	563489.9	4234770	5.88E-03	9.98E-04	4.75E-03	7.78E-04	5.81E-04
930	563490	4234760	5.85E-03	9.93E-04	4.73E-03	7.74E-04	5.78E-04
931	563490.2	4234751	5.80E-03	9.84E-04	4.68E-03	7.67E-04	5.73E-04

932	563490.4	4234742	5.73E-03	9.73E-04	4.63E-03	7.58E-04	5.66E-04
933	563490.5	4234732	5.66E-03	9.61E-04	4.57E-03	7.49E-04	5.59E-04
934	563509.7	4234779	5.44E-03	9.24E-04	4.39E-03	7.20E-04	5.38E-04
935	563509.8	4234770	5.39E-03	9.14E-04	4.35E-03	7.12E-04	5.32E-04
936	563510	4234761	5.33E-03	9.04E-04	4.30E-03	7.04E-04	5.26E-04
937	563510.2	4234751	5.29E-03	8.98E-04	4.27E-03	7.00E-04	5.23E-04
938	563510.4	4234742	5.28E-03	8.96E-04	4.26E-03	6.98E-04	5.22E-04
939	563510.5	4234733	5.27E-03	8.94E-04	4.25E-03	6.97E-04	5.20E-04
940	563529.2	4234808	4.99E-03	8.47E-04	4.03E-03	6.60E-04	4.93E-04
941	563529.3	4234798	5.00E-03	8.49E-04	4.04E-03	6.62E-04	4.94E-04
942	563529.5	4234789	5.01E-03	8.51E-04	4.05E-03	6.63E-04	4.95E-04
943	563529.7	4234780	4.97E-03	8.43E-04	4.01E-03	6.57E-04	4.91E-04
944	563529.8	4234770	4.91E-03	8.34E-04	3.97E-03	6.50E-04	4.85E-04
945	563530	4234761	4.86E-03	8.25E-04	3.92E-03	6.43E-04	4.80E-04
946	563530.2	4234752	4.84E-03	8.21E-04	3.90E-03	6.39E-04	4.78E-04
947	563530.4	4234742	4.84E-03	8.21E-04	3.91E-03	6.40E-04	4.78E-04
948	563530.5	4234733	4.85E-03	8.22E-04	3.91E-03	6.41E-04	4.79E-04
949	563569.2	4234808	4.17E-03	7.07E-04	3.36E-03	5.51E-04	4.12E-04
950	563569.3	4234799	4.18E-03	7.09E-04	3.37E-03	5.52E-04	4.13E-04
951	563569.5	4234790	4.19E-03	7.11E-04	3.38E-03	5.54E-04	4.14E-04
952	563569.7	4234780	4.19E-03	7.12E-04	3.39E-03	5.55E-04	4.14E-04
953	563569.8	4234771	4.20E-03	7.12E-04	3.39E-03	5.55E-04	4.15E-04
954	563570	4234762	4.21E-03	7.14E-04	3.40E-03	5.57E-04	4.16E-04
955	563570.5	4234734	4.26E-03	7.24E-04	3.44E-03	5.64E-04	4.21E-04
956	563609.3	4234800	3.63E-03	6.17E-04	2.93E-03	4.81E-04	3.59E-04
957	563609.5	4234790	3.60E-03	6.11E-04	2.91E-03	4.76E-04	3.56E-04
958	563609.7	4234781	3.60E-03	6.11E-04	2.91E-03	4.76E-04	3.55E-04
959	563609.8	4234772	3.62E-03	6.14E-04	2.92E-03	4.78E-04	3.57E-04
960	563610	4234762	3.64E-03	6.17E-04	2.94E-03	4.81E-04	3.59E-04
961	563610.2	4234753	3.66E-03	6.21E-04	2.96E-03	4.84E-04	3.62E-04
962	563649.1	4234810	3.11E-03	5.28E-04	2.51E-03	4.12E-04	3.07E-04
963	563649.3	4234800	3.12E-03	5.30E-04	2.52E-03	4.13E-04	3.08E-04
964	563649.5	4234791	3.14E-03	5.32E-04	2.53E-03	4.15E-04	3.10E-04
965	563649.7	4234782	3.15E-03	5.34E-04	2.54E-03	4.17E-04	3.11E-04
966	563649.8	4234772	3.17E-03	5.37E-04	2.56E-03	4.19E-04	3.13E-04
967	563650	4234763	3.18E-03	5.40E-04	2.57E-03	4.21E-04	3.14E-04
968	563650.2	4234754	3.20E-03	5.44E-04	2.59E-03	4.24E-04	3.16E-04
969	563689.3	4234801	2.70E-03	4.57E-04	2.18E-03	3.56E-04	2.66E-04
970	563689.5	4234792	2.71E-03	4.60E-04	2.19E-03	3.59E-04	2.68E-04
971	563689.6	4234783	2.73E-03	4.63E-04	2.20E-03	3.61E-04	2.69E-04
972	563689.8	4234773	2.74E-03	4.65E-04	2.21E-03	3.62E-04	2.71E-04
973	563690	4234764	2.75E-03	4.67E-04	2.22E-03	3.64E-04	2.72E-04
974	563729.5	4234793	2.35E-03	3.98E-04	1.90E-03	3.11E-04	2.32E-04
975	563729.6	4234783	2.37E-03	4.02E-04	1.91E-03	3.13E-04	2.34E-04
976	563729.8	4234774	2.38E-03	4.03E-04	1.92E-03	3.14E-04	2.35E-04
977	563809.8	4234775	1.85E-03	3.14E-04	1.50E-03	2.45E-04	1.83E-04
978	563929.3	4234806	1.16E-03	1.97E-04	9.38E-04	1.54E-04	1.15E-04
979	563929.8	4234778	1.26E-03	2.13E-04	1.01E-03	1.66E-04	1.24E-04
980	563929.9	4234768	1.28E-03	2.17E-04	1.03E-03	1.69E-04	1.26E-04
981	563930.1	4234759	1.30E-03	2.21E-04	1.05E-03	1.72E-04	1.29E-04
982	563930.3	4234750	1.34E-03	2.27E-04	1.08E-03	1.77E-04	1.32E-04
983	563251.1	4234713	6.34E-02	1.08E-02	5.12E-02	8.39E-03	6.26E-03

984	563251.7	4234698	5.70E-02	9.68E-03	4.61E-02	7.54E-03	5.63E-03
985	563261.1	4234713	4.85E-02	8.22E-03	3.91E-02	6.41E-03	4.79E-03
986	563261.7	4234698	4.38E-02	7.44E-03	3.54E-02	5.80E-03	4.33E-03
987	563271.1	4234714	3.85E-02	6.54E-03	3.11E-02	5.10E-03	3.81E-03
988	563271.7	4234698	3.52E-02	5.97E-03	2.84E-02	4.65E-03	3.47E-03
989	563281.1	4234714	3.16E-02	5.35E-03	2.55E-02	4.17E-03	3.12E-03
990	563281.7	4234699	2.89E-02	4.91E-03	2.34E-02	3.83E-03	2.86E-03
991	563291.1	4234714	2.65E-02	4.50E-03	2.14E-02	3.50E-03	2.62E-03
992	563291.7	4234699	2.44E-02	4.14E-03	1.97E-02	3.23E-03	2.41E-03
993	563301.1	4234715	2.27E-02	3.86E-03	1.84E-02	3.01E-03	2.24E-03
994	563301.7	4234699	2.10E-02	3.56E-03	1.70E-02	2.78E-03	2.07E-03
995	563311.1	4234715	1.98E-02	3.36E-03	1.60E-02	2.62E-03	1.96E-03
996	563311.7	4234700	1.85E-02	3.13E-03	1.49E-02	2.44E-03	1.82E-03
997	563321.1	4234715	1.75E-02	2.97E-03	1.41E-02	2.31E-03	1.73E-03
998	563321.7	4234700	1.64E-02	2.79E-03	1.33E-02	2.17E-03	1.62E-03
999	563331.1	4234716	1.56E-02	2.65E-03	1.26E-02	2.07E-03	1.54E-03
1000	563331.7	4234701	1.48E-02	2.51E-03	1.19E-02	1.96E-03	1.46E-03
1001	563351.1	4234717	1.29E-02	2.19E-03	1.04E-02	1.71E-03	1.28E-03
1002	563351.6	4234701	1.23E-02	2.09E-03	9.96E-03	1.63E-03	1.22E-03
1003	563371.1	4234717	1.10E-02	1.86E-03	8.86E-03	1.45E-03	1.08E-03
1004	563371.6	4234702	1.05E-02	1.78E-03	8.49E-03	1.39E-03	1.04E-03
1005	563391	4234718	9.49E-03	1.61E-03	7.66E-03	1.25E-03	9.37E-04
1006	563391.6	4234703	9.07E-03	1.54E-03	7.32E-03	1.20E-03	8.96E-04
1007	563411	4234719	8.39E-03	1.42E-03	6.78E-03	1.11E-03	8.29E-04
1008	563411.6	4234704	8.11E-03	1.38E-03	6.55E-03	1.07E-03	8.01E-04
1009	563431	4234720	7.50E-03	1.27E-03	6.06E-03	9.92E-04	7.41E-04
1010	563431.6	4234704	7.33E-03	1.24E-03	5.91E-03	9.69E-04	7.23E-04
1011	563451	4234720	6.74E-03	1.14E-03	5.45E-03	8.92E-04	6.66E-04
1012	563451.6	4234705	6.62E-03	1.12E-03	5.34E-03	8.75E-04	6.54E-04
1013	563471	4234721	6.11E-03	1.04E-03	4.93E-03	8.08E-04	6.03E-04
1014	563471.6	4234706	6.02E-03	1.02E-03	4.86E-03	7.96E-04	5.95E-04
1015	563491	4234722	5.60E-03	9.51E-04	4.53E-03	7.41E-04	5.54E-04
1016	563491.5	4234707	5.56E-03	9.43E-04	4.49E-03	7.35E-04	5.49E-04
1017	563511	4234723	5.25E-03	8.91E-04	4.24E-03	6.95E-04	5.19E-04
1018	563511.5	4234707	5.23E-03	8.88E-04	4.23E-03	6.92E-04	5.17E-04
1019	563530.9	4234723	4.84E-03	8.22E-04	3.91E-03	6.41E-04	4.78E-04
1020	563531.5	4234708	4.84E-03	8.21E-04	3.91E-03	6.40E-04	4.78E-04
1021	563571.2	4234717	4.30E-03	7.29E-04	3.47E-03	5.69E-04	4.25E-04
1022	563611.2	4234719	3.79E-03	6.43E-04	3.06E-03	5.01E-04	3.74E-04
1023	563690.3	4234745	2.79E-03	4.74E-04	2.26E-03	3.70E-04	2.76E-04
1024	563251.7	4234682	5.02E-02	8.52E-03	4.05E-02	6.64E-03	4.96E-03
1025	563261.7	4234682	3.90E-02	6.62E-03	3.15E-02	5.16E-03	3.85E-03
1026	563271.7	4234689	3.32E-02	5.64E-03	2.68E-02	4.39E-03	3.28E-03
1027	563281.7	4234689	2.75E-02	4.66E-03	2.22E-02	3.63E-03	2.71E-03
1028	563291.7	4234689	2.33E-02	3.95E-03	1.88E-02	3.08E-03	2.30E-03
1029	563301.7	4234689	2.01E-02	3.42E-03	1.63E-02	2.66E-03	1.99E-03
1030	563311.7	4234689	1.77E-02	3.01E-03	1.43E-02	2.35E-03	1.75E-03
1031	563321.7	4234689	1.59E-02	2.69E-03	1.28E-02	2.10E-03	1.57E-03
1032	563331.7	4234689	1.43E-02	2.43E-03	1.16E-02	1.89E-03	1.41E-03
1033	563351.7	4234689	1.19E-02	2.02E-03	9.62E-03	1.58E-03	1.18E-03
1034	563371.7	4234689	1.02E-02	1.72E-03	8.20E-03	1.34E-03	1.00E-03
1035	563391.7	4234689	8.79E-03	1.49E-03	7.09E-03	1.16E-03	8.68E-04

1036	563411.7	4234689	7.86E-03	1.33E-03	6.35E-03	1.04E-03	7.77E-04
1037	563431.7	4234689	7.13E-03	1.21E-03	5.76E-03	9.43E-04	7.04E-04
1038	563451.7	4234689	6.50E-03	1.10E-03	5.24E-03	8.59E-04	6.42E-04
1039	563471.7	4234697	5.97E-03	1.01E-03	4.82E-03	7.90E-04	5.90E-04
1040	563471.7	4234682	5.89E-03	9.99E-04	4.75E-03	7.78E-04	5.81E-04
1041	563491.7	4234697	5.52E-03	9.37E-04	4.46E-03	7.30E-04	5.45E-04
1042	563491.7	4234682	5.44E-03	9.23E-04	4.39E-03	7.19E-04	5.37E-04
1043	563511.7	4234697	5.22E-03	8.85E-04	4.21E-03	6.90E-04	5.15E-04
1044	563511.7	4234682	5.09E-03	8.64E-04	4.11E-03	6.73E-04	5.03E-04
1045	563531.7	4234697	4.83E-03	8.20E-04	3.90E-03	6.39E-04	4.77E-04
1046	563531.7	4234682	4.78E-03	8.11E-04	3.86E-03	6.32E-04	4.72E-04
1047	563571.6	4234703	4.32E-03	7.34E-04	3.49E-03	5.72E-04	4.27E-04
1048	563571.7	4234689	4.34E-03	7.36E-04	3.50E-03	5.74E-04	4.29E-04
1049	563611.6	4234704	3.84E-03	6.52E-04	3.10E-03	5.08E-04	3.79E-04
1050	563611.7	4234689	3.87E-03	6.57E-04	3.12E-03	5.12E-04	3.82E-04
1051	563651.6	4234702	3.35E-03	5.68E-04	2.70E-03	4.42E-04	3.30E-04
1052	563651.7	4234689	3.38E-03	5.73E-04	2.73E-03	4.47E-04	3.34E-04
1053	563691.7	4234697	2.93E-03	4.98E-04	2.37E-03	3.88E-04	2.90E-04
1054	563691.7	4234682	2.98E-03	5.05E-04	2.40E-03	3.94E-04	2.94E-04
1055	563731.7	4234689	2.59E-03	4.39E-04	2.09E-03	3.42E-04	2.56E-04
1056	563811.7	4234697	2.08E-03	3.53E-04	1.68E-03	2.75E-04	2.06E-04
1057	563261.7	4234671	3.59E-02	6.09E-03	2.90E-02	4.75E-03	3.55E-03
1058	563271.7	4234676	3.05E-02	5.18E-03	2.46E-02	4.03E-03	3.01E-03
1059	563281.7	4234676	2.56E-02	4.35E-03	2.07E-02	3.39E-03	2.53E-03
1060	563291.7	4234676	2.20E-02	3.73E-03	1.78E-02	2.91E-03	2.17E-03
1061	563301.7	4234676	1.92E-02	3.26E-03	1.55E-02	2.54E-03	1.89E-03
1062	563311.7	4234676	1.70E-02	2.88E-03	1.37E-02	2.25E-03	1.68E-03
1063	563321.7	4234676	1.52E-02	2.59E-03	1.23E-02	2.02E-03	1.51E-03
1064	563331.7	4234676	1.38E-02	2.34E-03	1.11E-02	1.82E-03	1.36E-03
1065	563351.7	4234676	1.15E-02	1.95E-03	9.27E-03	1.52E-03	1.13E-03
1066	563371.7	4234676	9.80E-03	1.66E-03	7.91E-03	1.30E-03	9.68E-04
1067	563391.7	4234676	8.55E-03	1.45E-03	6.91E-03	1.13E-03	8.45E-04
1068	563411.7	4234676	7.64E-03	1.30E-03	6.17E-03	1.01E-03	7.54E-04
1069	563431.7	4234676	6.93E-03	1.18E-03	5.59E-03	9.16E-04	6.84E-04
1070	563451.7	4234676	6.38E-03	1.08E-03	5.15E-03	8.44E-04	6.30E-04
1071	563471.7	4234671	5.81E-03	9.85E-04	4.69E-03	7.68E-04	5.74E-04
1072	563491.7	4234671	5.36E-03	9.10E-04	4.33E-03	7.09E-04	5.29E-04
1073	563511.7	4234671	4.98E-03	8.45E-04	4.02E-03	6.59E-04	4.92E-04
1074	563531.7	4234671	4.72E-03	8.01E-04	3.81E-03	6.25E-04	4.66E-04
1075	563571.7	4234676	4.34E-03	7.37E-04	3.51E-03	5.74E-04	4.29E-04
1076	563611.7	4234676	3.89E-03	6.60E-04	3.14E-03	5.15E-04	3.84E-04
1077	563651.7	4234676	3.41E-03	5.78E-04	2.75E-03	4.51E-04	3.37E-04
1078	563261.5	4234655	3.26E-02	5.53E-03	2.63E-02	4.31E-03	3.22E-03
1079	563271.6	4234662	2.82E-02	4.78E-03	2.28E-02	3.73E-03	2.78E-03
1080	563281.6	4234662	2.40E-02	4.07E-03	1.94E-02	3.17E-03	2.37E-03
1081	563291.6	4234662	2.08E-02	3.53E-03	1.68E-02	2.75E-03	2.05E-03
1082	563301.6	4234662	1.83E-02	3.10E-03	1.48E-02	2.42E-03	1.81E-03
1083	563311.6	4234662	1.63E-02	2.76E-03	1.31E-02	2.15E-03	1.61E-03
1084	563321.6	4234662	1.46E-02	2.48E-03	1.18E-02	1.94E-03	1.45E-03
1085	563331.6	4234662	1.33E-02	2.25E-03	1.07E-02	1.76E-03	1.31E-03
1086	563351.6	4234661	1.10E-02	1.87E-03	8.91E-03	1.46E-03	1.09E-03
1087	563371.6	4234661	9.43E-03	1.60E-03	7.62E-03	1.25E-03	9.32E-04

1088	563391.6	4234661	8.28E-03	1.41E-03	6.69E-03	1.10E-03	8.18E-04
1089	563411.6	4234661	7.38E-03	1.25E-03	5.96E-03	9.76E-04	7.29E-04
1090	563278.4	4234603	2.05E-02	3.47E-03	1.65E-02	2.70E-03	2.02E-03
1091	563291.5	4234605	1.74E-02	2.94E-03	1.40E-02	2.30E-03	1.71E-03
1092	563285.6	4234596	1.83E-02	3.10E-03	1.48E-02	2.42E-03	1.81E-03
1093	563298.8	4234598	1.56E-02	2.66E-03	1.26E-02	2.07E-03	1.55E-03
1094	563302.9	4234608	1.53E-02	2.60E-03	1.24E-02	2.02E-03	1.51E-03
1095	563292.9	4234589	1.65E-02	2.79E-03	1.33E-02	2.18E-03	1.63E-03
1096	563305.9	4234591	1.42E-02	2.41E-03	1.15E-02	1.88E-03	1.40E-03
1097	563309.8	4234601	1.38E-02	2.35E-03	1.12E-02	1.83E-03	1.37E-03
1098	563300.1	4234582	1.49E-02	2.53E-03	1.21E-02	1.97E-03	1.47E-03
1099	563320.5	4234577	1.17E-02	1.99E-03	9.48E-03	1.55E-03	1.16E-03
1100	563324.6	4234588	1.15E-02	1.94E-03	9.25E-03	1.51E-03	1.13E-03
1101	563328.8	4234598	1.12E-02	1.91E-03	9.07E-03	1.49E-03	1.11E-03
1102	563332.9	4234608	1.11E-02	1.88E-03	8.96E-03	1.47E-03	1.10E-03
1103	563314.6	4234568	1.23E-02	2.08E-03	9.92E-03	1.62E-03	1.21E-03
1104	563334.9	4234563	9.85E-03	1.67E-03	7.95E-03	1.30E-03	9.72E-04
1105	563339	4234573	9.67E-03	1.64E-03	7.80E-03	1.28E-03	9.55E-04
1106	563343.1	4234583	9.50E-03	1.61E-03	7.67E-03	1.26E-03	9.38E-04
1107	563347.1	4234593	9.38E-03	1.59E-03	7.57E-03	1.24E-03	9.26E-04
1108	563351.2	4234603	9.30E-03	1.58E-03	7.51E-03	1.23E-03	9.18E-04
1109	563329.1	4234554	1.03E-02	1.74E-03	8.30E-03	1.36E-03	1.02E-03
1110	563349.4	4234550	8.45E-03	1.43E-03	6.82E-03	1.12E-03	8.34E-04
1111	563353.4	4234559	8.28E-03	1.40E-03	6.68E-03	1.09E-03	8.18E-04
1112	563357.4	4234569	8.15E-03	1.38E-03	6.58E-03	1.08E-03	8.04E-04
1113	563361.4	4234579	8.05E-03	1.37E-03	6.50E-03	1.06E-03	7.95E-04
1114	563365.4	4234589	7.99E-03	1.36E-03	6.45E-03	1.06E-03	7.89E-04
1115	563369.4	4234599	7.97E-03	1.35E-03	6.43E-03	1.05E-03	7.87E-04
1116	563373.5	4234609	7.98E-03	1.35E-03	6.44E-03	1.05E-03	7.88E-04
1117	563343.5	4234541	8.82E-03	1.50E-03	7.12E-03	1.17E-03	8.71E-04
1118	563363.9	4234536	7.38E-03	1.25E-03	5.96E-03	9.76E-04	7.29E-04
1119	563368.1	4234546	7.21E-03	1.22E-03	5.82E-03	9.54E-04	7.12E-04
1120	563372.2	4234556	7.09E-03	1.20E-03	5.73E-03	9.38E-04	7.00E-04
1121	563376.3	4234566	7.01E-03	1.19E-03	5.66E-03	9.27E-04	6.92E-04
1122	563380.5	4234577	6.97E-03	1.18E-03	5.63E-03	9.22E-04	6.88E-04
1123	563384.6	4234587	6.96E-03	1.18E-03	5.62E-03	9.20E-04	6.87E-04
1124	563388.8	4234597	6.97E-03	1.18E-03	5.63E-03	9.22E-04	6.89E-04
1125	563392.9	4234607	7.01E-03	1.19E-03	5.66E-03	9.27E-04	6.92E-04
1126	563358	4234527	7.70E-03	1.31E-03	6.22E-03	1.02E-03	7.61E-04
1127	563378.4	4234522	6.55E-03	1.11E-03	5.29E-03	8.67E-04	6.47E-04
1128	563382.5	4234532	6.39E-03	1.08E-03	5.16E-03	8.46E-04	6.31E-04
1129	563386.6	4234542	6.27E-03	1.06E-03	5.06E-03	8.29E-04	6.19E-04
1130	563390.6	4234552	6.18E-03	1.05E-03	4.99E-03	8.18E-04	6.11E-04
1131	563394.7	4234562	6.14E-03	1.04E-03	4.96E-03	8.12E-04	6.07E-04
1132	563398.8	4234572	6.13E-03	1.04E-03	4.95E-03	8.11E-04	6.06E-04
1133	563402.9	4234582	6.15E-03	1.04E-03	4.97E-03	8.14E-04	6.08E-04
1134	563407	4234592	6.20E-03	1.05E-03	5.01E-03	8.20E-04	6.13E-04
1135	563411.1	4234602	6.28E-03	1.07E-03	5.07E-03	8.30E-04	6.20E-04
1136	563415.2	4234612	6.37E-03	1.08E-03	5.14E-03	8.42E-04	6.29E-04
1137	563372.5	4234513	6.83E-03	1.16E-03	5.52E-03	9.04E-04	6.75E-04
1138	563392.9	4234508	5.90E-03	1.00E-03	4.77E-03	7.81E-04	5.83E-04
1139	563397.1	4234519	5.76E-03	9.77E-04	4.65E-03	7.61E-04	5.69E-04

1140	563401.3	4234529	5.62E-03	9.54E-04	4.54E-03	7.44E-04	5.55E-04
1141	563405.5	4234539	5.54E-03	9.40E-04	4.47E-03	7.32E-04	5.47E-04
1142	563409.7	4234550	5.50E-03	9.33E-04	4.44E-03	7.27E-04	5.43E-04
1143	563413.8	4234560	5.48E-03	9.30E-04	4.42E-03	7.25E-04	5.41E-04
1144	563418	4234570	5.48E-03	9.30E-04	4.42E-03	7.25E-04	5.41E-04
1145	563422.2	4234580	5.52E-03	9.36E-04	4.45E-03	7.30E-04	5.45E-04
1146	563426.4	4234591	5.61E-03	9.52E-04	4.53E-03	7.42E-04	5.54E-04
1147	563430.6	4234601	5.71E-03	9.69E-04	4.61E-03	7.55E-04	5.64E-04
1148	563434.8	4234611	5.80E-03	9.84E-04	4.68E-03	7.67E-04	5.73E-04
1149	563387	4234499	6.15E-03	1.04E-03	4.96E-03	8.13E-04	6.07E-04
1150	563407.4	4234495	5.31E-03	9.01E-04	4.29E-03	7.02E-04	5.24E-04
1151	563411.5	4234505	5.18E-03	8.79E-04	4.18E-03	6.85E-04	5.12E-04
1152	563415.6	4234515	5.08E-03	8.62E-04	4.10E-03	6.72E-04	5.02E-04
1153	563419.8	4234525	5.01E-03	8.50E-04	4.04E-03	6.62E-04	4.95E-04
1154	563423.9	4234535	4.98E-03	8.44E-04	4.02E-03	6.58E-04	4.91E-04
1155	563428.1	4234545	4.98E-03	8.46E-04	4.02E-03	6.59E-04	4.92E-04
1156	563432.2	4234556	4.98E-03	8.45E-04	4.02E-03	6.58E-04	4.92E-04
1157	563436.3	4234566	4.99E-03	8.47E-04	4.03E-03	6.60E-04	4.93E-04
1158	563401.5	4234485	5.53E-03	9.39E-04	4.47E-03	7.32E-04	5.46E-04
1159	563421.8	4234481	4.80E-03	8.15E-04	3.88E-03	6.35E-04	4.74E-04
1160	563425.9	4234491	4.69E-03	7.97E-04	3.79E-03	6.21E-04	4.64E-04
1161	563430	4234501	4.63E-03	7.85E-04	3.74E-03	6.12E-04	4.57E-04
1162	563434.1	4234511	4.60E-03	7.81E-04	3.72E-03	6.09E-04	4.55E-04
1163	563438.2	4234521	4.60E-03	7.80E-04	3.71E-03	6.08E-04	4.54E-04
1164	563442.3	4234531	4.59E-03	7.80E-04	3.71E-03	6.08E-04	4.54E-04
1165	563415.9	4234472	5.00E-03	8.49E-04	4.04E-03	6.62E-04	4.94E-04
1166	563436.3	4234467	4.42E-03	7.49E-04	3.57E-03	5.84E-04	4.36E-04
1167	563440.5	4234477	4.32E-03	7.33E-04	3.49E-03	5.71E-04	4.27E-04
1168	563444.7	4234488	4.25E-03	7.22E-04	3.43E-03	5.62E-04	4.20E-04
1169	563486.5	4234590	4.51E-03	7.65E-04	3.64E-03	5.97E-04	4.45E-04
1170	563490.6	4234600	4.56E-03	7.74E-04	3.68E-03	6.03E-04	4.50E-04
1171	563494.8	4234611	4.64E-03	7.86E-04	3.74E-03	6.13E-04	4.58E-04
1172	563499	4234621	4.74E-03	8.04E-04	3.82E-03	6.26E-04	4.68E-04
1173	563430.4	4234458	4.58E-03	7.77E-04	3.70E-03	6.05E-04	4.52E-04
1174	563488.1	4234545	4.28E-03	7.26E-04	3.45E-03	5.66E-04	4.22E-04
1175	563492.2	4234555	4.26E-03	7.23E-04	3.44E-03	5.63E-04	4.21E-04
1176	563496.3	4234565	4.25E-03	7.21E-04	3.43E-03	5.62E-04	4.20E-04
1177	563500.5	4234575	4.26E-03	7.23E-04	3.44E-03	5.63E-04	4.21E-04
1178	563504.6	4234585	4.30E-03	7.30E-04	3.47E-03	5.69E-04	4.25E-04
1179	563508.7	4234595	4.35E-03	7.38E-04	3.51E-03	5.75E-04	4.29E-04
1180	563512.9	4234606	4.39E-03	7.44E-04	3.54E-03	5.80E-04	4.33E-04
1181	563517	4234616	4.46E-03	7.57E-04	3.60E-03	5.90E-04	4.41E-04
1182	563521.2	4234626	4.53E-03	7.69E-04	3.66E-03	5.99E-04	4.48E-04
1183	563444.9	4234444	4.24E-03	7.20E-04	3.43E-03	5.61E-04	4.19E-04
1184	563496.5	4234467	3.30E-03	5.60E-04	2.67E-03	4.37E-04	3.26E-04
1185	563500.6	4234477	3.37E-03	5.73E-04	2.72E-03	4.46E-04	3.33E-04
1186	563504.8	4234487	3.47E-03	5.88E-04	2.80E-03	4.59E-04	3.42E-04
1187	563525.6	4234538	3.76E-03	6.38E-04	3.04E-03	4.98E-04	3.72E-04
1188	563529.8	4234549	3.87E-03	6.56E-04	3.12E-03	5.11E-04	3.82E-04
1189	563534	4234559	3.92E-03	6.66E-04	3.17E-03	5.19E-04	3.88E-04
1190	563538.2	4234569	3.98E-03	6.75E-04	3.21E-03	5.26E-04	3.93E-04
1191	563542.3	4234579	4.02E-03	6.83E-04	3.25E-03	5.32E-04	3.97E-04

1192	563546.5	4234589	4.07E-03	6.91E-04	3.29E-03	5.39E-04	4.02E-04
1193	563550.7	4234600	4.13E-03	7.01E-04	3.33E-03	5.46E-04	4.08E-04
1194	563554.8	4234610	4.20E-03	7.12E-04	3.39E-03	5.55E-04	4.14E-04
1195	563559	4234620	4.25E-03	7.22E-04	3.43E-03	5.62E-04	4.20E-04
1196	563508.7	4234398	3.01E-03	5.11E-04	2.43E-03	3.98E-04	2.97E-04
1197	563512.8	4234408	2.93E-03	4.97E-04	2.37E-03	3.87E-04	2.89E-04
1198	563516.9	4234418	2.87E-03	4.87E-04	2.32E-03	3.80E-04	2.84E-04
1199	563521	4234428	2.83E-03	4.80E-04	2.29E-03	3.74E-04	2.80E-04
1200	563525.2	4234438	2.81E-03	4.76E-04	2.26E-03	3.71E-04	2.77E-04
1201	563529.3	4234448	2.80E-03	4.74E-04	2.26E-03	3.70E-04	2.76E-04
1202	563533.4	4234459	2.81E-03	4.78E-04	2.27E-03	3.72E-04	2.78E-04
1203	563537.5	4234469	2.88E-03	4.89E-04	2.33E-03	3.81E-04	2.84E-04
1204	563541.6	4234479	2.96E-03	5.01E-04	2.39E-03	3.91E-04	2.92E-04
1205	563545.7	4234489	3.03E-03	5.14E-04	2.44E-03	4.00E-04	2.99E-04
1206	563566.3	4234539	3.43E-03	5.82E-04	2.77E-03	4.53E-04	3.39E-04
1207	563570.4	4234549	3.51E-03	5.95E-04	2.83E-03	4.64E-04	3.46E-04
1208	563574.5	4234560	3.58E-03	6.08E-04	2.89E-03	4.74E-04	3.54E-04
1209	563578.6	4234570	3.66E-03	6.20E-04	2.95E-03	4.83E-04	3.61E-04
1210	563582.7	4234580	3.72E-03	6.32E-04	3.01E-03	4.93E-04	3.68E-04
1211	563586.8	4234590	3.78E-03	6.42E-04	3.06E-03	5.00E-04	3.74E-04
1212	563590.9	4234600	3.83E-03	6.50E-04	3.09E-03	5.06E-04	3.78E-04
1213	563595.1	4234610	3.87E-03	6.56E-04	3.12E-03	5.11E-04	3.82E-04
1214	563599.2	4234620	3.90E-03	6.62E-04	3.15E-03	5.16E-04	3.85E-04
1215	563502.8	4234389	3.13E-03	5.31E-04	2.53E-03	4.14E-04	3.09E-04
1216	563537.7	4234370	2.77E-03	4.71E-04	2.24E-03	3.67E-04	2.74E-04
1217	563541.8	4234381	2.69E-03	4.56E-04	2.17E-03	3.56E-04	2.66E-04
1218	563546	4234391	2.61E-03	4.43E-04	2.11E-03	3.46E-04	2.58E-04
1219	563550.1	4234401	2.57E-03	4.36E-04	2.07E-03	3.40E-04	2.54E-04
1220	563554.2	4234411	2.54E-03	4.31E-04	2.05E-03	3.36E-04	2.51E-04
1221	563558.4	4234421	2.52E-03	4.28E-04	2.03E-03	3.33E-04	2.49E-04
1222	563562.5	4234431	2.50E-03	4.25E-04	2.02E-03	3.31E-04	2.47E-04
1223	563566.7	4234442	2.50E-03	4.23E-04	2.01E-03	3.30E-04	2.46E-04
1224	563570.8	4234452	2.49E-03	4.23E-04	2.01E-03	3.30E-04	2.46E-04
1225	563574.9	4234462	2.53E-03	4.30E-04	2.04E-03	3.35E-04	2.50E-04
1226	563579.1	4234472	2.60E-03	4.41E-04	2.10E-03	3.44E-04	2.57E-04
1227	563583.2	4234482	2.66E-03	4.52E-04	2.15E-03	3.52E-04	2.63E-04
1228	563603.9	4234533	3.08E-03	5.23E-04	2.49E-03	4.08E-04	3.05E-04
1229	563608	4234543	3.16E-03	5.36E-04	2.55E-03	4.17E-04	3.12E-04
1230	563612.2	4234553	3.22E-03	5.47E-04	2.60E-03	4.26E-04	3.18E-04
1231	563616.3	4234564	3.28E-03	5.57E-04	2.65E-03	4.34E-04	3.24E-04
1232	563620.5	4234574	3.34E-03	5.66E-04	2.69E-03	4.41E-04	3.30E-04
1233	563624.6	4234584	3.38E-03	5.74E-04	2.73E-03	4.47E-04	3.34E-04
1234	563628.7	4234594	3.42E-03	5.80E-04	2.76E-03	4.52E-04	3.38E-04
1235	563632.9	4234604	3.45E-03	5.85E-04	2.78E-03	4.56E-04	3.41E-04
1236	563637	4234614	3.47E-03	5.89E-04	2.80E-03	4.59E-04	3.43E-04
1237	563641.2	4234625	3.48E-03	5.90E-04	2.81E-03	4.60E-04	3.43E-04
1238	563531.8	4234361	2.85E-03	4.84E-04	2.30E-03	3.77E-04	2.82E-04
1239	563566.7	4234343	2.58E-03	4.37E-04	2.08E-03	3.41E-04	2.54E-04
1240	563570.8	4234353	2.50E-03	4.24E-04	2.02E-03	3.30E-04	2.47E-04
1241	563575	4234363	2.43E-03	4.12E-04	1.96E-03	3.21E-04	2.40E-04
1242	563579.1	4234374	2.37E-03	4.02E-04	1.91E-03	3.13E-04	2.34E-04
1243	563583.3	4234384	2.32E-03	3.94E-04	1.88E-03	3.07E-04	2.29E-04

1244	563587.5	4234394	2.29E-03	3.88E-04	1.85E-03	3.03E-04	2.26E-04
1245	563591.6	4234404	2.27E-03	3.85E-04	1.83E-03	3.00E-04	2.24E-04
1246	563595.8	4234414	2.27E-03	3.85E-04	1.83E-03	3.00E-04	2.24E-04
1247	563600	4234425	2.28E-03	3.87E-04	1.84E-03	3.01E-04	2.25E-04
1248	563604.1	4234435	2.30E-03	3.90E-04	1.86E-03	3.04E-04	2.27E-04
1249	563608.3	4234445	2.32E-03	3.94E-04	1.87E-03	3.07E-04	2.29E-04
1250	563612.4	4234455	2.34E-03	3.97E-04	1.89E-03	3.10E-04	2.31E-04
1251	563616.6	4234465	2.38E-03	4.03E-04	1.92E-03	3.14E-04	2.35E-04
1252	563620.8	4234476	2.43E-03	4.12E-04	1.96E-03	3.21E-04	2.40E-04
1253	563624.9	4234486	2.49E-03	4.22E-04	2.01E-03	3.29E-04	2.45E-04
1254	563645.7	4234537	2.87E-03	4.87E-04	2.32E-03	3.80E-04	2.83E-04
1255	563649.9	4234547	2.93E-03	4.97E-04	2.36E-03	3.87E-04	2.89E-04
1256	563654	4234557	2.98E-03	5.06E-04	2.41E-03	3.94E-04	2.94E-04
1257	563658.2	4234568	3.03E-03	5.14E-04	2.45E-03	4.01E-04	2.99E-04
1258	563662.4	4234578	3.08E-03	5.22E-04	2.48E-03	4.07E-04	3.04E-04
1259	563666.5	4234588	3.11E-03	5.27E-04	2.51E-03	4.11E-04	3.07E-04
1260	563670.7	4234598	3.12E-03	5.30E-04	2.52E-03	4.13E-04	3.08E-04
1261	563674.9	4234609	3.13E-03	5.31E-04	2.53E-03	4.14E-04	3.09E-04
1262	563679	4234619	3.13E-03	5.31E-04	2.53E-03	4.14E-04	3.09E-04
1263	563560.7	4234334	2.67E-03	4.53E-04	2.16E-03	3.53E-04	2.64E-04
1264	563595.6	4234315	2.28E-03	3.88E-04	1.84E-03	3.02E-04	2.26E-04
1265	563599.8	4234326	2.21E-03	3.76E-04	1.79E-03	2.93E-04	2.19E-04
1266	563604	4234336	2.15E-03	3.65E-04	1.74E-03	2.85E-04	2.13E-04
1267	563608.2	4234346	2.10E-03	3.56E-04	1.69E-03	2.77E-04	2.07E-04
1268	563612.4	4234356	2.05E-03	3.48E-04	1.66E-03	2.71E-04	2.03E-04
1269	563616.5	4234367	2.02E-03	3.42E-04	1.63E-03	2.67E-04	1.99E-04
1270	563620.7	4234377	2.00E-03	3.39E-04	1.61E-03	2.64E-04	1.97E-04
1271	563624.9	4234387	1.99E-03	3.37E-04	1.60E-03	2.63E-04	1.96E-04
1272	563629.1	4234397	1.99E-03	3.38E-04	1.61E-03	2.63E-04	1.97E-04
1273	563633.3	4234408	2.01E-03	3.41E-04	1.62E-03	2.66E-04	1.99E-04
1274	563637.4	4234418	2.04E-03	3.46E-04	1.65E-03	2.70E-04	2.01E-04
1275	563641.6	4234428	2.08E-03	3.52E-04	1.68E-03	2.75E-04	2.05E-04
1276	563645.8	4234438	2.12E-03	3.60E-04	1.71E-03	2.80E-04	2.09E-04
1277	563650	4234449	2.17E-03	3.68E-04	1.75E-03	2.87E-04	2.14E-04
1278	563654.2	4234459	2.23E-03	3.78E-04	1.80E-03	2.94E-04	2.20E-04
1279	563658.3	4234469	2.28E-03	3.86E-04	1.84E-03	3.01E-04	2.25E-04
1280	563662.5	4234480	2.32E-03	3.94E-04	1.87E-03	3.07E-04	2.29E-04
1281	563687.6	4234541	2.68E-03	4.54E-04	2.16E-03	3.54E-04	2.65E-04
1282	563691.8	4234551	2.72E-03	4.62E-04	2.20E-03	3.60E-04	2.69E-04
1283	563696	4234562	2.77E-03	4.69E-04	2.23E-03	3.66E-04	2.73E-04
1284	563700.1	4234572	2.80E-03	4.75E-04	2.26E-03	3.71E-04	2.77E-04
1285	563704.3	4234582	2.83E-03	4.80E-04	2.28E-03	3.74E-04	2.79E-04
1286	563708.5	4234592	2.83E-03	4.81E-04	2.29E-03	3.75E-04	2.80E-04
1287	563712.7	4234603	2.82E-03	4.79E-04	2.28E-03	3.73E-04	2.79E-04
1288	563589.7	4234306	2.37E-03	4.03E-04	1.92E-03	3.14E-04	2.34E-04
1289	563624.6	4234288	2.04E-03	3.46E-04	1.65E-03	2.70E-04	2.02E-04
1290	563628.7	4234298	1.98E-03	3.36E-04	1.60E-03	2.62E-04	1.96E-04
1291	563632.8	4234308	1.93E-03	3.27E-04	1.55E-03	2.55E-04	1.90E-04
1292	563637	4234318	1.88E-03	3.19E-04	1.52E-03	2.48E-04	1.85E-04
1293	563641.1	4234328	1.84E-03	3.12E-04	1.48E-03	2.43E-04	1.81E-04
1294	563645.3	4234338	1.80E-03	3.06E-04	1.46E-03	2.38E-04	1.78E-04
1295	563649.4	4234349	1.78E-03	3.01E-04	1.43E-03	2.35E-04	1.75E-04

1296	563653.5	4234359	1.76E-03	2.98E-04	1.42E-03	2.33E-04	1.74E-04
1297	563657.7	4234369	1.75E-03	2.97E-04	1.41E-03	2.32E-04	1.73E-04
1298	563661.8	4234379	1.76E-03	2.98E-04	1.42E-03	2.32E-04	1.73E-04
1299	563666	4234389	1.77E-03	3.00E-04	1.43E-03	2.34E-04	1.75E-04
1300	563670.1	4234399	1.79E-03	3.04E-04	1.45E-03	2.37E-04	1.77E-04
1301	563674.2	4234410	1.83E-03	3.10E-04	1.48E-03	2.42E-04	1.81E-04
1302	563678.4	4234420	1.87E-03	3.18E-04	1.51E-03	2.48E-04	1.85E-04
1303	563682.5	4234430	1.92E-03	3.26E-04	1.55E-03	2.54E-04	1.90E-04
1304	563686.7	4234440	1.98E-03	3.35E-04	1.59E-03	2.61E-04	1.95E-04
1305	563690.8	4234450	2.03E-03	3.45E-04	1.64E-03	2.69E-04	2.01E-04
1306	563694.9	4234460	2.09E-03	3.54E-04	1.69E-03	2.76E-04	2.06E-04
1307	563699.1	4234471	2.15E-03	3.64E-04	1.73E-03	2.84E-04	2.12E-04
1308	563703.2	4234481	2.20E-03	3.74E-04	1.78E-03	2.91E-04	2.18E-04
1309	563618.7	4234279	2.12E-03	3.60E-04	1.72E-03	2.81E-04	2.10E-04
1310	563653.5	4234260	1.82E-03	3.09E-04	1.47E-03	2.41E-04	1.80E-04
1311	563657.7	4234270	1.76E-03	2.99E-04	1.42E-03	2.33E-04	1.74E-04
1312	563661.9	4234281	1.71E-03	2.90E-04	1.38E-03	2.26E-04	1.69E-04
1313	563666	4234291	1.66E-03	2.82E-04	1.34E-03	2.20E-04	1.64E-04
1314	563670.2	4234301	1.62E-03	2.76E-04	1.31E-03	2.15E-04	1.60E-04
1315	563674.3	4234311	1.59E-03	2.70E-04	1.29E-03	2.11E-04	1.57E-04
1316	563678.5	4234321	1.56E-03	2.65E-04	1.26E-03	2.07E-04	1.54E-04
1317	563682.6	4234332	1.54E-03	2.61E-04	1.24E-03	2.03E-04	1.52E-04
1318	563686.8	4234342	1.52E-03	2.58E-04	1.23E-03	2.01E-04	1.50E-04
1319	563690.9	4234352	1.52E-03	2.57E-04	1.22E-03	2.01E-04	1.50E-04
1320	563695.1	4234362	1.52E-03	2.58E-04	1.23E-03	2.01E-04	1.50E-04
1321	563647.6	4234251	1.90E-03	3.22E-04	1.53E-03	2.51E-04	1.87E-04
1322	563682.5	4234233	1.62E-03	2.75E-04	1.31E-03	2.15E-04	1.60E-04
1323	563686.7	4234243	1.57E-03	2.66E-04	1.27E-03	2.08E-04	1.55E-04
1324	563782.6	4234478	1.85E-03	3.14E-04	1.49E-03	2.45E-04	1.83E-04
1325	563786.8	4234489	1.89E-03	3.21E-04	1.53E-03	2.50E-04	1.87E-04
1326	563791	4234499	1.93E-03	3.28E-04	1.56E-03	2.56E-04	1.91E-04
1327	563795.2	4234509	1.97E-03	3.35E-04	1.59E-03	2.61E-04	1.95E-04
1328	563799.3	4234519	2.01E-03	3.41E-04	1.62E-03	2.66E-04	1.98E-04
1329	563803.5	4234530	2.04E-03	3.46E-04	1.65E-03	2.70E-04	2.01E-04
1330	563807.7	4234540	2.07E-03	3.51E-04	1.67E-03	2.74E-04	2.04E-04
1331	563811.9	4234550	2.09E-03	3.55E-04	1.69E-03	2.77E-04	2.07E-04
1332	563816	4234560	2.10E-03	3.57E-04	1.70E-03	2.78E-04	2.08E-04
1333	563820.2	4234571	2.11E-03	3.58E-04	1.71E-03	2.79E-04	2.09E-04
1334	563676.6	4234223	1.69E-03	2.87E-04	1.37E-03	2.24E-04	1.67E-04
1335	563757.5	4234318	9.88E-04	1.68E-04	7.98E-04	1.31E-04	9.76E-05
1336	563761.7	4234328	9.58E-04	1.63E-04	7.74E-04	1.27E-04	9.46E-05
1337	563765.9	4234339	9.28E-04	1.58E-04	7.50E-04	1.23E-04	9.17E-05
1338	563770.1	4234349	9.21E-04	1.56E-04	7.44E-04	1.22E-04	9.10E-05
1339	563774.3	4234359	9.25E-04	1.57E-04	7.47E-04	1.22E-04	9.14E-05
1340	563778.5	4234369	9.40E-04	1.60E-04	7.59E-04	1.24E-04	9.29E-05
1341	563782.6	4234380	9.65E-04	1.64E-04	7.79E-04	1.28E-04	9.53E-05
1342	563786.8	4234390	9.91E-04	1.68E-04	8.00E-04	1.31E-04	9.79E-05
1343	563791	4234400	1.03E-03	1.75E-04	8.34E-04	1.37E-04	1.02E-04
1344	563795.2	4234411	1.09E-03	1.85E-04	8.81E-04	1.44E-04	1.08E-04
1345	563799.4	4234421	1.15E-03	1.96E-04	9.31E-04	1.52E-04	1.14E-04
1346	563803.6	4234431	1.22E-03	2.07E-04	9.86E-04	1.61E-04	1.21E-04
1347	563807.8	4234441	1.31E-03	2.22E-04	1.06E-03	1.73E-04	1.29E-04

1348	563811.9	4234452	1.42E-03	2.40E-04	1.14E-03	1.87E-04	1.40E-04
1349	563816.1	4234462	1.48E-03	2.51E-04	1.19E-03	1.96E-04	1.46E-04
1350	563820.3	4234472	1.52E-03	2.57E-04	1.23E-03	2.01E-04	1.50E-04
1351	563824.5	4234483	1.58E-03	2.68E-04	1.28E-03	2.09E-04	1.56E-04
1352	563828.7	4234493	1.64E-03	2.78E-04	1.32E-03	2.17E-04	1.62E-04
1353	563832.9	4234503	1.68E-03	2.85E-04	1.36E-03	2.22E-04	1.66E-04
1354	563837.1	4234513	1.72E-03	2.91E-04	1.39E-03	2.27E-04	1.70E-04
1355	563841.2	4234524	1.75E-03	2.98E-04	1.42E-03	2.32E-04	1.73E-04
1356	563845.4	4234534	1.86E-03	3.16E-04	1.50E-03	2.46E-04	1.84E-04
1357	563849.6	4234544	1.88E-03	3.20E-04	1.52E-03	2.49E-04	1.86E-04
1358	563853.8	4234554	1.90E-03	3.23E-04	1.54E-03	2.52E-04	1.88E-04
1359	563858	4234565	1.92E-03	3.25E-04	1.55E-03	2.54E-04	1.89E-04
1360	563862.2	4234575	1.93E-03	3.27E-04	1.56E-03	2.55E-04	1.90E-04
1361	563866.4	4234585	1.93E-03	3.27E-04	1.56E-03	2.55E-04	1.90E-04
1362	563761.2	4234228	9.76E-04	1.66E-04	7.88E-04	1.29E-04	9.63E-05
1363	563765.3	4234239	9.22E-04	1.56E-04	7.44E-04	1.22E-04	9.10E-05
1364	563769.5	4234249	8.73E-04	1.48E-04	7.05E-04	1.15E-04	8.62E-05
1365	563773.6	4234259	8.32E-04	1.41E-04	6.72E-04	1.10E-04	8.22E-05
1366	563777.8	4234269	7.88E-04	1.34E-04	6.36E-04	1.04E-04	7.78E-05
1367	563782	4234279	7.49E-04	1.27E-04	6.05E-04	9.91E-05	7.40E-05
1368	563786.1	4234290	7.09E-04	1.20E-04	5.72E-04	9.37E-05	7.00E-05
1369	563790.3	4234300	6.62E-04	1.12E-04	5.35E-04	8.76E-05	6.54E-05
1370	563794.4	4234310	6.26E-04	1.06E-04	5.05E-04	8.28E-05	6.18E-05
1371	563798.6	4234320	6.05E-04	1.03E-04	4.89E-04	8.01E-05	5.98E-05
1372	563802.7	4234330	6.00E-04	1.02E-04	4.84E-04	7.94E-05	5.93E-05
1373	563806.9	4234341	6.06E-04	1.03E-04	4.89E-04	8.01E-05	5.99E-05
1374	563811	4234351	6.14E-04	1.04E-04	4.96E-04	8.12E-05	6.07E-05
1375	563815.2	4234361	6.16E-04	1.05E-04	4.98E-04	8.15E-05	6.09E-05
1376	563819.3	4234371	6.20E-04	1.05E-04	5.01E-04	8.20E-05	6.13E-05
1377	563823.5	4234381	6.43E-04	1.09E-04	5.19E-04	8.50E-05	6.35E-05
1378	563827.6	4234392	6.79E-04	1.15E-04	5.48E-04	8.98E-05	6.71E-05
1379	563831.8	4234402	7.16E-04	1.21E-04	5.78E-04	9.47E-05	7.07E-05
1380	563836	4234412	7.42E-04	1.26E-04	5.99E-04	9.81E-05	7.32E-05
1381	563840.1	4234422	7.66E-04	1.30E-04	6.18E-04	1.01E-04	7.56E-05
1382	563844.3	4234432	8.02E-04	1.36E-04	6.47E-04	1.06E-04	7.92E-05
1383	563848.4	4234442	8.47E-04	1.44E-04	6.84E-04	1.12E-04	8.37E-05
1384	563852.6	4234453	8.93E-04	1.51E-04	7.21E-04	1.18E-04	8.82E-05
1385	563856.7	4234463	9.67E-04	1.64E-04	7.81E-04	1.28E-04	9.55E-05
1386	563860.9	4234473	1.07E-03	1.82E-04	8.65E-04	1.42E-04	1.06E-04
1387	563865	4234483	1.20E-03	2.03E-04	9.67E-04	1.58E-04	1.18E-04
1388	563869.2	4234493	1.29E-03	2.18E-04	1.04E-03	1.70E-04	1.27E-04
1389	563873.3	4234504	1.37E-03	2.33E-04	1.11E-03	1.81E-04	1.35E-04
1390	563877.5	4234514	1.45E-03	2.46E-04	1.17E-03	1.92E-04	1.43E-04
1391	563881.6	4234524	1.47E-03	2.50E-04	1.19E-03	1.95E-04	1.46E-04
1392	563885.8	4234534	1.49E-03	2.53E-04	1.20E-03	1.97E-04	1.47E-04
1393	563889.9	4234544	1.51E-03	2.57E-04	1.22E-03	2.00E-04	1.50E-04
1394	563894.1	4234555	1.54E-03	2.62E-04	1.25E-03	2.04E-04	1.53E-04
1395	563898.3	4234565	1.58E-03	2.68E-04	1.28E-03	2.09E-04	1.56E-04
1396	563902.4	4234575	1.62E-03	2.75E-04	1.31E-03	2.15E-04	1.60E-04
1397	563906.6	4234585	1.74E-03	2.95E-04	1.41E-03	2.30E-04	1.72E-04
1398	563910.7	4234595	1.75E-03	2.98E-04	1.42E-03	2.32E-04	1.73E-04
1399	563914.9	4234606	1.76E-03	2.99E-04	1.42E-03	2.33E-04	1.74E-04

1400	563919	4234616	1.74E-03	2.95E-04	1.41E-03	2.30E-04	1.72E-04
1401	563923.2	4234626	1.71E-03	2.91E-04	1.38E-03	2.27E-04	1.69E-04
1402	563260.6	4234600	2.63E-02	4.47E-03	2.13E-02	3.48E-03	2.60E-03
1403	563266.7	4234592	2.35E-02	3.98E-03	1.90E-02	3.11E-03	2.32E-03
1404	563257.6	4234585	2.64E-02	4.47E-03	2.13E-02	3.49E-03	2.60E-03
1405	563272.8	4234584	2.11E-02	3.59E-03	1.71E-02	2.80E-03	2.09E-03
1406	563263.1	4234577	2.38E-02	4.04E-03	1.92E-02	3.14E-03	2.35E-03
1407	563277.6	4234575	1.95E-02	3.30E-03	1.57E-02	2.57E-03	1.92E-03
1408	563285.2	4234582	1.78E-02	3.03E-03	1.44E-02	2.36E-03	1.76E-03
1409	563268.7	4234569	2.16E-02	3.67E-03	1.75E-02	2.86E-03	2.13E-03
1410	563283.6	4234567	1.77E-02	3.01E-03	1.43E-02	2.34E-03	1.75E-03
1411	563292.1	4234574	1.62E-02	2.75E-03	1.31E-02	2.14E-03	1.60E-03
1412	563274.2	4234560	1.98E-02	3.36E-03	1.60E-02	2.62E-03	1.95E-03
1413	563294.5	4234551	1.50E-02	2.55E-03	1.21E-02	1.99E-03	1.48E-03
1414	563302.6	4234557	1.38E-02	2.34E-03	1.11E-02	1.83E-03	1.36E-03
1415	563285.3	4234544	1.66E-02	2.82E-03	1.34E-02	2.20E-03	1.64E-03
1416	563306.3	4234535	1.28E-02	2.17E-03	1.03E-02	1.69E-03	1.26E-03
1417	563315.8	4234543	1.16E-02	1.97E-03	9.40E-03	1.54E-03	1.15E-03
1418	563296.4	4234527	1.41E-02	2.40E-03	1.14E-02	1.87E-03	1.40E-03
1419	563317.2	4234518	1.12E-02	1.90E-03	9.05E-03	1.48E-03	1.11E-03
1420	563326.2	4234525	1.03E-02	1.75E-03	8.32E-03	1.36E-03	1.02E-03
1421	563335.2	4234533	9.47E-03	1.61E-03	7.65E-03	1.25E-03	9.36E-04
1422	563307.5	4234510	1.23E-02	2.09E-03	9.93E-03	1.63E-03	1.21E-03
1423	563328.1	4234501	1.00E-02	1.70E-03	8.08E-03	1.32E-03	9.89E-04
1424	563336.8	4234508	9.25E-03	1.57E-03	7.47E-03	1.22E-03	9.14E-04
1425	563345.5	4234516	8.56E-03	1.45E-03	6.91E-03	1.13E-03	8.45E-04
1426	563318.6	4234494	1.09E-02	1.85E-03	8.82E-03	1.44E-03	1.08E-03
1427	563339.1	4234484	9.05E-03	1.54E-03	7.31E-03	1.20E-03	8.94E-04
1428	563347.6	4234491	8.43E-03	1.43E-03	6.81E-03	1.11E-03	8.32E-04
1429	563356	4234498	7.84E-03	1.33E-03	6.33E-03	1.04E-03	7.74E-04
1430	563364.5	4234506	7.29E-03	1.24E-03	5.89E-03	9.64E-04	7.20E-04
1431	563329.7	4234477	9.79E-03	1.66E-03	7.91E-03	1.30E-03	9.67E-04
1432	563350.6	4234468	8.24E-03	1.40E-03	6.66E-03	1.09E-03	8.14E-04
1433	563359.9	4234476	7.67E-03	1.30E-03	6.19E-03	1.01E-03	7.57E-04
1434	563369.2	4234484	7.10E-03	1.21E-03	5.74E-03	9.40E-04	7.02E-04
1435	563378.5	4234491	6.57E-03	1.11E-03	5.30E-03	8.69E-04	6.49E-04
1436	563340.8	4234461	8.89E-03	1.51E-03	7.18E-03	1.18E-03	8.78E-04
1437	563361.6	4234451	7.60E-03	1.29E-03	6.14E-03	1.01E-03	7.51E-04
1438	563370.6	4234459	7.07E-03	1.20E-03	5.71E-03	9.36E-04	6.99E-04
1439	563379.6	4234466	6.57E-03	1.11E-03	5.30E-03	8.69E-04	6.49E-04
1440	563388.6	4234474	6.11E-03	1.04E-03	4.93E-03	8.08E-04	6.03E-04
1441	563351.9	4234444	8.19E-03	1.39E-03	6.61E-03	1.08E-03	8.08E-04
1442	563372.6	4234434	7.01E-03	1.19E-03	5.66E-03	9.27E-04	6.93E-04
1443	563381.4	4234442	6.54E-03	1.11E-03	5.28E-03	8.65E-04	6.46E-04
1444	563390.2	4234449	6.10E-03	1.04E-03	4.93E-03	8.07E-04	6.03E-04
1445	563398.9	4234457	5.69E-03	9.66E-04	4.59E-03	7.53E-04	5.62E-04
1446	563407.7	4234464	5.32E-03	9.02E-04	4.29E-03	7.03E-04	5.25E-04
1447	563363	4234427	7.55E-03	1.28E-03	6.09E-03	9.98E-04	7.45E-04
1448	563384	4234418	6.47E-03	1.10E-03	5.22E-03	8.56E-04	6.39E-04
1449	563393.5	4234426	6.02E-03	1.02E-03	4.86E-03	7.96E-04	5.95E-04
1450	563402.9	4234434	5.60E-03	9.49E-04	4.52E-03	7.40E-04	5.53E-04
1451	563412.4	4234442	5.20E-03	8.83E-04	4.20E-03	6.88E-04	5.14E-04

1452	563421.9	4234450	4.84E-03	8.22E-04	3.91E-03	6.41E-04	4.78E-04
1453	563374.1	4234411	6.96E-03	1.18E-03	5.62E-03	9.20E-04	6.87E-04
1454	563395	4234401	6.02E-03	1.02E-03	4.86E-03	7.96E-04	5.94E-04
1455	563404.2	4234409	5.62E-03	9.54E-04	4.54E-03	7.44E-04	5.55E-04
1456	563413.4	4234417	5.25E-03	8.90E-04	4.24E-03	6.94E-04	5.18E-04
1457	563422.6	4234425	4.90E-03	8.31E-04	3.95E-03	6.47E-04	4.84E-04
1458	563431.9	4234432	4.60E-03	7.81E-04	3.72E-03	6.09E-04	4.54E-04
1459	563385.2	4234394	6.45E-03	1.09E-03	5.21E-03	8.53E-04	6.37E-04
1460	563417	4234368	5.26E-03	8.93E-04	4.25E-03	6.96E-04	5.20E-04
1461	563425.9	4234375	4.95E-03	8.40E-04	4.00E-03	6.55E-04	4.89E-04
1462	563434.7	4234383	4.65E-03	7.90E-04	3.76E-03	6.16E-04	4.60E-04
1463	563443.5	4234390	4.37E-03	7.42E-04	3.53E-03	5.78E-04	4.32E-04
1464	563407.4	4234361	5.63E-03	9.55E-04	4.54E-03	7.44E-04	5.56E-04
1465	563439.4	4234335	4.79E-03	8.12E-04	3.87E-03	6.33E-04	4.73E-04
1466	563494.4	4234381	3.31E-03	5.61E-04	2.67E-03	4.37E-04	3.27E-04
1467	563429.6	4234327	5.08E-03	8.62E-04	4.10E-03	6.72E-04	5.02E-04
1468	563499.6	4234333	3.37E-03	5.71E-04	2.72E-03	4.45E-04	3.33E-04
1469	563509	4234341	3.16E-03	5.37E-04	2.55E-03	4.18E-04	3.12E-04
1470	563518.5	4234349	3.00E-03	5.10E-04	2.43E-03	3.97E-04	2.97E-04
1471	563492.9	4234276	3.66E-03	6.22E-04	2.96E-03	4.85E-04	3.62E-04
1472	563502.1	4234284	3.47E-03	5.90E-04	2.81E-03	4.60E-04	3.43E-04
1473	563511.2	4234291	3.29E-03	5.58E-04	2.66E-03	4.35E-04	3.25E-04
1474	563520.3	4234299	3.13E-03	5.31E-04	2.53E-03	4.14E-04	3.09E-04
1475	563529.5	4234307	2.99E-03	5.07E-04	2.41E-03	3.95E-04	2.95E-04
1476	563538.6	4234314	2.87E-03	4.87E-04	2.32E-03	3.80E-04	2.84E-04
1477	563547.8	4234322	2.78E-03	4.72E-04	2.25E-03	3.68E-04	2.75E-04
1478	563506.1	4234235	3.49E-03	5.92E-04	2.82E-03	4.61E-04	3.44E-04
1479	563515.5	4234243	3.34E-03	5.66E-04	2.69E-03	4.41E-04	3.30E-04
1480	563524.9	4234251	3.20E-03	5.44E-04	2.59E-03	4.24E-04	3.16E-04
1481	563534.3	4234259	3.07E-03	5.21E-04	2.48E-03	4.06E-04	3.04E-04
1482	563543.6	4234267	2.94E-03	4.99E-04	2.38E-03	3.89E-04	2.91E-04
1483	563553	4234275	2.82E-03	4.78E-04	2.27E-03	3.72E-04	2.78E-04
1484	563562.4	4234282	2.69E-03	4.57E-04	2.17E-03	3.56E-04	2.66E-04
1485	563571.8	4234290	2.58E-03	4.38E-04	2.08E-03	3.41E-04	2.55E-04
1486	563581.2	4234298	2.47E-03	4.19E-04	1.99E-03	3.27E-04	2.44E-04
1487	563496.2	4234228	3.63E-03	6.16E-04	2.93E-03	4.80E-04	3.58E-04
1488	563528.2	4234202	3.25E-03	5.51E-04	2.62E-03	4.30E-04	3.21E-04
1489	563537.3	4234209	3.15E-03	5.34E-04	2.54E-03	4.16E-04	3.11E-04
1490	563546.4	4234217	3.04E-03	5.16E-04	2.45E-03	4.02E-04	3.00E-04
1491	563555.5	4234225	2.94E-03	4.98E-04	2.37E-03	3.88E-04	2.90E-04
1492	563564.7	4234232	2.83E-03	4.80E-04	2.28E-03	3.74E-04	2.79E-04
1493	563573.8	4234240	2.72E-03	4.62E-04	2.20E-03	3.60E-04	2.69E-04
1494	563582.9	4234248	2.62E-03	4.45E-04	2.12E-03	3.47E-04	2.59E-04
1495	563592	4234255	2.52E-03	4.27E-04	2.03E-03	3.33E-04	2.49E-04
1496	563601.2	4234263	2.38E-03	4.03E-04	1.92E-03	3.14E-04	2.35E-04
1497	563610.3	4234271	2.24E-03	3.81E-04	1.81E-03	2.97E-04	2.21E-04
1498	563518.4	4234194	3.36E-03	5.70E-04	2.71E-03	4.44E-04	3.32E-04
1499	563550.5	4234169	3.07E-03	5.21E-04	2.48E-03	4.06E-04	3.03E-04
1500	563559.8	4234176	2.99E-03	5.07E-04	2.41E-03	3.95E-04	2.95E-04
1501	563569.1	4234184	2.90E-03	4.92E-04	2.34E-03	3.84E-04	2.87E-04
1502	563578.5	4234192	2.81E-03	4.78E-04	2.27E-03	3.72E-04	2.78E-04
1503	563587.8	4234200	2.73E-03	4.63E-04	2.20E-03	3.60E-04	2.69E-04

1504	563597.1	4234208	2.61E-03	4.42E-04	2.10E-03	3.45E-04	2.57E-04
1505	563606.5	4234216	2.47E-03	4.19E-04	1.99E-03	3.26E-04	2.44E-04
1506	563615.8	4234223	2.33E-03	3.96E-04	1.88E-03	3.08E-04	2.30E-04
1507	563625.1	4234231	2.20E-03	3.73E-04	1.78E-03	2.91E-04	2.17E-04
1508	563634.5	4234239	2.07E-03	3.51E-04	1.67E-03	2.74E-04	2.04E-04
1509	563540.6	4234161	3.16E-03	5.36E-04	2.55E-03	4.18E-04	3.12E-04
1510	563572.6	4234135	2.93E-03	4.97E-04	2.37E-03	3.88E-04	2.89E-04
1511	563581.7	4234143	2.83E-03	4.80E-04	2.28E-03	3.74E-04	2.79E-04
1512	563590.8	4234150	2.72E-03	4.61E-04	2.19E-03	3.59E-04	2.68E-04
1513	563599.9	4234158	2.61E-03	4.43E-04	2.11E-03	3.45E-04	2.58E-04
1514	563609	4234166	2.55E-03	4.33E-04	2.06E-03	3.37E-04	2.52E-04
1515	563618.1	4234173	2.45E-03	4.16E-04	1.98E-03	3.24E-04	2.42E-04
1516	563627.2	4234181	2.33E-03	3.95E-04	1.88E-03	3.08E-04	2.30E-04
1517	563636.3	4234189	2.21E-03	3.75E-04	1.78E-03	2.92E-04	2.18E-04
1518	563645.4	4234196	2.09E-03	3.55E-04	1.69E-03	2.76E-04	2.06E-04
1519	563654.5	4234204	1.97E-03	3.34E-04	1.59E-03	2.61E-04	1.95E-04
1520	563663.7	4234212	1.85E-03	3.14E-04	1.49E-03	2.45E-04	1.83E-04
1521	563562.8	4234128	3.00E-03	5.09E-04	2.42E-03	3.97E-04	2.96E-04
1522	563594.9	4234102	2.72E-03	4.61E-04	2.19E-03	3.59E-04	2.68E-04
1523	563604.2	4234110	2.62E-03	4.45E-04	2.12E-03	3.47E-04	2.59E-04
1524	563613.5	4234118	2.55E-03	4.33E-04	2.06E-03	3.38E-04	2.52E-04
1525	563622.7	4234125	2.50E-03	4.24E-04	2.02E-03	3.31E-04	2.47E-04
1526	563632	4234133	2.39E-03	4.06E-04	1.93E-03	3.17E-04	2.36E-04
1527	563641.3	4234141	2.28E-03	3.88E-04	1.84E-03	3.02E-04	2.26E-04
1528	563650.6	4234149	2.17E-03	3.68E-04	1.75E-03	2.87E-04	2.14E-04
1529	563659.9	4234157	2.06E-03	3.49E-04	1.66E-03	2.72E-04	2.03E-04
1530	563669.2	4234164	1.94E-03	3.30E-04	1.57E-03	2.57E-04	1.92E-04
1531	563678.5	4234172	1.83E-03	3.10E-04	1.48E-03	2.42E-04	1.81E-04
1532	563585.1	4234095	2.81E-03	4.77E-04	2.27E-03	3.72E-04	2.78E-04
1533	563617.2	4234069	2.52E-03	4.28E-04	2.04E-03	3.34E-04	2.49E-04
1534	563626.6	4234077	2.44E-03	4.14E-04	1.97E-03	3.22E-04	2.41E-04
1535	563636.1	4234085	2.36E-03	4.01E-04	1.91E-03	3.12E-04	2.33E-04
1536	563645.5	4234093	2.31E-03	3.92E-04	1.86E-03	3.05E-04	2.28E-04
1537	563655	4234101	2.24E-03	3.80E-04	1.81E-03	2.96E-04	2.21E-04
1538	563664.5	4234109	2.14E-03	3.62E-04	1.72E-03	2.82E-04	2.11E-04
1539	563673.9	4234116	2.03E-03	3.44E-04	1.64E-03	2.68E-04	2.00E-04
1540	563607.3	4234061	2.61E-03	4.43E-04	2.11E-03	3.45E-04	2.58E-04
1541	563214	4234603	6.08E-02	1.03E-02	4.91E-02	8.04E-03	6.00E-03
1542	563197.8	4234602	7.95E-02	1.35E-02	6.42E-02	1.05E-02	7.86E-03
1543	563214.9	4234593	5.49E-02	9.32E-03	4.43E-02	7.26E-03	5.42E-03
1544	563198.7	4234592	7.06E-02	1.20E-02	5.70E-02	9.34E-03	6.97E-03
1545	563215.8	4234583	5.01E-02	8.50E-03	4.05E-02	6.63E-03	4.95E-03
1546	563199.6	4234582	6.34E-02	1.08E-02	5.12E-02	8.38E-03	6.26E-03
1547	563216.6	4234573	4.61E-02	7.82E-03	3.72E-02	6.10E-03	4.55E-03
1548	563200.4	4234572	5.74E-02	9.74E-03	4.63E-02	7.59E-03	5.67E-03
1549	563217.5	4234563	4.27E-02	7.24E-03	3.45E-02	5.65E-03	4.22E-03
1550	563201.3	4234562	5.24E-02	8.89E-03	4.23E-02	6.93E-03	5.17E-03
1551	563218.3	4234553	3.97E-02	6.74E-03	3.21E-02	5.26E-03	3.92E-03
1552	563202.1	4234552	4.81E-02	8.16E-03	3.89E-02	6.36E-03	4.75E-03
1553	563260.8	4234556	2.33E-02	3.95E-03	1.88E-02	3.08E-03	2.30E-03
1554	563219.2	4234543	3.72E-02	6.31E-03	3.00E-02	4.91E-03	3.67E-03
1555	563203	4234542	4.44E-02	7.53E-03	3.58E-02	5.87E-03	4.38E-03

1556	563264.2	4234536	2.12E-02	3.59E-03	1.71E-02	2.80E-03	2.09E-03
1557	563220.9	4234523	3.28E-02	5.57E-03	2.65E-02	4.34E-03	3.24E-03
1558	563204.7	4234522	3.81E-02	6.47E-03	3.08E-02	5.04E-03	3.76E-03
1559	563267.2	4234517	1.93E-02	3.28E-03	1.56E-02	2.55E-03	1.91E-03
1560	563281.8	4234522	1.65E-02	2.81E-03	1.34E-02	2.19E-03	1.63E-03
1561	563222.7	4234503	2.89E-02	4.90E-03	2.33E-02	3.82E-03	2.85E-03
1562	563206.4	4234502	3.30E-02	5.61E-03	2.67E-02	4.37E-03	3.26E-03
1563	563255	4234492	2.04E-02	3.46E-03	1.65E-02	2.70E-03	2.01E-03
1564	563270	4234497	1.79E-02	3.04E-03	1.45E-02	2.37E-03	1.77E-03
1565	563285	4234503	1.54E-02	2.62E-03	1.25E-02	2.04E-03	1.53E-03
1566	563224.4	4234483	2.56E-02	4.34E-03	2.07E-02	3.39E-03	2.53E-03
1567	563208.2	4234482	2.89E-02	4.91E-03	2.34E-02	3.83E-03	2.86E-03
1568	563257.2	4234472	1.88E-02	3.19E-03	1.52E-02	2.49E-03	1.86E-03
1569	563272.6	4234478	1.67E-02	2.84E-03	1.35E-02	2.21E-03	1.65E-03
1570	563287.9	4234483	1.46E-02	2.47E-03	1.17E-02	1.92E-03	1.44E-03
1571	563303.3	4234488	1.26E-02	2.13E-03	1.02E-02	1.66E-03	1.24E-03
1572	563226.1	4234464	2.32E-02	3.94E-03	1.87E-02	3.07E-03	2.29E-03
1573	563209.9	4234462	2.58E-02	4.38E-03	2.09E-02	3.42E-03	2.55E-03
1574	563257.6	4234452	1.76E-02	2.99E-03	1.42E-02	2.33E-03	1.74E-03
1575	563272	4234457	1.60E-02	2.72E-03	1.29E-02	2.12E-03	1.58E-03
1576	563286.4	4234462	1.42E-02	2.42E-03	1.15E-02	1.88E-03	1.41E-03
1577	563300.9	4234467	1.26E-02	2.13E-03	1.01E-02	1.66E-03	1.24E-03
1578	563315.3	4234472	1.11E-02	1.88E-03	8.96E-03	1.47E-03	1.10E-03
1579	563227.8	4234444	2.09E-02	3.55E-03	1.69E-02	2.77E-03	2.07E-03
1580	563211.6	4234442	2.30E-02	3.91E-03	1.86E-02	3.05E-03	2.28E-03
1581	563259.7	4234432	1.61E-02	2.74E-03	1.30E-02	2.13E-03	1.59E-03
1582	563274.5	4234437	1.48E-02	2.51E-03	1.19E-02	1.96E-03	1.46E-03
1583	563289.2	4234442	1.34E-02	2.27E-03	1.08E-02	1.77E-03	1.32E-03
1584	563304	4234448	1.19E-02	2.02E-03	9.62E-03	1.58E-03	1.18E-03
1585	563318.7	4234453	1.06E-02	1.80E-03	8.58E-03	1.41E-03	1.05E-03
1586	563229.5	4234424	1.89E-02	3.21E-03	1.53E-02	2.50E-03	1.87E-03
1587	563213.3	4234422	2.07E-02	3.51E-03	1.67E-02	2.73E-03	2.04E-03
1588	563261.9	4234412	1.50E-02	2.54E-03	1.21E-02	1.98E-03	1.48E-03
1589	563276.9	4234418	1.38E-02	2.34E-03	1.11E-02	1.82E-03	1.36E-03
1590	563291.9	4234423	1.26E-02	2.13E-03	1.01E-02	1.66E-03	1.24E-03
1591	563306.9	4234428	1.14E-02	1.93E-03	9.18E-03	1.50E-03	1.12E-03
1592	563321.9	4234433	1.03E-02	1.74E-03	8.28E-03	1.36E-03	1.01E-03
1593	563336.9	4234439	9.18E-03	1.56E-03	7.41E-03	1.21E-03	9.07E-04
1594	563215.1	4234402	1.88E-02	3.20E-03	1.52E-02	2.49E-03	1.86E-03
1595	563263.9	4234393	1.40E-02	2.38E-03	1.13E-02	1.85E-03	1.38E-03
1596	563279.2	4234398	1.30E-02	2.20E-03	1.05E-02	1.72E-03	1.28E-03
1597	563294.4	4234403	1.19E-02	2.02E-03	9.60E-03	1.57E-03	1.17E-03
1598	563309.7	4234409	1.08E-02	1.84E-03	8.74E-03	1.43E-03	1.07E-03
1599	563324.9	4234414	9.84E-03	1.67E-03	7.94E-03	1.30E-03	9.72E-04
1600	563340.2	4234419	8.91E-03	1.51E-03	7.19E-03	1.18E-03	8.80E-04
1601	563216.8	4234382	1.73E-02	2.93E-03	1.40E-02	2.29E-03	1.71E-03
1602	563264.7	4234372	1.32E-02	2.24E-03	1.07E-02	1.75E-03	1.30E-03
1603	563279.3	4234377	1.24E-02	2.10E-03	9.97E-03	1.63E-03	1.22E-03
1604	563293.9	4234383	1.15E-02	1.94E-03	9.26E-03	1.52E-03	1.13E-03
1605	563308.5	4234388	1.06E-02	1.79E-03	8.52E-03	1.40E-03	1.04E-03
1606	563323.1	4234393	9.65E-03	1.64E-03	7.79E-03	1.28E-03	9.53E-04
1607	563337.6	4234398	8.81E-03	1.50E-03	7.12E-03	1.17E-03	8.70E-04

1608	563352.2	4234403	8.07E-03	1.37E-03	6.52E-03	1.07E-03	7.97E-04
1609	563218.5	4234363	1.59E-02	2.70E-03	1.29E-02	2.11E-03	1.57E-03
1610	563266.7	4234352	1.24E-02	2.10E-03	1.00E-02	1.64E-03	1.22E-03
1611	563281.6	4234358	1.17E-02	1.98E-03	9.41E-03	1.54E-03	1.15E-03
1612	563296.4	4234363	1.09E-02	1.84E-03	8.77E-03	1.44E-03	1.07E-03
1613	563311.2	4234368	1.01E-02	1.71E-03	8.12E-03	1.33E-03	9.93E-04
1614	563326	4234373	9.24E-03	1.57E-03	7.46E-03	1.22E-03	9.13E-04
1615	563340.8	4234378	8.49E-03	1.44E-03	6.86E-03	1.12E-03	8.39E-04
1616	563355.6	4234384	7.81E-03	1.33E-03	6.31E-03	1.03E-03	7.72E-04
1617	563370.4	4234389	7.13E-03	1.21E-03	5.76E-03	9.43E-04	7.04E-04
1618	563220.2	4234343	1.47E-02	2.50E-03	1.19E-02	1.95E-03	1.45E-03
1619	563270.7	4234313	1.10E-02	1.87E-03	8.88E-03	1.45E-03	1.09E-03
1620	563285.9	4234318	1.05E-02	1.78E-03	8.47E-03	1.39E-03	1.04E-03
1621	563301.1	4234323	9.89E-03	1.68E-03	7.99E-03	1.31E-03	9.77E-04
1622	563316.3	4234329	9.28E-03	1.57E-03	7.49E-03	1.23E-03	9.16E-04
1623	563331.5	4234334	8.69E-03	1.47E-03	7.02E-03	1.15E-03	8.58E-04
1624	563346.7	4234339	8.02E-03	1.36E-03	6.47E-03	1.06E-03	7.92E-04
1625	563361.9	4234345	7.37E-03	1.25E-03	5.95E-03	9.75E-04	7.28E-04
1626	563377.1	4234350	6.80E-03	1.15E-03	5.49E-03	8.99E-04	6.71E-04
1627	563392.2	4234355	6.22E-03	1.05E-03	5.02E-03	8.22E-04	6.14E-04
1628	563223.7	4234303	1.27E-02	2.16E-03	1.03E-02	1.68E-03	1.26E-03
1629	563258.8	4234268	1.03E-02	1.75E-03	8.33E-03	1.36E-03	1.02E-03
1630	563273.7	4234273	9.89E-03	1.68E-03	7.98E-03	1.31E-03	9.77E-04
1631	563288.5	4234278	9.55E-03	1.62E-03	7.71E-03	1.26E-03	9.44E-04
1632	563303.4	4234283	9.20E-03	1.56E-03	7.43E-03	1.22E-03	9.09E-04
1633	563318.2	4234288	8.77E-03	1.49E-03	7.08E-03	1.16E-03	8.66E-04
1634	563333.1	4234294	8.26E-03	1.40E-03	6.67E-03	1.09E-03	8.16E-04
1635	563347.9	4234299	7.76E-03	1.32E-03	6.27E-03	1.03E-03	7.67E-04
1636	563362.8	4234304	7.31E-03	1.24E-03	5.90E-03	9.67E-04	7.22E-04
1637	563377.7	4234309	6.77E-03	1.15E-03	5.47E-03	8.95E-04	6.69E-04
1638	563392.5	4234314	6.27E-03	1.06E-03	5.06E-03	8.29E-04	6.19E-04
1639	563407.4	4234320	5.77E-03	9.80E-04	4.66E-03	7.64E-04	5.70E-04
1640	563227.1	4234263	1.12E-02	1.90E-03	9.05E-03	1.48E-03	1.11E-03
1641	563262.4	4234228	9.41E-03	1.60E-03	7.59E-03	1.24E-03	9.29E-04
1642	563277.6	4234233	9.11E-03	1.55E-03	7.35E-03	1.20E-03	8.99E-04
1643	563292.7	4234238	8.77E-03	1.49E-03	7.08E-03	1.16E-03	8.66E-04
1644	563307.9	4234244	8.42E-03	1.43E-03	6.80E-03	1.11E-03	8.32E-04
1645	563323	4234249	8.13E-03	1.38E-03	6.56E-03	1.08E-03	8.03E-04
1646	563338.2	4234254	7.77E-03	1.32E-03	6.28E-03	1.03E-03	7.68E-04
1647	563353.3	4234260	7.31E-03	1.24E-03	5.90E-03	9.66E-04	7.22E-04
1648	563368.5	4234265	6.84E-03	1.16E-03	5.52E-03	9.05E-04	6.76E-04
1649	563383.6	4234270	6.38E-03	1.08E-03	5.16E-03	8.44E-04	6.31E-04
1650	563398.8	4234276	5.94E-03	1.01E-03	4.80E-03	7.85E-04	5.87E-04
1651	563414	4234281	5.51E-03	9.35E-04	4.45E-03	7.29E-04	5.44E-04
1652	563429.1	4234286	5.10E-03	8.66E-04	4.12E-03	6.75E-04	5.04E-04
1653	563230.5	4234223	1.01E-02	1.71E-03	8.14E-03	1.33E-03	9.96E-04
1654	563265.7	4234188	8.48E-03	1.44E-03	6.85E-03	1.12E-03	8.38E-04
1655	563280.6	4234193	8.30E-03	1.41E-03	6.70E-03	1.10E-03	8.20E-04
1656	563295.5	4234198	8.10E-03	1.37E-03	6.54E-03	1.07E-03	8.00E-04
1657	563310.4	4234204	7.84E-03	1.33E-03	6.33E-03	1.04E-03	7.74E-04
1658	563325.2	4234209	7.57E-03	1.28E-03	6.11E-03	1.00E-03	7.47E-04
1659	563340.1	4234214	7.26E-03	1.23E-03	5.86E-03	9.60E-04	7.17E-04

1660	563355	4234219	6.89E-03	1.17E-03	5.56E-03	9.11E-04	6.80E-04
1661	563369.9	4234224	6.51E-03	1.10E-03	5.25E-03	8.60E-04	6.43E-04
1662	563384.8	4234230	6.13E-03	1.04E-03	4.95E-03	8.10E-04	6.05E-04
1663	563399.6	4234235	5.75E-03	9.76E-04	4.64E-03	7.61E-04	5.68E-04
1664	563414.5	4234240	5.39E-03	9.14E-04	4.35E-03	7.13E-04	5.32E-04
1665	563429.4	4234245	5.03E-03	8.54E-04	4.07E-03	6.66E-04	4.97E-04
1666	563269.3	4234148	7.69E-03	1.30E-03	6.21E-03	1.02E-03	7.59E-04
1667	563284.4	4234153	7.52E-03	1.28E-03	6.07E-03	9.94E-04	7.43E-04
1668	563299.6	4234159	7.33E-03	1.24E-03	5.92E-03	9.69E-04	7.24E-04
1669	563314.7	4234164	7.19E-03	1.22E-03	5.80E-03	9.50E-04	7.10E-04
1670	563329.8	4234169	7.00E-03	1.19E-03	5.65E-03	9.26E-04	6.92E-04
1671	563344.9	4234175	6.72E-03	1.14E-03	5.43E-03	8.89E-04	6.64E-04
1672	563360.1	4234180	6.41E-03	1.09E-03	5.17E-03	8.47E-04	6.33E-04
1673	563375.2	4234185	6.08E-03	1.03E-03	4.91E-03	8.05E-04	6.01E-04
1674	563390.3	4234191	5.76E-03	9.77E-04	4.65E-03	7.62E-04	5.69E-04
1675	563405.5	4234196	5.39E-03	9.14E-04	4.35E-03	7.12E-04	5.32E-04
1676	563420.6	4234201	5.04E-03	8.56E-04	4.07E-03	6.67E-04	4.98E-04
1677	563481.1	4234222	3.84E-03	6.52E-04	3.10E-03	5.08E-04	3.80E-04
1678	563272.9	4234108	6.91E-03	1.17E-03	5.58E-03	9.14E-04	6.82E-04
1679	563288.2	4234114	6.80E-03	1.15E-03	5.49E-03	9.00E-04	6.72E-04
1680	563303.6	4234119	6.67E-03	1.13E-03	5.39E-03	8.83E-04	6.59E-04
1681	563318.9	4234124	6.52E-03	1.11E-03	5.26E-03	8.62E-04	6.44E-04
1682	563334.3	4234130	6.33E-03	1.07E-03	5.11E-03	8.37E-04	6.25E-04
1683	563349.6	4234135	6.18E-03	1.05E-03	4.99E-03	8.17E-04	6.10E-04
1684	563365	4234141	5.97E-03	1.01E-03	4.82E-03	7.90E-04	5.90E-04
1685	563380.3	4234146	5.67E-03	9.61E-04	4.57E-03	7.49E-04	5.60E-04
1686	563395.6	4234151	5.38E-03	9.13E-04	4.35E-03	7.12E-04	5.31E-04
1687	563411	4234157	5.05E-03	8.56E-04	4.07E-03	6.67E-04	4.98E-04
1688	563472.4	4234178	3.96E-03	6.72E-04	3.20E-03	5.24E-04	3.91E-04
1689	563487.7	4234184	3.72E-03	6.31E-04	3.00E-03	4.92E-04	3.68E-04
1690	563503.1	4234189	3.53E-03	6.00E-04	2.85E-03	4.67E-04	3.49E-04
1691	563276.2	4234068	6.27E-03	1.06E-03	5.07E-03	8.30E-04	6.20E-04
1692	563291.3	4234074	6.17E-03	1.05E-03	4.98E-03	8.16E-04	6.10E-04
1693	563306.4	4234079	6.06E-03	1.03E-03	4.90E-03	8.02E-04	5.99E-04
1694	563321.5	4234084	5.99E-03	1.02E-03	4.83E-03	7.92E-04	5.91E-04
1695	563336.6	4234090	5.88E-03	9.97E-04	4.74E-03	7.77E-04	5.80E-04
1696	563351.7	4234095	5.68E-03	9.63E-04	4.58E-03	7.51E-04	5.61E-04
1697	563366.9	4234100	5.48E-03	9.30E-04	4.43E-03	7.25E-04	5.41E-04
1698	563382	4234105	5.26E-03	8.92E-04	4.25E-03	6.95E-04	5.19E-04
1699	563397.1	4234111	5.01E-03	8.50E-04	4.05E-03	6.63E-04	4.95E-04
1700	563412.2	4234116	4.78E-03	8.11E-04	3.86E-03	6.32E-04	4.72E-04
1701	563472.6	4234137	3.90E-03	6.62E-04	3.15E-03	5.16E-04	3.85E-04
1702	563487.8	4234143	3.73E-03	6.33E-04	3.01E-03	4.93E-04	3.68E-04
1703	563502.9	4234148	3.55E-03	6.02E-04	2.87E-03	4.69E-04	3.50E-04
1704	563518	4234153	3.37E-03	5.72E-04	2.72E-03	4.46E-04	3.33E-04
1705	563260.5	4234065	6.39E-03	1.08E-03	5.16E-03	8.45E-04	6.31E-04
1706	563279.7	4234029	5.78E-03	9.81E-04	4.67E-03	7.64E-04	5.71E-04
1707	563295	4234034	5.70E-03	9.68E-04	4.61E-03	7.54E-04	5.63E-04
1708	563310.3	4234039	5.63E-03	9.55E-04	4.54E-03	7.44E-04	5.56E-04
1709	563325.6	4234045	5.57E-03	9.46E-04	4.50E-03	7.37E-04	5.51E-04
1710	563340.9	4234050	5.47E-03	9.28E-04	4.41E-03	7.23E-04	5.40E-04
1711	563356.2	4234055	5.30E-03	8.99E-04	4.28E-03	7.01E-04	5.23E-04

1712	563371.5	4234061	5.12E-03	8.68E-04	4.13E-03	6.77E-04	5.05E-04
1713	563386.8	4234066	4.92E-03	8.35E-04	3.98E-03	6.51E-04	4.86E-04
1714	563402.2	4234071	4.72E-03	8.01E-04	3.81E-03	6.25E-04	4.66E-04
1715	563417.5	4234077	4.52E-03	7.67E-04	3.65E-03	5.98E-04	4.47E-04
1716	563463.4	4234093	3.92E-03	6.65E-04	3.16E-03	5.18E-04	3.87E-04
1717	563478.7	4234098	3.72E-03	6.32E-04	3.01E-03	4.92E-04	3.68E-04
1718	563494	4234104	3.56E-03	6.05E-04	2.88E-03	4.71E-04	3.52E-04
1719	563509.3	4234109	3.42E-03	5.81E-04	2.77E-03	4.53E-04	3.38E-04
1720	563524.6	4234114	3.29E-03	5.59E-04	2.66E-03	4.35E-04	3.25E-04
1721	563539.9	4234120	3.17E-03	5.38E-04	2.56E-03	4.19E-04	3.13E-04
1722	563264	4234025	5.86E-03	9.95E-04	4.73E-03	7.75E-04	5.79E-04
1723	563283.1	4233989	5.37E-03	9.12E-04	4.34E-03	7.10E-04	5.31E-04
1724	563298.2	4233994	5.38E-03	9.13E-04	4.34E-03	7.11E-04	5.31E-04
1725	563313.3	4233999	5.33E-03	9.04E-04	4.30E-03	7.05E-04	5.26E-04
1726	563328.4	4234005	5.23E-03	8.88E-04	4.23E-03	6.92E-04	5.17E-04
1727	563343.5	4234010	5.12E-03	8.68E-04	4.13E-03	6.77E-04	5.05E-04
1728	563358.6	4234015	4.98E-03	8.45E-04	4.02E-03	6.59E-04	4.92E-04
1729	563373.7	4234020	4.85E-03	8.23E-04	3.92E-03	6.42E-04	4.79E-04
1730	563388.8	4234026	4.70E-03	7.98E-04	3.80E-03	6.22E-04	4.64E-04
1731	563403.9	4234031	4.55E-03	7.72E-04	3.67E-03	6.02E-04	4.49E-04
1732	563419	4234036	4.43E-03	7.51E-04	3.57E-03	5.85E-04	4.37E-04
1733	563464.3	4234052	3.86E-03	6.54E-04	3.11E-03	5.10E-04	3.81E-04
1734	563479.4	4234058	3.66E-03	6.21E-04	2.96E-03	4.84E-04	3.62E-04
1735	563494.5	4234063	3.50E-03	5.95E-04	2.83E-03	4.63E-04	3.46E-04
1736	563509.6	4234068	3.38E-03	5.73E-04	2.73E-03	4.47E-04	3.33E-04
1737	563524.7	4234073	3.26E-03	5.53E-04	2.63E-03	4.31E-04	3.22E-04
1738	563539.8	4234079	3.15E-03	5.34E-04	2.54E-03	4.17E-04	3.11E-04
1739	563554.9	4234084	3.03E-03	5.14E-04	2.45E-03	4.01E-04	2.99E-04
1740	563570	4234089	2.93E-03	4.97E-04	2.36E-03	3.87E-04	2.89E-04
1741	563267.4	4233985	5.40E-03	9.17E-04	4.36E-03	7.15E-04	5.34E-04
1742	563286.6	4233949	5.05E-03	8.57E-04	4.08E-03	6.68E-04	4.99E-04
1743	563301.9	4233954	5.01E-03	8.51E-04	4.05E-03	6.63E-04	4.95E-04
1744	563317.1	4233960	4.96E-03	8.41E-04	4.00E-03	6.56E-04	4.90E-04
1745	563332.4	4233965	4.88E-03	8.28E-04	3.94E-03	6.46E-04	4.82E-04
1746	563347.7	4233970	4.79E-03	8.12E-04	3.86E-03	6.33E-04	4.73E-04
1747	563362.9	4233976	4.67E-03	7.92E-04	3.77E-03	6.18E-04	4.61E-04
1748	563378.2	4233981	4.55E-03	7.72E-04	3.67E-03	6.01E-04	4.49E-04
1749	563393.5	4233986	4.43E-03	7.52E-04	3.58E-03	5.86E-04	4.38E-04
1750	563408.7	4233992	4.33E-03	7.35E-04	3.50E-03	5.73E-04	4.28E-04
1751	563469.8	4234013	3.74E-03	6.34E-04	3.02E-03	4.95E-04	3.69E-04
1752	563485.1	4234018	3.58E-03	6.08E-04	2.89E-03	4.74E-04	3.54E-04
1753	563500.4	4234024	3.43E-03	5.81E-04	2.77E-03	4.53E-04	3.38E-04
1754	563515.6	4234029	3.27E-03	5.56E-04	2.64E-03	4.33E-04	3.23E-04
1755	563530.9	4234035	3.17E-03	5.38E-04	2.56E-03	4.19E-04	3.13E-04
1756	563546.2	4234040	3.06E-03	5.20E-04	2.47E-03	4.05E-04	3.03E-04
1757	563561.4	4234045	2.92E-03	4.95E-04	2.35E-03	3.86E-04	2.88E-04
1758	563576.7	4234051	2.78E-03	4.72E-04	2.25E-03	3.68E-04	2.75E-04
1759	563592	4234056	2.70E-03	4.58E-04	2.18E-03	3.57E-04	2.67E-04
1760	563270.8	4233945	5.09E-03	8.64E-04	4.11E-03	6.73E-04	5.03E-04
1761	563254.6	4233944	5.10E-03	8.66E-04	4.12E-03	6.75E-04	5.04E-04
1762	563139.7	4234607	1.45E-01	2.45E-02	1.17E-01	1.91E-02	1.43E-02
1763	563130.2	4234606	1.47E-01	2.49E-02	1.18E-01	1.94E-02	1.45E-02

1764	563120.7	4234605	1.46E-01	2.48E-02	1.18E-01	1.93E-02	1.44E-02
1765	563111.2	4234605	1.43E-01	2.43E-02	1.15E-01	1.89E-02	1.41E-02
1766	563101.6	4234604	1.37E-01	2.33E-02	1.11E-01	1.81E-02	1.36E-02
1767	563092.1	4234603	1.29E-01	2.20E-02	1.05E-01	1.71E-02	1.28E-02
1768	563188.2	4234601	9.10E-02	1.54E-02	7.35E-02	1.20E-02	8.99E-03
1769	563178.6	4234600	1.02E-01	1.72E-02	8.20E-02	1.34E-02	1.00E-02
1770	563169.1	4234599	1.11E-01	1.88E-02	8.96E-02	1.47E-02	1.10E-02
1771	563159.6	4234598	1.19E-01	2.02E-02	9.60E-02	1.57E-02	1.17E-02
1772	563150.1	4234598	1.25E-01	2.13E-02	1.01E-01	1.66E-02	1.24E-02
1773	563140.6	4234597	1.30E-01	2.20E-02	1.05E-01	1.72E-02	1.28E-02
1774	563131	4234596	1.32E-01	2.25E-02	1.07E-01	1.75E-02	1.31E-02
1775	563121.5	4234595	1.33E-01	2.26E-02	1.07E-01	1.76E-02	1.31E-02
1776	563112	4234595	1.31E-01	2.23E-02	1.06E-01	1.74E-02	1.30E-02
1777	563102.5	4234594	1.27E-01	2.16E-02	1.03E-01	1.68E-02	1.26E-02
1778	563092.9	4234593	1.22E-01	2.07E-02	9.83E-02	1.61E-02	1.20E-02
1779	563189	4234591	8.06E-02	1.37E-02	6.51E-02	1.07E-02	7.96E-03
1780	563179.5	4234590	9.01E-02	1.53E-02	7.27E-02	1.19E-02	8.89E-03
1781	563169.9	4234589	9.87E-02	1.68E-02	7.97E-02	1.31E-02	9.75E-03
1782	563160.4	4234589	1.06E-01	1.80E-02	8.58E-02	1.41E-02	1.05E-02
1783	563150.9	4234588	1.12E-01	1.91E-02	9.08E-02	1.49E-02	1.11E-02
1784	563141.4	4234587	1.17E-01	1.99E-02	9.46E-02	1.55E-02	1.16E-02
1785	563131.9	4234586	1.20E-01	2.04E-02	9.69E-02	1.59E-02	1.19E-02
1786	563122.3	4234585	1.21E-01	2.06E-02	9.79E-02	1.60E-02	1.20E-02
1787	563112.8	4234585	1.21E-01	2.05E-02	9.75E-02	1.60E-02	1.19E-02
1788	563103.3	4234584	1.18E-01	2.01E-02	9.56E-02	1.57E-02	1.17E-02
1789	563093.8	4234583	1.14E-01	1.94E-02	9.23E-02	1.51E-02	1.13E-02
1790	563189.8	4234581	7.20E-02	1.22E-02	5.82E-02	9.53E-03	7.11E-03
1791	563180.3	4234580	8.04E-02	1.36E-02	6.49E-02	1.06E-02	7.94E-03
1792	563170.8	4234579	8.83E-02	1.50E-02	7.13E-02	1.17E-02	8.72E-03
1793	563161.2	4234579	9.54E-02	1.62E-02	7.70E-02	1.26E-02	9.42E-03
1794	563151.7	4234578	1.01E-01	1.72E-02	8.18E-02	1.34E-02	1.00E-02
1795	563142.2	4234577	1.06E-01	1.80E-02	8.56E-02	1.40E-02	1.05E-02
1796	563132.7	4234576	1.09E-01	1.85E-02	8.82E-02	1.44E-02	1.08E-02
1797	563123.1	4234575	1.11E-01	1.88E-02	8.95E-02	1.47E-02	1.10E-02
1798	563113.6	4234575	1.11E-01	1.89E-02	8.97E-02	1.47E-02	1.10E-02
1799	563104.1	4234574	1.10E-01	1.87E-02	8.88E-02	1.45E-02	1.09E-02
1800	563094.6	4234573	1.07E-01	1.82E-02	8.67E-02	1.42E-02	1.06E-02
1801	563190.6	4234571	6.49E-02	1.10E-02	5.24E-02	8.58E-03	6.41E-03
1802	563181.1	4234570	7.22E-02	1.23E-02	5.83E-02	9.55E-03	7.13E-03
1803	563171.6	4234569	7.91E-02	1.34E-02	6.39E-02	1.05E-02	7.82E-03
1804	563162.1	4234569	8.54E-02	1.45E-02	6.89E-02	1.13E-02	8.43E-03
1805	563152.5	4234568	9.07E-02	1.54E-02	7.32E-02	1.20E-02	8.95E-03
1806	563143	4234567	9.51E-02	1.61E-02	7.68E-02	1.26E-02	9.39E-03
1807	563133.5	4234566	9.84E-02	1.67E-02	7.95E-02	1.30E-02	9.72E-03
1808	563124	4234565	1.00E-01	1.70E-02	8.11E-02	1.33E-02	9.92E-03
1809	563114.4	4234565	1.02E-01	1.73E-02	8.21E-02	1.35E-02	1.00E-02
1810	563104.9	4234564	1.02E-01	1.73E-02	8.22E-02	1.35E-02	1.01E-02
1811	563095.4	4234563	1.01E-01	1.71E-02	8.13E-02	1.33E-02	9.94E-03
1812	563191.4	4234561	5.89E-02	9.99E-03	4.75E-02	7.79E-03	5.82E-03
1813	563181.9	4234560	6.53E-02	1.11E-02	5.27E-02	8.63E-03	6.45E-03
1814	563172.4	4234559	7.12E-02	1.21E-02	5.75E-02	9.41E-03	7.03E-03
1815	563162.9	4234559	7.66E-02	1.30E-02	6.18E-02	1.01E-02	7.56E-03

1816	563153.4	4234558	8.13E-02	1.38E-02	6.56E-02	1.07E-02	8.03E-03
1817	563143.8	4234557	8.56E-02	1.45E-02	6.91E-02	1.13E-02	8.45E-03
1818	563134.3	4234556	8.89E-02	1.51E-02	7.18E-02	1.18E-02	8.78E-03
1819	563124.8	4234555	9.13E-02	1.55E-02	7.37E-02	1.21E-02	9.01E-03
1820	563115.3	4234555	9.32E-02	1.58E-02	7.52E-02	1.23E-02	9.20E-03
1821	563105.7	4234554	9.42E-02	1.60E-02	7.61E-02	1.25E-02	9.31E-03
1822	563096.2	4234553	9.43E-02	1.60E-02	7.61E-02	1.25E-02	9.31E-03
1823	563192.3	4234551	5.38E-02	9.12E-03	4.34E-02	7.11E-03	5.31E-03
1824	563182.7	4234550	5.94E-02	1.01E-02	4.79E-02	7.85E-03	5.86E-03
1825	563173.2	4234549	6.44E-02	1.09E-02	5.20E-02	8.52E-03	6.36E-03
1826	563163.7	4234549	6.91E-02	1.17E-02	5.58E-02	9.13E-03	6.82E-03
1827	563154.2	4234548	7.32E-02	1.24E-02	5.91E-02	9.68E-03	7.23E-03
1828	563144.7	4234547	7.72E-02	1.31E-02	6.24E-02	1.02E-02	7.63E-03
1829	563135.1	4234546	8.06E-02	1.37E-02	6.51E-02	1.07E-02	7.96E-03
1830	563125.6	4234546	8.31E-02	1.41E-02	6.71E-02	1.10E-02	8.21E-03
1831	563116.1	4234545	8.56E-02	1.45E-02	6.91E-02	1.13E-02	8.45E-03
1832	563106.6	4234544	8.73E-02	1.48E-02	7.05E-02	1.16E-02	8.63E-03
1833	563097	4234543	8.83E-02	1.50E-02	7.13E-02	1.17E-02	8.72E-03
1834	563193.1	4234541	4.92E-02	8.34E-03	3.97E-02	6.50E-03	4.86E-03
1835	563183.6	4234540	5.40E-02	9.16E-03	4.36E-02	7.14E-03	5.33E-03
1836	563174	4234539	5.84E-02	9.91E-03	4.72E-02	7.73E-03	5.77E-03
1837	563164.5	4234539	6.27E-02	1.06E-02	5.06E-02	8.29E-03	6.19E-03
1838	563155	4234538	6.67E-02	1.13E-02	5.38E-02	8.82E-03	6.58E-03
1839	563145.5	4234537	7.05E-02	1.20E-02	5.70E-02	9.33E-03	6.97E-03
1840	563136	4234536	7.39E-02	1.25E-02	5.97E-02	9.77E-03	7.30E-03
1841	563126.4	4234536	7.66E-02	1.30E-02	6.19E-02	1.01E-02	7.57E-03
1842	563116.9	4234535	7.92E-02	1.34E-02	6.39E-02	1.05E-02	7.82E-03
1843	563107.4	4234534	8.13E-02	1.38E-02	6.56E-02	1.07E-02	8.03E-03
1844	563097.9	4234533	8.26E-02	1.40E-02	6.67E-02	1.09E-02	8.16E-03
1845	563194.7	4234521	4.15E-02	7.04E-03	3.35E-02	5.49E-03	4.10E-03
1846	563185.2	4234520	4.49E-02	7.61E-03	3.62E-02	5.93E-03	4.43E-03
1847	563175.7	4234520	4.85E-02	8.24E-03	3.92E-02	6.42E-03	4.79E-03
1848	563166.2	4234519	5.23E-02	8.87E-03	4.22E-02	6.91E-03	5.16E-03
1849	563156.6	4234518	5.60E-02	9.49E-03	4.52E-02	7.40E-03	5.53E-03
1850	563147.1	4234517	5.94E-02	1.01E-02	4.80E-02	7.86E-03	5.87E-03
1851	563137.6	4234516	6.26E-02	1.06E-02	5.05E-02	8.28E-03	6.18E-03
1852	563128.1	4234516	6.53E-02	1.11E-02	5.27E-02	8.63E-03	6.45E-03
1853	563118.6	4234515	6.79E-02	1.15E-02	5.48E-02	8.98E-03	6.70E-03
1854	563109	4234514	7.04E-02	1.19E-02	5.68E-02	9.31E-03	6.95E-03
1855	563099.5	4234513	7.23E-02	1.23E-02	5.84E-02	9.57E-03	7.14E-03
1856	563196.4	4234501	3.58E-02	6.07E-03	2.89E-02	4.73E-03	3.53E-03
1857	563186.8	4234500	3.85E-02	6.53E-03	3.11E-02	5.09E-03	3.80E-03
1858	563177.3	4234500	4.14E-02	7.03E-03	3.34E-02	5.48E-03	4.09E-03
1859	563167.8	4234499	4.45E-02	7.55E-03	3.59E-02	5.88E-03	4.39E-03
1860	563158.3	4234498	4.76E-02	8.07E-03	3.84E-02	6.29E-03	4.70E-03
1861	563148.8	4234497	5.04E-02	8.56E-03	4.07E-02	6.67E-03	4.98E-03
1862	563139.2	4234496	5.29E-02	8.98E-03	4.27E-02	7.00E-03	5.23E-03
1863	563129.7	4234496	5.52E-02	9.36E-03	4.45E-02	7.29E-03	5.45E-03
1864	563120.2	4234495	5.75E-02	9.75E-03	4.64E-02	7.60E-03	5.68E-03
1865	563110.7	4234494	6.04E-02	1.02E-02	4.87E-02	7.98E-03	5.96E-03
1866	563101.1	4234493	6.30E-02	1.07E-02	5.09E-02	8.33E-03	6.22E-03
1867	563198	4234481	3.12E-02	5.29E-03	2.52E-02	4.12E-03	3.08E-03

1868	563188.5	4234480	3.34E-02	5.66E-03	2.69E-02	4.41E-03	3.30E-03
1869	563179	4234480	3.57E-02	6.05E-03	2.88E-02	4.72E-03	3.52E-03
1870	563169.4	4234479	3.81E-02	6.47E-03	3.08E-02	5.04E-03	3.76E-03
1871	563159.9	4234478	4.06E-02	6.89E-03	3.28E-02	5.37E-03	4.01E-03
1872	563150.4	4234477	4.30E-02	7.30E-03	3.48E-02	5.69E-03	4.25E-03
1873	563140.9	4234477	4.52E-02	7.67E-03	3.65E-02	5.98E-03	4.47E-03
1874	563131.4	4234476	4.73E-02	8.02E-03	3.82E-02	6.25E-03	4.67E-03
1875	563121.8	4234475	4.94E-02	8.38E-03	3.99E-02	6.53E-03	4.88E-03
1876	563112.3	4234474	5.20E-02	8.83E-03	4.20E-02	6.88E-03	5.14E-03
1877	563102.8	4234473	5.45E-02	9.25E-03	4.40E-02	7.21E-03	5.38E-03
1878	563199.6	4234461	2.75E-02	4.66E-03	2.22E-02	3.63E-03	2.71E-03
1879	563190.1	4234461	2.91E-02	4.93E-03	2.35E-02	3.84E-03	2.87E-03
1880	563180.6	4234460	3.08E-02	5.22E-03	2.49E-02	4.07E-03	3.04E-03
1881	563171.1	4234459	3.27E-02	5.55E-03	2.64E-02	4.33E-03	3.23E-03
1882	563161.6	4234458	3.47E-02	5.89E-03	2.80E-02	4.59E-03	3.43E-03
1883	563152	4234457	3.68E-02	6.25E-03	2.97E-02	4.87E-03	3.64E-03
1884	563142.5	4234457	3.89E-02	6.60E-03	3.14E-02	5.14E-03	3.84E-03
1885	563133	4234456	4.10E-02	6.95E-03	3.31E-02	5.42E-03	4.05E-03
1886	563123.5	4234455	4.30E-02	7.29E-03	3.47E-02	5.68E-03	4.25E-03
1887	563114	4234454	4.52E-02	7.68E-03	3.65E-02	5.98E-03	4.47E-03
1888	563104.4	4234453	4.74E-02	8.04E-03	3.82E-02	6.26E-03	4.68E-03
1889	563201.3	4234441	2.44E-02	4.14E-03	1.97E-02	3.23E-03	2.41E-03
1890	563191.8	4234441	2.57E-02	4.37E-03	2.08E-02	3.40E-03	2.54E-03
1891	563182.2	4234440	2.72E-02	4.61E-03	2.19E-02	3.59E-03	2.68E-03
1892	563172.7	4234439	2.88E-02	4.88E-03	2.32E-02	3.81E-03	2.84E-03
1893	563163.2	4234438	3.05E-02	5.17E-03	2.46E-02	4.03E-03	3.01E-03
1894	563153.7	4234437	3.22E-02	5.47E-03	2.60E-02	4.26E-03	3.18E-03
1895	563144.2	4234437	3.41E-02	5.78E-03	2.75E-02	4.51E-03	3.36E-03
1896	563134.6	4234436	3.59E-02	6.09E-03	2.90E-02	4.75E-03	3.55E-03
1897	563125.1	4234435	3.77E-02	6.40E-03	3.05E-02	4.99E-03	3.73E-03
1898	563115.6	4234434	3.98E-02	6.75E-03	3.21E-02	5.26E-03	3.93E-03
1899	563106.1	4234434	4.18E-02	7.09E-03	3.38E-02	5.53E-03	4.13E-03
1900	563202.9	4234421	2.19E-02	3.71E-03	1.77E-02	2.89E-03	2.16E-03
1901	563193.4	4234421	2.30E-02	3.91E-03	1.86E-02	3.05E-03	2.28E-03
1902	563183.9	4234420	2.43E-02	4.12E-03	1.96E-02	3.21E-03	2.40E-03
1903	563174.4	4234419	2.56E-02	4.35E-03	2.07E-02	3.39E-03	2.53E-03
1904	563164.8	4234418	2.70E-02	4.59E-03	2.18E-02	3.57E-03	2.67E-03
1905	563155.3	4234418	2.85E-02	4.84E-03	2.30E-02	3.77E-03	2.82E-03
1906	563145.8	4234417	3.01E-02	5.11E-03	2.43E-02	3.98E-03	2.97E-03
1907	563136.3	4234416	3.17E-02	5.38E-03	2.56E-02	4.19E-03	3.13E-03
1908	563126.8	4234415	3.33E-02	5.66E-03	2.69E-02	4.41E-03	3.29E-03
1909	563117.2	4234414	3.52E-02	5.96E-03	2.84E-02	4.65E-03	3.47E-03
1910	563107.7	4234414	3.70E-02	6.28E-03	2.99E-02	4.90E-03	3.66E-03
1911	563204.6	4234402	1.99E-02	3.37E-03	1.60E-02	2.63E-03	1.96E-03
1912	563195	4234401	2.08E-02	3.53E-03	1.68E-02	2.75E-03	2.06E-03
1913	563185.5	4234400	2.19E-02	3.71E-03	1.77E-02	2.89E-03	2.16E-03
1914	563176	4234399	2.30E-02	3.90E-03	1.85E-02	3.04E-03	2.27E-03
1915	563166.5	4234398	2.42E-02	4.10E-03	1.95E-02	3.19E-03	2.39E-03
1916	563157	4234398	2.54E-02	4.31E-03	2.05E-02	3.36E-03	2.51E-03
1917	563147.4	4234397	2.68E-02	4.54E-03	2.16E-02	3.54E-03	2.64E-03
1918	563137.9	4234396	2.82E-02	4.78E-03	2.28E-02	3.73E-03	2.78E-03
1919	563128.4	4234395	2.96E-02	5.03E-03	2.39E-02	3.92E-03	2.93E-03

1920	563118.9	4234394	3.12E-02	5.30E-03	2.52E-02	4.13E-03	3.08E-03
1921	563109.4	4234394	3.30E-02	5.59E-03	2.66E-02	4.36E-03	3.25E-03
1922	563206.2	4234382	1.81E-02	3.08E-03	1.46E-02	2.40E-03	1.79E-03
1923	563196.7	4234381	1.89E-02	3.21E-03	1.53E-02	2.51E-03	1.87E-03
1924	563187.2	4234380	1.98E-02	3.36E-03	1.60E-02	2.62E-03	1.96E-03
1925	563177.6	4234379	2.07E-02	3.52E-03	1.67E-02	2.74E-03	2.05E-03
1926	563168.1	4234378	2.17E-02	3.69E-03	1.76E-02	2.88E-03	2.15E-03
1927	563158.6	4234378	2.28E-02	3.87E-03	1.84E-02	3.02E-03	2.25E-03
1928	563149.1	4234377	2.40E-02	4.07E-03	1.94E-02	3.17E-03	2.37E-03
1929	563139.6	4234376	2.52E-02	4.28E-03	2.04E-02	3.33E-03	2.49E-03
1930	563130	4234375	2.65E-02	4.50E-03	2.14E-02	3.50E-03	2.62E-03
1931	563120.5	4234375	2.79E-02	4.73E-03	2.25E-02	3.69E-03	2.75E-03
1932	563111	4234374	2.94E-02	5.00E-03	2.38E-02	3.89E-03	2.91E-03
1933	563207.8	4234362	1.66E-02	2.82E-03	1.34E-02	2.20E-03	1.64E-03
1934	563198.3	4234361	1.73E-02	2.94E-03	1.40E-02	2.29E-03	1.71E-03
1935	563188.8	4234360	1.81E-02	3.06E-03	1.46E-02	2.39E-03	1.78E-03
1936	563179.3	4234359	1.88E-02	3.20E-03	1.52E-02	2.49E-03	1.86E-03
1937	563169.8	4234359	1.97E-02	3.34E-03	1.59E-02	2.61E-03	1.95E-03
1938	563160.2	4234358	2.06E-02	3.50E-03	1.67E-02	2.73E-03	2.04E-03
1939	563150.7	4234357	2.16E-02	3.67E-03	1.75E-02	2.86E-03	2.14E-03
1940	563141.2	4234356	2.27E-02	3.85E-03	1.83E-02	3.00E-03	2.24E-03
1941	563131.7	4234355	2.38E-02	4.04E-03	1.92E-02	3.15E-03	2.35E-03
1942	563122.2	4234355	2.50E-02	4.25E-03	2.02E-02	3.31E-03	2.47E-03
1943	563112.6	4234354	2.64E-02	4.48E-03	2.13E-02	3.49E-03	2.61E-03
1944	563209.5	4234342	1.53E-02	2.60E-03	1.24E-02	2.03E-03	1.52E-03
1945	563200	4234341	1.59E-02	2.70E-03	1.29E-02	2.11E-03	1.57E-03
1946	563190.4	4234340	1.65E-02	2.81E-03	1.34E-02	2.19E-03	1.63E-03
1947	563180.9	4234339	1.72E-02	2.92E-03	1.39E-02	2.28E-03	1.70E-03
1948	563171.4	4234339	1.79E-02	3.05E-03	1.45E-02	2.37E-03	1.77E-03
1949	563161.9	4234338	1.87E-02	3.18E-03	1.51E-02	2.48E-03	1.85E-03
1950	563152.4	4234337	1.96E-02	3.33E-03	1.58E-02	2.59E-03	1.94E-03
1951	563142.8	4234336	2.05E-02	3.48E-03	1.66E-02	2.72E-03	2.03E-03
1952	563133.3	4234335	2.15E-02	3.65E-03	1.74E-02	2.85E-03	2.13E-03
1953	563123.8	4234335	2.26E-02	3.83E-03	1.82E-02	2.98E-03	2.23E-03
1954	563114.3	4234334	2.38E-02	4.04E-03	1.92E-02	3.15E-03	2.35E-03
1955	563212.8	4234302	1.32E-02	2.24E-03	1.07E-02	1.75E-03	1.30E-03
1956	563203.2	4234301	1.36E-02	2.31E-03	1.10E-02	1.80E-03	1.35E-03
1957	563193.7	4234300	1.41E-02	2.39E-03	1.14E-02	1.86E-03	1.39E-03
1958	563184.2	4234299	1.46E-02	2.47E-03	1.18E-02	1.93E-03	1.44E-03
1959	563174.7	4234299	1.51E-02	2.57E-03	1.22E-02	2.00E-03	1.49E-03
1960	563165.2	4234298	1.57E-02	2.67E-03	1.27E-02	2.08E-03	1.55E-03
1961	563155.6	4234297	1.64E-02	2.78E-03	1.32E-02	2.16E-03	1.62E-03
1962	563146.1	4234296	1.71E-02	2.90E-03	1.38E-02	2.26E-03	1.69E-03
1963	563136.6	4234296	1.78E-02	3.03E-03	1.44E-02	2.36E-03	1.76E-03
1964	563127.1	4234295	1.87E-02	3.17E-03	1.51E-02	2.47E-03	1.84E-03
1965	563117.6	4234294	1.96E-02	3.33E-03	1.58E-02	2.59E-03	1.94E-03
1966	563216	4234262	1.15E-02	1.95E-03	9.30E-03	1.52E-03	1.14E-03
1967	563206.5	4234261	1.18E-02	2.01E-03	9.55E-03	1.56E-03	1.17E-03
1968	563197	4234260	1.22E-02	2.06E-03	9.82E-03	1.61E-03	1.20E-03
1969	563187.5	4234260	1.25E-02	2.13E-03	1.01E-02	1.66E-03	1.24E-03
1970	563178	4234259	1.29E-02	2.20E-03	1.05E-02	1.71E-03	1.28E-03
1971	563168.4	4234258	1.34E-02	2.27E-03	1.08E-02	1.77E-03	1.32E-03

1972	563158.9	4234257	1.39E-02	2.36E-03	1.12E-02	1.84E-03	1.37E-03
1973	563149.4	4234256	1.45E-02	2.45E-03	1.17E-02	1.91E-03	1.43E-03
1974	563139.9	4234256	1.51E-02	2.55E-03	1.22E-02	1.99E-03	1.49E-03
1975	563130.4	4234255	1.57E-02	2.66E-03	1.27E-02	2.08E-03	1.55E-03
1976	563120.8	4234254	1.64E-02	2.78E-03	1.32E-02	2.17E-03	1.62E-03
1977	563219.3	4234222	1.03E-02	1.75E-03	8.35E-03	1.37E-03	1.02E-03
1978	563209.8	4234221	1.06E-02	1.79E-03	8.52E-03	1.40E-03	1.04E-03
1979	563200.3	4234221	1.08E-02	1.82E-03	8.68E-03	1.42E-03	1.06E-03
1980	563190.8	4234220	1.10E-02	1.86E-03	8.86E-03	1.45E-03	1.08E-03
1981	563181.2	4234219	1.12E-02	1.91E-03	9.08E-03	1.49E-03	1.11E-03
1982	563171.7	4234218	1.16E-02	1.97E-03	9.36E-03	1.53E-03	1.15E-03
1983	563162.2	4234217	1.20E-02	2.03E-03	9.68E-03	1.59E-03	1.18E-03
1984	563152.7	4234217	1.24E-02	2.11E-03	1.00E-02	1.64E-03	1.23E-03
1985	563143.2	4234216	1.29E-02	2.19E-03	1.04E-02	1.70E-03	1.27E-03
1986	563133.6	4234215	1.34E-02	2.27E-03	1.08E-02	1.77E-03	1.32E-03
1987	563124.1	4234214	1.40E-02	2.37E-03	1.13E-02	1.85E-03	1.38E-03
1988	563222.6	4234182	9.23E-03	1.57E-03	7.45E-03	1.22E-03	9.11E-04
1989	563213.1	4234181	9.41E-03	1.60E-03	7.60E-03	1.24E-03	9.29E-04
1990	563203.6	4234181	9.55E-03	1.62E-03	7.71E-03	1.26E-03	9.43E-04
1991	563194	4234180	9.70E-03	1.65E-03	7.84E-03	1.28E-03	9.58E-04
1992	563184.5	4234179	9.89E-03	1.68E-03	7.98E-03	1.31E-03	9.76E-04
1993	563175	4234178	1.02E-02	1.72E-03	8.20E-03	1.34E-03	1.00E-03
1994	563165.5	4234178	1.05E-02	1.78E-03	8.45E-03	1.38E-03	1.03E-03
1995	563156	4234177	1.08E-02	1.83E-03	8.72E-03	1.43E-03	1.07E-03
1996	563146.4	4234176	1.12E-02	1.90E-03	9.03E-03	1.48E-03	1.10E-03
1997	563136.9	4234175	1.16E-02	1.97E-03	9.36E-03	1.53E-03	1.14E-03
1998	563127.4	4234174	1.20E-02	2.04E-03	9.72E-03	1.59E-03	1.19E-03
1999	563225.9	4234142	8.22E-03	1.39E-03	6.63E-03	1.09E-03	8.12E-04
2000	563216.4	4234142	8.33E-03	1.41E-03	6.73E-03	1.10E-03	8.23E-04
2001	563206.8	4234141	8.46E-03	1.44E-03	6.83E-03	1.12E-03	8.36E-04
2002	563197.3	4234140	8.61E-03	1.46E-03	6.95E-03	1.14E-03	8.50E-04
2003	563187.8	4234139	8.78E-03	1.49E-03	7.09E-03	1.16E-03	8.67E-04
2004	563178.3	4234138	8.99E-03	1.52E-03	7.25E-03	1.19E-03	8.87E-04
2005	563168.8	4234138	9.23E-03	1.57E-03	7.45E-03	1.22E-03	9.12E-04
2006	563159.2	4234137	9.51E-03	1.61E-03	7.67E-03	1.26E-03	9.39E-04
2007	563149.7	4234136	9.81E-03	1.66E-03	7.92E-03	1.30E-03	9.69E-04
2008	563140.2	4234135	1.01E-02	1.72E-03	8.19E-03	1.34E-03	1.00E-03
2009	563130.7	4234135	1.05E-02	1.78E-03	8.48E-03	1.39E-03	1.04E-03
2010	563229.2	4234103	7.32E-03	1.24E-03	5.91E-03	9.68E-04	7.23E-04
2011	563219.6	4234102	7.42E-03	1.26E-03	5.99E-03	9.82E-04	7.33E-04
2012	563210.1	4234101	7.54E-03	1.28E-03	6.09E-03	9.98E-04	7.45E-04
2013	563200.6	4234100	7.69E-03	1.30E-03	6.21E-03	1.02E-03	7.59E-04
2014	563191.1	4234099	7.84E-03	1.33E-03	6.33E-03	1.04E-03	7.75E-04
2015	563181.6	4234099	8.02E-03	1.36E-03	6.48E-03	1.06E-03	7.92E-04
2016	563172	4234098	8.22E-03	1.39E-03	6.64E-03	1.09E-03	8.12E-04
2017	563162.5	4234097	8.44E-03	1.43E-03	6.82E-03	1.12E-03	8.34E-04
2018	563153	4234096	8.69E-03	1.47E-03	7.01E-03	1.15E-03	8.58E-04
2019	563143.5	4234095	8.96E-03	1.52E-03	7.23E-03	1.18E-03	8.85E-04
2020	563134	4234095	9.25E-03	1.57E-03	7.47E-03	1.22E-03	9.14E-04
2021	563232.5	4234063	6.63E-03	1.13E-03	5.36E-03	8.77E-04	6.55E-04
2022	563222.9	4234062	6.73E-03	1.14E-03	5.43E-03	8.90E-04	6.64E-04
2023	563213.4	4234061	6.83E-03	1.16E-03	5.51E-03	9.03E-04	6.74E-04

2024	563203.9	4234060	6.94E-03	1.18E-03	5.60E-03	9.18E-04	6.86E-04
2025	563194.4	4234060	7.07E-03	1.20E-03	5.71E-03	9.35E-04	6.98E-04
2026	563184.8	4234059	7.21E-03	1.22E-03	5.82E-03	9.54E-04	7.12E-04
2027	563175.3	4234058	7.38E-03	1.25E-03	5.95E-03	9.75E-04	7.28E-04
2028	563165.8	4234057	7.56E-03	1.28E-03	6.10E-03	9.99E-04	7.46E-04
2029	563156.3	4234056	7.76E-03	1.32E-03	6.26E-03	1.03E-03	7.66E-04
2030	563146.8	4234056	7.98E-03	1.35E-03	6.44E-03	1.06E-03	7.88E-04
2031	563137.2	4234055	8.23E-03	1.40E-03	6.64E-03	1.09E-03	8.12E-04
2032	563226.2	4234022	6.13E-03	1.04E-03	4.95E-03	8.11E-04	6.06E-04
2033	563216.7	4234021	6.22E-03	1.05E-03	5.02E-03	8.22E-04	6.14E-04
2034	563207.2	4234020	6.31E-03	1.07E-03	5.09E-03	8.34E-04	6.23E-04
2035	563197.6	4234020	6.41E-03	1.09E-03	5.18E-03	8.48E-04	6.33E-04
2036	563188.1	4234019	6.53E-03	1.11E-03	5.27E-03	8.64E-04	6.45E-04
2037	563178.6	4234018	6.66E-03	1.13E-03	5.38E-03	8.81E-04	6.58E-04
2038	563169.1	4234017	6.81E-03	1.16E-03	5.50E-03	9.01E-04	6.73E-04
2039	563159.6	4234017	6.98E-03	1.18E-03	5.64E-03	9.23E-04	6.90E-04
2040	563150	4234016	7.17E-03	1.22E-03	5.79E-03	9.48E-04	7.08E-04
2041	563140.5	4234015	7.37E-03	1.25E-03	5.95E-03	9.75E-04	7.28E-04
2042	563229.5	4233982	5.62E-03	9.54E-04	4.54E-03	7.44E-04	5.55E-04
2043	563220	4233981	5.69E-03	9.65E-04	4.59E-03	7.52E-04	5.62E-04
2044	563210.5	4233981	5.77E-03	9.78E-04	4.66E-03	7.62E-04	5.69E-04
2045	563200.9	4233980	5.85E-03	9.93E-04	4.72E-03	7.74E-04	5.78E-04
2046	563191.4	4233979	5.95E-03	1.01E-03	4.80E-03	7.87E-04	5.87E-04
2047	563181.9	4233978	6.06E-03	1.03E-03	4.89E-03	8.01E-04	5.98E-04
2048	563172.4	4233977	6.18E-03	1.05E-03	4.99E-03	8.18E-04	6.11E-04
2049	563162.8	4233977	6.32E-03	1.07E-03	5.11E-03	8.36E-04	6.24E-04
2050	563153.3	4233976	6.48E-03	1.10E-03	5.23E-03	8.57E-04	6.40E-04
2051	563143.8	4233975	6.65E-03	1.13E-03	5.37E-03	8.79E-04	6.57E-04
2052	563232.8	4233942	5.18E-03	8.79E-04	4.18E-03	6.85E-04	5.11E-04
2053	563223.3	4233941	5.23E-03	8.88E-04	4.22E-03	6.92E-04	5.17E-04
2054	563213.7	4233941	5.29E-03	8.98E-04	4.28E-03	7.00E-04	5.23E-04
2055	563204.2	4233940	5.37E-03	9.10E-04	4.33E-03	7.10E-04	5.30E-04
2056	563194.7	4233939	5.45E-03	9.24E-04	4.40E-03	7.20E-04	5.38E-04
2057	563185.2	4233938	5.54E-03	9.40E-04	4.47E-03	7.33E-04	5.47E-04
2058	563175.6	4233938	5.64E-03	9.58E-04	4.56E-03	7.46E-04	5.57E-04
2059	563166.1	4233937	5.76E-03	9.78E-04	4.65E-03	7.62E-04	5.69E-04
2060	563156.6	4233936	5.89E-03	1.00E-03	4.76E-03	7.79E-04	5.82E-04
2061	563147.1	4233935	6.04E-03	1.02E-03	4.87E-03	7.98E-04	5.96E-04
2062	563078.9	4234641	1.41E-01	2.40E-02	1.14E-01	1.87E-02	1.40E-02
2063	563078.1	4234651	1.46E-01	2.47E-02	1.18E-01	1.92E-02	1.44E-02
2064	563077.3	4234660	1.49E-01	2.52E-02	1.20E-01	1.96E-02	1.47E-02
2065	563076.5	4234669	1.50E-01	2.54E-02	1.21E-01	1.98E-02	1.48E-02
2066	563075.7	4234679	1.49E-01	2.53E-02	1.20E-01	1.97E-02	1.47E-02
2067	563074.9	4234688	1.47E-01	2.50E-02	1.19E-01	1.95E-02	1.46E-02
2068	563074.1	4234697	1.45E-01	2.47E-02	1.17E-01	1.92E-02	1.44E-02
2069	563073.3	4234707	1.44E-01	2.44E-02	1.16E-01	1.90E-02	1.42E-02
2070	563072.5	4234716	1.41E-01	2.40E-02	1.14E-01	1.87E-02	1.40E-02
2071	563071.7	4234725	1.39E-01	2.35E-02	1.12E-01	1.83E-02	1.37E-02
2072	563070.9	4234734	1.37E-01	2.32E-02	1.10E-01	1.81E-02	1.35E-02
2073	563070.1	4234744	1.35E-01	2.28E-02	1.09E-01	1.78E-02	1.33E-02
2074	563068.9	4234640	1.26E-01	2.14E-02	1.02E-01	1.67E-02	1.25E-02
2075	563068.1	4234650	1.29E-01	2.19E-02	1.04E-01	1.71E-02	1.28E-02

2076	563067.3	4234659	1.32E-01	2.23E-02	1.06E-01	1.74E-02	1.30E-02
2077	563066.5	4234668	1.33E-01	2.25E-02	1.07E-01	1.75E-02	1.31E-02
2078	563065.8	4234678	1.31E-01	2.22E-02	1.06E-01	1.73E-02	1.29E-02
2079	563065	4234687	1.29E-01	2.19E-02	1.04E-01	1.71E-02	1.28E-02
2080	563064.2	4234696	1.27E-01	2.15E-02	1.02E-01	1.68E-02	1.25E-02
2081	563063.4	4234706	1.24E-01	2.10E-02	1.00E-01	1.64E-02	1.22E-02
2082	563062.6	4234715	1.21E-01	2.05E-02	9.76E-02	1.60E-02	1.19E-02
2083	563061.8	4234724	1.18E-01	1.99E-02	9.49E-02	1.55E-02	1.16E-02
2084	563061	4234734	1.15E-01	1.96E-02	9.32E-02	1.53E-02	1.14E-02
2085	563060.2	4234743	1.14E-01	1.93E-02	9.18E-02	1.50E-02	1.12E-02
2086	563059	4234640	1.13E-01	1.92E-02	9.12E-02	1.49E-02	1.12E-02
2087	563058.2	4234649	1.15E-01	1.96E-02	9.31E-02	1.52E-02	1.14E-02
2088	563057.4	4234658	1.17E-01	1.98E-02	9.43E-02	1.54E-02	1.15E-02
2089	563056.6	4234668	1.18E-01	1.99E-02	9.49E-02	1.55E-02	1.16E-02
2090	563055.8	4234677	1.16E-01	1.97E-02	9.36E-02	1.53E-02	1.14E-02
2091	563055	4234686	1.14E-01	1.93E-02	9.19E-02	1.51E-02	1.12E-02
2092	563054.2	4234696	1.11E-01	1.89E-02	8.99E-02	1.47E-02	1.10E-02
2093	563053.4	4234705	1.08E-01	1.84E-02	8.76E-02	1.43E-02	1.07E-02
2094	563052.6	4234714	1.05E-01	1.79E-02	8.51E-02	1.39E-02	1.04E-02
2095	563051.8	4234723	1.02E-01	1.73E-02	8.24E-02	1.35E-02	1.01E-02
2096	563051	4234733	9.97E-02	1.69E-02	8.05E-02	1.32E-02	9.85E-03
2097	563050.2	4234742	9.78E-02	1.66E-02	7.90E-02	1.29E-02	9.66E-03
2098	563071.1	4234600	1.09E-01	1.85E-02	8.82E-02	1.44E-02	1.08E-02
2099	563049	4234639	1.01E-01	1.72E-02	8.18E-02	1.34E-02	1.00E-02
2100	563048.2	4234648	1.03E-01	1.75E-02	8.32E-02	1.36E-02	1.02E-02
2101	563047.4	4234657	1.04E-01	1.77E-02	8.41E-02	1.38E-02	1.03E-02
2102	563046.6	4234667	1.05E-01	1.77E-02	8.44E-02	1.38E-02	1.03E-02
2103	563045.8	4234676	1.03E-01	1.75E-02	8.31E-02	1.36E-02	1.02E-02
2104	563045	4234685	1.01E-01	1.71E-02	8.14E-02	1.33E-02	9.95E-03
2105	563044.2	4234695	9.83E-02	1.67E-02	7.93E-02	1.30E-02	9.70E-03
2106	563043.4	4234704	9.55E-02	1.62E-02	7.71E-02	1.26E-02	9.43E-03
2107	563042.6	4234713	9.25E-02	1.57E-02	7.47E-02	1.22E-02	9.14E-03
2108	563041.8	4234723	8.93E-02	1.52E-02	7.21E-02	1.18E-02	8.82E-03
2109	563041	4234732	8.69E-02	1.47E-02	7.02E-02	1.15E-02	8.58E-03
2110	563040.2	4234741	8.50E-02	1.44E-02	6.87E-02	1.12E-02	8.40E-03
2111	563064.7	4234592	1.00E-01	1.71E-02	8.11E-02	1.33E-02	9.93E-03
2112	563079.2	4234588	1.09E-01	1.85E-02	8.81E-02	1.44E-02	1.08E-02
2113	563039	4234638	9.11E-02	1.55E-02	7.36E-02	1.21E-02	9.00E-03
2114	563038.3	4234647	9.23E-02	1.57E-02	7.46E-02	1.22E-02	9.12E-03
2115	563037.5	4234657	9.30E-02	1.58E-02	7.51E-02	1.23E-02	9.19E-03
2116	563036.7	4234666	9.33E-02	1.58E-02	7.53E-02	1.23E-02	9.21E-03
2117	563035.9	4234675	9.17E-02	1.56E-02	7.40E-02	1.21E-02	9.05E-03
2118	563035.1	4234684	8.96E-02	1.52E-02	7.23E-02	1.18E-02	8.85E-03
2119	563034.3	4234694	8.72E-02	1.48E-02	7.04E-02	1.15E-02	8.61E-03
2120	563033.5	4234703	8.46E-02	1.44E-02	6.83E-02	1.12E-02	8.35E-03
2121	563032.7	4234712	8.18E-02	1.39E-02	6.60E-02	1.08E-02	8.08E-03
2122	563031.9	4234722	7.88E-02	1.34E-02	6.37E-02	1.04E-02	7.79E-03
2123	563031.1	4234731	7.64E-02	1.30E-02	6.17E-02	1.01E-02	7.55E-03
2124	563030.3	4234740	7.45E-02	1.26E-02	6.02E-02	9.85E-03	7.36E-03
2125	563046.7	4234595	8.77E-02	1.49E-02	7.08E-02	1.16E-02	8.67E-03
2126	563059.7	4234584	9.37E-02	1.59E-02	7.57E-02	1.24E-02	9.26E-03
2127	563068.4	4234581	9.87E-02	1.67E-02	7.97E-02	1.30E-02	9.75E-03

2128	563077.1	4234579	1.03E-01	1.75E-02	8.31E-02	1.36E-02	1.02E-02
2129	563085.9	4234576	1.06E-01	1.80E-02	8.55E-02	1.40E-02	1.05E-02
2130	563029.1	4234637	8.21E-02	1.39E-02	6.63E-02	1.09E-02	8.11E-03
2131	563028.3	4234646	8.30E-02	1.41E-02	6.70E-02	1.10E-02	8.19E-03
2132	563027.5	4234656	8.34E-02	1.42E-02	6.73E-02	1.10E-02	8.24E-03
2133	563026.7	4234665	8.35E-02	1.42E-02	6.74E-02	1.10E-02	8.24E-03
2134	563025.9	4234674	8.20E-02	1.39E-02	6.62E-02	1.08E-02	8.10E-03
2135	563025.1	4234684	8.00E-02	1.36E-02	6.46E-02	1.06E-02	7.90E-03
2136	563024.3	4234693	7.78E-02	1.32E-02	6.28E-02	1.03E-02	7.69E-03
2137	563023.5	4234702	7.54E-02	1.28E-02	6.09E-02	9.97E-03	7.45E-03
2138	563022.7	4234712	7.28E-02	1.24E-02	5.88E-02	9.63E-03	7.19E-03
2139	563021.9	4234721	7.02E-02	1.19E-02	5.67E-02	9.28E-03	6.93E-03
2140	563021.1	4234730	6.78E-02	1.15E-02	5.47E-02	8.96E-03	6.69E-03
2141	563020.3	4234740	6.57E-02	1.11E-02	5.30E-02	8.68E-03	6.49E-03
2142	563036.3	4234595	8.03E-02	1.36E-02	6.49E-02	1.06E-02	7.93E-03
2143	563053	4234577	8.68E-02	1.47E-02	7.01E-02	1.15E-02	8.57E-03
2144	563069.9	4234571	9.53E-02	1.62E-02	7.69E-02	1.26E-02	9.41E-03
2145	563019.1	4234636	7.41E-02	1.26E-02	5.99E-02	9.81E-03	7.32E-03
2146	563018.3	4234646	7.48E-02	1.27E-02	6.04E-02	9.89E-03	7.38E-03
2147	563017.5	4234655	7.50E-02	1.27E-02	6.06E-02	9.92E-03	7.41E-03
2148	563016.7	4234664	7.50E-02	1.27E-02	6.05E-02	9.91E-03	7.40E-03
2149	563015.9	4234673	7.37E-02	1.25E-02	5.95E-02	9.74E-03	7.28E-03
2150	563015.1	4234683	7.19E-02	1.22E-02	5.80E-02	9.50E-03	7.10E-03
2151	563014.3	4234692	6.98E-02	1.19E-02	5.64E-02	9.24E-03	6.90E-03
2152	563013.5	4234701	6.77E-02	1.15E-02	5.46E-02	8.95E-03	6.68E-03
2153	563012.7	4234711	6.54E-02	1.11E-02	5.28E-02	8.65E-03	6.46E-03
2154	563011.9	4234720	6.30E-02	1.07E-02	5.09E-02	8.33E-03	6.22E-03
2155	563011.1	4234729	6.07E-02	1.03E-02	4.90E-02	8.03E-03	6.00E-03
2156	563010.4	4234739	5.85E-02	9.93E-03	4.73E-02	7.74E-03	5.78E-03
2157	563030	4234587	7.46E-02	1.27E-02	6.02E-02	9.86E-03	7.37E-03
2158	563046.3	4234569	8.07E-02	1.37E-02	6.52E-02	1.07E-02	7.97E-03
2159	563063	4234564	8.86E-02	1.50E-02	7.15E-02	1.17E-02	8.75E-03
2160	563079.6	4234558	9.38E-02	1.59E-02	7.57E-02	1.24E-02	9.26E-03
2161	563009.2	4234635	6.72E-02	1.14E-02	5.43E-02	8.89E-03	6.64E-03
2162	563008.4	4234645	6.76E-02	1.15E-02	5.46E-02	8.94E-03	6.67E-03
2163	563007.6	4234654	6.77E-02	1.15E-02	5.47E-02	8.96E-03	6.69E-03
2164	563006.8	4234663	6.76E-02	1.15E-02	5.46E-02	8.94E-03	6.68E-03
2165	563006	4234673	6.65E-02	1.13E-02	5.37E-02	8.80E-03	6.57E-03
2166	563005.2	4234682	6.49E-02	1.10E-02	5.24E-02	8.58E-03	6.41E-03
2167	563004.4	4234691	6.31E-02	1.07E-02	5.09E-02	8.34E-03	6.23E-03
2168	563003.6	4234701	6.11E-02	1.04E-02	4.94E-02	8.08E-03	6.04E-03
2169	563002.8	4234710	5.91E-02	1.00E-02	4.77E-02	7.82E-03	5.84E-03
2170	563002	4234719	5.71E-02	9.68E-03	4.61E-02	7.55E-03	5.63E-03
2171	563001.2	4234729	5.50E-02	9.33E-03	4.44E-02	7.27E-03	5.43E-03
2172	563000.4	4234738	5.29E-02	8.98E-03	4.27E-02	7.00E-03	5.22E-03
2173	563019.7	4234587	6.84E-02	1.16E-02	5.52E-02	9.04E-03	6.75E-03
2174	563027.6	4234572	7.04E-02	1.20E-02	5.69E-02	9.31E-03	6.96E-03
2175	563039.8	4234561	7.53E-02	1.28E-02	6.08E-02	9.96E-03	7.44E-03
2176	563056.1	4234556	8.27E-02	1.40E-02	6.68E-02	1.09E-02	8.16E-03
2177	563072.5	4234551	8.79E-02	1.49E-02	7.10E-02	1.16E-02	8.68E-03
2178	562999.2	4234634	6.12E-02	1.04E-02	4.94E-02	8.09E-03	6.04E-03
2179	562998.4	4234644	6.12E-02	1.04E-02	4.94E-02	8.10E-03	6.05E-03

2180	562997.6	4234653	6.11E-02	1.04E-02	4.93E-02	8.08E-03	6.03E-03
2181	562996.8	4234662	6.07E-02	1.03E-02	4.90E-02	8.02E-03	5.99E-03
2182	562996	4234672	5.98E-02	1.01E-02	4.82E-02	7.90E-03	5.90E-03
2183	562995.2	4234681	5.85E-02	9.93E-03	4.72E-02	7.74E-03	5.78E-03
2184	562994.4	4234690	5.71E-02	9.70E-03	4.61E-02	7.56E-03	5.64E-03
2185	562993.6	4234700	5.56E-02	9.44E-03	4.49E-02	7.35E-03	5.49E-03
2186	562992.8	4234709	5.38E-02	9.14E-03	4.35E-02	7.12E-03	5.32E-03
2187	562992	4234718	5.20E-02	8.83E-03	4.20E-02	6.88E-03	5.14E-03
2188	562991.2	4234728	5.02E-02	8.53E-03	4.06E-02	6.64E-03	4.96E-03
2189	562990.4	4234737	4.84E-02	8.22E-03	3.91E-02	6.41E-03	4.78E-03
2190	563009.5	4234587	6.27E-02	1.06E-02	5.07E-02	8.30E-03	6.20E-03
2191	563017.3	4234572	6.48E-02	1.10E-02	5.24E-02	8.57E-03	6.40E-03
2192	563033.2	4234554	7.05E-02	1.20E-02	5.69E-02	9.32E-03	6.96E-03
2193	563049.4	4234549	7.74E-02	1.31E-02	6.25E-02	1.02E-02	7.64E-03
2194	563065.5	4234544	8.25E-02	1.40E-02	6.66E-02	1.09E-02	8.15E-03
2195	563081.7	4234538	8.47E-02	1.44E-02	6.84E-02	1.12E-02	8.36E-03
2196	562989.2	4234634	5.58E-02	9.47E-03	4.51E-02	7.38E-03	5.51E-03
2197	562988.4	4234643	5.56E-02	9.44E-03	4.49E-02	7.36E-03	5.49E-03
2198	562987.6	4234652	5.52E-02	9.37E-03	4.46E-02	7.30E-03	5.46E-03
2199	562986.8	4234662	5.46E-02	9.26E-03	4.41E-02	7.22E-03	5.39E-03
2200	562986	4234671	5.38E-02	9.13E-03	4.34E-02	7.11E-03	5.31E-03
2201	562985.2	4234680	5.30E-02	8.99E-03	4.28E-02	7.00E-03	5.23E-03
2202	562984.4	4234690	5.20E-02	8.83E-03	4.20E-02	6.88E-03	5.14E-03
2203	562983.6	4234699	5.09E-02	8.64E-03	4.11E-02	6.73E-03	5.03E-03
2204	562982.9	4234708	4.94E-02	8.38E-03	3.99E-02	6.53E-03	4.88E-03
2205	562982.1	4234718	4.78E-02	8.11E-03	3.86E-02	6.32E-03	4.72E-03
2206	562981.3	4234727	4.62E-02	7.85E-03	3.73E-02	6.12E-03	4.57E-03
2207	562980.5	4234736	4.47E-02	7.58E-03	3.61E-02	5.91E-03	4.41E-03
2208	562991.2	4234582	5.35E-02	9.07E-03	4.32E-02	7.07E-03	5.28E-03
2209	562995.4	4234574	5.45E-02	9.25E-03	4.40E-02	7.21E-03	5.39E-03
2210	562999.6	4234566	5.56E-02	9.44E-03	4.49E-02	7.36E-03	5.49E-03
2211	563003.8	4234557	5.67E-02	9.63E-03	4.58E-02	7.50E-03	5.60E-03
2212	563008	4234549	5.79E-02	9.82E-03	4.67E-02	7.65E-03	5.71E-03
2213	563020.9	4234538	6.24E-02	1.06E-02	5.04E-02	8.26E-03	6.17E-03
2214	563029.7	4234536	6.59E-02	1.12E-02	5.32E-02	8.71E-03	6.50E-03
2215	563038.4	4234533	6.91E-02	1.17E-02	5.58E-02	9.13E-03	6.82E-03
2216	563047.1	4234530	7.19E-02	1.22E-02	5.80E-02	9.50E-03	7.10E-03
2217	563055.9	4234527	7.41E-02	1.26E-02	5.98E-02	9.80E-03	7.32E-03
2218	563064.6	4234524	7.56E-02	1.28E-02	6.10E-02	1.00E-02	7.47E-03
2219	563073.3	4234522	7.63E-02	1.29E-02	6.16E-02	1.01E-02	7.53E-03
2220	563082	4234519	7.60E-02	1.29E-02	6.14E-02	1.01E-02	7.51E-03
2221	563090.8	4234516	7.49E-02	1.27E-02	6.05E-02	9.90E-03	7.40E-03
2222	562969.3	4234632	4.71E-02	7.99E-03	3.80E-02	6.22E-03	4.65E-03
2223	562968.5	4234641	4.67E-02	7.92E-03	3.77E-02	6.17E-03	4.61E-03
2224	562967.7	4234651	4.61E-02	7.83E-03	3.72E-02	6.10E-03	4.56E-03
2225	562966.9	4234660	4.54E-02	7.71E-03	3.67E-02	6.01E-03	4.49E-03
2226	562966.1	4234669	4.47E-02	7.59E-03	3.61E-02	5.91E-03	4.42E-03
2227	562965.3	4234679	4.42E-02	7.50E-03	3.57E-02	5.85E-03	4.37E-03
2228	562964.5	4234688	4.36E-02	7.39E-03	3.52E-02	5.76E-03	4.30E-03
2229	562963.7	4234697	4.28E-02	7.26E-03	3.46E-02	5.66E-03	4.23E-03
2230	562962.9	4234706	4.16E-02	7.06E-03	3.36E-02	5.50E-03	4.11E-03
2231	562962.1	4234716	4.04E-02	6.85E-03	3.26E-02	5.34E-03	3.99E-03

2232	562961.3	4234725	3.92E-02	6.64E-03	3.16E-02	5.18E-03	3.87E-03
2233	562960.5	4234734	3.79E-02	6.43E-03	3.06E-02	5.01E-03	3.74E-03
2234	562966.5	4234589	4.45E-02	7.54E-03	3.59E-02	5.88E-03	4.39E-03
2235	563007.8	4234523	5.55E-02	9.41E-03	4.48E-02	7.34E-03	5.48E-03
2236	563024.8	4234518	6.13E-02	1.04E-02	4.95E-02	8.11E-03	6.05E-03
2237	563033.2	4234515	6.39E-02	1.08E-02	5.16E-02	8.45E-03	6.31E-03
2238	563050.2	4234510	6.78E-02	1.15E-02	5.47E-02	8.96E-03	6.69E-03
2239	563067.2	4234504	6.93E-02	1.18E-02	5.59E-02	9.16E-03	6.84E-03
2240	563084.2	4234499	6.79E-02	1.15E-02	5.48E-02	8.98E-03	6.71E-03
2241	562949.4	4234630	4.03E-02	6.84E-03	3.26E-02	5.33E-03	3.98E-03
2242	562948.6	4234640	4.01E-02	6.80E-03	3.23E-02	5.30E-03	3.96E-03
2243	562947.8	4234649	3.97E-02	6.73E-03	3.20E-02	5.25E-03	3.92E-03
2244	562947	4234658	3.91E-02	6.64E-03	3.16E-02	5.18E-03	3.87E-03
2245	562946.2	4234668	3.85E-02	6.54E-03	3.11E-02	5.10E-03	3.81E-03
2246	562945.4	4234677	3.79E-02	6.43E-03	3.06E-02	5.01E-03	3.74E-03
2247	562944.6	4234686	3.71E-02	6.30E-03	3.00E-02	4.91E-03	3.67E-03
2248	562943.8	4234695	3.63E-02	6.16E-03	2.93E-02	4.80E-03	3.58E-03
2249	562943	4234705	3.54E-02	6.01E-03	2.86E-02	4.69E-03	3.50E-03
2250	562942.2	4234714	3.45E-02	5.86E-03	2.79E-02	4.57E-03	3.41E-03
2251	562941.4	4234723	3.36E-02	5.70E-03	2.71E-02	4.44E-03	3.32E-03
2252	562940.6	4234733	3.26E-02	5.54E-03	2.63E-02	4.32E-03	3.22E-03
2253	562950.3	4234580	3.89E-02	6.60E-03	3.14E-02	5.15E-03	3.84E-03
2254	562958.3	4234565	4.04E-02	6.85E-03	3.26E-02	5.34E-03	3.99E-03
2255	562966.3	4234549	4.20E-02	7.13E-03	3.39E-02	5.56E-03	4.15E-03
2256	562994.7	4234508	4.96E-02	8.42E-03	4.01E-02	6.56E-03	4.90E-03
2257	563011.3	4234503	5.48E-02	9.30E-03	4.42E-02	7.25E-03	5.41E-03
2258	563028	4234497	5.92E-02	1.01E-02	4.78E-02	7.83E-03	5.85E-03
2259	563044.6	4234492	6.23E-02	1.06E-02	5.03E-02	8.23E-03	6.15E-03
2260	563061.2	4234487	6.33E-02	1.07E-02	5.11E-02	8.37E-03	6.25E-03
2261	563077.8	4234481	6.18E-02	1.05E-02	4.99E-02	8.17E-03	6.10E-03
2262	562929.5	4234629	3.51E-02	5.96E-03	2.84E-02	4.65E-03	3.47E-03
2263	562928.7	4234638	3.50E-02	5.93E-03	2.82E-02	4.62E-03	3.45E-03
2264	562927.9	4234647	3.47E-02	5.89E-03	2.80E-02	4.59E-03	3.43E-03
2265	562927.1	4234656	3.43E-02	5.83E-03	2.77E-02	4.54E-03	3.39E-03
2266	562926.3	4234666	3.39E-02	5.75E-03	2.74E-02	4.48E-03	3.35E-03
2267	562925.5	4234675	3.34E-02	5.67E-03	2.70E-02	4.42E-03	3.30E-03
2268	562924.7	4234684	3.28E-02	5.57E-03	2.65E-02	4.34E-03	3.24E-03
2269	562923.9	4234694	3.22E-02	5.46E-03	2.60E-02	4.26E-03	3.18E-03
2270	562923.1	4234703	3.15E-02	5.35E-03	2.55E-02	4.17E-03	3.11E-03
2271	562922.3	4234712	3.08E-02	5.23E-03	2.49E-02	4.07E-03	3.04E-03
2272	562921.5	4234722	3.00E-02	5.10E-03	2.42E-02	3.97E-03	2.97E-03
2273	562920.7	4234731	2.92E-02	4.95E-03	2.36E-02	3.86E-03	2.88E-03
2274	562914.5	4234609	3.17E-02	5.37E-03	2.56E-02	4.19E-03	3.13E-03
2275	562918.7	4234601	3.22E-02	5.47E-03	2.60E-02	4.26E-03	3.18E-03
2276	562923	4234593	3.28E-02	5.57E-03	2.65E-02	4.34E-03	3.24E-03
2277	562927.2	4234585	3.34E-02	5.66E-03	2.70E-02	4.41E-03	3.30E-03
2278	562931.4	4234577	3.40E-02	5.76E-03	2.74E-02	4.49E-03	3.35E-03
2279	562935.6	4234569	3.45E-02	5.86E-03	2.79E-02	4.57E-03	3.41E-03
2280	562939.8	4234561	3.52E-02	5.97E-03	2.84E-02	4.65E-03	3.47E-03
2281	562944	4234552	3.58E-02	6.08E-03	2.89E-02	4.74E-03	3.54E-03
2282	562948.2	4234544	3.66E-02	6.21E-03	2.95E-02	4.84E-03	3.61E-03
2283	562952.4	4234536	3.74E-02	6.35E-03	3.02E-02	4.95E-03	3.69E-03

2284	562956.6	4234528	3.83E-02	6.50E-03	3.09E-02	5.07E-03	3.78E-03
2285	562960.8	4234520	3.93E-02	6.67E-03	3.17E-02	5.20E-03	3.88E-03
2286	562965.1	4234512	4.03E-02	6.83E-03	3.25E-02	5.32E-03	3.98E-03
2287	562969.3	4234504	4.13E-02	7.00E-03	3.33E-02	5.46E-03	4.08E-03
2288	562999.7	4234487	4.97E-02	8.44E-03	4.01E-02	6.58E-03	4.91E-03
2289	563008.4	4234484	5.19E-02	8.80E-03	4.19E-02	6.86E-03	5.12E-03
2290	563017.1	4234481	5.38E-02	9.13E-03	4.35E-02	7.12E-03	5.32E-03
2291	563025.9	4234479	5.56E-02	9.43E-03	4.49E-02	7.35E-03	5.49E-03
2292	563034.6	4234476	5.70E-02	9.67E-03	4.60E-02	7.54E-03	5.63E-03
2293	563043.3	4234473	5.78E-02	9.81E-03	4.67E-02	7.65E-03	5.71E-03
2294	563052	4234470	5.81E-02	9.86E-03	4.69E-02	7.69E-03	5.74E-03
2295	563060.8	4234467	5.79E-02	9.82E-03	4.67E-02	7.65E-03	5.72E-03
2296	563069.5	4234465	5.68E-02	9.64E-03	4.59E-02	7.52E-03	5.61E-03
2297	563078.2	4234462	5.51E-02	9.35E-03	4.45E-02	7.28E-03	5.44E-03
2298	563087	4234459	5.28E-02	8.96E-03	4.26E-02	6.98E-03	5.22E-03
2299	563095.7	4234456	5.01E-02	8.51E-03	4.05E-02	6.63E-03	4.95E-03
2300	562910.3	4234618	3.11E-02	5.27E-03	2.51E-02	4.11E-03	3.07E-03
2301	562909.5	4234627	3.11E-02	5.27E-03	2.51E-02	4.11E-03	3.07E-03
2302	562908.7	4234636	3.10E-02	5.26E-03	2.50E-02	4.10E-03	3.06E-03
2303	562907.9	4234645	3.08E-02	5.23E-03	2.49E-02	4.07E-03	3.04E-03
2304	562907.1	4234655	3.06E-02	5.19E-03	2.47E-02	4.04E-03	3.02E-03
2305	562906.3	4234664	3.03E-02	5.13E-03	2.44E-02	4.00E-03	2.99E-03
2306	562905.5	4234673	2.99E-02	5.07E-03	2.41E-02	3.95E-03	2.95E-03
2307	562904.7	4234683	2.94E-02	5.00E-03	2.38E-02	3.89E-03	2.91E-03
2308	562903.9	4234692	2.90E-02	4.91E-03	2.34E-02	3.83E-03	2.86E-03
2309	562903.1	4234701	2.84E-02	4.82E-03	2.29E-02	3.76E-03	2.80E-03
2310	562902.3	4234711	2.78E-02	4.71E-03	2.24E-02	3.67E-03	2.74E-03
2311	562901.5	4234720	2.71E-02	4.60E-03	2.19E-02	3.58E-03	2.68E-03
2312	562900.8	4234729	2.63E-02	4.47E-03	2.13E-02	3.48E-03	2.60E-03
2313	562894.5	4234608	2.82E-02	4.78E-03	2.28E-02	3.73E-03	2.78E-03
2314	562898.6	4234600	2.86E-02	4.85E-03	2.31E-02	3.78E-03	2.83E-03
2315	562902.8	4234592	2.90E-02	4.92E-03	2.34E-02	3.84E-03	2.86E-03
2316	562906.9	4234584	2.94E-02	4.99E-03	2.37E-02	3.89E-03	2.90E-03
2317	562911	4234576	2.98E-02	5.06E-03	2.41E-02	3.94E-03	2.94E-03
2318	562915.2	4234568	3.02E-02	5.13E-03	2.44E-02	4.00E-03	2.98E-03
2319	562919.3	4234560	3.07E-02	5.20E-03	2.48E-02	4.05E-03	3.03E-03
2320	562923.4	4234552	3.11E-02	5.28E-03	2.51E-02	4.12E-03	3.08E-03
2321	562927.5	4234544	3.17E-02	5.38E-03	2.56E-02	4.19E-03	3.13E-03
2322	562931.7	4234536	3.23E-02	5.48E-03	2.61E-02	4.27E-03	3.19E-03
2323	562935.8	4234528	3.30E-02	5.60E-03	2.66E-02	4.36E-03	3.26E-03
2324	562939.9	4234520	3.38E-02	5.73E-03	2.73E-02	4.47E-03	3.34E-03
2325	562944.1	4234512	3.45E-02	5.85E-03	2.78E-02	4.56E-03	3.41E-03
2326	562948.2	4234504	3.52E-02	5.97E-03	2.84E-02	4.65E-03	3.47E-03
2327	562952.3	4234496	3.60E-02	6.10E-03	2.90E-02	4.76E-03	3.55E-03
2328	562956.4	4234488	3.68E-02	6.25E-03	2.98E-02	4.87E-03	3.64E-03
2329	562969.1	4234477	4.01E-02	6.80E-03	3.24E-02	5.30E-03	3.96E-03
2330	562994.8	4234469	4.61E-02	7.83E-03	3.73E-02	6.10E-03	4.56E-03
2331	563011.9	4234464	4.96E-02	8.42E-03	4.01E-02	6.56E-03	4.90E-03
2332	563029	4234458	5.26E-02	8.93E-03	4.25E-02	6.96E-03	5.20E-03
2333	563046.2	4234453	5.34E-02	9.07E-03	4.31E-02	7.07E-03	5.28E-03
2334	563063.3	4234447	5.21E-02	8.84E-03	4.21E-02	6.89E-03	5.15E-03
2335	563080.4	4234442	4.87E-02	8.27E-03	3.93E-02	6.44E-03	4.81E-03

2336	563097.5	4234436	4.44E-02	7.53E-03	3.58E-02	5.87E-03	4.38E-03
2337	562890.4	4234616	2.78E-02	4.71E-03	2.24E-02	3.67E-03	2.74E-03
2338	562889.6	4234625	2.78E-02	4.72E-03	2.25E-02	3.68E-03	2.75E-03
2339	562888.8	4234634	2.78E-02	4.72E-03	2.25E-02	3.68E-03	2.75E-03
2340	562888	4234644	2.77E-02	4.70E-03	2.24E-02	3.67E-03	2.74E-03
2341	562887.2	4234653	2.76E-02	4.68E-03	2.23E-02	3.64E-03	2.72E-03
2342	562886.4	4234662	2.73E-02	4.64E-03	2.21E-02	3.62E-03	2.70E-03
2343	562885.6	4234672	2.70E-02	4.59E-03	2.18E-02	3.58E-03	2.67E-03
2344	562884.8	4234681	2.67E-02	4.53E-03	2.16E-02	3.53E-03	2.64E-03
2345	562884	4234690	2.63E-02	4.46E-03	2.12E-02	3.48E-03	2.60E-03
2346	562883.2	4234700	2.58E-02	4.38E-03	2.08E-02	3.41E-03	2.55E-03
2347	562882.4	4234709	2.52E-02	4.28E-03	2.04E-02	3.34E-03	2.49E-03
2348	562881.6	4234718	2.45E-02	4.16E-03	1.98E-02	3.24E-03	2.42E-03
2349	562880.8	4234728	2.37E-02	4.02E-03	1.91E-02	3.13E-03	2.34E-03
2350	562874.8	4234606	2.54E-02	4.32E-03	2.05E-02	3.36E-03	2.51E-03
2351	562879	4234598	2.57E-02	4.37E-03	2.08E-02	3.40E-03	2.54E-03
2352	562883.3	4234589	2.60E-02	4.41E-03	2.10E-02	3.44E-03	2.57E-03
2353	562887.6	4234581	2.63E-02	4.46E-03	2.12E-02	3.48E-03	2.60E-03
2354	562891.9	4234573	2.66E-02	4.51E-03	2.15E-02	3.51E-03	2.62E-03
2355	562896.2	4234564	2.69E-02	4.56E-03	2.17E-02	3.55E-03	2.65E-03
2356	562900.5	4234556	2.72E-02	4.62E-03	2.20E-02	3.60E-03	2.69E-03
2357	562904.8	4234548	2.76E-02	4.68E-03	2.23E-02	3.65E-03	2.72E-03
2358	562909.1	4234539	2.80E-02	4.75E-03	2.26E-02	3.70E-03	2.76E-03
2359	562913.4	4234531	2.85E-02	4.83E-03	2.30E-02	3.77E-03	2.81E-03
2360	562917.6	4234523	2.91E-02	4.93E-03	2.35E-02	3.84E-03	2.87E-03
2361	562921.9	4234515	2.97E-02	5.03E-03	2.40E-02	3.92E-03	2.93E-03
2362	562926.2	4234506	3.02E-02	5.12E-03	2.44E-02	3.99E-03	2.98E-03
2363	562930.5	4234498	3.07E-02	5.22E-03	2.48E-02	4.07E-03	3.04E-03
2364	562934.8	4234490	3.14E-02	5.32E-03	2.53E-02	4.15E-03	3.10E-03
2365	562939.1	4234481	3.22E-02	5.46E-03	2.60E-02	4.25E-03	3.18E-03
2366	562943.4	4234473	3.31E-02	5.61E-03	2.67E-02	4.37E-03	3.27E-03
2367	562956.6	4234462	3.60E-02	6.12E-03	2.91E-02	4.77E-03	3.56E-03
2368	562965.4	4234459	3.80E-02	6.45E-03	3.07E-02	5.03E-03	3.75E-03
2369	562992.1	4234451	4.35E-02	7.38E-03	3.51E-02	5.75E-03	4.30E-03
2370	563001	4234448	4.50E-02	7.64E-03	3.64E-02	5.96E-03	4.45E-03
2371	563009.9	4234445	4.65E-02	7.89E-03	3.76E-02	6.15E-03	4.59E-03
2372	563018.8	4234442	4.77E-02	8.10E-03	3.85E-02	6.31E-03	4.71E-03
2373	563027.7	4234439	4.85E-02	8.22E-03	3.91E-02	6.41E-03	4.79E-03
2374	563036.6	4234436	4.87E-02	8.26E-03	3.93E-02	6.44E-03	4.81E-03
2375	563045.5	4234434	4.84E-02	8.21E-03	3.91E-02	6.40E-03	4.78E-03
2376	563054.4	4234431	4.77E-02	8.09E-03	3.85E-02	6.31E-03	4.71E-03
2377	563063.3	4234428	4.66E-02	7.91E-03	3.76E-02	6.16E-03	4.60E-03
2378	563072.1	4234425	4.52E-02	7.67E-03	3.65E-02	5.98E-03	4.47E-03
2379	563081	4234422	4.36E-02	7.40E-03	3.52E-02	5.77E-03	4.31E-03
2380	563089.9	4234419	4.17E-02	7.08E-03	3.37E-02	5.52E-03	4.12E-03
2381	563098.8	4234416	3.95E-02	6.70E-03	3.19E-02	5.22E-03	3.90E-03
2382	562870.5	4234614	2.51E-02	4.26E-03	2.03E-02	3.32E-03	2.48E-03
2383	562869.7	4234623	2.52E-02	4.28E-03	2.04E-02	3.33E-03	2.49E-03
2384	562868.9	4234633	2.52E-02	4.28E-03	2.04E-02	3.34E-03	2.49E-03
2385	562868.1	4234642	2.52E-02	4.28E-03	2.03E-02	3.33E-03	2.49E-03
2386	562867.3	4234651	2.51E-02	4.26E-03	2.03E-02	3.32E-03	2.48E-03
2387	562866.5	4234661	2.49E-02	4.23E-03	2.01E-02	3.30E-03	2.46E-03

2388	562865.7	4234670	2.47E-02	4.19E-03	1.99E-02	3.27E-03	2.44E-03
2389	562864.9	4234679	2.44E-02	4.14E-03	1.97E-02	3.23E-03	2.41E-03
2390	562864.1	4234689	2.41E-02	4.08E-03	1.94E-02	3.18E-03	2.38E-03
2391	562863.3	4234698	2.35E-02	3.99E-03	1.90E-02	3.11E-03	2.32E-03
2392	562862.5	4234707	2.25E-02	3.82E-03	1.82E-02	2.98E-03	2.22E-03
2393	562861.7	4234717	2.15E-02	3.64E-03	1.73E-02	2.84E-03	2.12E-03
2394	562860.9	4234726	2.04E-02	3.46E-03	1.65E-02	2.69E-03	2.01E-03
2395	562854.7	4234604	2.32E-02	3.93E-03	1.87E-02	3.06E-03	2.29E-03
2396	562859	4234596	2.34E-02	3.96E-03	1.89E-02	3.09E-03	2.31E-03
2397	562863.2	4234588	2.35E-02	3.99E-03	1.90E-02	3.11E-03	2.32E-03
2398	562867.4	4234580	2.37E-02	4.02E-03	1.91E-02	3.14E-03	2.34E-03
2399	562871.6	4234572	2.39E-02	4.05E-03	1.93E-02	3.16E-03	2.36E-03
2400	562875.8	4234564	2.41E-02	4.09E-03	1.94E-02	3.18E-03	2.38E-03
2401	562880	4234555	2.43E-02	4.12E-03	1.96E-02	3.21E-03	2.40E-03
2402	562884.2	4234547	2.45E-02	4.16E-03	1.98E-02	3.24E-03	2.42E-03
2403	562888.4	4234539	2.48E-02	4.20E-03	2.00E-02	3.28E-03	2.45E-03
2404	562892.6	4234531	2.51E-02	4.26E-03	2.03E-02	3.32E-03	2.48E-03
2405	562896.9	4234523	2.55E-02	4.33E-03	2.06E-02	3.37E-03	2.52E-03
2406	562901.1	4234515	2.59E-02	4.40E-03	2.09E-02	3.43E-03	2.56E-03
2407	562905.3	4234507	2.63E-02	4.46E-03	2.12E-02	3.47E-03	2.59E-03
2408	562909.5	4234498	2.67E-02	4.53E-03	2.15E-02	3.53E-03	2.63E-03
2409	562913.7	4234490	2.72E-02	4.61E-03	2.19E-02	3.59E-03	2.68E-03
2410	562917.9	4234482	2.78E-02	4.72E-03	2.25E-02	3.68E-03	2.75E-03
2411	562922.1	4234474	2.86E-02	4.86E-03	2.31E-02	3.79E-03	2.83E-03
2412	562926.3	4234466	2.95E-02	5.00E-03	2.38E-02	3.90E-03	2.91E-03
2413	562930.5	4234458	3.03E-02	5.14E-03	2.45E-02	4.01E-03	2.99E-03
2414	562943.5	4234447	3.29E-02	5.58E-03	2.65E-02	4.35E-03	3.25E-03
2415	562952.2	4234444	3.46E-02	5.88E-03	2.80E-02	4.58E-03	3.42E-03
2416	562960.9	4234441	3.64E-02	6.18E-03	2.94E-02	4.81E-03	3.59E-03
2417	562987.1	4234433	4.12E-02	6.98E-03	3.32E-02	5.44E-03	4.07E-03
2418	562995.9	4234430	4.24E-02	7.20E-03	3.43E-02	5.61E-03	4.19E-03
2419	563004.6	4234427	4.35E-02	7.38E-03	3.51E-02	5.75E-03	4.30E-03
2420	563013.3	4234424	4.43E-02	7.51E-03	3.57E-02	5.85E-03	4.37E-03
2421	563022.1	4234422	4.47E-02	7.59E-03	3.61E-02	5.92E-03	4.42E-03
2422	563030.8	4234419	4.49E-02	7.62E-03	3.62E-02	5.94E-03	4.43E-03
2423	563039.5	4234416	4.47E-02	7.58E-03	3.61E-02	5.91E-03	4.41E-03
2424	563048.2	4234413	4.42E-02	7.49E-03	3.57E-02	5.84E-03	4.36E-03
2425	563057	4234410	4.33E-02	7.35E-03	3.50E-02	5.73E-03	4.28E-03
2426	563065.7	4234408	4.21E-02	7.15E-03	3.40E-02	5.57E-03	4.16E-03
2427	563074.4	4234405	4.07E-02	6.91E-03	3.29E-02	5.38E-03	4.02E-03
2428	563083.2	4234402	3.91E-02	6.63E-03	3.16E-02	5.17E-03	3.86E-03
2429	563091.9	4234399	3.73E-02	6.33E-03	3.01E-02	4.93E-03	3.68E-03
2430	563100.6	4234396	3.52E-02	5.96E-03	2.84E-02	4.65E-03	3.47E-03
2431	562850.5	4234612	2.29E-02	3.89E-03	1.85E-02	3.03E-03	2.27E-03
2432	562849.7	4234622	2.31E-02	3.91E-03	1.86E-02	3.05E-03	2.28E-03
2433	562848.9	4234631	2.31E-02	3.92E-03	1.87E-02	3.06E-03	2.28E-03
2434	562848.1	4234640	2.30E-02	3.91E-03	1.86E-02	3.05E-03	2.28E-03
2435	562847.3	4234650	2.28E-02	3.87E-03	1.84E-02	3.02E-03	2.25E-03
2436	562846.6	4234659	2.25E-02	3.82E-03	1.82E-02	2.98E-03	2.22E-03
2437	562845.8	4234668	2.21E-02	3.75E-03	1.79E-02	2.93E-03	2.19E-03
2438	562845	4234678	2.18E-02	3.70E-03	1.76E-02	2.89E-03	2.15E-03
2439	562844.2	4234687	2.14E-02	3.64E-03	1.73E-02	2.84E-03	2.12E-03

2440	562843.4	4234696	2.10E-02	3.56E-03	1.70E-02	2.78E-03	2.07E-03
2441	562842.6	4234706	2.01E-02	3.42E-03	1.63E-02	2.66E-03	1.99E-03
2442	562841.8	4234715	1.93E-02	3.27E-03	1.56E-02	2.55E-03	1.90E-03
2443	562841	4234724	1.84E-02	3.13E-03	1.49E-02	2.44E-03	1.82E-03
2444	562834.8	4234603	2.13E-02	3.61E-03	1.72E-02	2.81E-03	2.10E-03
2445	562838.9	4234595	2.14E-02	3.63E-03	1.73E-02	2.83E-03	2.11E-03
2446	562843.1	4234587	2.15E-02	3.65E-03	1.74E-02	2.85E-03	2.12E-03
2447	562847.2	4234579	2.16E-02	3.67E-03	1.75E-02	2.86E-03	2.13E-03
2448	562851.3	4234571	2.17E-02	3.68E-03	1.75E-02	2.87E-03	2.14E-03
2449	562855.5	4234563	2.18E-02	3.70E-03	1.76E-02	2.89E-03	2.15E-03
2450	562859.6	4234555	2.19E-02	3.72E-03	1.77E-02	2.90E-03	2.17E-03
2451	562863.8	4234547	2.21E-02	3.74E-03	1.78E-02	2.92E-03	2.18E-03
2452	562867.9	4234539	2.22E-02	3.77E-03	1.79E-02	2.94E-03	2.19E-03
2453	562872.1	4234530	2.24E-02	3.80E-03	1.81E-02	2.96E-03	2.21E-03
2454	562876.2	4234522	2.26E-02	3.84E-03	1.83E-02	2.99E-03	2.24E-03
2455	562880.4	4234514	2.29E-02	3.89E-03	1.85E-02	3.03E-03	2.26E-03
2456	562884.5	4234506	2.31E-02	3.92E-03	1.87E-02	3.06E-03	2.28E-03
2457	562888.7	4234498	2.34E-02	3.97E-03	1.89E-02	3.09E-03	2.31E-03
2458	562892.8	4234490	2.37E-02	4.03E-03	1.92E-02	3.14E-03	2.34E-03
2459	562897	4234482	2.42E-02	4.11E-03	1.96E-02	3.20E-03	2.39E-03
2460	562901.1	4234474	2.49E-02	4.22E-03	2.01E-02	3.29E-03	2.46E-03
2461	562905.3	4234466	2.56E-02	4.34E-03	2.07E-02	3.38E-03	2.53E-03
2462	562909.4	4234458	2.63E-02	4.47E-03	2.13E-02	3.48E-03	2.60E-03
2463	562913.5	4234450	2.71E-02	4.60E-03	2.19E-02	3.58E-03	2.68E-03
2464	562917.7	4234442	2.79E-02	4.73E-03	2.25E-02	3.69E-03	2.75E-03
2465	562930.4	4234432	3.02E-02	5.12E-03	2.44E-02	3.99E-03	2.98E-03
2466	562947.6	4234426	3.33E-02	5.66E-03	2.69E-02	4.41E-03	3.29E-03
2467	562982	4234415	3.90E-02	6.61E-03	3.15E-02	5.15E-03	3.85E-03
2468	562999.2	4234410	4.09E-02	6.94E-03	3.30E-02	5.41E-03	4.04E-03
2469	563007.8	4234407	4.15E-02	7.04E-03	3.35E-02	5.49E-03	4.10E-03
2470	563025	4234401	4.19E-02	7.11E-03	3.39E-02	5.54E-03	4.14E-03
2471	563042.2	4234396	4.12E-02	6.99E-03	3.33E-02	5.45E-03	4.07E-03
2472	563059.4	4234390	3.94E-02	6.68E-03	3.18E-02	5.21E-03	3.89E-03
2473	563076.6	4234385	3.67E-02	6.22E-03	2.96E-02	4.85E-03	3.62E-03
2474	563093.8	4234379	3.34E-02	5.67E-03	2.70E-02	4.42E-03	3.30E-03
2475	562830.6	4234611	2.11E-02	3.59E-03	1.71E-02	2.80E-03	2.09E-03
2476	562829.8	4234620	2.13E-02	3.61E-03	1.72E-02	2.81E-03	2.10E-03
2477	562829	4234629	2.13E-02	3.62E-03	1.72E-02	2.82E-03	2.11E-03
2478	562828.2	4234639	2.12E-02	3.60E-03	1.71E-02	2.80E-03	2.09E-03
2479	562827.4	4234648	2.06E-02	3.50E-03	1.66E-02	2.72E-03	2.03E-03
2480	562826.6	4234657	2.00E-02	3.39E-03	1.61E-02	2.64E-03	1.97E-03
2481	562825.8	4234667	1.93E-02	3.28E-03	1.56E-02	2.56E-03	1.91E-03
2482	562825	4234676	1.91E-02	3.24E-03	1.54E-02	2.52E-03	1.88E-03
2483	562824.2	4234685	1.88E-02	3.18E-03	1.52E-02	2.48E-03	1.85E-03
2484	562823.4	4234695	1.84E-02	3.12E-03	1.49E-02	2.43E-03	1.82E-03
2485	562822.6	4234704	1.80E-02	3.05E-03	1.45E-02	2.38E-03	1.78E-03
2486	562821.8	4234713	1.76E-02	2.98E-03	1.42E-02	2.32E-03	1.73E-03
2487	562821	4234722	1.71E-02	2.90E-03	1.38E-02	2.26E-03	1.69E-03
2488	562815	4234601	1.93E-02	3.27E-03	1.56E-02	2.55E-03	1.90E-03
2489	562819.2	4234592	1.96E-02	3.33E-03	1.59E-02	2.60E-03	1.94E-03
2490	562823.5	4234584	1.98E-02	3.37E-03	1.60E-02	2.62E-03	1.96E-03
2491	562827.8	4234576	1.99E-02	3.38E-03	1.61E-02	2.63E-03	1.96E-03

2492	562832	4234568	1.99E-02	3.38E-03	1.61E-02	2.64E-03	1.97E-03
2493	562836.3	4234559	2.00E-02	3.39E-03	1.61E-02	2.64E-03	1.97E-03
2494	562840.6	4234551	2.00E-02	3.40E-03	1.62E-02	2.65E-03	1.98E-03
2495	562844.9	4234543	2.01E-02	3.41E-03	1.62E-02	2.65E-03	1.98E-03
2496	562849.1	4234535	2.01E-02	3.42E-03	1.63E-02	2.66E-03	1.99E-03
2497	562853.4	4234526	2.03E-02	3.44E-03	1.64E-02	2.68E-03	2.00E-03
2498	562857.7	4234518	2.04E-02	3.47E-03	1.65E-02	2.70E-03	2.02E-03
2499	562861.9	4234510	2.05E-02	3.49E-03	1.66E-02	2.72E-03	2.03E-03
2500	562866.2	4234502	2.07E-02	3.51E-03	1.67E-02	2.73E-03	2.04E-03
2501	562870.5	4234493	2.09E-02	3.54E-03	1.68E-02	2.76E-03	2.06E-03
2502	562874.8	4234485	2.11E-02	3.59E-03	1.71E-02	2.80E-03	2.09E-03
2503	562879	4234477	2.16E-02	3.67E-03	1.75E-02	2.86E-03	2.14E-03
2504	562883.3	4234469	2.22E-02	3.77E-03	1.79E-02	2.94E-03	2.19E-03
2505	562887.6	4234460	2.28E-02	3.88E-03	1.84E-02	3.02E-03	2.26E-03
2506	562891.8	4234452	2.35E-02	3.99E-03	1.90E-02	3.11E-03	2.32E-03
2507	562896.1	4234444	2.42E-02	4.11E-03	1.96E-02	3.21E-03	2.39E-03
2508	562900.4	4234436	2.50E-02	4.24E-03	2.02E-02	3.30E-03	2.47E-03
2509	562904.7	4234427	2.57E-02	4.36E-03	2.07E-02	3.40E-03	2.54E-03
2510	562917.8	4234416	2.79E-02	4.73E-03	2.25E-02	3.69E-03	2.75E-03
2511	562926.6	4234413	2.94E-02	4.98E-03	2.37E-02	3.88E-03	2.90E-03
2512	562935.5	4234410	3.08E-02	5.23E-03	2.49E-02	4.08E-03	3.05E-03
2513	562944.4	4234408	3.23E-02	5.48E-03	2.61E-02	4.27E-03	3.19E-03
2514	562953.2	4234405	3.37E-02	5.72E-03	2.72E-02	4.46E-03	3.33E-03
2515	562979.8	4234396	3.73E-02	6.32E-03	3.01E-02	4.93E-03	3.68E-03
2516	562988.6	4234393	3.81E-02	6.47E-03	3.08E-02	5.04E-03	3.76E-03
2517	562997.5	4234391	3.88E-02	6.58E-03	3.13E-02	5.12E-03	3.83E-03
2518	563006.4	4234388	3.92E-02	6.64E-03	3.16E-02	5.18E-03	3.87E-03
2519	563015.2	4234385	3.93E-02	6.67E-03	3.17E-02	5.20E-03	3.88E-03
2520	563024.1	4234382	3.92E-02	6.65E-03	3.16E-02	5.18E-03	3.87E-03
2521	563032.9	4234379	3.88E-02	6.58E-03	3.13E-02	5.13E-03	3.83E-03
2522	563041.8	4234376	3.81E-02	6.46E-03	3.08E-02	5.04E-03	3.76E-03
2523	563050.6	4234374	3.72E-02	6.31E-03	3.00E-02	4.92E-03	3.67E-03
2524	563059.5	4234371	3.61E-02	6.12E-03	2.91E-02	4.77E-03	3.56E-03
2525	563068.4	4234368	3.48E-02	5.90E-03	2.81E-02	4.60E-03	3.43E-03
2526	563077.2	4234365	3.33E-02	5.65E-03	2.69E-02	4.40E-03	3.29E-03
2527	563086.1	4234362	3.17E-02	5.39E-03	2.56E-02	4.20E-03	3.14E-03
2528	563094.9	4234359	3.01E-02	5.11E-03	2.43E-02	3.98E-03	2.97E-03
2529	563103.8	4234357	2.82E-02	4.79E-03	2.28E-02	3.73E-03	2.79E-03
2530	562810.7	4234609	1.88E-02	3.20E-03	1.52E-02	2.49E-03	1.86E-03
2531	562809.9	4234618	1.89E-02	3.21E-03	1.53E-02	2.50E-03	1.87E-03
2532	562809.1	4234628	1.89E-02	3.21E-03	1.53E-02	2.50E-03	1.87E-03
2533	562808.3	4234637	1.89E-02	3.21E-03	1.53E-02	2.50E-03	1.87E-03
2534	562807.5	4234646	1.86E-02	3.15E-03	1.50E-02	2.46E-03	1.84E-03
2535	562806.7	4234656	1.83E-02	3.10E-03	1.47E-02	2.41E-03	1.80E-03
2536	562805.9	4234665	1.79E-02	3.04E-03	1.45E-02	2.37E-03	1.77E-03
2537	562805.1	4234674	1.77E-02	3.00E-03	1.43E-02	2.34E-03	1.75E-03
2538	562804.3	4234684	1.74E-02	2.96E-03	1.41E-02	2.30E-03	1.72E-03
2539	562803.5	4234693	1.71E-02	2.90E-03	1.38E-02	2.26E-03	1.69E-03
2540	562802.7	4234702	1.69E-02	2.86E-03	1.36E-02	2.23E-03	1.67E-03
2541	562801.9	4234711	1.67E-02	2.84E-03	1.35E-02	2.21E-03	1.65E-03
2542	562801.1	4234721	1.65E-02	2.81E-03	1.34E-02	2.19E-03	1.63E-03
2543	562795	4234599	1.72E-02	2.92E-03	1.39E-02	2.28E-03	1.70E-03

2544	562799.2	4234591	1.77E-02	3.01E-03	1.43E-02	2.35E-03	1.75E-03
2545	562803.4	4234583	1.82E-02	3.08E-03	1.47E-02	2.40E-03	1.79E-03
2546	562807.6	4234575	1.84E-02	3.12E-03	1.49E-02	2.44E-03	1.82E-03
2547	562811.8	4234567	1.84E-02	3.12E-03	1.48E-02	2.43E-03	1.81E-03
2548	562816	4234558	1.83E-02	3.11E-03	1.48E-02	2.43E-03	1.81E-03
2549	562820.2	4234550	1.84E-02	3.12E-03	1.48E-02	2.43E-03	1.81E-03
2550	562824.4	4234542	1.84E-02	3.12E-03	1.48E-02	2.43E-03	1.81E-03
2551	562828.7	4234534	1.83E-02	3.10E-03	1.48E-02	2.42E-03	1.80E-03
2552	562832.9	4234526	1.82E-02	3.10E-03	1.47E-02	2.41E-03	1.80E-03
2553	562837.1	4234518	1.83E-02	3.10E-03	1.48E-02	2.42E-03	1.81E-03
2554	562841.3	4234510	1.84E-02	3.12E-03	1.48E-02	2.43E-03	1.82E-03
2555	562845.5	4234501	1.85E-02	3.14E-03	1.49E-02	2.45E-03	1.83E-03
2556	562849.7	4234493	1.86E-02	3.16E-03	1.50E-02	2.46E-03	1.84E-03
2557	562853.9	4234485	1.88E-02	3.19E-03	1.52E-02	2.49E-03	1.86E-03
2558	562858.1	4234477	1.92E-02	3.25E-03	1.55E-02	2.53E-03	1.89E-03
2559	562862.3	4234469	1.96E-02	3.32E-03	1.58E-02	2.59E-03	1.93E-03
2560	562866.5	4234461	2.01E-02	3.41E-03	1.62E-02	2.65E-03	1.98E-03
2561	562870.8	4234453	2.06E-02	3.50E-03	1.66E-02	2.73E-03	2.04E-03
2562	562875	4234444	2.12E-02	3.60E-03	1.71E-02	2.80E-03	2.09E-03
2563	562879.2	4234436	2.18E-02	3.70E-03	1.76E-02	2.89E-03	2.16E-03
2564	562883.4	4234428	2.25E-02	3.81E-03	1.81E-02	2.97E-03	2.22E-03
2565	562887.6	4234420	2.31E-02	3.93E-03	1.87E-02	3.06E-03	2.29E-03
2566	562891.8	4234412	2.38E-02	4.04E-03	1.92E-02	3.15E-03	2.35E-03
2567	562904.8	4234401	2.58E-02	4.37E-03	2.08E-02	3.41E-03	2.54E-03
2568	562913.5	4234398	2.71E-02	4.60E-03	2.19E-02	3.58E-03	2.68E-03
2569	562922.2	4234395	2.84E-02	4.82E-03	2.30E-02	3.76E-03	2.81E-03
2570	562930.9	4234393	2.98E-02	5.05E-03	2.40E-02	3.93E-03	2.94E-03
2571	562939.7	4234390	3.10E-02	5.27E-03	2.51E-02	4.10E-03	3.07E-03
2572	562948.4	4234387	3.23E-02	5.47E-03	2.61E-02	4.27E-03	3.19E-03
2573	562957.1	4234384	3.34E-02	5.67E-03	2.70E-02	4.42E-03	3.30E-03
2574	562983.3	4234376	3.60E-02	6.11E-03	2.91E-02	4.76E-03	3.56E-03
2575	562992.1	4234373	3.65E-02	6.20E-03	2.95E-02	4.83E-03	3.61E-03
2576	563000.8	4234370	3.68E-02	6.25E-03	2.97E-02	4.87E-03	3.64E-03
2577	563009.5	4234367	3.69E-02	6.26E-03	2.98E-02	4.88E-03	3.65E-03
2578	563018.2	4234365	3.68E-02	6.24E-03	2.97E-02	4.86E-03	3.63E-03
2579	563027	4234362	3.64E-02	6.17E-03	2.94E-02	4.81E-03	3.59E-03
2580	563035.7	4234359	3.58E-02	6.07E-03	2.89E-02	4.73E-03	3.53E-03
2581	563044.4	4234356	3.49E-02	5.93E-03	2.82E-02	4.62E-03	3.45E-03
2582	563053.2	4234353	3.39E-02	5.76E-03	2.74E-02	4.49E-03	3.35E-03
2583	563061.9	4234351	3.28E-02	5.56E-03	2.65E-02	4.33E-03	3.24E-03
2584	563070.6	4234348	3.15E-02	5.34E-03	2.54E-02	4.16E-03	3.11E-03
2585	563079.4	4234345	3.01E-02	5.10E-03	2.43E-02	3.98E-03	2.97E-03
2586	563088.1	4234342	2.86E-02	4.86E-03	2.31E-02	3.78E-03	2.83E-03
2587	563096.8	4234339	2.71E-02	4.59E-03	2.19E-02	3.58E-03	2.67E-03
2588	563105.5	4234337	2.54E-02	4.31E-03	2.05E-02	3.36E-03	2.51E-03
2589	562790.8	4234607	1.68E-02	2.85E-03	1.36E-02	2.22E-03	1.66E-03
2590	562790	4234617	1.69E-02	2.87E-03	1.37E-02	2.24E-03	1.67E-03
2591	562789.2	4234626	1.70E-02	2.88E-03	1.37E-02	2.24E-03	1.68E-03
2592	562788.4	4234635	1.70E-02	2.88E-03	1.37E-02	2.25E-03	1.68E-03
2593	562787.6	4234645	1.70E-02	2.89E-03	1.37E-02	2.25E-03	1.68E-03
2594	562786.8	4234654	1.70E-02	2.89E-03	1.38E-02	2.25E-03	1.68E-03
2595	562786	4234663	1.70E-02	2.89E-03	1.37E-02	2.25E-03	1.68E-03

2596	562785.2	4234672	1.69E-02	2.86E-03	1.36E-02	2.23E-03	1.67E-03
2597	562784.4	4234682	1.66E-02	2.82E-03	1.34E-02	2.20E-03	1.64E-03
2598	562783.6	4234691	1.63E-02	2.77E-03	1.32E-02	2.16E-03	1.61E-03
2599	562782.8	4234700	1.61E-02	2.73E-03	1.30E-02	2.13E-03	1.59E-03
2600	562782	4234710	1.59E-02	2.70E-03	1.29E-02	2.11E-03	1.57E-03
2601	562781.2	4234719	1.57E-02	2.66E-03	1.27E-02	2.08E-03	1.55E-03
2602	562755.2	4234596	1.49E-02	2.53E-03	1.20E-02	1.97E-03	1.47E-03
2603	562759.4	4234587	1.49E-02	2.53E-03	1.20E-02	1.97E-03	1.47E-03
2604	562763.7	4234579	1.49E-02	2.53E-03	1.20E-02	1.97E-03	1.47E-03
2605	562767.9	4234571	1.50E-02	2.55E-03	1.21E-02	1.98E-03	1.48E-03
2606	562772.2	4234563	1.51E-02	2.56E-03	1.22E-02	1.99E-03	1.49E-03
2607	562776.5	4234554	1.51E-02	2.57E-03	1.22E-02	2.00E-03	1.49E-03
2608	562780.7	4234546	1.51E-02	2.57E-03	1.22E-02	2.00E-03	1.50E-03
2609	562785	4234538	1.53E-02	2.59E-03	1.23E-02	2.02E-03	1.51E-03
2610	562789.2	4234530	1.53E-02	2.60E-03	1.24E-02	2.03E-03	1.51E-03
2611	562793.5	4234521	1.54E-02	2.60E-03	1.24E-02	2.03E-03	1.52E-03
2612	562797.8	4234513	1.53E-02	2.60E-03	1.24E-02	2.03E-03	1.51E-03
2613	562802	4234505	1.53E-02	2.60E-03	1.24E-02	2.02E-03	1.51E-03
2614	562806.3	4234497	1.53E-02	2.60E-03	1.24E-02	2.03E-03	1.51E-03
2615	562810.6	4234489	1.54E-02	2.61E-03	1.24E-02	2.04E-03	1.52E-03
2616	562814.8	4234480	1.55E-02	2.63E-03	1.25E-02	2.05E-03	1.53E-03
2617	562819.1	4234472	1.57E-02	2.66E-03	1.26E-02	2.07E-03	1.55E-03
2618	562823.3	4234464	1.59E-02	2.70E-03	1.28E-02	2.10E-03	1.57E-03
2619	562827.6	4234456	1.62E-02	2.74E-03	1.30E-02	2.14E-03	1.60E-03
2620	562831.9	4234447	1.65E-02	2.80E-03	1.33E-02	2.18E-03	1.63E-03
2621	562836.1	4234439	1.69E-02	2.87E-03	1.36E-02	2.23E-03	1.67E-03
2622	562840.4	4234431	1.73E-02	2.94E-03	1.40E-02	2.29E-03	1.71E-03
2623	562844.6	4234423	1.78E-02	3.02E-03	1.44E-02	2.36E-03	1.76E-03
2624	562848.9	4234414	1.83E-02	3.11E-03	1.48E-02	2.42E-03	1.81E-03
2625	562853.2	4234406	1.89E-02	3.20E-03	1.52E-02	2.50E-03	1.86E-03
2626	562857.4	4234398	1.94E-02	3.30E-03	1.57E-02	2.57E-03	1.92E-03
2627	562861.7	4234390	2.00E-02	3.40E-03	1.62E-02	2.65E-03	1.98E-03
2628	562865.9	4234381	2.06E-02	3.50E-03	1.66E-02	2.72E-03	2.03E-03
2629	562879	4234370	2.23E-02	3.78E-03	1.80E-02	2.94E-03	2.20E-03
2630	562887.9	4234368	2.34E-02	3.97E-03	1.89E-02	3.09E-03	2.31E-03
2631	562896.7	4234365	2.45E-02	4.16E-03	1.98E-02	3.24E-03	2.42E-03
2632	562905.5	4234362	2.57E-02	4.35E-03	2.07E-02	3.39E-03	2.53E-03
2633	562914.4	4234359	2.68E-02	4.54E-03	2.16E-02	3.54E-03	2.64E-03
2634	562923.2	4234356	2.78E-02	4.73E-03	2.25E-02	3.68E-03	2.75E-03
2635	562932	4234353	2.89E-02	4.90E-03	2.33E-02	3.82E-03	2.85E-03
2636	562940.9	4234351	2.98E-02	5.06E-03	2.41E-02	3.94E-03	2.95E-03
2637	562949.7	4234348	3.07E-02	5.21E-03	2.48E-02	4.06E-03	3.03E-03
2638	562985	4234336	3.27E-02	5.55E-03	2.64E-02	4.33E-03	3.23E-03
2639	562993.9	4234334	3.28E-02	5.57E-03	2.65E-02	4.34E-03	3.24E-03
2640	563002.7	4234331	3.27E-02	5.55E-03	2.64E-02	4.33E-03	3.23E-03
2641	563011.5	4234328	3.24E-02	5.50E-03	2.62E-02	4.29E-03	3.20E-03
2642	563020.4	4234325	3.20E-02	5.42E-03	2.58E-02	4.23E-03	3.16E-03
2643	563029.2	4234322	3.13E-02	5.31E-03	2.53E-02	4.14E-03	3.09E-03
2644	563038	4234319	3.05E-02	5.17E-03	2.46E-02	4.03E-03	3.01E-03
2645	563046.9	4234317	2.95E-02	5.01E-03	2.39E-02	3.91E-03	2.92E-03
2646	563055.7	4234314	2.85E-02	4.83E-03	2.30E-02	3.77E-03	2.81E-03
2647	563064.6	4234311	2.73E-02	4.64E-03	2.21E-02	3.61E-03	2.70E-03

2648	563073.4	4234308	2.61E-02	4.43E-03	2.11E-02	3.45E-03	2.58E-03
2649	563082.2	4234305	2.49E-02	4.22E-03	2.01E-02	3.29E-03	2.46E-03
2650	563091.1	4234302	2.36E-02	4.01E-03	1.91E-02	3.12E-03	2.33E-03
2651	563099.9	4234300	2.23E-02	3.78E-03	1.80E-02	2.94E-03	2.20E-03
2652	563108.7	4234297	2.09E-02	3.55E-03	1.69E-02	2.76E-03	2.06E-03
2653	562750.9	4234604	1.49E-02	2.52E-03	1.20E-02	1.96E-03	1.47E-03
2654	562750.1	4234613	1.50E-02	2.55E-03	1.21E-02	1.99E-03	1.48E-03
2655	562749.3	4234622	1.52E-02	2.58E-03	1.23E-02	2.01E-03	1.50E-03
2656	562748.5	4234632	1.53E-02	2.60E-03	1.24E-02	2.03E-03	1.51E-03
2657	562747.7	4234641	1.55E-02	2.62E-03	1.25E-02	2.04E-03	1.53E-03
2658	562746.9	4234650	1.55E-02	2.64E-03	1.25E-02	2.05E-03	1.53E-03
2659	562746.1	4234660	1.56E-02	2.64E-03	1.26E-02	2.06E-03	1.54E-03
2660	562745.3	4234669	1.54E-02	2.62E-03	1.25E-02	2.04E-03	1.52E-03
2661	562744.5	4234678	1.51E-02	2.57E-03	1.22E-02	2.00E-03	1.50E-03
2662	562743.7	4234688	1.48E-02	2.51E-03	1.20E-02	1.96E-03	1.46E-03
2663	562742.9	4234697	1.44E-02	2.45E-03	1.16E-02	1.91E-03	1.42E-03
2664	562742.1	4234706	1.40E-02	2.37E-03	1.13E-02	1.85E-03	1.38E-03
2665	562741.3	4234716	1.35E-02	2.29E-03	1.09E-02	1.79E-03	1.34E-03
2666	562715.2	4234592	1.36E-02	2.30E-03	1.09E-02	1.79E-03	1.34E-03
2667	562719.4	4234584	1.34E-02	2.28E-03	1.08E-02	1.78E-03	1.33E-03
2668	562723.5	4234576	1.33E-02	2.26E-03	1.08E-02	1.76E-03	1.32E-03
2669	562727.7	4234568	1.33E-02	2.25E-03	1.07E-02	1.76E-03	1.31E-03
2670	562731.9	4234560	1.32E-02	2.24E-03	1.07E-02	1.75E-03	1.31E-03
2671	562736	4234552	1.32E-02	2.23E-03	1.06E-02	1.74E-03	1.30E-03
2672	562740.2	4234544	1.31E-02	2.23E-03	1.06E-02	1.74E-03	1.30E-03
2673	562744.4	4234536	1.32E-02	2.24E-03	1.07E-02	1.75E-03	1.31E-03
2674	562748.5	4234528	1.33E-02	2.26E-03	1.08E-02	1.76E-03	1.31E-03
2675	562752.7	4234520	1.34E-02	2.28E-03	1.08E-02	1.77E-03	1.33E-03
2676	562756.9	4234512	1.34E-02	2.28E-03	1.08E-02	1.77E-03	1.33E-03
2677	562761	4234504	1.33E-02	2.26E-03	1.08E-02	1.76E-03	1.32E-03
2678	562765.2	4234496	1.33E-02	2.25E-03	1.07E-02	1.76E-03	1.31E-03
2679	562769.4	4234488	1.32E-02	2.24E-03	1.07E-02	1.75E-03	1.31E-03
2680	562773.6	4234480	1.32E-02	2.24E-03	1.07E-02	1.75E-03	1.30E-03
2681	562777.7	4234472	1.32E-02	2.24E-03	1.07E-02	1.75E-03	1.31E-03
2682	562781.9	4234463	1.33E-02	2.25E-03	1.07E-02	1.75E-03	1.31E-03
2683	562786.1	4234455	1.34E-02	2.27E-03	1.08E-02	1.77E-03	1.32E-03
2684	562790.2	4234447	1.35E-02	2.29E-03	1.09E-02	1.78E-03	1.33E-03
2685	562794.4	4234439	1.37E-02	2.32E-03	1.10E-02	1.81E-03	1.35E-03
2686	562798.6	4234431	1.39E-02	2.36E-03	1.12E-02	1.84E-03	1.37E-03
2687	562802.7	4234423	1.42E-02	2.41E-03	1.15E-02	1.88E-03	1.40E-03
2688	562806.9	4234415	1.45E-02	2.46E-03	1.17E-02	1.92E-03	1.43E-03
2689	562811.1	4234407	1.49E-02	2.52E-03	1.20E-02	1.97E-03	1.47E-03
2690	562815.2	4234399	1.53E-02	2.59E-03	1.23E-02	2.02E-03	1.51E-03
2691	562819.4	4234391	1.57E-02	2.66E-03	1.27E-02	2.08E-03	1.55E-03
2692	562823.6	4234383	1.61E-02	2.74E-03	1.30E-02	2.13E-03	1.59E-03
2693	562827.7	4234375	1.66E-02	2.82E-03	1.34E-02	2.20E-03	1.64E-03
2694	562831.9	4234367	1.71E-02	2.90E-03	1.38E-02	2.26E-03	1.69E-03
2695	562836.1	4234359	1.76E-02	2.98E-03	1.42E-02	2.32E-03	1.73E-03
2696	562840.2	4234351	1.80E-02	3.06E-03	1.46E-02	2.39E-03	1.78E-03
2697	562853	4234340	1.94E-02	3.29E-03	1.57E-02	2.57E-03	1.92E-03
2698	562861.7	4234337	2.03E-02	3.45E-03	1.64E-02	2.69E-03	2.01E-03
2699	562878.9	4234332	2.22E-02	3.77E-03	1.79E-02	2.94E-03	2.19E-03

2700	562896.2	4234326	2.41E-02	4.08E-03	1.94E-02	3.18E-03	2.38E-03
2701	562904.9	4234323	2.50E-02	4.24E-03	2.02E-02	3.30E-03	2.47E-03
2702	562913.5	4234320	2.58E-02	4.38E-03	2.08E-02	3.41E-03	2.55E-03
2703	562922.1	4234318	2.66E-02	4.52E-03	2.15E-02	3.52E-03	2.63E-03
2704	562939.4	4234312	2.80E-02	4.75E-03	2.26E-02	3.70E-03	2.76E-03
2705	562956.7	4234307	2.90E-02	4.91E-03	2.34E-02	3.83E-03	2.86E-03
2706	562991.2	4234296	2.93E-02	4.97E-03	2.36E-02	3.87E-03	2.89E-03
2707	563008.5	4234290	2.86E-02	4.85E-03	2.31E-02	3.78E-03	2.82E-03
2708	563017.2	4234287	2.80E-02	4.76E-03	2.26E-02	3.71E-03	2.77E-03
2709	563025.8	4234285	2.74E-02	4.64E-03	2.21E-02	3.62E-03	2.70E-03
2710	563043.1	4234279	2.57E-02	4.36E-03	2.08E-02	3.40E-03	2.54E-03
2711	563060.4	4234273	2.38E-02	4.03E-03	1.92E-02	3.14E-03	2.35E-03
2712	563069	4234271	2.27E-02	3.86E-03	1.83E-02	3.00E-03	2.24E-03
2713	563086.3	4234265	2.05E-02	3.48E-03	1.66E-02	2.71E-03	2.03E-03
2714	563094.9	4234262	1.94E-02	3.29E-03	1.57E-02	2.57E-03	1.92E-03
2715	563103.6	4234260	1.83E-02	3.11E-03	1.48E-02	2.42E-03	1.81E-03
2716	562711	4234600	1.37E-02	2.33E-03	1.11E-02	1.81E-03	1.35E-03
2717	562710.3	4234610	1.39E-02	2.36E-03	1.12E-02	1.84E-03	1.37E-03
2718	562709.5	4234619	1.40E-02	2.38E-03	1.13E-02	1.85E-03	1.38E-03
2719	562708.7	4234628	1.40E-02	2.38E-03	1.13E-02	1.86E-03	1.39E-03
2720	562707.9	4234638	1.40E-02	2.37E-03	1.13E-02	1.85E-03	1.38E-03
2721	562707.1	4234647	1.39E-02	2.35E-03	1.12E-02	1.83E-03	1.37E-03
2722	562706.3	4234656	1.37E-02	2.33E-03	1.11E-02	1.81E-03	1.35E-03
2723	562705.5	4234666	1.35E-02	2.29E-03	1.09E-02	1.78E-03	1.33E-03
2724	562704.7	4234675	1.32E-02	2.24E-03	1.07E-02	1.75E-03	1.31E-03
2725	562703.9	4234684	1.29E-02	2.19E-03	1.04E-02	1.71E-03	1.28E-03
2726	562703.1	4234694	1.26E-02	2.13E-03	1.02E-02	1.66E-03	1.24E-03
2727	562702.3	4234703	1.22E-02	2.07E-03	9.85E-03	1.61E-03	1.20E-03
2728	562701.5	4234712	1.18E-02	2.00E-03	9.53E-03	1.56E-03	1.17E-03
2729	562675.4	4234589	1.21E-02	2.05E-03	9.74E-03	1.60E-03	1.19E-03
2730	562679.6	4234581	1.21E-02	2.05E-03	9.76E-03	1.60E-03	1.19E-03
2731	562683.8	4234573	1.21E-02	2.05E-03	9.73E-03	1.59E-03	1.19E-03
2732	562688	4234564	1.20E-02	2.04E-03	9.70E-03	1.59E-03	1.19E-03
2733	562692.2	4234556	1.20E-02	2.03E-03	9.66E-03	1.58E-03	1.18E-03
2734	562696.5	4234548	1.19E-02	2.02E-03	9.60E-03	1.57E-03	1.17E-03
2735	562700.7	4234540	1.18E-02	2.00E-03	9.53E-03	1.56E-03	1.17E-03
2736	562704.9	4234532	1.17E-02	1.99E-03	9.47E-03	1.55E-03	1.16E-03
2737	562709.1	4234524	1.17E-02	1.98E-03	9.44E-03	1.55E-03	1.15E-03
2738	562713.3	4234516	1.17E-02	1.98E-03	9.44E-03	1.55E-03	1.16E-03
2739	562717.5	4234507	1.17E-02	1.98E-03	9.43E-03	1.54E-03	1.15E-03
2740	562721.7	4234499	1.16E-02	1.98E-03	9.41E-03	1.54E-03	1.15E-03
2741	562725.9	4234491	1.16E-02	1.97E-03	9.39E-03	1.54E-03	1.15E-03
2742	562730.1	4234483	1.16E-02	1.97E-03	9.38E-03	1.54E-03	1.15E-03
2743	562734.4	4234475	1.16E-02	1.97E-03	9.37E-03	1.54E-03	1.15E-03
2744	562738.6	4234467	1.15E-02	1.96E-03	9.32E-03	1.53E-03	1.14E-03
2745	562742.8	4234459	1.15E-02	1.95E-03	9.29E-03	1.52E-03	1.14E-03
2746	562747	4234450	1.15E-02	1.95E-03	9.29E-03	1.52E-03	1.14E-03
2747	562751.2	4234442	1.15E-02	1.96E-03	9.31E-03	1.53E-03	1.14E-03
2748	562755.4	4234434	1.16E-02	1.97E-03	9.37E-03	1.53E-03	1.15E-03
2749	562759.6	4234426	1.17E-02	1.99E-03	9.45E-03	1.55E-03	1.16E-03
2750	562763.8	4234418	1.19E-02	2.01E-03	9.57E-03	1.57E-03	1.17E-03
2751	562768	4234410	1.20E-02	2.04E-03	9.72E-03	1.59E-03	1.19E-03

2752	562772.2	4234402	1.23E-02	2.08E-03	9.91E-03	1.62E-03	1.21E-03
2753	562776.5	4234393	1.25E-02	2.13E-03	1.01E-02	1.66E-03	1.24E-03
2754	562780.7	4234385	1.28E-02	2.18E-03	1.04E-02	1.70E-03	1.27E-03
2755	562784.9	4234377	1.32E-02	2.23E-03	1.06E-02	1.74E-03	1.30E-03
2756	562789.1	4234369	1.35E-02	2.29E-03	1.09E-02	1.79E-03	1.33E-03
2757	562793.3	4234361	1.39E-02	2.36E-03	1.12E-02	1.84E-03	1.37E-03
2758	562797.5	4234353	1.43E-02	2.42E-03	1.15E-02	1.89E-03	1.41E-03
2759	562801.7	4234345	1.47E-02	2.49E-03	1.19E-02	1.94E-03	1.45E-03
2760	562805.9	4234336	1.51E-02	2.56E-03	1.22E-02	2.00E-03	1.49E-03
2761	562810.1	4234328	1.55E-02	2.63E-03	1.25E-02	2.05E-03	1.53E-03
2762	562814.4	4234320	1.59E-02	2.70E-03	1.29E-02	2.11E-03	1.57E-03
2763	562827.3	4234309	1.71E-02	2.90E-03	1.38E-02	2.26E-03	1.69E-03
2764	562836	4234306	1.79E-02	3.04E-03	1.44E-02	2.37E-03	1.77E-03
2765	562844.8	4234304	1.87E-02	3.17E-03	1.51E-02	2.47E-03	1.85E-03
2766	562853.5	4234301	1.95E-02	3.31E-03	1.58E-02	2.58E-03	1.93E-03
2767	562862.2	4234298	2.03E-02	3.45E-03	1.64E-02	2.69E-03	2.01E-03
2768	562870.9	4234295	2.11E-02	3.59E-03	1.71E-02	2.79E-03	2.09E-03
2769	562879.7	4234293	2.19E-02	3.72E-03	1.77E-02	2.90E-03	2.17E-03
2770	562888.4	4234290	2.27E-02	3.85E-03	1.83E-02	3.00E-03	2.24E-03
2771	562897.1	4234287	2.34E-02	3.98E-03	1.89E-02	3.10E-03	2.31E-03
2772	562905.9	4234284	2.41E-02	4.09E-03	1.95E-02	3.19E-03	2.38E-03
2773	562914.6	4234281	2.47E-02	4.20E-03	2.00E-02	3.27E-03	2.44E-03
2774	562923.3	4234279	2.53E-02	4.29E-03	2.04E-02	3.34E-03	2.50E-03
2775	562932.1	4234276	2.58E-02	4.37E-03	2.08E-02	3.41E-03	2.54E-03
2776	562940.8	4234273	2.61E-02	4.43E-03	2.11E-02	3.46E-03	2.58E-03
2777	562949.5	4234270	2.64E-02	4.48E-03	2.13E-02	3.49E-03	2.61E-03
2778	562958.2	4234267	2.65E-02	4.50E-03	2.14E-02	3.51E-03	2.62E-03
2779	562967	4234265	2.66E-02	4.51E-03	2.15E-02	3.51E-03	2.62E-03
2780	562993.2	4234256	2.59E-02	4.40E-03	2.09E-02	3.43E-03	2.56E-03
2781	563001.9	4234253	2.55E-02	4.33E-03	2.06E-02	3.37E-03	2.52E-03
2782	563010.6	4234251	2.49E-02	4.23E-03	2.01E-02	3.30E-03	2.46E-03
2783	563019.4	4234248	2.43E-02	4.12E-03	1.96E-02	3.21E-03	2.40E-03
2784	563028.1	4234245	2.36E-02	4.00E-03	1.90E-02	3.12E-03	2.33E-03
2785	563036.8	4234242	2.28E-02	3.87E-03	1.84E-02	3.01E-03	2.25E-03
2786	563045.5	4234239	2.19E-02	3.72E-03	1.77E-02	2.90E-03	2.17E-03
2787	563054.3	4234237	2.11E-02	3.57E-03	1.70E-02	2.78E-03	2.08E-03
2788	563063	4234234	2.02E-02	3.42E-03	1.63E-02	2.66E-03	1.99E-03
2789	563071.7	4234231	1.91E-02	3.25E-03	1.54E-02	2.53E-03	1.89E-03
2790	563080.5	4234228	1.81E-02	3.07E-03	1.46E-02	2.40E-03	1.79E-03
2791	563089.2	4234225	1.71E-02	2.91E-03	1.38E-02	2.27E-03	1.69E-03
2792	563097.9	4234223	1.62E-02	2.76E-03	1.31E-02	2.15E-03	1.60E-03
2793	563106.7	4234220	1.54E-02	2.62E-03	1.25E-02	2.04E-03	1.52E-03
2794	563115.4	4234217	1.47E-02	2.49E-03	1.18E-02	1.94E-03	1.45E-03
2795	562671.2	4234597	1.20E-02	2.04E-03	9.70E-03	1.59E-03	1.19E-03
2796	562670.4	4234606	1.20E-02	2.04E-03	9.73E-03	1.59E-03	1.19E-03
2797	562669.6	4234616	1.20E-02	2.04E-03	9.72E-03	1.59E-03	1.19E-03
2798	562668.8	4234625	1.20E-02	2.04E-03	9.69E-03	1.59E-03	1.19E-03
2799	562668	4234634	1.19E-02	2.02E-03	9.62E-03	1.58E-03	1.18E-03
2800	562667.2	4234644	1.18E-02	2.00E-03	9.52E-03	1.56E-03	1.16E-03
2801	562666.4	4234653	1.16E-02	1.97E-03	9.39E-03	1.54E-03	1.15E-03
2802	562665.6	4234662	1.14E-02	1.94E-03	9.23E-03	1.51E-03	1.13E-03
2803	562664.8	4234672	1.13E-02	1.91E-03	9.09E-03	1.49E-03	1.11E-03

2804	562664	4234681	1.11E-02	1.88E-03	8.96E-03	1.47E-03	1.10E-03
2805	562663.2	4234690	1.09E-02	1.85E-03	8.80E-03	1.44E-03	1.08E-03
2806	562662.4	4234700	1.06E-02	1.80E-03	8.58E-03	1.40E-03	1.05E-03
2807	562661.6	4234709	1.03E-02	1.74E-03	8.29E-03	1.36E-03	1.01E-03
2808	562635.6	4234585	1.11E-02	1.88E-03	8.96E-03	1.47E-03	1.10E-03
2809	562639.8	4234577	1.11E-02	1.88E-03	8.93E-03	1.46E-03	1.09E-03
2810	562644.1	4234569	1.10E-02	1.86E-03	8.87E-03	1.45E-03	1.09E-03
2811	562648.3	4234561	1.10E-02	1.86E-03	8.86E-03	1.45E-03	1.08E-03
2812	562652.6	4234553	1.09E-02	1.85E-03	8.82E-03	1.44E-03	1.08E-03
2813	562656.8	4234544	1.09E-02	1.84E-03	8.77E-03	1.44E-03	1.07E-03
2814	562661.1	4234536	1.08E-02	1.83E-03	8.71E-03	1.43E-03	1.07E-03
2815	562665.3	4234528	1.07E-02	1.82E-03	8.64E-03	1.41E-03	1.06E-03
2816	562669.6	4234520	1.06E-02	1.80E-03	8.56E-03	1.40E-03	1.05E-03
2817	562673.8	4234511	1.05E-02	1.78E-03	8.47E-03	1.39E-03	1.04E-03
2818	562678.1	4234503	1.04E-02	1.76E-03	8.39E-03	1.37E-03	1.03E-03
2819	562682.3	4234495	1.03E-02	1.74E-03	8.29E-03	1.36E-03	1.01E-03
2820	562686.6	4234487	1.02E-02	1.72E-03	8.20E-03	1.34E-03	1.00E-03
2821	562690.8	4234479	1.00E-02	1.71E-03	8.11E-03	1.33E-03	9.92E-04
2822	562695.1	4234470	9.94E-03	1.69E-03	8.03E-03	1.32E-03	9.82E-04
2823	562699.3	4234462	9.85E-03	1.67E-03	7.95E-03	1.30E-03	9.73E-04
2824	562703.5	4234454	9.77E-03	1.66E-03	7.89E-03	1.29E-03	9.65E-04
2825	562707.8	4234446	9.77E-03	1.66E-03	7.89E-03	1.29E-03	9.65E-04
2826	562712	4234438	9.80E-03	1.66E-03	7.91E-03	1.30E-03	9.68E-04
2827	562716.3	4234429	9.85E-03	1.67E-03	7.95E-03	1.30E-03	9.73E-04
2828	562720.5	4234421	9.93E-03	1.68E-03	8.02E-03	1.31E-03	9.81E-04
2829	562724.8	4234413	1.00E-02	1.70E-03	8.11E-03	1.33E-03	9.92E-04
2830	562729	4234405	1.02E-02	1.73E-03	8.23E-03	1.35E-03	1.01E-03
2831	562733.3	4234397	1.04E-02	1.76E-03	8.38E-03	1.37E-03	1.02E-03
2832	562737.5	4234388	1.05E-02	1.79E-03	8.51E-03	1.39E-03	1.04E-03
2833	562741.8	4234380	1.07E-02	1.82E-03	8.66E-03	1.42E-03	1.06E-03
2834	562746	4234372	1.09E-02	1.86E-03	8.84E-03	1.45E-03	1.08E-03
2835	562750.3	4234364	1.12E-02	1.90E-03	9.04E-03	1.48E-03	1.11E-03
2836	562754.5	4234355	1.15E-02	1.95E-03	9.26E-03	1.52E-03	1.13E-03
2837	562758.8	4234347	1.18E-02	2.00E-03	9.50E-03	1.56E-03	1.16E-03
2838	562763	4234339	1.21E-02	2.05E-03	9.75E-03	1.60E-03	1.19E-03
2839	562767.3	4234331	1.24E-02	2.11E-03	1.00E-02	1.64E-03	1.23E-03
2840	562771.5	4234323	1.28E-02	2.16E-03	1.03E-02	1.69E-03	1.26E-03
2841	562775.8	4234314	1.31E-02	2.22E-03	1.06E-02	1.73E-03	1.29E-03
2842	562780	4234306	1.35E-02	2.28E-03	1.09E-02	1.78E-03	1.33E-03
2843	562784.3	4234298	1.38E-02	2.35E-03	1.12E-02	1.83E-03	1.37E-03
2844	562788.5	4234290	1.42E-02	2.41E-03	1.15E-02	1.88E-03	1.40E-03
2845	562801.6	4234279	1.52E-02	2.58E-03	1.23E-02	2.01E-03	1.50E-03
2846	562810.4	4234276	1.59E-02	2.69E-03	1.28E-02	2.10E-03	1.57E-03
2847	562819.2	4234273	1.66E-02	2.81E-03	1.34E-02	2.19E-03	1.64E-03
2848	562828	4234270	1.73E-02	2.93E-03	1.39E-02	2.28E-03	1.71E-03
2849	562836.8	4234267	1.80E-02	3.05E-03	1.45E-02	2.38E-03	1.78E-03
2850	562845.6	4234265	1.87E-02	3.17E-03	1.51E-02	2.47E-03	1.85E-03
2851	562854.4	4234262	1.94E-02	3.29E-03	1.57E-02	2.56E-03	1.92E-03
2852	562863.2	4234259	2.01E-02	3.41E-03	1.62E-02	2.66E-03	1.98E-03
2853	562872	4234256	2.07E-02	3.52E-03	1.68E-02	2.74E-03	2.05E-03
2854	562880.8	4234253	2.14E-02	3.63E-03	1.73E-02	2.83E-03	2.11E-03
2855	562889.6	4234251	2.20E-02	3.73E-03	1.77E-02	2.91E-03	2.17E-03

2856	562898.4	4234248	2.25E-02	3.82E-03	1.82E-02	2.98E-03	2.22E-03
2857	562907.2	4234245	2.30E-02	3.90E-03	1.86E-02	3.04E-03	2.27E-03
2858	562916	4234242	2.34E-02	3.97E-03	1.89E-02	3.09E-03	2.31E-03
2859	562924.8	4234239	2.37E-02	4.03E-03	1.92E-02	3.14E-03	2.34E-03
2860	562933.7	4234236	2.40E-02	4.07E-03	1.94E-02	3.17E-03	2.37E-03
2861	562942.5	4234234	2.41E-02	4.09E-03	1.95E-02	3.19E-03	2.38E-03
2862	562951.3	4234231	2.42E-02	4.10E-03	1.95E-02	3.19E-03	2.39E-03
2863	562960.1	4234228	2.41E-02	4.09E-03	1.95E-02	3.19E-03	2.38E-03
2864	562968.9	4234225	2.39E-02	4.06E-03	1.93E-02	3.17E-03	2.36E-03
2865	563004.1	4234214	2.23E-02	3.79E-03	1.80E-02	2.95E-03	2.21E-03
2866	563012.9	4234211	2.17E-02	3.69E-03	1.75E-02	2.87E-03	2.15E-03
2867	563021.7	4234208	2.11E-02	3.57E-03	1.70E-02	2.78E-03	2.08E-03
2868	563030.5	4234205	2.03E-02	3.45E-03	1.64E-02	2.69E-03	2.01E-03
2869	563039.3	4234203	1.96E-02	3.32E-03	1.58E-02	2.59E-03	1.93E-03
2870	563048.1	4234200	1.87E-02	3.17E-03	1.51E-02	2.47E-03	1.85E-03
2871	563056.9	4234197	1.78E-02	3.03E-03	1.44E-02	2.36E-03	1.76E-03
2872	563065.8	4234194	1.70E-02	2.88E-03	1.37E-02	2.24E-03	1.67E-03
2873	563074.6	4234191	1.61E-02	2.74E-03	1.30E-02	2.13E-03	1.59E-03
2874	563083.4	4234188	1.53E-02	2.60E-03	1.24E-02	2.03E-03	1.52E-03
2875	563092.2	4234186	1.46E-02	2.48E-03	1.18E-02	1.93E-03	1.44E-03
2876	563101	4234183	1.39E-02	2.36E-03	1.12E-02	1.84E-03	1.37E-03
2877	563109.8	4234180	1.32E-02	2.25E-03	1.07E-02	1.75E-03	1.31E-03
2878	563118.6	4234177	1.26E-02	2.14E-03	1.02E-02	1.67E-03	1.25E-03
2879	562631.3	4234594	1.11E-02	1.89E-03	8.98E-03	1.47E-03	1.10E-03
2880	562630.5	4234603	1.11E-02	1.89E-03	8.99E-03	1.47E-03	1.10E-03
2881	562629.7	4234612	1.11E-02	1.89E-03	8.98E-03	1.47E-03	1.10E-03
2882	562628.9	4234622	1.11E-02	1.88E-03	8.94E-03	1.46E-03	1.09E-03
2883	562628.2	4234631	1.10E-02	1.86E-03	8.87E-03	1.45E-03	1.08E-03
2884	562627.4	4234640	1.09E-02	1.84E-03	8.77E-03	1.44E-03	1.07E-03
2885	562626.6	4234650	1.07E-02	1.82E-03	8.65E-03	1.42E-03	1.06E-03
2886	562625.8	4234659	1.05E-02	1.79E-03	8.50E-03	1.39E-03	1.04E-03
2887	562625	4234668	1.03E-02	1.75E-03	8.33E-03	1.36E-03	1.02E-03
2888	562624.2	4234677	1.01E-02	1.71E-03	8.14E-03	1.33E-03	9.95E-04
2889	562623.4	4234687	9.82E-03	1.67E-03	7.93E-03	1.30E-03	9.69E-04
2890	562622.6	4234696	9.54E-03	1.62E-03	7.70E-03	1.26E-03	9.42E-04
2891	562621.8	4234705	9.25E-03	1.57E-03	7.47E-03	1.22E-03	9.13E-04
2892	562595.8	4234582	1.05E-02	1.78E-03	8.46E-03	1.39E-03	1.03E-03
2893	562600	4234574	1.05E-02	1.79E-03	8.50E-03	1.39E-03	1.04E-03
2894	562604.3	4234565	1.05E-02	1.79E-03	8.51E-03	1.39E-03	1.04E-03
2895	562608.6	4234557	1.05E-02	1.79E-03	8.51E-03	1.39E-03	1.04E-03
2896	562612.9	4234549	1.05E-02	1.78E-03	8.49E-03	1.39E-03	1.04E-03
2897	562617.2	4234541	1.04E-02	1.77E-03	8.41E-03	1.38E-03	1.03E-03
2898	562621.4	4234532	1.03E-02	1.74E-03	8.30E-03	1.36E-03	1.02E-03
2899	562625.7	4234524	1.01E-02	1.72E-03	8.18E-03	1.34E-03	1.00E-03
2900	562630	4234516	9.98E-03	1.69E-03	8.05E-03	1.32E-03	9.85E-04
2901	562634.3	4234507	9.81E-03	1.66E-03	7.92E-03	1.30E-03	9.69E-04
2902	562638.6	4234499	9.64E-03	1.64E-03	7.78E-03	1.27E-03	9.52E-04
2903	562642.8	4234491	9.46E-03	1.61E-03	7.64E-03	1.25E-03	9.35E-04
2904	562647.1	4234483	9.34E-03	1.58E-03	7.54E-03	1.23E-03	9.22E-04
2905	562651.4	4234474	9.22E-03	1.56E-03	7.44E-03	1.22E-03	9.10E-04
2906	562655.7	4234466	9.10E-03	1.54E-03	7.35E-03	1.20E-03	8.99E-04
2907	562660	4234458	8.99E-03	1.52E-03	7.26E-03	1.19E-03	8.87E-04

2908	562664.2	4234450	8.88E-03	1.51E-03	7.17E-03	1.17E-03	8.77E-04
2909	562668.5	4234441	8.78E-03	1.49E-03	7.09E-03	1.16E-03	8.68E-04
2910	562672.8	4234433	8.70E-03	1.48E-03	7.03E-03	1.15E-03	8.60E-04
2911	562677.1	4234425	8.64E-03	1.47E-03	6.98E-03	1.14E-03	8.53E-04
2912	562681.3	4234416	8.60E-03	1.46E-03	6.94E-03	1.14E-03	8.49E-04
2913	562685.6	4234408	8.58E-03	1.46E-03	6.93E-03	1.13E-03	8.48E-04
2914	562689.9	4234400	8.59E-03	1.46E-03	6.94E-03	1.14E-03	8.49E-04
2915	562694.2	4234392	8.67E-03	1.47E-03	7.00E-03	1.15E-03	8.56E-04
2916	562698.5	4234383	8.83E-03	1.50E-03	7.13E-03	1.17E-03	8.72E-04
2917	562702.7	4234375	9.06E-03	1.54E-03	7.31E-03	1.20E-03	8.95E-04
2918	562707	4234367	9.30E-03	1.58E-03	7.51E-03	1.23E-03	9.18E-04
2919	562711.3	4234359	9.46E-03	1.61E-03	7.64E-03	1.25E-03	9.34E-04
2920	562715.6	4234350	9.65E-03	1.64E-03	7.79E-03	1.28E-03	9.53E-04
2921	562719.9	4234342	9.85E-03	1.67E-03	7.96E-03	1.30E-03	9.73E-04
2922	562724.1	4234334	1.01E-02	1.71E-03	8.14E-03	1.33E-03	9.96E-04
2923	562728.4	4234325	1.03E-02	1.75E-03	8.35E-03	1.37E-03	1.02E-03
2924	562732.7	4234317	1.06E-02	1.80E-03	8.56E-03	1.40E-03	1.05E-03
2925	562737	4234309	1.09E-02	1.85E-03	8.79E-03	1.44E-03	1.07E-03
2926	562741.3	4234301	1.12E-02	1.90E-03	9.02E-03	1.48E-03	1.10E-03
2927	562745.5	4234292	1.15E-02	1.95E-03	9.27E-03	1.52E-03	1.13E-03
2928	562749.8	4234284	1.18E-02	2.00E-03	9.52E-03	1.56E-03	1.16E-03
2929	562754.1	4234276	1.21E-02	2.05E-03	9.77E-03	1.60E-03	1.19E-03
2930	562758.4	4234268	1.24E-02	2.11E-03	1.00E-02	1.64E-03	1.23E-03
2931	562762.6	4234259	1.27E-02	2.16E-03	1.03E-02	1.68E-03	1.26E-03
2932	562775.8	4234248	1.36E-02	2.31E-03	1.10E-02	1.80E-03	1.34E-03
2933	562784.7	4234245	1.42E-02	2.41E-03	1.15E-02	1.88E-03	1.40E-03
2934	562793.5	4234242	1.48E-02	2.51E-03	1.19E-02	1.96E-03	1.46E-03
2935	562802.4	4234240	1.54E-02	2.61E-03	1.24E-02	2.04E-03	1.52E-03
2936	562811.3	4234237	1.60E-02	2.72E-03	1.29E-02	2.12E-03	1.58E-03
2937	562820.2	4234234	1.66E-02	2.82E-03	1.34E-02	2.20E-03	1.64E-03
2938	562829	4234231	1.73E-02	2.93E-03	1.39E-02	2.28E-03	1.70E-03
2939	562837.9	4234228	1.79E-02	3.03E-03	1.44E-02	2.36E-03	1.76E-03
2940	562846.8	4234225	1.85E-02	3.13E-03	1.49E-02	2.44E-03	1.82E-03
2941	562855.6	4234223	1.91E-02	3.23E-03	1.54E-02	2.52E-03	1.88E-03
2942	562864.5	4234220	1.96E-02	3.33E-03	1.58E-02	2.59E-03	1.94E-03
2943	562873.4	4234217	2.01E-02	3.41E-03	1.62E-02	2.66E-03	1.99E-03
2944	562882.3	4234214	2.06E-02	3.49E-03	1.66E-02	2.72E-03	2.03E-03
2945	562891.1	4234211	2.10E-02	3.57E-03	1.70E-02	2.78E-03	2.08E-03
2946	562900	4234208	2.14E-02	3.63E-03	1.73E-02	2.83E-03	2.11E-03
2947	562908.9	4234206	2.17E-02	3.68E-03	1.75E-02	2.87E-03	2.14E-03
2948	562917.8	4234203	2.19E-02	3.71E-03	1.77E-02	2.89E-03	2.16E-03
2949	562926.6	4234200	2.20E-02	3.74E-03	1.78E-02	2.91E-03	2.17E-03
2950	562935.5	4234197	2.21E-02	3.75E-03	1.78E-02	2.92E-03	2.18E-03
2951	562944.4	4234194	2.20E-02	3.74E-03	1.78E-02	2.92E-03	2.18E-03
2952	562953.2	4234191	2.19E-02	3.72E-03	1.77E-02	2.90E-03	2.17E-03
2953	562962.1	4234188	2.17E-02	3.68E-03	1.75E-02	2.87E-03	2.14E-03
2954	562971	4234186	2.14E-02	3.64E-03	1.73E-02	2.83E-03	2.12E-03
2955	562997.6	4234177	2.01E-02	3.41E-03	1.62E-02	2.66E-03	1.99E-03
2956	563006.5	4234174	1.95E-02	3.31E-03	1.58E-02	2.58E-03	1.93E-03
2957	563015.3	4234171	1.89E-02	3.20E-03	1.52E-02	2.49E-03	1.86E-03
2958	563024.2	4234169	1.81E-02	3.08E-03	1.47E-02	2.40E-03	1.79E-03
2959	563033.1	4234166	1.74E-02	2.95E-03	1.40E-02	2.30E-03	1.72E-03

2960	563042	4234163	1.66E-02	2.82E-03	1.34E-02	2.20E-03	1.64E-03
2961	563050.8	4234160	1.59E-02	2.70E-03	1.29E-02	2.11E-03	1.57E-03
2962	563059.7	4234157	1.52E-02	2.58E-03	1.23E-02	2.01E-03	1.50E-03
2963	563068.6	4234154	1.45E-02	2.47E-03	1.17E-02	1.92E-03	1.44E-03
2964	563077.4	4234152	1.39E-02	2.36E-03	1.12E-02	1.84E-03	1.37E-03
2965	563086.3	4234149	1.32E-02	2.25E-03	1.07E-02	1.75E-03	1.31E-03
2966	563095.2	4234146	1.26E-02	2.14E-03	1.02E-02	1.67E-03	1.25E-03
2967	563104.1	4234143	1.20E-02	2.04E-03	9.73E-03	1.59E-03	1.19E-03
2968	563112.9	4234140	1.15E-02	1.95E-03	9.28E-03	1.52E-03	1.14E-03
2969	563121.8	4234137	1.10E-02	1.86E-03	8.87E-03	1.45E-03	1.08E-03
2970	562591.5	4234590	1.04E-02	1.77E-03	8.40E-03	1.38E-03	1.03E-03
2971	562590.7	4234600	1.04E-02	1.76E-03	8.39E-03	1.37E-03	1.03E-03
2972	562589.9	4234609	1.03E-02	1.75E-03	8.35E-03	1.37E-03	1.02E-03
2973	562589.1	4234618	1.03E-02	1.74E-03	8.28E-03	1.36E-03	1.01E-03
2974	562588.3	4234627	1.01E-02	1.72E-03	8.20E-03	1.34E-03	1.00E-03
2975	562587.5	4234637	1.00E-02	1.70E-03	8.08E-03	1.32E-03	9.89E-04
2976	562586.7	4234646	9.85E-03	1.67E-03	7.95E-03	1.30E-03	9.72E-04
2977	562585.9	4234655	9.66E-03	1.64E-03	7.80E-03	1.28E-03	9.54E-04
2978	562585.1	4234665	9.45E-03	1.60E-03	7.63E-03	1.25E-03	9.33E-04
2979	562584.3	4234674	9.21E-03	1.56E-03	7.44E-03	1.22E-03	9.10E-04
2980	562583.5	4234683	8.97E-03	1.52E-03	7.24E-03	1.19E-03	8.86E-04
2981	562582.7	4234693	8.71E-03	1.48E-03	7.03E-03	1.15E-03	8.60E-04
2982	562581.9	4234702	8.44E-03	1.43E-03	6.81E-03	1.12E-03	8.33E-04
2983	562555.8	4234579	9.58E-03	1.63E-03	7.73E-03	1.27E-03	9.46E-04
2984	562560.1	4234571	9.64E-03	1.64E-03	7.78E-03	1.27E-03	9.52E-04
2985	562564.3	4234562	9.68E-03	1.64E-03	7.81E-03	1.28E-03	9.56E-04
2986	562568.5	4234554	9.69E-03	1.64E-03	7.83E-03	1.28E-03	9.57E-04
2987	562572.7	4234546	9.69E-03	1.64E-03	7.82E-03	1.28E-03	9.57E-04
2988	562576.9	4234538	9.66E-03	1.64E-03	7.80E-03	1.28E-03	9.54E-04
2989	562581.1	4234530	9.62E-03	1.63E-03	7.77E-03	1.27E-03	9.50E-04
2990	562585.3	4234522	9.56E-03	1.62E-03	7.72E-03	1.26E-03	9.44E-04
2991	562589.5	4234514	9.49E-03	1.61E-03	7.66E-03	1.26E-03	9.37E-04
2992	562593.7	4234505	9.41E-03	1.60E-03	7.60E-03	1.24E-03	9.29E-04
2993	562597.9	4234497	9.31E-03	1.58E-03	7.52E-03	1.23E-03	9.20E-04
2994	562602.2	4234489	9.21E-03	1.56E-03	7.44E-03	1.22E-03	9.10E-04
2995	562606.4	4234481	9.10E-03	1.54E-03	7.35E-03	1.20E-03	8.99E-04
2996	562610.6	4234473	8.98E-03	1.52E-03	7.25E-03	1.19E-03	8.87E-04
2997	562614.8	4234465	8.84E-03	1.50E-03	7.14E-03	1.17E-03	8.73E-04
2998	562619	4234457	8.67E-03	1.47E-03	7.00E-03	1.15E-03	8.56E-04
2999	562623.2	4234448	8.49E-03	1.44E-03	6.86E-03	1.12E-03	8.39E-04
3000	562627.4	4234440	8.32E-03	1.41E-03	6.72E-03	1.10E-03	8.22E-04
3001	562631.6	4234432	8.16E-03	1.38E-03	6.59E-03	1.08E-03	8.06E-04
3002	562635.8	4234424	8.01E-03	1.36E-03	6.47E-03	1.06E-03	7.91E-04
3003	562640.1	4234416	7.88E-03	1.34E-03	6.36E-03	1.04E-03	7.78E-04
3004	562644.3	4234408	7.77E-03	1.32E-03	6.27E-03	1.03E-03	7.67E-04
3005	562648.5	4234400	7.72E-03	1.31E-03	6.23E-03	1.02E-03	7.62E-04
3006	562652.7	4234391	7.69E-03	1.30E-03	6.21E-03	1.02E-03	7.59E-04
3007	562656.9	4234383	7.68E-03	1.30E-03	6.20E-03	1.02E-03	7.58E-04
3008	562661.1	4234375	7.70E-03	1.31E-03	6.21E-03	1.02E-03	7.60E-04
3009	562665.3	4234367	7.74E-03	1.31E-03	6.25E-03	1.02E-03	7.64E-04
3010	562669.5	4234359	7.80E-03	1.32E-03	6.30E-03	1.03E-03	7.70E-04
3011	562673.7	4234351	7.89E-03	1.34E-03	6.37E-03	1.04E-03	7.79E-04

3012	562677.9	4234343	8.05E-03	1.37E-03	6.50E-03	1.06E-03	7.95E-04
3013	562682.2	4234334	8.24E-03	1.40E-03	6.66E-03	1.09E-03	8.14E-04
3014	562686.4	4234326	8.50E-03	1.44E-03	6.86E-03	1.12E-03	8.39E-04
3015	562690.6	4234318	8.74E-03	1.48E-03	7.06E-03	1.16E-03	8.63E-04
3016	562694.8	4234310	8.98E-03	1.52E-03	7.25E-03	1.19E-03	8.87E-04
3017	562699	4234302	9.21E-03	1.56E-03	7.43E-03	1.22E-03	9.09E-04
3018	562703.2	4234294	9.43E-03	1.60E-03	7.62E-03	1.25E-03	9.32E-04
3019	562707.4	4234286	9.67E-03	1.64E-03	7.81E-03	1.28E-03	9.55E-04
3020	562711.6	4234277	9.92E-03	1.68E-03	8.01E-03	1.31E-03	9.79E-04
3021	562715.8	4234269	1.02E-02	1.73E-03	8.21E-03	1.34E-03	1.00E-03
3022	562720.1	4234261	1.04E-02	1.77E-03	8.42E-03	1.38E-03	1.03E-03
3023	562724.3	4234253	1.07E-02	1.81E-03	8.64E-03	1.41E-03	1.06E-03
3024	562728.5	4234245	1.10E-02	1.86E-03	8.85E-03	1.45E-03	1.08E-03
3025	562732.7	4234237	1.12E-02	1.91E-03	9.07E-03	1.49E-03	1.11E-03
3026	562736.9	4234229	1.15E-02	1.95E-03	9.29E-03	1.52E-03	1.14E-03
3027	562749.8	4234218	1.22E-02	2.08E-03	9.89E-03	1.62E-03	1.21E-03
3028	562758.6	4234215	1.27E-02	2.16E-03	1.03E-02	1.69E-03	1.26E-03
3029	562767.3	4234212	1.33E-02	2.25E-03	1.07E-02	1.75E-03	1.31E-03
3030	562776	4234209	1.38E-02	2.34E-03	1.11E-02	1.82E-03	1.36E-03
3031	562784.8	4234206	1.43E-02	2.43E-03	1.15E-02	1.89E-03	1.41E-03
3032	562793.5	4234204	1.48E-02	2.52E-03	1.20E-02	1.96E-03	1.46E-03
3033	562802.2	4234201	1.54E-02	2.61E-03	1.24E-02	2.03E-03	1.52E-03
3034	562810.9	4234198	1.59E-02	2.70E-03	1.28E-02	2.10E-03	1.57E-03
3035	562819.7	4234195	1.64E-02	2.79E-03	1.33E-02	2.17E-03	1.62E-03
3036	562828.4	4234192	1.69E-02	2.88E-03	1.37E-02	2.24E-03	1.67E-03
3037	562837.1	4234190	1.74E-02	2.96E-03	1.41E-02	2.31E-03	1.72E-03
3038	562845.9	4234187	1.79E-02	3.04E-03	1.45E-02	2.37E-03	1.77E-03
3039	562854.6	4234184	1.84E-02	3.12E-03	1.48E-02	2.43E-03	1.82E-03
3040	562863.3	4234181	1.88E-02	3.19E-03	1.52E-02	2.49E-03	1.86E-03
3041	562872.1	4234179	1.92E-02	3.25E-03	1.55E-02	2.54E-03	1.89E-03
3042	562880.8	4234176	1.95E-02	3.31E-03	1.58E-02	2.58E-03	1.93E-03
3043	562889.5	4234173	1.98E-02	3.36E-03	1.60E-02	2.62E-03	1.95E-03
3044	562898.2	4234170	2.00E-02	3.40E-03	1.62E-02	2.65E-03	1.98E-03
3045	562907	4234167	2.02E-02	3.42E-03	1.63E-02	2.67E-03	1.99E-03
3046	562915.7	4234165	2.03E-02	3.44E-03	1.64E-02	2.68E-03	2.00E-03
3047	562924.4	4234162	2.03E-02	3.44E-03	1.64E-02	2.68E-03	2.00E-03
3048	562933.2	4234159	2.02E-02	3.43E-03	1.63E-02	2.67E-03	2.00E-03
3049	562941.9	4234156	2.01E-02	3.41E-03	1.62E-02	2.66E-03	1.99E-03
3050	562950.6	4234153	1.99E-02	3.38E-03	1.61E-02	2.63E-03	1.97E-03
3051	562959.4	4234151	1.96E-02	3.33E-03	1.59E-02	2.60E-03	1.94E-03
3052	562968.1	4234148	1.93E-02	3.28E-03	1.56E-02	2.56E-03	1.91E-03
3053	562994.3	4234139	1.80E-02	3.06E-03	1.46E-02	2.38E-03	1.78E-03
3054	563003	4234137	1.75E-02	2.97E-03	1.41E-02	2.31E-03	1.73E-03
3055	563011.7	4234134	1.69E-02	2.86E-03	1.36E-02	2.23E-03	1.67E-03
3056	563020.5	4234131	1.62E-02	2.75E-03	1.31E-02	2.14E-03	1.60E-03
3057	563029.2	4234128	1.55E-02	2.63E-03	1.25E-02	2.05E-03	1.53E-03
3058	563037.9	4234125	1.49E-02	2.53E-03	1.20E-02	1.97E-03	1.47E-03
3059	563046.7	4234123	1.43E-02	2.43E-03	1.15E-02	1.89E-03	1.41E-03
3060	563055.4	4234120	1.37E-02	2.32E-03	1.11E-02	1.81E-03	1.35E-03
3061	563064.1	4234117	1.31E-02	2.23E-03	1.06E-02	1.74E-03	1.30E-03
3062	563072.9	4234114	1.26E-02	2.13E-03	1.01E-02	1.66E-03	1.24E-03
3063	563081.6	4234111	1.20E-02	2.04E-03	9.69E-03	1.59E-03	1.19E-03

3064	563090.3	4234109	1.15E-02	1.95E-03	9.27E-03	1.52E-03	1.13E-03
3065	563099	4234106	1.10E-02	1.86E-03	8.86E-03	1.45E-03	1.08E-03
3066	563107.8	4234103	1.05E-02	1.78E-03	8.48E-03	1.39E-03	1.04E-03
3067	563116.5	4234100	1.01E-02	1.71E-03	8.12E-03	1.33E-03	9.93E-04
3068	563125.2	4234097	9.64E-03	1.64E-03	7.78E-03	1.27E-03	9.52E-04
3069	562551.6	4234587	9.50E-03	1.61E-03	7.67E-03	1.26E-03	9.38E-04
3070	562550.8	4234596	9.46E-03	1.61E-03	7.64E-03	1.25E-03	9.34E-04
3071	562550	4234605	9.40E-03	1.60E-03	7.59E-03	1.24E-03	9.28E-04
3072	562549.2	4234615	9.31E-03	1.58E-03	7.52E-03	1.23E-03	9.20E-04
3073	562548.4	4234624	9.20E-03	1.56E-03	7.43E-03	1.22E-03	9.09E-04
3074	562547.6	4234633	9.07E-03	1.54E-03	7.32E-03	1.20E-03	8.96E-04
3075	562546.8	4234643	8.91E-03	1.51E-03	7.20E-03	1.18E-03	8.80E-04
3076	562546	4234652	8.74E-03	1.48E-03	7.06E-03	1.16E-03	8.63E-04
3077	562545.3	4234661	8.55E-03	1.45E-03	6.90E-03	1.13E-03	8.44E-04
3078	562544.5	4234671	8.34E-03	1.42E-03	6.74E-03	1.10E-03	8.24E-04
3079	562543.7	4234680	8.12E-03	1.38E-03	6.56E-03	1.07E-03	8.02E-04
3080	562542.9	4234689	7.89E-03	1.34E-03	6.37E-03	1.04E-03	7.80E-04
3081	562542.1	4234699	7.66E-03	1.30E-03	6.18E-03	1.01E-03	7.56E-04
3082	562516	4234575	8.78E-03	1.49E-03	7.09E-03	1.16E-03	8.68E-04
3083	562520.3	4234567	8.85E-03	1.50E-03	7.15E-03	1.17E-03	8.74E-04
3084	562524.5	4234559	8.90E-03	1.51E-03	7.19E-03	1.18E-03	8.79E-04
3085	562528.7	4234551	8.94E-03	1.52E-03	7.21E-03	1.18E-03	8.82E-04
3086	562533	4234542	8.95E-03	1.52E-03	7.22E-03	1.18E-03	8.84E-04
3087	562537.2	4234534	8.94E-03	1.52E-03	7.22E-03	1.18E-03	8.83E-04
3088	562541.5	4234526	8.92E-03	1.51E-03	7.20E-03	1.18E-03	8.81E-04
3089	562545.7	4234518	8.88E-03	1.51E-03	7.17E-03	1.17E-03	8.77E-04
3090	562549.9	4234510	8.82E-03	1.50E-03	7.12E-03	1.17E-03	8.71E-04
3091	562554.2	4234501	8.76E-03	1.49E-03	7.07E-03	1.16E-03	8.65E-04
3092	562558.4	4234493	8.68E-03	1.47E-03	7.01E-03	1.15E-03	8.57E-04
3093	562562.7	4234485	8.59E-03	1.46E-03	6.93E-03	1.14E-03	8.48E-04
3094	562566.9	4234477	8.49E-03	1.44E-03	6.85E-03	1.12E-03	8.38E-04
3095	562571.1	4234469	8.38E-03	1.42E-03	6.77E-03	1.11E-03	8.28E-04
3096	562575.4	4234460	8.27E-03	1.40E-03	6.68E-03	1.09E-03	8.16E-04
3097	562579.6	4234452	8.15E-03	1.38E-03	6.58E-03	1.08E-03	8.05E-04
3098	562583.9	4234444	8.03E-03	1.36E-03	6.48E-03	1.06E-03	7.93E-04
3099	562588.1	4234436	7.90E-03	1.34E-03	6.38E-03	1.05E-03	7.81E-04
3100	562592.3	4234428	7.78E-03	1.32E-03	6.28E-03	1.03E-03	7.69E-04
3101	562596.6	4234419	7.67E-03	1.30E-03	6.19E-03	1.01E-03	7.57E-04
3102	562600.8	4234411	7.56E-03	1.28E-03	6.10E-03	9.99E-04	7.46E-04
3103	562605.1	4234403	7.46E-03	1.27E-03	6.02E-03	9.86E-04	7.36E-04
3104	562609.3	4234395	7.37E-03	1.25E-03	5.95E-03	9.75E-04	7.28E-04
3105	562613.5	4234387	7.30E-03	1.24E-03	5.89E-03	9.65E-04	7.21E-04
3106	562617.8	4234378	7.21E-03	1.22E-03	5.82E-03	9.53E-04	7.12E-04
3107	562622	4234370	7.13E-03	1.21E-03	5.76E-03	9.43E-04	7.04E-04
3108	562626.3	4234362	7.08E-03	1.20E-03	5.72E-03	9.36E-04	6.99E-04
3109	562630.5	4234354	7.05E-03	1.20E-03	5.69E-03	9.33E-04	6.96E-04
3110	562634.7	4234346	7.04E-03	1.20E-03	5.69E-03	9.32E-04	6.96E-04
3111	562639	4234337	7.06E-03	1.20E-03	5.70E-03	9.33E-04	6.97E-04
3112	562643.2	4234329	7.09E-03	1.20E-03	5.73E-03	9.38E-04	7.01E-04
3113	562647.5	4234321	7.20E-03	1.22E-03	5.82E-03	9.53E-04	7.11E-04
3114	562651.7	4234313	7.36E-03	1.25E-03	5.94E-03	9.73E-04	7.27E-04
3115	562655.9	4234305	7.55E-03	1.28E-03	6.10E-03	9.99E-04	7.46E-04

3116	562660.2	4234296	7.74E-03	1.31E-03	6.25E-03	1.02E-03	7.65E-04
3117	562664.4	4234288	7.95E-03	1.35E-03	6.42E-03	1.05E-03	7.85E-04
3118	562668.7	4234280	8.17E-03	1.39E-03	6.60E-03	1.08E-03	8.07E-04
3119	562672.9	4234272	8.40E-03	1.43E-03	6.79E-03	1.11E-03	8.30E-04
3120	562677.1	4234264	8.61E-03	1.46E-03	6.96E-03	1.14E-03	8.51E-04
3121	562681.4	4234255	8.83E-03	1.50E-03	7.13E-03	1.17E-03	8.72E-04
3122	562685.6	4234247	9.05E-03	1.54E-03	7.30E-03	1.20E-03	8.93E-04
3123	562689.9	4234239	9.27E-03	1.57E-03	7.49E-03	1.23E-03	9.16E-04
3124	562694.1	4234231	9.50E-03	1.61E-03	7.67E-03	1.26E-03	9.39E-04
3125	562698.3	4234223	9.74E-03	1.65E-03	7.86E-03	1.29E-03	9.62E-04
3126	562702.6	4234214	9.97E-03	1.69E-03	8.05E-03	1.32E-03	9.85E-04
3127	562706.8	4234206	1.02E-02	1.73E-03	8.24E-03	1.35E-03	1.01E-03
3128	562711	4234198	1.04E-02	1.77E-03	8.44E-03	1.38E-03	1.03E-03
3129	562724.1	4234187	1.11E-02	1.88E-03	8.96E-03	1.47E-03	1.10E-03
3130	562732.9	4234184	1.15E-02	1.96E-03	9.31E-03	1.53E-03	1.14E-03
3131	562741.7	4234181	1.20E-02	2.03E-03	9.67E-03	1.58E-03	1.18E-03
3132	562750.5	4234179	1.24E-02	2.11E-03	1.00E-02	1.64E-03	1.23E-03
3133	562759.2	4234176	1.29E-02	2.19E-03	1.04E-02	1.71E-03	1.27E-03
3134	562768	4234173	1.34E-02	2.27E-03	1.08E-02	1.77E-03	1.32E-03
3135	562776.8	4234170	1.38E-02	2.35E-03	1.12E-02	1.83E-03	1.37E-03
3136	562785.6	4234167	1.43E-02	2.43E-03	1.16E-02	1.89E-03	1.41E-03
3137	562794.4	4234165	1.48E-02	2.51E-03	1.19E-02	1.96E-03	1.46E-03
3138	562803.2	4234162	1.53E-02	2.59E-03	1.23E-02	2.02E-03	1.51E-03
3139	562812	4234159	1.57E-02	2.67E-03	1.27E-02	2.08E-03	1.55E-03
3140	562820.8	4234156	1.62E-02	2.74E-03	1.30E-02	2.14E-03	1.60E-03
3141	562829.6	4234153	1.66E-02	2.81E-03	1.34E-02	2.19E-03	1.64E-03
3142	562838.4	4234150	1.70E-02	2.88E-03	1.37E-02	2.25E-03	1.68E-03
3143	562847.1	4234148	1.74E-02	2.94E-03	1.40E-02	2.30E-03	1.71E-03
3144	562855.9	4234145	1.77E-02	3.00E-03	1.43E-02	2.34E-03	1.75E-03
3145	562864.7	4234142	1.80E-02	3.05E-03	1.45E-02	2.38E-03	1.78E-03
3146	562873.5	4234139	1.82E-02	3.09E-03	1.47E-02	2.41E-03	1.80E-03
3147	562882.3	4234136	1.84E-02	3.13E-03	1.49E-02	2.44E-03	1.82E-03
3148	562891.1	4234134	1.86E-02	3.15E-03	1.50E-02	2.46E-03	1.84E-03
3149	562899.9	4234131	1.87E-02	3.17E-03	1.51E-02	2.47E-03	1.84E-03
3150	562908.7	4234128	1.87E-02	3.17E-03	1.51E-02	2.47E-03	1.85E-03
3151	562917.5	4234125	1.87E-02	3.17E-03	1.51E-02	2.47E-03	1.84E-03
3152	562926.3	4234122	1.86E-02	3.15E-03	1.50E-02	2.46E-03	1.83E-03
3153	562935.1	4234120	1.84E-02	3.13E-03	1.49E-02	2.44E-03	1.82E-03
3154	562943.8	4234117	1.82E-02	3.09E-03	1.47E-02	2.41E-03	1.80E-03
3155	562952.6	4234114	1.79E-02	3.04E-03	1.45E-02	2.37E-03	1.77E-03
3156	562961.4	4234111	1.76E-02	2.99E-03	1.42E-02	2.33E-03	1.74E-03
3157	562987.8	4234103	1.64E-02	2.78E-03	1.32E-02	2.17E-03	1.62E-03
3158	562996.6	4234100	1.59E-02	2.70E-03	1.28E-02	2.10E-03	1.57E-03
3159	563005.4	4234097	1.54E-02	2.61E-03	1.24E-02	2.04E-03	1.52E-03
3160	563014.2	4234094	1.48E-02	2.51E-03	1.19E-02	1.96E-03	1.46E-03
3161	563023	4234091	1.42E-02	2.41E-03	1.15E-02	1.88E-03	1.40E-03
3162	563031.8	4234089	1.36E-02	2.30E-03	1.10E-02	1.80E-03	1.34E-03
3163	563040.5	4234086	1.30E-02	2.21E-03	1.05E-02	1.72E-03	1.29E-03
3164	563049.3	4234083	1.25E-02	2.12E-03	1.01E-02	1.65E-03	1.24E-03
3165	563058.1	4234080	1.20E-02	2.04E-03	9.69E-03	1.59E-03	1.18E-03
3166	563066.9	4234077	1.15E-02	1.95E-03	9.28E-03	1.52E-03	1.14E-03
3167	563075.7	4234075	1.10E-02	1.87E-03	8.89E-03	1.46E-03	1.09E-03

3168	563084.5	4234072	1.05E-02	1.79E-03	8.51E-03	1.39E-03	1.04E-03
3169	563093.3	4234069	1.01E-02	1.71E-03	8.15E-03	1.33E-03	9.97E-04
3170	563102.1	4234066	9.67E-03	1.64E-03	7.81E-03	1.28E-03	9.55E-04
3171	563110.9	4234063	9.27E-03	1.57E-03	7.49E-03	1.23E-03	9.16E-04
3172	563119.7	4234060	8.90E-03	1.51E-03	7.18E-03	1.18E-03	8.79E-04
3173	563128.5	4234058	8.55E-03	1.45E-03	6.90E-03	1.13E-03	8.44E-04
3174	562511.8	4234583	8.69E-03	1.48E-03	7.02E-03	1.15E-03	8.59E-04
3175	562511	4234593	8.65E-03	1.47E-03	6.98E-03	1.14E-03	8.54E-04
3176	562510.2	4234602	8.58E-03	1.46E-03	6.93E-03	1.13E-03	8.47E-04
3177	562509.4	4234611	8.49E-03	1.44E-03	6.86E-03	1.12E-03	8.39E-04
3178	562508.6	4234621	8.38E-03	1.42E-03	6.77E-03	1.11E-03	8.28E-04
3179	562507.8	4234630	8.25E-03	1.40E-03	6.66E-03	1.09E-03	8.15E-04
3180	562507	4234639	8.11E-03	1.38E-03	6.55E-03	1.07E-03	8.01E-04
3181	562506.2	4234649	7.95E-03	1.35E-03	6.42E-03	1.05E-03	7.85E-04
3182	562505.4	4234658	7.78E-03	1.32E-03	6.28E-03	1.03E-03	7.68E-04
3183	562504.6	4234667	7.59E-03	1.29E-03	6.13E-03	1.00E-03	7.50E-04
3184	562503.8	4234677	7.40E-03	1.26E-03	5.98E-03	9.79E-04	7.31E-04
3185	562503	4234686	7.20E-03	1.22E-03	5.81E-03	9.52E-04	7.11E-04
3186	562502.2	4234695	6.99E-03	1.19E-03	5.64E-03	9.24E-04	6.90E-04
3187	562476.2	4234572	8.08E-03	1.37E-03	6.52E-03	1.07E-03	7.98E-04
3188	562480.5	4234563	8.15E-03	1.38E-03	6.58E-03	1.08E-03	8.05E-04
3189	562484.7	4234555	8.21E-03	1.39E-03	6.63E-03	1.09E-03	8.11E-04
3190	562489	4234547	8.25E-03	1.40E-03	6.67E-03	1.09E-03	8.15E-04
3191	562493.3	4234539	8.28E-03	1.41E-03	6.69E-03	1.10E-03	8.18E-04
3192	562497.5	4234530	8.29E-03	1.41E-03	6.69E-03	1.10E-03	8.19E-04
3193	562501.8	4234522	8.28E-03	1.41E-03	6.69E-03	1.10E-03	8.18E-04
3194	562506	4234514	8.26E-03	1.40E-03	6.67E-03	1.09E-03	8.16E-04
3195	562510.3	4234506	8.23E-03	1.40E-03	6.64E-03	1.09E-03	8.12E-04
3196	562514.6	4234497	8.18E-03	1.39E-03	6.60E-03	1.08E-03	8.07E-04
3197	562518.8	4234489	8.11E-03	1.38E-03	6.55E-03	1.07E-03	8.01E-04
3198	562523.1	4234481	8.04E-03	1.36E-03	6.49E-03	1.06E-03	7.94E-04
3199	562527.4	4234473	7.96E-03	1.35E-03	6.42E-03	1.05E-03	7.86E-04
3200	562531.6	4234465	7.86E-03	1.33E-03	6.35E-03	1.04E-03	7.77E-04
3201	562535.9	4234456	7.76E-03	1.32E-03	6.27E-03	1.03E-03	7.67E-04
3202	562540.2	4234448	7.65E-03	1.30E-03	6.18E-03	1.01E-03	7.56E-04
3203	562544.4	4234440	7.54E-03	1.28E-03	6.09E-03	9.97E-04	7.45E-04
3204	562548.7	4234432	7.42E-03	1.26E-03	5.99E-03	9.81E-04	7.33E-04
3205	562553	4234423	7.30E-03	1.24E-03	5.90E-03	9.66E-04	7.21E-04
3206	562557.2	4234415	7.18E-03	1.22E-03	5.80E-03	9.50E-04	7.09E-04
3207	562561.5	4234407	7.06E-03	1.20E-03	5.70E-03	9.34E-04	6.98E-04
3208	562565.8	4234399	6.95E-03	1.18E-03	5.61E-03	9.19E-04	6.87E-04
3209	562570	4234390	6.85E-03	1.16E-03	5.53E-03	9.06E-04	6.76E-04
3210	562574.3	4234382	6.75E-03	1.15E-03	5.45E-03	8.93E-04	6.67E-04
3211	562578.6	4234374	6.67E-03	1.13E-03	5.39E-03	8.82E-04	6.59E-04
3212	562582.8	4234366	6.61E-03	1.12E-03	5.33E-03	8.74E-04	6.52E-04
3213	562587.1	4234357	6.56E-03	1.11E-03	5.29E-03	8.67E-04	6.47E-04
3214	562591.4	4234349	6.52E-03	1.11E-03	5.27E-03	8.63E-04	6.44E-04
3215	562595.6	4234341	6.51E-03	1.10E-03	5.26E-03	8.61E-04	6.43E-04
3216	562599.9	4234333	6.50E-03	1.10E-03	5.25E-03	8.60E-04	6.42E-04
3217	562604.2	4234324	6.48E-03	1.10E-03	5.23E-03	8.57E-04	6.40E-04
3218	562608.4	4234316	6.46E-03	1.10E-03	5.21E-03	8.54E-04	6.38E-04
3219	562612.7	4234308	6.43E-03	1.09E-03	5.19E-03	8.51E-04	6.35E-04

3220	562617	4234300	6.49E-03	1.10E-03	5.24E-03	8.59E-04	6.41E-04
3221	562621.2	4234291	6.59E-03	1.12E-03	5.32E-03	8.72E-04	6.51E-04
3222	562625.5	4234283	6.71E-03	1.14E-03	5.42E-03	8.87E-04	6.62E-04
3223	562629.8	4234275	6.84E-03	1.16E-03	5.52E-03	9.04E-04	6.75E-04
3224	562634	4234267	6.98E-03	1.18E-03	5.63E-03	9.23E-04	6.89E-04
3225	562638.3	4234258	7.13E-03	1.21E-03	5.76E-03	9.43E-04	7.04E-04
3226	562642.5	4234250	7.29E-03	1.24E-03	5.89E-03	9.64E-04	7.20E-04
3227	562646.8	4234242	7.53E-03	1.28E-03	6.08E-03	9.95E-04	7.43E-04
3228	562651.1	4234234	7.80E-03	1.32E-03	6.30E-03	1.03E-03	7.70E-04
3229	562655.3	4234225	8.05E-03	1.37E-03	6.50E-03	1.07E-03	7.95E-04
3230	562659.6	4234217	8.29E-03	1.41E-03	6.70E-03	1.10E-03	8.19E-04
3231	562663.9	4234209	8.50E-03	1.44E-03	6.86E-03	1.12E-03	8.39E-04
3232	562668.1	4234201	8.70E-03	1.48E-03	7.03E-03	1.15E-03	8.60E-04
3233	562672.4	4234192	8.91E-03	1.51E-03	7.20E-03	1.18E-03	8.80E-04
3234	562676.7	4234184	9.12E-03	1.55E-03	7.36E-03	1.21E-03	9.01E-04
3235	562680.9	4234176	9.33E-03	1.58E-03	7.53E-03	1.23E-03	9.21E-04
3236	562685.2	4234168	9.54E-03	1.62E-03	7.70E-03	1.26E-03	9.42E-04
3237	562698.3	4234156	1.01E-02	1.72E-03	8.17E-03	1.34E-03	9.99E-04
3238	562707.2	4234154	1.05E-02	1.78E-03	8.47E-03	1.39E-03	1.04E-03
3239	562716	4234151	1.09E-02	1.85E-03	8.79E-03	1.44E-03	1.08E-03
3240	562724.8	4234148	1.13E-02	1.91E-03	9.11E-03	1.49E-03	1.11E-03
3241	562733.7	4234145	1.17E-02	1.98E-03	9.44E-03	1.55E-03	1.15E-03
3242	562742.5	4234142	1.21E-02	2.05E-03	9.78E-03	1.60E-03	1.20E-03
3243	562751.4	4234139	1.25E-02	2.13E-03	1.01E-02	1.66E-03	1.24E-03
3244	562760.2	4234137	1.30E-02	2.20E-03	1.05E-02	1.71E-03	1.28E-03
3245	562769.1	4234134	1.34E-02	2.27E-03	1.08E-02	1.77E-03	1.32E-03
3246	562777.9	4234131	1.38E-02	2.34E-03	1.11E-02	1.82E-03	1.36E-03
3247	562786.8	4234128	1.42E-02	2.41E-03	1.15E-02	1.88E-03	1.40E-03
3248	562795.6	4234125	1.46E-02	2.48E-03	1.18E-02	1.93E-03	1.44E-03
3249	562804.4	4234123	1.50E-02	2.55E-03	1.21E-02	1.99E-03	1.48E-03
3250	562813.3	4234120	1.54E-02	2.61E-03	1.24E-02	2.04E-03	1.52E-03
3251	562822.1	4234117	1.58E-02	2.67E-03	1.27E-02	2.08E-03	1.56E-03
3252	562831	4234114	1.61E-02	2.73E-03	1.30E-02	2.13E-03	1.59E-03
3253	562839.8	4234111	1.64E-02	2.78E-03	1.32E-02	2.17E-03	1.62E-03
3254	562848.7	4234108	1.66E-02	2.83E-03	1.34E-02	2.20E-03	1.64E-03
3255	562857.5	4234106	1.69E-02	2.86E-03	1.36E-02	2.23E-03	1.67E-03
3256	562866.4	4234103	1.71E-02	2.89E-03	1.38E-02	2.26E-03	1.68E-03
3257	562875.2	4234100	1.72E-02	2.92E-03	1.39E-02	2.27E-03	1.70E-03
3258	562884	4234097	1.73E-02	2.93E-03	1.40E-02	2.29E-03	1.71E-03
3259	562892.9	4234094	1.73E-02	2.94E-03	1.40E-02	2.29E-03	1.71E-03
3260	562901.7	4234091	1.73E-02	2.94E-03	1.40E-02	2.29E-03	1.71E-03
3261	562910.6	4234089	1.72E-02	2.92E-03	1.39E-02	2.28E-03	1.70E-03
3262	562919.4	4234086	1.71E-02	2.90E-03	1.38E-02	2.26E-03	1.69E-03
3263	562928.3	4234083	1.69E-02	2.87E-03	1.37E-02	2.24E-03	1.67E-03
3264	562937.1	4234080	1.67E-02	2.84E-03	1.35E-02	2.21E-03	1.65E-03
3265	562946	4234077	1.64E-02	2.79E-03	1.33E-02	2.17E-03	1.62E-03
3266	562954.8	4234074	1.61E-02	2.74E-03	1.30E-02	2.13E-03	1.59E-03
3267	562990.2	4234063	1.45E-02	2.47E-03	1.17E-02	1.92E-03	1.44E-03
3268	562999	4234060	1.41E-02	2.39E-03	1.14E-02	1.86E-03	1.39E-03
3269	563007.9	4234057	1.36E-02	2.30E-03	1.10E-02	1.79E-03	1.34E-03
3270	563016.7	4234055	1.30E-02	2.21E-03	1.05E-02	1.72E-03	1.29E-03
3271	563025.5	4234052	1.25E-02	2.12E-03	1.01E-02	1.65E-03	1.23E-03

3272	563034.4	4234049	1.20E-02	2.03E-03	9.65E-03	1.58E-03	1.18E-03
3273	563043.2	4234046	1.15E-02	1.95E-03	9.28E-03	1.52E-03	1.13E-03
3274	563052.1	4234043	1.10E-02	1.87E-03	8.90E-03	1.46E-03	1.09E-03
3275	563060.9	4234040	1.06E-02	1.79E-03	8.54E-03	1.40E-03	1.04E-03
3276	563069.8	4234038	1.01E-02	1.72E-03	8.19E-03	1.34E-03	1.00E-03
3277	563078.6	4234035	9.73E-03	1.65E-03	7.85E-03	1.29E-03	9.61E-04
3278	563087.5	4234032	9.33E-03	1.58E-03	7.53E-03	1.23E-03	9.21E-04
3279	563096.3	4234029	8.95E-03	1.52E-03	7.22E-03	1.18E-03	8.84E-04
3280	563105.1	4234026	8.59E-03	1.46E-03	6.93E-03	1.14E-03	8.48E-04
3281	563114	4234023	8.25E-03	1.40E-03	6.66E-03	1.09E-03	8.15E-04
3282	563122.8	4234021	7.93E-03	1.35E-03	6.41E-03	1.05E-03	7.84E-04
3283	563131.7	4234018	7.64E-03	1.30E-03	6.17E-03	1.01E-03	7.55E-04
3284	562471.9	4234580	7.98E-03	1.35E-03	6.45E-03	1.06E-03	7.88E-04
3285	562471.1	4234589	7.93E-03	1.35E-03	6.40E-03	1.05E-03	7.83E-04
3286	562470.3	4234599	7.86E-03	1.33E-03	6.34E-03	1.04E-03	7.76E-04
3287	562469.5	4234608	7.77E-03	1.32E-03	6.27E-03	1.03E-03	7.67E-04
3288	562468.7	4234617	7.66E-03	1.30E-03	6.19E-03	1.01E-03	7.57E-04
3289	562467.9	4234627	7.55E-03	1.28E-03	6.09E-03	9.98E-04	7.45E-04
3290	562467.1	4234636	7.41E-03	1.26E-03	5.99E-03	9.80E-04	7.32E-04
3291	562466.3	4234645	7.27E-03	1.23E-03	5.87E-03	9.61E-04	7.18E-04
3292	562465.5	4234655	7.11E-03	1.21E-03	5.74E-03	9.41E-04	7.03E-04
3293	562464.7	4234664	6.95E-03	1.18E-03	5.61E-03	9.19E-04	6.87E-04
3294	562463.9	4234673	6.78E-03	1.15E-03	5.47E-03	8.97E-04	6.70E-04
3295	562463.2	4234682	6.60E-03	1.12E-03	5.33E-03	8.73E-04	6.52E-04
3296	562462.4	4234692	6.42E-03	1.09E-03	5.18E-03	8.48E-04	6.34E-04
3297	562436.4	4234568	7.44E-03	1.26E-03	6.01E-03	9.84E-04	7.35E-04
3298	562440.6	4234560	7.52E-03	1.28E-03	6.07E-03	9.95E-04	7.43E-04
3299	562444.9	4234552	7.59E-03	1.29E-03	6.13E-03	1.00E-03	7.49E-04
3300	562449.2	4234543	7.64E-03	1.30E-03	6.17E-03	1.01E-03	7.55E-04
3301	562453.5	4234535	7.68E-03	1.30E-03	6.20E-03	1.02E-03	7.58E-04
3302	562457.8	4234527	7.70E-03	1.31E-03	6.22E-03	1.02E-03	7.60E-04
3303	562462.1	4234519	7.71E-03	1.31E-03	6.22E-03	1.02E-03	7.61E-04
3304	562466.4	4234510	7.70E-03	1.31E-03	6.22E-03	1.02E-03	7.61E-04
3305	562470.7	4234502	7.68E-03	1.30E-03	6.20E-03	1.02E-03	7.59E-04
3306	562475	4234494	7.65E-03	1.30E-03	6.18E-03	1.01E-03	7.55E-04
3307	562479.2	4234485	7.61E-03	1.29E-03	6.14E-03	1.01E-03	7.51E-04
3308	562483.5	4234477	7.55E-03	1.28E-03	6.10E-03	9.98E-04	7.46E-04
3309	562487.8	4234469	7.48E-03	1.27E-03	6.04E-03	9.89E-04	7.39E-04
3310	562492.1	4234460	7.40E-03	1.26E-03	5.98E-03	9.79E-04	7.31E-04
3311	562496.4	4234452	7.32E-03	1.24E-03	5.91E-03	9.68E-04	7.23E-04
3312	562500.7	4234444	7.22E-03	1.23E-03	5.83E-03	9.55E-04	7.13E-04
3313	562505	4234436	7.12E-03	1.21E-03	5.75E-03	9.42E-04	7.03E-04
3314	562509.3	4234427	7.01E-03	1.19E-03	5.66E-03	9.27E-04	6.92E-04
3315	562513.6	4234419	6.90E-03	1.17E-03	5.57E-03	9.12E-04	6.81E-04
3316	562517.8	4234411	6.78E-03	1.15E-03	5.48E-03	8.97E-04	6.70E-04
3317	562522.1	4234402	6.67E-03	1.13E-03	5.38E-03	8.82E-04	6.58E-04
3318	562526.4	4234394	6.55E-03	1.11E-03	5.29E-03	8.66E-04	6.47E-04
3319	562530.7	4234386	6.44E-03	1.09E-03	5.20E-03	8.51E-04	6.36E-04
3320	562535	4234378	6.33E-03	1.07E-03	5.11E-03	8.37E-04	6.25E-04
3321	562539.3	4234369	6.23E-03	1.06E-03	5.03E-03	8.25E-04	6.16E-04
3322	562543.6	4234361	6.15E-03	1.04E-03	4.96E-03	8.13E-04	6.07E-04
3323	562547.9	4234353	6.07E-03	1.03E-03	4.90E-03	8.03E-04	6.00E-04

3324	562552.1	4234344	6.01E-03	1.02E-03	4.85E-03	7.95E-04	5.94E-04
3325	562556.4	4234336	5.96E-03	1.01E-03	4.81E-03	7.89E-04	5.89E-04
3326	562560.7	4234328	5.93E-03	1.01E-03	4.79E-03	7.85E-04	5.86E-04
3327	562565	4234319	5.92E-03	1.00E-03	4.78E-03	7.83E-04	5.85E-04
3328	562569.3	4234311	5.92E-03	1.01E-03	4.78E-03	7.83E-04	5.85E-04
3329	562573.6	4234303	5.93E-03	1.01E-03	4.79E-03	7.84E-04	5.86E-04
3330	562577.9	4234295	5.92E-03	1.00E-03	4.78E-03	7.83E-04	5.85E-04
3331	562582.2	4234286	5.91E-03	1.00E-03	4.77E-03	7.82E-04	5.84E-04
3332	562586.5	4234278	5.91E-03	1.00E-03	4.78E-03	7.82E-04	5.84E-04
3333	562590.7	4234270	5.99E-03	1.02E-03	4.83E-03	7.92E-04	5.91E-04
3334	562595	4234261	6.09E-03	1.03E-03	4.91E-03	8.05E-04	6.01E-04
3335	562599.3	4234253	6.20E-03	1.05E-03	5.00E-03	8.20E-04	6.12E-04
3336	562603.6	4234245	6.32E-03	1.07E-03	5.10E-03	8.36E-04	6.24E-04
3337	562607.9	4234237	6.45E-03	1.09E-03	5.21E-03	8.53E-04	6.37E-04
3338	562612.2	4234228	6.59E-03	1.12E-03	5.32E-03	8.72E-04	6.51E-04
3339	562616.5	4234220	6.76E-03	1.15E-03	5.46E-03	8.94E-04	6.68E-04
3340	562620.8	4234212	6.96E-03	1.18E-03	5.62E-03	9.20E-04	6.87E-04
3341	562625.1	4234203	7.16E-03	1.21E-03	5.78E-03	9.46E-04	7.07E-04
3342	562629.3	4234195	7.36E-03	1.25E-03	5.94E-03	9.73E-04	7.27E-04
3343	562633.6	4234187	7.57E-03	1.28E-03	6.11E-03	1.00E-03	7.48E-04
3344	562637.9	4234179	7.78E-03	1.32E-03	6.28E-03	1.03E-03	7.69E-04
3345	562642.2	4234170	8.00E-03	1.36E-03	6.46E-03	1.06E-03	7.90E-04
3346	562646.5	4234162	8.19E-03	1.39E-03	6.62E-03	1.08E-03	8.09E-04
3347	562650.8	4234154	8.38E-03	1.42E-03	6.77E-03	1.11E-03	8.28E-04
3348	562655.1	4234145	8.57E-03	1.45E-03	6.92E-03	1.13E-03	8.46E-04
3349	562659.4	4234137	8.75E-03	1.49E-03	7.07E-03	1.16E-03	8.64E-04
3350	562672.5	4234126	9.26E-03	1.57E-03	7.48E-03	1.22E-03	9.15E-04
3351	562681.4	4234123	9.60E-03	1.63E-03	7.75E-03	1.27E-03	9.48E-04
3352	562690.3	4234120	9.94E-03	1.69E-03	8.03E-03	1.31E-03	9.82E-04
3353	562699.2	4234117	1.03E-02	1.75E-03	8.31E-03	1.36E-03	1.02E-03
3354	562708.1	4234115	1.07E-02	1.81E-03	8.60E-03	1.41E-03	1.05E-03
3355	562717	4234112	1.10E-02	1.87E-03	8.90E-03	1.46E-03	1.09E-03
3356	562725.9	4234109	1.14E-02	1.93E-03	9.20E-03	1.51E-03	1.13E-03
3357	562734.8	4234106	1.18E-02	2.00E-03	9.50E-03	1.56E-03	1.16E-03
3358	562743.7	4234103	1.22E-02	2.06E-03	9.81E-03	1.61E-03	1.20E-03
3359	562752.6	4234100	1.25E-02	2.13E-03	1.01E-02	1.66E-03	1.24E-03
3360	562761.5	4234097	1.29E-02	2.19E-03	1.04E-02	1.71E-03	1.27E-03
3361	562770.4	4234095	1.33E-02	2.25E-03	1.07E-02	1.76E-03	1.31E-03
3362	562779.2	4234092	1.36E-02	2.32E-03	1.10E-02	1.80E-03	1.35E-03
3363	562788.1	4234089	1.40E-02	2.38E-03	1.13E-02	1.85E-03	1.38E-03
3364	562797	4234086	1.43E-02	2.43E-03	1.16E-02	1.90E-03	1.42E-03
3365	562805.9	4234083	1.47E-02	2.49E-03	1.18E-02	1.94E-03	1.45E-03
3366	562814.8	4234080	1.50E-02	2.54E-03	1.21E-02	1.98E-03	1.48E-03
3367	562823.7	4234078	1.52E-02	2.58E-03	1.23E-02	2.01E-03	1.50E-03
3368	562832.6	4234075	1.55E-02	2.62E-03	1.25E-02	2.05E-03	1.53E-03
3369	562841.5	4234072	1.57E-02	2.66E-03	1.27E-02	2.07E-03	1.55E-03
3370	562850.4	4234069	1.58E-02	2.69E-03	1.28E-02	2.10E-03	1.56E-03
3371	562859.3	4234066	1.60E-02	2.71E-03	1.29E-02	2.11E-03	1.58E-03
3372	562868.2	4234063	1.61E-02	2.72E-03	1.30E-02	2.12E-03	1.59E-03
3373	562877.1	4234060	1.61E-02	2.73E-03	1.30E-02	2.13E-03	1.59E-03
3374	562885.9	4234058	1.61E-02	2.73E-03	1.30E-02	2.13E-03	1.59E-03
3375	562894.8	4234055	1.60E-02	2.72E-03	1.30E-02	2.12E-03	1.58E-03

3376	562903.7	4234052	1.59E-02	2.71E-03	1.29E-02	2.11E-03	1.58E-03
3377	562912.6	4234049	1.58E-02	2.68E-03	1.28E-02	2.09E-03	1.56E-03
3378	562921.5	4234046	1.56E-02	2.65E-03	1.26E-02	2.07E-03	1.54E-03
3379	562930.4	4234043	1.54E-02	2.61E-03	1.24E-02	2.04E-03	1.52E-03
3380	562939.3	4234041	1.51E-02	2.57E-03	1.22E-02	2.00E-03	1.49E-03
3381	562948.2	4234038	1.48E-02	2.51E-03	1.20E-02	1.96E-03	1.46E-03
3382	562957.1	4234035	1.45E-02	2.46E-03	1.17E-02	1.92E-03	1.43E-03
3383	562966	4234032	1.41E-02	2.40E-03	1.14E-02	1.87E-03	1.39E-03
3384	562992.6	4234023	1.29E-02	2.19E-03	1.04E-02	1.71E-03	1.28E-03
3385	563001.5	4234021	1.25E-02	2.12E-03	1.01E-02	1.65E-03	1.23E-03
3386	563010.4	4234018	1.20E-02	2.04E-03	9.70E-03	1.59E-03	1.19E-03
3387	563019.3	4234015	1.15E-02	1.96E-03	9.31E-03	1.52E-03	1.14E-03
3388	563028.2	4234012	1.10E-02	1.87E-03	8.92E-03	1.46E-03	1.09E-03
3389	563037.1	4234009	1.06E-02	1.80E-03	8.55E-03	1.40E-03	1.05E-03
3390	563046	4234006	1.02E-02	1.73E-03	8.22E-03	1.35E-03	1.01E-03
3391	563054.9	4234004	9.78E-03	1.66E-03	7.90E-03	1.29E-03	9.66E-04
3392	563063.8	4234001	9.39E-03	1.59E-03	7.58E-03	1.24E-03	9.27E-04
3393	563072.7	4233998	9.01E-03	1.53E-03	7.28E-03	1.19E-03	8.90E-04
3394	563081.6	4233995	8.65E-03	1.47E-03	6.99E-03	1.14E-03	8.55E-04
3395	563090.5	4233992	8.31E-03	1.41E-03	6.71E-03	1.10E-03	8.21E-04
3396	563099.3	4233989	7.99E-03	1.36E-03	6.45E-03	1.06E-03	7.89E-04
3397	563108.2	4233986	7.68E-03	1.30E-03	6.20E-03	1.02E-03	7.59E-04
3398	563117.1	4233984	7.39E-03	1.25E-03	5.97E-03	9.78E-04	7.30E-04
3399	563126	4233981	7.13E-03	1.21E-03	5.75E-03	9.43E-04	7.04E-04
3400	563134.9	4233978	6.88E-03	1.17E-03	5.55E-03	9.10E-04	6.79E-04
3401	562432.1	4234577	7.35E-03	1.25E-03	5.93E-03	9.72E-04	7.26E-04
3402	562431.3	4234586	7.29E-03	1.24E-03	5.89E-03	9.64E-04	7.20E-04
3403	562430.5	4234595	7.22E-03	1.23E-03	5.83E-03	9.55E-04	7.13E-04
3404	562429.7	4234605	7.14E-03	1.21E-03	5.76E-03	9.44E-04	7.05E-04
3405	562428.9	4234614	7.04E-03	1.19E-03	5.68E-03	9.31E-04	6.95E-04
3406	562428.1	4234623	6.93E-03	1.18E-03	5.59E-03	9.16E-04	6.84E-04
3407	562427.3	4234632	6.81E-03	1.16E-03	5.50E-03	9.00E-04	6.72E-04
3408	562426.5	4234642	6.68E-03	1.13E-03	5.39E-03	8.83E-04	6.60E-04
3409	562425.7	4234651	6.54E-03	1.11E-03	5.28E-03	8.65E-04	6.46E-04
3410	562424.9	4234660	6.39E-03	1.08E-03	5.16E-03	8.45E-04	6.31E-04
3411	562424.1	4234670	6.24E-03	1.06E-03	5.04E-03	8.25E-04	6.16E-04
3412	562423.3	4234679	6.08E-03	1.03E-03	4.91E-03	8.04E-04	6.01E-04
3413	562422.5	4234688	5.92E-03	1.00E-03	4.78E-03	7.82E-04	5.84E-04
3414	562396.4	4234565	6.88E-03	1.17E-03	5.55E-03	9.09E-04	6.79E-04
3415	562400.7	4234557	6.95E-03	1.18E-03	5.62E-03	9.20E-04	6.87E-04
3416	562404.9	4234549	7.02E-03	1.19E-03	5.67E-03	9.29E-04	6.94E-04
3417	562409.2	4234540	7.08E-03	1.20E-03	5.72E-03	9.36E-04	6.99E-04
3418	562413.4	4234532	7.13E-03	1.21E-03	5.75E-03	9.42E-04	7.04E-04
3419	562417.6	4234524	7.16E-03	1.21E-03	5.78E-03	9.47E-04	7.07E-04
3420	562421.9	4234516	7.18E-03	1.22E-03	5.80E-03	9.49E-04	7.09E-04
3421	562426.1	4234508	7.19E-03	1.22E-03	5.80E-03	9.51E-04	7.10E-04
3422	562430.3	4234499	7.19E-03	1.22E-03	5.80E-03	9.50E-04	7.10E-04
3423	562434.6	4234491	7.17E-03	1.22E-03	5.79E-03	9.48E-04	7.08E-04
3424	562438.8	4234483	7.14E-03	1.21E-03	5.77E-03	9.45E-04	7.06E-04
3425	562443	4234475	7.11E-03	1.21E-03	5.74E-03	9.40E-04	7.02E-04
3426	562447.3	4234467	7.06E-03	1.20E-03	5.70E-03	9.34E-04	6.97E-04
3427	562451.5	4234459	7.00E-03	1.19E-03	5.65E-03	9.26E-04	6.92E-04

3428	562455.7	4234450	6.93E-03	1.18E-03	5.60E-03	9.17E-04	6.85E-04
3429	562460	4234442	6.86E-03	1.16E-03	5.54E-03	9.07E-04	6.77E-04
3430	562464.2	4234434	6.77E-03	1.15E-03	5.47E-03	8.96E-04	6.69E-04
3431	562468.4	4234426	6.68E-03	1.13E-03	5.39E-03	8.84E-04	6.60E-04
3432	562472.7	4234418	6.58E-03	1.12E-03	5.31E-03	8.70E-04	6.50E-04
3433	562476.9	4234409	6.48E-03	1.10E-03	5.23E-03	8.57E-04	6.40E-04
3434	562481.1	4234401	6.37E-03	1.08E-03	5.14E-03	8.42E-04	6.29E-04
3435	562485.4	4234393	6.26E-03	1.06E-03	5.06E-03	8.28E-04	6.18E-04
3436	562489.6	4234385	6.15E-03	1.04E-03	4.97E-03	8.13E-04	6.07E-04
3437	562493.8	4234377	6.04E-03	1.03E-03	4.88E-03	7.99E-04	5.97E-04
3438	562498.1	4234368	5.94E-03	1.01E-03	4.79E-03	7.85E-04	5.86E-04
3439	562502.3	4234360	5.83E-03	9.90E-04	4.71E-03	7.72E-04	5.76E-04
3440	562506.6	4234352	5.74E-03	9.74E-04	4.64E-03	7.59E-04	5.67E-04
3441	562510.8	4234344	5.66E-03	9.60E-04	4.57E-03	7.48E-04	5.59E-04
3442	562515	4234336	5.58E-03	9.47E-04	4.51E-03	7.38E-04	5.51E-04
3443	562519.3	4234327	5.52E-03	9.37E-04	4.46E-03	7.30E-04	5.45E-04
3444	562523.5	4234319	5.47E-03	9.28E-04	4.42E-03	7.23E-04	5.40E-04
3445	562527.7	4234311	5.44E-03	9.22E-04	4.39E-03	7.19E-04	5.37E-04
3446	562532	4234303	5.41E-03	9.19E-04	4.37E-03	7.16E-04	5.35E-04
3447	562536.2	4234295	5.41E-03	9.18E-04	4.37E-03	7.15E-04	5.34E-04
3448	562540.4	4234287	5.42E-03	9.19E-04	4.37E-03	7.16E-04	5.35E-04
3449	562544.7	4234278	5.44E-03	9.23E-04	4.39E-03	7.20E-04	5.37E-04
3450	562548.9	4234270	5.45E-03	9.24E-04	4.40E-03	7.20E-04	5.38E-04
3451	562553.1	4234262	5.45E-03	9.24E-04	4.40E-03	7.21E-04	5.38E-04
3452	562557.4	4234254	5.46E-03	9.26E-04	4.41E-03	7.22E-04	5.39E-04
3453	562561.6	4234246	5.49E-03	9.32E-04	4.43E-03	7.26E-04	5.42E-04
3454	562565.8	4234237	5.58E-03	9.47E-04	4.51E-03	7.38E-04	5.51E-04
3455	562570.1	4234229	5.68E-03	9.63E-04	4.58E-03	7.51E-04	5.61E-04
3456	562574.3	4234221	5.79E-03	9.82E-04	4.67E-03	7.65E-04	5.71E-04
3457	562578.5	4234213	5.90E-03	1.00E-03	4.77E-03	7.80E-04	5.83E-04
3458	562582.8	4234205	6.03E-03	1.02E-03	4.87E-03	7.97E-04	5.95E-04
3459	562587	4234196	6.16E-03	1.04E-03	4.97E-03	8.14E-04	6.08E-04
3460	562591.2	4234188	6.29E-03	1.07E-03	5.08E-03	8.32E-04	6.21E-04
3461	562595.5	4234180	6.43E-03	1.09E-03	5.19E-03	8.51E-04	6.35E-04
3462	562599.7	4234172	6.58E-03	1.12E-03	5.31E-03	8.70E-04	6.50E-04
3463	562604	4234164	6.73E-03	1.14E-03	5.43E-03	8.90E-04	6.65E-04
3464	562608.2	4234156	6.88E-03	1.17E-03	5.56E-03	9.10E-04	6.80E-04
3465	562612.4	4234147	7.04E-03	1.19E-03	5.68E-03	9.31E-04	6.95E-04
3466	562616.7	4234139	7.22E-03	1.22E-03	5.83E-03	9.54E-04	7.13E-04
3467	562620.9	4234131	7.41E-03	1.26E-03	5.98E-03	9.80E-04	7.32E-04
3468	562625.1	4234123	7.60E-03	1.29E-03	6.14E-03	1.01E-03	7.51E-04
3469	562629.4	4234115	7.80E-03	1.32E-03	6.30E-03	1.03E-03	7.70E-04
3470	562633.6	4234106	7.99E-03	1.36E-03	6.45E-03	1.06E-03	7.89E-04
3471	562646.6	4234095	8.51E-03	1.44E-03	6.87E-03	1.13E-03	8.41E-04
3472	562655.4	4234093	8.80E-03	1.49E-03	7.11E-03	1.16E-03	8.69E-04
3473	562664.2	4234090	9.10E-03	1.54E-03	7.35E-03	1.20E-03	8.99E-04
3474	562673	4234087	9.41E-03	1.60E-03	7.60E-03	1.24E-03	9.29E-04
3475	562681.7	4234084	9.72E-03	1.65E-03	7.85E-03	1.29E-03	9.60E-04
3476	562690.5	4234081	1.00E-02	1.70E-03	8.11E-03	1.33E-03	9.92E-04
3477	562699.3	4234079	1.04E-02	1.76E-03	8.37E-03	1.37E-03	1.02E-03
3478	562708.1	4234076	1.07E-02	1.82E-03	8.64E-03	1.42E-03	1.06E-03
3479	562716.9	4234073	1.10E-02	1.87E-03	8.91E-03	1.46E-03	1.09E-03

3480	562725.6	4234070	1.14E-02	1.93E-03	9.18E-03	1.50E-03	1.12E-03
3481	562734.4	4234067	1.17E-02	1.99E-03	9.45E-03	1.55E-03	1.16E-03
3482	562743.2	4234064	1.20E-02	2.04E-03	9.72E-03	1.59E-03	1.19E-03
3483	562752	4234062	1.24E-02	2.10E-03	9.99E-03	1.64E-03	1.22E-03
3484	562760.8	4234059	1.27E-02	2.15E-03	1.02E-02	1.68E-03	1.25E-03
3485	562769.5	4234056	1.30E-02	2.21E-03	1.05E-02	1.72E-03	1.28E-03
3486	562778.3	4234053	1.33E-02	2.26E-03	1.07E-02	1.76E-03	1.31E-03
3487	562787.1	4234050	1.36E-02	2.31E-03	1.10E-02	1.80E-03	1.34E-03
3488	562795.9	4234048	1.39E-02	2.35E-03	1.12E-02	1.83E-03	1.37E-03
3489	562804.7	4234045	1.41E-02	2.40E-03	1.14E-02	1.87E-03	1.39E-03
3490	562813.4	4234042	1.43E-02	2.43E-03	1.16E-02	1.90E-03	1.42E-03
3491	562822.2	4234039	1.45E-02	2.47E-03	1.17E-02	1.92E-03	1.44E-03
3492	562831	4234036	1.47E-02	2.49E-03	1.19E-02	1.94E-03	1.45E-03
3493	562839.8	4234034	1.48E-02	2.52E-03	1.20E-02	1.96E-03	1.47E-03
3494	562848.6	4234031	1.49E-02	2.53E-03	1.21E-02	1.98E-03	1.47E-03
3495	562857.3	4234028	1.50E-02	2.54E-03	1.21E-02	1.98E-03	1.48E-03
3496	562866.1	4234025	1.50E-02	2.55E-03	1.21E-02	1.99E-03	1.48E-03
3497	562874.9	4234022	1.50E-02	2.55E-03	1.21E-02	1.98E-03	1.48E-03
3498	562883.7	4234020	1.49E-02	2.54E-03	1.21E-02	1.98E-03	1.48E-03
3499	562892.5	4234017	1.49E-02	2.52E-03	1.20E-02	1.96E-03	1.47E-03
3500	562901.2	4234014	1.47E-02	2.50E-03	1.19E-02	1.95E-03	1.45E-03
3501	562910	4234011	1.45E-02	2.47E-03	1.17E-02	1.92E-03	1.44E-03
3502	562918.8	4234008	1.43E-02	2.43E-03	1.16E-02	1.90E-03	1.42E-03
3503	562927.6	4234005	1.41E-02	2.39E-03	1.14E-02	1.87E-03	1.39E-03
3504	562936.4	4234003	1.38E-02	2.35E-03	1.12E-02	1.83E-03	1.37E-03
3505	562945.1	4234000	1.35E-02	2.30E-03	1.09E-02	1.79E-03	1.34E-03
3506	562953.9	4233997	1.32E-02	2.24E-03	1.07E-02	1.75E-03	1.31E-03
3507	562962.7	4233994	1.29E-02	2.19E-03	1.04E-02	1.70E-03	1.27E-03
3508	562971.5	4233991	1.25E-02	2.13E-03	1.01E-02	1.66E-03	1.24E-03
3509	562997.8	4233983	1.14E-02	1.93E-03	9.21E-03	1.51E-03	1.13E-03
3510	563006.6	4233980	1.10E-02	1.87E-03	8.88E-03	1.45E-03	1.09E-03
3511	563015.4	4233977	1.06E-02	1.79E-03	8.53E-03	1.40E-03	1.04E-03
3512	563024.2	4233975	1.02E-02	1.72E-03	8.20E-03	1.34E-03	1.00E-03
3513	563032.9	4233972	9.75E-03	1.65E-03	7.87E-03	1.29E-03	9.63E-04
3514	563041.7	4233969	9.39E-03	1.59E-03	7.58E-03	1.24E-03	9.27E-04
3515	563050.5	4233966	9.03E-03	1.53E-03	7.29E-03	1.19E-03	8.92E-04
3516	563059.3	4233963	8.67E-03	1.47E-03	7.00E-03	1.15E-03	8.57E-04
3517	563068.1	4233961	8.33E-03	1.41E-03	6.73E-03	1.10E-03	8.23E-04
3518	563076.8	4233958	8.02E-03	1.36E-03	6.47E-03	1.06E-03	7.92E-04
3519	563085.6	4233955	7.72E-03	1.31E-03	6.23E-03	1.02E-03	7.62E-04
3520	563094.4	4233952	7.43E-03	1.26E-03	6.00E-03	9.82E-04	7.34E-04
3521	563103.2	4233949	7.16E-03	1.21E-03	5.78E-03	9.46E-04	7.07E-04
3522	563112	4233946	6.90E-03	1.17E-03	5.57E-03	9.12E-04	6.81E-04
3523	563120.7	4233944	6.66E-03	1.13E-03	5.38E-03	8.81E-04	6.58E-04
3524	563129.5	4233941	6.44E-03	1.09E-03	5.20E-03	8.51E-04	6.36E-04
3525	563138.3	4233938	6.23E-03	1.06E-03	5.03E-03	8.24E-04	6.15E-04
3526	562392.2	4234573	6.79E-03	1.15E-03	5.48E-03	8.97E-04	6.70E-04
3527	562391.4	4234582	6.73E-03	1.14E-03	5.43E-03	8.90E-04	6.64E-04
3528	562390.6	4234592	6.66E-03	1.13E-03	5.38E-03	8.81E-04	6.58E-04
3529	562389.8	4234601	6.58E-03	1.12E-03	5.31E-03	8.70E-04	6.50E-04
3530	562389	4234610	6.49E-03	1.10E-03	5.24E-03	8.58E-04	6.41E-04
3531	562388.2	4234620	6.39E-03	1.08E-03	5.16E-03	8.45E-04	6.31E-04

3532	562387.4	4234629	6.28E-03	1.07E-03	5.07E-03	8.30E-04	6.20E-04
3533	562386.6	4234638	6.16E-03	1.05E-03	4.97E-03	8.15E-04	6.08E-04
3534	562385.8	4234648	6.04E-03	1.02E-03	4.87E-03	7.98E-04	5.96E-04
3535	562385	4234657	5.91E-03	1.00E-03	4.77E-03	7.81E-04	5.83E-04
3536	562384.2	4234666	5.77E-03	9.79E-04	4.66E-03	7.63E-04	5.70E-04
3537	562383.4	4234676	5.63E-03	9.55E-04	4.54E-03	7.44E-04	5.56E-04
3538	562382.6	4234685	5.48E-03	9.30E-04	4.42E-03	7.25E-04	5.41E-04
3539	563069.3	4234753	1.32E-01	2.24E-02	1.07E-01	1.75E-02	1.31E-02
3540	563068.5	4234763	1.28E-01	2.17E-02	1.03E-01	1.69E-02	1.26E-02
3541	563067.6	4234773	1.22E-01	2.07E-02	9.85E-02	1.61E-02	1.20E-02
3542	563066.8	4234782	1.16E-01	1.96E-02	9.34E-02	1.53E-02	1.14E-02
3543	563066	4234792	1.09E-01	1.85E-02	8.81E-02	1.44E-02	1.08E-02
3544	563065.2	4234801	1.02E-01	1.73E-02	8.25E-02	1.35E-02	1.01E-02
3545	563064.3	4234811	9.50E-02	1.61E-02	7.67E-02	1.26E-02	9.38E-03
3546	563063.5	4234821	8.76E-02	1.49E-02	7.07E-02	1.16E-02	8.65E-03
3547	563062.7	4234830	8.01E-02	1.36E-02	6.47E-02	1.06E-02	7.91E-03
3548	563061.8	4234840	7.24E-02	1.23E-02	5.84E-02	9.57E-03	7.15E-03
3549	563061	4234849	6.47E-02	1.10E-02	5.23E-02	8.56E-03	6.39E-03
3550	563060.2	4234859	5.78E-02	9.80E-03	4.66E-02	7.64E-03	5.71E-03
3551	563059.3	4234753	1.12E-01	1.90E-02	9.02E-02	1.48E-02	1.10E-02
3552	563058.5	4234762	1.08E-01	1.83E-02	8.70E-02	1.42E-02	1.06E-02
3553	563057.7	4234772	1.02E-01	1.74E-02	8.27E-02	1.36E-02	1.01E-02
3554	563056.8	4234781	9.70E-02	1.65E-02	7.83E-02	1.28E-02	9.58E-03
3555	563056	4234791	9.13E-02	1.55E-02	7.37E-02	1.21E-02	9.02E-03
3556	563055.2	4234801	8.55E-02	1.45E-02	6.91E-02	1.13E-02	8.45E-03
3557	563054.4	4234810	7.96E-02	1.35E-02	6.43E-02	1.05E-02	7.87E-03
3558	563053.5	4234820	7.37E-02	1.25E-02	5.95E-02	9.75E-03	7.28E-03
3559	563052.7	4234829	6.76E-02	1.15E-02	5.46E-02	8.94E-03	6.67E-03
3560	563051.9	4234839	6.11E-02	1.04E-02	4.94E-02	8.09E-03	6.04E-03
3561	563051	4234849	5.46E-02	9.26E-03	4.41E-02	7.22E-03	5.39E-03
3562	563050.2	4234858	4.85E-02	8.22E-03	3.91E-02	6.41E-03	4.79E-03
3563	563049.4	4234752	9.57E-02	1.62E-02	7.72E-02	1.27E-02	9.45E-03
3564	563048.5	4234761	9.22E-02	1.56E-02	7.45E-02	1.22E-02	9.11E-03
3565	563047.7	4234771	8.76E-02	1.49E-02	7.07E-02	1.16E-02	8.65E-03
3566	563046.9	4234780	8.29E-02	1.41E-02	6.69E-02	1.10E-02	8.18E-03
3567	563046.1	4234790	7.81E-02	1.32E-02	6.30E-02	1.03E-02	7.71E-03
3568	563045.2	4234800	7.33E-02	1.24E-02	5.92E-02	9.69E-03	7.24E-03
3569	563044.4	4234809	6.85E-02	1.16E-02	5.53E-02	9.05E-03	6.76E-03
3570	563043.6	4234819	6.35E-02	1.08E-02	5.13E-02	8.40E-03	6.27E-03
3571	563042.7	4234829	5.83E-02	9.90E-03	4.71E-02	7.71E-03	5.76E-03
3572	563041.9	4234838	5.28E-02	8.96E-03	4.26E-02	6.98E-03	5.21E-03
3573	563041.1	4234848	4.70E-02	7.98E-03	3.80E-02	6.22E-03	4.65E-03
3574	563040.2	4234857	4.17E-02	7.07E-03	3.36E-02	5.51E-03	4.11E-03
3575	563039.4	4234751	8.30E-02	1.41E-02	6.70E-02	1.10E-02	8.20E-03
3576	563038.6	4234760	8.01E-02	1.36E-02	6.47E-02	1.06E-02	7.91E-03
3577	563037.8	4234770	7.61E-02	1.29E-02	6.14E-02	1.01E-02	7.51E-03
3578	563036.9	4234780	7.21E-02	1.22E-02	5.82E-02	9.53E-03	7.12E-03
3579	563036.1	4234789	6.81E-02	1.15E-02	5.50E-02	9.00E-03	6.72E-03
3580	563035.3	4234799	6.40E-02	1.09E-02	5.17E-02	8.47E-03	6.33E-03
3581	563034.4	4234808	6.00E-02	1.02E-02	4.84E-02	7.93E-03	5.92E-03
3582	563033.6	4234818	5.57E-02	9.45E-03	4.50E-02	7.37E-03	5.50E-03
3583	563032.8	4234828	5.12E-02	8.68E-03	4.13E-02	6.77E-03	5.05E-03

3584	563031.9	4234837	4.63E-02	7.85E-03	3.74E-02	6.12E-03	4.57E-03
3585	563031.1	4234847	4.13E-02	7.01E-03	3.33E-02	5.46E-03	4.08E-03
3586	563030.3	4234856	3.65E-02	6.20E-03	2.95E-02	4.83E-03	3.61E-03
3587	563029.5	4234750	7.24E-02	1.23E-02	5.84E-02	9.57E-03	7.15E-03
3588	563028.6	4234760	6.98E-02	1.18E-02	5.63E-02	9.23E-03	6.89E-03
3589	563027.8	4234769	6.66E-02	1.13E-02	5.37E-02	8.80E-03	6.57E-03
3590	563027	4234779	6.34E-02	1.08E-02	5.12E-02	8.38E-03	6.26E-03
3591	563026.1	4234788	6.03E-02	1.02E-02	4.87E-02	7.97E-03	5.95E-03
3592	563025.3	4234798	5.68E-02	9.64E-03	4.59E-02	7.52E-03	5.61E-03
3593	563024.5	4234808	5.33E-02	9.04E-03	4.30E-02	7.05E-03	5.26E-03
3594	563023.6	4234817	4.95E-02	8.40E-03	4.00E-02	6.55E-03	4.89E-03
3595	563022.8	4234827	4.54E-02	7.71E-03	3.67E-02	6.01E-03	4.49E-03
3596	563022	4234836	4.11E-02	6.98E-03	3.32E-02	5.44E-03	4.06E-03
3597	563021.2	4234846	3.68E-02	6.24E-03	2.97E-02	4.86E-03	3.63E-03
3598	563020.3	4234856	3.26E-02	5.54E-03	2.64E-02	4.32E-03	3.22E-03
3599	563019.5	4234749	6.34E-02	1.08E-02	5.12E-02	8.38E-03	6.26E-03
3600	563018.7	4234759	6.10E-02	1.04E-02	4.93E-02	8.07E-03	6.03E-03
3601	563017.8	4234768	5.87E-02	9.96E-03	4.74E-02	7.76E-03	5.80E-03
3602	563017	4234778	5.64E-02	9.57E-03	4.56E-02	7.46E-03	5.57E-03
3603	563016.2	4234788	5.40E-02	9.17E-03	4.36E-02	7.15E-03	5.34E-03
3604	563015.3	4234797	5.10E-02	8.66E-03	4.12E-02	6.75E-03	5.04E-03
3605	563014.5	4234807	4.79E-02	8.12E-03	3.86E-02	6.33E-03	4.73E-03
3606	563013.7	4234816	4.44E-02	7.54E-03	3.59E-02	5.88E-03	4.39E-03
3607	563012.8	4234826	4.08E-02	6.92E-03	3.29E-02	5.39E-03	4.03E-03
3608	563012	4234836	3.69E-02	6.26E-03	2.98E-02	4.88E-03	3.64E-03
3609	563011.2	4234845	3.31E-02	5.61E-03	2.67E-02	4.37E-03	3.26E-03
3610	563010.4	4234855	2.94E-02	5.00E-03	2.38E-02	3.89E-03	2.91E-03
3611	563009.5	4234748	5.63E-02	9.55E-03	4.54E-02	7.44E-03	5.56E-03
3612	563008.7	4234758	5.40E-02	9.17E-03	4.36E-02	7.15E-03	5.34E-03
3613	563007.9	4234767	5.24E-02	8.88E-03	4.23E-02	6.92E-03	5.17E-03
3614	563007	4234777	5.07E-02	8.60E-03	4.09E-02	6.71E-03	5.01E-03
3615	563006.2	4234787	4.90E-02	8.31E-03	3.95E-02	6.48E-03	4.84E-03
3616	563005.4	4234796	4.63E-02	7.85E-03	3.74E-02	6.12E-03	4.57E-03
3617	563004.5	4234806	4.34E-02	7.36E-03	3.50E-02	5.74E-03	4.28E-03
3618	563003.7	4234815	4.02E-02	6.83E-03	3.25E-02	5.32E-03	3.97E-03
3619	563002.9	4234825	3.69E-02	6.26E-03	2.98E-02	4.88E-03	3.64E-03
3620	563002.1	4234835	3.34E-02	5.67E-03	2.70E-02	4.42E-03	3.30E-03
3621	563001.2	4234844	3.00E-02	5.09E-03	2.42E-02	3.97E-03	2.96E-03
3622	563000.4	4234854	2.68E-02	4.55E-03	2.16E-02	3.54E-03	2.65E-03
3623	562999.6	4234747	5.08E-02	8.62E-03	4.10E-02	6.72E-03	5.02E-03
3624	562998.7	4234757	4.87E-02	8.27E-03	3.94E-02	6.45E-03	4.81E-03
3625	562997.9	4234767	4.73E-02	8.03E-03	3.82E-02	6.26E-03	4.67E-03
3626	562997.1	4234776	4.58E-02	7.77E-03	3.70E-02	6.05E-03	4.52E-03
3627	562996.2	4234786	4.41E-02	7.48E-03	3.56E-02	5.83E-03	4.35E-03
3628	562995.4	4234795	4.18E-02	7.09E-03	3.37E-02	5.53E-03	4.13E-03
3629	562994.6	4234805	3.93E-02	6.67E-03	3.18E-02	5.20E-03	3.88E-03
3630	562993.8	4234815	3.66E-02	6.22E-03	2.96E-02	4.85E-03	3.62E-03
3631	562992.9	4234824	3.36E-02	5.70E-03	2.71E-02	4.45E-03	3.32E-03
3632	562992.1	4234834	3.05E-02	5.17E-03	2.46E-02	4.03E-03	3.01E-03
3633	562991.3	4234843	2.74E-02	4.65E-03	2.21E-02	3.63E-03	2.71E-03
3634	562990.4	4234853	2.46E-02	4.17E-03	1.98E-02	3.25E-03	2.43E-03
3635	562989.6	4234747	4.66E-02	7.91E-03	3.76E-02	6.16E-03	4.60E-03

3636	562988.8	4234756	4.48E-02	7.59E-03	3.61E-02	5.92E-03	4.42E-03
3637	562987.9	4234766	4.32E-02	7.33E-03	3.49E-02	5.72E-03	4.27E-03
3638	562987.1	4234775	4.16E-02	7.06E-03	3.36E-02	5.50E-03	4.11E-03
3639	562986.3	4234785	3.98E-02	6.75E-03	3.21E-02	5.26E-03	3.93E-03
3640	562985.4	4234795	3.79E-02	6.43E-03	3.06E-02	5.01E-03	3.74E-03
3641	562984.6	4234804	3.58E-02	6.07E-03	2.89E-02	4.73E-03	3.54E-03
3642	562983.8	4234814	3.36E-02	5.69E-03	2.71E-02	4.44E-03	3.31E-03
3643	562983	4234823	3.08E-02	5.23E-03	2.49E-02	4.08E-03	3.04E-03
3644	562982.1	4234833	2.80E-02	4.75E-03	2.26E-02	3.70E-03	2.76E-03
3645	562981.3	4234843	2.52E-02	4.28E-03	2.04E-02	3.34E-03	2.49E-03
3646	562980.5	4234852	2.26E-02	3.84E-03	1.83E-02	3.00E-03	2.24E-03
3647	562979.6	4234746	4.31E-02	7.31E-03	3.48E-02	5.69E-03	4.25E-03
3648	562978.8	4234755	4.14E-02	7.03E-03	3.34E-02	5.48E-03	4.09E-03
3649	562978	4234765	3.98E-02	6.75E-03	3.21E-02	5.26E-03	3.93E-03
3650	562977.1	4234774	3.81E-02	6.46E-03	3.07E-02	5.04E-03	3.76E-03
3651	562976.3	4234784	3.62E-02	6.14E-03	2.92E-02	4.79E-03	3.58E-03
3652	562975.5	4234794	3.45E-02	5.86E-03	2.79E-02	4.57E-03	3.41E-03
3653	562974.7	4234803	3.28E-02	5.56E-03	2.65E-02	4.33E-03	3.24E-03
3654	562973.8	4234813	3.08E-02	5.23E-03	2.49E-02	4.08E-03	3.05E-03
3655	562973	4234822	2.84E-02	4.82E-03	2.29E-02	3.76E-03	2.81E-03
3656	562972.2	4234832	2.58E-02	4.37E-03	2.08E-02	3.41E-03	2.55E-03
3657	562971.3	4234842	2.32E-02	3.94E-03	1.88E-02	3.07E-03	2.30E-03
3658	562970.5	4234851	2.09E-02	3.54E-03	1.69E-02	2.76E-03	2.06E-03
3659	562959.7	4234744	3.66E-02	6.20E-03	2.95E-02	4.83E-03	3.61E-03
3660	562958.9	4234754	3.52E-02	5.97E-03	2.84E-02	4.65E-03	3.47E-03
3661	562958.1	4234763	3.37E-02	5.72E-03	2.72E-02	4.46E-03	3.33E-03
3662	562957.2	4234773	3.22E-02	5.46E-03	2.60E-02	4.25E-03	3.18E-03
3663	562956.4	4234782	3.05E-02	5.17E-03	2.46E-02	4.03E-03	3.01E-03
3664	562955.6	4234792	2.89E-02	4.91E-03	2.34E-02	3.83E-03	2.86E-03
3665	562954.7	4234802	2.74E-02	4.64E-03	2.21E-02	3.62E-03	2.70E-03
3666	562953.9	4234811	2.57E-02	4.36E-03	2.07E-02	3.40E-03	2.54E-03
3667	562953.1	4234821	2.37E-02	4.03E-03	1.92E-02	3.14E-03	2.34E-03
3668	562952.2	4234830	2.16E-02	3.67E-03	1.75E-02	2.86E-03	2.14E-03
3669	562951.4	4234840	1.96E-02	3.32E-03	1.58E-02	2.59E-03	1.93E-03
3670	562950.6	4234850	1.76E-02	2.99E-03	1.42E-02	2.33E-03	1.74E-03
3671	562939.8	4234742	3.16E-02	5.36E-03	2.55E-02	4.18E-03	3.12E-03
3672	562939	4234752	3.04E-02	5.16E-03	2.46E-02	4.02E-03	3.01E-03
3673	562938.1	4234761	2.92E-02	4.95E-03	2.36E-02	3.86E-03	2.88E-03
3674	562937.3	4234771	2.78E-02	4.72E-03	2.25E-02	3.68E-03	2.75E-03
3675	562936.5	4234781	2.64E-02	4.48E-03	2.13E-02	3.49E-03	2.61E-03
3676	562935.6	4234790	2.49E-02	4.23E-03	2.01E-02	3.29E-03	2.46E-03
3677	562934.8	4234800	2.35E-02	3.98E-03	1.89E-02	3.10E-03	2.32E-03
3678	562934	4234809	2.19E-02	3.72E-03	1.77E-02	2.90E-03	2.16E-03
3679	562933.1	4234819	2.03E-02	3.44E-03	1.64E-02	2.68E-03	2.00E-03
3680	562932.3	4234829	1.85E-02	3.14E-03	1.49E-02	2.45E-03	1.83E-03
3681	562931.5	4234838	1.68E-02	2.86E-03	1.36E-02	2.23E-03	1.66E-03
3682	562930.7	4234848	1.53E-02	2.59E-03	1.23E-02	2.02E-03	1.51E-03
3683	562919.9	4234740	2.82E-02	4.79E-03	2.28E-02	3.74E-03	2.79E-03
3684	562919	4234750	2.72E-02	4.62E-03	2.20E-02	3.60E-03	2.69E-03
3685	562918.2	4234760	2.61E-02	4.42E-03	2.11E-02	3.45E-03	2.57E-03
3686	562917.4	4234769	2.48E-02	4.21E-03	2.00E-02	3.28E-03	2.45E-03
3687	562916.5	4234779	2.35E-02	3.99E-03	1.90E-02	3.11E-03	2.32E-03

3688	562915.7	4234789	2.21E-02	3.75E-03	1.78E-02	2.92E-03	2.18E-03
3689	562914.9	4234798	2.06E-02	3.50E-03	1.66E-02	2.73E-03	2.04E-03
3690	562914	4234808	1.91E-02	3.24E-03	1.54E-02	2.53E-03	1.89E-03
3691	562913.2	4234817	1.76E-02	2.98E-03	1.42E-02	2.32E-03	1.74E-03
3692	562912.4	4234827	1.61E-02	2.73E-03	1.30E-02	2.13E-03	1.59E-03
3693	562911.6	4234837	1.47E-02	2.50E-03	1.19E-02	1.95E-03	1.45E-03
3694	562910.7	4234846	1.35E-02	2.28E-03	1.09E-02	1.78E-03	1.33E-03
3695	562899.9	4234739	2.55E-02	4.33E-03	2.06E-02	3.37E-03	2.52E-03
3696	562899.1	4234748	2.45E-02	4.16E-03	1.98E-02	3.24E-03	2.42E-03
3697	562898.3	4234758	2.34E-02	3.97E-03	1.89E-02	3.09E-03	2.31E-03
3698	562897.4	4234768	2.18E-02	3.70E-03	1.76E-02	2.89E-03	2.16E-03
3699	562896.6	4234777	2.02E-02	3.43E-03	1.63E-02	2.68E-03	2.00E-03
3700	562895.8	4234787	1.87E-02	3.17E-03	1.51E-02	2.47E-03	1.85E-03
3701	562895	4234796	1.74E-02	2.95E-03	1.41E-02	2.30E-03	1.72E-03
3702	562894.1	4234806	1.61E-02	2.74E-03	1.30E-02	2.13E-03	1.59E-03
3703	562893.3	4234816	1.49E-02	2.53E-03	1.20E-02	1.97E-03	1.47E-03
3704	562892.5	4234825	1.39E-02	2.36E-03	1.12E-02	1.84E-03	1.37E-03
3705	562891.6	4234835	1.30E-02	2.21E-03	1.05E-02	1.72E-03	1.28E-03
3706	562890.8	4234844	1.22E-02	2.07E-03	9.83E-03	1.61E-03	1.20E-03
3707	562880	4234737	2.28E-02	3.88E-03	1.84E-02	3.02E-03	2.26E-03
3708	562879.2	4234747	2.19E-02	3.72E-03	1.77E-02	2.90E-03	2.16E-03
3709	562878.3	4234756	2.09E-02	3.54E-03	1.69E-02	2.76E-03	2.06E-03
3710	562877.5	4234766	1.93E-02	3.27E-03	1.56E-02	2.55E-03	1.91E-03
3711	562876.7	4234775	1.78E-02	3.03E-03	1.44E-02	2.36E-03	1.76E-03
3712	562875.9	4234785	1.65E-02	2.79E-03	1.33E-02	2.18E-03	1.63E-03
3713	562875	4234795	1.54E-02	2.61E-03	1.24E-02	2.03E-03	1.52E-03
3714	562874.2	4234804	1.43E-02	2.43E-03	1.15E-02	1.89E-03	1.41E-03
3715	562873.4	4234814	1.32E-02	2.25E-03	1.07E-02	1.75E-03	1.31E-03
3716	562872.5	4234823	1.23E-02	2.09E-03	9.97E-03	1.63E-03	1.22E-03
3717	562871.7	4234833	1.15E-02	1.95E-03	9.29E-03	1.52E-03	1.14E-03
3718	562870.9	4234843	1.07E-02	1.82E-03	8.64E-03	1.42E-03	1.06E-03
3719	562860.1	4234735	1.96E-02	3.33E-03	1.59E-02	2.60E-03	1.94E-03
3720	562859.3	4234745	1.88E-02	3.19E-03	1.52E-02	2.49E-03	1.86E-03
3721	562858.4	4234755	1.79E-02	3.05E-03	1.45E-02	2.37E-03	1.77E-03
3722	562857.6	4234764	1.70E-02	2.88E-03	1.37E-02	2.25E-03	1.68E-03
3723	562856.8	4234774	1.60E-02	2.71E-03	1.29E-02	2.11E-03	1.58E-03
3724	562855.9	4234783	1.50E-02	2.55E-03	1.21E-02	1.98E-03	1.48E-03
3725	562855.1	4234793	1.40E-02	2.38E-03	1.13E-02	1.86E-03	1.39E-03
3726	562854.3	4234803	1.31E-02	2.22E-03	1.06E-02	1.73E-03	1.29E-03
3727	562853.4	4234812	1.21E-02	2.06E-03	9.80E-03	1.61E-03	1.20E-03
3728	562852.6	4234822	1.13E-02	1.91E-03	9.08E-03	1.49E-03	1.11E-03
3729	562851.8	4234831	1.04E-02	1.76E-03	8.39E-03	1.37E-03	1.03E-03
3730	562851	4234841	9.57E-03	1.62E-03	7.73E-03	1.27E-03	9.46E-04
3731	562840.2	4234734	1.79E-02	3.04E-03	1.45E-02	2.37E-03	1.77E-03
3732	562839.3	4234743	1.74E-02	2.95E-03	1.40E-02	2.30E-03	1.72E-03
3733	562838.5	4234753	1.69E-02	2.86E-03	1.36E-02	2.23E-03	1.66E-03
3734	562837.7	4234762	1.61E-02	2.74E-03	1.30E-02	2.13E-03	1.59E-03
3735	562836.8	4234772	1.53E-02	2.59E-03	1.23E-02	2.02E-03	1.51E-03
3736	562836	4234782	1.44E-02	2.45E-03	1.16E-02	1.91E-03	1.42E-03
3737	562835.2	4234791	1.35E-02	2.30E-03	1.09E-02	1.79E-03	1.34E-03
3738	562834.3	4234801	1.27E-02	2.15E-03	1.02E-02	1.68E-03	1.25E-03
3739	562833.5	4234810	1.18E-02	2.00E-03	9.53E-03	1.56E-03	1.17E-03

3740	562832.7	4234820	1.10E-02	1.86E-03	8.85E-03	1.45E-03	1.08E-03
3741	562831.9	4234830	1.01E-02	1.72E-03	8.20E-03	1.34E-03	1.00E-03
3742	562831	4234839	9.38E-03	1.59E-03	7.57E-03	1.24E-03	9.26E-04
3743	562820.2	4234732	1.67E-02	2.84E-03	1.35E-02	2.21E-03	1.65E-03
3744	562819.4	4234741	1.65E-02	2.79E-03	1.33E-02	2.18E-03	1.63E-03
3745	562818.6	4234751	1.61E-02	2.74E-03	1.30E-02	2.13E-03	1.59E-03
3746	562817.7	4234761	1.55E-02	2.64E-03	1.25E-02	2.05E-03	1.53E-03
3747	562816.9	4234770	1.47E-02	2.49E-03	1.19E-02	1.94E-03	1.45E-03
3748	562816.1	4234780	1.38E-02	2.35E-03	1.12E-02	1.83E-03	1.37E-03
3749	562815.3	4234790	1.30E-02	2.20E-03	1.05E-02	1.71E-03	1.28E-03
3750	562814.4	4234799	1.21E-02	2.06E-03	9.78E-03	1.60E-03	1.20E-03
3751	562813.6	4234809	1.13E-02	1.91E-03	9.10E-03	1.49E-03	1.11E-03
3752	562812.8	4234818	1.05E-02	1.78E-03	8.45E-03	1.38E-03	1.03E-03
3753	562811.9	4234828	9.68E-03	1.64E-03	7.82E-03	1.28E-03	9.56E-04
3754	562811.1	4234838	8.94E-03	1.52E-03	7.22E-03	1.18E-03	8.83E-04
3755	562800.3	4234730	1.62E-02	2.75E-03	1.31E-02	2.15E-03	1.60E-03
3756	562799.5	4234740	1.57E-02	2.66E-03	1.27E-02	2.07E-03	1.55E-03
3757	562798.6	4234749	1.51E-02	2.56E-03	1.22E-02	1.99E-03	1.49E-03
3758	562797.8	4234759	1.44E-02	2.44E-03	1.16E-02	1.90E-03	1.42E-03
3759	562797	4234769	1.36E-02	2.31E-03	1.10E-02	1.80E-03	1.34E-03
3760	562796.2	4234778	1.28E-02	2.17E-03	1.03E-02	1.69E-03	1.26E-03
3761	562795.3	4234788	1.20E-02	2.04E-03	9.71E-03	1.59E-03	1.19E-03
3762	562794.5	4234797	1.13E-02	1.91E-03	9.09E-03	1.49E-03	1.11E-03
3763	562793.7	4234807	1.05E-02	1.78E-03	8.48E-03	1.39E-03	1.04E-03
3764	562792.8	4234817	9.75E-03	1.65E-03	7.87E-03	1.29E-03	9.63E-04
3765	562792	4234826	9.03E-03	1.53E-03	7.30E-03	1.19E-03	8.92E-04
3766	562791.2	4234836	8.36E-03	1.42E-03	6.75E-03	1.11E-03	8.25E-04
3767	562780.4	4234728	1.53E-02	2.60E-03	1.24E-02	2.02E-03	1.51E-03
3768	562779.5	4234738	1.46E-02	2.48E-03	1.18E-02	1.93E-03	1.44E-03
3769	562778.7	4234748	1.39E-02	2.35E-03	1.12E-02	1.83E-03	1.37E-03
3770	562777.9	4234757	1.31E-02	2.23E-03	1.06E-02	1.74E-03	1.30E-03
3771	562777.1	4234767	1.24E-02	2.11E-03	1.00E-02	1.64E-03	1.23E-03
3772	562776.2	4234776	1.17E-02	1.99E-03	9.46E-03	1.55E-03	1.16E-03
3773	562775.4	4234786	1.10E-02	1.87E-03	8.89E-03	1.46E-03	1.09E-03
3774	562774.6	4234796	1.03E-02	1.75E-03	8.33E-03	1.36E-03	1.02E-03
3775	562773.7	4234805	9.63E-03	1.63E-03	7.78E-03	1.27E-03	9.51E-04
3776	562772.9	4234815	8.97E-03	1.52E-03	7.24E-03	1.19E-03	8.86E-04
3777	562772.1	4234824	8.33E-03	1.41E-03	6.72E-03	1.10E-03	8.22E-04
3778	562771.2	4234834	7.72E-03	1.31E-03	6.23E-03	1.02E-03	7.62E-04
3779	562740.5	4234725	1.30E-02	2.21E-03	1.05E-02	1.72E-03	1.29E-03
3780	562739.7	4234735	1.25E-02	2.11E-03	1.01E-02	1.65E-03	1.23E-03
3781	562738.9	4234744	1.19E-02	2.02E-03	9.59E-03	1.57E-03	1.17E-03
3782	562738	4234754	1.13E-02	1.92E-03	9.12E-03	1.49E-03	1.12E-03
3783	562737.2	4234763	1.07E-02	1.82E-03	8.66E-03	1.42E-03	1.06E-03
3784	562736.4	4234773	1.01E-02	1.72E-03	8.19E-03	1.34E-03	1.00E-03
3785	562735.5	4234783	9.57E-03	1.62E-03	7.73E-03	1.27E-03	9.46E-04
3786	562734.7	4234792	9.00E-03	1.53E-03	7.27E-03	1.19E-03	8.89E-04
3787	562733.9	4234802	8.44E-03	1.43E-03	6.82E-03	1.12E-03	8.34E-04
3788	562733.1	4234811	7.90E-03	1.34E-03	6.37E-03	1.04E-03	7.80E-04
3789	562732.2	4234821	7.36E-03	1.25E-03	5.95E-03	9.74E-04	7.27E-04
3790	562731.4	4234831	6.86E-03	1.16E-03	5.54E-03	9.07E-04	6.77E-04
3791	562700.7	4234722	1.14E-02	1.93E-03	9.19E-03	1.50E-03	1.12E-03

3792	562699.8	4234731	1.09E-02	1.85E-03	8.82E-03	1.44E-03	1.08E-03
3793	562699	4234741	1.05E-02	1.77E-03	8.44E-03	1.38E-03	1.03E-03
3794	562698.2	4234750	9.97E-03	1.69E-03	8.05E-03	1.32E-03	9.85E-04
3795	562697.4	4234760	9.49E-03	1.61E-03	7.66E-03	1.26E-03	9.37E-04
3796	562696.5	4234770	9.00E-03	1.53E-03	7.27E-03	1.19E-03	8.89E-04
3797	562695.7	4234779	8.52E-03	1.45E-03	6.88E-03	1.13E-03	8.41E-04
3798	562694.9	4234789	8.04E-03	1.36E-03	6.49E-03	1.06E-03	7.94E-04
3799	562694	4234798	7.56E-03	1.28E-03	6.10E-03	1.00E-03	7.46E-04
3800	562693.2	4234808	7.09E-03	1.20E-03	5.73E-03	9.38E-04	7.00E-04
3801	562692.4	4234818	6.64E-03	1.13E-03	5.36E-03	8.78E-04	6.55E-04
3802	562691.5	4234827	6.20E-03	1.05E-03	5.00E-03	8.20E-04	6.12E-04
3803	562660.8	4234718	9.89E-03	1.68E-03	7.99E-03	1.31E-03	9.77E-04
3804	562660	4234728	9.50E-03	1.61E-03	7.67E-03	1.26E-03	9.38E-04
3805	562659.2	4234737	9.10E-03	1.54E-03	7.35E-03	1.20E-03	8.98E-04
3806	562658.3	4234747	8.69E-03	1.47E-03	7.02E-03	1.15E-03	8.58E-04
3807	562657.5	4234757	8.28E-03	1.40E-03	6.68E-03	1.09E-03	8.18E-04
3808	562656.7	4234766	7.93E-03	1.35E-03	6.40E-03	1.05E-03	7.83E-04
3809	562655.8	4234776	7.58E-03	1.29E-03	6.12E-03	1.00E-03	7.49E-04
3810	562655	4234785	7.23E-03	1.23E-03	5.84E-03	9.57E-04	7.14E-04
3811	562654.2	4234795	6.83E-03	1.16E-03	5.51E-03	9.03E-04	6.74E-04
3812	562653.4	4234805	6.43E-03	1.09E-03	5.19E-03	8.50E-04	6.35E-04
3813	562652.5	4234814	6.03E-03	1.02E-03	4.87E-03	7.98E-04	5.96E-04
3814	562651.7	4234824	5.65E-03	9.59E-04	4.56E-03	7.48E-04	5.58E-04
3815	562621	4234715	8.95E-03	1.52E-03	7.22E-03	1.18E-03	8.83E-04
3816	562620.1	4234724	8.62E-03	1.46E-03	6.96E-03	1.14E-03	8.52E-04
3817	562619.3	4234734	8.21E-03	1.39E-03	6.63E-03	1.09E-03	8.11E-04
3818	562618.5	4234743	7.78E-03	1.32E-03	6.29E-03	1.03E-03	7.69E-04
3819	562617.7	4234753	7.36E-03	1.25E-03	5.94E-03	9.73E-04	7.27E-04
3820	562616.8	4234763	7.00E-03	1.19E-03	5.65E-03	9.25E-04	6.91E-04
3821	562616	4234772	6.66E-03	1.13E-03	5.38E-03	8.80E-04	6.57E-04
3822	562615.2	4234782	6.31E-03	1.07E-03	5.10E-03	8.35E-04	6.24E-04
3823	562614.3	4234791	6.01E-03	1.02E-03	4.85E-03	7.95E-04	5.94E-04
3824	562613.5	4234801	5.74E-03	9.74E-04	4.64E-03	7.59E-04	5.67E-04
3825	562612.7	4234811	5.47E-03	9.29E-04	4.42E-03	7.24E-04	5.41E-04
3826	562611.8	4234820	5.18E-03	8.79E-04	4.18E-03	6.85E-04	5.11E-04
3827	562581.1	4234711	8.16E-03	1.39E-03	6.59E-03	1.08E-03	8.06E-04
3828	562580.3	4234721	7.87E-03	1.34E-03	6.35E-03	1.04E-03	7.77E-04
3829	562579.5	4234730	7.53E-03	1.28E-03	6.08E-03	9.96E-04	7.44E-04
3830	562578.6	4234740	7.14E-03	1.21E-03	5.77E-03	9.45E-04	7.06E-04
3831	562577.8	4234750	6.77E-03	1.15E-03	5.47E-03	8.96E-04	6.69E-04
3832	562577	4234759	6.42E-03	1.09E-03	5.19E-03	8.50E-04	6.34E-04
3833	562576.1	4234769	6.11E-03	1.04E-03	4.93E-03	8.08E-04	6.03E-04
3834	562575.3	4234778	5.79E-03	9.82E-04	4.67E-03	7.65E-04	5.72E-04
3835	562574.5	4234788	5.47E-03	9.29E-04	4.42E-03	7.24E-04	5.41E-04
3836	562573.7	4234798	5.18E-03	8.79E-04	4.18E-03	6.85E-04	5.11E-04
3837	562572.8	4234807	4.89E-03	8.29E-04	3.95E-03	6.46E-04	4.83E-04
3838	562572	4234817	4.61E-03	7.82E-04	3.72E-03	6.10E-04	4.55E-04
3839	562541.3	4234708	7.42E-03	1.26E-03	5.99E-03	9.81E-04	7.33E-04
3840	562540.4	4234717	7.16E-03	1.21E-03	5.78E-03	9.47E-04	7.07E-04
3841	562539.6	4234727	6.90E-03	1.17E-03	5.57E-03	9.12E-04	6.81E-04
3842	562538.8	4234737	6.63E-03	1.12E-03	5.35E-03	8.76E-04	6.54E-04
3843	562538	4234746	6.35E-03	1.08E-03	5.13E-03	8.40E-04	6.28E-04

3844	562537.1	4234756	6.08E-03	1.03E-03	4.91E-03	8.04E-04	6.01E-04
3845	562536.3	4234765	5.77E-03	9.80E-04	4.66E-03	7.63E-04	5.70E-04
3846	562535.5	4234775	5.47E-03	9.29E-04	4.42E-03	7.24E-04	5.41E-04
3847	562534.6	4234785	5.18E-03	8.79E-04	4.18E-03	6.85E-04	5.12E-04
3848	562533.8	4234794	4.88E-03	8.28E-04	3.94E-03	6.45E-04	4.82E-04
3849	562533	4234804	4.58E-03	7.78E-04	3.70E-03	6.06E-04	4.53E-04
3850	562532.1	4234813	4.29E-03	7.29E-04	3.47E-03	5.68E-04	4.24E-04
3851	562501.4	4234704	6.78E-03	1.15E-03	5.47E-03	8.96E-04	6.69E-04
3852	562500.6	4234714	6.55E-03	1.11E-03	5.29E-03	8.66E-04	6.47E-04
3853	562499.8	4234724	6.32E-03	1.07E-03	5.10E-03	8.36E-04	6.24E-04
3854	562498.9	4234733	6.08E-03	1.03E-03	4.91E-03	8.04E-04	6.01E-04
3855	562498.1	4234743	5.84E-03	9.91E-04	4.72E-03	7.73E-04	5.77E-04
3856	562497.3	4234752	5.60E-03	9.50E-04	4.52E-03	7.40E-04	5.53E-04
3857	562496.4	4234762	5.35E-03	9.08E-04	4.32E-03	7.08E-04	5.29E-04
3858	562495.6	4234772	5.11E-03	8.67E-04	4.12E-03	6.75E-04	5.04E-04
3859	562494.8	4234781	4.86E-03	8.25E-04	3.93E-03	6.43E-04	4.80E-04
3860	562493.9	4234791	4.62E-03	7.84E-04	3.73E-03	6.11E-04	4.56E-04
3861	562493.1	4234800	4.38E-03	7.43E-04	3.54E-03	5.79E-04	4.33E-04
3862	562492.3	4234810	4.15E-03	7.04E-04	3.35E-03	5.49E-04	4.10E-04
3863	562461.6	4234701	6.23E-03	1.06E-03	5.03E-03	8.24E-04	6.15E-04
3864	562460.7	4234710	6.03E-03	1.02E-03	4.87E-03	7.97E-04	5.95E-04
3865	562459.9	4234720	5.82E-03	9.88E-04	4.70E-03	7.70E-04	5.75E-04
3866	562459.1	4234730	5.61E-03	9.52E-04	4.53E-03	7.42E-04	5.54E-04
3867	562458.2	4234739	5.40E-03	9.15E-04	4.36E-03	7.14E-04	5.33E-04
3868	562457.4	4234749	5.18E-03	8.79E-04	4.18E-03	6.85E-04	5.11E-04
3869	562456.6	4234759	4.96E-03	8.41E-04	4.00E-03	6.56E-04	4.90E-04
3870	562455.8	4234768	4.74E-03	8.04E-04	3.83E-03	6.27E-04	4.68E-04
3871	562454.9	4234778	4.52E-03	7.67E-04	3.65E-03	5.98E-04	4.46E-04
3872	562454.1	4234787	4.30E-03	7.30E-04	3.47E-03	5.69E-04	4.25E-04
3873	562453.3	4234797	4.09E-03	6.94E-04	3.30E-03	5.41E-04	4.04E-04
3874	562452.4	4234807	3.88E-03	6.59E-04	3.13E-03	5.13E-04	3.83E-04
3875	562421.7	4234697	5.75E-03	9.76E-04	4.64E-03	7.60E-04	5.68E-04
3876	562420.9	4234707	5.57E-03	9.45E-04	4.50E-03	7.37E-04	5.50E-04
3877	562420.1	4234717	5.39E-03	9.14E-04	4.35E-03	7.12E-04	5.32E-04
3878	562419.2	4234726	5.20E-03	8.82E-04	4.20E-03	6.87E-04	5.13E-04
3879	562418.4	4234736	5.01E-03	8.49E-04	4.04E-03	6.62E-04	4.94E-04
3880	562417.6	4234745	4.81E-03	8.16E-04	3.88E-03	6.36E-04	4.75E-04
3881	562416.7	4234755	4.61E-03	7.83E-04	3.73E-03	6.10E-04	4.56E-04
3882	562415.9	4234765	4.42E-03	7.49E-04	3.57E-03	5.84E-04	4.36E-04
3883	562415.1	4234774	4.22E-03	7.16E-04	3.41E-03	5.58E-04	4.17E-04
3884	562414.2	4234784	4.02E-03	6.83E-04	3.25E-03	5.32E-04	3.97E-04
3885	562413.4	4234793	3.83E-03	6.50E-04	3.09E-03	5.07E-04	3.78E-04
3886	562412.6	4234803	3.64E-03	6.18E-04	2.94E-03	4.82E-04	3.60E-04
3887	562381.9	4234694	5.33E-03	9.05E-04	4.31E-03	7.05E-04	5.27E-04
3888	562381	4234704	5.17E-03	8.77E-04	4.17E-03	6.84E-04	5.11E-04
3889	562380.2	4234713	5.00E-03	8.49E-04	4.04E-03	6.62E-04	4.94E-04
3890	562379.4	4234723	4.83E-03	8.20E-04	3.90E-03	6.39E-04	4.77E-04
3891	562378.5	4234732	4.66E-03	7.91E-04	3.76E-03	6.16E-04	4.60E-04
3892	562377.7	4234742	4.48E-03	7.61E-04	3.62E-03	5.93E-04	4.43E-04
3893	562376.9	4234752	4.31E-03	7.31E-04	3.48E-03	5.70E-04	4.25E-04
3894	562376.1	4234761	4.13E-03	7.01E-04	3.33E-03	5.46E-04	4.08E-04
3895	562375.2	4234771	3.95E-03	6.70E-04	3.19E-03	5.22E-04	3.90E-04

3896	562374.4	4234780	3.77E-03	6.40E-04	3.05E-03	4.99E-04	3.73E-04
3897	562373.6	4234790	3.60E-03	6.11E-04	2.91E-03	4.76E-04	3.56E-04
3898	562372.7	4234800	3.43E-03	5.82E-04	2.77E-03	4.54E-04	3.39E-04
3899	563065.4	4234869	5.75E-02	9.75E-03	4.64E-02	7.60E-03	5.67E-03
3900	563073.8	4234873	6.55E-02	1.11E-02	5.29E-02	8.66E-03	6.47E-03
3901	563082.3	4234878	7.81E-02	1.33E-02	6.31E-02	1.03E-02	7.71E-03
3902	563090.7	4234882	9.63E-02	1.63E-02	7.78E-02	1.27E-02	9.51E-03
3903	563099.2	4234887	1.15E-01	1.95E-02	9.27E-02	1.52E-02	1.13E-02
3904	563107.7	4234891	1.29E-01	2.19E-02	1.04E-01	1.70E-02	1.27E-02
3905	563116.1	4234896	1.38E-01	2.35E-02	1.12E-01	1.83E-02	1.37E-02
3906	563124.6	4234901	1.44E-01	2.45E-02	1.17E-01	1.91E-02	1.43E-02
3907	563133	4234905	1.47E-01	2.50E-02	1.19E-01	1.95E-02	1.46E-02
3908	563141.5	4234910	1.48E-01	2.51E-02	1.19E-01	1.95E-02	1.46E-02
3909	563149.9	4234914	1.46E-01	2.47E-02	1.17E-01	1.92E-02	1.44E-02
3910	563158.4	4234919	1.41E-01	2.39E-02	1.14E-01	1.86E-02	1.39E-02
3911	563166.8	4234923	1.34E-01	2.27E-02	1.08E-01	1.77E-02	1.32E-02
3912	563175.3	4234928	1.26E-01	2.14E-02	1.02E-01	1.66E-02	1.24E-02
3913	563183.7	4234932	1.17E-01	1.98E-02	9.43E-02	1.54E-02	1.15E-02
3914	563192.2	4234937	1.06E-01	1.80E-02	8.58E-02	1.40E-02	1.05E-02
3915	563200.6	4234942	9.46E-02	1.61E-02	7.64E-02	1.25E-02	9.34E-03
3916	563209.1	4234946	8.29E-02	1.41E-02	6.70E-02	1.10E-02	8.19E-03
3917	563217.5	4234951	7.21E-02	1.22E-02	5.82E-02	9.53E-03	7.12E-03
3918	563226	4234955	6.25E-02	1.06E-02	5.05E-02	8.27E-03	6.17E-03
3919	563234.4	4234960	5.44E-02	9.23E-03	4.39E-02	7.19E-03	5.37E-03
3920	563242.9	4234964	4.75E-02	8.07E-03	3.84E-02	6.29E-03	4.70E-03
3921	563056.6	4234873	4.60E-02	7.80E-03	3.71E-02	6.08E-03	4.54E-03
3922	563069.1	4234882	5.34E-02	9.05E-03	4.31E-02	7.06E-03	5.27E-03
3923	563077.6	4234887	6.21E-02	1.05E-02	5.01E-02	8.21E-03	6.13E-03
3924	563086	4234891	7.37E-02	1.25E-02	5.95E-02	9.74E-03	7.28E-03
3925	563094.5	4234896	8.63E-02	1.46E-02	6.97E-02	1.14E-02	8.53E-03
3926	563102.9	4234900	9.76E-02	1.66E-02	7.88E-02	1.29E-02	9.64E-03
3927	563111.4	4234905	1.07E-01	1.81E-02	8.60E-02	1.41E-02	1.05E-02
3928	563119.8	4234909	1.13E-01	1.92E-02	9.13E-02	1.49E-02	1.12E-02
3929	563128.3	4234914	1.17E-01	1.99E-02	9.47E-02	1.55E-02	1.16E-02
3930	563136.7	4234918	1.19E-01	2.02E-02	9.63E-02	1.58E-02	1.18E-02
3931	563145.2	4234923	1.19E-01	2.02E-02	9.63E-02	1.58E-02	1.18E-02
3932	563153.6	4234928	1.16E-01	1.98E-02	9.41E-02	1.54E-02	1.15E-02
3933	563162.1	4234932	1.13E-01	1.91E-02	9.09E-02	1.49E-02	1.11E-02
3934	563170.5	4234937	1.08E-01	1.83E-02	8.69E-02	1.42E-02	1.06E-02
3935	563179	4234941	1.01E-01	1.72E-02	8.19E-02	1.34E-02	1.00E-02
3936	563187.4	4234946	9.39E-02	1.59E-02	7.58E-02	1.24E-02	9.27E-03
3937	563195.9	4234950	8.54E-02	1.45E-02	6.89E-02	1.13E-02	8.43E-03
3938	563204.3	4234955	7.65E-02	1.30E-02	6.18E-02	1.01E-02	7.56E-03
3939	563212.8	4234959	6.79E-02	1.15E-02	5.48E-02	8.97E-03	6.70E-03
3940	563221.2	4234964	5.99E-02	1.02E-02	4.83E-02	7.92E-03	5.91E-03
3941	563229.7	4234969	5.28E-02	8.96E-03	4.26E-02	6.98E-03	5.21E-03
3942	563238.1	4234973	4.67E-02	7.92E-03	3.77E-02	6.17E-03	4.61E-03
3943	563049.8	4234880	3.81E-02	6.46E-03	3.08E-02	5.04E-03	3.76E-03
3944	563064.4	4234891	4.47E-02	7.58E-03	3.61E-02	5.91E-03	4.41E-03
3945	563072.8	4234895	5.13E-02	8.70E-03	4.14E-02	6.78E-03	5.06E-03
3946	563081.3	4234900	5.96E-02	1.01E-02	4.81E-02	7.88E-03	5.88E-03
3947	563089.7	4234905	6.88E-02	1.17E-02	5.55E-02	9.10E-03	6.79E-03

3948	563098.2	4234909	7.77E-02	1.32E-02	6.27E-02	1.03E-02	7.67E-03
3949	563106.6	4234914	8.55E-02	1.45E-02	6.90E-02	1.13E-02	8.44E-03
3950	563115.1	4234918	9.16E-02	1.56E-02	7.40E-02	1.21E-02	9.05E-03
3951	563123.5	4234923	9.61E-02	1.63E-02	7.76E-02	1.27E-02	9.50E-03
3952	563132	4234927	9.90E-02	1.68E-02	7.99E-02	1.31E-02	9.77E-03
3953	563140.4	4234932	9.99E-02	1.70E-02	8.07E-02	1.32E-02	9.87E-03
3954	563148.9	4234936	9.86E-02	1.67E-02	7.96E-02	1.30E-02	9.74E-03
3955	563157.3	4234941	9.65E-02	1.64E-02	7.79E-02	1.28E-02	9.53E-03
3956	563165.8	4234945	9.34E-02	1.58E-02	7.54E-02	1.24E-02	9.23E-03
3957	563174.2	4234950	8.91E-02	1.51E-02	7.19E-02	1.18E-02	8.80E-03
3958	563182.7	4234955	8.36E-02	1.42E-02	6.75E-02	1.11E-02	8.26E-03
3959	563191.1	4234959	7.73E-02	1.31E-02	6.24E-02	1.02E-02	7.63E-03
3960	563199.6	4234964	7.05E-02	1.20E-02	5.69E-02	9.32E-03	6.96E-03
3961	563208	4234968	6.35E-02	1.08E-02	5.13E-02	8.40E-03	6.28E-03
3962	563216.5	4234973	5.69E-02	9.66E-03	4.60E-02	7.53E-03	5.62E-03
3963	563224.9	4234977	5.09E-02	8.63E-03	4.11E-02	6.73E-03	5.02E-03
3964	563233.4	4234982	4.55E-02	7.72E-03	3.67E-02	6.01E-03	4.49E-03
3965	563045.8	4234890	3.26E-02	5.53E-03	2.63E-02	4.31E-03	3.22E-03
3966	563033.4	4234871	3.21E-02	5.44E-03	2.59E-02	4.24E-03	3.17E-03
3967	563059.6	4234900	3.83E-02	6.51E-03	3.10E-02	5.07E-03	3.79E-03
3968	563068.1	4234904	4.35E-02	7.39E-03	3.51E-02	5.76E-03	4.30E-03
3969	563076.5	4234909	4.99E-02	8.46E-03	4.03E-02	6.59E-03	4.92E-03
3970	563085	4234913	5.69E-02	9.66E-03	4.60E-02	7.53E-03	5.62E-03
3971	563093.4	4234918	6.41E-02	1.09E-02	5.17E-02	8.47E-03	6.33E-03
3972	563101.9	4234922	7.06E-02	1.20E-02	5.70E-02	9.34E-03	6.98E-03
3973	563110.3	4234927	7.62E-02	1.29E-02	6.16E-02	1.01E-02	7.53E-03
3974	563118.8	4234932	8.06E-02	1.37E-02	6.51E-02	1.07E-02	7.96E-03
3975	563127.2	4234936	8.37E-02	1.42E-02	6.76E-02	1.11E-02	8.26E-03
3976	563135.7	4234941	8.52E-02	1.45E-02	6.88E-02	1.13E-02	8.42E-03
3977	563144.1	4234945	8.50E-02	1.44E-02	6.87E-02	1.12E-02	8.40E-03
3978	563152.6	4234950	8.39E-02	1.42E-02	6.77E-02	1.11E-02	8.28E-03
3979	563161	4234954	8.19E-02	1.39E-02	6.62E-02	1.08E-02	8.09E-03
3980	563169.5	4234959	7.90E-02	1.34E-02	6.37E-02	1.04E-02	7.80E-03
3981	563177.9	4234963	7.50E-02	1.27E-02	6.05E-02	9.92E-03	7.40E-03
3982	563186.4	4234968	7.02E-02	1.19E-02	5.67E-02	9.28E-03	6.93E-03
3983	563194.8	4234972	6.49E-02	1.10E-02	5.24E-02	8.58E-03	6.41E-03
3984	563203.3	4234977	5.93E-02	1.01E-02	4.79E-02	7.85E-03	5.86E-03
3985	563211.8	4234982	5.38E-02	9.13E-03	4.35E-02	7.12E-03	5.32E-03
3986	563220.2	4234986	4.87E-02	8.26E-03	3.93E-02	6.44E-03	4.81E-03
3987	563228.7	4234991	4.40E-02	7.46E-03	3.55E-02	5.81E-03	4.34E-03
3988	563039.7	4234897	2.80E-02	4.75E-03	2.26E-02	3.70E-03	2.76E-03
3989	563032.9	4234890	2.66E-02	4.52E-03	2.15E-02	3.52E-03	2.63E-03
3990	563024.2	4234874	2.78E-02	4.71E-03	2.24E-02	3.67E-03	2.74E-03
3991	563022.3	4234865	3.00E-02	5.10E-03	2.42E-02	3.97E-03	2.97E-03
3992	563046.4	4234904	2.99E-02	5.07E-03	2.41E-02	3.95E-03	2.95E-03
3993	563054.9	4234908	3.35E-02	5.68E-03	2.70E-02	4.43E-03	3.31E-03
3994	563063.3	4234913	3.77E-02	6.40E-03	3.05E-02	4.99E-03	3.72E-03
3995	563071.8	4234918	4.28E-02	7.25E-03	3.45E-02	5.65E-03	4.22E-03
3996	563080.2	4234922	4.84E-02	8.21E-03	3.91E-02	6.40E-03	4.78E-03
3997	563088.7	4234927	5.42E-02	9.19E-03	4.37E-02	7.16E-03	5.35E-03
3998	563097.1	4234931	5.97E-02	1.01E-02	4.82E-02	7.90E-03	5.90E-03
3999	563105.6	4234936	6.47E-02	1.10E-02	5.22E-02	8.55E-03	6.39E-03

4000	563114	4234940	6.87E-02	1.17E-02	5.55E-02	9.09E-03	6.79E-03
4001	563122.5	4234945	7.18E-02	1.22E-02	5.80E-02	9.50E-03	7.09E-03
4002	563130.9	4234949	7.35E-02	1.25E-02	5.93E-02	9.71E-03	7.25E-03
4003	563139.4	4234954	7.40E-02	1.26E-02	5.97E-02	9.78E-03	7.30E-03
4004	563147.9	4234959	7.36E-02	1.25E-02	5.95E-02	9.74E-03	7.27E-03
4005	563156.3	4234963	7.25E-02	1.23E-02	5.85E-02	9.58E-03	7.16E-03
4006	563164.8	4234968	7.04E-02	1.20E-02	5.69E-02	9.31E-03	6.96E-03
4007	563173.2	4234972	6.75E-02	1.15E-02	5.45E-02	8.93E-03	6.67E-03
4008	563181.7	4234977	6.39E-02	1.08E-02	5.16E-02	8.45E-03	6.31E-03
4009	563190.1	4234981	5.98E-02	1.01E-02	4.83E-02	7.90E-03	5.90E-03
4010	563198.6	4234986	5.53E-02	9.39E-03	4.47E-02	7.31E-03	5.46E-03
4011	563207	4234990	5.08E-02	8.61E-03	4.10E-02	6.71E-03	5.01E-03
4012	563215.5	4234995	4.63E-02	7.86E-03	3.74E-02	6.13E-03	4.58E-03
4013	563223.9	4234999	4.22E-02	7.17E-03	3.41E-02	5.58E-03	4.17E-03
4014	563035.6	4234907	2.48E-02	4.21E-03	2.00E-02	3.28E-03	2.45E-03
4015	563023.4	4234895	2.30E-02	3.91E-03	1.86E-02	3.04E-03	2.27E-03
4016	563015.6	4234880	2.38E-02	4.05E-03	1.93E-02	3.15E-03	2.35E-03
4017	563050.1	4234917	2.94E-02	4.98E-03	2.37E-02	3.88E-03	2.90E-03
4018	563058.6	4234922	3.29E-02	5.58E-03	2.66E-02	4.35E-03	3.25E-03
4019	563067	4234926	3.70E-02	6.28E-03	2.99E-02	4.89E-03	3.66E-03
4020	563075.5	4234931	4.17E-02	7.08E-03	3.37E-02	5.52E-03	4.12E-03
4021	563084	4234935	4.67E-02	7.92E-03	3.77E-02	6.18E-03	4.61E-03
4022	563092.4	4234940	5.14E-02	8.72E-03	4.15E-02	6.80E-03	5.08E-03
4023	563100.9	4234945	5.57E-02	9.45E-03	4.50E-02	7.37E-03	5.50E-03
4024	563109.3	4234949	5.93E-02	1.01E-02	4.79E-02	7.85E-03	5.86E-03
4025	563117.8	4234954	6.20E-02	1.05E-02	5.01E-02	8.20E-03	6.12E-03
4026	563126.2	4234958	6.38E-02	1.08E-02	5.15E-02	8.44E-03	6.30E-03
4027	563134.7	4234963	6.48E-02	1.10E-02	5.23E-02	8.57E-03	6.40E-03
4028	563143.1	4234967	6.50E-02	1.10E-02	5.25E-02	8.60E-03	6.42E-03
4029	563151.6	4234972	6.45E-02	1.09E-02	5.21E-02	8.53E-03	6.37E-03
4030	563160	4234976	6.32E-02	1.07E-02	5.10E-02	8.36E-03	6.24E-03
4031	563168.5	4234981	6.11E-02	1.04E-02	4.93E-02	8.08E-03	6.03E-03
4032	563176.9	4234986	5.84E-02	9.90E-03	4.71E-02	7.72E-03	5.76E-03
4033	563185.4	4234990	5.51E-02	9.35E-03	4.45E-02	7.29E-03	5.44E-03
4034	563193.8	4234995	5.15E-02	8.74E-03	4.16E-02	6.81E-03	5.09E-03
4035	563202.3	4234999	4.78E-02	8.11E-03	3.86E-02	6.32E-03	4.72E-03
4036	563210.7	4235004	4.40E-02	7.47E-03	3.55E-02	5.82E-03	4.35E-03
4037	563219.2	4235008	4.04E-02	6.85E-03	3.26E-02	5.34E-03	3.99E-03
4038	563031.3	4234916	2.23E-02	3.79E-03	1.80E-02	2.96E-03	2.21E-03
4039	563019.9	4234905	2.07E-02	3.51E-03	1.67E-02	2.74E-03	2.04E-03
4040	563006.9	4234885	2.08E-02	3.52E-03	1.68E-02	2.75E-03	2.05E-03
4041	563003.7	4234870	2.34E-02	3.97E-03	1.89E-02	3.09E-03	2.31E-03
4042	563045.4	4234926	2.61E-02	4.42E-03	2.11E-02	3.45E-03	2.58E-03
4043	563053.9	4234931	2.90E-02	4.92E-03	2.34E-02	3.83E-03	2.86E-03
4044	563062.3	4234935	3.23E-02	5.48E-03	2.61E-02	4.27E-03	3.19E-03
4045	563070.8	4234940	3.63E-02	6.16E-03	2.93E-02	4.80E-03	3.58E-03
4046	563079.2	4234944	4.05E-02	6.88E-03	3.27E-02	5.36E-03	4.00E-03
4047	563087.7	4234949	4.46E-02	7.57E-03	3.60E-02	5.90E-03	4.41E-03
4048	563096.1	4234953	4.83E-02	8.20E-03	3.90E-02	6.39E-03	4.77E-03
4049	563104.6	4234958	5.14E-02	8.72E-03	4.15E-02	6.80E-03	5.08E-03
4050	563113	4234962	5.39E-02	9.15E-03	4.35E-02	7.13E-03	5.32E-03
4051	563121.5	4234967	5.58E-02	9.47E-03	4.51E-02	7.38E-03	5.51E-03

4052	563129.9	4234972	5.72E-02	9.71E-03	4.62E-02	7.57E-03	5.65E-03
4053	563138.4	4234976	5.79E-02	9.82E-03	4.67E-02	7.65E-03	5.71E-03
4054	563146.8	4234981	5.78E-02	9.80E-03	4.66E-02	7.64E-03	5.71E-03
4055	563155.3	4234985	5.70E-02	9.66E-03	4.60E-02	7.53E-03	5.63E-03
4056	563163.7	4234990	5.55E-02	9.41E-03	4.48E-02	7.34E-03	5.48E-03
4057	563172.2	4234994	5.34E-02	9.07E-03	4.31E-02	7.07E-03	5.28E-03
4058	563180.6	4234999	5.09E-02	8.63E-03	4.11E-02	6.73E-03	5.03E-03
4059	563189.1	4235003	4.80E-02	8.14E-03	3.88E-02	6.35E-03	4.74E-03
4060	563197.5	4235008	4.49E-02	7.62E-03	3.63E-02	5.94E-03	4.43E-03
4061	563206	4235013	4.17E-02	7.08E-03	3.37E-02	5.52E-03	4.12E-03
4062	563214.4	4235017	3.85E-02	6.54E-03	3.11E-02	5.10E-03	3.81E-03
4063	563025.7	4234924	2.02E-02	3.42E-03	1.63E-02	2.67E-03	1.99E-03
4064	563019.2	4234917	1.92E-02	3.26E-03	1.55E-02	2.54E-03	1.90E-03
4065	563012.7	4234911	1.85E-02	3.13E-03	1.49E-02	2.44E-03	1.82E-03
4066	563006.2	4234904	1.79E-02	3.04E-03	1.45E-02	2.37E-03	1.77E-03
4067	562997.9	4234889	1.85E-02	3.13E-03	1.49E-02	2.44E-03	1.82E-03
4068	562996	4234880	1.96E-02	3.33E-03	1.58E-02	2.60E-03	1.94E-03
4069	562994.2	4234871	2.10E-02	3.57E-03	1.70E-02	2.78E-03	2.08E-03
4070	562992.3	4234862	2.27E-02	3.85E-03	1.83E-02	3.00E-03	2.24E-03
4071	563032.2	4234930	2.14E-02	3.62E-03	1.72E-02	2.82E-03	2.11E-03
4072	563040.7	4234935	2.35E-02	3.99E-03	1.90E-02	3.11E-03	2.32E-03
4073	563049.1	4234939	2.60E-02	4.41E-03	2.10E-02	3.44E-03	2.57E-03
4074	563057.6	4234944	2.89E-02	4.90E-03	2.33E-02	3.82E-03	2.85E-03
4075	563066	4234949	3.21E-02	5.45E-03	2.59E-02	4.25E-03	3.17E-03
4076	563074.5	4234953	3.56E-02	6.04E-03	2.87E-02	4.71E-03	3.52E-03
4077	563082.9	4234958	3.90E-02	6.62E-03	3.15E-02	5.16E-03	3.85E-03
4078	563091.4	4234962	4.22E-02	7.16E-03	3.41E-02	5.58E-03	4.17E-03
4079	563099.8	4234967	4.50E-02	7.63E-03	3.63E-02	5.95E-03	4.44E-03
4080	563108.3	4234971	4.75E-02	8.06E-03	3.84E-02	6.28E-03	4.69E-03
4081	563116.7	4234976	4.95E-02	8.40E-03	4.00E-02	6.55E-03	4.89E-03
4082	563125.2	4234980	5.10E-02	8.65E-03	4.12E-02	6.74E-03	5.03E-03
4083	563133.6	4234985	5.18E-02	8.79E-03	4.18E-02	6.85E-03	5.11E-03
4084	563142.1	4234990	5.20E-02	8.82E-03	4.20E-02	6.87E-03	5.13E-03
4085	563150.5	4234994	5.16E-02	8.75E-03	4.16E-02	6.82E-03	5.09E-03
4086	563159	4234999	5.06E-02	8.58E-03	4.08E-02	6.69E-03	4.99E-03
4087	563167.4	4235003	4.90E-02	8.32E-03	3.96E-02	6.48E-03	4.84E-03
4088	563175.9	4235008	4.70E-02	7.98E-03	3.80E-02	6.22E-03	4.65E-03
4089	563184.3	4235012	4.47E-02	7.59E-03	3.61E-02	5.92E-03	4.42E-03
4090	563192.8	4235017	4.22E-02	7.16E-03	3.41E-02	5.58E-03	4.16E-03
4091	563201.2	4235021	3.95E-02	6.70E-03	3.19E-02	5.22E-03	3.90E-03
4092	563209.7	4235026	3.68E-02	6.24E-03	2.97E-02	4.86E-03	3.63E-03
4093	563021.4	4234933	1.86E-02	3.15E-03	1.50E-02	2.45E-03	1.83E-03
4094	563009.2	4234921	1.70E-02	2.88E-03	1.37E-02	2.24E-03	1.68E-03
4095	562997	4234909	1.60E-02	2.71E-03	1.29E-02	2.11E-03	1.58E-03
4096	562989.2	4234894	1.64E-02	2.78E-03	1.32E-02	2.17E-03	1.62E-03
4097	562985.7	4234877	1.83E-02	3.11E-03	1.48E-02	2.42E-03	1.81E-03
4098	563035.9	4234944	2.14E-02	3.64E-03	1.73E-02	2.84E-03	2.12E-03
4099	563044.4	4234948	2.36E-02	4.01E-03	1.91E-02	3.12E-03	2.33E-03
4100	563052.8	4234953	2.61E-02	4.43E-03	2.11E-02	3.45E-03	2.58E-03
4101	563061.3	4234957	2.88E-02	4.89E-03	2.32E-02	3.81E-03	2.84E-03
4102	563069.7	4234962	3.17E-02	5.38E-03	2.56E-02	4.19E-03	3.13E-03
4103	563078.2	4234966	3.46E-02	5.86E-03	2.79E-02	4.57E-03	3.41E-03

4104	563086.6	4234971	3.73E-02	6.34E-03	3.02E-02	4.94E-03	3.69E-03
4105	563095.1	4234976	4.00E-02	6.79E-03	3.23E-02	5.29E-03	3.95E-03
4106	563103.5	4234980	4.23E-02	7.18E-03	3.42E-02	5.60E-03	4.18E-03
4107	563112	4234985	4.42E-02	7.51E-03	3.57E-02	5.85E-03	4.37E-03
4108	563120.4	4234989	4.57E-02	7.75E-03	3.69E-02	6.04E-03	4.51E-03
4109	563128.9	4234994	4.66E-02	7.91E-03	3.76E-02	6.16E-03	4.60E-03
4110	563137.3	4234998	4.70E-02	7.97E-03	3.79E-02	6.21E-03	4.64E-03
4111	563145.8	4235003	4.68E-02	7.95E-03	3.78E-02	6.19E-03	4.63E-03
4112	563154.2	4235007	4.62E-02	7.84E-03	3.73E-02	6.11E-03	4.56E-03
4113	563162.7	4235012	4.51E-02	7.65E-03	3.64E-02	5.96E-03	4.45E-03
4114	563171.1	4235017	4.36E-02	7.39E-03	3.52E-02	5.76E-03	4.30E-03
4115	563179.6	4235021	4.17E-02	7.08E-03	3.37E-02	5.51E-03	4.12E-03
4116	563188.1	4235026	3.96E-02	6.72E-03	3.20E-02	5.24E-03	3.91E-03
4117	563196.5	4235030	3.73E-02	6.34E-03	3.01E-02	4.94E-03	3.69E-03
4118	563205	4235035	3.50E-02	5.94E-03	2.83E-02	4.63E-03	3.46E-03
4119	563016	4234941	1.69E-02	2.86E-03	1.36E-02	2.23E-03	1.67E-03
4120	563009.2	4234934	1.61E-02	2.74E-03	1.30E-02	2.13E-03	1.59E-03
4121	563002.4	4234928	1.54E-02	2.61E-03	1.24E-02	2.03E-03	1.52E-03
4122	562995.7	4234921	1.47E-02	2.49E-03	1.19E-02	1.94E-03	1.45E-03
4123	562988.9	4234914	1.43E-02	2.42E-03	1.15E-02	1.89E-03	1.41E-03
4124	562980.2	4234898	1.48E-02	2.51E-03	1.19E-02	1.95E-03	1.46E-03
4125	562978.3	4234889	1.56E-02	2.65E-03	1.26E-02	2.06E-03	1.54E-03
4126	562976.3	4234879	1.67E-02	2.83E-03	1.35E-02	2.20E-03	1.65E-03
4127	562974.4	4234870	1.79E-02	3.04E-03	1.45E-02	2.37E-03	1.77E-03
4128	562972.4	4234861	1.93E-02	3.28E-03	1.56E-02	2.56E-03	1.91E-03
4129	563022.7	4234948	1.78E-02	3.02E-03	1.44E-02	2.36E-03	1.76E-03
4130	563031.2	4234953	1.96E-02	3.33E-03	1.59E-02	2.60E-03	1.94E-03
4131	563039.6	4234957	2.16E-02	3.67E-03	1.74E-02	2.86E-03	2.13E-03
4132	563048.1	4234962	2.37E-02	4.03E-03	1.92E-02	3.14E-03	2.34E-03
4133	563056.5	4234966	2.61E-02	4.42E-03	2.11E-02	3.45E-03	2.57E-03
4134	563065	4234971	2.84E-02	4.82E-03	2.29E-02	3.76E-03	2.80E-03
4135	563073.4	4234975	3.08E-02	5.23E-03	2.49E-02	4.08E-03	3.05E-03
4136	563081.9	4234980	3.33E-02	5.66E-03	2.69E-02	4.41E-03	3.29E-03
4137	563090.3	4234984	3.58E-02	6.07E-03	2.89E-02	4.73E-03	3.53E-03
4138	563098.8	4234989	3.80E-02	6.44E-03	3.06E-02	5.02E-03	3.75E-03
4139	563107.2	4234993	3.97E-02	6.74E-03	3.21E-02	5.25E-03	3.92E-03
4140	563115.7	4234998	4.11E-02	6.98E-03	3.32E-02	5.44E-03	4.06E-03
4141	563124.2	4235003	4.21E-02	7.15E-03	3.40E-02	5.57E-03	4.16E-03
4142	563132.6	4235007	4.26E-02	7.23E-03	3.44E-02	5.64E-03	4.21E-03
4143	563141.1	4235012	4.27E-02	7.25E-03	3.45E-02	5.65E-03	4.22E-03
4144	563149.5	4235016	4.23E-02	7.18E-03	3.42E-02	5.60E-03	4.18E-03
4145	563158	4235021	4.15E-02	7.05E-03	3.35E-02	5.49E-03	4.10E-03
4146	563166.4	4235025	4.04E-02	6.85E-03	3.26E-02	5.34E-03	3.99E-03
4147	563174.9	4235030	3.89E-02	6.60E-03	3.14E-02	5.15E-03	3.84E-03
4148	563183.3	4235034	3.72E-02	6.31E-03	3.00E-02	4.92E-03	3.67E-03
4149	563191.8	4235039	3.53E-02	5.99E-03	2.85E-02	4.67E-03	3.48E-03
4150	563200.2	4235044	3.33E-02	5.65E-03	2.69E-02	4.40E-03	3.29E-03
4151	563007.2	4234960	1.40E-02	2.38E-03	1.13E-02	1.85E-03	1.38E-03
4152	562995	4234947	1.29E-02	2.19E-03	1.04E-02	1.71E-03	1.27E-03
4153	562982.8	4234935	1.19E-02	2.01E-03	9.57E-03	1.57E-03	1.17E-03
4154	562970.6	4234923	1.13E-02	1.92E-03	9.13E-03	1.49E-03	1.12E-03
4155	562962.8	4234909	1.17E-02	1.98E-03	9.42E-03	1.54E-03	1.15E-03

4156	562959.3	4234892	1.27E-02	2.15E-03	1.02E-02	1.68E-03	1.25E-03
4157	562955.8	4234875	1.42E-02	2.40E-03	1.14E-02	1.87E-03	1.40E-03
4158	563021.7	4234970	1.63E-02	2.76E-03	1.31E-02	2.15E-03	1.61E-03
4159	563030.2	4234975	1.79E-02	3.03E-03	1.44E-02	2.36E-03	1.76E-03
4160	563038.6	4234979	1.94E-02	3.30E-03	1.57E-02	2.57E-03	1.92E-03
4161	563047.1	4234984	2.11E-02	3.58E-03	1.70E-02	2.79E-03	2.08E-03
4162	563055.5	4234988	2.29E-02	3.89E-03	1.85E-02	3.03E-03	2.26E-03
4163	563064	4234993	2.49E-02	4.22E-03	2.01E-02	3.29E-03	2.45E-03
4164	563072.4	4234997	2.69E-02	4.56E-03	2.17E-02	3.56E-03	2.66E-03
4165	563080.9	4235002	2.90E-02	4.92E-03	2.34E-02	3.83E-03	2.86E-03
4166	563089.3	4235007	3.09E-02	5.25E-03	2.50E-02	4.09E-03	3.06E-03
4167	563097.8	4235011	3.26E-02	5.53E-03	2.63E-02	4.31E-03	3.22E-03
4168	563106.2	4235016	3.39E-02	5.74E-03	2.73E-02	4.48E-03	3.34E-03
4169	563114.7	4235020	3.48E-02	5.91E-03	2.81E-02	4.61E-03	3.44E-03
4170	563123.1	4235025	3.55E-02	6.02E-03	2.87E-02	4.69E-03	3.51E-03
4171	563131.6	4235029	3.58E-02	6.08E-03	2.89E-02	4.74E-03	3.54E-03
4172	563140	4235034	3.58E-02	6.08E-03	2.89E-02	4.74E-03	3.54E-03
4173	563148.5	4235038	3.55E-02	6.02E-03	2.87E-02	4.69E-03	3.50E-03
4174	563156.9	4235043	3.49E-02	5.91E-03	2.81E-02	4.61E-03	3.44E-03
4175	563165.4	4235047	3.39E-02	5.76E-03	2.74E-02	4.49E-03	3.35E-03
4176	563173.8	4235052	3.28E-02	5.57E-03	2.65E-02	4.34E-03	3.24E-03
4177	563182.3	4235057	3.15E-02	5.34E-03	2.54E-02	4.16E-03	3.11E-03
4178	563190.7	4235061	3.00E-02	5.10E-03	2.43E-02	3.97E-03	2.97E-03
4179	562997.5	4234977	1.20E-02	2.04E-03	9.73E-03	1.59E-03	1.19E-03
4180	562991.2	4234971	1.15E-02	1.95E-03	9.27E-03	1.52E-03	1.13E-03
4181	562978.5	4234958	1.05E-02	1.79E-03	8.51E-03	1.39E-03	1.04E-03
4182	562972.2	4234952	1.01E-02	1.72E-03	8.16E-03	1.34E-03	9.98E-04
4183	562959.6	4234939	9.49E-03	1.61E-03	7.67E-03	1.26E-03	9.38E-04
4184	562945.2	4234918	9.41E-03	1.60E-03	7.60E-03	1.24E-03	9.30E-04
4185	562941.5	4234900	1.02E-02	1.73E-03	8.23E-03	1.35E-03	1.01E-03
4186	562939.7	4234892	1.07E-02	1.82E-03	8.66E-03	1.42E-03	1.06E-03
4187	562936.1	4234874	1.21E-02	2.06E-03	9.81E-03	1.61E-03	1.20E-03
4188	563012.2	4234988	1.38E-02	2.33E-03	1.11E-02	1.82E-03	1.36E-03
4189	563020.7	4234992	1.49E-02	2.52E-03	1.20E-02	1.97E-03	1.47E-03
4190	563029.1	4234997	1.60E-02	2.72E-03	1.29E-02	2.12E-03	1.58E-03
4191	563037.6	4235001	1.74E-02	2.96E-03	1.41E-02	2.30E-03	1.72E-03
4192	563046	4235006	1.90E-02	3.22E-03	1.53E-02	2.51E-03	1.88E-03
4193	563054.5	4235010	2.06E-02	3.50E-03	1.67E-02	2.73E-03	2.04E-03
4194	563062.9	4235015	2.23E-02	3.79E-03	1.80E-02	2.95E-03	2.21E-03
4195	563071.4	4235020	2.40E-02	4.07E-03	1.94E-02	3.17E-03	2.37E-03
4196	563079.8	4235024	2.56E-02	4.34E-03	2.07E-02	3.39E-03	2.53E-03
4197	563088.3	4235029	2.70E-02	4.59E-03	2.18E-02	3.58E-03	2.67E-03
4198	563096.7	4235033	2.82E-02	4.78E-03	2.28E-02	3.73E-03	2.78E-03
4199	563105.2	4235038	2.91E-02	4.94E-03	2.35E-02	3.85E-03	2.87E-03
4200	563113.6	4235042	2.98E-02	5.06E-03	2.41E-02	3.95E-03	2.95E-03
4201	563122.1	4235047	3.04E-02	5.15E-03	2.45E-02	4.02E-03	3.00E-03
4202	563130.5	4235051	3.06E-02	5.19E-03	2.47E-02	4.05E-03	3.02E-03
4203	563139	4235056	3.05E-02	5.18E-03	2.47E-02	4.04E-03	3.02E-03
4204	563147.4	4235061	3.02E-02	5.13E-03	2.44E-02	4.00E-03	2.99E-03
4205	563155.9	4235065	2.97E-02	5.05E-03	2.40E-02	3.93E-03	2.94E-03
4206	563164.4	4235070	2.90E-02	4.92E-03	2.34E-02	3.84E-03	2.87E-03
4207	563172.8	4235074	2.81E-02	4.77E-03	2.27E-02	3.72E-03	2.78E-03

4208	563181.3	4235079	2.71E-02	4.59E-03	2.19E-02	3.58E-03	2.67E-03
4209	562987.8	4234994	1.07E-02	1.82E-03	8.66E-03	1.42E-03	1.06E-03
4210	562981.3	4234988	1.02E-02	1.74E-03	8.26E-03	1.35E-03	1.01E-03
4211	562974.8	4234981	9.77E-03	1.66E-03	7.89E-03	1.29E-03	9.65E-04
4212	562968.3	4234975	9.36E-03	1.59E-03	7.55E-03	1.24E-03	9.24E-04
4213	562961.8	4234968	8.99E-03	1.52E-03	7.26E-03	1.19E-03	8.88E-04
4214	562955.3	4234962	8.66E-03	1.47E-03	6.99E-03	1.15E-03	8.56E-04
4215	562948.8	4234955	8.38E-03	1.42E-03	6.77E-03	1.11E-03	8.28E-04
4216	562942.4	4234949	8.15E-03	1.38E-03	6.58E-03	1.08E-03	8.05E-04
4217	562935.9	4234942	7.97E-03	1.35E-03	6.44E-03	1.05E-03	7.87E-04
4218	562927.5	4234927	8.04E-03	1.36E-03	6.49E-03	1.06E-03	7.94E-04
4219	562925.6	4234918	8.32E-03	1.41E-03	6.72E-03	1.10E-03	8.21E-04
4220	562923.8	4234909	8.66E-03	1.47E-03	6.99E-03	1.15E-03	8.55E-04
4221	562921.9	4234900	9.09E-03	1.54E-03	7.34E-03	1.20E-03	8.97E-04
4222	562920	4234891	9.59E-03	1.63E-03	7.75E-03	1.27E-03	9.47E-04
4223	562918.2	4234882	1.02E-02	1.73E-03	8.23E-03	1.35E-03	1.01E-03
4224	562916.3	4234873	1.09E-02	1.85E-03	8.79E-03	1.44E-03	1.08E-03
4225	562914.5	4234864	1.17E-02	1.98E-03	9.42E-03	1.54E-03	1.15E-03
4226	562912.6	4234855	1.25E-02	2.13E-03	1.01E-02	1.66E-03	1.24E-03
4227	562994.3	4235001	1.13E-02	1.91E-03	9.09E-03	1.49E-03	1.11E-03
4228	563002.7	4235005	1.21E-02	2.05E-03	9.76E-03	1.60E-03	1.19E-03
4229	563011.2	4235010	1.30E-02	2.21E-03	1.05E-02	1.72E-03	1.28E-03
4230	563019.6	4235014	1.40E-02	2.37E-03	1.13E-02	1.85E-03	1.38E-03
4231	563028.1	4235019	1.50E-02	2.55E-03	1.21E-02	1.99E-03	1.49E-03
4232	563036.6	4235024	1.62E-02	2.75E-03	1.31E-02	2.14E-03	1.60E-03
4233	563045	4235028	1.75E-02	2.97E-03	1.41E-02	2.32E-03	1.73E-03
4234	563053.5	4235033	1.89E-02	3.20E-03	1.52E-02	2.49E-03	1.86E-03
4235	563061.9	4235037	2.02E-02	3.43E-03	1.63E-02	2.67E-03	2.00E-03
4236	563070.4	4235042	2.15E-02	3.64E-03	1.73E-02	2.84E-03	2.12E-03
4237	563078.8	4235046	2.26E-02	3.83E-03	1.82E-02	2.99E-03	2.23E-03
4238	563087.3	4235051	2.36E-02	4.00E-03	1.90E-02	3.11E-03	2.33E-03
4239	563095.7	4235055	2.44E-02	4.14E-03	1.97E-02	3.22E-03	2.41E-03
4240	563104.2	4235060	2.52E-02	4.27E-03	2.03E-02	3.33E-03	2.49E-03
4241	563112.6	4235064	2.58E-02	4.38E-03	2.08E-02	3.41E-03	2.55E-03
4242	563121.1	4235069	2.61E-02	4.44E-03	2.11E-02	3.46E-03	2.58E-03
4243	563129.5	4235074	2.63E-02	4.46E-03	2.12E-02	3.48E-03	2.60E-03
4244	563138	4235078	2.63E-02	4.46E-03	2.12E-02	3.47E-03	2.59E-03
4245	563146.4	4235083	2.61E-02	4.42E-03	2.11E-02	3.45E-03	2.57E-03
4246	563154.9	4235087	2.57E-02	4.36E-03	2.08E-02	3.40E-03	2.54E-03
4247	563163.3	4235092	2.51E-02	4.26E-03	2.03E-02	3.32E-03	2.48E-03
4248	563171.8	4235096	2.44E-02	4.13E-03	1.97E-02	3.22E-03	2.41E-03
4249	562978.2	4235012	9.64E-03	1.64E-03	7.79E-03	1.28E-03	9.52E-04
4250	562971.5	4235005	9.21E-03	1.56E-03	7.43E-03	1.22E-03	9.09E-04
4251	562964.9	4234999	8.81E-03	1.49E-03	7.11E-03	1.16E-03	8.70E-04
4252	562958.3	4234992	8.43E-03	1.43E-03	6.81E-03	1.12E-03	8.33E-04
4253	562951.6	4234985	8.10E-03	1.37E-03	6.54E-03	1.07E-03	8.00E-04
4254	562945	4234979	7.79E-03	1.32E-03	6.29E-03	1.03E-03	7.70E-04
4255	562938.3	4234972	7.52E-03	1.28E-03	6.08E-03	9.95E-04	7.43E-04
4256	562931.7	4234965	7.29E-03	1.24E-03	5.89E-03	9.64E-04	7.20E-04
4257	562925.1	4234959	7.10E-03	1.20E-03	5.73E-03	9.39E-04	7.01E-04
4258	562918.4	4234952	6.94E-03	1.18E-03	5.60E-03	9.18E-04	6.85E-04
4259	562909.9	4234936	6.98E-03	1.19E-03	5.64E-03	9.24E-04	6.90E-04

4260	562908	4234927	7.20E-03	1.22E-03	5.81E-03	9.52E-04	7.11E-04
4261	562906.1	4234918	7.47E-03	1.27E-03	6.03E-03	9.88E-04	7.38E-04
4262	562904.1	4234909	7.80E-03	1.32E-03	6.30E-03	1.03E-03	7.70E-04
4263	562902.2	4234900	8.20E-03	1.39E-03	6.62E-03	1.09E-03	8.10E-04
4264	562900.3	4234890	8.68E-03	1.47E-03	7.01E-03	1.15E-03	8.58E-04
4265	562898.4	4234881	9.24E-03	1.57E-03	7.46E-03	1.22E-03	9.13E-04
4266	562896.5	4234872	9.88E-03	1.68E-03	7.98E-03	1.31E-03	9.76E-04
4267	562894.6	4234863	1.06E-02	1.80E-03	8.55E-03	1.40E-03	1.05E-03
4268	562892.7	4234854	1.14E-02	1.93E-03	9.19E-03	1.51E-03	1.12E-03
4269	562984.8	4235018	1.01E-02	1.71E-03	8.16E-03	1.34E-03	9.98E-04
4270	562993.3	4235023	1.08E-02	1.83E-03	8.71E-03	1.43E-03	1.07E-03
4271	563001.7	4235028	1.15E-02	1.96E-03	9.31E-03	1.53E-03	1.14E-03
4272	563010.2	4235032	1.23E-02	2.09E-03	9.96E-03	1.63E-03	1.22E-03
4273	563018.6	4235037	1.32E-02	2.24E-03	1.07E-02	1.75E-03	1.30E-03
4274	563027.1	4235041	1.41E-02	2.39E-03	1.14E-02	1.87E-03	1.39E-03
4275	563035.5	4235046	1.51E-02	2.56E-03	1.22E-02	1.99E-03	1.49E-03
4276	563044	4235050	1.62E-02	2.74E-03	1.31E-02	2.14E-03	1.60E-03
4277	563052.4	4235055	1.73E-02	2.93E-03	1.40E-02	2.29E-03	1.71E-03
4278	563060.9	4235059	1.84E-02	3.12E-03	1.48E-02	2.43E-03	1.81E-03
4279	563069.3	4235064	1.93E-02	3.28E-03	1.56E-02	2.56E-03	1.91E-03
4280	563077.8	4235068	2.02E-02	3.42E-03	1.63E-02	2.67E-03	1.99E-03
4281	563086.2	4235073	2.09E-02	3.55E-03	1.69E-02	2.77E-03	2.07E-03
4282	563094.7	4235078	2.16E-02	3.66E-03	1.74E-02	2.86E-03	2.13E-03
4283	563103.1	4235082	2.21E-02	3.75E-03	1.79E-02	2.93E-03	2.19E-03
4284	563111.6	4235087	2.25E-02	3.82E-03	1.82E-02	2.97E-03	2.22E-03
4285	563120	4235091	2.27E-02	3.86E-03	1.84E-02	3.01E-03	2.24E-03
4286	563128.5	4235096	2.29E-02	3.88E-03	1.85E-02	3.02E-03	2.26E-03
4287	563136.9	4235100	2.28E-02	3.87E-03	1.84E-02	3.02E-03	2.26E-03
4288	563145.4	4235105	2.26E-02	3.84E-03	1.83E-02	2.99E-03	2.24E-03
4289	563153.8	4235109	2.23E-02	3.78E-03	1.80E-02	2.95E-03	2.20E-03
4290	563162.3	4235114	2.18E-02	3.71E-03	1.76E-02	2.89E-03	2.16E-03
4291	562968.6	4235029	8.74E-03	1.48E-03	7.05E-03	1.16E-03	8.63E-04
4292	562961.8	4235023	8.36E-03	1.42E-03	6.75E-03	1.11E-03	8.25E-04
4293	562955	4235016	8.00E-03	1.36E-03	6.46E-03	1.06E-03	7.90E-04
4294	562948.3	4235009	7.67E-03	1.30E-03	6.19E-03	1.01E-03	7.58E-04
4295	562941.5	4235002	7.36E-03	1.25E-03	5.95E-03	9.74E-04	7.27E-04
4296	562934.8	4234996	7.08E-03	1.20E-03	5.72E-03	9.37E-04	7.00E-04
4297	562928	4234989	6.83E-03	1.16E-03	5.52E-03	9.04E-04	6.75E-04
4298	562921.2	4234982	6.61E-03	1.12E-03	5.34E-03	8.74E-04	6.53E-04
4299	562914.5	4234975	6.41E-03	1.09E-03	5.18E-03	8.48E-04	6.33E-04
4300	562907.7	4234968	6.25E-03	1.06E-03	5.04E-03	8.26E-04	6.17E-04
4301	562900.9	4234962	6.11E-03	1.04E-03	4.94E-03	8.08E-04	6.04E-04
4302	562892.2	4234946	6.14E-03	1.04E-03	4.95E-03	8.11E-04	6.06E-04
4303	562890.3	4234936	6.30E-03	1.07E-03	5.09E-03	8.34E-04	6.23E-04
4304	562888.4	4234927	6.52E-03	1.11E-03	5.26E-03	8.62E-04	6.44E-04
4305	562886.4	4234918	6.78E-03	1.15E-03	5.48E-03	8.97E-04	6.70E-04
4306	562884.5	4234908	7.10E-03	1.21E-03	5.74E-03	9.40E-04	7.02E-04
4307	562882.5	4234899	7.49E-03	1.27E-03	6.05E-03	9.90E-04	7.40E-04
4308	562880.6	4234889	7.94E-03	1.35E-03	6.41E-03	1.05E-03	7.84E-04
4309	562878.6	4234880	8.46E-03	1.44E-03	6.83E-03	1.12E-03	8.35E-04
4310	562876.7	4234871	9.01E-03	1.53E-03	7.28E-03	1.19E-03	8.90E-04
4311	562874.8	4234861	9.57E-03	1.62E-03	7.73E-03	1.27E-03	9.45E-04

4312	562872.8	4234852	1.01E-02	1.72E-03	8.19E-03	1.34E-03	1.00E-03
4313	562975.3	4235036	9.13E-03	1.55E-03	7.37E-03	1.21E-03	9.02E-04
4314	562983.8	4235041	9.71E-03	1.65E-03	7.84E-03	1.28E-03	9.59E-04
4315	562992.2	4235045	1.03E-02	1.75E-03	8.34E-03	1.37E-03	1.02E-03
4316	563000.7	4235050	1.10E-02	1.87E-03	8.88E-03	1.45E-03	1.09E-03
4317	563009.1	4235054	1.17E-02	1.99E-03	9.45E-03	1.55E-03	1.16E-03
4318	563017.6	4235059	1.25E-02	2.11E-03	1.01E-02	1.65E-03	1.23E-03
4319	563026	4235063	1.32E-02	2.24E-03	1.07E-02	1.75E-03	1.31E-03
4320	563034.5	4235068	1.40E-02	2.38E-03	1.13E-02	1.86E-03	1.39E-03
4321	563042.9	4235072	1.49E-02	2.54E-03	1.21E-02	1.98E-03	1.48E-03
4322	563051.4	4235077	1.59E-02	2.69E-03	1.28E-02	2.10E-03	1.57E-03
4323	563059.8	4235082	1.68E-02	2.84E-03	1.35E-02	2.22E-03	1.65E-03
4324	563068.3	4235086	1.75E-02	2.98E-03	1.42E-02	2.32E-03	1.73E-03
4325	563076.8	4235091	1.82E-02	3.09E-03	1.47E-02	2.41E-03	1.80E-03
4326	563085.2	4235095	1.88E-02	3.19E-03	1.52E-02	2.49E-03	1.86E-03
4327	563093.7	4235100	1.93E-02	3.27E-03	1.56E-02	2.55E-03	1.91E-03
4328	563102.1	4235104	1.97E-02	3.34E-03	1.59E-02	2.60E-03	1.94E-03
4329	563110.6	4235109	2.00E-02	3.39E-03	1.61E-02	2.64E-03	1.97E-03
4330	563119	4235113	2.01E-02	3.42E-03	1.63E-02	2.66E-03	1.99E-03
4331	563127.5	4235118	2.02E-02	3.42E-03	1.63E-02	2.67E-03	1.99E-03
4332	563135.9	4235122	2.01E-02	3.41E-03	1.62E-02	2.66E-03	1.99E-03
4333	563144.4	4235127	1.99E-02	3.38E-03	1.61E-02	2.63E-03	1.97E-03
4334	563152.8	4235132	1.96E-02	3.33E-03	1.58E-02	2.60E-03	1.94E-03
4335	562959.5	4235047	7.99E-03	1.36E-03	6.45E-03	1.06E-03	7.89E-04
4336	562953.1	4235041	7.68E-03	1.30E-03	6.20E-03	1.02E-03	7.59E-04
4337	562946.7	4235035	7.39E-03	1.25E-03	5.96E-03	9.77E-04	7.29E-04
4338	562940.3	4235028	7.11E-03	1.21E-03	5.74E-03	9.40E-04	7.02E-04
4339	562927.6	4235015	6.60E-03	1.12E-03	5.33E-03	8.73E-04	6.52E-04
4340	562921.2	4235009	6.37E-03	1.08E-03	5.15E-03	8.43E-04	6.30E-04
4341	562914.8	4235003	6.17E-03	1.05E-03	4.98E-03	8.16E-04	6.09E-04
4342	562902.1	4234990	5.81E-03	9.86E-04	4.69E-03	7.68E-04	5.74E-04
4343	562895.7	4234984	5.66E-03	9.61E-04	4.57E-03	7.49E-04	5.59E-04
4344	562889.3	4234977	5.53E-03	9.39E-04	4.47E-03	7.32E-04	5.47E-04
4345	562874.8	4234956	5.44E-03	9.22E-04	4.39E-03	7.19E-04	5.37E-04
4346	562871.1	4234938	5.71E-03	9.69E-04	4.61E-03	7.55E-04	5.64E-04
4347	562869.3	4234929	5.90E-03	1.00E-03	4.76E-03	7.80E-04	5.82E-04
4348	562865.6	4234912	6.39E-03	1.08E-03	5.16E-03	8.45E-04	6.31E-04
4349	562863.8	4234903	6.70E-03	1.14E-03	5.41E-03	8.87E-04	6.62E-04
4350	562860.1	4234885	7.48E-03	1.27E-03	6.04E-03	9.90E-04	7.39E-04
4351	562856.4	4234867	8.27E-03	1.40E-03	6.68E-03	1.09E-03	8.17E-04
4352	562854.6	4234859	8.60E-03	1.46E-03	6.95E-03	1.14E-03	8.50E-04
4353	562974.3	4235058	8.80E-03	1.49E-03	7.11E-03	1.16E-03	8.69E-04
4354	562982.8	4235063	9.33E-03	1.58E-03	7.53E-03	1.23E-03	9.21E-04
4355	562991.2	4235067	9.89E-03	1.68E-03	7.98E-03	1.31E-03	9.76E-04
4356	562999.7	4235072	1.05E-02	1.78E-03	8.46E-03	1.39E-03	1.03E-03
4357	563008.1	4235076	1.11E-02	1.88E-03	8.96E-03	1.47E-03	1.10E-03
4358	563016.6	4235081	1.17E-02	1.99E-03	9.48E-03	1.55E-03	1.16E-03
4359	563025	4235085	1.24E-02	2.10E-03	1.00E-02	1.64E-03	1.22E-03
4360	563033.5	4235090	1.31E-02	2.22E-03	1.06E-02	1.73E-03	1.29E-03
4361	563041.9	4235095	1.38E-02	2.35E-03	1.12E-02	1.83E-03	1.37E-03
4362	563050.4	4235099	1.46E-02	2.48E-03	1.18E-02	1.93E-03	1.44E-03
4363	563058.8	4235104	1.53E-02	2.60E-03	1.24E-02	2.03E-03	1.51E-03

4364	563067.3	4235108	1.60E-02	2.71E-03	1.29E-02	2.11E-03	1.58E-03
4365	563075.7	4235113	1.65E-02	2.80E-03	1.33E-02	2.18E-03	1.63E-03
4366	563084.2	4235117	1.70E-02	2.88E-03	1.37E-02	2.24E-03	1.68E-03
4367	563092.6	4235122	1.74E-02	2.94E-03	1.40E-02	2.29E-03	1.71E-03
4368	563101.1	4235126	1.77E-02	3.00E-03	1.43E-02	2.34E-03	1.74E-03
4369	563109.5	4235131	1.79E-02	3.03E-03	1.44E-02	2.36E-03	1.76E-03
4370	563118	4235136	1.80E-02	3.05E-03	1.45E-02	2.38E-03	1.78E-03
4371	563126.4	4235140	1.80E-02	3.05E-03	1.45E-02	2.38E-03	1.78E-03
4372	563134.9	4235145	1.79E-02	3.04E-03	1.45E-02	2.37E-03	1.77E-03
4373	563143.3	4235149	1.77E-02	3.01E-03	1.43E-02	2.35E-03	1.75E-03
4374	562949.9	4235065	7.32E-03	1.24E-03	5.91E-03	9.69E-04	7.23E-04
4375	562943.4	4235058	7.05E-03	1.20E-03	5.69E-03	9.32E-04	6.96E-04
4376	562936.9	4235052	6.79E-03	1.15E-03	5.48E-03	8.98E-04	6.71E-04
4377	562930.4	4235045	6.54E-03	1.11E-03	5.28E-03	8.65E-04	6.46E-04
4378	562923.9	4235039	6.30E-03	1.07E-03	5.09E-03	8.34E-04	6.23E-04
4379	562917.4	4235032	6.08E-03	1.03E-03	4.91E-03	8.04E-04	6.01E-04
4380	562910.9	4235026	5.87E-03	9.97E-04	4.74E-03	7.77E-04	5.80E-04
4381	562904.4	4235019	5.68E-03	9.64E-04	4.59E-03	7.51E-04	5.61E-04
4382	562897.9	4235013	5.51E-03	9.34E-04	4.45E-03	7.28E-04	5.44E-04
4383	562891.4	4235006	5.34E-03	9.07E-04	4.32E-03	7.07E-04	5.28E-04
4384	562885	4235000	5.20E-03	8.82E-04	4.20E-03	6.88E-04	5.13E-04
4385	562878.5	4234993	5.07E-03	8.61E-04	4.09E-03	6.71E-04	5.01E-04
4386	562872	4234987	4.96E-03	8.42E-04	4.01E-03	6.56E-04	4.90E-04
4387	562865.5	4234980	4.87E-03	8.26E-04	3.93E-03	6.44E-04	4.81E-04
4388	562857.1	4234965	4.87E-03	8.26E-04	3.93E-03	6.44E-04	4.81E-04
4389	562855.3	4234956	4.96E-03	8.42E-04	4.01E-03	6.56E-04	4.90E-04
4390	562853.4	4234947	5.09E-03	8.63E-04	4.11E-03	6.73E-04	5.02E-04
4391	562851.5	4234938	5.24E-03	8.89E-04	4.23E-03	6.93E-04	5.18E-04
4392	562849.7	4234929	5.42E-03	9.20E-04	4.38E-03	7.17E-04	5.36E-04
4393	562847.8	4234920	5.64E-03	9.58E-04	4.56E-03	7.46E-04	5.57E-04
4394	562845.9	4234911	5.90E-03	1.00E-03	4.77E-03	7.80E-04	5.83E-04
4395	562844.1	4234902	6.20E-03	1.05E-03	5.01E-03	8.20E-04	6.12E-04
4396	562842.2	4234893	6.55E-03	1.11E-03	5.29E-03	8.66E-04	6.46E-04
4397	562840.3	4234884	6.94E-03	1.18E-03	5.60E-03	9.17E-04	6.85E-04
4398	562838.5	4234875	7.37E-03	1.25E-03	5.95E-03	9.74E-04	7.27E-04
4399	562836.6	4234866	7.76E-03	1.32E-03	6.27E-03	1.03E-03	7.67E-04
4400	562834.8	4234857	8.22E-03	1.40E-03	6.64E-03	1.09E-03	8.12E-04
4401	562832.9	4234848	8.75E-03	1.48E-03	7.06E-03	1.16E-03	8.64E-04
4402	562964.8	4235076	8.03E-03	1.36E-03	6.48E-03	1.06E-03	7.93E-04
4403	562973.3	4235080	8.48E-03	1.44E-03	6.85E-03	1.12E-03	8.37E-04
4404	562981.7	4235085	8.95E-03	1.52E-03	7.23E-03	1.18E-03	8.84E-04
4405	562990.2	4235089	9.45E-03	1.60E-03	7.63E-03	1.25E-03	9.33E-04
4406	562998.6	4235094	9.97E-03	1.69E-03	8.05E-03	1.32E-03	9.85E-04
4407	563007.1	4235099	1.05E-02	1.78E-03	8.49E-03	1.39E-03	1.04E-03
4408	563015.5	4235103	1.11E-02	1.88E-03	8.94E-03	1.46E-03	1.09E-03
4409	563024	4235108	1.16E-02	1.97E-03	9.39E-03	1.54E-03	1.15E-03
4410	563032.4	4235112	1.22E-02	2.07E-03	9.85E-03	1.61E-03	1.20E-03
4411	563040.9	4235117	1.28E-02	2.18E-03	1.04E-02	1.70E-03	1.27E-03
4412	563049.3	4235121	1.34E-02	2.28E-03	1.09E-02	1.78E-03	1.33E-03
4413	563057.8	4235126	1.40E-02	2.37E-03	1.13E-02	1.85E-03	1.38E-03
4414	563066.2	4235130	1.45E-02	2.46E-03	1.17E-02	1.91E-03	1.43E-03
4415	563074.7	4235135	1.49E-02	2.53E-03	1.20E-02	1.97E-03	1.47E-03

4416	563083.1	4235139	1.53E-02	2.60E-03	1.24E-02	2.03E-03	1.51E-03
4417	563091.6	4235144	1.57E-02	2.66E-03	1.27E-02	2.07E-03	1.55E-03
4418	563100	4235149	1.59E-02	2.70E-03	1.29E-02	2.11E-03	1.57E-03
4419	563108.5	4235153	1.61E-02	2.72E-03	1.30E-02	2.12E-03	1.59E-03
4420	563117	4235158	1.61E-02	2.74E-03	1.30E-02	2.13E-03	1.59E-03
4421	563125.4	4235162	1.62E-02	2.74E-03	1.31E-02	2.14E-03	1.60E-03
4422	563133.9	4235167	1.61E-02	2.73E-03	1.30E-02	2.13E-03	1.59E-03
4423	562940.3	4235082	6.75E-03	1.15E-03	5.45E-03	8.92E-04	6.66E-04
4424	562933.7	4235076	6.51E-03	1.10E-03	5.25E-03	8.60E-04	6.42E-04
4425	562927.1	4235069	6.27E-03	1.06E-03	5.06E-03	8.29E-04	6.19E-04
4426	562920.5	4235063	6.05E-03	1.03E-03	4.88E-03	8.00E-04	5.97E-04
4427	562913.9	4235056	5.84E-03	9.90E-04	4.71E-03	7.72E-04	5.76E-04
4428	562907.3	4235049	5.63E-03	9.56E-04	4.55E-03	7.45E-04	5.56E-04
4429	562900.7	4235043	5.44E-03	9.24E-04	4.40E-03	7.20E-04	5.38E-04
4430	562894.1	4235036	5.27E-03	8.94E-04	4.25E-03	6.96E-04	5.20E-04
4431	562887.5	4235030	5.10E-03	8.66E-04	4.12E-03	6.75E-04	5.04E-04
4432	562881	4235023	4.95E-03	8.40E-04	4.00E-03	6.55E-04	4.89E-04
4433	562874.4	4235016	4.81E-03	8.16E-04	3.88E-03	6.36E-04	4.75E-04
4434	562867.8	4235010	4.69E-03	7.95E-04	3.78E-03	6.20E-04	4.63E-04
4435	562861.2	4235003	4.58E-03	7.76E-04	3.69E-03	6.05E-04	4.52E-04
4436	562854.6	4234997	4.48E-03	7.60E-04	3.62E-03	5.92E-04	4.42E-04
4437	562848	4234990	4.40E-03	7.46E-04	3.55E-03	5.81E-04	4.34E-04
4438	562839.5	4234974	4.39E-03	7.45E-04	3.54E-03	5.80E-04	4.33E-04
4439	562837.6	4234965	4.47E-03	7.58E-04	3.61E-03	5.91E-04	4.41E-04
4440	562835.7	4234956	4.57E-03	7.75E-04	3.69E-03	6.04E-04	4.51E-04
4441	562833.8	4234947	4.69E-03	7.96E-04	3.79E-03	6.21E-04	4.64E-04
4442	562831.9	4234938	4.85E-03	8.22E-04	3.91E-03	6.41E-04	4.79E-04
4443	562830	4234929	5.03E-03	8.53E-04	4.06E-03	6.65E-04	4.96E-04
4444	562828.1	4234920	5.24E-03	8.89E-04	4.23E-03	6.93E-04	5.17E-04
4445	562826.2	4234911	5.49E-03	9.31E-04	4.43E-03	7.26E-04	5.42E-04
4446	562824.4	4234901	5.77E-03	9.80E-04	4.66E-03	7.63E-04	5.70E-04
4447	562822.5	4234892	6.10E-03	1.03E-03	4.92E-03	8.06E-04	6.02E-04
4448	562820.6	4234883	6.46E-03	1.10E-03	5.22E-03	8.55E-04	6.38E-04
4449	562818.7	4234874	6.88E-03	1.17E-03	5.56E-03	9.10E-04	6.80E-04
4450	562816.8	4234865	7.34E-03	1.25E-03	5.93E-03	9.70E-04	7.25E-04
4451	562814.9	4234856	7.84E-03	1.33E-03	6.33E-03	1.04E-03	7.74E-04
4452	562813	4234847	8.37E-03	1.42E-03	6.76E-03	1.11E-03	8.27E-04
4453	562946.9	4235089	7.00E-03	1.19E-03	5.65E-03	9.26E-04	6.91E-04
4454	562955.3	4235093	7.36E-03	1.25E-03	5.95E-03	9.74E-04	7.27E-04
4455	562963.8	4235098	7.75E-03	1.31E-03	6.26E-03	1.02E-03	7.65E-04
4456	562972.2	4235103	8.15E-03	1.38E-03	6.58E-03	1.08E-03	8.05E-04
4457	562980.7	4235107	8.58E-03	1.46E-03	6.93E-03	1.13E-03	8.47E-04
4458	562989.2	4235112	9.02E-03	1.53E-03	7.29E-03	1.19E-03	8.91E-04
4459	562997.6	4235116	9.48E-03	1.61E-03	7.66E-03	1.25E-03	9.36E-04
4460	563006.1	4235121	9.95E-03	1.69E-03	8.04E-03	1.32E-03	9.83E-04
4461	563014.5	4235125	1.04E-02	1.77E-03	8.42E-03	1.38E-03	1.03E-03
4462	563023	4235130	1.09E-02	1.85E-03	8.81E-03	1.44E-03	1.08E-03
4463	563031.4	4235134	1.14E-02	1.93E-03	9.20E-03	1.51E-03	1.13E-03
4464	563039.9	4235139	1.19E-02	2.02E-03	9.59E-03	1.57E-03	1.17E-03
4465	563048.3	4235143	1.23E-02	2.09E-03	9.96E-03	1.63E-03	1.22E-03
4466	563056.8	4235148	1.27E-02	2.16E-03	1.03E-02	1.69E-03	1.26E-03
4467	563065.2	4235153	1.31E-02	2.23E-03	1.06E-02	1.74E-03	1.30E-03

4468	563073.7	4235157	1.35E-02	2.30E-03	1.09E-02	1.79E-03	1.34E-03
4469	563082.1	4235162	1.39E-02	2.35E-03	1.12E-02	1.83E-03	1.37E-03
4470	563090.6	4235166	1.41E-02	2.39E-03	1.14E-02	1.87E-03	1.39E-03
4471	563099	4235171	1.43E-02	2.43E-03	1.15E-02	1.89E-03	1.41E-03
4472	563107.5	4235175	1.45E-02	2.45E-03	1.17E-02	1.91E-03	1.43E-03
4473	563115.9	4235180	1.46E-02	2.47E-03	1.18E-02	1.93E-03	1.44E-03
4474	563124.4	4235184	1.46E-02	2.48E-03	1.18E-02	1.93E-03	1.44E-03
4475	562930.7	4235100	6.24E-03	1.06E-03	5.04E-03	8.26E-04	6.17E-04
4476	562924	4235093	6.03E-03	1.02E-03	4.87E-03	7.97E-04	5.95E-04
4477	562917.4	4235086	5.82E-03	9.87E-04	4.70E-03	7.69E-04	5.75E-04
4478	562910.7	4235080	5.62E-03	9.53E-04	4.54E-03	7.43E-04	5.55E-04
4479	562904	4235073	5.42E-03	9.20E-04	4.38E-03	7.17E-04	5.36E-04
4480	562897.3	4235066	5.24E-03	8.89E-04	4.23E-03	6.93E-04	5.18E-04
4481	562890.6	4235060	5.07E-03	8.60E-04	4.09E-03	6.70E-04	5.00E-04
4482	562883.9	4235053	4.90E-03	8.32E-04	3.96E-03	6.48E-04	4.84E-04
4483	562877.3	4235046	4.75E-03	8.06E-04	3.84E-03	6.28E-04	4.69E-04
4484	562870.6	4235040	4.61E-03	7.82E-04	3.72E-03	6.10E-04	4.55E-04
4485	562863.9	4235033	4.48E-03	7.60E-04	3.62E-03	5.92E-04	4.42E-04
4486	562857.2	4235026	4.36E-03	7.40E-04	3.52E-03	5.76E-04	4.30E-04
4487	562850.5	4235020	4.25E-03	7.21E-04	3.43E-03	5.62E-04	4.20E-04
4488	562843.8	4235013	4.15E-03	7.05E-04	3.35E-03	5.49E-04	4.10E-04
4489	562837.2	4235006	4.07E-03	6.90E-04	3.29E-03	5.38E-04	4.02E-04
4490	562830.5	4235000	4.00E-03	6.78E-04	3.23E-03	5.28E-04	3.95E-04
4491	562821.9	4234984	3.98E-03	6.76E-04	3.22E-03	5.27E-04	3.93E-04
4492	562820	4234975	4.04E-03	6.85E-04	3.26E-03	5.34E-04	3.99E-04
4493	562818	4234965	4.11E-03	6.97E-04	3.32E-03	5.44E-04	4.06E-04
4494	562816.1	4234956	4.21E-03	7.14E-04	3.40E-03	5.56E-04	4.15E-04
4495	562814.2	4234947	4.32E-03	7.33E-04	3.49E-03	5.71E-04	4.27E-04
4496	562812.3	4234938	4.46E-03	7.57E-04	3.60E-03	5.90E-04	4.41E-04
4497	562810.4	4234928	4.63E-03	7.85E-04	3.74E-03	6.12E-04	4.57E-04
4498	562808.4	4234919	4.82E-03	8.18E-04	3.89E-03	6.38E-04	4.76E-04
4499	562806.5	4234910	5.05E-03	8.57E-04	4.08E-03	6.68E-04	4.99E-04
4500	562804.6	4234901	5.32E-03	9.03E-04	4.30E-03	7.04E-04	5.26E-04
4501	562802.7	4234891	5.66E-03	9.60E-04	4.57E-03	7.48E-04	5.59E-04
4502	562800.8	4234882	6.04E-03	1.02E-03	4.87E-03	7.98E-04	5.96E-04
4503	562798.9	4234873	6.45E-03	1.09E-03	5.21E-03	8.53E-04	6.37E-04
4504	562796.9	4234864	6.88E-03	1.17E-03	5.55E-03	9.10E-04	6.79E-04
4505	562795	4234854	7.35E-03	1.25E-03	5.93E-03	9.71E-04	7.26E-04
4506	562793.1	4234845	7.84E-03	1.33E-03	6.33E-03	1.04E-03	7.75E-04
4507	562937.4	4235106	6.47E-03	1.10E-03	5.22E-03	8.55E-04	6.39E-04
4508	562945.9	4235111	6.79E-03	1.15E-03	5.48E-03	8.97E-04	6.70E-04
4509	562954.3	4235116	7.12E-03	1.21E-03	5.75E-03	9.42E-04	7.03E-04
4510	562962.8	4235120	7.47E-03	1.27E-03	6.03E-03	9.88E-04	7.38E-04
4511	562971.2	4235125	7.84E-03	1.33E-03	6.33E-03	1.04E-03	7.74E-04
4512	562979.7	4235129	8.21E-03	1.39E-03	6.63E-03	1.09E-03	8.11E-04
4513	562988.1	4235134	8.61E-03	1.46E-03	6.95E-03	1.14E-03	8.50E-04
4514	562996.6	4235138	9.01E-03	1.53E-03	7.27E-03	1.19E-03	8.90E-04
4515	563005	4235143	9.42E-03	1.60E-03	7.61E-03	1.25E-03	9.30E-04
4516	563013.5	4235147	9.83E-03	1.67E-03	7.94E-03	1.30E-03	9.71E-04
4517	563021.9	4235152	1.02E-02	1.74E-03	8.28E-03	1.36E-03	1.01E-03
4518	563030.4	4235157	1.07E-02	1.81E-03	8.61E-03	1.41E-03	1.05E-03
4519	563038.8	4235161	1.11E-02	1.88E-03	8.93E-03	1.46E-03	1.09E-03

4520	563047.3	4235166	1.14E-02	1.94E-03	9.23E-03	1.51E-03	1.13E-03
4521	563055.7	4235170	1.18E-02	2.00E-03	9.52E-03	1.56E-03	1.16E-03
4522	563064.2	4235175	1.21E-02	2.06E-03	9.78E-03	1.60E-03	1.20E-03
4523	563072.6	4235179	1.24E-02	2.10E-03	1.00E-02	1.64E-03	1.22E-03
4524	563081.1	4235184	1.26E-02	2.14E-03	1.02E-02	1.67E-03	1.25E-03
4525	563089.5	4235188	1.28E-02	2.18E-03	1.04E-02	1.70E-03	1.27E-03
4526	563098	4235193	1.30E-02	2.21E-03	1.05E-02	1.72E-03	1.29E-03
4527	563106.4	4235197	1.32E-02	2.23E-03	1.06E-02	1.74E-03	1.30E-03
4528	563114.9	4235202	1.32E-02	2.25E-03	1.07E-02	1.75E-03	1.31E-03
4529	562921.2	4235117	5.80E-03	9.84E-04	4.68E-03	7.67E-04	5.73E-04
4530	562914.4	4235111	5.61E-03	9.51E-04	4.53E-03	7.41E-04	5.54E-04
4531	562907.6	4235104	5.42E-03	9.19E-04	4.37E-03	7.16E-04	5.35E-04
4532	562900.9	4235097	5.24E-03	8.88E-04	4.23E-03	6.92E-04	5.17E-04
4533	562894.1	4235090	5.06E-03	8.59E-04	4.09E-03	6.69E-04	5.00E-04
4534	562887.4	4235084	4.89E-03	8.30E-04	3.95E-03	6.47E-04	4.83E-04
4535	562880.6	4235077	4.73E-03	8.03E-04	3.82E-03	6.26E-04	4.68E-04
4536	562873.8	4235070	4.58E-03	7.78E-04	3.70E-03	6.06E-04	4.53E-04
4537	562867.1	4235063	4.44E-03	7.54E-04	3.59E-03	5.88E-04	4.39E-04
4538	562860.3	4235057	4.31E-03	7.32E-04	3.48E-03	5.70E-04	4.26E-04
4539	562853.5	4235050	4.19E-03	7.11E-04	3.38E-03	5.54E-04	4.14E-04
4540	562846.8	4235043	4.08E-03	6.92E-04	3.29E-03	5.39E-04	4.02E-04
4541	562840	4235036	3.97E-03	6.74E-04	3.21E-03	5.25E-04	3.92E-04
4542	562833.3	4235030	3.88E-03	6.58E-04	3.13E-03	5.13E-04	3.83E-04
4543	562826.5	4235023	3.79E-03	6.44E-04	3.06E-03	5.02E-04	3.75E-04
4544	562819.7	4235016	3.72E-03	6.31E-04	3.00E-03	4.92E-04	3.67E-04
4545	562813	4235009	3.65E-03	6.20E-04	2.95E-03	4.83E-04	3.61E-04
4546	562804.3	4234993	3.63E-03	6.16E-04	2.93E-03	4.80E-04	3.59E-04
4547	562802.3	4234984	3.66E-03	6.22E-04	2.96E-03	4.84E-04	3.62E-04
4548	562800.4	4234974	3.70E-03	6.28E-04	2.99E-03	4.90E-04	3.66E-04
4549	562798.4	4234965	3.76E-03	6.38E-04	3.03E-03	4.97E-04	3.71E-04
4550	562796.5	4234956	3.85E-03	6.54E-04	3.11E-03	5.10E-04	3.81E-04
4551	562794.5	4234946	3.97E-03	6.73E-04	3.20E-03	5.25E-04	3.92E-04
4552	562792.6	4234937	4.11E-03	6.97E-04	3.32E-03	5.43E-04	4.06E-04
4553	562790.7	4234928	4.28E-03	7.25E-04	3.45E-03	5.65E-04	4.22E-04
4554	562788.7	4234918	4.47E-03	7.58E-04	3.61E-03	5.91E-04	4.41E-04
4555	562786.8	4234909	4.69E-03	7.96E-04	3.79E-03	6.21E-04	4.63E-04
4556	562784.8	4234900	4.97E-03	8.43E-04	4.01E-03	6.57E-04	4.91E-04
4557	562782.9	4234890	5.28E-03	8.96E-04	4.26E-03	6.98E-04	5.22E-04
4558	562781	4234881	5.63E-03	9.55E-04	4.54E-03	7.44E-04	5.56E-04
4559	562779	4234872	5.99E-03	1.02E-03	4.84E-03	7.93E-04	5.92E-04
4560	562777.1	4234862	6.38E-03	1.08E-03	5.15E-03	8.44E-04	6.30E-04
4561	562775.1	4234853	6.80E-03	1.15E-03	5.49E-03	8.99E-04	6.71E-04
4562	562773.2	4234843	7.25E-03	1.23E-03	5.85E-03	9.58E-04	7.16E-04
4563	562927.9	4235124	6.00E-03	1.02E-03	4.84E-03	7.93E-04	5.93E-04
4564	562936.4	4235129	6.28E-03	1.07E-03	5.07E-03	8.30E-04	6.20E-04
4565	562944.8	4235133	6.57E-03	1.12E-03	5.31E-03	8.69E-04	6.49E-04
4566	562953.3	4235138	6.88E-03	1.17E-03	5.55E-03	9.09E-04	6.79E-04
4567	562961.7	4235142	7.19E-03	1.22E-03	5.81E-03	9.51E-04	7.10E-04
4568	562970.2	4235147	7.52E-03	1.28E-03	6.07E-03	9.95E-04	7.43E-04
4569	562978.6	4235151	7.86E-03	1.33E-03	6.35E-03	1.04E-03	7.76E-04
4570	562987.1	4235156	8.21E-03	1.39E-03	6.63E-03	1.09E-03	8.10E-04
4571	562995.5	4235160	8.56E-03	1.45E-03	6.91E-03	1.13E-03	8.45E-04

4572	563004	4235165	8.92E-03	1.51E-03	7.20E-03	1.18E-03	8.81E-04
4573	563012.4	4235170	9.28E-03	1.57E-03	7.49E-03	1.23E-03	9.16E-04
4574	563020.9	4235174	9.63E-03	1.63E-03	7.78E-03	1.27E-03	9.51E-04
4575	563029.4	4235179	9.98E-03	1.69E-03	8.06E-03	1.32E-03	9.86E-04
4576	563037.8	4235183	1.03E-02	1.75E-03	8.33E-03	1.36E-03	1.02E-03
4577	563046.3	4235188	1.06E-02	1.81E-03	8.59E-03	1.41E-03	1.05E-03
4578	563054.7	4235192	1.09E-02	1.86E-03	8.83E-03	1.45E-03	1.08E-03
4579	563063.2	4235197	1.12E-02	1.90E-03	9.05E-03	1.48E-03	1.11E-03
4580	563071.6	4235201	1.14E-02	1.94E-03	9.23E-03	1.51E-03	1.13E-03
4581	563080.1	4235206	1.16E-02	1.97E-03	9.39E-03	1.54E-03	1.15E-03
4582	563088.5	4235211	1.18E-02	2.00E-03	9.52E-03	1.56E-03	1.16E-03
4583	563097	4235215	1.19E-02	2.02E-03	9.62E-03	1.58E-03	1.18E-03
4584	563105.4	4235220	1.20E-02	2.04E-03	9.70E-03	1.59E-03	1.19E-03
4585	562902.4	4235153	5.06E-03	8.59E-04	4.09E-03	6.70E-04	5.00E-04
4586	562895.8	4235146	4.91E-03	8.34E-04	3.97E-03	6.50E-04	4.85E-04
4587	562889.3	4235140	4.77E-03	8.09E-04	3.85E-03	6.30E-04	4.71E-04
4588	562882.7	4235133	4.62E-03	7.84E-04	3.73E-03	6.11E-04	4.56E-04
4589	562876.1	4235126	4.48E-03	7.60E-04	3.62E-03	5.93E-04	4.43E-04
4590	562869.6	4235120	4.35E-03	7.37E-04	3.51E-03	5.75E-04	4.29E-04
4591	562863	4235113	4.22E-03	7.15E-04	3.40E-03	5.58E-04	4.16E-04
4592	562856.4	4235107	4.09E-03	6.94E-04	3.30E-03	5.41E-04	4.04E-04
4593	562849.8	4235100	3.98E-03	6.75E-04	3.21E-03	5.26E-04	3.93E-04
4594	562843.3	4235094	3.86E-03	6.56E-04	3.12E-03	5.11E-04	3.82E-04
4595	562836.7	4235087	3.76E-03	6.38E-04	3.04E-03	4.97E-04	3.71E-04
4596	562830.1	4235081	3.66E-03	6.21E-04	2.96E-03	4.84E-04	3.62E-04
4597	562823.6	4235074	3.57E-03	6.05E-04	2.88E-03	4.72E-04	3.52E-04
4598	562817	4235067	3.48E-03	5.91E-04	2.81E-03	4.61E-04	3.44E-04
4599	562810.4	4235061	3.40E-03	5.77E-04	2.75E-03	4.50E-04	3.36E-04
4600	562803.9	4235054	3.33E-03	5.65E-04	2.69E-03	4.40E-04	3.29E-04
4601	562797.3	4235048	3.26E-03	5.53E-04	2.63E-03	4.31E-04	3.22E-04
4602	562790.7	4235041	3.19E-03	5.41E-04	2.58E-03	4.22E-04	3.15E-04
4603	562784.1	4235035	3.12E-03	5.29E-04	2.52E-03	4.12E-04	3.08E-04
4604	562777.6	4235028	3.05E-03	5.18E-04	2.46E-03	4.03E-04	3.01E-04
4605	562769.1	4235012	3.01E-03	5.11E-04	2.43E-03	3.98E-04	2.98E-04
4606	562767.2	4235003	3.04E-03	5.16E-04	2.46E-03	4.02E-04	3.00E-04
4607	562765.3	4234994	3.08E-03	5.23E-04	2.49E-03	4.07E-04	3.04E-04
4608	562763.5	4234985	3.13E-03	5.31E-04	2.53E-03	4.14E-04	3.09E-04
4609	562761.6	4234976	3.19E-03	5.42E-04	2.58E-03	4.22E-04	3.15E-04
4610	562759.7	4234967	3.27E-03	5.55E-04	2.64E-03	4.32E-04	3.23E-04
4611	562757.8	4234958	3.36E-03	5.70E-04	2.71E-03	4.45E-04	3.32E-04
4612	562755.9	4234949	3.47E-03	5.89E-04	2.80E-03	4.59E-04	3.43E-04
4613	562754	4234940	3.59E-03	6.10E-04	2.90E-03	4.75E-04	3.55E-04
4614	562752.1	4234931	3.74E-03	6.34E-04	3.02E-03	4.94E-04	3.69E-04
4615	562750.3	4234922	3.90E-03	6.61E-04	3.15E-03	5.15E-04	3.85E-04
4616	562748.4	4234912	4.08E-03	6.93E-04	3.30E-03	5.40E-04	4.03E-04
4617	562746.5	4234903	4.29E-03	7.28E-04	3.46E-03	5.67E-04	4.24E-04
4618	562744.6	4234894	4.52E-03	7.67E-04	3.65E-03	5.98E-04	4.46E-04
4619	562742.7	4234885	4.78E-03	8.11E-04	3.86E-03	6.32E-04	4.72E-04
4620	562740.8	4234876	5.06E-03	8.59E-04	4.09E-03	6.69E-04	5.00E-04
4621	562738.9	4234867	5.37E-03	9.12E-04	4.34E-03	7.10E-04	5.31E-04
4622	562737.1	4234858	5.71E-03	9.69E-04	4.61E-03	7.55E-04	5.64E-04
4623	562735.2	4234849	6.07E-03	1.03E-03	4.90E-03	8.03E-04	5.99E-04

4624	562733.3	4234840	6.45E-03	1.10E-03	5.21E-03	8.53E-04	6.37E-04
4625	562909	4235159	5.22E-03	8.85E-04	4.21E-03	6.90E-04	5.15E-04
4626	562917.4	4235164	5.44E-03	9.23E-04	4.39E-03	7.19E-04	5.37E-04
4627	562925.9	4235168	5.67E-03	9.61E-04	4.57E-03	7.49E-04	5.60E-04
4628	562934.3	4235173	5.90E-03	1.00E-03	4.76E-03	7.80E-04	5.83E-04
4629	562942.8	4235177	6.14E-03	1.04E-03	4.96E-03	8.12E-04	6.07E-04
4630	562951.2	4235182	6.39E-03	1.08E-03	5.16E-03	8.45E-04	6.31E-04
4631	562959.7	4235187	6.65E-03	1.13E-03	5.37E-03	8.79E-04	6.57E-04
4632	562968.1	4235191	6.91E-03	1.17E-03	5.58E-03	9.14E-04	6.83E-04
4633	562976.6	4235196	7.18E-03	1.22E-03	5.80E-03	9.49E-04	7.09E-04
4634	562985	4235200	7.45E-03	1.26E-03	6.02E-03	9.85E-04	7.36E-04
4635	562993.5	4235205	7.72E-03	1.31E-03	6.24E-03	1.02E-03	7.63E-04
4636	563001.9	4235209	8.00E-03	1.36E-03	6.46E-03	1.06E-03	7.90E-04
4637	563010.4	4235214	8.27E-03	1.40E-03	6.68E-03	1.09E-03	8.17E-04
4638	563018.8	4235218	8.54E-03	1.45E-03	6.89E-03	1.13E-03	8.43E-04
4639	563027.3	4235223	8.80E-03	1.49E-03	7.10E-03	1.16E-03	8.69E-04
4640	563035.7	4235228	9.04E-03	1.53E-03	7.30E-03	1.20E-03	8.93E-04
4641	563044.2	4235232	9.27E-03	1.57E-03	7.49E-03	1.23E-03	9.16E-04
4642	563052.6	4235237	9.48E-03	1.61E-03	7.66E-03	1.25E-03	9.36E-04
4643	563061.1	4235241	9.67E-03	1.64E-03	7.81E-03	1.28E-03	9.55E-04
4644	563069.6	4235246	9.83E-03	1.67E-03	7.94E-03	1.30E-03	9.71E-04
4645	563078	4235250	9.96E-03	1.69E-03	8.04E-03	1.32E-03	9.84E-04
4646	563086.5	4235255	1.01E-02	1.71E-03	8.12E-03	1.33E-03	9.94E-04
4647	562883.3	4235188	4.47E-03	7.58E-04	3.61E-03	5.91E-04	4.41E-04
4648	562876.6	4235181	4.34E-03	7.37E-04	3.51E-03	5.74E-04	4.29E-04
4649	562869.9	4235174	4.22E-03	7.16E-04	3.41E-03	5.58E-04	4.17E-04
4650	562863.2	4235168	4.10E-03	6.95E-04	3.31E-03	5.42E-04	4.05E-04
4651	562856.5	4235161	3.98E-03	6.75E-04	3.21E-03	5.26E-04	3.93E-04
4652	562849.8	4235154	3.86E-03	6.55E-04	3.12E-03	5.11E-04	3.81E-04
4653	562843.1	4235148	3.75E-03	6.37E-04	3.03E-03	4.96E-04	3.70E-04
4654	562836.4	4235141	3.64E-03	6.18E-04	2.94E-03	4.82E-04	3.60E-04
4655	562829.7	4235134	3.54E-03	6.01E-04	2.86E-03	4.69E-04	3.50E-04
4656	562823	4235128	3.45E-03	5.85E-04	2.78E-03	4.56E-04	3.40E-04
4657	562816.3	4235121	3.35E-03	5.69E-04	2.71E-03	4.43E-04	3.31E-04
4658	562809.6	4235114	3.27E-03	5.55E-04	2.64E-03	4.32E-04	3.23E-04
4659	562802.9	4235107	3.19E-03	5.41E-04	2.58E-03	4.22E-04	3.15E-04
4660	562796.2	4235101	3.11E-03	5.28E-04	2.51E-03	4.12E-04	3.07E-04
4661	562789.5	4235094	3.03E-03	5.14E-04	2.45E-03	4.01E-04	2.99E-04
4662	562782.7	4235087	2.95E-03	5.00E-04	2.38E-03	3.90E-04	2.91E-04
4663	562776	4235081	2.87E-03	4.87E-04	2.32E-03	3.80E-04	2.83E-04
4664	562769.3	4235074	2.80E-03	4.75E-04	2.26E-03	3.70E-04	2.76E-04
4665	562762.6	4235067	2.73E-03	4.64E-04	2.21E-03	3.61E-04	2.70E-04
4666	562755.9	4235061	2.69E-03	4.56E-04	2.17E-03	3.55E-04	2.65E-04
4667	562749.2	4235054	2.64E-03	4.48E-04	2.13E-03	3.49E-04	2.61E-04
4668	562742.5	4235047	2.60E-03	4.42E-04	2.10E-03	3.44E-04	2.57E-04
4669	562733.9	4235031	2.58E-03	4.39E-04	2.09E-03	3.42E-04	2.55E-04
4670	562732	4235022	2.61E-03	4.43E-04	2.11E-03	3.45E-04	2.58E-04
4671	562730	4235013	2.64E-03	4.48E-04	2.13E-03	3.49E-04	2.61E-04
4672	562728.1	4235003	2.68E-03	4.54E-04	2.16E-03	3.54E-04	2.64E-04
4673	562726.2	4234994	2.72E-03	4.62E-04	2.20E-03	3.60E-04	2.69E-04
4674	562724.3	4234985	2.78E-03	4.71E-04	2.24E-03	3.67E-04	2.74E-04
4675	562722.3	4234976	2.84E-03	4.82E-04	2.30E-03	3.76E-04	2.81E-04

4676	562720.4	4234966	2.92E-03	4.96E-04	2.36E-03	3.86E-04	2.88E-04
4677	562718.5	4234957	3.01E-03	5.11E-04	2.43E-03	3.98E-04	2.97E-04
4678	562716.6	4234948	3.12E-03	5.29E-04	2.52E-03	4.12E-04	3.08E-04
4679	562714.6	4234939	3.24E-03	5.49E-04	2.61E-03	4.28E-04	3.20E-04
4680	562712.7	4234929	3.37E-03	5.72E-04	2.72E-03	4.46E-04	3.33E-04
4681	562710.8	4234920	3.53E-03	5.98E-04	2.85E-03	4.66E-04	3.48E-04
4682	562708.9	4234911	3.70E-03	6.27E-04	2.99E-03	4.89E-04	3.65E-04
4683	562706.9	4234901	3.89E-03	6.60E-04	3.14E-03	5.14E-04	3.84E-04
4684	562705	4234892	4.10E-03	6.96E-04	3.31E-03	5.43E-04	4.05E-04
4685	562703.1	4234883	4.34E-03	7.36E-04	3.50E-03	5.74E-04	4.28E-04
4686	562701.2	4234874	4.60E-03	7.80E-04	3.71E-03	6.08E-04	4.54E-04
4687	562699.2	4234864	4.88E-03	8.27E-04	3.94E-03	6.45E-04	4.82E-04
4688	562697.3	4234855	5.18E-03	8.79E-04	4.18E-03	6.85E-04	5.11E-04
4689	562695.4	4234846	5.50E-03	9.34E-04	4.44E-03	7.28E-04	5.43E-04
4690	562693.5	4234836	5.84E-03	9.91E-04	4.72E-03	7.73E-04	5.77E-04
4691	562890	4235195	4.59E-03	7.79E-04	3.71E-03	6.07E-04	4.54E-04
4692	562898.5	4235199	4.77E-03	8.09E-04	3.85E-03	6.31E-04	4.71E-04
4693	562906.9	4235204	4.95E-03	8.40E-04	4.00E-03	6.55E-04	4.89E-04
4694	562915.4	4235208	5.14E-03	8.72E-04	4.15E-03	6.79E-04	5.07E-04
4695	562923.8	4235213	5.33E-03	9.04E-04	4.30E-03	7.04E-04	5.26E-04
4696	562932.3	4235217	5.52E-03	9.37E-04	4.46E-03	7.30E-04	5.45E-04
4697	562940.7	4235222	5.72E-03	9.70E-04	4.62E-03	7.56E-04	5.65E-04
4698	562949.2	4235226	5.92E-03	1.00E-03	4.78E-03	7.83E-04	5.85E-04
4699	562957.6	4235231	6.13E-03	1.04E-03	4.95E-03	8.10E-04	6.05E-04
4700	562966.1	4235235	6.34E-03	1.08E-03	5.12E-03	8.38E-04	6.26E-04
4701	562974.5	4235240	6.55E-03	1.11E-03	5.29E-03	8.66E-04	6.47E-04
4702	562983	4235245	6.77E-03	1.15E-03	5.46E-03	8.95E-04	6.68E-04
4703	562991.4	4235249	6.98E-03	1.18E-03	5.64E-03	9.23E-04	6.89E-04
4704	562999.9	4235254	7.19E-03	1.22E-03	5.81E-03	9.51E-04	7.10E-04
4705	563008.3	4235258	7.40E-03	1.26E-03	5.98E-03	9.79E-04	7.31E-04
4706	563016.8	4235263	7.61E-03	1.29E-03	6.14E-03	1.01E-03	7.51E-04
4707	563025.2	4235267	7.80E-03	1.32E-03	6.30E-03	1.03E-03	7.70E-04
4708	563033.7	4235272	7.98E-03	1.35E-03	6.45E-03	1.06E-03	7.88E-04
4709	563042.1	4235276	8.15E-03	1.38E-03	6.58E-03	1.08E-03	8.05E-04
4710	563050.6	4235281	8.30E-03	1.41E-03	6.71E-03	1.10E-03	8.20E-04
4711	563059	4235286	8.44E-03	1.43E-03	6.81E-03	1.12E-03	8.33E-04
4712	563067.5	4235290	8.55E-03	1.45E-03	6.90E-03	1.13E-03	8.44E-04
4713	562864.5	4235223	3.98E-03	6.76E-04	3.22E-03	5.27E-04	3.93E-04
4714	562857.9	4235217	3.88E-03	6.59E-04	3.13E-03	5.13E-04	3.83E-04
4715	562851.4	4235210	3.77E-03	6.40E-04	3.05E-03	4.99E-04	3.73E-04
4716	562844.8	4235204	3.65E-03	6.20E-04	2.95E-03	4.83E-04	3.61E-04
4717	562838.3	4235197	3.55E-03	6.02E-04	2.87E-03	4.69E-04	3.50E-04
4718	562831.7	4235190	3.45E-03	5.86E-04	2.79E-03	4.57E-04	3.41E-04
4719	562825.2	4235184	3.37E-03	5.72E-04	2.72E-03	4.46E-04	3.33E-04
4720	562818.6	4235177	3.29E-03	5.58E-04	2.65E-03	4.35E-04	3.25E-04
4721	562812.1	4235171	3.18E-03	5.40E-04	2.57E-03	4.21E-04	3.15E-04
4722	562805.5	4235164	3.09E-03	5.24E-04	2.49E-03	4.08E-04	3.05E-04
4723	562798.9	4235158	2.99E-03	5.08E-04	2.42E-03	3.96E-04	2.96E-04
4724	562792.4	4235151	2.91E-03	4.93E-04	2.35E-03	3.84E-04	2.87E-04
4725	562785.8	4235145	2.84E-03	4.82E-04	2.29E-03	3.76E-04	2.81E-04
4726	562779.3	4235138	2.78E-03	4.72E-04	2.25E-03	3.68E-04	2.75E-04
4727	562772.7	4235132	2.72E-03	4.62E-04	2.20E-03	3.60E-04	2.69E-04

4728	562766.2	4235125	2.66E-03	4.51E-04	2.15E-03	3.52E-04	2.63E-04
4729	562759.6	4235118	2.60E-03	4.42E-04	2.10E-03	3.44E-04	2.57E-04
4730	562753.1	4235112	2.55E-03	4.33E-04	2.06E-03	3.38E-04	2.52E-04
4731	562746.5	4235105	2.50E-03	4.25E-04	2.02E-03	3.31E-04	2.47E-04
4732	562740	4235099	2.46E-03	4.17E-04	1.99E-03	3.25E-04	2.43E-04
4733	562733.4	4235092	2.42E-03	4.10E-04	1.95E-03	3.20E-04	2.39E-04
4734	562726.8	4235086	2.38E-03	4.04E-04	1.92E-03	3.15E-04	2.35E-04
4735	562720.3	4235079	2.34E-03	3.97E-04	1.89E-03	3.10E-04	2.31E-04
4736	562713.7	4235073	2.31E-03	3.91E-04	1.86E-03	3.05E-04	2.28E-04
4737	562707.2	4235066	2.27E-03	3.86E-04	1.84E-03	3.01E-04	2.25E-04
4738	562698.7	4235050	2.26E-03	3.83E-04	1.82E-03	2.99E-04	2.23E-04
4739	562696.9	4235041	2.27E-03	3.86E-04	1.84E-03	3.01E-04	2.25E-04
4740	562695	4235032	2.29E-03	3.89E-04	1.85E-03	3.03E-04	2.26E-04
4741	562693.1	4235023	2.32E-03	3.93E-04	1.87E-03	3.07E-04	2.29E-04
4742	562691.2	4235014	2.35E-03	3.98E-04	1.90E-03	3.11E-04	2.32E-04
4743	562689.3	4235005	2.39E-03	4.05E-04	1.93E-03	3.15E-04	2.36E-04
4744	562687.5	4234996	2.43E-03	4.12E-04	1.96E-03	3.21E-04	2.40E-04
4745	562685.6	4234987	2.48E-03	4.21E-04	2.00E-03	3.28E-04	2.45E-04
4746	562683.7	4234978	2.54E-03	4.32E-04	2.05E-03	3.36E-04	2.51E-04
4747	562681.8	4234969	2.61E-03	4.44E-04	2.11E-03	3.46E-04	2.58E-04
4748	562679.9	4234960	2.70E-03	4.57E-04	2.18E-03	3.56E-04	2.66E-04
4749	562678	4234951	2.79E-03	4.73E-04	2.25E-03	3.69E-04	2.75E-04
4750	562676.2	4234942	2.89E-03	4.91E-04	2.34E-03	3.83E-04	2.86E-04
4751	562674.3	4234933	3.01E-03	5.11E-04	2.43E-03	3.98E-04	2.97E-04
4752	562672.4	4234924	3.14E-03	5.33E-04	2.54E-03	4.15E-04	3.10E-04
4753	562670.5	4234914	3.29E-03	5.58E-04	2.65E-03	4.35E-04	3.25E-04
4754	562668.6	4234905	3.45E-03	5.85E-04	2.78E-03	4.56E-04	3.41E-04
4755	562666.7	4234896	3.63E-03	6.15E-04	2.93E-03	4.80E-04	3.58E-04
4756	562664.9	4234887	3.82E-03	6.48E-04	3.09E-03	5.05E-04	3.77E-04
4757	562663	4234878	4.03E-03	6.84E-04	3.26E-03	5.33E-04	3.98E-04
4758	562661.1	4234869	4.26E-03	7.23E-04	3.44E-03	5.64E-04	4.21E-04
4759	562659.2	4234860	4.51E-03	7.65E-04	3.64E-03	5.96E-04	4.45E-04
4760	562657.3	4234851	4.77E-03	8.10E-04	3.86E-03	6.31E-04	4.72E-04
4761	562655.5	4234842	5.05E-03	8.58E-04	4.08E-03	6.68E-04	4.99E-04
4762	562653.6	4234833	5.35E-03	9.07E-04	4.32E-03	7.07E-04	5.28E-04
4763	562871.1	4235230	4.08E-03	6.93E-04	3.30E-03	5.40E-04	4.03E-04
4764	562879.5	4235234	4.23E-03	7.17E-04	3.41E-03	5.59E-04	4.18E-04
4765	562888	4235239	4.38E-03	7.42E-04	3.53E-03	5.79E-04	4.32E-04
4766	562896.4	4235243	4.52E-03	7.68E-04	3.65E-03	5.98E-04	4.47E-04
4767	562904.9	4235248	4.68E-03	7.94E-04	3.78E-03	6.18E-04	4.62E-04
4768	562913.3	4235252	4.83E-03	8.20E-04	3.90E-03	6.39E-04	4.77E-04
4769	562921.8	4235257	4.99E-03	8.46E-04	4.03E-03	6.60E-04	4.93E-04
4770	562930.2	4235262	5.15E-03	8.73E-04	4.16E-03	6.81E-04	5.08E-04
4771	562938.7	4235266	5.31E-03	9.01E-04	4.29E-03	7.02E-04	5.24E-04
4772	562947.1	4235271	5.47E-03	9.29E-04	4.42E-03	7.24E-04	5.41E-04
4773	562955.6	4235275	5.64E-03	9.57E-04	4.56E-03	7.46E-04	5.57E-04
4774	562964	4235280	5.81E-03	9.86E-04	4.69E-03	7.69E-04	5.74E-04
4775	562972.5	4235284	5.98E-03	1.02E-03	4.83E-03	7.91E-04	5.91E-04
4776	562980.9	4235289	6.15E-03	1.04E-03	4.97E-03	8.14E-04	6.08E-04
4777	562989.4	4235293	6.32E-03	1.07E-03	5.11E-03	8.36E-04	6.25E-04
4778	562997.8	4235298	6.49E-03	1.10E-03	5.24E-03	8.58E-04	6.41E-04
4779	563006.3	4235303	6.65E-03	1.13E-03	5.37E-03	8.80E-04	6.57E-04

4780	563014.7	4235307	6.81E-03	1.16E-03	5.50E-03	9.01E-04	6.73E-04
4781	563023.2	4235312	6.96E-03	1.18E-03	5.62E-03	9.21E-04	6.87E-04
4782	563031.6	4235316	7.10E-03	1.20E-03	5.73E-03	9.39E-04	7.01E-04
4783	563040.1	4235321	7.22E-03	1.23E-03	5.83E-03	9.55E-04	7.14E-04
4784	563048.5	4235325	7.34E-03	1.24E-03	5.92E-03	9.70E-04	7.24E-04
4785	562845.4	4235258	3.51E-03	5.95E-04	2.83E-03	4.64E-04	3.46E-04
4786	562838.8	4235252	3.42E-03	5.81E-04	2.77E-03	4.53E-04	3.38E-04
4787	562832.1	4235245	3.34E-03	5.66E-04	2.69E-03	4.41E-04	3.29E-04
4788	562825.4	4235238	3.24E-03	5.50E-04	2.62E-03	4.28E-04	3.20E-04
4789	562818.8	4235232	3.15E-03	5.35E-04	2.55E-03	4.17E-04	3.11E-04
4790	562812.1	4235225	3.07E-03	5.21E-04	2.48E-03	4.06E-04	3.03E-04
4791	562805.4	4235218	2.99E-03	5.08E-04	2.42E-03	3.96E-04	2.95E-04
4792	562798.8	4235212	2.92E-03	4.95E-04	2.35E-03	3.86E-04	2.88E-04
4793	562792.1	4235205	2.84E-03	4.82E-04	2.29E-03	3.76E-04	2.81E-04
4794	562785.4	4235198	2.77E-03	4.70E-04	2.24E-03	3.66E-04	2.74E-04
4795	562778.8	4235192	2.70E-03	4.59E-04	2.18E-03	3.57E-04	2.67E-04
4796	562772.1	4235185	2.64E-03	4.48E-04	2.13E-03	3.49E-04	2.61E-04
4797	562765.4	4235178	2.58E-03	4.38E-04	2.08E-03	3.41E-04	2.55E-04
4798	562758.8	4235172	2.52E-03	4.28E-04	2.04E-03	3.33E-04	2.49E-04
4799	562752.1	4235165	2.47E-03	4.19E-04	1.99E-03	3.26E-04	2.44E-04
4800	562745.4	4235158	2.42E-03	4.10E-04	1.95E-03	3.20E-04	2.39E-04
4801	562738.8	4235152	2.37E-03	4.02E-04	1.91E-03	3.13E-04	2.34E-04
4802	562732.1	4235145	2.32E-03	3.94E-04	1.88E-03	3.07E-04	2.30E-04
4803	562725.4	4235138	2.28E-03	3.87E-04	1.84E-03	3.02E-04	2.25E-04
4804	562718.8	4235132	2.24E-03	3.80E-04	1.81E-03	2.96E-04	2.21E-04
4805	562712.1	4235125	2.20E-03	3.74E-04	1.78E-03	2.91E-04	2.18E-04
4806	562705.4	4235119	2.17E-03	3.68E-04	1.75E-03	2.87E-04	2.14E-04
4807	562698.8	4235112	2.13E-03	3.62E-04	1.72E-03	2.82E-04	2.11E-04
4808	562692.1	4235105	2.10E-03	3.56E-04	1.70E-03	2.78E-04	2.07E-04
4809	562685.4	4235099	2.07E-03	3.51E-04	1.67E-03	2.74E-04	2.04E-04
4810	562678.8	4235092	2.04E-03	3.46E-04	1.65E-03	2.70E-04	2.01E-04
4811	562672.1	4235085	2.01E-03	3.41E-04	1.62E-03	2.66E-04	1.99E-04
4812	562663.5	4235069	1.99E-03	3.38E-04	1.61E-03	2.64E-04	1.97E-04
4813	562661.6	4235060	2.01E-03	3.40E-04	1.62E-03	2.65E-04	1.98E-04
4814	562659.7	4235051	2.02E-03	3.43E-04	1.63E-03	2.67E-04	1.99E-04
4815	562657.8	4235042	2.04E-03	3.46E-04	1.64E-03	2.69E-04	2.01E-04
4816	562655.9	4235032	2.06E-03	3.49E-04	1.66E-03	2.72E-04	2.03E-04
4817	562653.9	4235023	2.09E-03	3.54E-04	1.68E-03	2.76E-04	2.06E-04
4818	562652	4235014	2.12E-03	3.59E-04	1.71E-03	2.80E-04	2.09E-04
4819	562650.1	4235005	2.16E-03	3.66E-04	1.74E-03	2.85E-04	2.13E-04
4820	562648.2	4234996	2.20E-03	3.74E-04	1.78E-03	2.91E-04	2.18E-04
4821	562646.3	4234986	2.26E-03	3.83E-04	1.82E-03	2.99E-04	2.23E-04
4822	562644.4	4234977	2.32E-03	3.94E-04	1.87E-03	3.07E-04	2.29E-04
4823	562642.5	4234968	2.39E-03	4.06E-04	1.93E-03	3.16E-04	2.36E-04
4824	562640.6	4234959	2.47E-03	4.19E-04	1.99E-03	3.27E-04	2.44E-04
4825	562638.6	4234949	2.56E-03	4.35E-04	2.07E-03	3.39E-04	2.53E-04
4826	562636.7	4234940	2.66E-03	4.52E-04	2.15E-03	3.52E-04	2.63E-04
4827	562634.8	4234931	2.77E-03	4.71E-04	2.24E-03	3.67E-04	2.74E-04
4828	562632.9	4234922	2.90E-03	4.92E-04	2.34E-03	3.83E-04	2.86E-04
4829	562631	4234913	3.04E-03	5.15E-04	2.45E-03	4.02E-04	3.00E-04
4830	562629.1	4234903	3.19E-03	5.41E-04	2.57E-03	4.22E-04	3.15E-04
4831	562627.2	4234894	3.35E-03	5.69E-04	2.71E-03	4.43E-04	3.31E-04

4832	562625.2	4234885	3.53E-03	5.99E-04	2.85E-03	4.67E-04	3.49E-04
4833	562623.3	4234876	3.73E-03	6.33E-04	3.01E-03	4.93E-04	3.68E-04
4834	562621.4	4234866	3.94E-03	6.68E-04	3.18E-03	5.21E-04	3.89E-04
4835	562619.5	4234857	4.16E-03	7.06E-04	3.36E-03	5.51E-04	4.11E-04
4836	562617.6	4234848	4.40E-03	7.47E-04	3.55E-03	5.82E-04	4.35E-04
4837	562615.7	4234839	4.65E-03	7.90E-04	3.76E-03	6.16E-04	4.60E-04
4838	562613.8	4234830	4.92E-03	8.35E-04	3.97E-03	6.50E-04	4.86E-04
4839	562852.1	4235265	3.58E-03	6.07E-04	2.89E-03	4.73E-04	3.53E-04
4840	562860.5	4235270	3.71E-03	6.30E-04	3.00E-03	4.91E-04	3.66E-04
4841	562869	4235274	3.86E-03	6.54E-04	3.11E-03	5.10E-04	3.81E-04
4842	562877.4	4235279	4.00E-03	6.80E-04	3.23E-03	5.30E-04	3.96E-04
4843	562885.9	4235283	4.15E-03	7.04E-04	3.35E-03	5.49E-04	4.10E-04
4844	562894.4	4235288	4.27E-03	7.25E-04	3.45E-03	5.65E-04	4.22E-04
4845	562902.8	4235292	4.40E-03	7.47E-04	3.55E-03	5.82E-04	4.35E-04
4846	562911.3	4235297	4.53E-03	7.68E-04	3.66E-03	5.99E-04	4.47E-04
4847	562919.7	4235301	4.66E-03	7.90E-04	3.76E-03	6.16E-04	4.60E-04
4848	562928.2	4235306	4.79E-03	8.13E-04	3.87E-03	6.33E-04	4.73E-04
4849	562936.6	4235310	4.92E-03	8.35E-04	3.97E-03	6.51E-04	4.86E-04
4850	562945.1	4235315	5.06E-03	8.58E-04	4.08E-03	6.69E-04	5.00E-04
4851	562953.5	4235320	5.20E-03	8.82E-04	4.20E-03	6.87E-04	5.13E-04
4852	562962	4235324	5.33E-03	9.05E-04	4.31E-03	7.06E-04	5.27E-04
4853	562970.4	4235329	5.47E-03	9.29E-04	4.42E-03	7.24E-04	5.41E-04
4854	562978.9	4235333	5.61E-03	9.52E-04	4.53E-03	7.42E-04	5.54E-04
4855	562987.3	4235338	5.75E-03	9.76E-04	4.64E-03	7.60E-04	5.68E-04
4856	562995.8	4235342	5.88E-03	9.98E-04	4.75E-03	7.78E-04	5.81E-04
4857	563004.2	4235347	6.01E-03	1.02E-03	4.85E-03	7.95E-04	5.94E-04
4858	563012.7	4235351	6.13E-03	1.04E-03	4.95E-03	8.11E-04	6.06E-04
4859	563021.1	4235356	6.25E-03	1.06E-03	5.05E-03	8.27E-04	6.17E-04
4860	563029.6	4235360	6.36E-03	1.08E-03	5.13E-03	8.40E-04	6.28E-04
4861	562826.4	4235293	3.16E-03	5.36E-04	2.55E-03	4.18E-04	3.12E-04
4862	562819.6	4235287	3.09E-03	5.24E-04	2.49E-03	4.08E-04	3.05E-04
4863	562812.8	4235280	3.01E-03	5.11E-04	2.43E-03	3.99E-04	2.98E-04
4864	562806.1	4235273	2.94E-03	4.99E-04	2.37E-03	3.89E-04	2.90E-04
4865	562799.3	4235266	2.87E-03	4.87E-04	2.32E-03	3.79E-04	2.83E-04
4866	562792.6	4235260	2.80E-03	4.74E-04	2.26E-03	3.70E-04	2.76E-04
4867	562785.8	4235253	2.73E-03	4.63E-04	2.20E-03	3.61E-04	2.69E-04
4868	562779	4235246	2.66E-03	4.51E-04	2.15E-03	3.52E-04	2.63E-04
4869	562772.3	4235239	2.59E-03	4.40E-04	2.09E-03	3.43E-04	2.56E-04
4870	562765.5	4235233	2.53E-03	4.29E-04	2.04E-03	3.34E-04	2.50E-04
4871	562758.7	4235226	2.47E-03	4.19E-04	1.99E-03	3.27E-04	2.44E-04
4872	562752	4235219	2.41E-03	4.09E-04	1.95E-03	3.19E-04	2.38E-04
4873	562745.2	4235212	2.36E-03	4.00E-04	1.90E-03	3.12E-04	2.33E-04
4874	562738.5	4235206	2.31E-03	3.91E-04	1.86E-03	3.05E-04	2.28E-04
4875	562731.7	4235199	2.26E-03	3.83E-04	1.82E-03	2.99E-04	2.23E-04
4876	562724.9	4235192	2.21E-03	3.75E-04	1.79E-03	2.93E-04	2.19E-04
4877	562718.2	4235185	2.17E-03	3.68E-04	1.75E-03	2.87E-04	2.14E-04
4878	562711.4	4235179	2.13E-03	3.61E-04	1.72E-03	2.82E-04	2.10E-04
4879	562704.6	4235172	2.09E-03	3.55E-04	1.69E-03	2.77E-04	2.07E-04
4880	562697.9	4235165	2.06E-03	3.49E-04	1.66E-03	2.72E-04	2.03E-04
4881	562691.1	4235158	2.02E-03	3.43E-04	1.63E-03	2.67E-04	2.00E-04
4882	562684.3	4235152	1.99E-03	3.38E-04	1.61E-03	2.63E-04	1.97E-04
4883	562677.6	4235145	1.96E-03	3.32E-04	1.58E-03	2.59E-04	1.93E-04

4884	562670.8	4235138	1.93E-03	3.27E-04	1.56E-03	2.55E-04	1.90E-04
4885	562664.1	4235131	1.90E-03	3.22E-04	1.53E-03	2.51E-04	1.88E-04
4886	562657.3	4235125	1.87E-03	3.18E-04	1.51E-03	2.48E-04	1.85E-04
4887	562650.5	4235118	1.85E-03	3.13E-04	1.49E-03	2.44E-04	1.82E-04
4888	562643.8	4235111	1.82E-03	3.09E-04	1.47E-03	2.41E-04	1.80E-04
4889	562637	4235104	1.80E-03	3.05E-04	1.45E-03	2.38E-04	1.77E-04
4890	562628.3	4235088	1.78E-03	3.02E-04	1.44E-03	2.35E-04	1.76E-04
4891	562626.4	4235079	1.79E-03	3.03E-04	1.44E-03	2.36E-04	1.76E-04
4892	562624.4	4235070	1.80E-03	3.05E-04	1.45E-03	2.38E-04	1.77E-04
4893	562622.5	4235060	1.81E-03	3.07E-04	1.46E-03	2.39E-04	1.79E-04
4894	562620.5	4235051	1.82E-03	3.10E-04	1.47E-03	2.41E-04	1.80E-04
4895	562618.6	4235041	1.84E-03	3.13E-04	1.49E-03	2.44E-04	1.82E-04
4896	562616.6	4235032	1.87E-03	3.17E-04	1.51E-03	2.47E-04	1.85E-04
4897	562614.7	4235023	1.90E-03	3.22E-04	1.53E-03	2.51E-04	1.87E-04
4898	562612.8	4235013	1.93E-03	3.28E-04	1.56E-03	2.56E-04	1.91E-04
4899	562610.8	4235004	1.97E-03	3.35E-04	1.59E-03	2.61E-04	1.95E-04
4900	562608.9	4234995	2.02E-03	3.43E-04	1.63E-03	2.67E-04	2.00E-04
4901	562606.9	4234985	2.08E-03	3.52E-04	1.68E-03	2.74E-04	2.05E-04
4902	562605	4234976	2.14E-03	3.63E-04	1.73E-03	2.83E-04	2.11E-04
4903	562603.1	4234967	2.21E-03	3.75E-04	1.78E-03	2.92E-04	2.18E-04
4904	562601.1	4234957	2.29E-03	3.88E-04	1.85E-03	3.02E-04	2.26E-04
4905	562599.2	4234948	2.37E-03	4.03E-04	1.92E-03	3.14E-04	2.35E-04
4906	562597.2	4234939	2.47E-03	4.20E-04	2.00E-03	3.27E-04	2.44E-04
4907	562595.3	4234929	2.58E-03	4.38E-04	2.08E-03	3.41E-04	2.55E-04
4908	562593.3	4234920	2.70E-03	4.58E-04	2.18E-03	3.57E-04	2.66E-04
4909	562591.4	4234910	2.83E-03	4.80E-04	2.28E-03	3.74E-04	2.79E-04
4910	562589.5	4234901	2.97E-03	5.04E-04	2.40E-03	3.93E-04	2.93E-04
4911	562587.5	4234892	3.12E-03	5.30E-04	2.52E-03	4.13E-04	3.08E-04
4912	562585.6	4234882	3.29E-03	5.58E-04	2.66E-03	4.35E-04	3.25E-04
4913	562583.6	4234873	3.47E-03	5.89E-04	2.80E-03	4.59E-04	3.43E-04
4914	562581.7	4234864	3.66E-03	6.21E-04	2.96E-03	4.84E-04	3.62E-04
4915	562579.8	4234854	3.87E-03	6.56E-04	3.12E-03	5.11E-04	3.82E-04
4916	562577.8	4234845	4.08E-03	6.92E-04	3.29E-03	5.39E-04	4.03E-04
4917	562575.9	4234836	4.25E-03	7.21E-04	3.43E-03	5.62E-04	4.20E-04
4918	562573.9	4234826	4.43E-03	7.52E-04	3.58E-03	5.86E-04	4.37E-04
4919	562833.1	4235300	3.23E-03	5.48E-04	2.61E-03	4.27E-04	3.19E-04
4920	562841.6	4235305	3.33E-03	5.65E-04	2.69E-03	4.40E-04	3.29E-04
4921	562850	4235309	3.43E-03	5.82E-04	2.77E-03	4.53E-04	3.39E-04
4922	562858.5	4235314	3.54E-03	6.01E-04	2.86E-03	4.68E-04	3.50E-04
4923	562866.9	4235318	3.67E-03	6.22E-04	2.96E-03	4.85E-04	3.62E-04
4924	562875.4	4235323	3.79E-03	6.43E-04	3.06E-03	5.01E-04	3.74E-04
4925	562883.8	4235327	3.92E-03	6.65E-04	3.16E-03	5.18E-04	3.87E-04
4926	562892.3	4235332	4.02E-03	6.83E-04	3.25E-03	5.32E-04	3.97E-04
4927	562900.7	4235337	4.13E-03	7.00E-04	3.33E-03	5.46E-04	4.08E-04
4928	562909.2	4235341	4.23E-03	7.19E-04	3.42E-03	5.60E-04	4.18E-04
4929	562917.6	4235346	4.34E-03	7.37E-04	3.51E-03	5.74E-04	4.29E-04
4930	562926.1	4235350	4.45E-03	7.56E-04	3.60E-03	5.89E-04	4.40E-04
4931	562934.6	4235355	4.56E-03	7.75E-04	3.69E-03	6.04E-04	4.51E-04
4932	562943	4235359	4.68E-03	7.94E-04	3.78E-03	6.19E-04	4.62E-04
4933	562951.5	4235364	4.79E-03	8.13E-04	3.87E-03	6.34E-04	4.73E-04
4934	562959.9	4235368	4.91E-03	8.33E-04	3.96E-03	6.49E-04	4.85E-04
4935	562968.4	4235373	5.02E-03	8.52E-04	4.05E-03	6.64E-04	4.96E-04

4936	562976.8	4235378	5.13E-03	8.71E-04	4.15E-03	6.79E-04	5.07E-04
4937	562985.3	4235382	5.25E-03	8.90E-04	4.24E-03	6.94E-04	5.18E-04
4938	562993.7	4235387	5.35E-03	9.08E-04	4.32E-03	7.08E-04	5.29E-04
4939	563002.2	4235391	5.46E-03	9.26E-04	4.41E-03	7.22E-04	5.39E-04
4940	563010.6	4235396	5.55E-03	9.42E-04	4.48E-03	7.34E-04	5.49E-04
4941	562807.5	4235329	2.88E-03	4.89E-04	2.33E-03	3.81E-04	2.85E-04
4942	562800.9	4235322	2.82E-03	4.79E-04	2.28E-03	3.73E-04	2.79E-04
4943	562794.3	4235316	2.76E-03	4.68E-04	2.23E-03	3.65E-04	2.72E-04
4944	562787.6	4235309	2.70E-03	4.58E-04	2.18E-03	3.57E-04	2.66E-04
4945	562781	4235302	2.63E-03	4.47E-04	2.13E-03	3.48E-04	2.60E-04
4946	562774.3	4235296	2.57E-03	4.37E-04	2.08E-03	3.40E-04	2.54E-04
4947	562767.7	4235289	2.51E-03	4.26E-04	2.03E-03	3.32E-04	2.48E-04
4948	562761.1	4235282	2.45E-03	4.16E-04	1.98E-03	3.24E-04	2.42E-04
4949	562754.4	4235276	2.39E-03	4.06E-04	1.93E-03	3.17E-04	2.37E-04
4950	562747.8	4235269	2.34E-03	3.97E-04	1.89E-03	3.09E-04	2.31E-04
4951	562741.1	4235262	2.29E-03	3.88E-04	1.85E-03	3.02E-04	2.26E-04
4952	562734.5	4235256	2.23E-03	3.79E-04	1.80E-03	2.95E-04	2.21E-04
4953	562727.9	4235249	2.19E-03	3.71E-04	1.77E-03	2.89E-04	2.16E-04
4954	562721.2	4235243	2.14E-03	3.63E-04	1.73E-03	2.83E-04	2.11E-04
4955	562714.6	4235236	2.10E-03	3.56E-04	1.69E-03	2.77E-04	2.07E-04
4956	562707.9	4235229	2.06E-03	3.49E-04	1.66E-03	2.72E-04	2.03E-04
4957	562701.3	4235223	2.02E-03	3.42E-04	1.63E-03	2.67E-04	1.99E-04
4958	562694.7	4235216	1.98E-03	3.36E-04	1.60E-03	2.62E-04	1.96E-04
4959	562688	4235209	1.95E-03	3.30E-04	1.57E-03	2.58E-04	1.92E-04
4960	562681.4	4235203	1.92E-03	3.25E-04	1.55E-03	2.53E-04	1.89E-04
4961	562674.7	4235196	1.89E-03	3.20E-04	1.52E-03	2.49E-04	1.86E-04
4962	562668.1	4235190	1.86E-03	3.15E-04	1.50E-03	2.45E-04	1.83E-04
4963	562661.5	4235183	1.83E-03	3.10E-04	1.48E-03	2.42E-04	1.81E-04
4964	562654.8	4235176	1.80E-03	3.06E-04	1.45E-03	2.38E-04	1.78E-04
4965	562648.2	4235170	1.78E-03	3.01E-04	1.43E-03	2.35E-04	1.75E-04
4966	562641.5	4235163	1.75E-03	2.97E-04	1.41E-03	2.32E-04	1.73E-04
4967	562634.9	4235156	1.73E-03	2.93E-04	1.39E-03	2.28E-04	1.71E-04
4968	562628.3	4235150	1.70E-03	2.89E-04	1.38E-03	2.25E-04	1.68E-04
4969	562621.6	4235143	1.68E-03	2.85E-04	1.36E-03	2.22E-04	1.66E-04
4970	562615	4235137	1.66E-03	2.81E-04	1.34E-03	2.19E-04	1.64E-04
4971	562608.3	4235130	1.64E-03	2.78E-04	1.32E-03	2.16E-04	1.62E-04
4972	562601.7	4235123	1.62E-03	2.74E-04	1.30E-03	2.14E-04	1.60E-04
4973	562593.1	4235107	1.60E-03	2.71E-04	1.29E-03	2.12E-04	1.58E-04
4974	562591.2	4235098	1.60E-03	2.72E-04	1.30E-03	2.12E-04	1.58E-04
4975	562589.3	4235089	1.61E-03	2.73E-04	1.30E-03	2.13E-04	1.59E-04
4976	562587.4	4235080	1.62E-03	2.75E-04	1.31E-03	2.14E-04	1.60E-04
4977	562585.5	4235071	1.63E-03	2.76E-04	1.32E-03	2.15E-04	1.61E-04
4978	562583.6	4235061	1.64E-03	2.79E-04	1.33E-03	2.17E-04	1.62E-04
4979	562581.7	4235052	1.66E-03	2.82E-04	1.34E-03	2.19E-04	1.64E-04
4980	562579.8	4235043	1.68E-03	2.85E-04	1.36E-03	2.22E-04	1.66E-04
4981	562577.9	4235034	1.70E-03	2.89E-04	1.38E-03	2.25E-04	1.68E-04
4982	562576	4235025	1.73E-03	2.94E-04	1.40E-03	2.29E-04	1.71E-04
4983	562574.1	4235016	1.77E-03	3.00E-04	1.43E-03	2.34E-04	1.74E-04
4984	562572.2	4235006	1.81E-03	3.06E-04	1.46E-03	2.39E-04	1.78E-04
4985	562570.3	4234997	1.85E-03	3.14E-04	1.49E-03	2.45E-04	1.83E-04
4986	562568.4	4234988	1.90E-03	3.23E-04	1.54E-03	2.51E-04	1.88E-04
4987	562566.5	4234979	1.96E-03	3.32E-04	1.58E-03	2.59E-04	1.93E-04

4988	562564.5	4234970	2.02E-03	3.43E-04	1.63E-03	2.68E-04	2.00E-04
4989	562562.6	4234960	2.09E-03	3.55E-04	1.69E-03	2.77E-04	2.07E-04
4990	562560.7	4234951	2.17E-03	3.69E-04	1.75E-03	2.87E-04	2.15E-04
4991	562558.8	4234942	2.26E-03	3.83E-04	1.82E-03	2.99E-04	2.23E-04
4992	562556.9	4234933	2.35E-03	3.99E-04	1.90E-03	3.11E-04	2.32E-04
4993	562555	4234924	2.46E-03	4.17E-04	1.98E-03	3.25E-04	2.43E-04
4994	562553.1	4234914	2.57E-03	4.36E-04	2.07E-03	3.40E-04	2.54E-04
4995	562551.2	4234905	2.69E-03	4.57E-04	2.17E-03	3.56E-04	2.66E-04
4996	562549.3	4234896	2.82E-03	4.79E-04	2.28E-03	3.73E-04	2.79E-04
4997	562547.4	4234887	2.96E-03	5.03E-04	2.39E-03	3.92E-04	2.93E-04
4998	562545.5	4234878	3.12E-03	5.29E-04	2.52E-03	4.12E-04	3.08E-04
4999	562543.6	4234869	3.27E-03	5.54E-04	2.64E-03	4.32E-04	3.23E-04
5000	562541.7	4234859	3.42E-03	5.81E-04	2.76E-03	4.52E-04	3.38E-04
5001	562539.8	4234850	3.58E-03	6.07E-04	2.89E-03	4.73E-04	3.53E-04
5002	562537.9	4234841	3.74E-03	6.34E-04	3.02E-03	4.94E-04	3.69E-04
5003	562536	4234832	3.91E-03	6.63E-04	3.15E-03	5.17E-04	3.86E-04
5004	562534	4234823	4.09E-03	6.94E-04	3.30E-03	5.41E-04	4.04E-04
5005	562814.2	4235335	2.94E-03	4.99E-04	2.38E-03	3.89E-04	2.91E-04
5006	562822.6	4235340	3.03E-03	5.13E-04	2.44E-03	4.00E-04	2.99E-04
5007	562831.1	4235344	3.11E-03	5.28E-04	2.51E-03	4.11E-04	3.07E-04
5008	562839.5	4235349	3.19E-03	5.42E-04	2.58E-03	4.22E-04	3.15E-04
5009	562848	4235354	3.28E-03	5.56E-04	2.64E-03	4.33E-04	3.24E-04
5010	562856.4	4235358	3.37E-03	5.71E-04	2.72E-03	4.45E-04	3.32E-04
5011	562864.9	4235363	3.47E-03	5.89E-04	2.80E-03	4.59E-04	3.43E-04
5012	562873.3	4235367	3.58E-03	6.07E-04	2.89E-03	4.73E-04	3.54E-04
5013	562881.8	4235372	3.69E-03	6.26E-04	2.98E-03	4.88E-04	3.64E-04
5014	562890.2	4235376	3.78E-03	6.41E-04	3.05E-03	5.00E-04	3.73E-04
5015	562898.7	4235381	3.87E-03	6.56E-04	3.12E-03	5.11E-04	3.82E-04
5016	562907.1	4235385	3.96E-03	6.72E-04	3.20E-03	5.23E-04	3.91E-04
5017	562915.6	4235390	4.05E-03	6.87E-04	3.27E-03	5.35E-04	4.00E-04
5018	562924	4235395	4.14E-03	7.03E-04	3.34E-03	5.48E-04	4.09E-04
5019	562932.5	4235399	4.24E-03	7.19E-04	3.42E-03	5.60E-04	4.18E-04
5020	562940.9	4235404	4.33E-03	7.35E-04	3.50E-03	5.73E-04	4.28E-04
5021	562949.4	4235408	4.43E-03	7.51E-04	3.58E-03	5.86E-04	4.37E-04
5022	562957.8	4235413	4.52E-03	7.68E-04	3.65E-03	5.98E-04	4.47E-04
5023	562966.3	4235417	4.62E-03	7.84E-04	3.73E-03	6.11E-04	4.56E-04
5024	562974.8	4235422	4.71E-03	8.00E-04	3.81E-03	6.23E-04	4.66E-04
5025	562983.2	4235426	4.81E-03	8.15E-04	3.88E-03	6.35E-04	4.75E-04
5026	562991.7	4235431	4.89E-03	8.30E-04	3.95E-03	6.47E-04	4.83E-04
5027	562788.5	4235364	2.64E-03	4.48E-04	2.13E-03	3.49E-04	2.61E-04
5028	562781.8	4235357	2.59E-03	4.39E-04	2.09E-03	3.42E-04	2.56E-04
5029	562775	4235350	2.53E-03	4.30E-04	2.05E-03	3.35E-04	2.50E-04
5030	562768.3	4235344	2.48E-03	4.20E-04	2.00E-03	3.28E-04	2.45E-04
5031	562761.6	4235337	2.42E-03	4.11E-04	1.96E-03	3.20E-04	2.39E-04
5032	562754.9	4235330	2.37E-03	4.02E-04	1.91E-03	3.13E-04	2.34E-04
5033	562748.1	4235324	2.31E-03	3.93E-04	1.87E-03	3.06E-04	2.28E-04
5034	562741.4	4235317	2.26E-03	3.83E-04	1.82E-03	2.99E-04	2.23E-04
5035	562734.7	4235310	2.21E-03	3.75E-04	1.78E-03	2.92E-04	2.18E-04
5036	562728	4235303	2.16E-03	3.66E-04	1.74E-03	2.85E-04	2.13E-04
5037	562721.2	4235297	2.11E-03	3.58E-04	1.70E-03	2.79E-04	2.08E-04
5038	562714.5	4235290	2.06E-03	3.50E-04	1.67E-03	2.73E-04	2.04E-04
5039	562707.8	4235283	2.02E-03	3.42E-04	1.63E-03	2.67E-04	1.99E-04

5040	562701.1	4235277	1.98E-03	3.35E-04	1.60E-03	2.61E-04	1.95E-04
5041	562694.3	4235270	1.94E-03	3.29E-04	1.56E-03	2.56E-04	1.91E-04
5042	562687.6	4235263	1.90E-03	3.22E-04	1.53E-03	2.51E-04	1.88E-04
5043	562680.9	4235256	1.86E-03	3.16E-04	1.51E-03	2.47E-04	1.84E-04
5044	562674.2	4235250	1.83E-03	3.11E-04	1.48E-03	2.42E-04	1.81E-04
5045	562667.5	4235243	1.80E-03	3.06E-04	1.45E-03	2.38E-04	1.78E-04
5046	562660.7	4235236	1.77E-03	3.01E-04	1.43E-03	2.34E-04	1.75E-04
5047	562654	4235230	1.75E-03	2.96E-04	1.41E-03	2.31E-04	1.72E-04
5048	562647.3	4235223	1.72E-03	2.92E-04	1.39E-03	2.27E-04	1.70E-04
5049	562640.6	4235216	1.69E-03	2.88E-04	1.37E-03	2.24E-04	1.67E-04
5050	562633.8	4235209	1.67E-03	2.83E-04	1.35E-03	2.21E-04	1.65E-04
5051	562627.1	4235203	1.65E-03	2.80E-04	1.33E-03	2.18E-04	1.63E-04
5052	562620.4	4235196	1.63E-03	2.76E-04	1.31E-03	2.15E-04	1.61E-04
5053	562613.7	4235189	1.60E-03	2.72E-04	1.30E-03	2.12E-04	1.58E-04
5054	562606.9	4235183	1.58E-03	2.69E-04	1.28E-03	2.09E-04	1.56E-04
5055	562600.2	4235176	1.56E-03	2.65E-04	1.26E-03	2.07E-04	1.54E-04
5056	562593.5	4235169	1.54E-03	2.62E-04	1.24E-03	2.04E-04	1.52E-04
5057	562586.8	4235162	1.52E-03	2.58E-04	1.23E-03	2.01E-04	1.50E-04
5058	562580	4235156	1.50E-03	2.55E-04	1.21E-03	1.99E-04	1.48E-04
5059	562573.3	4235149	1.48E-03	2.52E-04	1.20E-03	1.96E-04	1.46E-04
5060	562566.6	4235142	1.46E-03	2.48E-04	1.18E-03	1.94E-04	1.45E-04
5061	562557.9	4235126	1.45E-03	2.46E-04	1.17E-03	1.92E-04	1.43E-04
5062	562556	4235117	1.45E-03	2.46E-04	1.17E-03	1.92E-04	1.43E-04
5063	562554.1	4235108	1.46E-03	2.47E-04	1.18E-03	1.92E-04	1.44E-04
5064	562552.1	4235098	1.46E-03	2.48E-04	1.18E-03	1.93E-04	1.44E-04
5065	562550.2	4235089	1.47E-03	2.49E-04	1.19E-03	1.94E-04	1.45E-04
5066	562548.3	4235080	1.48E-03	2.51E-04	1.19E-03	1.95E-04	1.46E-04
5067	562546.3	4235070	1.49E-03	2.53E-04	1.20E-03	1.97E-04	1.47E-04
5068	562544.4	4235061	1.51E-03	2.55E-04	1.22E-03	1.99E-04	1.49E-04
5069	562542.5	4235052	1.52E-03	2.59E-04	1.23E-03	2.02E-04	1.51E-04
5070	562540.6	4235043	1.55E-03	2.62E-04	1.25E-03	2.04E-04	1.53E-04
5071	562538.6	4235033	1.57E-03	2.67E-04	1.27E-03	2.08E-04	1.55E-04
5072	562536.7	4235024	1.60E-03	2.72E-04	1.29E-03	2.12E-04	1.58E-04
5073	562534.8	4235015	1.64E-03	2.78E-04	1.32E-03	2.17E-04	1.62E-04
5074	562532.8	4235005	1.68E-03	2.85E-04	1.36E-03	2.22E-04	1.66E-04
5075	562530.9	4234996	1.72E-03	2.93E-04	1.39E-03	2.28E-04	1.70E-04
5076	562529	4234987	1.78E-03	3.01E-04	1.43E-03	2.35E-04	1.75E-04
5077	562527	4234977	1.83E-03	3.11E-04	1.48E-03	2.42E-04	1.81E-04
5078	562525.1	4234968	1.90E-03	3.22E-04	1.53E-03	2.51E-04	1.87E-04
5079	562523.2	4234959	1.97E-03	3.34E-04	1.59E-03	2.60E-04	1.94E-04
5080	562521.2	4234950	2.04E-03	3.47E-04	1.65E-03	2.70E-04	2.02E-04
5081	562519.3	4234940	2.13E-03	3.61E-04	1.72E-03	2.81E-04	2.10E-04
5082	562517.4	4234931	2.22E-03	3.76E-04	1.79E-03	2.93E-04	2.19E-04
5083	562515.5	4234922	2.31E-03	3.93E-04	1.87E-03	3.06E-04	2.29E-04
5084	562513.5	4234912	2.42E-03	4.11E-04	1.95E-03	3.20E-04	2.39E-04
5085	562511.6	4234903	2.53E-03	4.29E-04	2.04E-03	3.35E-04	2.50E-04
5086	562509.7	4234894	2.64E-03	4.48E-04	2.13E-03	3.49E-04	2.61E-04
5087	562507.7	4234884	2.75E-03	4.67E-04	2.22E-03	3.64E-04	2.72E-04
5088	562505.8	4234875	2.86E-03	4.86E-04	2.31E-03	3.79E-04	2.83E-04
5089	562503.9	4234866	2.99E-03	5.08E-04	2.42E-03	3.96E-04	2.95E-04
5090	562501.9	4234856	3.13E-03	5.31E-04	2.53E-03	4.14E-04	3.09E-04
5091	562500	4234847	3.28E-03	5.57E-04	2.65E-03	4.34E-04	3.24E-04

5092	562498.1	4234838	3.48E-03	5.91E-04	2.81E-03	4.61E-04	3.44E-04
5093	562496.1	4234829	3.70E-03	6.28E-04	2.99E-03	4.89E-04	3.66E-04
5094	562494.2	4234819	3.94E-03	6.68E-04	3.18E-03	5.21E-04	3.89E-04
5095	562795.2	4235371	2.69E-03	4.57E-04	2.18E-03	3.56E-04	2.66E-04
5096	562803.7	4235375	2.77E-03	4.69E-04	2.23E-03	3.66E-04	2.73E-04
5097	562812.1	4235380	2.84E-03	4.81E-04	2.29E-03	3.75E-04	2.80E-04
5098	562820.6	4235384	2.91E-03	4.93E-04	2.35E-03	3.84E-04	2.87E-04
5099	562829	4235389	2.98E-03	5.05E-04	2.40E-03	3.94E-04	2.94E-04
5100	562837.5	4235393	3.05E-03	5.17E-04	2.46E-03	4.03E-04	3.01E-04
5101	562845.9	4235398	3.12E-03	5.29E-04	2.52E-03	4.12E-04	3.08E-04
5102	562854.4	4235402	3.19E-03	5.41E-04	2.58E-03	4.22E-04	3.15E-04
5103	562862.8	4235407	3.28E-03	5.57E-04	2.65E-03	4.34E-04	3.24E-04
5104	562871.3	4235412	3.37E-03	5.72E-04	2.72E-03	4.46E-04	3.33E-04
5105	562879.7	4235416	3.46E-03	5.88E-04	2.80E-03	4.58E-04	3.42E-04
5106	562888.2	4235421	3.55E-03	6.02E-04	2.86E-03	4.69E-04	3.50E-04
5107	562896.6	4235425	3.62E-03	6.15E-04	2.93E-03	4.79E-04	3.58E-04
5108	562905.1	4235430	3.70E-03	6.28E-04	2.99E-03	4.89E-04	3.65E-04
5109	562913.5	4235434	3.78E-03	6.41E-04	3.05E-03	5.00E-04	3.73E-04
5110	562922	4235439	3.86E-03	6.55E-04	3.12E-03	5.10E-04	3.81E-04
5111	562930.4	4235443	3.94E-03	6.68E-04	3.18E-03	5.21E-04	3.89E-04
5112	562938.9	4235448	4.02E-03	6.82E-04	3.25E-03	5.32E-04	3.97E-04
5113	562947.3	4235453	4.10E-03	6.96E-04	3.31E-03	5.43E-04	4.05E-04
5114	562955.8	4235457	4.18E-03	7.10E-04	3.38E-03	5.53E-04	4.13E-04
5115	562964.2	4235462	4.26E-03	7.24E-04	3.44E-03	5.64E-04	4.21E-04
5116	562972.7	4235466	4.34E-03	7.37E-04	3.51E-03	5.74E-04	4.29E-04
5117	562769.6	4235399	2.43E-03	4.13E-04	1.97E-03	3.22E-04	2.40E-04
5118	562763	4235393	2.39E-03	4.05E-04	1.93E-03	3.16E-04	2.36E-04
5119	562756.4	4235386	2.34E-03	3.97E-04	1.89E-03	3.10E-04	2.31E-04
5120	562749.8	4235379	2.29E-03	3.89E-04	1.85E-03	3.03E-04	2.26E-04
5121	562743.2	4235373	2.25E-03	3.81E-04	1.81E-03	2.97E-04	2.22E-04
5122	562736.5	4235366	2.20E-03	3.73E-04	1.77E-03	2.91E-04	2.17E-04
5123	562729.9	4235360	2.15E-03	3.65E-04	1.74E-03	2.84E-04	2.12E-04
5124	562723.3	4235353	2.10E-03	3.57E-04	1.70E-03	2.78E-04	2.08E-04
5125	562716.7	4235346	2.06E-03	3.49E-04	1.66E-03	2.72E-04	2.03E-04
5126	562710	4235340	2.01E-03	3.41E-04	1.62E-03	2.66E-04	1.99E-04
5127	562703.4	4235333	1.97E-03	3.34E-04	1.59E-03	2.60E-04	1.94E-04
5128	562696.8	4235327	1.92E-03	3.27E-04	1.55E-03	2.55E-04	1.90E-04
5129	562690.2	4235320	1.88E-03	3.20E-04	1.52E-03	2.49E-04	1.86E-04
5130	562683.6	4235313	1.85E-03	3.13E-04	1.49E-03	2.44E-04	1.82E-04
5131	562676.9	4235307	1.81E-03	3.07E-04	1.46E-03	2.39E-04	1.79E-04
5132	562670.3	4235300	1.78E-03	3.01E-04	1.43E-03	2.35E-04	1.75E-04
5133	562663.7	4235293	1.74E-03	2.96E-04	1.41E-03	2.31E-04	1.72E-04
5134	562657.1	4235287	1.71E-03	2.91E-04	1.38E-03	2.27E-04	1.69E-04
5135	562650.5	4235280	1.69E-03	2.86E-04	1.36E-03	2.23E-04	1.66E-04
5136	562643.8	4235274	1.66E-03	2.82E-04	1.34E-03	2.19E-04	1.64E-04
5137	562637.2	4235267	1.63E-03	2.77E-04	1.32E-03	2.16E-04	1.61E-04
5138	562630.6	4235260	1.61E-03	2.73E-04	1.30E-03	2.13E-04	1.59E-04
5139	562624	4235254	1.59E-03	2.70E-04	1.28E-03	2.10E-04	1.57E-04
5140	562617.4	4235247	1.57E-03	2.66E-04	1.27E-03	2.07E-04	1.55E-04
5141	562610.7	4235241	1.55E-03	2.63E-04	1.25E-03	2.05E-04	1.53E-04
5142	562604.1	4235234	1.53E-03	2.59E-04	1.23E-03	2.02E-04	1.51E-04
5143	562597.5	4235227	1.51E-03	2.56E-04	1.22E-03	2.00E-04	1.49E-04

5144	562590.9	4235221	1.49E-03	2.53E-04	1.20E-03	1.97E-04	1.47E-04
5145	562584.3	4235214	1.47E-03	2.50E-04	1.19E-03	1.95E-04	1.45E-04
5146	562577.6	4235208	1.45E-03	2.47E-04	1.17E-03	1.92E-04	1.44E-04
5147	562571	4235201	1.44E-03	2.44E-04	1.16E-03	1.90E-04	1.42E-04
5148	562564.4	4235194	1.42E-03	2.41E-04	1.15E-03	1.88E-04	1.40E-04
5149	562557.8	4235188	1.40E-03	2.38E-04	1.13E-03	1.85E-04	1.38E-04
5150	562551.1	4235181	1.38E-03	2.35E-04	1.12E-03	1.83E-04	1.37E-04
5151	562544.5	4235174	1.37E-03	2.32E-04	1.10E-03	1.81E-04	1.35E-04
5152	562537.9	4235168	1.35E-03	2.29E-04	1.09E-03	1.79E-04	1.33E-04
5153	562531.3	4235161	1.33E-03	2.26E-04	1.08E-03	1.76E-04	1.32E-04
5154	562522.8	4235145	1.32E-03	2.24E-04	1.07E-03	1.74E-04	1.30E-04
5155	562520.9	4235136	1.32E-03	2.24E-04	1.07E-03	1.75E-04	1.30E-04
5156	562519	4235127	1.32E-03	2.25E-04	1.07E-03	1.75E-04	1.31E-04
5157	562517.1	4235118	1.33E-03	2.25E-04	1.07E-03	1.75E-04	1.31E-04
5158	562515.2	4235109	1.33E-03	2.26E-04	1.08E-03	1.76E-04	1.31E-04
5159	562513.3	4235100	1.34E-03	2.27E-04	1.08E-03	1.77E-04	1.32E-04
5160	562511.4	4235091	1.35E-03	2.28E-04	1.09E-03	1.78E-04	1.33E-04
5161	562509.5	4235081	1.36E-03	2.30E-04	1.10E-03	1.79E-04	1.34E-04
5162	562507.6	4235072	1.37E-03	2.32E-04	1.11E-03	1.81E-04	1.35E-04
5163	562505.7	4235063	1.39E-03	2.35E-04	1.12E-03	1.83E-04	1.37E-04
5164	562503.8	4235054	1.41E-03	2.38E-04	1.13E-03	1.86E-04	1.39E-04
5165	562501.9	4235045	1.43E-03	2.42E-04	1.15E-03	1.89E-04	1.41E-04
5166	562500	4235036	1.45E-03	2.47E-04	1.17E-03	1.92E-04	1.44E-04
5167	562498.1	4235026	1.48E-03	2.52E-04	1.20E-03	1.96E-04	1.47E-04
5168	562496.2	4235017	1.52E-03	2.58E-04	1.23E-03	2.01E-04	1.50E-04
5169	562494.3	4235008	1.56E-03	2.64E-04	1.26E-03	2.06E-04	1.54E-04
5170	562492.4	4234999	1.60E-03	2.71E-04	1.29E-03	2.11E-04	1.58E-04
5171	562490.5	4234990	1.65E-03	2.79E-04	1.33E-03	2.18E-04	1.63E-04
5172	562488.6	4234981	1.70E-03	2.88E-04	1.37E-03	2.25E-04	1.68E-04
5173	562486.7	4234971	1.76E-03	2.98E-04	1.42E-03	2.32E-04	1.73E-04
5174	562484.8	4234962	1.82E-03	3.09E-04	1.47E-03	2.41E-04	1.80E-04
5175	562482.8	4234953	1.89E-03	3.20E-04	1.52E-03	2.50E-04	1.86E-04
5176	562480.9	4234944	1.96E-03	3.33E-04	1.58E-03	2.59E-04	1.94E-04
5177	562479	4234935	2.04E-03	3.46E-04	1.65E-03	2.70E-04	2.01E-04
5178	562477.1	4234926	2.11E-03	3.59E-04	1.71E-03	2.80E-04	2.09E-04
5179	562475.2	4234916	2.19E-03	3.72E-04	1.77E-03	2.90E-04	2.16E-04
5180	562473.3	4234907	2.27E-03	3.85E-04	1.83E-03	3.00E-04	2.24E-04
5181	562471.4	4234898	2.36E-03	4.00E-04	1.90E-03	3.12E-04	2.33E-04
5182	562469.5	4234889	2.46E-03	4.17E-04	1.99E-03	3.25E-04	2.43E-04
5183	562467.6	4234880	2.57E-03	4.36E-04	2.08E-03	3.40E-04	2.54E-04
5184	562465.7	4234871	2.71E-03	4.60E-04	2.19E-03	3.58E-04	2.68E-04
5185	562463.8	4234861	2.87E-03	4.88E-04	2.32E-03	3.80E-04	2.84E-04
5186	562461.9	4234852	3.05E-03	5.18E-04	2.46E-03	4.03E-04	3.01E-04
5187	562460	4234843	3.22E-03	5.47E-04	2.60E-03	4.26E-04	3.18E-04
5188	562458.1	4234834	3.38E-03	5.73E-04	2.73E-03	4.47E-04	3.34E-04
5189	562456.2	4234825	3.54E-03	6.01E-04	2.86E-03	4.68E-04	3.50E-04
5190	562454.3	4234816	3.71E-03	6.29E-04	3.00E-03	4.91E-04	3.66E-04
5191	562776.3	4235406	2.48E-03	4.21E-04	2.00E-03	3.28E-04	2.45E-04
5192	562784.7	4235410	2.54E-03	4.31E-04	2.05E-03	3.36E-04	2.51E-04
5193	562793.2	4235415	2.60E-03	4.41E-04	2.10E-03	3.44E-04	2.57E-04
5194	562801.6	4235419	2.66E-03	4.52E-04	2.15E-03	3.52E-04	2.63E-04
5195	562810.1	4235424	2.72E-03	4.62E-04	2.20E-03	3.60E-04	2.69E-04

5196	562818.5	4235429	2.78E-03	4.72E-04	2.25E-03	3.68E-04	2.75E-04
5197	562827	4235433	2.84E-03	4.82E-04	2.29E-03	3.76E-04	2.81E-04
5198	562835.4	4235438	2.90E-03	4.92E-04	2.34E-03	3.84E-04	2.86E-04
5199	562843.9	4235442	2.96E-03	5.02E-04	2.39E-03	3.91E-04	2.92E-04
5200	562852.3	4235447	3.02E-03	5.12E-04	2.44E-03	3.99E-04	2.98E-04
5201	562860.8	4235451	3.09E-03	5.25E-04	2.50E-03	4.09E-04	3.05E-04
5202	562869.2	4235456	3.16E-03	5.37E-04	2.55E-03	4.18E-04	3.12E-04
5203	562877.7	4235460	3.23E-03	5.48E-04	2.61E-03	4.27E-04	3.19E-04
5204	562886.1	4235465	3.30E-03	5.59E-04	2.66E-03	4.36E-04	3.26E-04
5205	562894.6	4235470	3.37E-03	5.71E-04	2.72E-03	4.45E-04	3.32E-04
5206	562903	4235474	3.44E-03	5.84E-04	2.78E-03	4.55E-04	3.40E-04
5207	562911.5	4235479	3.53E-03	5.98E-04	2.85E-03	4.66E-04	3.48E-04
5208	562919.9	4235483	3.60E-03	6.11E-04	2.91E-03	4.76E-04	3.56E-04
5209	562928.4	4235488	3.67E-03	6.23E-04	2.96E-03	4.85E-04	3.63E-04
5210	562936.8	4235492	3.74E-03	6.35E-04	3.02E-03	4.95E-04	3.69E-04
5211	562945.3	4235497	3.81E-03	6.47E-04	3.08E-03	5.04E-04	3.76E-04
5212	562953.7	4235501	3.88E-03	6.58E-04	3.13E-03	5.13E-04	3.83E-04
5213	562750.6	4235434	2.25E-03	3.82E-04	1.82E-03	2.98E-04	2.22E-04
5214	562743.9	4235428	2.21E-03	3.75E-04	1.79E-03	2.92E-04	2.18E-04
5215	562737.2	4235421	2.17E-03	3.68E-04	1.75E-03	2.87E-04	2.14E-04
5216	562730.5	4235414	2.13E-03	3.61E-04	1.72E-03	2.81E-04	2.10E-04
5217	562723.8	4235408	2.08E-03	3.53E-04	1.68E-03	2.75E-04	2.06E-04
5218	562717.1	4235401	2.04E-03	3.46E-04	1.65E-03	2.70E-04	2.01E-04
5219	562710.4	4235394	2.00E-03	3.39E-04	1.61E-03	2.64E-04	1.97E-04
5220	562703.7	4235388	1.95E-03	3.31E-04	1.58E-03	2.58E-04	1.93E-04
5221	562697	4235381	1.91E-03	3.24E-04	1.54E-03	2.53E-04	1.89E-04
5222	562690.3	4235374	1.87E-03	3.17E-04	1.51E-03	2.47E-04	1.85E-04
5223	562683.6	4235368	1.83E-03	3.10E-04	1.48E-03	2.42E-04	1.81E-04
5224	562676.9	4235361	1.79E-03	3.04E-04	1.45E-03	2.37E-04	1.77E-04
5225	562670.3	4235354	1.75E-03	2.98E-04	1.42E-03	2.32E-04	1.73E-04
5226	562663.6	4235347	1.72E-03	2.92E-04	1.39E-03	2.27E-04	1.70E-04
5227	562656.9	4235341	1.68E-03	2.86E-04	1.36E-03	2.23E-04	1.66E-04
5228	562650.2	4235334	1.65E-03	2.81E-04	1.33E-03	2.19E-04	1.63E-04
5229	562643.5	4235327	1.62E-03	2.75E-04	1.31E-03	2.15E-04	1.60E-04
5230	562636.8	4235321	1.60E-03	2.71E-04	1.29E-03	2.11E-04	1.58E-04
5231	562630.1	4235314	1.57E-03	2.66E-04	1.27E-03	2.08E-04	1.55E-04
5232	562623.4	4235307	1.55E-03	2.62E-04	1.25E-03	2.04E-04	1.53E-04
5233	562616.7	4235301	1.52E-03	2.58E-04	1.23E-03	2.01E-04	1.50E-04
5234	562610	4235294	1.50E-03	2.55E-04	1.21E-03	1.99E-04	1.48E-04
5235	562603.3	4235287	1.48E-03	2.51E-04	1.20E-03	1.96E-04	1.46E-04
5236	562596.6	4235281	1.46E-03	2.48E-04	1.18E-03	1.93E-04	1.44E-04
5237	562589.9	4235274	1.44E-03	2.45E-04	1.17E-03	1.91E-04	1.43E-04
5238	562583.2	4235267	1.43E-03	2.42E-04	1.15E-03	1.89E-04	1.41E-04
5239	562576.5	4235261	1.40E-03	2.38E-04	1.13E-03	1.85E-04	1.38E-04
5240	562569.8	4235254	1.38E-03	2.34E-04	1.11E-03	1.82E-04	1.36E-04
5241	562563.1	4235247	1.36E-03	2.32E-04	1.10E-03	1.80E-04	1.35E-04
5242	562556.4	4235241	1.36E-03	2.30E-04	1.09E-03	1.79E-04	1.34E-04
5243	562549.7	4235234	1.34E-03	2.27E-04	1.08E-03	1.77E-04	1.32E-04
5244	562543	4235227	1.32E-03	2.24E-04	1.06E-03	1.74E-04	1.30E-04
5245	562536.3	4235220	1.30E-03	2.21E-04	1.05E-03	1.72E-04	1.29E-04
5246	562529.6	4235214	1.29E-03	2.19E-04	1.04E-03	1.71E-04	1.27E-04
5247	562523	4235207	1.28E-03	2.17E-04	1.03E-03	1.69E-04	1.27E-04

5248	562516.3	4235200	1.26E-03	2.14E-04	1.02E-03	1.66E-04	1.24E-04
5249	562509.6	4235194	1.24E-03	2.10E-04	1.00E-03	1.64E-04	1.22E-04
5250	562502.9	4235187	1.23E-03	2.08E-04	9.90E-04	1.62E-04	1.21E-04
5251	562496.2	4235180	1.22E-03	2.07E-04	9.83E-04	1.61E-04	1.20E-04
5252	562487.6	4235164	1.20E-03	2.04E-04	9.71E-04	1.59E-04	1.19E-04
5253	562485.6	4235155	1.21E-03	2.05E-04	9.73E-04	1.59E-04	1.19E-04
5254	562483.7	4235146	1.21E-03	2.05E-04	9.77E-04	1.60E-04	1.20E-04
5255	562481.8	4235137	1.21E-03	2.06E-04	9.79E-04	1.60E-04	1.20E-04
5256	562479.9	4235127	1.22E-03	2.06E-04	9.81E-04	1.61E-04	1.20E-04
5257	562477.9	4235118	1.22E-03	2.07E-04	9.85E-04	1.61E-04	1.20E-04
5258	562476	4235109	1.23E-03	2.08E-04	9.90E-04	1.62E-04	1.21E-04
5259	562474.1	4235100	1.23E-03	2.09E-04	9.96E-04	1.63E-04	1.22E-04
5260	562472.2	4235090	1.24E-03	2.11E-04	1.00E-03	1.65E-04	1.23E-04
5261	562470.3	4235081	1.26E-03	2.13E-04	1.01E-03	1.66E-04	1.24E-04
5262	562468.3	4235072	1.27E-03	2.16E-04	1.03E-03	1.68E-04	1.26E-04
5263	562466.4	4235062	1.29E-03	2.19E-04	1.04E-03	1.70E-04	1.27E-04
5264	562464.5	4235053	1.31E-03	2.22E-04	1.06E-03	1.73E-04	1.29E-04
5265	562462.6	4235044	1.33E-03	2.26E-04	1.08E-03	1.76E-04	1.32E-04
5266	562460.6	4235035	1.36E-03	2.31E-04	1.10E-03	1.80E-04	1.34E-04
5267	562458.7	4235025	1.39E-03	2.36E-04	1.12E-03	1.84E-04	1.38E-04
5268	562456.8	4235016	1.43E-03	2.42E-04	1.15E-03	1.89E-04	1.41E-04
5269	562454.9	4235007	1.47E-03	2.49E-04	1.18E-03	1.94E-04	1.45E-04
5270	562453	4234998	1.51E-03	2.56E-04	1.22E-03	2.00E-04	1.49E-04
5271	562451	4234988	1.56E-03	2.64E-04	1.26E-03	2.06E-04	1.54E-04
5272	562449.1	4234979	1.61E-03	2.73E-04	1.30E-03	2.13E-04	1.59E-04
5273	562447.2	4234970	1.67E-03	2.83E-04	1.34E-03	2.20E-04	1.64E-04
5274	562445.3	4234961	1.72E-03	2.92E-04	1.39E-03	2.27E-04	1.70E-04
5275	562443.3	4234951	1.77E-03	3.01E-04	1.43E-03	2.34E-04	1.75E-04
5276	562441.4	4234942	1.83E-03	3.10E-04	1.48E-03	2.42E-04	1.80E-04
5277	562439.5	4234933	1.89E-03	3.20E-04	1.52E-03	2.50E-04	1.86E-04
5278	562437.6	4234924	1.96E-03	3.33E-04	1.58E-03	2.59E-04	1.94E-04
5279	562435.7	4234914	2.04E-03	3.46E-04	1.65E-03	2.70E-04	2.02E-04
5280	562433.7	4234905	2.13E-03	3.62E-04	1.72E-03	2.82E-04	2.11E-04
5281	562431.8	4234896	2.26E-03	3.83E-04	1.82E-03	2.98E-04	2.23E-04
5282	562429.9	4234886	2.39E-03	4.05E-04	1.93E-03	3.16E-04	2.36E-04
5283	562428	4234877	2.52E-03	4.28E-04	2.04E-03	3.33E-04	2.49E-04
5284	562426	4234868	2.64E-03	4.48E-04	2.13E-03	3.49E-04	2.61E-04
5285	562424.1	4234859	2.77E-03	4.70E-04	2.23E-03	3.66E-04	2.73E-04
5286	562422.2	4234849	2.90E-03	4.92E-04	2.34E-03	3.84E-04	2.86E-04
5287	562420.3	4234840	3.04E-03	5.16E-04	2.45E-03	4.02E-04	3.00E-04
5288	562418.4	4234831	3.18E-03	5.40E-04	2.57E-03	4.21E-04	3.14E-04
5289	562416.4	4234822	3.33E-03	5.65E-04	2.69E-03	4.41E-04	3.29E-04
5290	562414.5	4234812	3.49E-03	5.92E-04	2.81E-03	4.61E-04	3.44E-04
5291	562757.3	4235441	2.29E-03	3.89E-04	1.85E-03	3.03E-04	2.26E-04
5292	562765.7	4235446	2.35E-03	3.98E-04	1.89E-03	3.10E-04	2.32E-04
5293	562774.2	4235450	2.40E-03	4.07E-04	1.94E-03	3.17E-04	2.37E-04
5294	562782.6	4235455	2.45E-03	4.16E-04	1.98E-03	3.24E-04	2.42E-04
5295	562791.1	4235459	2.50E-03	4.25E-04	2.02E-03	3.31E-04	2.47E-04
5296	562799.6	4235464	2.55E-03	4.33E-04	2.06E-03	3.38E-04	2.52E-04
5297	562808	4235468	2.60E-03	4.42E-04	2.10E-03	3.44E-04	2.57E-04
5298	562816.5	4235473	2.65E-03	4.50E-04	2.14E-03	3.51E-04	2.62E-04
5299	562824.9	4235477	2.70E-03	4.59E-04	2.18E-03	3.58E-04	2.67E-04

5300	562833.4	4235482	2.75E-03	4.67E-04	2.22E-03	3.64E-04	2.72E-04
5301	562841.8	4235487	2.81E-03	4.76E-04	2.27E-03	3.71E-04	2.77E-04
5302	562850.3	4235491	2.86E-03	4.85E-04	2.31E-03	3.78E-04	2.82E-04
5303	562858.7	4235496	2.91E-03	4.94E-04	2.35E-03	3.85E-04	2.87E-04
5304	562867.2	4235500	2.96E-03	5.03E-04	2.39E-03	3.92E-04	2.93E-04
5305	562875.6	4235505	3.02E-03	5.12E-04	2.44E-03	3.99E-04	2.98E-04
5306	562884.1	4235509	3.08E-03	5.22E-04	2.48E-03	4.07E-04	3.04E-04
5307	562892.5	4235514	3.15E-03	5.34E-04	2.54E-03	4.16E-04	3.11E-04
5308	562901	4235518	3.21E-03	5.45E-04	2.59E-03	4.25E-04	3.17E-04
5309	562909.4	4235523	3.27E-03	5.56E-04	2.64E-03	4.33E-04	3.23E-04
5310	562917.9	4235528	3.33E-03	5.65E-04	2.69E-03	4.40E-04	3.29E-04
5311	562926.3	4235532	3.38E-03	5.74E-04	2.73E-03	4.47E-04	3.34E-04
5312	562934.8	4235537	3.44E-03	5.83E-04	2.78E-03	4.55E-04	3.39E-04
5313	562731.6	4235470	2.09E-03	3.55E-04	1.69E-03	2.77E-04	2.07E-04
5314	562724.8	4235463	2.05E-03	3.49E-04	1.66E-03	2.72E-04	2.03E-04
5315	562718	4235456	2.02E-03	3.42E-04	1.63E-03	2.67E-04	1.99E-04
5316	562711.3	4235449	1.98E-03	3.36E-04	1.60E-03	2.62E-04	1.95E-04
5317	562704.5	4235443	1.94E-03	3.29E-04	1.57E-03	2.57E-04	1.92E-04
5318	562697.8	4235436	1.90E-03	3.23E-04	1.53E-03	2.51E-04	1.88E-04
5319	562691	4235429	1.86E-03	3.16E-04	1.50E-03	2.46E-04	1.84E-04
5320	562684.2	4235422	1.82E-03	3.09E-04	1.47E-03	2.41E-04	1.80E-04
5321	562677.5	4235416	1.78E-03	3.03E-04	1.44E-03	2.36E-04	1.76E-04
5322	562670.7	4235409	1.74E-03	2.95E-04	1.41E-03	2.30E-04	1.72E-04
5323	562663.9	4235402	1.70E-03	2.88E-04	1.37E-03	2.24E-04	1.68E-04
5324	562657.2	4235395	1.66E-03	2.82E-04	1.34E-03	2.20E-04	1.64E-04
5325	562650.4	4235388	1.63E-03	2.77E-04	1.32E-03	2.16E-04	1.61E-04
5326	562643.7	4235382	1.61E-03	2.72E-04	1.30E-03	2.12E-04	1.59E-04
5327	562636.9	4235375	1.57E-03	2.66E-04	1.26E-03	2.07E-04	1.55E-04
5328	562630.1	4235368	1.53E-03	2.60E-04	1.24E-03	2.03E-04	1.52E-04
5329	562623.4	4235361	1.51E-03	2.56E-04	1.22E-03	2.00E-04	1.49E-04
5330	562616.6	4235355	1.49E-03	2.53E-04	1.20E-03	1.97E-04	1.47E-04
5331	562609.8	4235348	1.46E-03	2.48E-04	1.18E-03	1.93E-04	1.44E-04
5332	562603.1	4235341	1.42E-03	2.42E-04	1.15E-03	1.88E-04	1.41E-04
5333	562596.3	4235334	1.39E-03	2.36E-04	1.12E-03	1.84E-04	1.37E-04
5334	562589.5	4235328	1.36E-03	2.31E-04	1.10E-03	1.80E-04	1.34E-04
5335	562582.8	4235321	1.34E-03	2.28E-04	1.08E-03	1.78E-04	1.33E-04
5336	562576	4235314	1.33E-03	2.26E-04	1.08E-03	1.76E-04	1.32E-04
5337	562569.3	4235307	1.32E-03	2.24E-04	1.06E-03	1.74E-04	1.30E-04
5338	562562.5	4235301	1.30E-03	2.20E-04	1.05E-03	1.72E-04	1.28E-04
5339	562555.7	4235294	1.28E-03	2.16E-04	1.03E-03	1.69E-04	1.26E-04
5340	562549	4235287	1.26E-03	2.14E-04	1.02E-03	1.66E-04	1.24E-04
5341	562542.2	4235280	1.24E-03	2.11E-04	1.01E-03	1.65E-04	1.23E-04
5342	562535.4	4235274	1.23E-03	2.09E-04	9.94E-04	1.63E-04	1.22E-04
5343	562528.7	4235267	1.22E-03	2.07E-04	9.84E-04	1.61E-04	1.20E-04
5344	562521.9	4235260	1.21E-03	2.05E-04	9.75E-04	1.60E-04	1.19E-04
5345	562515.2	4235253	1.20E-03	2.03E-04	9.68E-04	1.59E-04	1.18E-04
5346	562508.4	4235247	1.19E-03	2.01E-04	9.58E-04	1.57E-04	1.17E-04
5347	562501.6	4235240	1.17E-03	1.98E-04	9.44E-04	1.55E-04	1.15E-04
5348	562494.9	4235233	1.15E-03	1.95E-04	9.30E-04	1.52E-04	1.14E-04
5349	562488.1	4235226	1.14E-03	1.94E-04	9.23E-04	1.51E-04	1.13E-04
5350	562481.3	4235220	1.13E-03	1.92E-04	9.14E-04	1.50E-04	1.12E-04
5351	562474.6	4235213	1.12E-03	1.90E-04	9.02E-04	1.48E-04	1.10E-04

5352	562467.8	4235206	1.10E-03	1.86E-04	8.87E-04	1.45E-04	1.08E-04
5353	562461	4235199	1.09E-03	1.85E-04	8.78E-04	1.44E-04	1.07E-04
5354	562452.3	4235183	1.08E-03	1.82E-04	8.68E-04	1.42E-04	1.06E-04
5355	562450.4	4235174	1.07E-03	1.82E-04	8.67E-04	1.42E-04	1.06E-04
5356	562448.5	4235165	1.08E-03	1.83E-04	8.72E-04	1.43E-04	1.07E-04
5357	562446.5	4235155	1.09E-03	1.84E-04	8.76E-04	1.44E-04	1.07E-04
5358	562444.6	4235146	1.09E-03	1.85E-04	8.80E-04	1.44E-04	1.08E-04
5359	562442.6	4235137	1.09E-03	1.85E-04	8.81E-04	1.44E-04	1.08E-04
5360	562440.7	4235127	1.09E-03	1.85E-04	8.82E-04	1.44E-04	1.08E-04
5361	562438.8	4235118	1.10E-03	1.86E-04	8.85E-04	1.45E-04	1.08E-04
5362	562436.8	4235108	1.10E-03	1.87E-04	8.89E-04	1.46E-04	1.09E-04
5363	562434.9	4235099	1.11E-03	1.88E-04	8.95E-04	1.47E-04	1.09E-04
5364	562432.9	4235090	1.12E-03	1.90E-04	9.03E-04	1.48E-04	1.10E-04
5365	562431	4235080	1.14E-03	1.93E-04	9.20E-04	1.51E-04	1.13E-04
5366	562429	4235071	1.17E-03	1.98E-04	9.41E-04	1.54E-04	1.15E-04
5367	562427.1	4235062	1.19E-03	2.02E-04	9.64E-04	1.58E-04	1.18E-04
5368	562425.2	4235052	1.22E-03	2.07E-04	9.84E-04	1.61E-04	1.20E-04
5369	562423.2	4235043	1.24E-03	2.11E-04	1.00E-03	1.64E-04	1.23E-04
5370	562421.3	4235034	1.27E-03	2.15E-04	1.02E-03	1.68E-04	1.25E-04
5371	562419.3	4235024	1.30E-03	2.20E-04	1.05E-03	1.71E-04	1.28E-04
5372	562417.4	4235015	1.33E-03	2.25E-04	1.07E-03	1.76E-04	1.31E-04
5373	562415.5	4235006	1.36E-03	2.32E-04	1.10E-03	1.80E-04	1.35E-04
5374	562413.5	4234996	1.40E-03	2.38E-04	1.13E-03	1.86E-04	1.39E-04
5375	562411.6	4234987	1.46E-03	2.47E-04	1.18E-03	1.93E-04	1.44E-04
5376	562409.6	4234977	1.52E-03	2.57E-04	1.23E-03	2.01E-04	1.50E-04
5377	562407.7	4234968	1.58E-03	2.69E-04	1.28E-03	2.09E-04	1.56E-04
5378	562405.7	4234959	1.64E-03	2.79E-04	1.33E-03	2.17E-04	1.62E-04
5379	562403.8	4234949	1.71E-03	2.90E-04	1.38E-03	2.26E-04	1.69E-04
5380	562401.9	4234940	1.78E-03	3.02E-04	1.43E-03	2.35E-04	1.76E-04
5381	562399.9	4234931	1.85E-03	3.14E-04	1.49E-03	2.45E-04	1.83E-04
5382	562398	4234921	1.93E-03	3.27E-04	1.56E-03	2.55E-04	1.90E-04
5383	562396	4234912	2.01E-03	3.41E-04	1.62E-03	2.66E-04	1.99E-04
5384	562394.1	4234903	2.10E-03	3.56E-04	1.69E-03	2.78E-04	2.07E-04
5385	562392.2	4234893	2.19E-03	3.72E-04	1.77E-03	2.90E-04	2.17E-04
5386	562390.2	4234884	2.29E-03	3.89E-04	1.85E-03	3.03E-04	2.26E-04
5387	562388.3	4234875	2.40E-03	4.07E-04	1.94E-03	3.17E-04	2.37E-04
5388	562386.3	4234865	2.51E-03	4.26E-04	2.03E-03	3.32E-04	2.48E-04
5389	562384.4	4234856	2.62E-03	4.45E-04	2.12E-03	3.47E-04	2.59E-04
5390	562382.4	4234846	2.75E-03	4.66E-04	2.22E-03	3.63E-04	2.71E-04
5391	562380.5	4234837	2.87E-03	4.88E-04	2.32E-03	3.80E-04	2.84E-04
5392	562378.6	4234828	3.01E-03	5.10E-04	2.43E-03	3.98E-04	2.97E-04
5393	562376.6	4234818	3.14E-03	5.34E-04	2.54E-03	4.16E-04	3.11E-04
5394	562374.7	4234809	3.29E-03	5.58E-04	2.65E-03	4.35E-04	3.24E-04
5395	562738.3	4235476	2.13E-03	3.61E-04	1.72E-03	2.81E-04	2.10E-04
5396	562746.8	4235481	2.17E-03	3.69E-04	1.75E-03	2.87E-04	2.15E-04
5397	562755.2	4235485	2.22E-03	3.77E-04	1.79E-03	2.94E-04	2.19E-04
5398	562763.7	4235490	2.27E-03	3.84E-04	1.83E-03	3.00E-04	2.24E-04
5399	562772.1	4235494	2.31E-03	3.92E-04	1.87E-03	3.05E-04	2.28E-04
5400	562780.6	4235499	2.35E-03	3.99E-04	1.90E-03	3.11E-04	2.32E-04
5401	562789	4235504	2.40E-03	4.07E-04	1.94E-03	3.17E-04	2.37E-04
5402	562797.5	4235508	2.44E-03	4.14E-04	1.97E-03	3.23E-04	2.41E-04
5403	562805.9	4235513	2.48E-03	4.21E-04	2.01E-03	3.28E-04	2.45E-04

5404	562814.4	4235517	2.53E-03	4.29E-04	2.04E-03	3.34E-04	2.50E-04
5405	562822.8	4235522	2.57E-03	4.36E-04	2.07E-03	3.40E-04	2.54E-04
5406	562831.3	4235526	2.61E-03	4.43E-04	2.11E-03	3.46E-04	2.58E-04
5407	562839.8	4235531	2.66E-03	4.51E-04	2.15E-03	3.52E-04	2.63E-04
5408	562848.2	4235535	2.70E-03	4.59E-04	2.18E-03	3.58E-04	2.67E-04
5409	562856.7	4235540	2.75E-03	4.67E-04	2.22E-03	3.64E-04	2.72E-04
5410	562865.1	4235545	2.80E-03	4.75E-04	2.26E-03	3.70E-04	2.76E-04
5411	562873.6	4235549	2.85E-03	4.83E-04	2.30E-03	3.77E-04	2.81E-04
5412	562882	4235554	2.90E-03	4.92E-04	2.34E-03	3.83E-04	2.86E-04
5413	562890.5	4235558	2.95E-03	5.01E-04	2.38E-03	3.90E-04	2.91E-04
5414	562898.9	4235563	3.00E-03	5.10E-04	2.42E-03	3.97E-04	2.97E-04
5415	562907.4	4235567	3.06E-03	5.19E-04	2.47E-03	4.04E-04	3.02E-04
5416	562915.8	4235572	3.11E-03	5.28E-04	2.51E-03	4.11E-04	3.07E-04
5417	563257	4234972	3.87E-02	6.56E-03	3.12E-02	5.11E-03	3.82E-03
5418	563263.1	4234980	3.46E-02	5.87E-03	2.79E-02	4.57E-03	3.42E-03
5419	563246.5	4234984	3.96E-02	6.72E-03	3.20E-02	5.23E-03	3.91E-03
5420	563271.2	4234975	3.27E-02	5.56E-03	2.64E-02	4.33E-03	3.23E-03
5421	563269.3	4234988	3.11E-02	5.27E-03	2.51E-02	4.11E-03	3.07E-03
5422	563260.6	4234991	3.30E-02	5.60E-03	2.67E-02	4.37E-03	3.26E-03
5423	563247.3	4234994	3.66E-02	6.21E-03	2.95E-02	4.84E-03	3.61E-03
5424	563238	4234992	4.02E-02	6.82E-03	3.25E-02	5.32E-03	3.97E-03
5425	563275.6	4234995	2.81E-02	4.76E-03	2.27E-02	3.71E-03	2.77E-03
5426	563266.6	4234999	2.98E-02	5.06E-03	2.41E-02	3.94E-03	2.95E-03
5427	563257.5	4235003	3.15E-02	5.35E-03	2.55E-02	4.17E-03	3.11E-03
5428	563248.1	4235004	3.39E-02	5.75E-03	2.74E-02	4.48E-03	3.35E-03
5429	563238.5	4235002	3.72E-02	6.30E-03	3.00E-02	4.91E-03	3.67E-03
5430	563284.2	4234990	2.66E-02	4.52E-03	2.15E-02	3.52E-03	2.63E-03
5431	563282	4235003	2.55E-02	4.33E-03	2.06E-02	3.37E-03	2.52E-03
5432	563272.7	4235007	2.71E-02	4.59E-03	2.19E-02	3.58E-03	2.67E-03
5433	563263.4	4235011	2.86E-02	4.86E-03	2.31E-02	3.78E-03	2.83E-03
5434	563249.1	4235014	3.14E-02	5.34E-03	2.54E-02	4.16E-03	3.11E-03
5435	563239.1	4235012	3.43E-02	5.83E-03	2.77E-02	4.54E-03	3.39E-03
5436	563229.1	4235010	3.73E-02	6.34E-03	3.02E-02	4.94E-03	3.69E-03
5437	563288.4	4235011	2.33E-02	3.95E-03	1.88E-02	3.08E-03	2.30E-03
5438	563278.9	4235015	2.47E-02	4.19E-03	1.99E-02	3.26E-03	2.44E-03
5439	563269.4	4235019	2.61E-02	4.42E-03	2.10E-02	3.45E-03	2.57E-03
5440	563259.9	4235023	2.74E-02	4.65E-03	2.21E-02	3.62E-03	2.71E-03
5441	563250.1	4235024	2.92E-02	4.96E-03	2.36E-02	3.86E-03	2.88E-03
5442	563239.9	4235022	3.18E-02	5.39E-03	2.57E-02	4.20E-03	3.14E-03
5443	563229.7	4235020	3.45E-02	5.85E-03	2.78E-02	4.56E-03	3.41E-03
5444	563297.2	4235005	2.21E-02	3.76E-03	1.79E-02	2.93E-03	2.19E-03
5445	563294.9	4235018	2.13E-02	3.62E-03	1.72E-02	2.82E-03	2.11E-03
5446	563285.2	4235022	2.26E-02	3.83E-03	1.82E-02	2.99E-03	2.23E-03
5447	563275.5	4235027	2.38E-02	4.04E-03	1.92E-02	3.15E-03	2.35E-03
5448	563265.9	4235031	2.50E-02	4.25E-03	2.02E-02	3.31E-03	2.47E-03
5449	563251	4235034	2.72E-02	4.62E-03	2.20E-02	3.60E-03	2.69E-03
5450	563240.7	4235032	2.95E-02	5.01E-03	2.38E-02	3.90E-03	2.92E-03
5451	563230.4	4235030	3.19E-02	5.42E-03	2.58E-02	4.22E-03	3.15E-03
5452	563220	4235028	3.44E-02	5.84E-03	2.78E-02	4.55E-03	3.40E-03
5453	563303.7	4235013	2.03E-02	3.45E-03	1.64E-02	2.69E-03	2.01E-03
5454	563301.8	4235026	1.96E-02	3.32E-03	1.58E-02	2.59E-03	1.93E-03
5455	563292.9	4235030	2.06E-02	3.49E-03	1.66E-02	2.72E-03	2.03E-03

5456	563284	4235033	2.16E-02	3.67E-03	1.74E-02	2.86E-03	2.13E-03
5457	563275.1	4235037	2.26E-02	3.84E-03	1.83E-02	2.99E-03	2.23E-03
5458	563266.2	4235041	2.36E-02	4.00E-03	1.91E-02	3.12E-03	2.33E-03
5459	563252.5	4235044	2.54E-02	4.31E-03	2.05E-02	3.36E-03	2.51E-03
5460	563243	4235042	2.72E-02	4.62E-03	2.20E-02	3.60E-03	2.69E-03
5461	563233.5	4235040	2.92E-02	4.95E-03	2.36E-02	3.86E-03	2.88E-03
5462	563224	4235038	3.12E-02	5.29E-03	2.52E-02	4.12E-03	3.08E-03
5463	563214.5	4235037	3.31E-02	5.62E-03	2.68E-02	4.38E-03	3.27E-03
5464	563308.2	4235033	1.81E-02	3.07E-03	1.46E-02	2.39E-03	1.78E-03
5465	563299.1	4235037	1.90E-02	3.22E-03	1.53E-02	2.51E-03	1.88E-03
5466	563290.1	4235041	1.99E-02	3.38E-03	1.61E-02	2.63E-03	1.97E-03
5467	563281	4235045	2.08E-02	3.54E-03	1.68E-02	2.76E-03	2.06E-03
5468	563272	4235049	2.17E-02	3.69E-03	1.75E-02	2.87E-03	2.15E-03
5469	563262.9	4235053	2.26E-02	3.83E-03	1.82E-02	2.99E-03	2.23E-03
5470	563253.5	4235054	2.38E-02	4.04E-03	1.92E-02	3.15E-03	2.35E-03
5471	563243.8	4235052	2.55E-02	4.32E-03	2.06E-02	3.37E-03	2.52E-03
5472	563234.1	4235050	2.73E-02	4.63E-03	2.20E-02	3.61E-03	2.69E-03
5473	563224.4	4235048	2.91E-02	4.93E-03	2.35E-02	3.84E-03	2.87E-03
5474	563214.8	4235046	3.08E-02	5.23E-03	2.49E-02	4.08E-03	3.05E-03
5475	563316.8	4235028	1.73E-02	2.94E-03	1.40E-02	2.29E-03	1.71E-03
5476	563321.1	4235049	1.56E-02	2.64E-03	1.26E-02	2.06E-03	1.54E-03
5477	563311.8	4235053	1.63E-02	2.77E-03	1.32E-02	2.16E-03	1.61E-03
5478	563302.5	4235057	1.71E-02	2.90E-03	1.38E-02	2.26E-03	1.69E-03
5479	563293.1	4235061	1.78E-02	3.03E-03	1.44E-02	2.36E-03	1.76E-03
5480	563283.8	4235065	1.86E-02	3.16E-03	1.50E-02	2.46E-03	1.84E-03
5481	563274.5	4235069	1.93E-02	3.28E-03	1.56E-02	2.56E-03	1.91E-03
5482	563265.2	4235073	2.00E-02	3.40E-03	1.62E-02	2.65E-03	1.98E-03
5483	563255.5	4235074	2.11E-02	3.58E-03	1.70E-02	2.79E-03	2.08E-03
5484	563245.6	4235072	2.25E-02	3.82E-03	1.82E-02	2.98E-03	2.22E-03
5485	563235.6	4235070	2.40E-02	4.07E-03	1.94E-02	3.17E-03	2.37E-03
5486	563225.6	4235068	2.54E-02	4.32E-03	2.05E-02	3.37E-03	2.51E-03
5487	563215.7	4235066	2.69E-02	4.56E-03	2.17E-02	3.55E-03	2.65E-03
5488	563205.7	4235064	2.83E-02	4.79E-03	2.28E-02	3.74E-03	2.79E-03
5489	563329.8	4235043	1.49E-02	2.53E-03	1.21E-02	1.98E-03	1.48E-03
5490	563334	4235064	1.35E-02	2.30E-03	1.09E-02	1.79E-03	1.34E-03
5491	563324.5	4235068	1.42E-02	2.41E-03	1.14E-02	1.87E-03	1.40E-03
5492	563315	4235072	1.48E-02	2.51E-03	1.20E-02	1.96E-03	1.46E-03
5493	563305.5	4235076	1.54E-02	2.62E-03	1.25E-02	2.04E-03	1.52E-03
5494	563296	4235080	1.61E-02	2.73E-03	1.30E-02	2.13E-03	1.59E-03
5495	563286.5	4235084	1.67E-02	2.83E-03	1.35E-02	2.21E-03	1.65E-03
5496	563276.9	4235088	1.73E-02	2.94E-03	1.40E-02	2.29E-03	1.71E-03
5497	563267.4	4235093	1.79E-02	3.04E-03	1.44E-02	2.37E-03	1.77E-03
5498	563257.6	4235094	1.88E-02	3.18E-03	1.51E-02	2.48E-03	1.85E-03
5499	563247.4	4235092	2.00E-02	3.39E-03	1.61E-02	2.64E-03	1.97E-03
5500	563237.2	4235090	2.12E-02	3.60E-03	1.71E-02	2.81E-03	2.10E-03
5501	563227	4235088	2.25E-02	3.81E-03	1.81E-02	2.97E-03	2.22E-03
5502	563216.9	4235086	2.36E-02	4.01E-03	1.91E-02	3.13E-03	2.33E-03
5503	563206.7	4235084	2.48E-02	4.20E-03	2.00E-02	3.28E-03	2.45E-03
5504	563196.5	4235082	2.58E-02	4.38E-03	2.08E-02	3.41E-03	2.55E-03
5505	563342.8	4235058	1.30E-02	2.21E-03	1.05E-02	1.72E-03	1.29E-03
5506	563347	4235079	1.19E-02	2.02E-03	9.62E-03	1.58E-03	1.18E-03
5507	563337.3	4235083	1.24E-02	2.11E-03	1.00E-02	1.65E-03	1.23E-03

5508	563327.6	4235087	1.30E-02	2.20E-03	1.05E-02	1.71E-03	1.28E-03
5509	563318	4235092	1.35E-02	2.29E-03	1.09E-02	1.78E-03	1.33E-03
5510	563308.3	4235096	1.40E-02	2.38E-03	1.13E-02	1.85E-03	1.38E-03
5511	563298.6	4235100	1.45E-02	2.47E-03	1.17E-02	1.92E-03	1.44E-03
5512	563289	4235104	1.51E-02	2.56E-03	1.22E-02	1.99E-03	1.49E-03
5513	563279.3	4235108	1.56E-02	2.64E-03	1.26E-02	2.06E-03	1.54E-03
5514	563269.6	4235112	1.61E-02	2.73E-03	1.30E-02	2.13E-03	1.59E-03
5515	563259.6	4235114	1.68E-02	2.85E-03	1.36E-02	2.22E-03	1.66E-03
5516	563249.3	4235111	1.78E-02	3.02E-03	1.44E-02	2.36E-03	1.76E-03
5517	563239	4235109	1.89E-02	3.20E-03	1.52E-02	2.50E-03	1.86E-03
5518	563228.6	4235107	1.99E-02	3.38E-03	1.61E-02	2.63E-03	1.97E-03
5519	563218.3	4235105	2.09E-02	3.55E-03	1.69E-02	2.77E-03	2.07E-03
5520	563208	4235103	2.19E-02	3.72E-03	1.77E-02	2.90E-03	2.16E-03
5521	563197.6	4235101	2.28E-02	3.87E-03	1.84E-02	3.01E-03	2.25E-03
5522	563187.3	4235099	2.36E-02	4.00E-03	1.90E-02	3.12E-03	2.33E-03
5523	563360.2	4235094	1.06E-02	1.79E-03	8.53E-03	1.40E-03	1.04E-03
5524	563350.9	4235098	1.10E-02	1.86E-03	8.87E-03	1.45E-03	1.08E-03
5525	563341.5	4235102	1.14E-02	1.93E-03	9.21E-03	1.51E-03	1.13E-03
5526	563332.2	4235106	1.18E-02	2.01E-03	9.55E-03	1.56E-03	1.17E-03
5527	563322.9	4235110	1.22E-02	2.08E-03	9.89E-03	1.62E-03	1.21E-03
5528	563313.6	4235114	1.27E-02	2.15E-03	1.02E-02	1.68E-03	1.25E-03
5529	563304.3	4235118	1.31E-02	2.22E-03	1.06E-02	1.73E-03	1.29E-03
5530	563294.9	4235122	1.35E-02	2.29E-03	1.09E-02	1.79E-03	1.33E-03
5531	563285.6	4235126	1.39E-02	2.36E-03	1.12E-02	1.84E-03	1.38E-03
5532	563276.3	4235130	1.43E-02	2.43E-03	1.16E-02	1.90E-03	1.42E-03
5533	563262	4235133	1.51E-02	2.56E-03	1.22E-02	2.00E-03	1.49E-03
5534	563252	4235131	1.59E-02	2.71E-03	1.29E-02	2.11E-03	1.57E-03
5535	563242	4235130	1.68E-02	2.85E-03	1.36E-02	2.22E-03	1.66E-03
5536	563232.1	4235128	1.77E-02	3.00E-03	1.43E-02	2.33E-03	1.74E-03
5537	563222.1	4235126	1.85E-02	3.14E-03	1.49E-02	2.45E-03	1.83E-03
5538	563212.1	4235124	1.93E-02	3.28E-03	1.56E-02	2.55E-03	1.91E-03
5539	563202.2	4235122	2.00E-02	3.40E-03	1.62E-02	2.65E-03	1.98E-03
5540	563192.2	4235120	2.07E-02	3.51E-03	1.67E-02	2.74E-03	2.05E-03
5541	563182.2	4235118	2.13E-02	3.61E-03	1.72E-02	2.81E-03	2.10E-03
5542	563172.3	4235116	2.16E-02	3.67E-03	1.75E-02	2.86E-03	2.14E-03
5543	563373.1	4235109	9.44E-03	1.60E-03	7.62E-03	1.25E-03	9.32E-04
5544	563363.7	4235113	9.80E-03	1.66E-03	7.91E-03	1.30E-03	9.68E-04
5545	563354.2	4235117	1.02E-02	1.72E-03	8.20E-03	1.34E-03	1.00E-03
5546	563344.8	4235122	1.05E-02	1.78E-03	8.49E-03	1.39E-03	1.04E-03
5547	563335.3	4235126	1.09E-02	1.85E-03	8.78E-03	1.44E-03	1.07E-03
5548	563325.9	4235130	1.12E-02	1.91E-03	9.07E-03	1.49E-03	1.11E-03
5549	563316.4	4235134	1.16E-02	1.97E-03	9.36E-03	1.53E-03	1.15E-03
5550	563306.9	4235138	1.20E-02	2.03E-03	9.66E-03	1.58E-03	1.18E-03
5551	563297.5	4235142	1.23E-02	2.09E-03	9.95E-03	1.63E-03	1.22E-03
5552	563288	4235146	1.27E-02	2.15E-03	1.02E-02	1.68E-03	1.25E-03
5553	563278.6	4235150	1.30E-02	2.21E-03	1.05E-02	1.72E-03	1.28E-03
5554	563264.1	4235153	1.37E-02	2.32E-03	1.11E-02	1.81E-03	1.35E-03
5555	563253.9	4235151	1.44E-02	2.45E-03	1.16E-02	1.91E-03	1.42E-03
5556	563243.8	4235149	1.52E-02	2.57E-03	1.22E-02	2.01E-03	1.50E-03
5557	563233.7	4235147	1.59E-02	2.70E-03	1.28E-02	2.10E-03	1.57E-03
5558	563223.6	4235145	1.66E-02	2.82E-03	1.34E-02	2.20E-03	1.64E-03
5559	563213.5	4235143	1.73E-02	2.94E-03	1.40E-02	2.29E-03	1.71E-03

5560	563203.4	4235141	1.80E-02	3.05E-03	1.45E-02	2.37E-03	1.77E-03
5561	563193.3	4235139	1.85E-02	3.14E-03	1.49E-02	2.45E-03	1.83E-03
5562	563183.2	4235137	1.89E-02	3.21E-03	1.53E-02	2.51E-03	1.87E-03
5563	563173	4235136	1.93E-02	3.28E-03	1.56E-02	2.55E-03	1.91E-03
5564	563162.9	4235134	1.95E-02	3.32E-03	1.58E-02	2.58E-03	1.93E-03
5565	563386.1	4235124	8.50E-03	1.44E-03	6.86E-03	1.12E-03	8.39E-04
5566	563376.5	4235129	8.80E-03	1.49E-03	7.11E-03	1.16E-03	8.70E-04
5567	563367	4235133	9.10E-03	1.54E-03	7.35E-03	1.20E-03	8.99E-04
5568	563357.4	4235137	9.40E-03	1.59E-03	7.59E-03	1.24E-03	9.28E-04
5569	563347.8	4235141	9.70E-03	1.65E-03	7.83E-03	1.28E-03	9.58E-04
5570	563338.3	4235145	1.00E-02	1.70E-03	8.07E-03	1.32E-03	9.87E-04
5571	563328.7	4235149	1.03E-02	1.75E-03	8.33E-03	1.36E-03	1.02E-03
5572	563319.1	4235153	1.06E-02	1.81E-03	8.59E-03	1.41E-03	1.05E-03
5573	563309.5	4235158	1.10E-02	1.86E-03	8.85E-03	1.45E-03	1.08E-03
5574	563300	4235162	1.13E-02	1.91E-03	9.10E-03	1.49E-03	1.11E-03
5575	563290.4	4235166	1.16E-02	1.96E-03	9.34E-03	1.53E-03	1.14E-03
5576	563280.8	4235170	1.19E-02	2.01E-03	9.58E-03	1.57E-03	1.17E-03
5577	563266.1	4235173	1.25E-02	2.12E-03	1.01E-02	1.65E-03	1.23E-03
5578	563255.9	4235171	1.31E-02	2.23E-03	1.06E-02	1.73E-03	1.30E-03
5579	563245.7	4235169	1.38E-02	2.34E-03	1.11E-02	1.82E-03	1.36E-03
5580	563235.4	4235167	1.44E-02	2.44E-03	1.16E-02	1.90E-03	1.42E-03
5581	563225.2	4235165	1.50E-02	2.55E-03	1.21E-02	1.99E-03	1.48E-03
5582	563215	4235163	1.56E-02	2.65E-03	1.26E-02	2.06E-03	1.54E-03
5583	563204.7	4235161	1.62E-02	2.74E-03	1.30E-02	2.14E-03	1.60E-03
5584	563194.5	4235159	1.66E-02	2.82E-03	1.34E-02	2.20E-03	1.64E-03
5585	563184.3	4235157	1.70E-02	2.89E-03	1.38E-02	2.25E-03	1.68E-03
5586	563174	4235155	1.74E-02	2.95E-03	1.40E-02	2.30E-03	1.72E-03
5587	563163.8	4235153	1.76E-02	2.99E-03	1.42E-02	2.33E-03	1.74E-03
5588	563153.6	4235151	1.77E-02	3.01E-03	1.43E-02	2.35E-03	1.75E-03
5589	563399.1	4235140	7.67E-03	1.30E-03	6.20E-03	1.01E-03	7.58E-04
5590	563389.4	4235144	7.93E-03	1.35E-03	6.40E-03	1.05E-03	7.83E-04
5591	563379.7	4235148	8.19E-03	1.39E-03	6.61E-03	1.08E-03	8.09E-04
5592	563370.1	4235152	8.45E-03	1.43E-03	6.82E-03	1.12E-03	8.35E-04
5593	563360.4	4235156	8.72E-03	1.48E-03	7.04E-03	1.15E-03	8.61E-04
5594	563350.7	4235161	8.98E-03	1.52E-03	7.25E-03	1.19E-03	8.87E-04
5595	563341.1	4235165	9.25E-03	1.57E-03	7.47E-03	1.22E-03	9.13E-04
5596	563331.4	4235169	9.52E-03	1.61E-03	7.68E-03	1.26E-03	9.40E-04
5597	563321.7	4235173	9.79E-03	1.66E-03	7.91E-03	1.29E-03	9.67E-04
5598	563312.1	4235177	1.01E-02	1.71E-03	8.12E-03	1.33E-03	9.94E-04
5599	563302.4	4235182	1.03E-02	1.75E-03	8.34E-03	1.37E-03	1.02E-03
5600	563292.7	4235186	1.06E-02	1.80E-03	8.56E-03	1.40E-03	1.05E-03
5601	563283.1	4235190	1.09E-02	1.84E-03	8.76E-03	1.44E-03	1.07E-03
5602	563268.2	4235193	1.14E-02	1.93E-03	9.19E-03	1.51E-03	1.12E-03
5603	563257.9	4235191	1.20E-02	2.03E-03	9.65E-03	1.58E-03	1.18E-03
5604	563247.6	4235189	1.25E-02	2.13E-03	1.01E-02	1.66E-03	1.24E-03
5605	563237.2	4235187	1.31E-02	2.22E-03	1.06E-02	1.73E-03	1.29E-03
5606	563226.9	4235185	1.36E-02	2.31E-03	1.10E-02	1.80E-03	1.35E-03
5607	563216.6	4235183	1.41E-02	2.40E-03	1.14E-02	1.87E-03	1.40E-03
5608	563206.2	4235181	1.46E-02	2.48E-03	1.18E-02	1.93E-03	1.44E-03
5609	563195.9	4235179	1.51E-02	2.56E-03	1.22E-02	1.99E-03	1.49E-03
5610	563185.5	4235177	1.54E-02	2.62E-03	1.25E-02	2.04E-03	1.53E-03
5611	563175.2	4235175	1.58E-02	2.67E-03	1.27E-02	2.08E-03	1.56E-03

5612	563164.9	4235173	1.60E-02	2.71E-03	1.29E-02	2.11E-03	1.58E-03
5613	563154.5	4235171	1.61E-02	2.73E-03	1.30E-02	2.13E-03	1.59E-03
5614	563144.2	4235169	1.62E-02	2.74E-03	1.30E-02	2.14E-03	1.59E-03
5615	563407.9	4235134	7.46E-03	1.27E-03	6.02E-03	9.86E-04	7.37E-04
5616	563412.2	4235155	6.95E-03	1.18E-03	5.62E-03	9.20E-04	6.87E-04
5617	563402.8	4235159	7.17E-03	1.22E-03	5.79E-03	9.48E-04	7.08E-04
5618	563393.4	4235163	7.38E-03	1.25E-03	5.96E-03	9.76E-04	7.29E-04
5619	563384	4235167	7.61E-03	1.29E-03	6.14E-03	1.01E-03	7.51E-04
5620	563374.5	4235171	7.84E-03	1.33E-03	6.33E-03	1.04E-03	7.74E-04
5621	563365.1	4235175	8.07E-03	1.37E-03	6.52E-03	1.07E-03	7.97E-04
5622	563355.7	4235179	8.29E-03	1.41E-03	6.70E-03	1.10E-03	8.19E-04
5623	563346.3	4235183	8.51E-03	1.44E-03	6.87E-03	1.13E-03	8.40E-04
5624	563336.8	4235187	8.73E-03	1.48E-03	7.05E-03	1.15E-03	8.62E-04
5625	563327.4	4235192	8.95E-03	1.52E-03	7.23E-03	1.18E-03	8.84E-04
5626	563318	4235196	9.17E-03	1.56E-03	7.41E-03	1.21E-03	9.06E-04
5627	563308.6	4235200	9.40E-03	1.60E-03	7.59E-03	1.24E-03	9.29E-04
5628	563299.1	4235204	9.63E-03	1.63E-03	7.78E-03	1.27E-03	9.51E-04
5629	563289.7	4235208	9.86E-03	1.67E-03	7.96E-03	1.30E-03	9.73E-04
5630	563280.3	4235212	1.01E-02	1.71E-03	8.14E-03	1.33E-03	9.96E-04
5631	563270.5	4235213	1.04E-02	1.77E-03	8.42E-03	1.38E-03	1.03E-03
5632	563260.4	4235211	1.09E-02	1.85E-03	8.81E-03	1.44E-03	1.08E-03
5633	563250.4	4235209	1.14E-02	1.93E-03	9.20E-03	1.51E-03	1.13E-03
5634	563240.3	4235207	1.19E-02	2.01E-03	9.59E-03	1.57E-03	1.17E-03
5635	563230.2	4235205	1.23E-02	2.10E-03	9.97E-03	1.63E-03	1.22E-03
5636	563220.1	4235203	1.28E-02	2.17E-03	1.03E-02	1.69E-03	1.26E-03
5637	563210	4235201	1.32E-02	2.25E-03	1.07E-02	1.75E-03	1.31E-03
5638	563200	4235199	1.36E-02	2.31E-03	1.10E-02	1.80E-03	1.35E-03
5639	563189.9	4235197	1.40E-02	2.37E-03	1.13E-02	1.85E-03	1.38E-03
5640	563179.8	4235195	1.43E-02	2.42E-03	1.15E-02	1.89E-03	1.41E-03
5641	563169.7	4235193	1.45E-02	2.46E-03	1.17E-02	1.92E-03	1.43E-03
5642	563159.7	4235191	1.47E-02	2.49E-03	1.18E-02	1.94E-03	1.45E-03
5643	563149.6	4235189	1.48E-02	2.50E-03	1.19E-02	1.95E-03	1.46E-03
5644	563139.5	4235187	1.48E-02	2.50E-03	1.19E-02	1.95E-03	1.46E-03
5645	563421	4235149	6.78E-03	1.15E-03	5.48E-03	8.97E-04	6.70E-04
5646	563425.2	4235170	6.33E-03	1.07E-03	5.11E-03	8.38E-04	6.26E-04
5647	563415.7	4235174	6.52E-03	1.11E-03	5.27E-03	8.62E-04	6.44E-04
5648	563406.2	4235178	6.71E-03	1.14E-03	5.41E-03	8.87E-04	6.62E-04
5649	563396.7	4235182	6.89E-03	1.17E-03	5.56E-03	9.11E-04	6.80E-04
5650	563387.1	4235186	7.09E-03	1.20E-03	5.72E-03	9.37E-04	7.00E-04
5651	563377.6	4235191	7.29E-03	1.24E-03	5.89E-03	9.64E-04	7.20E-04
5652	563368.1	4235195	7.49E-03	1.27E-03	6.05E-03	9.91E-04	7.40E-04
5653	563358.6	4235199	7.69E-03	1.30E-03	6.21E-03	1.02E-03	7.59E-04
5654	563349.1	4235203	7.88E-03	1.34E-03	6.36E-03	1.04E-03	7.78E-04
5655	563339.6	4235207	8.07E-03	1.37E-03	6.52E-03	1.07E-03	7.97E-04
5656	563330.1	4235211	8.27E-03	1.40E-03	6.67E-03	1.09E-03	8.16E-04
5657	563320.5	4235215	8.47E-03	1.44E-03	6.84E-03	1.12E-03	8.36E-04
5658	563311	4235219	8.67E-03	1.47E-03	7.00E-03	1.15E-03	8.56E-04
5659	563301.5	4235224	8.88E-03	1.51E-03	7.17E-03	1.17E-03	8.77E-04
5660	563292	4235228	9.09E-03	1.54E-03	7.34E-03	1.20E-03	8.98E-04
5661	563282.5	4235232	9.31E-03	1.58E-03	7.51E-03	1.23E-03	9.19E-04
5662	563272.6	4235233	9.63E-03	1.63E-03	7.78E-03	1.27E-03	9.51E-04
5663	563262.5	4235231	1.01E-02	1.71E-03	8.12E-03	1.33E-03	9.93E-04

5664	563252.3	4235229	1.05E-02	1.78E-03	8.47E-03	1.39E-03	1.04E-03
5665	563242.1	4235227	1.09E-02	1.85E-03	8.81E-03	1.44E-03	1.08E-03
5666	563231.9	4235225	1.13E-02	1.92E-03	9.15E-03	1.50E-03	1.12E-03
5667	563221.7	4235223	1.17E-02	1.99E-03	9.48E-03	1.55E-03	1.16E-03
5668	563211.6	4235221	1.21E-02	2.06E-03	9.79E-03	1.60E-03	1.20E-03
5669	563201.4	4235219	1.25E-02	2.12E-03	1.01E-02	1.65E-03	1.23E-03
5670	563191.2	4235217	1.28E-02	2.17E-03	1.03E-02	1.69E-03	1.26E-03
5671	563181	4235215	1.31E-02	2.22E-03	1.06E-02	1.73E-03	1.29E-03
5672	563170.9	4235213	1.33E-02	2.25E-03	1.07E-02	1.76E-03	1.31E-03
5673	563160.7	4235211	1.34E-02	2.28E-03	1.09E-02	1.78E-03	1.33E-03
5674	563150.5	4235209	1.35E-02	2.30E-03	1.09E-02	1.79E-03	1.34E-03
5675	563140.3	4235207	1.36E-02	2.30E-03	1.09E-02	1.79E-03	1.34E-03
5676	563130.2	4235205	1.35E-02	2.29E-03	1.09E-02	1.79E-03	1.33E-03
5677	563434	4235164	6.18E-03	1.05E-03	4.99E-03	8.18E-04	6.11E-04
5678	563438.2	4235185	5.79E-03	9.83E-04	4.68E-03	7.66E-04	5.72E-04
5679	563428.6	4235189	5.96E-03	1.01E-03	4.81E-03	7.88E-04	5.88E-04
5680	563419	4235193	6.12E-03	1.04E-03	4.94E-03	8.09E-04	6.04E-04
5681	563409.4	4235198	6.28E-03	1.07E-03	5.07E-03	8.30E-04	6.20E-04
5682	563399.8	4235202	6.44E-03	1.09E-03	5.20E-03	8.51E-04	6.36E-04
5683	563390.2	4235206	6.60E-03	1.12E-03	5.33E-03	8.73E-04	6.52E-04
5684	563380.6	4235210	6.79E-03	1.15E-03	5.48E-03	8.98E-04	6.70E-04
5685	563371	4235214	6.97E-03	1.18E-03	5.63E-03	9.22E-04	6.88E-04
5686	563361.4	4235218	7.14E-03	1.21E-03	5.77E-03	9.45E-04	7.06E-04
5687	563351.8	4235223	7.31E-03	1.24E-03	5.90E-03	9.67E-04	7.22E-04
5688	563342.2	4235227	7.48E-03	1.27E-03	6.04E-03	9.90E-04	7.39E-04
5689	563332.6	4235231	7.66E-03	1.30E-03	6.18E-03	1.01E-03	7.56E-04
5690	563323	4235235	7.84E-03	1.33E-03	6.33E-03	1.04E-03	7.74E-04
5691	563313.4	4235239	8.02E-03	1.36E-03	6.48E-03	1.06E-03	7.93E-04
5692	563303.9	4235243	8.22E-03	1.39E-03	6.63E-03	1.09E-03	8.11E-04
5693	563294.3	4235247	8.42E-03	1.43E-03	6.80E-03	1.11E-03	8.31E-04
5694	563284.7	4235252	8.60E-03	1.46E-03	6.95E-03	1.14E-03	8.50E-04
5695	563274.7	4235253	8.89E-03	1.51E-03	7.18E-03	1.18E-03	8.78E-04
5696	563264.5	4235251	9.27E-03	1.57E-03	7.49E-03	1.23E-03	9.16E-04
5697	563254.2	4235249	9.66E-03	1.64E-03	7.80E-03	1.28E-03	9.54E-04
5698	563243.9	4235247	1.00E-02	1.70E-03	8.11E-03	1.33E-03	9.92E-04
5699	563233.7	4235245	1.04E-02	1.77E-03	8.42E-03	1.38E-03	1.03E-03
5700	563223.4	4235243	1.08E-02	1.83E-03	8.72E-03	1.43E-03	1.07E-03
5701	563213.2	4235241	1.11E-02	1.89E-03	9.00E-03	1.47E-03	1.10E-03
5702	563202.9	4235239	1.15E-02	1.95E-03	9.26E-03	1.52E-03	1.13E-03
5703	563192.6	4235237	1.18E-02	2.00E-03	9.50E-03	1.56E-03	1.16E-03
5704	563182.4	4235235	1.20E-02	2.04E-03	9.70E-03	1.59E-03	1.19E-03
5705	563172.1	4235233	1.22E-02	2.07E-03	9.86E-03	1.62E-03	1.21E-03
5706	563161.9	4235231	1.24E-02	2.10E-03	9.98E-03	1.64E-03	1.22E-03
5707	563151.6	4235229	1.25E-02	2.11E-03	1.01E-02	1.65E-03	1.23E-03
5708	563141.3	4235227	1.25E-02	2.11E-03	1.01E-02	1.65E-03	1.23E-03
5709	563131.1	4235225	1.24E-02	2.11E-03	1.00E-02	1.64E-03	1.23E-03
5710	563120.8	4235223	1.23E-02	2.09E-03	9.93E-03	1.63E-03	1.21E-03
5711	563447	4235180	5.66E-03	9.61E-04	4.57E-03	7.49E-04	5.59E-04
5712	563464.3	4235216	4.90E-03	8.31E-04	3.96E-03	6.48E-04	4.84E-04
5713	563454.8	4235220	5.02E-03	8.53E-04	4.06E-03	6.64E-04	4.96E-04
5714	563445.3	4235224	5.15E-03	8.74E-04	4.16E-03	6.81E-04	5.08E-04
5715	563435.9	4235228	5.27E-03	8.94E-04	4.26E-03	6.97E-04	5.21E-04

5716	563426.4	4235232	5.39E-03	9.15E-04	4.35E-03	7.13E-04	5.32E-04
5717	563416.9	4235236	5.52E-03	9.37E-04	4.46E-03	7.30E-04	5.45E-04
5718	563407.4	4235240	5.66E-03	9.61E-04	4.57E-03	7.49E-04	5.59E-04
5719	563397.9	4235244	5.80E-03	9.84E-04	4.68E-03	7.67E-04	5.73E-04
5720	563388.5	4235248	5.92E-03	1.01E-03	4.78E-03	7.83E-04	5.85E-04
5721	563379	4235252	6.05E-03	1.03E-03	4.88E-03	8.00E-04	5.97E-04
5722	563369.5	4235257	6.17E-03	1.05E-03	4.99E-03	8.17E-04	6.10E-04
5723	563360	4235261	6.31E-03	1.07E-03	5.09E-03	8.34E-04	6.23E-04
5724	563350.5	4235265	6.44E-03	1.09E-03	5.20E-03	8.52E-04	6.36E-04
5725	563341.1	4235269	6.58E-03	1.12E-03	5.32E-03	8.71E-04	6.50E-04
5726	563331.6	4235273	6.74E-03	1.14E-03	5.44E-03	8.91E-04	6.65E-04
5727	563322.1	4235277	6.90E-03	1.17E-03	5.57E-03	9.12E-04	6.81E-04
5728	563312.6	4235281	7.05E-03	1.20E-03	5.70E-03	9.33E-04	6.97E-04
5729	563303.1	4235285	7.21E-03	1.22E-03	5.82E-03	9.53E-04	7.12E-04
5730	563293.6	4235289	7.36E-03	1.25E-03	5.94E-03	9.73E-04	7.27E-04
5731	563279.1	4235292	7.67E-03	1.30E-03	6.19E-03	1.01E-03	7.57E-04
5732	563269	4235291	7.97E-03	1.35E-03	6.44E-03	1.05E-03	7.87E-04
5733	563258.8	4235289	8.27E-03	1.40E-03	6.68E-03	1.09E-03	8.17E-04
5734	563248.7	4235287	8.57E-03	1.45E-03	6.92E-03	1.13E-03	8.47E-04
5735	563238.5	4235285	8.87E-03	1.50E-03	7.16E-03	1.17E-03	8.76E-04
5736	563228.4	4235283	9.15E-03	1.55E-03	7.39E-03	1.21E-03	9.04E-04
5737	563218.3	4235281	9.43E-03	1.60E-03	7.61E-03	1.25E-03	9.31E-04
5738	563208.1	4235279	9.68E-03	1.64E-03	7.82E-03	1.28E-03	9.56E-04
5739	563198	4235277	9.91E-03	1.68E-03	8.00E-03	1.31E-03	9.79E-04
5740	563187.8	4235275	1.01E-02	1.72E-03	8.17E-03	1.34E-03	9.99E-04
5741	563177.7	4235273	1.03E-02	1.75E-03	8.31E-03	1.36E-03	1.02E-03
5742	563167.6	4235271	1.04E-02	1.77E-03	8.43E-03	1.38E-03	1.03E-03
5743	563157.4	4235269	1.05E-02	1.79E-03	8.51E-03	1.39E-03	1.04E-03
5744	563147.3	4235267	1.06E-02	1.80E-03	8.56E-03	1.40E-03	1.05E-03
5745	563137.1	4235265	1.06E-02	1.80E-03	8.58E-03	1.41E-03	1.05E-03
5746	563127	4235263	1.06E-02	1.80E-03	8.56E-03	1.40E-03	1.05E-03
5747	563116.9	4235261	1.05E-02	1.79E-03	8.50E-03	1.39E-03	1.04E-03
5748	563106.7	4235259	1.04E-02	1.77E-03	8.41E-03	1.38E-03	1.03E-03
5749	563096.6	4235257	1.03E-02	1.74E-03	8.28E-03	1.36E-03	1.01E-03
5750	563490.3	4235246	4.22E-03	7.16E-04	3.40E-03	5.58E-04	4.16E-04
5751	563480.7	4235250	4.32E-03	7.34E-04	3.49E-03	5.72E-04	4.27E-04
5752	563471.1	4235254	4.43E-03	7.52E-04	3.58E-03	5.86E-04	4.38E-04
5753	563461.5	4235258	4.53E-03	7.69E-04	3.66E-03	6.00E-04	4.48E-04
5754	563451.8	4235263	4.64E-03	7.87E-04	3.74E-03	6.13E-04	4.58E-04
5755	563442.2	4235267	4.74E-03	8.04E-04	3.83E-03	6.27E-04	4.68E-04
5756	563432.6	4235271	4.84E-03	8.21E-04	3.91E-03	6.40E-04	4.78E-04
5757	563423	4235275	4.94E-03	8.38E-04	3.99E-03	6.53E-04	4.88E-04
5758	563413.4	4235279	5.04E-03	8.55E-04	4.07E-03	6.66E-04	4.97E-04
5759	563403.8	4235283	5.14E-03	8.72E-04	4.15E-03	6.80E-04	5.07E-04
5760	563394.2	4235287	5.24E-03	8.90E-04	4.23E-03	6.93E-04	5.18E-04
5761	563384.6	4235292	5.35E-03	9.08E-04	4.32E-03	7.07E-04	5.28E-04
5762	563375	4235296	5.46E-03	9.26E-04	4.41E-03	7.22E-04	5.39E-04
5763	563365.3	4235300	5.58E-03	9.47E-04	4.51E-03	7.38E-04	5.51E-04
5764	563355.7	4235304	5.70E-03	9.67E-04	4.60E-03	7.54E-04	5.63E-04
5765	563346.1	4235308	5.82E-03	9.88E-04	4.70E-03	7.70E-04	5.75E-04
5766	563336.5	4235312	5.94E-03	1.01E-03	4.80E-03	7.86E-04	5.87E-04
5767	563326.9	4235317	6.07E-03	1.03E-03	4.90E-03	8.02E-04	5.99E-04

5768	563317.3	4235321	6.19E-03	1.05E-03	5.00E-03	8.19E-04	6.12E-04
5769	563307.7	4235325	6.32E-03	1.07E-03	5.10E-03	8.35E-04	6.24E-04
5770	563298.1	4235329	6.44E-03	1.09E-03	5.20E-03	8.52E-04	6.36E-04
5771	563283.3	4235332	6.68E-03	1.13E-03	5.39E-03	8.83E-04	6.60E-04
5772	563273	4235330	6.93E-03	1.18E-03	5.59E-03	9.16E-04	6.84E-04
5773	563262.8	4235328	7.19E-03	1.22E-03	5.80E-03	9.50E-04	7.10E-04
5774	563252.5	4235326	7.45E-03	1.26E-03	6.02E-03	9.85E-04	7.36E-04
5775	563242.2	4235324	7.71E-03	1.31E-03	6.22E-03	1.02E-03	7.61E-04
5776	563231.9	4235322	7.94E-03	1.35E-03	6.41E-03	1.05E-03	7.85E-04
5777	563221.7	4235320	8.17E-03	1.39E-03	6.60E-03	1.08E-03	8.07E-04
5778	563211.4	4235318	8.38E-03	1.42E-03	6.77E-03	1.11E-03	8.28E-04
5779	563201.1	4235316	8.58E-03	1.46E-03	6.93E-03	1.13E-03	8.47E-04
5780	563190.8	4235314	8.76E-03	1.49E-03	7.07E-03	1.16E-03	8.65E-04
5781	563180.5	4235312	8.91E-03	1.51E-03	7.20E-03	1.18E-03	8.80E-04
5782	563170.3	4235310	9.04E-03	1.53E-03	7.30E-03	1.20E-03	8.93E-04
5783	563160	4235308	9.14E-03	1.55E-03	7.38E-03	1.21E-03	9.03E-04
5784	563149.7	4235306	9.21E-03	1.56E-03	7.44E-03	1.22E-03	9.10E-04
5785	563139.4	4235304	9.25E-03	1.57E-03	7.47E-03	1.22E-03	9.13E-04
5786	563129.2	4235302	9.25E-03	1.57E-03	7.47E-03	1.22E-03	9.14E-04
5787	563118.9	4235300	9.22E-03	1.56E-03	7.44E-03	1.22E-03	9.11E-04
5788	563108.6	4235298	9.15E-03	1.55E-03	7.39E-03	1.21E-03	9.04E-04
5789	563098.3	4235296	9.05E-03	1.54E-03	7.31E-03	1.20E-03	8.94E-04
5790	563088.1	4235294	8.91E-03	1.51E-03	7.20E-03	1.18E-03	8.80E-04
5791	563077.8	4235292	8.74E-03	1.48E-03	7.06E-03	1.16E-03	8.64E-04
5792	563516.3	4235276	3.71E-03	6.30E-04	3.00E-03	4.91E-04	3.67E-04
5793	563506.6	4235280	3.80E-03	6.45E-04	3.07E-03	5.03E-04	3.76E-04
5794	563496.8	4235285	3.89E-03	6.60E-04	3.14E-03	5.14E-04	3.84E-04
5795	563487.1	4235289	3.97E-03	6.73E-04	3.20E-03	5.24E-04	3.92E-04
5796	563477.4	4235293	4.05E-03	6.86E-04	3.27E-03	5.35E-04	3.99E-04
5797	563467.7	4235297	4.13E-03	7.01E-04	3.33E-03	5.46E-04	4.08E-04
5798	563458	4235302	4.21E-03	7.15E-04	3.40E-03	5.57E-04	4.16E-04
5799	563448.3	4235306	4.30E-03	7.29E-04	3.47E-03	5.69E-04	4.25E-04
5800	563438.5	4235310	4.38E-03	7.44E-04	3.54E-03	5.80E-04	4.33E-04
5801	563428.8	4235314	4.47E-03	7.58E-04	3.61E-03	5.91E-04	4.41E-04
5802	563419.1	4235318	4.56E-03	7.74E-04	3.68E-03	6.03E-04	4.50E-04
5803	563409.4	4235323	4.66E-03	7.90E-04	3.76E-03	6.16E-04	4.60E-04
5804	563399.7	4235327	4.76E-03	8.08E-04	3.84E-03	6.30E-04	4.70E-04
5805	563389.9	4235331	4.85E-03	8.23E-04	3.92E-03	6.42E-04	4.79E-04
5806	563380.2	4235335	4.94E-03	8.39E-04	3.99E-03	6.54E-04	4.88E-04
5807	563370.5	4235339	5.04E-03	8.55E-04	4.07E-03	6.67E-04	4.98E-04
5808	563360.8	4235344	5.14E-03	8.73E-04	4.15E-03	6.80E-04	5.08E-04
5809	563351.1	4235348	5.24E-03	8.89E-04	4.23E-03	6.93E-04	5.17E-04
5810	563341.4	4235352	5.33E-03	9.05E-04	4.30E-03	7.05E-04	5.27E-04
5811	563331.6	4235356	5.42E-03	9.21E-04	4.38E-03	7.17E-04	5.36E-04
5812	563321.9	4235360	5.52E-03	9.36E-04	4.46E-03	7.30E-04	5.45E-04
5813	563312.2	4235365	5.61E-03	9.52E-04	4.53E-03	7.42E-04	5.54E-04
5814	563302.5	4235369	5.71E-03	9.68E-04	4.61E-03	7.55E-04	5.64E-04
5815	563287.6	4235372	5.91E-03	1.00E-03	4.77E-03	7.81E-04	5.83E-04
5816	563277.2	4235370	6.11E-03	1.04E-03	4.94E-03	8.08E-04	6.04E-04
5817	563266.8	4235368	6.32E-03	1.07E-03	5.10E-03	8.36E-04	6.24E-04
5818	563256.4	4235366	6.52E-03	1.11E-03	5.27E-03	8.63E-04	6.44E-04
5819	563246	4235364	6.72E-03	1.14E-03	5.43E-03	8.89E-04	6.64E-04

5820	563235.6	4235362	6.93E-03	1.18E-03	5.60E-03	9.17E-04	6.85E-04
5821	563225.2	4235360	7.14E-03	1.21E-03	5.76E-03	9.44E-04	7.05E-04
5822	563214.8	4235358	7.33E-03	1.24E-03	5.92E-03	9.70E-04	7.24E-04
5823	563204.4	4235356	7.50E-03	1.27E-03	6.06E-03	9.92E-04	7.41E-04
5824	563194	4235354	7.66E-03	1.30E-03	6.18E-03	1.01E-03	7.56E-04
5825	563183.6	4235352	7.79E-03	1.32E-03	6.29E-03	1.03E-03	7.70E-04
5826	563173.2	4235350	7.91E-03	1.34E-03	6.39E-03	1.05E-03	7.81E-04
5827	563162.9	4235348	8.01E-03	1.36E-03	6.47E-03	1.06E-03	7.91E-04
5828	563152.5	4235346	8.08E-03	1.37E-03	6.52E-03	1.07E-03	7.98E-04
5829	563142.1	4235344	8.13E-03	1.38E-03	6.56E-03	1.07E-03	8.03E-04
5830	563131.7	4235342	8.15E-03	1.38E-03	6.58E-03	1.08E-03	8.05E-04
5831	563121.3	4235339	8.14E-03	1.38E-03	6.57E-03	1.08E-03	8.04E-04
5832	563110.9	4235337	8.11E-03	1.38E-03	6.54E-03	1.07E-03	8.00E-04
5833	563100.5	4235335	8.04E-03	1.36E-03	6.49E-03	1.06E-03	7.94E-04
5834	563090.1	4235333	7.95E-03	1.35E-03	6.42E-03	1.05E-03	7.85E-04
5835	563079.7	4235331	7.83E-03	1.33E-03	6.32E-03	1.04E-03	7.73E-04
5836	563069.3	4235329	7.69E-03	1.30E-03	6.21E-03	1.02E-03	7.59E-04
5837	563058.9	4235327	7.52E-03	1.28E-03	6.07E-03	9.95E-04	7.43E-04
5838	563525.2	4235271	3.63E-03	6.16E-04	2.93E-03	4.80E-04	3.59E-04
5839	563542.4	4235307	3.33E-03	5.66E-04	2.69E-03	4.41E-04	3.29E-04
5840	563532.8	4235311	3.42E-03	5.80E-04	2.76E-03	4.52E-04	3.38E-04
5841	563523.1	4235315	3.50E-03	5.94E-04	2.82E-03	4.63E-04	3.46E-04
5842	563513.5	4235319	3.58E-03	6.07E-04	2.89E-03	4.73E-04	3.53E-04
5843	563503.9	4235323	3.63E-03	6.17E-04	2.94E-03	4.81E-04	3.59E-04
5844	563494.3	4235327	3.69E-03	6.26E-04	2.98E-03	4.88E-04	3.64E-04
5845	563484.7	4235332	3.74E-03	6.35E-04	3.02E-03	4.95E-04	3.70E-04
5846	563475	4235336	3.81E-03	6.46E-04	3.07E-03	5.04E-04	3.76E-04
5847	563465.4	4235340	3.87E-03	6.57E-04	3.13E-03	5.12E-04	3.83E-04
5848	563455.8	4235344	3.93E-03	6.68E-04	3.18E-03	5.20E-04	3.89E-04
5849	563446.2	4235348	4.00E-03	6.79E-04	3.23E-03	5.29E-04	3.95E-04
5850	563436.6	4235352	4.07E-03	6.90E-04	3.28E-03	5.38E-04	4.02E-04
5851	563426.9	4235357	4.14E-03	7.02E-04	3.34E-03	5.47E-04	4.08E-04
5852	563417.3	4235361	4.21E-03	7.14E-04	3.40E-03	5.56E-04	4.15E-04
5853	563407.7	4235365	4.28E-03	7.26E-04	3.46E-03	5.66E-04	4.23E-04
5854	563398.1	4235369	4.36E-03	7.39E-04	3.52E-03	5.76E-04	4.30E-04
5855	563388.5	4235373	4.43E-03	7.52E-04	3.58E-03	5.86E-04	4.38E-04
5856	563378.8	4235377	4.51E-03	7.66E-04	3.64E-03	5.97E-04	4.46E-04
5857	563369.2	4235382	4.59E-03	7.79E-04	3.71E-03	6.07E-04	4.53E-04
5858	563359.6	4235386	4.66E-03	7.92E-04	3.77E-03	6.17E-04	4.61E-04
5859	563350	4235390	4.73E-03	8.03E-04	3.82E-03	6.26E-04	4.67E-04
5860	563340.4	4235394	4.80E-03	8.15E-04	3.88E-03	6.35E-04	4.74E-04
5861	563330.7	4235398	4.88E-03	8.28E-04	3.94E-03	6.46E-04	4.82E-04
5862	563321.1	4235402	4.97E-03	8.44E-04	4.01E-03	6.57E-04	4.91E-04
5863	563311.5	4235407	5.06E-03	8.58E-04	4.08E-03	6.69E-04	5.00E-04
5864	563301.9	4235411	5.14E-03	8.73E-04	4.15E-03	6.80E-04	5.08E-04
5865	563291.9	4235412	5.27E-03	8.94E-04	4.25E-03	6.97E-04	5.20E-04
5866	563281.6	4235410	5.44E-03	9.23E-04	4.39E-03	7.19E-04	5.37E-04
5867	563271.3	4235408	5.61E-03	9.51E-04	4.53E-03	7.42E-04	5.54E-04
5868	563261.1	4235406	5.78E-03	9.80E-04	4.66E-03	7.64E-04	5.70E-04
5869	563250.8	4235404	5.94E-03	1.01E-03	4.80E-03	7.86E-04	5.87E-04
5870	563240.5	4235402	6.11E-03	1.04E-03	4.93E-03	8.08E-04	6.03E-04
5871	563230.2	4235400	6.27E-03	1.06E-03	5.07E-03	8.30E-04	6.20E-04

5872	563219.9	4235398	6.44E-03	1.09E-03	5.20E-03	8.51E-04	6.36E-04
5873	563209.6	4235396	6.59E-03	1.12E-03	5.32E-03	8.71E-04	6.51E-04
5874	563199.3	4235394	6.73E-03	1.14E-03	5.43E-03	8.90E-04	6.65E-04
5875	563189	4235392	6.85E-03	1.16E-03	5.53E-03	9.06E-04	6.77E-04
5876	563178.8	4235390	6.96E-03	1.18E-03	5.62E-03	9.21E-04	6.88E-04
5877	563168.5	4235388	7.06E-03	1.20E-03	5.70E-03	9.33E-04	6.97E-04
5878	563158.2	4235386	7.13E-03	1.21E-03	5.76E-03	9.43E-04	7.04E-04
5879	563147.9	4235384	7.19E-03	1.22E-03	5.80E-03	9.50E-04	7.10E-04
5880	563137.6	4235382	7.22E-03	1.23E-03	5.83E-03	9.55E-04	7.13E-04
5881	563127.3	4235380	7.24E-03	1.23E-03	5.85E-03	9.58E-04	7.15E-04
5882	563117	4235378	7.24E-03	1.23E-03	5.84E-03	9.57E-04	7.15E-04
5883	563106.7	4235376	7.21E-03	1.22E-03	5.82E-03	9.53E-04	7.12E-04
5884	563096.4	4235374	7.16E-03	1.21E-03	5.78E-03	9.47E-04	7.07E-04
5885	563086.2	4235372	7.09E-03	1.20E-03	5.72E-03	9.37E-04	7.00E-04
5886	563075.9	4235370	6.99E-03	1.19E-03	5.65E-03	9.25E-04	6.91E-04
5887	563065.6	4235368	6.88E-03	1.17E-03	5.56E-03	9.10E-04	6.80E-04
5888	563055.3	4235366	6.75E-03	1.15E-03	5.45E-03	8.93E-04	6.67E-04
5889	563045	4235364	6.60E-03	1.12E-03	5.33E-03	8.73E-04	6.52E-04
5890	563551.2	4235301	3.27E-03	5.54E-04	2.64E-03	4.32E-04	3.23E-04
5891	563568.4	4235337	3.02E-03	5.12E-04	2.44E-03	3.99E-04	2.98E-04
5892	563558.7	4235341	3.08E-03	5.23E-04	2.49E-03	4.08E-04	3.05E-04
5893	563549	4235345	3.15E-03	5.34E-04	2.54E-03	4.16E-04	3.11E-04
5894	563539.3	4235350	3.21E-03	5.44E-04	2.59E-03	4.24E-04	3.17E-04
5895	563529.5	4235354	3.26E-03	5.54E-04	2.63E-03	4.32E-04	3.22E-04
5896	563519.8	4235358	3.32E-03	5.63E-04	2.68E-03	4.39E-04	3.28E-04
5897	563510.1	4235362	3.37E-03	5.72E-04	2.72E-03	4.46E-04	3.33E-04
5898	563500.4	4235366	3.42E-03	5.81E-04	2.76E-03	4.53E-04	3.38E-04
5899	563490.7	4235371	3.47E-03	5.89E-04	2.80E-03	4.59E-04	3.43E-04
5900	563481	4235375	3.52E-03	5.98E-04	2.84E-03	4.66E-04	3.48E-04
5901	563471.3	4235379	3.56E-03	6.05E-04	2.88E-03	4.71E-04	3.52E-04
5902	563461.6	4235383	3.60E-03	6.11E-04	2.91E-03	4.76E-04	3.56E-04
5903	563451.9	4235387	3.64E-03	6.18E-04	2.94E-03	4.82E-04	3.60E-04
5904	563442.2	4235392	3.70E-03	6.28E-04	2.99E-03	4.89E-04	3.65E-04
5905	563432.4	4235396	3.75E-03	6.37E-04	3.03E-03	4.96E-04	3.71E-04
5906	563422.7	4235400	3.80E-03	6.45E-04	3.07E-03	5.03E-04	3.75E-04
5907	563413	4235404	3.85E-03	6.54E-04	3.11E-03	5.09E-04	3.80E-04
5908	563403.3	4235408	3.91E-03	6.63E-04	3.15E-03	5.16E-04	3.86E-04
5909	563393.6	4235413	3.96E-03	6.72E-04	3.20E-03	5.24E-04	3.91E-04
5910	563383.9	4235417	4.02E-03	6.83E-04	3.25E-03	5.32E-04	3.97E-04
5911	563374.2	4235421	4.10E-03	6.95E-04	3.31E-03	5.42E-04	4.05E-04
5912	563364.5	4235425	4.18E-03	7.09E-04	3.37E-03	5.53E-04	4.13E-04
5913	563354.8	4235429	4.26E-03	7.22E-04	3.44E-03	5.63E-04	4.20E-04
5914	563345.1	4235434	4.33E-03	7.35E-04	3.50E-03	5.73E-04	4.28E-04
5915	563335.3	4235438	4.40E-03	7.47E-04	3.56E-03	5.82E-04	4.35E-04
5916	563325.6	4235442	4.48E-03	7.60E-04	3.62E-03	5.92E-04	4.42E-04
5917	563315.9	4235446	4.55E-03	7.72E-04	3.68E-03	6.02E-04	4.50E-04
5918	563306.2	4235450	4.62E-03	7.85E-04	3.73E-03	6.12E-04	4.57E-04
5919	563296.2	4235452	4.73E-03	8.03E-04	3.82E-03	6.26E-04	4.67E-04
5920	563285.8	4235450	4.88E-03	8.28E-04	3.94E-03	6.45E-04	4.82E-04
5921	563275.4	4235447	5.02E-03	8.52E-04	4.06E-03	6.64E-04	4.96E-04
5922	563265	4235445	5.17E-03	8.77E-04	4.17E-03	6.83E-04	5.10E-04
5923	563254.6	4235443	5.31E-03	9.01E-04	4.29E-03	7.02E-04	5.24E-04

5924	563244.3	4235441	5.45E-03	9.25E-04	4.40E-03	7.21E-04	5.38E-04
5925	563233.9	4235439	5.58E-03	9.48E-04	4.51E-03	7.38E-04	5.51E-04
5926	563223.5	4235437	5.71E-03	9.69E-04	4.61E-03	7.56E-04	5.64E-04
5927	563213.1	4235435	5.84E-03	9.90E-04	4.71E-03	7.72E-04	5.76E-04
5928	563202.7	4235433	5.96E-03	1.01E-03	4.81E-03	7.88E-04	5.88E-04
5929	563192.3	4235431	6.07E-03	1.03E-03	4.90E-03	8.03E-04	6.00E-04
5930	563181.9	4235429	6.18E-03	1.05E-03	4.99E-03	8.17E-04	6.10E-04
5931	563171.6	4235427	6.27E-03	1.06E-03	5.06E-03	8.29E-04	6.19E-04
5932	563161.2	4235425	6.35E-03	1.08E-03	5.13E-03	8.40E-04	6.27E-04
5933	563150.8	4235423	6.41E-03	1.09E-03	5.18E-03	8.48E-04	6.33E-04
5934	563140.4	4235421	6.45E-03	1.10E-03	5.21E-03	8.53E-04	6.37E-04
5935	563130	4235419	6.48E-03	1.10E-03	5.23E-03	8.57E-04	6.40E-04
5936	563119.6	4235417	6.49E-03	1.10E-03	5.24E-03	8.58E-04	6.41E-04
5937	563109.3	4235415	6.48E-03	1.10E-03	5.23E-03	8.57E-04	6.40E-04
5938	563098.9	4235413	6.45E-03	1.09E-03	5.21E-03	8.53E-04	6.37E-04
5939	563088.5	4235411	6.40E-03	1.09E-03	5.17E-03	8.47E-04	6.32E-04
5940	563078.1	4235409	6.34E-03	1.08E-03	5.12E-03	8.38E-04	6.26E-04
5941	563067.7	4235407	6.26E-03	1.06E-03	5.05E-03	8.27E-04	6.18E-04
5942	563057.3	4235405	6.16E-03	1.04E-03	4.97E-03	8.14E-04	6.08E-04
5943	563047	4235403	6.04E-03	1.03E-03	4.88E-03	7.99E-04	5.97E-04
5944	563036.6	4235401	5.92E-03	1.00E-03	4.78E-03	7.83E-04	5.84E-04
5945	563026.2	4235399	5.78E-03	9.81E-04	4.67E-03	7.64E-04	5.71E-04
5946	563594.5	4235367	2.71E-03	4.60E-04	2.19E-03	3.59E-04	2.68E-04
5947	563584.9	4235371	2.76E-03	4.69E-04	2.23E-03	3.66E-04	2.73E-04
5948	563575.2	4235376	2.81E-03	4.78E-04	2.27E-03	3.72E-04	2.78E-04
5949	563565.6	4235380	2.86E-03	4.86E-04	2.31E-03	3.79E-04	2.83E-04
5950	563556	4235384	2.91E-03	4.94E-04	2.35E-03	3.85E-04	2.87E-04
5951	563546.3	4235388	2.95E-03	5.01E-04	2.38E-03	3.91E-04	2.92E-04
5952	563536.7	4235392	3.00E-03	5.09E-04	2.42E-03	3.97E-04	2.96E-04
5953	563527.1	4235396	3.05E-03	5.18E-04	2.46E-03	4.03E-04	3.01E-04
5954	563517.5	4235401	3.10E-03	5.26E-04	2.50E-03	4.10E-04	3.06E-04
5955	563507.8	4235405	3.14E-03	5.33E-04	2.53E-03	4.15E-04	3.10E-04
5956	563498.2	4235409	3.18E-03	5.39E-04	2.57E-03	4.20E-04	3.14E-04
5957	563488.6	4235413	3.21E-03	5.45E-04	2.59E-03	4.25E-04	3.17E-04
5958	563479	4235417	3.25E-03	5.51E-04	2.62E-03	4.29E-04	3.21E-04
5959	563469.3	4235421	3.28E-03	5.56E-04	2.65E-03	4.34E-04	3.24E-04
5960	563459.7	4235426	3.31E-03	5.61E-04	2.67E-03	4.38E-04	3.27E-04
5961	563450.1	4235430	3.34E-03	5.67E-04	2.70E-03	4.42E-04	3.30E-04
5962	563440.4	4235434	3.37E-03	5.73E-04	2.73E-03	4.46E-04	3.33E-04
5963	563430.8	4235438	3.42E-03	5.80E-04	2.76E-03	4.52E-04	3.37E-04
5964	563421.2	4235442	3.47E-03	5.88E-04	2.80E-03	4.58E-04	3.42E-04
5965	563411.6	4235446	3.52E-03	5.98E-04	2.84E-03	4.66E-04	3.48E-04
5966	563401.9	4235451	3.59E-03	6.09E-04	2.90E-03	4.75E-04	3.54E-04
5967	563392.3	4235455	3.66E-03	6.21E-04	2.95E-03	4.84E-04	3.61E-04
5968	563382.7	4235459	3.73E-03	6.32E-04	3.01E-03	4.93E-04	3.68E-04
5969	563373.1	4235463	3.79E-03	6.42E-04	3.06E-03	5.01E-04	3.74E-04
5970	563363.4	4235467	3.84E-03	6.51E-04	3.10E-03	5.08E-04	3.79E-04
5971	563353.8	4235471	3.90E-03	6.62E-04	3.15E-03	5.16E-04	3.85E-04
5972	563344.2	4235476	3.96E-03	6.73E-04	3.20E-03	5.24E-04	3.91E-04
5973	563334.5	4235480	4.03E-03	6.84E-04	3.25E-03	5.33E-04	3.98E-04
5974	563324.9	4235484	4.09E-03	6.95E-04	3.31E-03	5.41E-04	4.04E-04
5975	563315.3	4235488	4.16E-03	7.05E-04	3.36E-03	5.50E-04	4.10E-04

5976	563300.5	4235491	4.28E-03	7.26E-04	3.45E-03	5.66E-04	4.22E-04
5977	563290.2	4235489	4.40E-03	7.47E-04	3.55E-03	5.82E-04	4.35E-04
5978	563279.9	4235487	4.52E-03	7.68E-04	3.65E-03	5.98E-04	4.47E-04
5979	563269.6	4235485	4.65E-03	7.88E-04	3.75E-03	6.14E-04	4.59E-04
5980	563259.3	4235483	4.77E-03	8.09E-04	3.85E-03	6.30E-04	4.71E-04
5981	563249	4235481	4.89E-03	8.29E-04	3.95E-03	6.46E-04	4.83E-04
5982	563238.7	4235479	5.00E-03	8.49E-04	4.04E-03	6.62E-04	4.94E-04
5983	563228.4	4235477	5.11E-03	8.68E-04	4.13E-03	6.76E-04	5.05E-04
5984	563218.2	4235475	5.22E-03	8.86E-04	4.21E-03	6.90E-04	5.16E-04
5985	563207.9	4235473	5.32E-03	9.03E-04	4.30E-03	7.04E-04	5.25E-04
5986	563197.6	4235471	5.41E-03	9.19E-04	4.37E-03	7.16E-04	5.35E-04
5987	563187.3	4235469	5.50E-03	9.33E-04	4.44E-03	7.27E-04	5.43E-04
5988	563177	4235467	5.58E-03	9.47E-04	4.50E-03	7.38E-04	5.51E-04
5989	563166.7	4235465	5.65E-03	9.59E-04	4.56E-03	7.47E-04	5.58E-04
5990	563156.4	4235463	5.72E-03	9.70E-04	4.62E-03	7.56E-04	5.65E-04
5991	563146.1	4235461	5.77E-03	9.80E-04	4.66E-03	7.64E-04	5.70E-04
5992	563135.8	4235459	5.82E-03	9.87E-04	4.70E-03	7.69E-04	5.75E-04
5993	563125.5	4235457	5.85E-03	9.92E-04	4.72E-03	7.73E-04	5.77E-04
5994	563115.2	4235455	5.85E-03	9.93E-04	4.73E-03	7.74E-04	5.78E-04
5995	563104.9	4235453	5.85E-03	9.92E-04	4.72E-03	7.73E-04	5.77E-04
5996	563094.6	4235451	5.82E-03	9.88E-04	4.70E-03	7.70E-04	5.75E-04
5997	563084.3	4235449	5.79E-03	9.82E-04	4.67E-03	7.65E-04	5.72E-04
5998	563074	4235447	5.74E-03	9.73E-04	4.63E-03	7.58E-04	5.66E-04
5999	563063.7	4235445	5.67E-03	9.62E-04	4.58E-03	7.50E-04	5.60E-04
6000	563053.4	4235443	5.59E-03	9.48E-04	4.51E-03	7.39E-04	5.52E-04
6001	563043.1	4235441	5.50E-03	9.33E-04	4.44E-03	7.27E-04	5.43E-04
6002	563032.8	4235439	5.39E-03	9.15E-04	4.35E-03	7.13E-04	5.33E-04
6003	563022.5	4235437	5.28E-03	8.96E-04	4.26E-03	6.98E-04	5.21E-04
6004	563012.2	4235435	5.16E-03	8.75E-04	4.16E-03	6.82E-04	5.09E-04
6005	563002	4235433	5.03E-03	8.53E-04	4.06E-03	6.65E-04	4.96E-04
6006	563620.5	4235398	2.45E-03	4.15E-04	1.98E-03	3.24E-04	2.42E-04
6007	563610.8	4235402	2.50E-03	4.23E-04	2.01E-03	3.30E-04	2.46E-04
6008	563601.1	4235406	2.54E-03	4.31E-04	2.05E-03	3.36E-04	2.51E-04
6009	563591.4	4235410	2.58E-03	4.39E-04	2.09E-03	3.42E-04	2.55E-04
6010	563581.7	4235414	2.63E-03	4.46E-04	2.12E-03	3.47E-04	2.59E-04
6011	563572	4235419	2.67E-03	4.52E-04	2.15E-03	3.53E-04	2.63E-04
6012	563562.3	4235423	2.70E-03	4.59E-04	2.18E-03	3.58E-04	2.67E-04
6013	563552.6	4235427	2.74E-03	4.66E-04	2.22E-03	3.63E-04	2.71E-04
6014	563542.9	4235431	2.78E-03	4.73E-04	2.25E-03	3.68E-04	2.75E-04
6015	563533.2	4235435	2.82E-03	4.79E-04	2.28E-03	3.74E-04	2.79E-04
6016	563523.5	4235440	2.86E-03	4.85E-04	2.31E-03	3.78E-04	2.82E-04
6017	563513.7	4235444	2.88E-03	4.90E-04	2.33E-03	3.82E-04	2.85E-04
6018	563504	4235448	2.91E-03	4.94E-04	2.35E-03	3.85E-04	2.87E-04
6019	563494.3	4235452	2.93E-03	4.98E-04	2.37E-03	3.88E-04	2.90E-04
6020	563484.6	4235456	2.96E-03	5.02E-04	2.39E-03	3.91E-04	2.92E-04
6021	563474.9	4235461	2.98E-03	5.06E-04	2.41E-03	3.94E-04	2.94E-04
6022	563465.2	4235465	3.01E-03	5.11E-04	2.43E-03	3.98E-04	2.97E-04
6023	563455.5	4235469	3.04E-03	5.16E-04	2.46E-03	4.03E-04	3.01E-04
6024	563445.8	4235473	3.09E-03	5.24E-04	2.50E-03	4.09E-04	3.05E-04
6025	563436.1	4235477	3.14E-03	5.33E-04	2.54E-03	4.16E-04	3.10E-04
6026	563426.4	4235482	3.20E-03	5.43E-04	2.58E-03	4.23E-04	3.16E-04
6027	563416.7	4235486	3.26E-03	5.53E-04	2.63E-03	4.31E-04	3.22E-04

6028	563407	4235490	3.32E-03	5.63E-04	2.68E-03	4.38E-04	3.27E-04
6029	563397.3	4235494	3.37E-03	5.72E-04	2.72E-03	4.46E-04	3.33E-04
6030	563387.6	4235498	3.42E-03	5.80E-04	2.76E-03	4.52E-04	3.38E-04
6031	563377.9	4235503	3.46E-03	5.88E-04	2.80E-03	4.58E-04	3.42E-04
6032	563368.2	4235507	3.51E-03	5.95E-04	2.83E-03	4.64E-04	3.46E-04
6033	563358.5	4235511	3.56E-03	6.04E-04	2.87E-03	4.71E-04	3.51E-04
6034	563348.8	4235515	3.62E-03	6.14E-04	2.92E-03	4.78E-04	3.57E-04
6035	563339.1	4235519	3.67E-03	6.23E-04	2.97E-03	4.86E-04	3.63E-04
6036	563329.4	4235524	3.73E-03	6.33E-04	3.01E-03	4.93E-04	3.68E-04
6037	563319.7	4235528	3.78E-03	6.42E-04	3.06E-03	5.00E-04	3.74E-04
6038	563304.8	4235531	3.89E-03	6.60E-04	3.14E-03	5.14E-04	3.84E-04
6039	563294.4	4235529	4.00E-03	6.78E-04	3.23E-03	5.29E-04	3.95E-04
6040	563284	4235527	4.10E-03	6.96E-04	3.31E-03	5.43E-04	4.05E-04
6041	563273.6	4235525	4.21E-03	7.14E-04	3.40E-03	5.57E-04	4.16E-04
6042	563263.3	4235523	4.32E-03	7.32E-04	3.49E-03	5.71E-04	4.26E-04
6043	563252.9	4235521	4.42E-03	7.50E-04	3.57E-03	5.85E-04	4.37E-04
6044	563242.5	4235519	4.52E-03	7.67E-04	3.65E-03	5.98E-04	4.47E-04
6045	563232.1	4235517	4.62E-03	7.84E-04	3.73E-03	6.11E-04	4.56E-04
6046	563221.8	4235515	4.71E-03	8.00E-04	3.81E-03	6.23E-04	4.65E-04
6047	563211.4	4235513	4.80E-03	8.15E-04	3.88E-03	6.35E-04	4.74E-04
6048	563201	4235511	4.89E-03	8.29E-04	3.94E-03	6.46E-04	4.82E-04
6049	563190.6	4235509	4.96E-03	8.42E-04	4.01E-03	6.56E-04	4.90E-04
6050	563180.2	4235507	5.03E-03	8.54E-04	4.06E-03	6.66E-04	4.97E-04
6051	563169.9	4235505	5.09E-03	8.64E-04	4.11E-03	6.74E-04	5.03E-04
6052	563159.5	4235503	5.15E-03	8.74E-04	4.16E-03	6.81E-04	5.08E-04
6053	563149.1	4235501	5.19E-03	8.81E-04	4.19E-03	6.87E-04	5.13E-04
6054	563138.7	4235499	5.23E-03	8.88E-04	4.22E-03	6.92E-04	5.17E-04
6055	563128.4	4235497	5.26E-03	8.93E-04	4.25E-03	6.96E-04	5.20E-04
6056	563118	4235495	5.28E-03	8.96E-04	4.26E-03	6.99E-04	5.22E-04
6057	563107.6	4235493	5.29E-03	8.97E-04	4.27E-03	6.99E-04	5.22E-04
6058	563097.2	4235491	5.28E-03	8.96E-04	4.26E-03	6.98E-04	5.21E-04
6059	563086.8	4235488	5.27E-03	8.93E-04	4.25E-03	6.96E-04	5.20E-04
6060	563076.5	4235486	5.24E-03	8.89E-04	4.23E-03	6.93E-04	5.17E-04
6061	563066.1	4235484	5.20E-03	8.82E-04	4.20E-03	6.88E-04	5.14E-04
6062	563055.7	4235482	5.14E-03	8.72E-04	4.15E-03	6.80E-04	5.08E-04
6063	563045.3	4235480	5.07E-03	8.60E-04	4.09E-03	6.71E-04	5.01E-04
6064	563035	4235478	4.99E-03	8.47E-04	4.03E-03	6.60E-04	4.93E-04
6065	563024.6	4235476	4.90E-03	8.31E-04	3.95E-03	6.48E-04	4.84E-04
6066	563014.2	4235474	4.80E-03	8.14E-04	3.87E-03	6.35E-04	4.74E-04
6067	563003.8	4235472	4.69E-03	7.96E-04	3.79E-03	6.20E-04	4.63E-04
6068	562993.5	4235470	4.58E-03	7.77E-04	3.70E-03	6.06E-04	4.52E-04
6069	562983.1	4235468	4.46E-03	7.57E-04	3.60E-03	5.90E-04	4.41E-04
6070	563629.4	4235392	2.41E-03	4.08E-04	1.94E-03	3.18E-04	2.38E-04
6071	563646.6	4235428	2.22E-03	3.77E-04	1.80E-03	2.94E-04	2.20E-04
6072	563636.9	4235432	2.27E-03	3.85E-04	1.83E-03	3.00E-04	2.24E-04
6073	563627.3	4235436	2.31E-03	3.92E-04	1.86E-03	3.05E-04	2.28E-04
6074	563617.7	4235441	2.34E-03	3.98E-04	1.89E-03	3.10E-04	2.31E-04
6075	563608	4235445	2.37E-03	4.03E-04	1.92E-03	3.14E-04	2.35E-04
6076	563598.4	4235449	2.41E-03	4.08E-04	1.94E-03	3.18E-04	2.38E-04
6077	563588.8	4235453	2.44E-03	4.14E-04	1.97E-03	3.23E-04	2.41E-04
6078	563579.2	4235457	2.48E-03	4.20E-04	2.00E-03	3.27E-04	2.44E-04
6079	563569.5	4235461	2.51E-03	4.26E-04	2.03E-03	3.32E-04	2.48E-04

6080	563559.9	4235466	2.55E-03	4.33E-04	2.06E-03	3.37E-04	2.52E-04
6081	563550.3	4235470	2.58E-03	4.38E-04	2.09E-03	3.42E-04	2.55E-04
6082	563540.6	4235474	2.60E-03	4.42E-04	2.10E-03	3.44E-04	2.57E-04
6083	563531	4235478	2.62E-03	4.45E-04	2.12E-03	3.47E-04	2.59E-04
6084	563521.4	4235482	2.64E-03	4.48E-04	2.13E-03	3.49E-04	2.61E-04
6085	563511.7	4235486	2.66E-03	4.51E-04	2.15E-03	3.52E-04	2.63E-04
6086	563502.1	4235491	2.68E-03	4.54E-04	2.16E-03	3.54E-04	2.64E-04
6087	563492.5	4235495	2.70E-03	4.58E-04	2.18E-03	3.57E-04	2.67E-04
6088	563482.8	4235499	2.73E-03	4.63E-04	2.20E-03	3.61E-04	2.69E-04
6089	563473.2	4235503	2.77E-03	4.69E-04	2.23E-03	3.66E-04	2.73E-04
6090	563463.6	4235507	2.81E-03	4.76E-04	2.27E-03	3.71E-04	2.77E-04
6091	563453.9	4235511	2.85E-03	4.84E-04	2.30E-03	3.77E-04	2.82E-04
6092	563444.3	4235516	2.90E-03	4.91E-04	2.34E-03	3.83E-04	2.86E-04
6093	563434.7	4235520	2.94E-03	4.98E-04	2.37E-03	3.88E-04	2.90E-04
6094	563425	4235524	2.98E-03	5.05E-04	2.41E-03	3.94E-04	2.94E-04
6095	563415.4	4235528	3.02E-03	5.12E-04	2.44E-03	3.99E-04	2.98E-04
6096	563405.8	4235532	3.06E-03	5.19E-04	2.47E-03	4.04E-04	3.02E-04
6097	563396.1	4235536	3.10E-03	5.25E-04	2.50E-03	4.09E-04	3.06E-04
6098	563386.5	4235541	3.14E-03	5.33E-04	2.54E-03	4.16E-04	3.10E-04
6099	563376.9	4235545	3.19E-03	5.42E-04	2.58E-03	4.22E-04	3.15E-04
6100	563367.2	4235549	3.24E-03	5.50E-04	2.62E-03	4.29E-04	3.20E-04
6101	563357.6	4235553	3.29E-03	5.59E-04	2.66E-03	4.36E-04	3.25E-04
6102	563348	4235557	3.34E-03	5.67E-04	2.70E-03	4.42E-04	3.30E-04
6103	563338.3	4235561	3.39E-03	5.76E-04	2.74E-03	4.49E-04	3.35E-04
6104	563328.7	4235566	3.44E-03	5.84E-04	2.78E-03	4.55E-04	3.40E-04
6105	563319.1	4235570	3.49E-03	5.92E-04	2.81E-03	4.61E-04	3.44E-04
6106	563309.1	4235571	3.55E-03	6.03E-04	2.87E-03	4.70E-04	3.51E-04
6107	563298.8	4235569	3.65E-03	6.19E-04	2.94E-03	4.82E-04	3.60E-04
6108	563288.5	4235567	3.74E-03	6.35E-04	3.02E-03	4.95E-04	3.69E-04
6109	563278.2	4235565	3.83E-03	6.50E-04	3.09E-03	5.07E-04	3.78E-04
6110	563267.9	4235563	3.92E-03	6.66E-04	3.17E-03	5.19E-04	3.88E-04
6111	563257.6	4235561	4.01E-03	6.81E-04	3.24E-03	5.31E-04	3.96E-04
6112	563247.3	4235559	4.10E-03	6.96E-04	3.31E-03	5.42E-04	4.05E-04
6113	563237	4235557	4.19E-03	7.11E-04	3.38E-03	5.54E-04	4.14E-04
6114	563226.7	4235555	4.27E-03	7.25E-04	3.45E-03	5.65E-04	4.22E-04
6115	563216.4	4235553	4.35E-03	7.38E-04	3.51E-03	5.75E-04	4.29E-04
6116	563206.1	4235551	4.42E-03	7.51E-04	3.57E-03	5.85E-04	4.37E-04
6117	563195.8	4235549	4.49E-03	7.62E-04	3.63E-03	5.94E-04	4.44E-04
6118	563185.5	4235547	4.56E-03	7.73E-04	3.68E-03	6.03E-04	4.50E-04
6119	563175.2	4235545	4.62E-03	7.83E-04	3.73E-03	6.10E-04	4.56E-04
6120	563164.9	4235543	4.67E-03	7.92E-04	3.77E-03	6.17E-04	4.61E-04
6121	563154.6	4235541	4.71E-03	7.99E-04	3.80E-03	6.23E-04	4.65E-04
6122	563144.3	4235539	4.75E-03	8.06E-04	3.83E-03	6.28E-04	4.69E-04
6123	563134	4235537	4.78E-03	8.10E-04	3.86E-03	6.32E-04	4.72E-04
6124	563123.7	4235535	4.80E-03	8.14E-04	3.87E-03	6.34E-04	4.74E-04
6125	563113.4	4235533	4.81E-03	8.16E-04	3.88E-03	6.36E-04	4.75E-04
6126	563103.1	4235531	4.81E-03	8.16E-04	3.88E-03	6.36E-04	4.75E-04
6127	563092.8	4235529	4.80E-03	8.14E-04	3.87E-03	6.34E-04	4.74E-04
6128	563082.5	4235527	4.78E-03	8.12E-04	3.86E-03	6.33E-04	4.72E-04
6129	563072.2	4235525	4.76E-03	8.08E-04	3.85E-03	6.30E-04	4.70E-04
6130	563061.9	4235523	4.73E-03	8.03E-04	3.82E-03	6.26E-04	4.67E-04
6131	563051.6	4235521	4.69E-03	7.95E-04	3.78E-03	6.20E-04	4.63E-04

6132	563041.3	4235518	4.63E-03	7.86E-04	3.74E-03	6.12E-04	4.57E-04
6133	563031	4235516	4.57E-03	7.75E-04	3.69E-03	6.04E-04	4.51E-04
6134	563020.7	4235514	4.50E-03	7.64E-04	3.63E-03	5.95E-04	4.44E-04
6135	563010.4	4235512	4.42E-03	7.50E-04	3.57E-03	5.85E-04	4.37E-04
6136	563000.1	4235510	4.33E-03	7.35E-04	3.50E-03	5.73E-04	4.28E-04
6137	562989.8	4235508	4.24E-03	7.19E-04	3.42E-03	5.61E-04	4.19E-04
6138	562979.5	4235506	4.14E-03	7.02E-04	3.34E-03	5.47E-04	4.09E-04
6139	562969.2	4235504	4.04E-03	6.85E-04	3.26E-03	5.34E-04	3.99E-04
6140	563655.4	4235422	2.19E-03	3.71E-04	1.76E-03	2.89E-04	2.16E-04
6141	563672.6	4235458	2.03E-03	3.44E-04	1.64E-03	2.68E-04	2.00E-04
6142	563662.9	4235463	2.07E-03	3.51E-04	1.67E-03	2.74E-04	2.04E-04
6143	563653.2	4235467	2.11E-03	3.58E-04	1.70E-03	2.79E-04	2.08E-04
6144	563643.5	4235471	2.14E-03	3.64E-04	1.73E-03	2.84E-04	2.12E-04
6145	563633.8	4235475	2.18E-03	3.70E-04	1.76E-03	2.88E-04	2.15E-04
6146	563624.1	4235479	2.21E-03	3.75E-04	1.78E-03	2.92E-04	2.18E-04
6147	563614.4	4235484	2.24E-03	3.79E-04	1.81E-03	2.96E-04	2.21E-04
6148	563604.7	4235488	2.27E-03	3.84E-04	1.83E-03	3.00E-04	2.24E-04
6149	563595	4235492	2.30E-03	3.90E-04	1.86E-03	3.04E-04	2.27E-04
6150	563585.3	4235496	2.33E-03	3.95E-04	1.88E-03	3.08E-04	2.30E-04
6151	563575.6	4235500	2.35E-03	3.99E-04	1.90E-03	3.11E-04	2.32E-04
6152	563565.9	4235505	2.37E-03	4.02E-04	1.91E-03	3.13E-04	2.34E-04
6153	563556.2	4235509	2.38E-03	4.04E-04	1.92E-03	3.15E-04	2.35E-04
6154	563546.5	4235513	2.39E-03	4.06E-04	1.93E-03	3.16E-04	2.36E-04
6155	563536.8	4235517	2.41E-03	4.09E-04	1.94E-03	3.19E-04	2.38E-04
6156	563527.1	4235521	2.43E-03	4.12E-04	1.96E-03	3.21E-04	2.40E-04
6157	563517.4	4235526	2.45E-03	4.15E-04	1.97E-03	3.23E-04	2.42E-04
6158	563507.7	4235530	2.47E-03	4.20E-04	2.00E-03	3.27E-04	2.44E-04
6159	563498	4235534	2.50E-03	4.25E-04	2.02E-03	3.31E-04	2.47E-04
6160	563488.3	4235538	2.54E-03	4.31E-04	2.05E-03	3.36E-04	2.51E-04
6161	563478.6	4235542	2.58E-03	4.38E-04	2.08E-03	3.41E-04	2.55E-04
6162	563468.9	4235547	2.61E-03	4.44E-04	2.11E-03	3.46E-04	2.58E-04
6163	563459.2	4235551	2.65E-03	4.50E-04	2.14E-03	3.50E-04	2.62E-04
6164	563449.5	4235555	2.68E-03	4.55E-04	2.17E-03	3.55E-04	2.65E-04
6165	563439.8	4235559	2.72E-03	4.61E-04	2.19E-03	3.59E-04	2.68E-04
6166	563430.1	4235563	2.75E-03	4.67E-04	2.22E-03	3.64E-04	2.72E-04
6167	563420.4	4235568	2.79E-03	4.73E-04	2.25E-03	3.68E-04	2.75E-04
6168	563410.7	4235572	2.82E-03	4.79E-04	2.28E-03	3.73E-04	2.79E-04
6169	563401	4235576	2.86E-03	4.85E-04	2.31E-03	3.78E-04	2.82E-04
6170	563391.3	4235580	2.90E-03	4.92E-04	2.34E-03	3.84E-04	2.86E-04
6171	563381.6	4235584	2.94E-03	5.00E-04	2.38E-03	3.89E-04	2.91E-04
6172	563371.9	4235589	2.99E-03	5.07E-04	2.41E-03	3.95E-04	2.95E-04
6173	563362.2	4235593	3.03E-03	5.15E-04	2.45E-03	4.01E-04	3.00E-04
6174	563352.5	4235597	3.08E-03	5.22E-04	2.48E-03	4.07E-04	3.04E-04
6175	563342.8	4235601	3.12E-03	5.29E-04	2.52E-03	4.13E-04	3.08E-04
6176	563333.1	4235605	3.16E-03	5.37E-04	2.55E-03	4.18E-04	3.12E-04
6177	563323.4	4235610	3.20E-03	5.44E-04	2.59E-03	4.24E-04	3.16E-04
6178	563313.4	4235611	3.26E-03	5.54E-04	2.64E-03	4.32E-04	3.22E-04
6179	563303	4235609	3.35E-03	5.68E-04	2.70E-03	4.43E-04	3.31E-04
6180	563292.6	4235607	3.43E-03	5.82E-04	2.77E-03	4.53E-04	3.39E-04
6181	563282.3	4235605	3.51E-03	5.96E-04	2.83E-03	4.64E-04	3.47E-04
6182	563271.9	4235603	3.59E-03	6.09E-04	2.90E-03	4.75E-04	3.55E-04
6183	563261.5	4235600	3.67E-03	6.23E-04	2.96E-03	4.85E-04	3.62E-04

6184	563251.1	4235598	3.75E-03	6.36E-04	3.03E-03	4.96E-04	3.70E-04
6185	563240.8	4235596	3.82E-03	6.49E-04	3.09E-03	5.06E-04	3.78E-04
6186	563230.4	4235594	3.90E-03	6.61E-04	3.15E-03	5.16E-04	3.85E-04
6187	563220	4235592	3.97E-03	6.73E-04	3.20E-03	5.25E-04	3.92E-04
6188	563209.7	4235590	4.04E-03	6.85E-04	3.26E-03	5.34E-04	3.99E-04
6189	563199.3	4235588	4.10E-03	6.96E-04	3.31E-03	5.42E-04	4.05E-04
6190	563188.9	4235586	4.16E-03	7.06E-04	3.36E-03	5.50E-04	4.11E-04
6191	563178.5	4235584	4.21E-03	7.15E-04	3.40E-03	5.57E-04	4.16E-04
6192	563168.2	4235582	4.26E-03	7.23E-04	3.44E-03	5.63E-04	4.21E-04
6193	563157.8	4235580	4.30E-03	7.30E-04	3.47E-03	5.69E-04	4.25E-04
6194	563147.4	4235578	4.34E-03	7.36E-04	3.50E-03	5.74E-04	4.29E-04
6195	563137	4235576	4.37E-03	7.41E-04	3.53E-03	5.78E-04	4.32E-04
6196	563126.7	4235574	4.39E-03	7.45E-04	3.55E-03	5.81E-04	4.34E-04
6197	563116.3	4235572	4.41E-03	7.48E-04	3.56E-03	5.83E-04	4.35E-04
6198	563105.9	4235570	4.41E-03	7.49E-04	3.56E-03	5.84E-04	4.36E-04
6199	563095.6	4235568	4.41E-03	7.49E-04	3.56E-03	5.83E-04	4.36E-04
6200	563085.2	4235566	4.40E-03	7.47E-04	3.55E-03	5.82E-04	4.35E-04
6201	563074.8	4235564	4.38E-03	7.44E-04	3.54E-03	5.79E-04	4.33E-04
6202	563064.4	4235562	4.35E-03	7.39E-04	3.52E-03	5.76E-04	4.30E-04
6203	563054.1	4235560	4.32E-03	7.33E-04	3.49E-03	5.71E-04	4.26E-04
6204	563043.7	4235558	4.27E-03	7.25E-04	3.45E-03	5.65E-04	4.22E-04
6205	563033.3	4235556	4.22E-03	7.16E-04	3.41E-03	5.58E-04	4.17E-04
6206	563022.9	4235554	4.16E-03	7.07E-04	3.36E-03	5.51E-04	4.11E-04
6207	563012.6	4235552	4.11E-03	6.97E-04	3.31E-03	5.43E-04	4.05E-04
6208	563002.2	4235550	4.04E-03	6.86E-04	3.26E-03	5.34E-04	3.99E-04
6209	562991.8	4235548	3.97E-03	6.73E-04	3.20E-03	5.24E-04	3.92E-04
6210	562981.5	4235546	3.88E-03	6.59E-04	3.14E-03	5.14E-04	3.84E-04
6211	562971.1	4235544	3.80E-03	6.44E-04	3.06E-03	5.02E-04	3.75E-04
6212	562960.7	4235542	3.69E-03	6.27E-04	2.98E-03	4.88E-04	3.65E-04
6213	562950.3	4235540	3.59E-03	6.09E-04	2.90E-03	4.74E-04	3.54E-04
6214	563698.7	4235489	1.86E-03	3.15E-04	1.50E-03	2.46E-04	1.84E-04
6215	563689	4235493	1.89E-03	3.21E-04	1.53E-03	2.50E-04	1.87E-04
6216	563679.4	4235497	1.93E-03	3.27E-04	1.56E-03	2.55E-04	1.90E-04
6217	563669.8	4235501	1.96E-03	3.33E-04	1.58E-03	2.59E-04	1.94E-04
6218	563660.1	4235505	1.99E-03	3.38E-04	1.61E-03	2.63E-04	1.97E-04
6219	563650.5	4235510	2.02E-03	3.43E-04	1.63E-03	2.67E-04	2.00E-04
6220	563640.9	4235514	2.05E-03	3.48E-04	1.66E-03	2.71E-04	2.03E-04
6221	563631.2	4235518	2.08E-03	3.53E-04	1.68E-03	2.75E-04	2.06E-04
6222	563621.6	4235522	2.11E-03	3.58E-04	1.71E-03	2.79E-04	2.09E-04
6223	563612	4235526	2.13E-03	3.62E-04	1.72E-03	2.82E-04	2.11E-04
6224	563602.3	4235530	2.15E-03	3.65E-04	1.74E-03	2.84E-04	2.12E-04
6225	563592.7	4235535	2.17E-03	3.68E-04	1.75E-03	2.87E-04	2.14E-04
6226	563583	4235539	2.18E-03	3.70E-04	1.76E-03	2.89E-04	2.15E-04
6227	563573.4	4235543	2.20E-03	3.73E-04	1.77E-03	2.91E-04	2.17E-04
6228	563563.8	4235547	2.21E-03	3.75E-04	1.79E-03	2.92E-04	2.18E-04
6229	563554.1	4235551	2.23E-03	3.78E-04	1.80E-03	2.94E-04	2.20E-04
6230	563544.5	4235555	2.24E-03	3.80E-04	1.81E-03	2.96E-04	2.21E-04
6231	563534.9	4235560	2.27E-03	3.85E-04	1.83E-03	3.00E-04	2.24E-04
6232	563525.2	4235564	2.30E-03	3.90E-04	1.85E-03	3.04E-04	2.27E-04
6233	563515.6	4235568	2.33E-03	3.95E-04	1.88E-03	3.08E-04	2.30E-04
6234	563506	4235572	2.35E-03	3.99E-04	1.90E-03	3.11E-04	2.32E-04
6235	563496.3	4235576	2.37E-03	4.03E-04	1.92E-03	3.14E-04	2.34E-04

6236	563486.7	4235580	2.40E-03	4.07E-04	1.94E-03	3.17E-04	2.37E-04
6237	563477	4235585	2.42E-03	4.11E-04	1.96E-03	3.20E-04	2.39E-04
6238	563467.4	4235589	2.44E-03	4.14E-04	1.97E-03	3.23E-04	2.41E-04
6239	563457.8	4235593	2.46E-03	4.18E-04	1.99E-03	3.26E-04	2.43E-04
6240	563448.1	4235597	2.49E-03	4.23E-04	2.01E-03	3.29E-04	2.46E-04
6241	563438.5	4235601	2.52E-03	4.28E-04	2.04E-03	3.34E-04	2.49E-04
6242	563428.9	4235606	2.56E-03	4.34E-04	2.07E-03	3.38E-04	2.53E-04
6243	563419.2	4235610	2.60E-03	4.41E-04	2.10E-03	3.43E-04	2.56E-04
6244	563409.6	4235614	2.63E-03	4.47E-04	2.13E-03	3.48E-04	2.60E-04
6245	563400	4235618	2.67E-03	4.53E-04	2.16E-03	3.53E-04	2.64E-04
6246	563390.3	4235622	2.71E-03	4.60E-04	2.19E-03	3.58E-04	2.68E-04
6247	563380.7	4235626	2.75E-03	4.66E-04	2.22E-03	3.64E-04	2.72E-04
6248	563371	4235631	2.79E-03	4.73E-04	2.25E-03	3.69E-04	2.75E-04
6249	563361.4	4235635	2.83E-03	4.80E-04	2.28E-03	3.74E-04	2.79E-04
6250	563351.8	4235639	2.87E-03	4.87E-04	2.32E-03	3.80E-04	2.83E-04
6251	563342.1	4235643	2.91E-03	4.94E-04	2.35E-03	3.85E-04	2.88E-04
6252	563332.5	4235647	2.96E-03	5.02E-04	2.39E-03	3.91E-04	2.92E-04
6253	563317.7	4235650	3.03E-03	5.15E-04	2.45E-03	4.01E-04	3.00E-04
6254	563307.4	4235648	3.10E-03	5.27E-04	2.51E-03	4.10E-04	3.07E-04
6255	563297.1	4235646	3.17E-03	5.38E-04	2.56E-03	4.19E-04	3.13E-04
6256	563286.8	4235644	3.23E-03	5.49E-04	2.61E-03	4.28E-04	3.19E-04
6257	563276.5	4235642	3.30E-03	5.60E-04	2.66E-03	4.36E-04	3.26E-04
6258	563266.2	4235640	3.37E-03	5.71E-04	2.72E-03	4.45E-04	3.33E-04
6259	563255.9	4235638	3.44E-03	5.83E-04	2.77E-03	4.54E-04	3.39E-04
6260	563245.6	4235636	3.50E-03	5.94E-04	2.83E-03	4.63E-04	3.46E-04
6261	563235.3	4235634	3.57E-03	6.05E-04	2.88E-03	4.72E-04	3.52E-04
6262	563225	4235632	3.63E-03	6.16E-04	2.93E-03	4.80E-04	3.59E-04
6263	563214.7	4235630	3.69E-03	6.26E-04	2.98E-03	4.88E-04	3.65E-04
6264	563204.4	4235628	3.75E-03	6.36E-04	3.03E-03	4.96E-04	3.70E-04
6265	563194.1	4235626	3.80E-03	6.45E-04	3.07E-03	5.03E-04	3.76E-04
6266	563183.7	4235624	3.85E-03	6.54E-04	3.11E-03	5.10E-04	3.81E-04
6267	563173.4	4235622	3.90E-03	6.62E-04	3.15E-03	5.16E-04	3.85E-04
6268	563163.1	4235620	3.94E-03	6.68E-04	3.18E-03	5.21E-04	3.89E-04
6269	563152.8	4235618	3.98E-03	6.75E-04	3.21E-03	5.26E-04	3.93E-04
6270	563142.5	4235616	4.01E-03	6.80E-04	3.24E-03	5.30E-04	3.96E-04
6271	563132.2	4235614	4.03E-03	6.84E-04	3.26E-03	5.33E-04	3.98E-04
6272	563121.9	4235612	4.05E-03	6.87E-04	3.27E-03	5.36E-04	4.00E-04
6273	563111.6	4235610	4.06E-03	6.90E-04	3.28E-03	5.37E-04	4.01E-04
6274	563101.3	4235608	4.07E-03	6.91E-04	3.29E-03	5.38E-04	4.02E-04
6275	563091	4235606	4.07E-03	6.90E-04	3.28E-03	5.38E-04	4.02E-04
6276	563080.7	4235604	4.06E-03	6.89E-04	3.28E-03	5.37E-04	4.01E-04
6277	563070.4	4235602	4.04E-03	6.86E-04	3.27E-03	5.35E-04	3.99E-04
6278	563060.1	4235600	4.02E-03	6.82E-04	3.25E-03	5.32E-04	3.97E-04
6279	563049.8	4235598	3.99E-03	6.77E-04	3.22E-03	5.28E-04	3.94E-04
6280	563039.5	4235596	3.95E-03	6.71E-04	3.19E-03	5.23E-04	3.90E-04
6281	563029.2	4235594	3.91E-03	6.63E-04	3.15E-03	5.17E-04	3.86E-04
6282	563018.9	4235592	3.85E-03	6.54E-04	3.11E-03	5.10E-04	3.81E-04
6283	563008.6	4235590	3.80E-03	6.44E-04	3.06E-03	5.02E-04	3.75E-04
6284	562998.3	4235588	3.73E-03	6.33E-04	3.01E-03	4.94E-04	3.69E-04
6285	562988	4235586	3.66E-03	6.22E-04	2.96E-03	4.84E-04	3.62E-04
6286	562977.6	4235584	3.59E-03	6.09E-04	2.90E-03	4.75E-04	3.55E-04
6287	562967.3	4235582	3.51E-03	5.96E-04	2.84E-03	4.65E-04	3.47E-04

6288	562957	4235580	3.43E-03	5.83E-04	2.77E-03	4.54E-04	3.39E-04
6289	562946.7	4235578	3.35E-03	5.69E-04	2.71E-03	4.43E-04	3.31E-04
6290	562936.4	4235576	3.27E-03	5.55E-04	2.64E-03	4.33E-04	3.23E-04
6291	562926.1	4235574	3.19E-03	5.41E-04	2.58E-03	4.22E-04	3.15E-04
6292	563380.7	4236267	1.24E-03	2.10E-04	1.00E-03	1.64E-04	1.22E-04
6293	563933	4236125	7.85E-04	1.33E-04	6.34E-04	1.04E-04	7.76E-05
6294	563945.5	4236147	7.66E-04	1.30E-04	6.19E-04	1.01E-04	7.57E-05
6295	563824.5	4236269	7.58E-04	1.29E-04	6.12E-04	1.00E-04	7.48E-05
6296	563855.9	4236253	7.49E-04	1.27E-04	6.05E-04	9.91E-05	7.40E-05
6297	563849.4	4236289	7.32E-04	1.24E-04	5.91E-04	9.68E-05	7.23E-05
6298	563815.6	4236380	6.97E-04	1.18E-04	5.63E-04	9.21E-05	6.88E-05
6299	563835.1	4236350	7.07E-04	1.20E-04	5.71E-04	9.35E-05	6.98E-05
6300	563844.6	4236373	6.87E-04	1.17E-04	5.55E-04	9.09E-05	6.79E-05
6301	563850	4236388	6.75E-04	1.15E-04	5.45E-04	8.93E-05	6.67E-05
6302	563807.8	4236458	6.61E-04	1.12E-04	5.34E-04	8.74E-05	6.53E-05
6303	563812.6	4236488	6.46E-04	1.10E-04	5.21E-04	8.54E-05	6.38E-05
6304	563786.5	4236491	6.55E-04	1.11E-04	5.29E-04	8.66E-05	6.47E-05
6305	563862.8	4236477	6.26E-04	1.06E-04	5.05E-04	8.28E-05	6.18E-05

			T2			T2L3			T3			T4I			T4F		
			2065	563076.51													
					7.33E-07			1.21E-07			5.66E-07			1.00E-07			6.34E-08
			Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total
1	563279	4234944	8.89E-08	7.93E-08	1.68E-07	1.51E-08	1.27E-08	2.78E-08	7.18E-08	5.82E-08	1.30E-07	1.18E-08	1.13E-08	2.30E-08	8.78E-09	5.76E-09	1.45E-08
2	563274.4	4234931	9.91E-08	8.84E-08	1.88E-07	1.68E-08	1.42E-08	3.10E-08	8.01E-08	6.49E-08	1.45E-07	1.31E-08	1.26E-08	2.57E-08	9.79E-09	6.43E-09	1.62E-08
3	563267.1	4234918	1.16E-07	1.03E-07	2.19E-07	1.97E-08	1.66E-08	3.62E-08	9.36E-08	7.58E-08	1.69E-07	1.53E-08	1.47E-08	3.00E-08	1.14E-08	7.51E-09	1.90E-08
4	563287.8	4234940	8.09E-08	7.21E-08	1.53E-07	1.37E-08	1.16E-08	2.53E-08	6.53E-08	5.29E-08	1.18E-07	1.07E-08	1.03E-08	2.10E-08	7.99E-09	5.24E-09	1.32E-08
5	563289.9	4234953	7.58E-08	6.77E-08	1.44E-07	1.29E-08	1.08E-08	2.37E-08	6.12E-08	4.96E-08	1.11E-07	1.00E-08	9.62E-09	1.97E-08	7.49E-09	4.92E-09	1.24E-08
6	563287.7	4234965	7.42E-08	6.62E-08	1.40E-07	1.26E-08	1.06E-08	2.32E-08	5.99E-08	4.86E-08	1.08E-07	9.81E-09	9.42E-09	1.92E-08	7.33E-09	4.81E-09	1.21E-08
7	563281	4234977	7.56E-08	6.75E-08	1.43E-07	1.28E-08	1.08E-08	2.37E-08	6.11E-08	4.95E-08	1.11E-07	1.00E-08	9.60E-09	1.96E-08	7.47E-09	4.90E-09	1.24E-08
8	563283.2	4234926	8.94E-08	7.97E-08	1.69E-07	1.52E-08	1.28E-08	2.79E-08	7.22E-08	5.85E-08	1.31E-07	1.18E-08	1.13E-08	2.32E-08	8.83E-09	5.79E-09	1.46E-08
9	563275.9	4234913	1.03E-07	9.18E-08	1.95E-07	1.75E-08	1.47E-08	3.22E-08	8.31E-08	6.74E-08	1.51E-07	1.36E-08	1.31E-08	2.67E-08	1.02E-08	6.67E-09	1.68E-08
10	563296.6	4234935	7.35E-08	6.56E-08	1.39E-07	1.25E-08	1.05E-08	2.30E-08	5.94E-08	4.81E-08	1.07E-07	9.72E-09	9.33E-09	1.91E-08	7.26E-09	4.77E-09	1.20E-08
11	563298.7	4234948	6.96E-08	6.20E-08	1.32E-07	1.18E-08	9.95E-09	2.17E-08	5.62E-08	4.55E-08	1.02E-07	9.20E-09	8.83E-09	1.80E-08	6.87E-09	4.51E-09	1.14E-08
12	563297.5	4234967	6.64E-08	5.92E-08	1.26E-07	1.13E-08	9.49E-09	2.08E-08	5.36E-08	4.34E-08	9.70E-08	8.78E-09	8.42E-09	1.72E-08	6.55E-09	4.30E-09	1.09E-08
13	563290.8	4234978	6.79E-08	6.06E-08	1.28E-07	1.15E-08	9.71E-09	2.12E-08	5.48E-08	4.44E-08	9.93E-08	8.98E-09	8.62E-09	1.76E-08	6.71E-09	4.40E-09	1.11E-08
14	563291.9	4234921	8.06E-08	7.19E-08	1.52E-07	1.37E-08	1.15E-08	2.52E-08	6.51E-08	5.27E-08	1.18E-07	1.07E-08	1.02E-08	2.09E-08	7.96E-09	5.22E-09	1.32E-08
15	563284.7	4234908	9.18E-08	8.19E-08	1.74E-07	1.56E-08	1.31E-08	2.87E-08	7.41E-08	6.00E-08	1.34E-07	1.21E-08	1.16E-08	2.38E-08	9.06E-09	5.95E-09	1.50E-08
16	563305.4	4234930	6.70E-08	5.98E-08	1.27E-07	1.14E-08	9.58E-09	2.09E-08	5.41E-08	4.38E-08	9.79E-08	8.86E-09	8.50E-09	1.74E-08	6.61E-09	4.34E-09	1.10E-08
17	563307.5	4234943	6.37E-08	5.68E-08	1.21E-07	1.08E-08	9.11E-09	1.99E-08	5.14E-08	4.17E-08	9.31E-08	8.42E-09	8.08E-09	1.65E-08	6.29E-09	4.13E-09	1.04E-08
18	563309.6	4234956	6.05E-08	5.40E-08	1.14E-07	1.03E-08	8.65E-09	1.89E-08	4.88E-08	3.96E-08	8.84E-08	8.00E-09	7.68E-09	1.57E-08	5.98E-09	3.92E-09	9.90E-09
19	563307.3	4234969	5.97E-08	5.32E-08	1.13E-07	1.01E-08	8.53E-09	1.87E-08	4.82E-08	3.90E-08	8.72E-08	7.89E-09	7.57E-09	1.55E-08	5.89E-09	3.87E-09	9.76E-09
20	563300.7	4234980	6.12E-08	5.46E-08	1.16E-07	1.04E-08	8.75E-09	1.91E-08	4.94E-08	4.00E-08	8.95E-08	8.09E-09	7.77E-09	1.59E-08	6.04E-09	3.97E-09	1.00E-08
21	563294	4234992	6.22E-08	5.55E-08	1.18E-07	1.06E-08	8.90E-09	1.95E-08	5.03E-08	4.07E-08	9.10E-08	8.23E-09	7.90E-09	1.61E-08	6.15E-09	4.03E-09	1.02E-08
22	563300.7	4234917	7.28E-08	6.49E-08	1.38E-07	1.23E-08	1.04E-08	2.28E-08	5.88E-08	4.76E-08	1.06E-07	9.63E-09	9.24E-09	1.89E-08	7.19E-09	4.72E-09	1.19E-08
23	563293.5	4234903	8.20E-08	7.32E-08	1.55E-07	1.39E-08	1.17E-08	2.56E-08	6.62E-08	5.37E-08	1.20E-07	1.08E-08	1.04E-08	2.13E-08	8.10E-09	5.32E-09	1.34E-08
24	563314.2	4234925	6.11E-08	5.45E-08	1.16E-07	1.04E-08	8.73E-09	1.91E-08	4.93E-08	4.00E-08	8.93E-08	8.07E-09	7.75E-09	1.58E-08	6.03E-09	3.96E-09	9.99E-09
25	563316.3	4234938	5.83E-08	5.20E-08	1.10E-07	9.90E-09	8.34E-09	1.82E-08	4.71E-08	3.82E-08	8.53E-08	7.71E-09	7.40E-09	1.51E-08	5.76E-09	3.78E-09	9.54E-09
26	563318.4	4234952	5.58E-08	4.98E-08	1.06E-07	9.48E-09	7.99E-09	1.75E-08	4.51E-08	3.65E-08	8.16E-08	7.39E-09	7.09E-09	1.45E-08	5.52E-09	3.62E-09	9.14E-09
27	563317.2	4234970	5.39E-08	4.81E-08	1.02E-07	9.14E-09	7.70E-09	1.68E-08	4.35E-08	3.53E-08	7.88E-08	7.12E-09	6.84E-09	1.40E-08	5.32E-09	3.49E-09	8.81E-09
28	563310.5	4234982	5.54E-08	4.94E-08	1.05E-07	9.40E-09	7.92E-09	1.73E-08	4.47E-08	3.62E-08	8.09E-08	7.32E-09	7.03E-09	1.43E-08	5.47E-09	3.59E-09	9.06E-09
29	563303.9	4234994	5.65E-08	5.04E-08	1.07E-07	9.59E-09	8.08E-09	1.77E-08	4.56E-08	3.70E-08	8.26E-08	7.47E-09	7.17E-09	1.46E-08	5.58E-09	3.66E-09	9.24E-09
30	563309.5	4234912	6.59E-08	5.88E-08	1.25E-07	1.12E-08	9.42E-09	2.06E-08	5.32E-08	4.31E-08	9.63E-08	8.71E-09	8.36E-09	1.71E-08	6.51E-09	4.27E-09	1.08E-08
31	563302.2	4234899	7.36E-08	6.56E-08	1.39E-07	1.25E-08	1.05E-08	2.30E-08	5.94E-08	4.82E-08	1.08E-07	9.73E-09	9.34E-09	1.91E-08	7.27E-09	4.77E-09	1.20E-08
32	563323.1	4234921	5.56E-08	4.96E-08	1.05E-07	9.43E-09	7.95E-09	1.74E-08	4.49E-08	3.64E-08	8.12E-08	7.35E-09	7.05E-09	1.44E-08	5.49E-09	3.60E-09	9.09E-09
33	563325.5	4234936	5.30E-08	4.73E-08	1.00E-07	8.99E-09	7.58E-09	1.66E-08	4.28E-08	3.47E-08	7.75E-08	7.01E-09	6.72E-09	1.37E-08	5.23E-09	3.43E-09	8.67E-09
34	563327.9	4234951	5.08E-08	4.53E-08	9.60E-08	8.61E-09	7.26E-09	1.59E-08	4.10E-08	3.32E-08	7.42E-08	6.71E-09	6.44E-09	1.32E-08	5.01E-09	3.29E-09	8.30E-09
35	563326.5	4234973	4.90E-08	4.37E-08	9.27E-08	8.31E-09	7.00E-09	1.53E-08	3.95E-08	3.20E-08	7.16E-08	6.48E-09	6.21E-09	1.27E-08	4.84E-09	3.17E-09	8.01E-09
36	563318.9	4234986	5.06E-08	4.51E-08	9.57E-08	8.58E-09	7.23E-09	1.58E-08	4.08E-08	3.31E-08	7.39E-08	6.69E-09	6.42E-09	1.31E-08	4.99E-09	3.28E-09	8.27E-09
37	563311.3	4235000	5.18E-08	4.62E-08	9.79E-08	8.78E-09	7.40E-09	1.62E-08	4.18E-08	3.39E-08	7.57E-08	6.84E-09	6.57E-09	1.34E-08	5.11E-09	3.35E-09	8.47E-09
38	563318.3	4234907	5.97E-08	5.33E-08	1.13E-07	1.01E-08	8.54E-09	1.87E-08	4.82E-08	3.91E-08	8.73E-08	7.90E-09	7.58E-09	1.55E-08	5.90E-09	3.87E-09	9.77E-09
39	563311	4234894	6.62E-08	5.91E-08	1.25E-07	1.12E-08	9.47E-09	2.07E-08	5.35E-08	4.33E-08	9.68E-08	8.76E-09	8.41E-09	1.72E-08	6.54E-09	4.29E-09	1.08E-08
40	563331.9	4234916	5.08E-08	4.53E-08	9.62E-08	8.63E-09	7.27E-09	1.59E-08	4.10E-08	3.33E-08	7.43E-08	6.72E-09	6.45E-09	1.32E-08	5.02E-09	3.29E-09	8.31E-09
41	563334.3	4234931	4.88E-08	4.35E-08	9.23E-08	8.28E-09	6.98E-09	1.53E-08	3.94E-08	3.19E-08	7.13E-08	6.45E-09	6.19E-09	1.26E-08	4.82E-09	3.16E-09	7.98E-09
42	563336.6	4234946	4.69E-08	4.19E-08	8.88E-08	7.96E-09	6.71E-09	1.47E-08	3.79E-08	3.07E-08	6.86E-08	6.21E-09	5.95E-09	1.22E-08	4.63E-09	3.04E-09	7.68E-09
43	563339	4234961	4.49E-08	4.01E-08	8.50E-08	7.62E-09	6.42E-09	1.40E-08	3.63E-08	2.94E-08	6.56E-08	5.94E-09	5.70E-09	1.16E-08	4.43E-09	2.91E-09	7.34E-09
44	563336.4	4234975	4.46E-08	3.98E-08	8.44E-08	7.57E-09	6.38E-09	1.39E-08	3.60E-08	2.92E-08	6.52E-08	5.90E-09	5.66E-09	1.16E-08	4.40E-09	2.89E-09	7.29E-09
45	563328.9	4234988	4.61E-08	4.11E-08	8.72E-08	7.82E-09	6.59E-09	1.44E-08	3.72E-08	3.01E-08	6.73E-08	6.09E-09	5.85E-09	1.19E-08	4.55E-09	2.99E-09	7.54E-09
46	563321.5	4235001	4.73E-08	4.22E-08	8.94E-08	8.02E-09	6.76E-09	1.48E-08	3.82E-08	3.09E-08	6.91E-08	6.25E-09	6.00E-09	1.22E-08	4.67E-09	3.06E-09	7.73E-09
47	563314	4235014	4.81E-08	4.29E-08	9.10E-08	8.16E-09	6.88E-09	1.50E-08	3.88E-08	3.15E-08	7.03E-08	6.36E-09	6.10E-09	1.25E-08	4.75E-09	3.12E-09	7.87E-09
48	563327.1	4234902	5.43E-08	4.85E-08	1.03E-07	9.22E-09	7.77E-09	1.70E-08	4.39E-08	3.56E-08	7.94E-08	7.18E-09	6.89E-09	1.41E-08	5.37E-09	3.52E-09	8.89E-09
49	563319.8	4234889	5.98E-08	5.34E-08	1.13E-07	1.02E-08	8.56E-09	1.87E-08	4.83E-08	3.92E-08	8.75E-08	7.91E-09	7.59E-09	1.55E-08	5.91E-09	3.88E-09	9.79E-09
50	563340.7	4234912	4.66E-08	4.15E-08	8.81E-08	7.90E-09	6.66E-09	1.46E-08	3.76E-08	3.05E-08	6.81E-08	6.16E-09	5.91E-09	1.21E-08	4.60E-09	3.02E-09	7.62E-09
51	563343	4234926	4.49E-08	4.01E-08	8.50E-08	7.62E-09	6.43E-09	1.40E-08	3.63E-08	2.94E-08	6.57E-08	5.94E-09	5.70E-09	1.16E-08	4.44E-09	2.91E-09	7.35E-09
52	563345.3	4234941	4.33E-08	3.87E-08	8.20E-08	7.36E-09	6.20E-09	1.36E-08	3.50E-08	2.84E-08	6.34E-08	5.73E-09	5.50E-09	1.12E-08	4.28E-09	2.81E-09	7.09E-09
53	563347.7	4234955	4.19E-08	3.74E-08	7.93E-08	7.11E-09	5.99E-09	1.31E-08	3.38E-08	2.74E-08	6.13E-08	5.54E-09	5.32E-09	1.09E-08	4.14E-09	2.72E-09	6.85E-09
54	563346.3	4234977	4.07E-08	3.63E-08	7.71E-08	6.91E-09	5.83E-09	1.27E-08	3.29E-08	2.67E-08	5.96E-08	5.39E-09	5.17E-09	1.06E-08	4.02E-09	2.64E-09	6.66E-09
55	563338.9	4234989	4.21E-08	3.76E-08	7.97E-08	7.15E-09	6.02E-09	1.32E-08	3.40E-08	2.76E-08	6.16E-08	5.57E-09	5.35E-09	1.09E-08	4.16E-09	2.73E-09	6.89E-09
56	563331.5	4235002	4.33E-08	3.86E-08	8.19E-08	7.34E-09	6.19E-09	1.35E-08	3.49E-08	2.83E-08	6.33E-08	5.72E-09	5.49E-09	1.12E-08	4.27E-09	2.81E-09	7.08E-09
57	563324.1	4235015	4.42E-08	3.94E-08	8.36E-08	7.49E-09	6.32E-09	1.38E-08	3.57E-08	2.89E-08	6.46E-08	5.84E-09	5.60E-09	1.14E-08	4.36E-09	2.86E-09	7.22E-09
58	563335.9	4234898	4.95E-08	4.42E-08	9.37E-08	8.40E-09	7.08E-09	1.55E-08	4.00E-08	3.24E-08	7.24E-08	6.55E-09	6.28E-09	1.28E-08	4.89E-09	3.21E-09	8.10E-09
59	563328.6	4234884	5.42E-08	4.84E-08	1.03E-07	9.20E-09	7.76E-09	1.70E-08	4.38E-08	3.55E-08	7.93E-08	7.17E-09	6.88E-09	1.41E-08	5.36E-09	3.51E-09	8.87E-09
60	563358.2	4234902	3.93E-08	3.51E-08	7.44E-08	6.67E-09	5.62E-09	1.23E-08	3.17E-08	2.57E-08	5.75E-08	5.20E-09	4.99E-09	1.02E-08	3.88E-09	2.55E-09	6.43E-09
61	563360.5	4234916	3.82E-08	3.41E-08	7.23E-08	6.48E-09	5.47E-09	1.20E-08	3.09E-08	2.50E-08	5.59E-08	5.05E-09	4.85E-09	9.90E-09	3.77E-09	2.48E-09	6.25E-09
62	563362.8	4234931	3.71E-08	3.31E-08	7.02E-08	6.30E-09	5.31E-09	1.16E-08	3.00E-08	2.43E-08	5.43E-08	4.91E-09	4.71E-09	9.62E-09	3.67E-09	2.41E-09	6.07E-09
63	563365.1	4234945	3.62E-08	3.23E-08	6.84E-08	6.14E-09	5.17E-09	1.13E-08	2.92E-08	2.37E-08	5.29E-08	4.78E-09	4.59E-09	9.37E-09	3.57E-09	2.34E-09	5.91E-09
64	563367.4	4234959	3.51E-08	3.13E-08	6.65E-08	5.96E-09	5.02E-09	1.10E-08	2.84E-08	2.30E-08	5.14E-08	4.65E-09	4.46E-09	9.10E-09	3.47E-09	2.28E-09	5.75E-09
65	563366	4234980	3.44E-08	3.07E-08	6.51E-08	5.83E-09	4.92E-09	1.08E-08	2.78E-08	2.25E-08	5.03E-08	4.55E-09	4.36E-09	8.91E-09	3.40E-09	2.23E-09	5.62E-09
66	563358.8	4234993	3.56E-08	3.17E-08	6.73E-08	6.03E-09	5.08E-09	1.11E-08	2.87E-08	2.33E-08	5.20E-08	4.70E-09	4.51E-09	9.21E-09	3.51E-09	2.30E-09	5.82E-09
67	563351.5	4235005	3.66E-08	3.27E-08	6.93E-08	6.21E-09	5.23E-09	1.14E-08	2.96E-08	2.40E-08	5.35E-08	4.84E-09	4.64E-09	9.49E-09	3.62E-09	2.37E-09	5.99E-09
68	563344.3	4235018	3.75E-08	3.34E-08	7.09E-08	6.36E-09	5.36E-09	1.17E-08	3.03E-08	2.45E-08	5.48E-08	4.96E-09	4.76E-09	9.72E-09	3.70E-09	2.43E-09	6.13E-09
69	563337	4235030	3.82E-08	3.40E-08	7.22E-08	6.48E-09	5.46E-09	1.19E-08	3.08E-08	2.50E-08	5.58E-08	5.05E-09	4.84E-09	9.89E-09	3.77E-09	2.47E-09	6.24E-09
70	563353.5	4234888	4.15E-08	3.70E-08	7.85E-08	7.04E-09	5.93E-09	1.30E-08	3.35E-08	2.71E-08	6.06E-08	5.48E-09	5.26E-09	1.07E-08	4.10E-09	2.69E-09	6.78E-09
71	563346.2	4234875	4.50E-08	4.01E-08	8.51E-08	7.63E-09	6.43E-09	1.41E-08	3.63E-08	2.94E-08	6.57E-08	5.95E-09	5.71E-09	1.17E-08	4.44E-09	2.91E-09	7.36E-09
72	563375.8	4234892	3.35E-08	2.99E-08	6.33E-08	5.68E-09	4.79E-09	1.05E-08	2.70E-08	2.19E-08	4.89E-08	4.43E-09	4.25E-09	8.68E-09	3.31E-09	2.17E-09	5.48E-09
73	563378.1	4234906	3.27E-08	2.92E-08	6.19E-08	5.55E-09	4.68E-09	1.02E-08	2.64E-08	2.14E-08	4.78E-08	4.32E-09	4.15E-09	8.47E-09	3.23E-09	2.12E-09	5.35E-09
74	563380.3	4234921	3.20E-08	2.85E-08	6.05E-08	5.42E-09	4.57E-09	9.99E-09	2.58E-08	2.09E-08	4.67E-08	4.23E-09	4.06E-09	8.28E-09	3.16E-09	2.07E-09	5.23E-09
75	563382.6	4234935	3.12E-08	2.78E-08	5.90E-08	5.29E-09	4.46E-09	9.76E-09	2.52E-08	2.04E-08	4.56E-08	4.13E-09	3.96E-09	8.08E-09	3.08E-09	2.02E-09	5.10E-09
76	563384.8	4234949	3.05E-08	2.72E-08	5.76E-08	5.17E-09	4.36E-09	9.53E-09	2.46E-08	1.99E-08	4.45E-08	4.03E-09	3.87E-09	7.90E-09	3.01E-09	1.97E-09	4.98E-09
77	563387.1	4234963	2.96E-08	2.64E-08	5.60E-08	5.03E-09	4.24E-09	9.26E-09	2.39E-08	1.94E-08	4.33E-08	3.92E-09	3.76E-09	7.67E-09	2.92E-09	1.92E-09	4.84E-09
78	563385.7	4234984	2.94E-08	2.62E-08	5.56E-08	4.98E-09	4.20E-09	9.19E-09	2.37E-08	1.92E-08	4.29E-08	3.88E-09	3.73E-09	7.61E-09	2.90E-09	1.90E-09	4.81E-09
79	563378.6	4234996	3.04E-08	2.71E-08	5.74E-08	5.15E-09	4.34E-09	9.49E-09	2.45E-08	1.99E-08	4.44E-08	4.01E-09	3.85E-09	7.87E-09	3.00E-09	1.97E-09	4.97E-09
80	563371.4	4235008	3.13E-08	2.79E-08	5.92E-08	5.31E-09	4.47E-09	9.78E-09	2.53E-08	2.05E-08	4.57E-08	4.14E-09	3.97E-09	8.11E-09	3.09E-09	2.03E-09	5.12E-09
81	563364.3	4235021	3.21E-08	2.87E-08	6.08E-08	5.45E-09	4.59E-09	1.00E-08	2.59E-08	2.10E-08	4.70E-08	4.25E-09	4.08E-09	8.32E-09	3.17E-09	2.08E-09	5.25E-09
82	563357.1	4235033	3.28E-08	2.93E-08	6.21E-08	5.57E-09	4.69E-09	1.03E-08	2.65E-08	2.15E-08	4.80E-08	4.34E-09	4.16E-09	8.50E-09	3.24E-09	2.13E-09	5.37E-09
83	563350	4235046	3.33E-08	2.97E-08	6.31E-08	5.66E-09	4.77E-09	1.04E-08	2.69E-08	2.18E-08	4.87E-08	4.41E-09	4.23E-09	8.64E-09	3.29E-09	2.16E-09	5.45E-09
84	563371	4234879	3.51E-08	3.13E-08	6.64E-08	5.96E-09	5.02E-09	1.10E-08	2.83E-08	2.30E-08	5.13E-08	4.64E-09	4.45E-09	9.10E-09	3.47E-09	2.28E-09	5.74E-09
85	563363.8	4234865	3.78E-08	3.37E-08	7.15E-08	6.41E-09	5.40E-09	1.18E-08	3.05E-08	2.47E-08	5.52E-08	5.00E-09	4.79E-09	9.79E-09	3.73E-09	2.45E-09	6.18E-09
86	563393.5	4234883	2.88E-08	2.57E-08	5.44E-08	4.88E-09	4.12E-09	9.00E-09	2.32E-08	1.88E-08	4.21E-08	3.81E-09	3.65E-09	7.46E-09	2.84E-09	1.86E-09	4.71E-09
87	563395.8	4234898	2.81E-08	2.51E-08	5.33E-08	4.78E-09	4.03E-09	8.80E-09	2.27E-08	1.84E-08	4.11E-08	3.72E-09	3.57E-09	7.29E-09	2.78E-09	1.82E-09	4.60E-09

88	563398.2	4234913	2.76E-08	2.46E-08	5.22E-08	4.68E-09	3.94E-09	8.62E-09	2.23E-08	1.80E-08	4.03E-08	3.65E-09	3.50E-09	7.15E-09	2.72E-09	1.79E-09	4.51E-09
89	563400.6	4234928	2.70E-08	2.41E-08	5.11E-08	4.58E-09	3.86E-09	8.45E-09	2.18E-08	1.77E-08	3.95E-08	3.57E-09	3.43E-09	7.00E-09	2.67E-09	1.75E-09	4.42E-09
90	563403	4234943	2.64E-08	2.36E-08	5.00E-08	4.48E-09	3.78E-09	8.26E-09	2.13E-08	1.73E-08	3.86E-08	3.49E-09	3.35E-09	6.85E-09	2.61E-09	1.71E-09	4.32E-09
91	563405.4	4234958	2.58E-08	2.30E-08	4.88E-08	4.37E-09	3.69E-09	8.06E-09	2.08E-08	1.69E-08	3.77E-08	3.41E-09	3.27E-09	6.68E-09	2.55E-09	1.67E-09	4.22E-09
92	563407.8	4234973	2.52E-08	2.24E-08	4.76E-08	4.27E-09	3.60E-09	7.87E-09	2.03E-08	1.65E-08	3.68E-08	3.33E-09	3.19E-09	6.52E-09	2.49E-09	1.63E-09	4.12E-09
93	563405.2	4234988	2.54E-08	2.27E-08	4.81E-08	4.31E-09	3.63E-09	7.94E-09	2.05E-08	1.66E-08	3.71E-08	3.36E-09	3.22E-09	6.58E-09	2.51E-09	1.65E-09	4.16E-09
94	563397.6	4235001	2.63E-08	2.34E-08	4.97E-08	4.46E-09	3.76E-09	8.22E-09	2.12E-08	1.72E-08	3.84E-08	3.48E-09	3.33E-09	6.81E-09	2.60E-09	1.70E-09	4.30E-09
95	563390	4235014	2.71E-08	2.42E-08	5.13E-08	4.60E-09	3.88E-09	8.48E-09	2.19E-08	1.78E-08	3.97E-08	3.59E-09	3.44E-09	7.03E-09	2.68E-09	1.76E-09	4.44E-09
96	563382.4	4235027	2.79E-08	2.49E-08	5.28E-08	4.74E-09	3.99E-09	8.73E-09	2.25E-08	1.83E-08	4.08E-08	3.69E-09	3.54E-09	7.24E-09	2.76E-09	1.81E-09	4.57E-09
97	563374.8	4235040	2.86E-08	2.55E-08	5.42E-08	4.86E-09	4.09E-09	8.95E-09	2.31E-08	1.87E-08	4.18E-08	3.79E-09	3.63E-09	7.42E-09	2.83E-09	1.86E-09	4.68E-09
98	563367.2	4235054	2.92E-08	2.60E-08	5.52E-08	4.95E-09	4.17E-09	9.12E-09	2.36E-08	1.91E-08	4.27E-08	3.86E-09	3.70E-09	7.56E-09	2.88E-09	1.89E-09	4.77E-09
99	563359.6	4235067	2.96E-08	2.64E-08	5.59E-08	5.02E-09	4.23E-09	9.24E-09	2.39E-08	1.93E-08	4.32E-08	3.91E-09	3.75E-09	7.66E-09	2.92E-09	1.92E-09	4.84E-09
100	563388.6	4234869	2.99E-08	2.67E-08	5.66E-08	5.08E-09	4.28E-09	9.35E-09	2.42E-08	1.96E-08	4.37E-08	3.96E-09	3.80E-09	7.75E-09	2.95E-09	1.94E-09	4.89E-09
101	563381.3	4234856	3.18E-08	2.84E-08	6.02E-08	5.39E-09	4.55E-09	9.94E-09	2.57E-08	2.08E-08	4.65E-08	4.20E-09	4.03E-09	8.24E-09	3.14E-09	2.06E-09	5.20E-09
102	563411	4234874	2.50E-08	2.23E-08	4.73E-08	4.24E-09	3.58E-09	7.82E-09	2.02E-08	1.64E-08	3.66E-08	3.31E-09	3.17E-09	6.48E-09	2.47E-09	1.62E-09	4.09E-09
103	563413.4	4234888	2.45E-08	2.19E-08	4.64E-08	4.16E-09	3.51E-09	7.67E-09	1.98E-08	1.60E-08	3.59E-08	3.24E-09	3.11E-09	6.36E-09	2.42E-09	1.59E-09	4.01E-09
104	563415.7	4234903	2.41E-08	2.15E-08	4.56E-08	4.09E-09	3.44E-09	7.53E-09	1.94E-08	1.58E-08	3.52E-08	3.18E-09	3.06E-09	6.24E-09	2.38E-09	1.56E-09	3.94E-09
105	563418.1	4234918	2.37E-08	2.11E-08	4.48E-08	4.02E-09	3.39E-09	7.40E-09	1.91E-08	1.55E-08	3.46E-08	3.13E-09	3.00E-09	6.13E-09	2.34E-09	1.53E-09	3.87E-09
106	563420.4	4234933	2.33E-08	2.08E-08	4.40E-08	3.95E-09	3.33E-09	7.28E-09	1.88E-08	1.52E-08	3.40E-08	3.08E-09	2.95E-09	6.03E-09	2.30E-09	1.51E-09	3.81E-09
107	563422.8	4234948	2.28E-08	2.04E-08	4.32E-08	3.88E-09	3.27E-09	7.14E-09	1.84E-08	1.49E-08	3.34E-08	3.02E-09	2.90E-09	5.92E-09	2.26E-09	1.48E-09	3.74E-09
108	563425.1	4234962	2.24E-08	1.99E-08	4.23E-08	3.79E-09	3.20E-09	6.99E-09	1.81E-08	1.46E-08	3.27E-08	2.96E-09	2.84E-09	5.79E-09	2.21E-09	1.45E-09	3.66E-09
109	563427.5	4234977	2.20E-08	1.96E-08	4.16E-08	3.73E-09	3.14E-09	6.87E-09	1.77E-08	1.44E-08	3.21E-08	2.91E-09	2.79E-09	5.70E-09	2.17E-09	1.42E-09	3.60E-09
110	563424.9	4234991	2.22E-08	1.98E-08	4.19E-08	3.76E-09	3.17E-09	6.93E-09	1.79E-08	1.45E-08	3.24E-08	2.93E-09	2.81E-09	5.74E-09	2.19E-09	1.44E-09	3.62E-09
111	563417.4	4235004	2.29E-08	2.04E-08	4.33E-08	3.88E-09	3.27E-09	7.15E-09	1.85E-08	1.50E-08	3.34E-08	3.03E-09	2.90E-09	5.93E-09	2.26E-09	1.48E-09	3.74E-09
112	563410	4235017	2.36E-08	2.10E-08	4.46E-08	4.00E-09	3.37E-09	7.38E-09	1.90E-08	1.54E-08	3.45E-08	3.12E-09	2.99E-09	6.11E-09	2.33E-09	1.53E-09	3.86E-09
113	563402.5	4235030	2.43E-08	2.17E-08	4.60E-08	4.12E-09	3.47E-09	7.60E-09	1.96E-08	1.59E-08	3.55E-08	3.21E-09	3.08E-09	6.30E-09	2.40E-09	1.57E-09	3.97E-09
114	563395	4235043	2.50E-08	2.23E-08	4.72E-08	4.23E-09	3.57E-09	7.80E-09	2.01E-08	1.63E-08	3.65E-08	3.30E-09	3.17E-09	6.47E-09	2.46E-09	1.62E-09	4.08E-09
115	563387.5	4235056	2.55E-08	2.28E-08	4.83E-08	4.33E-09	3.65E-09	7.98E-09	2.06E-08	1.67E-08	3.73E-08	3.38E-09	3.24E-09	6.61E-09	2.52E-09	1.65E-09	4.17E-09
116	563380.1	4235069	2.60E-08	2.32E-08	4.91E-08	4.41E-09	3.71E-09	8.12E-09	2.10E-08	1.70E-08	3.80E-08	3.43E-09	3.30E-09	6.73E-09	2.56E-09	1.68E-09	4.25E-09
117	563372.6	4235082	2.63E-08	2.35E-08	4.97E-08	4.46E-09	3.76E-09	8.22E-09	2.12E-08	1.72E-08	3.84E-08	3.48E-09	3.34E-09	6.81E-09	2.60E-09	1.70E-09	4.30E-09
118	563406.2	4234859	2.58E-08	2.31E-08	4.89E-08	4.39E-09	3.70E-09	8.08E-09	2.09E-08	1.69E-08	3.78E-08	3.42E-09	3.28E-09	6.70E-09	2.55E-09	1.67E-09	4.23E-09
119	563398.9	4234846	2.71E-08	2.42E-08	5.13E-08	4.60E-09	3.88E-09	8.48E-09	2.19E-08	1.77E-08	3.96E-08	3.59E-09	3.44E-09	7.02E-09	2.68E-09	1.76E-09	4.43E-09
120	563428.6	4234864	2.21E-08	1.97E-08	4.17E-08	3.74E-09	3.15E-09	6.90E-09	1.78E-08	1.44E-08	3.22E-08	2.92E-09	2.80E-09	5.71E-09	2.18E-09	1.43E-09	3.61E-09
121	563430.9	4234879	2.16E-08	1.93E-08	4.09E-08	3.67E-09	3.09E-09	6.75E-09	1.74E-08	1.41E-08	3.16E-08	2.86E-09	2.74E-09	5.60E-09	2.13E-09	1.40E-09	3.53E-09
122	563433.2	4234893	2.12E-08	1.89E-08	4.01E-08	3.60E-09	3.03E-09	6.63E-09	1.71E-08	1.39E-08	3.10E-08	2.81E-09	2.69E-09	5.50E-09	2.09E-09	1.37E-09	3.47E-09
123	563435.5	4234908	2.09E-08	1.86E-08	3.95E-08	3.54E-09	2.99E-09	6.53E-09	1.69E-08	1.37E-08	3.05E-08	2.76E-09	2.65E-09	5.41E-09	2.06E-09	1.35E-09	3.42E-09
124	563437.9	4234922	2.06E-08	1.84E-08	3.90E-08	3.49E-09	2.94E-09	6.44E-09	1.66E-08	1.35E-08	3.01E-08	2.72E-09	2.61E-09	5.34E-09	2.03E-09	1.33E-09	3.37E-09
125	563440.2	4234937	2.03E-08	1.81E-08	3.84E-08	3.44E-09	2.90E-09	6.35E-09	1.64E-08	1.33E-08	2.97E-08	2.68E-09	2.57E-09	5.26E-09	2.00E-09	1.32E-09	3.32E-09
126	563442.5	4234952	2.00E-08	1.78E-08	3.78E-08	3.39E-09	2.86E-09	6.24E-09	1.61E-08	1.31E-08	2.92E-08	2.64E-09	2.53E-09	5.17E-09	1.97E-09	1.29E-09	3.27E-09
127	563444.8	4234966	1.96E-08	1.75E-08	3.71E-08	3.33E-09	2.80E-09	6.13E-09	1.58E-08	1.28E-08	2.86E-08	2.59E-09	2.49E-09	5.08E-09	1.94E-09	1.27E-09	3.21E-09
128	563447.2	4234981	1.94E-08	1.73E-08	3.67E-08	3.29E-09	2.77E-09	6.07E-09	1.57E-08	1.27E-08	2.84E-08	2.57E-09	2.46E-09	5.03E-09	1.92E-09	1.26E-09	3.17E-09
129	563444.6	4234995	1.95E-08	1.74E-08	3.69E-08	3.31E-09	2.79E-09	6.10E-09	1.57E-08	1.28E-08	2.85E-08	2.58E-09	2.48E-09	5.05E-09	1.93E-09	1.26E-09	3.19E-09
130	563437.3	4235007	2.01E-08	1.79E-08	3.80E-08	3.41E-09	2.87E-09	6.28E-09	1.62E-08	1.31E-08	2.94E-08	2.66E-09	2.55E-09	5.21E-09	1.98E-09	1.30E-09	3.29E-09
131	563429.9	4235020	2.07E-08	1.85E-08	3.91E-08	3.51E-09	2.96E-09	6.47E-09	1.67E-08	1.35E-08	3.02E-08	2.74E-09	2.62E-09	5.36E-09	2.04E-09	1.34E-09	3.38E-09
132	563422.5	4235033	2.13E-08	1.90E-08	4.03E-08	3.61E-09	3.04E-09	6.66E-09	1.72E-08	1.39E-08	3.11E-08	2.82E-09	2.70E-09	5.52E-09	2.10E-09	1.38E-09	3.48E-09
133	563415.1	4235046	2.19E-08	1.95E-08	4.14E-08	3.71E-09	3.13E-09	6.84E-09	1.77E-08	1.43E-08	3.20E-08	2.89E-09	2.78E-09	5.67E-09	2.16E-09	1.42E-09	3.58E-09
134	563407.7	4235059	2.24E-08	2.00E-08	4.25E-08	3.81E-09	3.21E-09	7.02E-09	1.81E-08	1.47E-08	3.28E-08	2.97E-09	2.85E-09	5.82E-09	2.22E-09	1.45E-09	3.67E-09
135	563400.3	4235072	2.29E-08	2.04E-08	4.34E-08	3.89E-09	3.28E-09	7.16E-09	1.85E-08	1.50E-08	3.35E-08	3.03E-09	2.91E-09	5.94E-09	2.26E-09	1.48E-09	3.75E-09
136	563393	4235085	2.33E-08	2.08E-08	4.41E-08	3.95E-09	3.33E-09	7.28E-09	1.88E-08	1.52E-08	3.40E-08	3.08E-09	2.95E-09	6.03E-09	2.30E-09	1.51E-09	3.81E-09
137	563385.6	4235097	2.35E-08	2.10E-08	4.46E-08	4.00E-09	3.37E-09	7.36E-09	1.90E-08	1.54E-08	3.44E-08	3.11E-09	2.99E-09	6.10E-09	2.33E-09	1.53E-09	3.85E-09
138	563423.8	4234850	2.29E-08	2.05E-08	4.34E-08	3.89E-09	3.28E-09	7.18E-09	1.85E-08	1.50E-08	3.35E-08	3.03E-09	2.91E-09	5.95E-09	2.27E-09	1.49E-09	3.75E-09
139	563416.5	4234836	2.39E-08	2.13E-08	4.52E-08	4.06E-09	3.42E-09	7.48E-09	1.93E-08	1.56E-08	3.50E-08	3.16E-09	3.03E-09	6.20E-09	2.36E-09	1.55E-09	3.91E-09
140	563446.1	4234854	1.97E-08	1.75E-08	3.72E-08	3.34E-09	2.81E-09	6.15E-09	1.59E-08	1.29E-08	2.87E-08	2.60E-09	2.49E-09	5.09E-09	1.94E-09	1.27E-09	3.22E-09
141	563448.4	4234869	1.92E-08	1.72E-08	3.64E-08	3.27E-09	2.75E-09	6.02E-09	1.55E-08	1.26E-08	2.81E-08	2.54E-09	2.44E-09	4.99E-09	1.90E-09	1.25E-09	3.15E-09
142	563450.7	4234883	1.89E-08	1.68E-08	3.57E-08	3.20E-09	2.70E-09	5.90E-09	1.52E-08	1.24E-08	2.76E-08	2.50E-09	2.40E-09	4.89E-09	1.86E-09	1.22E-09	3.09E-09
143	563453	4234898	1.86E-08	1.66E-08	3.52E-08	3.15E-09	2.66E-09	5.81E-09	1.50E-08	1.22E-08	2.72E-08	2.46E-09	2.36E-09	4.82E-09	1.84E-09	1.20E-09	3.04E-09
144	563455.3	4234912	1.83E-08	1.64E-08	3.47E-08	3.11E-09	2.62E-09	5.73E-09	1.48E-08	1.20E-08	2.68E-08	2.43E-09	2.33E-09	4.75E-09	1.81E-09	1.19E-09	3.00E-09
145	563457.6	4234927	1.82E-08	1.62E-08	3.44E-08	3.08E-09	2.60E-09	5.68E-09	1.47E-08	1.19E-08	2.66E-08	2.40E-09	2.30E-09	4.71E-09	1.79E-09	1.18E-09	2.97E-09
146	563459.9	4234941	1.80E-08	1.61E-08	3.41E-08	3.06E-09	2.57E-09	5.63E-09	1.45E-08	1.18E-08	2.63E-08	2.38E-09	2.28E-09	4.67E-09	1.78E-09	1.17E-09	2.95E-09
147	563462.2	4234956	1.78E-08	1.59E-08	3.37E-08	3.02E-09	2.54E-09	5.56E-09	1.44E-08	1.16E-08	2.60E-08	2.35E-09	2.26E-09	4.61E-09	1.76E-09	1.15E-09	2.91E-09
148	563464.5	4234970	1.76E-08	1.57E-08	3.33E-08	2.98E-09	2.51E-09	5.50E-09	1.42E-08	1.15E-08	2.57E-08	2.32E-09	2.23E-09	4.55E-09	1.74E-09	1.14E-09	2.87E-09
149	563466.8	4234985	1.73E-08	1.54E-08	3.27E-08	2.93E-09	2.47E-09	5.40E-09	1.40E-08	1.13E-08	2.53E-08	2.28E-09	2.19E-09	4.48E-09	1.71E-09	1.12E-09	2.83E-09
150	563464.3	4234998	1.73E-08	1.54E-08	3.28E-08	2.94E-09	2.48E-09	5.41E-09	1.40E-08	1.13E-08	2.53E-08	2.29E-09	2.20E-09	4.49E-09	1.71E-09	1.12E-09	2.83E-09
151	563457	4235011	1.78E-08	1.59E-08	3.37E-08	3.02E-09	2.55E-09	5.56E-09	1.44E-08	1.16E-08	2.60E-08	2.35E-09	2.26E-09	4.61E-09	1.76E-09	1.15E-09	2.91E-09
152	563449.7	4235024	1.83E-08	1.63E-08	3.46E-08	3.10E-09	2.61E-09	5.72E-09	1.48E-08	1.20E-08	2.67E-08	2.42E-09	2.32E-09	4.74E-09	1.81E-09	1.18E-09	2.99E-09
153	563442.4	4235036	1.88E-08	1.68E-08	3.56E-08	3.19E-09	2.69E-09	5.88E-09	1.52E-08	1.23E-08	2.75E-08	2.48E-09	2.38E-09	4.87E-09	1.86E-09	1.22E-09	3.07E-09
154	563435.1	4235049	1.93E-08	1.72E-08	3.65E-08	3.28E-09	2.76E-09	6.04E-09	1.56E-08	1.26E-08	2.82E-08	2.55E-09	2.45E-09	5.01E-09	1.91E-09	1.25E-09	3.16E-09
155	563427.8	4235062	1.98E-08	1.77E-08	3.75E-08	3.36E-09	2.84E-09	6.20E-09	1.60E-08	1.30E-08	2.90E-08	2.62E-09	2.52E-09	5.14E-09	1.96E-09	1.29E-09	3.24E-09
156	563420.5	4235074	2.03E-08	1.81E-08	3.84E-08	3.44E-09	2.90E-09	6.35E-09	1.64E-08	1.33E-08	2.97E-08	2.68E-09	2.58E-09	5.26E-09	2.00E-09	1.32E-09	3.32E-09
157	563413.2	4235087	2.07E-08	1.85E-08	3.92E-08	3.51E-09	2.96E-09	6.47E-09	1.67E-08	1.35E-08	3.03E-08	2.74E-09	2.63E-09	5.36E-09	2.04E-09	1.34E-09	3.39E-09
158	563405.9	4235100	2.10E-08	1.87E-08	3.98E-08	3.57E-09	3.00E-09	6.57E-09	1.70E-08	1.38E-08	3.07E-08	2.78E-09	2.67E-09	5.44E-09	2.08E-09	1.36E-09	3.44E-09
159	563398.6	4235113	2.12E-08	1.89E-08	4.02E-08	3.60E-09	3.04E-09	6.64E-09	1.71E-08	1.39E-08	3.10E-08	2.81E-09	2.69E-09	5.50E-09	2.10E-09	1.38E-09	3.47E-09
160	563441.4	4234840	2.03E-08	1.81E-08	3.84E-08	3.44E-09	2.90E-09	6.34E-09	1.64E-08	1.33E-08	2.96E-08	2.68E-09	2.57E-09	5.25E-09	2.00E-09	1.31E-09	3.32E-09
161	563434.1	4234827	2.11E-08	1.88E-08	3.99E-08	3.58E-09	3.02E-09	6.59E-09	1.70E-08	1.38E-08	3.08E-08	2.79E-09	2.68E-09	5.46E-09	2.08E-09	1.37E-09	3.45E-09
162	563463.8	4234845	1.77E-08	1.58E-08	3.35E-08	3.00E-09	2.53E-09	5.53E-09	1.43E-08	1.16E-08	2.59E-08	2.34E-09	2.25E-09	4.59E-09	1.75E-09	1.15E-09	2.90E-09
163	563466.2	4234860	1.73E-08	1.54E-08	3.28E-08	2.94E-09	2.48E-09	5.41E-09	1.40E-08	1.13E-08	2.53E-08	2.29E-09	2.20E-09	4.49E-09	1.71E-09	1.12E-09	2.83E-09
164	563468.5	4234875	1.70E-08	1.51E-08	3.21E-08	2.88E-09	2.42E-09	5.30E-09	1.37E-08	1.11E-08	2.48E-08	2.24E-09	2.15E-09	4.39E-09	1.67E-09	1.10E-09	2.77E-09
165	563470.9	4234890	1.67E-08	1.49E-08	3.15E-08	2.83E-09	2.38E-09	5.21E-09	1.34E-08	1.09E-08	2.43E-08	2.20E-09	2.11E-09	4.32E-09	1.64E-09	1.08E-09	2.72E-09
166	563473.3	4234905	1.64E-08	1.46E-08	3.11E-08	2.79E-09	2.35E-09	5.13E-09	1.33E-08	1.07E-08	2.40E-08	2.17E-09	2.08E-09	4.26E-09	1.62E-09	1.06E-09	2.69E-09
167	563475.7	4234920	1.64E-08	1.47E-08	3.11E-08	2.79E-09	2.35E-09	5.14E-09	1.33E-08	1.08E-08	2.40E-08	2.17E-09	2.08E-09	4.26E-09	1.62E-09	1.06E-09	2.69E-09
168	563478.1	4234935	1.64E-08	1.47E-08	3.11E-08	2.79E-09	2.35E-09	5.14E-09	1.33E-08	1.07E-08	2.40E-08	2.17E-09	2.08E-09	4.26E-09	1.62E-09	1.06E-09	2.69E-09
169	563480.5	4234950	1.62E-08	1.45E-08	3.07E-08	2.75E-09	2.32E-09	5.07E-09	1.31E-08	1.06E-08	2.37E-08	2.14E-09	2.06E-09	4.20E-09	1.60E-09	1.05E-09	2.65E-09
170	563482.9	4234965	1.60E-08	1.42E-08	3.02E-08	2.71E-09	2.28E-09	4.99E-09	1.29E-08	1.04E-08	2.33E-08	2.11E-09	2.03E-09	4.14E-09	1.58E-09	1.03E-09	2.61E-09
171	563485.3	4234980	1.57E-08	1.40E-08	2.96E-08	2.66E-09	2.24E-09	4.90E-09	1.26E-08	1.02E-08	2.29E-08	2.07E-09	1.99E-09	4.06E-09	1.55E-09	1.01E-09	2.56E-09
172	563483.9	4235002	1.55E-08	1.38E-08	2.93E-08	2.63E-09	2.22E-09	4.85E-09	1.25E-08	1.01E-08	2.27E-08	2.05E-09	1.97E-09	4.02E-09	1.53E-09	1.00E-09	2.54E-09
173	563476.3	4235015	1.59E-08	1.42E-08	3.01E-08	2.70E-09	2.28E-09	4.98E-09	1.28E-08	1.04E-08	2.33E-08	2.10E-09	2.02E-09	4.12E-09	1.57E-09	1.03E-09	2.60E-09
174	563468.7	4235028	1.63E-08	1.46E-08	3.09E-08	2.77E-09	2.33E-09	5.10E-09	1.32E-08	1.07E-08	2.39E-08	2.16E-09	2.07E-09	4.23E-09	1.61E-09	1.06E-09	2.67E-09
175	563461.1	4235042	1.68E-08	1.50E-08	3.17E-08	2.85E-09	2.40E-09	5.24E-09	1.35E-08	1.10E-08	2.45E-08	2.22E-09	2.13E-09	4.35E-09	1.66E-09	1.09E-09	2.74E-09
176	563453.5	4235055	1.72E-08	1.54E-08	3.26E-08	2.93E-09	2.47E-09	5.39E-09	1.39E-08	1.13E-08	2.52E-08	2.28E-09	2.19E-09	4.47E-09	1.70E-09	1.12E-09	2.82E-09
177	563445.9	4235068	1.77E-08	1.58E-08	3.35E-08	3.01E-09	2.54E-09	5.54E-09	1.43E-08	1.16E-08	2.59E-08	2.34E-09	2.25E-09	4.59E-09	1.75E-09	1.15E-09	2.90E-09
178	563438.3	4235081	1.82E-08	1.62E-08	3.44E-08	3.09E-09	2.60E-09	5.69E-09	1.47E-08	1.19E-08	2.66E-08	2.41E-09	2.31E-09	4.71E-09	1.80E-09	1.18E-09	2.98E-09

179	563430.7	4235095	1.86E-08	1.66E-08	3.52E-08	3.15E-09	2.66E-09	5.81E-09	1.50E-08	1.22E-08	2.72E-08	2.46E-09	2.36E-09	4.82E-09	1.84E-09	1.20E-09	3.04E-09
180	563423.1	4235108	1.89E-08	1.68E-08	3.57E-08	3.20E-09	2.70E-09	5.90E-09	1.52E-08	1.24E-08	2.76E-08	2.50E-09	2.39E-09	4.89E-09	1.86E-09	1.22E-09	3.09E-09
181	563415.5	4235121	1.91E-08	1.70E-08	3.62E-08	3.24E-09	2.73E-09	5.97E-09	1.54E-08	1.25E-08	2.79E-08	2.53E-09	2.42E-09	4.95E-09	1.89E-09	1.24E-09	3.13E-09
182	563458.9	4234831	1.81E-08	1.62E-08	3.43E-08	3.07E-09	2.59E-09	5.66E-09	1.46E-08	1.19E-08	2.65E-08	2.39E-09	2.30E-09	4.69E-09	1.79E-09	1.17E-09	2.96E-09
183	563451.7	4234817	1.87E-08	1.67E-08	3.54E-08	3.17E-09	2.68E-09	5.85E-09	1.51E-08	1.22E-08	2.73E-08	2.47E-09	2.37E-09	4.85E-09	1.85E-09	1.21E-09	3.06E-09
184	563481.3	4234835	1.61E-08	1.44E-08	3.05E-08	2.74E-09	2.31E-09	5.04E-09	1.30E-08	1.05E-08	2.36E-08	2.13E-09	2.05E-09	4.18E-09	1.59E-09	1.04E-09	2.64E-09
185	563483.7	4234850	1.58E-08	1.41E-08	2.98E-08	2.67E-09	2.25E-09	4.93E-09	1.27E-08	1.03E-08	2.30E-08	2.08E-09	2.00E-09	4.08E-09	1.56E-09	1.02E-09	2.58E-09
186	563486.1	4234865	1.54E-08	1.38E-08	2.92E-08	2.62E-09	2.20E-09	4.82E-09	1.24E-08	1.01E-08	2.25E-08	2.04E-09	1.96E-09	3.99E-09	1.52E-09	9.99E-10	2.52E-09
187	563488.4	4234880	1.51E-08	1.35E-08	2.86E-08	2.57E-09	2.16E-09	4.73E-09	1.22E-08	9.90E-09	2.21E-08	2.00E-09	1.92E-09	3.92E-09	1.49E-09	9.80E-10	2.47E-09
188	563490.8	4234895	1.50E-08	1.34E-08	2.83E-08	2.54E-09	2.14E-09	4.68E-09	1.21E-08	9.79E-09	2.19E-08	1.98E-09	1.90E-09	3.88E-09	1.48E-09	9.70E-10	2.45E-09
189	563493.1	4234910	1.49E-08	1.33E-08	2.83E-08	2.53E-09	2.14E-09	4.67E-09	1.21E-08	9.78E-09	2.18E-08	1.98E-09	1.90E-09	3.87E-09	1.48E-09	9.68E-10	2.44E-09
190	563495.5	4234925	1.49E-08	1.33E-08	2.82E-08	2.53E-09	2.13E-09	4.67E-09	1.20E-08	9.76E-09	2.18E-08	1.97E-09	1.89E-09	3.87E-09	1.47E-09	9.67E-10	2.44E-09
191	563497.9	4234940	1.48E-08	1.32E-08	2.79E-08	2.51E-09	2.11E-09	4.62E-09	1.19E-08	9.67E-09	2.16E-08	1.95E-09	1.87E-09	3.83E-09	1.46E-09	9.57E-10	2.42E-09
192	563500.2	4234954	1.46E-08	1.30E-08	2.76E-08	2.48E-09	2.09E-09	4.56E-09	1.18E-08	9.55E-09	2.13E-08	1.93E-09	1.85E-09	3.78E-09	1.44E-09	9.46E-10	2.39E-09
193	563502.6	4234969	1.44E-08	1.28E-08	2.72E-08	2.44E-09	2.06E-09	4.50E-09	1.16E-08	9.41E-09	2.10E-08	1.90E-09	1.82E-09	3.73E-09	1.42E-09	9.32E-10	2.35E-09
194	563505	4234984	1.41E-08	1.26E-08	2.67E-08	2.39E-09	2.02E-09	4.41E-09	1.14E-08	9.24E-09	2.06E-08	1.87E-09	1.79E-09	3.66E-09	1.39E-09	9.15E-10	2.31E-09
195	563503.6	4235006	1.40E-08	1.25E-08	2.64E-08	2.37E-09	2.00E-09	4.37E-09	1.13E-08	9.15E-09	2.04E-08	1.85E-09	1.77E-09	3.62E-09	1.38E-09	9.06E-10	2.29E-09
196	563496.1	4235019	1.43E-08	1.28E-08	2.71E-08	2.43E-09	2.05E-09	4.47E-09	1.15E-08	9.36E-09	2.09E-08	1.89E-09	1.82E-09	3.71E-09	1.41E-09	9.27E-10	2.34E-09
197	563488.6	4235032	1.46E-08	1.31E-08	2.77E-08	2.48E-09	2.09E-09	4.58E-09	1.18E-08	9.58E-09	2.14E-08	1.94E-09	1.86E-09	3.79E-09	1.45E-09	9.48E-10	2.39E-09
198	563481	4235045	1.50E-08	1.34E-08	2.84E-08	2.54E-09	2.14E-09	4.69E-09	1.21E-08	9.81E-09	2.19E-08	1.98E-09	1.90E-09	3.88E-09	1.48E-09	9.72E-10	2.45E-09
199	563473.5	4235058	1.54E-08	1.37E-08	2.91E-08	2.61E-09	2.20E-09	4.81E-09	1.24E-08	1.01E-08	2.25E-08	2.04E-09	1.95E-09	3.99E-09	1.52E-09	9.98E-10	2.52E-09
200	563466	4235071	1.58E-08	1.41E-08	2.99E-08	2.68E-09	2.26E-09	4.95E-09	1.28E-08	1.04E-08	2.31E-08	2.09E-09	2.01E-09	4.10E-09	1.56E-09	1.03E-09	2.59E-09
201	563458.5	4235084	1.62E-08	1.45E-08	3.07E-08	2.76E-09	2.32E-09	5.08E-09	1.31E-08	1.06E-08	2.37E-08	2.15E-09	2.06E-09	4.21E-09	1.60E-09	1.05E-09	2.66E-09
202	563451	4235097	1.66E-08	1.48E-08	3.15E-08	2.82E-09	2.38E-09	5.20E-09	1.34E-08	1.09E-08	2.43E-08	2.20E-09	2.11E-09	4.31E-09	1.64E-09	1.08E-09	2.72E-09
203	563443.5	4235110	1.69E-08	1.51E-08	3.20E-08	2.87E-09	2.42E-09	5.29E-09	1.37E-08	1.11E-08	2.48E-08	2.24E-09	2.15E-09	4.39E-09	1.67E-09	1.10E-09	2.77E-09
204	563436	4235123	1.72E-08	1.53E-08	3.25E-08	2.92E-09	2.46E-09	5.37E-09	1.39E-08	1.12E-08	2.51E-08	2.27E-09	2.18E-09	4.45E-09	1.70E-09	1.11E-09	2.81E-09
205	563428.5	4235136	1.74E-08	1.55E-08	3.29E-08	2.95E-09	2.49E-09	5.44E-09	1.40E-08	1.14E-08	2.54E-08	2.30E-09	2.21E-09	4.51E-09	1.72E-09	1.13E-09	2.84E-09
206	563476.5	4234821	1.66E-08	1.48E-08	3.14E-08	2.81E-09	2.37E-09	5.19E-09	1.34E-08	1.09E-08	2.42E-08	2.19E-09	2.10E-09	4.30E-09	1.64E-09	1.08E-09	2.71E-09
207	563469.2	4234808	1.70E-08	1.52E-08	3.22E-08	2.89E-09	2.44E-09	5.32E-09	1.37E-08	1.11E-08	2.49E-08	2.25E-09	2.16E-09	4.41E-09	1.68E-09	1.10E-09	2.79E-09
208	563498.9	4234826	1.48E-08	1.32E-08	2.80E-08	2.51E-09	2.12E-09	4.63E-09	1.20E-08	9.69E-09	2.16E-08	1.96E-09	1.88E-09	3.84E-09	1.46E-09	9.60E-10	2.42E-09
209	563501.2	4234841	1.45E-08	1.29E-08	2.74E-08	2.46E-09	2.07E-09	4.53E-09	1.17E-08	9.47E-09	2.12E-08	1.91E-09	1.84E-09	3.75E-09	1.43E-09	9.38E-10	2.37E-09
210	563503.6	4234855	1.41E-08	1.26E-08	2.68E-08	2.40E-09	2.02E-09	4.42E-09	1.14E-08	9.26E-09	2.07E-08	1.87E-09	1.80E-09	3.67E-09	1.40E-09	9.17E-10	2.31E-09
211	563505.9	4234870	1.39E-08	1.24E-08	2.62E-08	2.35E-09	1.98E-09	4.33E-09	1.12E-08	9.06E-09	2.02E-08	1.83E-09	1.76E-09	3.59E-09	1.37E-09	8.98E-10	2.27E-09
212	563508.3	4234885	1.37E-08	1.23E-08	2.60E-08	2.33E-09	1.97E-09	4.30E-09	1.11E-08	8.99E-09	2.01E-08	1.82E-09	1.74E-09	3.56E-09	1.36E-09	8.91E-10	2.25E-09
213	563510.6	4234900	1.38E-08	1.23E-08	2.61E-08	2.34E-09	1.97E-09	4.31E-09	1.11E-08	9.03E-09	2.02E-08	1.82E-09	1.75E-09	3.58E-09	1.36E-09	8.94E-10	2.26E-09
214	563512.9	4234914	1.36E-08	1.22E-08	2.58E-08	2.32E-09	1.95E-09	4.27E-09	1.10E-08	8.93E-09	2.00E-08	1.81E-09	1.73E-09	3.54E-09	1.35E-09	8.85E-10	2.23E-09
215	563515.3	4234929	1.35E-08	1.21E-08	2.56E-08	2.29E-09	1.93E-09	4.23E-09	1.09E-08	8.84E-09	1.98E-08	1.79E-09	1.71E-09	3.50E-09	1.33E-09	8.76E-10	2.21E-09
216	563517.6	4234944	1.34E-08	1.19E-08	2.53E-08	2.27E-09	1.91E-09	4.18E-09	1.08E-08	8.76E-09	1.96E-08	1.77E-09	1.70E-09	3.47E-09	1.32E-09	8.67E-10	2.19E-09
217	563520	4234958	1.32E-08	1.18E-08	2.50E-08	2.24E-09	1.89E-09	4.14E-09	1.07E-08	8.66E-09	1.93E-08	1.75E-09	1.68E-09	3.43E-09	1.31E-09	8.57E-10	2.16E-09
218	563522.3	4234973	1.30E-08	1.16E-08	2.47E-08	2.21E-09	1.87E-09	4.08E-09	1.05E-08	8.54E-09	1.91E-08	1.73E-09	1.66E-09	3.38E-09	1.29E-09	8.45E-10	2.13E-09
219	563524.7	4234988	1.28E-08	1.14E-08	2.43E-08	2.17E-09	1.83E-09	4.01E-09	1.03E-08	8.39E-09	1.87E-08	1.69E-09	1.63E-09	3.32E-09	1.27E-09	8.31E-10	2.10E-09
220	563523.3	4235009	1.27E-08	1.13E-08	2.40E-08	2.15E-09	1.81E-09	3.97E-09	1.02E-08	8.30E-09	1.85E-08	1.68E-09	1.61E-09	3.29E-09	1.25E-09	8.22E-10	2.07E-09
221	563515.8	4235022	1.29E-08	1.16E-08	2.45E-08	2.20E-09	1.85E-09	4.05E-09	1.05E-08	8.47E-09	1.89E-08	1.71E-09	1.64E-09	3.36E-09	1.28E-09	8.39E-10	2.12E-09
222	563508.4	4235035	1.32E-08	1.18E-08	2.50E-08	2.24E-09	1.89E-09	4.13E-09	1.07E-08	8.64E-09	1.93E-08	1.75E-09	1.68E-09	3.42E-09	1.30E-09	8.56E-10	2.16E-09
223	563501	4235048	1.35E-08	1.20E-08	2.55E-08	2.29E-09	1.93E-09	4.22E-09	1.09E-08	8.83E-09	1.97E-08	1.78E-09	1.71E-09	3.50E-09	1.33E-09	8.75E-10	2.21E-09
224	563493.5	4235061	1.38E-08	1.23E-08	2.61E-08	2.34E-09	1.98E-09	4.32E-09	1.12E-08	9.04E-09	2.02E-08	1.83E-09	1.75E-09	3.58E-09	1.36E-09	8.96E-10	2.26E-09
225	563486.1	4235074	1.42E-08	1.27E-08	2.68E-08	2.41E-09	2.03E-09	4.44E-09	1.15E-08	9.28E-09	2.07E-08	1.88E-09	1.80E-09	3.68E-09	1.40E-09	9.19E-10	2.32E-09
226	563478.6	4235087	1.46E-08	1.30E-08	2.76E-08	2.47E-09	2.08E-09	4.56E-09	1.18E-08	9.53E-09	2.13E-08	1.93E-09	1.85E-09	3.78E-09	1.44E-09	9.44E-10	2.38E-09
227	563471.2	4235100	1.49E-08	1.33E-08	2.83E-08	2.54E-09	2.14E-09	4.67E-09	1.21E-08	9.78E-09	2.18E-08	1.98E-09	1.90E-09	3.87E-09	1.48E-09	9.68E-10	2.44E-09
228	563463.8	4235113	1.52E-08	1.36E-08	2.88E-08	2.58E-09	2.18E-09	4.76E-09	1.23E-08	9.97E-09	2.23E-08	2.01E-09	1.93E-09	3.95E-09	1.50E-09	9.87E-10	2.49E-09
229	563456.3	4235126	1.55E-08	1.38E-08	2.93E-08	2.63E-09	2.22E-09	4.85E-09	1.25E-08	1.02E-08	2.27E-08	2.05E-09	1.97E-09	4.02E-09	1.53E-09	1.01E-09	2.54E-09
230	563448.9	4235139	1.58E-08	1.41E-08	2.98E-08	2.67E-09	2.25E-09	4.93E-09	1.27E-08	1.03E-08	2.30E-08	2.08E-09	2.00E-09	4.08E-09	1.56E-09	1.02E-09	2.58E-09
231	563441.4	4235152	1.59E-08	1.42E-08	3.01E-08	2.70E-09	2.28E-09	4.98E-09	1.28E-08	1.04E-08	2.33E-08	2.10E-09	2.02E-09	4.12E-09	1.57E-09	1.03E-09	2.60E-09
232	563494.1	4234812	1.52E-08	1.36E-08	2.88E-08	2.59E-09	2.18E-09	4.76E-09	1.23E-08	9.97E-09	2.23E-08	2.02E-09	1.93E-09	3.95E-09	1.50E-09	9.88E-10	2.49E-09
233	563486.8	4234798	1.56E-08	1.39E-08	2.96E-08	2.65E-09	2.24E-09	4.89E-09	1.26E-08	1.02E-08	2.29E-08	2.07E-09	1.98E-09	4.05E-09	1.54E-09	1.01E-09	2.56E-09
234	563516.5	4234816	1.36E-08	1.22E-08	2.58E-08	2.32E-09	1.95E-09	4.27E-09	1.10E-08	8.93E-09	1.99E-08	1.80E-09	1.73E-09	3.54E-09	1.35E-09	8.84E-10	2.23E-09
235	563518.8	4234831	1.34E-08	1.19E-08	2.53E-08	2.27E-09	1.91E-09	4.18E-09	1.08E-08	8.75E-09	1.95E-08	1.77E-09	1.70E-09	3.46E-09	1.32E-09	8.66E-10	2.19E-09
236	563521.1	4234845	1.31E-08	1.17E-08	2.47E-08	2.22E-09	1.87E-09	4.09E-09	1.06E-08	8.56E-09	1.91E-08	1.73E-09	1.66E-09	3.39E-09	1.29E-09	8.48E-10	2.14E-09
237	563523.4	4234860	1.29E-08	1.15E-08	2.44E-08	2.19E-09	1.84E-09	4.03E-09	1.04E-08	8.43E-09	1.88E-08	1.70E-09	1.64E-09	3.34E-09	1.27E-09	8.35E-10	2.11E-09
238	563525.8	4234875	1.28E-08	1.14E-08	2.42E-08	2.17E-09	1.83E-09	4.00E-09	1.03E-08	8.36E-09	1.87E-08	1.69E-09	1.62E-09	3.31E-09	1.26E-09	8.28E-10	2.09E-09
239	563528.1	4234889	1.27E-08	1.14E-08	2.41E-08	2.16E-09	1.82E-09	3.98E-09	1.03E-08	8.33E-09	1.86E-08	1.68E-09	1.61E-09	3.30E-09	1.26E-09	8.25E-10	2.08E-09
240	563530.4	4234904	1.26E-08	1.12E-08	2.38E-08	2.13E-09	1.80E-09	3.93E-09	1.01E-08	8.22E-09	1.84E-08	1.66E-09	1.59E-09	3.26E-09	1.24E-09	8.14E-10	2.06E-09
241	563532.7	4234919	1.24E-08	1.11E-08	2.35E-08	2.11E-09	1.78E-09	3.89E-09	1.00E-08	8.14E-09	1.82E-08	1.64E-09	1.58E-09	3.22E-09	1.23E-09	8.06E-10	2.03E-09
242	563535.1	4234933	1.23E-08	1.10E-08	2.33E-08	2.09E-09	1.76E-09	3.85E-09	9.95E-09	8.07E-09	1.80E-08	1.63E-09	1.56E-09	3.19E-09	1.22E-09	7.99E-10	2.02E-09
243	563537.4	4234948	1.22E-08	1.09E-08	2.31E-08	2.07E-09	1.75E-09	3.82E-09	9.86E-09	7.99E-09	1.79E-08	1.61E-09	1.55E-09	3.16E-09	1.21E-09	7.91E-10	2.00E-09
244	563539.7	4234962	1.21E-08	1.08E-08	2.29E-08	2.05E-09	1.73E-09	3.78E-09	9.75E-09	7.90E-09	1.77E-08	1.60E-09	1.53E-09	3.13E-09	1.19E-09	7.83E-10	1.98E-09
245	563542	4234977	1.19E-08	1.06E-08	2.25E-08	2.02E-09	1.70E-09	3.73E-09	9.62E-09	7.80E-09	1.74E-08	1.58E-09	1.51E-09	3.09E-09	1.18E-09	7.72E-10	1.95E-09
246	563544.3	4234992	1.17E-08	1.05E-08	2.22E-08	1.99E-09	1.68E-09	3.66E-09	9.46E-09	7.67E-09	1.71E-08	1.55E-09	1.49E-09	3.04E-09	1.16E-09	7.59E-10	1.92E-09
247	563543	4235013	1.16E-08	1.03E-08	2.19E-08	1.97E-09	1.66E-09	3.62E-09	9.36E-09	7.58E-09	1.69E-08	1.53E-09	1.47E-09	3.00E-09	1.14E-09	7.51E-10	1.90E-09
248	563535.6	4235026	1.18E-08	1.05E-08	2.23E-08	2.00E-09	1.69E-09	3.69E-09	9.53E-09	7.72E-09	1.72E-08	1.56E-09	1.50E-09	3.06E-09	1.17E-09	7.65E-10	1.93E-09
249	563528.2	4235038	1.20E-08	1.07E-08	2.27E-08	2.04E-09	1.72E-09	3.75E-09	9.69E-09	7.85E-09	1.75E-08	1.59E-09	1.52E-09	3.11E-09	1.19E-09	7.78E-10	1.96E-09
250	563520.8	4235051	1.22E-08	1.09E-08	2.31E-08	2.07E-09	1.75E-09	3.82E-09	9.87E-09	8.00E-09	1.79E-08	1.62E-09	1.55E-09	3.17E-09	1.21E-09	7.92E-10	2.00E-09
251	563513.5	4235064	1.25E-08	1.11E-08	2.36E-08	2.12E-09	1.78E-09	3.90E-09	1.01E-08	8.17E-09	1.82E-08	1.65E-09	1.58E-09	3.23E-09	1.23E-09	8.09E-10	2.04E-09
252	563506.1	4235077	1.28E-08	1.14E-08	2.42E-08	2.17E-09	1.83E-09	4.00E-09	1.03E-08	8.37E-09	1.87E-08	1.69E-09	1.62E-09	3.31E-09	1.26E-09	8.29E-10	2.09E-09
253	563498.7	4235090	1.31E-08	1.17E-08	2.48E-08	2.23E-09	1.88E-09	4.10E-09	1.06E-08	8.59E-09	1.92E-08	1.74E-09	1.66E-09	3.40E-09	1.30E-09	8.50E-10	2.15E-09
254	563491.3	4235103	1.35E-08	1.20E-08	2.55E-08	2.29E-09	1.93E-09	4.21E-09	1.09E-08	8.81E-09	1.97E-08	1.78E-09	1.71E-09	3.49E-09	1.33E-09	8.73E-10	2.20E-09
255	563483.9	4235115	1.37E-08	1.23E-08	2.60E-08	2.33E-09	1.96E-09	4.29E-09	1.11E-08	8.99E-09	2.01E-08	1.82E-09	1.74E-09	3.56E-09	1.36E-09	8.90E-10	2.25E-09
256	563476.5	4235128	1.40E-08	1.25E-08	2.66E-08	2.38E-09	2.01E-09	4.39E-09	1.13E-08	9.18E-09	2.05E-08	1.86E-09	1.78E-09	3.64E-09	1.39E-09	9.09E-10	2.30E-09
257	563469.2	4235141	1.43E-08	1.28E-08	2.70E-08	2.43E-09	2.04E-09	4.47E-09	1.15E-08	9.35E-09	2.09E-08	1.89E-09	1.81E-09	3.70E-09	1.41E-09	9.26E-10	2.34E-09
258	563461.8	4235154	1.45E-08	1.29E-08	2.74E-08	2.46E-09	2.07E-09	4.53E-09	1.17E-08	9.47E-09	2.12E-08	1.91E-09	1.84E-09	3.75E-09	1.43E-09	9.38E-10	2.37E-09
259	563454.4	4235167	1.46E-08	1.30E-08	2.76E-08	2.47E-09	2.08E-09	4.56E-09	1.18E-08	9.54E-09	2.13E-08	1.93E-09	1.85E-09	3.78E-09	1.44E-09	9.45E-10	2.38E-09
260	563511.7	4234802	1.40E-08	1.25E-08	2.66E-08	2.38E-09	2.01E-09	4.39E-09	1.13E-08	9.19E-09	2.05E-08	1.86E-09	1.78E-09	3.64E-09	1.39E-09	9.10E-10	2.30E-09
261	563504.4	4234789	1.45E-08	1.29E-08	2.73E-08	2.45E-09	2.07E-09	4.52E-09	1.17E-08	9.46E-09	2.11E-08	1.91E-09	1.83E-09	3.75E-09	1.43E-09	9.37E-10	2.36E-09
262	563551.6	4234797	1.17E-08	1.04E-08	2.21E-08	1.98E-09	1.67E-09	3.65E-09	9.42E-09	7.64E-09	1.71E-08	1.54E-09	1.48E-09	3.02E-09	1.15E-09	7.56E-10	1.91E-09
263	563554	4234812	1.15E-08	1.02E-08	2.17E-08	1.95E-09	1.64E-09	3.59E-09	9.27E-09	7.51E-09	1.68E-08	1.52E-09	1.46E-09	2.98E-09	1.13E-09	7.44E-10	1.88E-09
264	563556.4	4234827	1.14E-08	1.01E-08	2.15E-08	1.93E-09	1.63E-09	3.55E-09	9.17E-09	7.44E-09	1.66E-08	1.50E-09	1.44E-09	2.94E-09	1.12E-09	7.36E-10	1.86E-09
265	563558.8	4234842	1.13E-08	1.01E-08	2.14E-08	1.92E-09	1.62E-09	3.54E-09	9.14E-09	7.41E-09	1.65E-08	1.50E-09	1.44E-09	2.93E-09	1.12E-09	7.33E-10	1.85E-09
266	563561.1	4234857	1.12E-08	1.00E-08	2.12E-08	1.90E-09	1.60E-09	3.51E-09	9.05E-09	7.34E-09	1.64E-08	1.48E-09	1.42E-09	2.91E-09	1.11E-09	7.27E-10	1.83E-09
267	563563.5	4234872	1.10E-08	9.83E-09	2.08E-08	1.87E-09	1.58E-09	3.44E-09	8.89E-09	7.21E-09	1.61E-08	1.46E-09	1.40E-09	2.85E-09	1.09E-09	7.14E-10	1.80E-09
268	563565.9	4234887	1.08E-08	9.67E-09	2.05E-08	1.84E-09	1.55E-09	3.39E-09	8.76E-09	7.10E-09	1.59E-08	1.43E-09	1.38E-09	2.81E-09	1.07E-09	7.03E-10	1.77E-09
269	563568.2	4234902	1.07E-08	9.55E-09	2.03E-08	1.82E-09	1.53E-09	3.35E-09	8.65E-09	7.01E-09	1.57E-08	1.42E-09	1.36E-09	2.78E-09	1.06E-09	6.94E-10	1.75E-09

270	563570.6	4234917	1.06E-08	9.46E-09	2.01E-08	1.80E-09	1.52E-09	3.32E-09	8.56E-09	6.94E-09	1.55E-08	1.40E-09	1.35E-09	2.75E-09	1.05E-09	6.87E-10	1.73E-09
271	563573	4234932	1.05E-08	9.38E-09	1.99E-08	1.78E-09	1.50E-09	3.29E-09	8.49E-09	6.88E-09	1.54E-08	1.39E-09	1.33E-09	2.72E-09	1.04E-09	6.81E-10	1.72E-09
272	563575.3	4234946	1.04E-08	9.30E-09	1.97E-08	1.77E-09	1.49E-09	3.26E-09	8.42E-09	6.82E-09	1.52E-08	1.38E-09	1.32E-09	2.70E-09	1.03E-09	6.76E-10	1.71E-09
273	563577.7	4234961	1.03E-08	9.22E-09	1.96E-08	1.75E-09	1.48E-09	3.23E-09	8.34E-09	6.76E-09	1.51E-08	1.37E-09	1.31E-09	2.68E-09	1.02E-09	6.70E-10	1.69E-09
274	563580.1	4234976	1.02E-08	9.10E-09	1.93E-08	1.73E-09	1.46E-09	3.19E-09	8.24E-09	6.68E-09	1.49E-08	1.35E-09	1.30E-09	2.64E-09	1.01E-09	6.61E-10	1.67E-09
275	563582.5	4234991	1.00E-08	8.96E-09	1.90E-08	1.70E-09	1.44E-09	3.14E-09	8.11E-09	6.57E-09	1.47E-08	1.33E-09	1.27E-09	2.60E-09	9.92E-10	6.51E-10	1.64E-09
276	563584.8	4235006	9.85E-09	8.79E-09	1.86E-08	1.67E-09	1.41E-09	3.08E-09	7.95E-09	6.45E-09	1.44E-08	1.30E-09	1.25E-09	2.55E-09	9.73E-10	6.38E-10	1.61E-09
277	563582.2	4235020	9.81E-09	8.75E-09	1.86E-08	1.66E-09	1.40E-09	3.07E-09	7.92E-09	6.42E-09	1.43E-08	1.30E-09	1.24E-09	2.54E-09	9.69E-10	6.36E-10	1.60E-09
278	563574.7	4235033	9.93E-09	8.86E-09	1.88E-08	1.68E-09	1.42E-09	3.11E-09	8.02E-09	6.50E-09	1.45E-08	1.31E-09	1.26E-09	2.57E-09	9.81E-10	6.44E-10	1.62E-09
279	563567.2	4235046	1.01E-08	8.97E-09	1.90E-08	1.71E-09	1.44E-09	3.14E-09	8.12E-09	6.58E-09	1.47E-08	1.33E-09	1.28E-09	2.61E-09	9.93E-10	6.52E-10	1.64E-09
280	563559.7	4235059	1.02E-08	9.10E-09	1.93E-08	1.73E-09	1.46E-09	3.19E-09	8.24E-09	6.68E-09	1.49E-08	1.35E-09	1.29E-09	2.64E-09	1.01E-09	6.61E-10	1.67E-09
281	563552.1	4235073	1.04E-08	9.27E-09	1.97E-08	1.76E-09	1.49E-09	3.25E-09	8.39E-09	6.80E-09	1.52E-08	1.37E-09	1.32E-09	2.69E-09	1.03E-09	6.73E-10	1.70E-09
282	563544.6	4235086	1.06E-08	9.45E-09	2.01E-08	1.80E-09	1.52E-09	3.31E-09	8.56E-09	6.93E-09	1.55E-08	1.40E-09	1.34E-09	2.75E-09	1.05E-09	6.87E-10	1.73E-09
283	563537.1	4235099	1.08E-08	9.68E-09	2.05E-08	1.84E-09	1.55E-09	3.39E-09	8.76E-09	7.10E-09	1.59E-08	1.43E-09	1.38E-09	2.81E-09	1.07E-09	7.03E-10	1.77E-09
284	563522	4235125	1.14E-08	1.02E-08	2.16E-08	1.94E-09	1.63E-09	3.57E-09	9.22E-09	7.48E-09	1.67E-08	1.51E-09	1.45E-09	2.96E-09	1.13E-09	7.40E-10	1.87E-09
285	563514.5	4235138	1.17E-08	1.04E-08	2.21E-08	1.98E-09	1.67E-09	3.65E-09	9.43E-09	7.64E-09	1.71E-08	1.54E-09	1.48E-09	3.03E-09	1.15E-09	7.57E-10	1.91E-09
286	563506.9	4235151	1.19E-08	1.06E-08	2.25E-08	2.02E-09	1.70E-09	3.72E-09	9.61E-09	7.79E-09	1.74E-08	1.57E-09	1.51E-09	3.08E-09	1.18E-09	7.71E-10	1.95E-09
287	563499.4	4235164	1.21E-08	1.08E-08	2.29E-08	2.05E-09	1.73E-09	3.78E-09	9.75E-09	7.90E-09	1.77E-08	1.60E-09	1.53E-09	3.13E-09	1.19E-09	7.83E-10	1.98E-09
288	563491.9	4235177	1.22E-08	1.09E-08	2.31E-08	2.07E-09	1.75E-09	3.82E-09	9.87E-09	8.00E-09	1.79E-08	1.62E-09	1.55E-09	3.17E-09	1.21E-09	7.92E-10	2.00E-09
289	563484.4	4235190	1.23E-08	1.10E-08	2.33E-08	2.09E-09	1.76E-09	3.85E-09	9.95E-09	8.06E-09	1.80E-08	1.63E-09	1.56E-09	3.19E-09	1.22E-09	7.98E-10	2.01E-09
290	563476.8	4235203	1.24E-08	1.10E-08	2.34E-08	2.10E-09	1.77E-09	3.87E-09	9.99E-09	8.10E-09	1.81E-08	1.64E-09	1.57E-09	3.21E-09	1.22E-09	8.02E-10	2.02E-09
291	563546.8	4234783	1.19E-08	1.06E-08	2.26E-08	2.02E-09	1.71E-09	3.73E-09	9.63E-09	7.81E-09	1.74E-08	1.58E-09	1.51E-09	3.09E-09	1.18E-09	7.73E-10	1.95E-09
292	563539.5	4234770	1.21E-08	1.08E-08	2.30E-08	2.06E-09	1.74E-09	3.79E-09	9.80E-09	7.94E-09	1.77E-08	1.60E-09	1.54E-09	3.14E-09	1.20E-09	7.87E-10	1.99E-09
293	563586.8	4234778	1.01E-08	9.02E-09	1.91E-08	1.72E-09	1.45E-09	3.16E-09	8.16E-09	6.62E-09	1.48E-08	1.34E-09	1.28E-09	2.62E-09	9.99E-10	6.55E-10	1.65E-09
294	563589.1	4234793	1.00E-08	8.92E-09	1.89E-08	1.70E-09	1.43E-09	3.13E-09	8.08E-09	6.54E-09	1.46E-08	1.32E-09	1.27E-09	2.59E-09	9.88E-10	6.48E-10	1.64E-09
295	563591.5	4234808	1.00E-08	8.92E-09	1.89E-08	1.70E-09	1.43E-09	3.13E-09	8.08E-09	6.55E-09	1.46E-08	1.32E-09	1.27E-09	2.59E-09	9.88E-10	6.48E-10	1.64E-09
296	563593.8	4234822	9.96E-09	8.88E-09	1.88E-08	1.69E-09	1.42E-09	3.11E-09	8.04E-09	6.52E-09	1.46E-08	1.32E-09	1.26E-09	2.58E-09	9.84E-10	6.45E-10	1.63E-09
297	563596.1	4234837	9.82E-09	8.76E-09	1.86E-08	1.67E-09	1.40E-09	3.07E-09	7.93E-09	6.43E-09	1.44E-08	1.30E-09	1.25E-09	2.54E-09	9.70E-10	6.36E-10	1.61E-09
298	563598.5	4234852	9.68E-09	8.64E-09	1.83E-08	1.64E-09	1.38E-09	3.03E-09	7.82E-09	6.33E-09	1.42E-08	1.28E-09	1.23E-09	2.51E-09	9.56E-10	6.27E-10	1.58E-09
299	563600.8	4234866	9.54E-09	8.51E-09	1.81E-08	1.62E-09	1.37E-09	2.98E-09	7.71E-09	6.25E-09	1.40E-08	1.26E-09	1.21E-09	2.47E-09	9.43E-10	6.19E-10	1.56E-09
300	563603.1	4234881	9.43E-09	8.41E-09	1.78E-08	1.60E-09	1.35E-09	2.95E-09	7.61E-09	6.17E-09	1.38E-08	1.25E-09	1.20E-09	2.44E-09	9.31E-10	6.11E-10	1.54E-09
301	563605.5	4234896	9.33E-09	8.32E-09	1.76E-08	1.58E-09	1.33E-09	2.92E-09	7.53E-09	6.10E-09	1.36E-08	1.23E-09	1.18E-09	2.42E-09	9.21E-10	6.04E-10	1.53E-09
302	563607.8	4234910	9.25E-09	8.25E-09	1.75E-08	1.57E-09	1.32E-09	2.89E-09	7.47E-09	6.05E-09	1.35E-08	1.22E-09	1.17E-09	2.40E-09	9.13E-10	5.99E-10	1.51E-09
303	563610.2	4234925	9.18E-09	8.19E-09	1.74E-08	1.56E-09	1.31E-09	2.87E-09	7.41E-09	6.01E-09	1.34E-08	1.21E-09	1.16E-09	2.38E-09	9.06E-10	5.95E-10	1.50E-09
304	563612.5	4234940	9.11E-09	8.13E-09	1.72E-08	1.55E-09	1.30E-09	2.85E-09	7.36E-09	5.96E-09	1.33E-08	1.20E-09	1.16E-09	2.36E-09	9.00E-10	5.91E-10	1.49E-09
305	563614.8	4234955	9.04E-09	8.06E-09	1.71E-08	1.53E-09	1.29E-09	2.83E-09	7.30E-09	5.92E-09	1.32E-08	1.20E-09	1.15E-09	2.34E-09	8.93E-10	5.86E-10	1.48E-09
306	563617.2	4234969	8.96E-09	7.99E-09	1.69E-08	1.52E-09	1.28E-09	2.80E-09	7.23E-09	5.86E-09	1.31E-08	1.18E-09	1.14E-09	2.32E-09	8.84E-10	5.80E-10	1.46E-09
307	563619.5	4234984	8.84E-09	7.89E-09	1.67E-08	1.50E-09	1.26E-09	2.77E-09	7.14E-09	5.79E-09	1.29E-08	1.17E-09	1.12E-09	2.29E-09	8.73E-10	5.73E-10	1.45E-09
308	563621.8	4234999	8.70E-09	7.76E-09	1.65E-08	1.48E-09	1.24E-09	2.72E-09	7.02E-09	5.69E-09	1.27E-08	1.15E-09	1.10E-09	2.25E-09	8.59E-10	5.64E-10	1.42E-09
309	563624.2	4235013	8.53E-09	7.61E-09	1.61E-08	1.45E-09	1.22E-09	2.67E-09	6.89E-09	5.58E-09	1.25E-08	1.13E-09	1.08E-09	2.21E-09	8.42E-10	5.53E-10	1.39E-09
310	563621.6	4235027	8.48E-09	7.56E-09	1.60E-08	1.44E-09	1.21E-09	2.65E-09	6.85E-09	5.55E-09	1.24E-08	1.12E-09	1.08E-09	2.20E-09	8.37E-10	5.49E-10	1.39E-09
311	563614.2	4235040	8.56E-09	7.63E-09	1.62E-08	1.45E-09	1.22E-09	2.68E-09	6.91E-09	5.60E-09	1.25E-08	1.13E-09	1.09E-09	2.22E-09	8.45E-10	5.54E-10	1.40E-09
312	563606.8	4235053	8.62E-09	7.69E-09	1.63E-08	1.46E-09	1.23E-09	2.70E-09	6.96E-09	5.64E-09	1.26E-08	1.14E-09	1.09E-09	2.23E-09	8.52E-10	5.59E-10	1.41E-09
313	563599.4	4235066	8.69E-09	7.75E-09	1.64E-08	1.47E-09	1.24E-09	2.72E-09	7.01E-09	5.68E-09	1.27E-08	1.15E-09	1.10E-09	2.25E-09	8.58E-10	5.63E-10	1.42E-09
314	563591.9	4235079	8.78E-09	7.83E-09	1.66E-08	1.49E-09	1.26E-09	2.74E-09	7.09E-09	5.74E-09	1.28E-08	1.16E-09	1.11E-09	2.27E-09	8.67E-10	5.69E-10	1.44E-09
315	563584.5	4235092	8.92E-09	7.95E-09	1.69E-08	1.51E-09	1.28E-09	2.79E-09	7.20E-09	5.83E-09	1.30E-08	1.18E-09	1.13E-09	2.31E-09	8.81E-10	5.78E-10	1.46E-09
316	563577.1	4235105	9.09E-09	8.11E-09	1.72E-08	1.54E-09	1.30E-09	2.84E-09	7.34E-09	5.95E-09	1.33E-08	1.20E-09	1.15E-09	2.35E-09	8.97E-10	5.89E-10	1.49E-09
317	563569.7	4235118	9.29E-09	8.28E-09	1.76E-08	1.58E-09	1.33E-09	2.90E-09	7.50E-09	6.08E-09	1.36E-08	1.23E-09	1.18E-09	2.41E-09	9.17E-10	6.02E-10	1.52E-09
318	563554.8	4235144	9.72E-09	8.67E-09	1.84E-08	1.65E-09	1.39E-09	3.04E-09	7.84E-09	6.36E-09	1.42E-08	1.28E-09	1.23E-09	2.52E-09	9.60E-10	6.30E-10	1.59E-09
319	563547.4	4235156	9.92E-09	8.85E-09	1.88E-08	1.68E-09	1.42E-09	3.10E-09	8.01E-09	6.49E-09	1.45E-08	1.31E-09	1.26E-09	2.57E-09	9.80E-10	6.43E-10	1.62E-09
320	563540	4235169	1.01E-08	9.01E-09	1.91E-08	1.71E-09	1.44E-09	3.16E-09	8.16E-09	6.61E-09	1.48E-08	1.34E-09	1.28E-09	2.62E-09	9.98E-10	6.55E-10	1.65E-09
321	563532.5	4235182	1.03E-08	9.15E-09	1.94E-08	1.74E-09	1.47E-09	3.21E-09	8.29E-09	6.72E-09	1.50E-08	1.36E-09	1.30E-09	2.66E-09	1.01E-09	6.65E-10	1.68E-09
322	563525.1	4235195	1.04E-08	9.27E-09	1.97E-08	1.76E-09	1.49E-09	3.25E-09	8.39E-09	6.80E-09	1.52E-08	1.37E-09	1.32E-09	2.69E-09	1.03E-09	6.74E-10	1.70E-09
323	563517.7	4235208	1.05E-08	9.37E-09	1.99E-08	1.78E-09	1.50E-09	3.28E-09	8.48E-09	6.87E-09	1.54E-08	1.39E-09	1.33E-09	2.72E-09	1.04E-09	6.81E-10	1.72E-09
324	563510.3	4235221	1.06E-08	9.44E-09	2.00E-08	1.80E-09	1.51E-09	3.31E-09	8.54E-09	6.92E-09	1.55E-08	1.40E-09	1.34E-09	2.74E-09	1.04E-09	6.86E-10	1.73E-09
325	563502.8	4235234	1.06E-08	9.48E-09	2.01E-08	1.80E-09	1.52E-09	3.32E-09	8.58E-09	6.96E-09	1.55E-08	1.41E-09	1.35E-09	2.75E-09	1.05E-09	6.89E-10	1.74E-09
326	563582	4234764	1.04E-08	9.26E-09	1.96E-08	1.76E-09	1.49E-09	3.25E-09	8.38E-09	6.80E-09	1.52E-08	1.37E-09	1.32E-09	2.69E-09	1.03E-09	6.73E-10	1.70E-09
327	563574.7	4234751	1.08E-08	9.61E-09	2.04E-08	1.83E-09	1.54E-09	3.37E-09	8.70E-09	7.05E-09	1.57E-08	1.42E-09	1.37E-09	2.79E-09	1.06E-09	6.98E-10	1.76E-09
328	563622	4234759	9.14E-09	8.16E-09	1.73E-08	1.55E-09	1.31E-09	2.86E-09	7.38E-09	5.98E-09	1.34E-08	1.21E-09	1.16E-09	2.37E-09	9.03E-10	5.93E-10	1.50E-09
329	563624.3	4234774	8.98E-09	8.01E-09	1.70E-08	1.52E-09	1.28E-09	2.81E-09	7.25E-09	5.87E-09	1.31E-08	1.19E-09	1.14E-09	2.33E-09	8.86E-10	5.82E-10	1.47E-09
330	563626.7	4234789	8.83E-09	7.87E-09	1.67E-08	1.50E-09	1.26E-09	2.76E-09	7.13E-09	5.78E-09	1.29E-08	1.17E-09	1.12E-09	2.29E-09	8.72E-10	5.72E-10	1.44E-09
331	563629.1	4234804	8.70E-09	7.76E-09	1.65E-08	1.48E-09	1.24E-09	2.72E-09	7.02E-09	5.69E-09	1.27E-08	1.15E-09	1.10E-09	2.25E-09	8.59E-10	5.64E-10	1.42E-09
332	563631.4	4234819	8.59E-09	7.66E-09	1.62E-08	1.46E-09	1.23E-09	2.69E-09	6.93E-09	5.62E-09	1.26E-08	1.14E-09	1.09E-09	2.23E-09	8.48E-10	5.57E-10	1.40E-09
333	563633.8	4234834	8.48E-09	7.57E-09	1.60E-08	1.44E-09	1.21E-09	2.65E-09	6.85E-09	5.55E-09	1.24E-08	1.12E-09	1.08E-09	2.20E-09	8.38E-10	5.50E-10	1.39E-09
334	563636.2	4234849	8.39E-09	7.49E-09	1.59E-08	1.42E-09	1.20E-09	2.62E-09	6.78E-09	5.49E-09	1.23E-08	1.11E-09	1.06E-09	2.17E-09	8.29E-10	5.44E-10	1.37E-09
335	563638.6	4234864	8.32E-09	7.42E-09	1.57E-08	1.41E-09	1.19E-09	2.60E-09	6.71E-09	5.44E-09	1.22E-08	1.10E-09	1.06E-09	2.15E-09	8.21E-10	5.39E-10	1.36E-09
336	563640.9	4234879	8.25E-09	7.36E-09	1.56E-08	1.40E-09	1.18E-09	2.58E-09	6.66E-09	5.40E-09	1.21E-08	1.09E-09	1.05E-09	2.14E-09	8.15E-10	5.35E-10	1.35E-09
337	563643.3	4234894	8.19E-09	7.31E-09	1.55E-08	1.39E-09	1.17E-09	2.56E-09	6.62E-09	5.36E-09	1.20E-08	1.08E-09	1.04E-09	2.12E-09	8.09E-10	5.31E-10	1.34E-09
338	563645.7	4234909	8.15E-09	7.27E-09	1.54E-08	1.38E-09	1.16E-09	2.55E-09	6.58E-09	5.33E-09	1.19E-08	1.08E-09	1.03E-09	2.11E-09	8.04E-10	5.28E-10	1.33E-09
339	563648.1	4234923	8.10E-09	7.23E-09	1.53E-08	1.37E-09	1.16E-09	2.53E-09	6.54E-09	5.30E-09	1.18E-08	1.07E-09	1.03E-09	2.10E-09	8.00E-10	5.25E-10	1.32E-09
340	563650.4	4234938	8.05E-09	7.18E-09	1.52E-08	1.37E-09	1.15E-09	2.52E-09	6.50E-09	5.27E-09	1.18E-08	1.06E-09	1.02E-09	2.09E-09	7.95E-10	5.22E-10	1.32E-09
341	563652.8	4234953	8.00E-09	7.13E-09	1.51E-08	1.36E-09	1.14E-09	2.50E-09	6.46E-09	5.23E-09	1.17E-08	1.06E-09	1.01E-09	2.07E-09	7.90E-10	5.18E-10	1.31E-09
342	563655.2	4234968	7.93E-09	7.07E-09	1.50E-08	1.35E-09	1.13E-09	2.48E-09	6.40E-09	5.19E-09	1.16E-08	1.05E-09	1.01E-09	2.05E-09	7.83E-10	5.14E-10	1.30E-09
343	563657.6	4234983	7.83E-09	6.99E-09	1.48E-08	1.33E-09	1.12E-09	2.45E-09	6.33E-09	5.13E-09	1.15E-08	1.04E-09	9.94E-10	2.03E-09	7.74E-10	5.08E-10	1.28E-09
344	563659.9	4234998	7.72E-09	6.88E-09	1.46E-08	1.31E-09	1.10E-09	2.41E-09	6.23E-09	5.05E-09	1.13E-08	1.02E-09	9.79E-10	2.00E-09	7.62E-10	5.00E-10	1.26E-09
345	563662.3	4235013	7.54E-09	6.72E-09	1.43E-08	1.28E-09	1.08E-09	2.36E-09	6.09E-09	4.93E-09	1.10E-08	9.97E-10	9.56E-10	1.95E-09	7.44E-10	4.88E-10	1.23E-09
346	563660.9	4235035	7.35E-09	6.56E-09	1.39E-08	1.25E-09	1.05E-09	2.30E-09	5.94E-09	4.81E-09	1.08E-08	9.73E-10	9.33E-10	1.91E-09	7.26E-10	4.77E-10	1.20E-09
347	563653.4	4235048	7.42E-09	6.62E-09	1.40E-08	1.26E-09	1.06E-09	2.32E-09	5.99E-09	4.85E-09	1.08E-08	9.81E-10	9.41E-10	1.92E-09	7.32E-10	4.81E-10	1.21E-09
348	563645.8	4235061	7.46E-09	6.65E-09	1.41E-08	1.27E-09	1.07E-09	2.33E-09	6.02E-09	4.88E-09	1.09E-08	9.86E-10	9.46E-10	1.93E-09	7.37E-10	4.83E-10	1.22E-09
349	563638.3	4235074	7.49E-09	6.68E-09	1.42E-08	1.27E-09	1.07E-09	2.34E-09	6.05E-09	4.90E-09	1.10E-08	9.91E-10	9.51E-10	1.94E-09	7.40E-10	4.86E-10	1.23E-09
350	563630.7	4235087	7.53E-09	6.72E-09	1.43E-08	1.28E-09	1.08E-09	2.36E-09	6.08E-09	4.93E-09	1.10E-08	9.96E-10	9.56E-10	1.95E-09	7.44E-10	4.88E-10	1.23E-09
351	563623.2	4235100	7.61E-09	6.79E-09	1.44E-08	1.29E-09	1.09E-09	2.38E-09	6.15E-09	4.98E-09	1.11E-08	1.01E-09	9.66E-10	1.97E-09	7.52E-10	4.93E-10	1.24E-09
352	563615.7	4235113	7.74E-09	6.90E-09	1.46E-08	1.31E-09	1.11E-09	2.42E-09	6.25E-09	5.06E-09	1.13E-08	1.02E-09	9.82E-10	2.01E-09	7.64E-10	5.02E-10	1.27E-09
353	563608.1	4235126	7.91E-09	7.05E-09	1.50E-08	1.34E-09	1.13E-09	2.47E-09	6.38E-09	5.17E-09	1.16E-08	1.05E-09	1.00E-09	2.05E-09	7.81E-10	5.12E-10	1.29E-09
354	563600.6	4235140	8.08E-09	7.21E-09	1.53E-08	1.37E-09	1.16E-09	2.53E-09	6.53E-09	5.29E-09	1.18E-08	1.07E-09	1.03E-09	2.09E-09	7.98E-10	5.24E-10	1.32E-09
355	563585.5	4235166	8.46E-09	7.55E-09	1.60E-08	1.44E-09	1.21E-09	2.64E-09	6.83E-09	5.53E-09	1.24E-08	1.12E-09	1.07E-09	2.19E-09	8.35E-10	5.48E-10	1.38E-09
356	563578	4235179	8.65E-09	7.71E-09	1.64E-08	1.47E-09	1.24E-09	2.70E-09	6.98E-09	5.66E-09	1.26E-08	1.14E-09	1.10E-09	2.24E-09	8.54E-10	5.60E-10	1.41E-09
357	563570.4	4235192	8.80E-09	7.85E-09	1.67E-08	1.49E-09	1.26E-09	2.75E-09	7.11E-09	5.76E-09	1.29E-08	1.16E-09	1.12E-09	2.28E-09	8.69E-10	5.70E-10	1.44E-09
358	563562.9	4235205	8.92E-09	7.96E-09	1.69E-08	1.51E-09	1.28E-09	2.79E-09	7.20E-09	5.84E-09	1.30E-08	1.18E-09	1.13E-09	2.31E-09	8.81E-10	5.78E-10	1.46E-09
359	563555.3	4235218	9.00E-09	8.03E-09	1.70E-08	1.53E-09	1.29E-09	2.82E-09	7.27E-09	5.89E-09	1.32E-08	1.19E-09	1.14E-09	2.33E-09	8.89E-10	5.84E-10	1.47E-09
360	563547.8	4235231	9.08E-09	8.10E-09	1.72E-08	1.54E-09	1.30E-09	2.84E-09	7.33E-09	5.94E-09	1.33E-08	1.20E-09	1.15E-09	2.35E-09	8.97E-10	5.89E-10	1.49E-09

361	563540.2	4235244	9.19E-09	8.20E-09	1.74E-08	1.56E-09	1.31E-09	2.87E-09	7.42E-09	6.01E-09	1.34E-08	1.21E-09	1.17E-09	2.38E-09	9.07E-10	5.95E-10	1.50E-09
362	563532.7	4235258	9.29E-09	8.28E-09	1.76E-08	1.58E-09	1.33E-09	2.90E-09	7.50E-09	6.08E-09	1.36E-08	1.23E-09	1.18E-09	2.41E-09	9.17E-10	6.02E-10	1.52E-09
363	563617.1	4234745	9.36E-09	8.35E-09	1.77E-08	1.59E-09	1.34E-09	2.93E-09	7.56E-09	6.12E-09	1.37E-08	1.24E-09	1.19E-09	2.43E-09	9.24E-10	6.07E-10	1.53E-09
364	563609.9	4234732	9.63E-09	8.59E-09	1.82E-08	1.63E-09	1.38E-09	3.01E-09	7.78E-09	6.30E-09	1.41E-08	1.27E-09	1.22E-09	2.50E-09	9.51E-10	6.24E-10	1.58E-09
365	563657.1	4234740	8.18E-09	7.29E-09	1.55E-08	1.39E-09	1.17E-09	2.56E-09	6.60E-09	5.35E-09	1.20E-08	1.08E-09	1.04E-09	2.12E-09	8.08E-10	5.30E-10	1.34E-09
366	563659.4	4234755	7.99E-09	7.13E-09	1.51E-08	1.36E-09	1.14E-09	2.50E-09	6.45E-09	5.23E-09	1.17E-08	1.06E-09	1.01E-09	2.07E-09	7.89E-10	5.18E-10	1.31E-09
367	563661.8	4234769	7.85E-09	7.00E-09	1.48E-08	1.33E-09	1.12E-09	2.45E-09	6.34E-09	5.14E-09	1.15E-08	1.04E-09	9.96E-10	2.03E-09	7.75E-10	5.09E-10	1.28E-09
368	563664.1	4234784	7.72E-09	6.88E-09	1.46E-08	1.31E-09	1.10E-09	2.41E-09	6.23E-09	5.05E-09	1.13E-08	1.02E-09	9.79E-10	2.00E-09	7.62E-10	5.00E-10	1.26E-09
369	563666.5	4234799	7.58E-09	6.76E-09	1.43E-08	1.29E-09	1.08E-09	2.37E-09	6.12E-09	4.96E-09	1.11E-08	1.00E-09	9.61E-10	1.96E-09	7.48E-10	4.91E-10	1.24E-09
370	563668.8	4234814	7.46E-09	6.66E-09	1.41E-08	1.27E-09	1.07E-09	2.33E-09	6.03E-09	4.88E-09	1.09E-08	9.87E-10	9.47E-10	1.93E-09	7.37E-10	4.84E-10	1.22E-09
371	563671.2	4234829	7.38E-09	6.58E-09	1.40E-08	1.25E-09	1.06E-09	2.31E-09	5.96E-09	4.83E-09	1.08E-08	9.76E-10	9.36E-10	1.91E-09	7.29E-10	4.78E-10	1.21E-09
372	563673.5	4234843	7.32E-09	6.53E-09	1.39E-08	1.24E-09	1.05E-09	2.29E-09	5.91E-09	4.79E-09	1.07E-08	9.68E-10	9.29E-10	1.90E-09	7.23E-10	4.74E-10	1.20E-09
373	563675.9	4234858	7.28E-09	6.49E-09	1.38E-08	1.24E-09	1.04E-09	2.28E-09	5.88E-09	4.76E-09	1.06E-08	9.63E-10	9.24E-10	1.89E-09	7.19E-10	4.72E-10	1.19E-09
374	563678.2	4234873	7.25E-09	6.47E-09	1.37E-08	1.23E-09	1.04E-09	2.27E-09	5.86E-09	4.75E-09	1.06E-08	9.59E-10	9.20E-10	1.88E-09	7.16E-10	4.70E-10	1.19E-09
375	563680.6	4234888	7.24E-09	6.46E-09	1.37E-08	1.23E-09	1.03E-09	2.26E-09	5.84E-09	4.74E-09	1.06E-08	9.57E-10	9.18E-10	1.88E-09	7.15E-10	4.69E-10	1.18E-09
376	563682.9	4234902	7.22E-09	6.44E-09	1.37E-08	1.23E-09	1.03E-09	2.26E-09	5.83E-09	4.73E-09	1.06E-08	9.55E-10	9.17E-10	1.87E-09	7.13E-10	4.68E-10	1.18E-09
377	563685.3	4234917	7.21E-09	6.43E-09	1.36E-08	1.22E-09	1.03E-09	2.25E-09	5.82E-09	4.72E-09	1.05E-08	9.53E-10	9.14E-10	1.87E-09	7.12E-10	4.67E-10	1.18E-09
378	563687.6	4234932	7.18E-09	6.41E-09	1.36E-08	1.22E-09	1.03E-09	2.25E-09	5.80E-09	4.70E-09	1.05E-08	9.50E-10	9.11E-10	1.86E-09	7.09E-10	4.66E-10	1.17E-09
379	563689.9	4234947	7.16E-09	6.38E-09	1.35E-08	1.21E-09	1.02E-09	2.24E-09	5.78E-09	4.68E-09	1.05E-08	9.46E-10	9.08E-10	1.85E-09	7.07E-10	4.64E-10	1.17E-09
380	563692.3	4234961	7.12E-09	6.35E-09	1.35E-08	1.21E-09	1.02E-09	2.23E-09	5.75E-09	4.66E-09	1.04E-08	9.42E-10	9.03E-10	1.84E-09	7.03E-10	4.61E-10	1.16E-09
381	563694.6	4234976	7.04E-09	6.28E-09	1.33E-08	1.19E-09	1.01E-09	2.20E-09	5.68E-09	4.61E-09	1.03E-08	9.31E-10	8.93E-10	1.82E-09	6.95E-10	4.56E-10	1.15E-09
382	563697	4234991	6.90E-09	6.16E-09	1.31E-08	1.17E-09	9.87E-10	2.16E-09	5.58E-09	4.52E-09	1.01E-08	9.13E-10	8.76E-10	1.79E-09	6.82E-10	4.47E-10	1.13E-09
383	563699.3	4235006	6.79E-09	6.06E-09	1.28E-08	1.15E-09	9.71E-10	2.12E-09	5.48E-09	4.44E-09	9.93E-09	8.98E-10	8.62E-10	1.76E-09	6.71E-10	4.40E-10	1.11E-09
384	563701.7	4235021	6.68E-09	5.96E-09	1.26E-08	1.13E-09	9.55E-10	2.09E-09	5.39E-09	4.37E-09	9.76E-09	8.83E-10	8.47E-10	1.73E-09	6.60E-10	4.33E-10	1.09E-09
385	563700.3	4235042	6.56E-09	5.85E-09	1.24E-08	1.11E-09	9.38E-10	2.05E-09	5.29E-09	4.29E-09	9.59E-09	8.67E-10	8.32E-10	1.70E-09	6.48E-10	4.25E-10	1.07E-09
386	563692.8	4235055	6.57E-09	5.86E-09	1.24E-08	1.11E-09	9.39E-10	2.05E-09	5.30E-09	4.30E-09	9.60E-09	8.69E-10	8.33E-10	1.70E-09	6.49E-10	4.26E-10	1.07E-09
387	563685.4	4235068	6.57E-09	5.86E-09	1.24E-08	1.11E-09	9.39E-10	2.05E-09	5.30E-09	4.30E-09	9.60E-09	8.68E-10	8.33E-10	1.70E-09	6.48E-10	4.25E-10	1.07E-09
388	563677.9	4235081	6.55E-09	5.85E-09	1.24E-08	1.11E-09	9.37E-10	2.05E-09	5.29E-09	4.29E-09	9.58E-09	8.67E-10	8.32E-10	1.70E-09	6.47E-10	4.25E-10	1.07E-09
389	563670.5	4235094	6.57E-09	5.86E-09	1.24E-08	1.11E-09	9.39E-10	2.05E-09	5.30E-09	4.30E-09	9.60E-09	8.68E-10	8.33E-10	1.70E-09	6.48E-10	4.26E-10	1.07E-09
390	563663	4235107	6.61E-09	5.90E-09	1.25E-08	1.12E-09	9.46E-10	2.07E-09	5.34E-09	4.33E-09	9.67E-09	8.75E-10	8.39E-10	1.71E-09	6.53E-10	4.29E-10	1.08E-09
391	563655.6	4235120	6.67E-09	5.95E-09	1.26E-08	1.13E-09	9.54E-10	2.09E-09	5.39E-09	4.36E-09	9.75E-09	8.82E-10	8.46E-10	1.73E-09	6.59E-10	4.32E-10	1.09E-09
392	563648.1	4235133	6.77E-09	6.04E-09	1.28E-08	1.15E-09	9.68E-10	2.12E-09	5.46E-09	4.43E-09	9.89E-09	8.95E-10	8.59E-10	1.75E-09	6.68E-10	4.39E-10	1.11E-09
393	563640.7	4235146	6.92E-09	6.17E-09	1.31E-08	1.17E-09	9.89E-10	2.16E-09	5.59E-09	4.53E-09	1.01E-08	9.15E-10	8.78E-10	1.79E-09	6.83E-10	4.48E-10	1.13E-09
394	563633.2	4235158	7.08E-09	6.31E-09	1.34E-08	1.20E-09	1.01E-09	2.21E-09	5.71E-09	4.63E-09	1.03E-08	9.36E-10	8.98E-10	1.83E-09	6.99E-10	4.59E-10	1.16E-09
395	563618.3	4235184	7.37E-09	6.57E-09	1.39E-08	1.25E-09	1.05E-09	2.30E-09	5.95E-09	4.82E-09	1.08E-08	9.74E-10	9.35E-10	1.91E-09	7.28E-10	4.78E-10	1.21E-09
396	563610.8	4235197	7.52E-09	6.71E-09	1.42E-08	1.28E-09	1.07E-09	2.35E-09	6.07E-09	4.92E-09	1.10E-08	9.94E-10	9.54E-10	1.95E-09	7.42E-10	4.87E-10	1.23E-09
397	563603.4	4235210	7.64E-09	6.82E-09	1.45E-08	1.30E-09	1.09E-09	2.39E-09	6.17E-09	5.00E-09	1.12E-08	1.01E-09	9.70E-10	1.98E-09	7.55E-10	4.95E-10	1.25E-09
398	563595.9	4235223	7.76E-09	6.92E-09	1.47E-08	1.32E-09	1.11E-09	2.43E-09	6.26E-09	5.08E-09	1.13E-08	1.03E-09	9.84E-10	2.01E-09	7.66E-10	5.03E-10	1.27E-09
399	563588.5	4235236	7.84E-09	6.99E-09	1.48E-08	1.33E-09	1.12E-09	2.45E-09	6.33E-09	5.13E-09	1.15E-08	1.04E-09	9.94E-10	2.03E-09	7.74E-10	5.08E-10	1.28E-09
400	563581	4235249	7.94E-09	7.08E-09	1.50E-08	1.35E-09	1.14E-09	2.48E-09	6.41E-09	5.20E-09	1.16E-08	1.05E-09	1.01E-09	2.06E-09	7.84E-10	5.15E-10	1.30E-09
401	563573.6	4235262	8.05E-09	7.18E-09	1.52E-08	1.37E-09	1.15E-09	2.52E-09	6.50E-09	5.27E-09	1.18E-08	1.06E-09	1.02E-09	2.09E-09	7.95E-10	5.22E-10	1.32E-09
402	563566.1	4235275	8.20E-09	7.31E-09	1.55E-08	1.39E-09	1.17E-09	2.56E-09	6.62E-09	5.37E-09	1.20E-08	1.08E-09	1.04E-09	2.12E-09	8.10E-10	5.31E-10	1.34E-09
403	563558.7	4235288	8.34E-09	7.44E-09	1.58E-08	1.41E-09	1.19E-09	2.61E-09	6.73E-09	5.46E-09	1.22E-08	1.10E-09	1.06E-09	2.16E-09	8.23E-10	5.40E-10	1.36E-09
404	563652.3	4234726	8.44E-09	7.53E-09	1.60E-08	1.43E-09	1.21E-09	2.64E-09	6.82E-09	5.52E-09	1.23E-08	1.12E-09	1.07E-09	2.19E-09	8.34E-10	5.47E-10	1.38E-09
405	563645	4234712	8.76E-09	7.82E-09	1.66E-08	1.49E-09	1.25E-09	2.74E-09	7.08E-09	5.73E-09	1.28E-08	1.16E-09	1.11E-09	2.27E-09	8.65E-10	5.68E-10	1.43E-09
406	563692.3	4234721	7.36E-09	6.57E-09	1.39E-08	1.25E-09	1.05E-09	2.30E-09	5.94E-09	4.82E-09	1.08E-08	9.74E-10	9.34E-10	1.91E-09	7.27E-10	4.77E-10	1.20E-09
407	563694.6	4234736	7.18E-09	6.40E-09	1.36E-08	1.22E-09	1.03E-09	2.24E-09	5.79E-09	4.70E-09	1.05E-08	9.49E-10	9.10E-10	1.86E-09	7.09E-10	4.65E-10	1.17E-09
408	563697	4234751	7.00E-09	6.24E-09	1.32E-08	1.19E-09	1.00E-09	2.19E-09	5.65E-09	4.58E-09	1.02E-08	9.26E-10	8.88E-10	1.81E-09	6.91E-10	4.54E-10	1.14E-09
409	563699.4	4234766	6.87E-09	6.13E-09	1.30E-08	1.17E-09	9.82E-10	2.15E-09	5.54E-09	4.49E-09	1.00E-08	9.08E-10	8.71E-10	1.78E-09	6.78E-10	4.45E-10	1.12E-09
410	563701.8	4234781	6.76E-09	6.03E-09	1.28E-08	1.15E-09	9.66E-10	2.11E-09	5.46E-09	4.42E-09	9.88E-09	8.93E-10	8.57E-10	1.75E-09	6.67E-10	4.38E-10	1.11E-09
411	563704.1	4234796	6.62E-09	5.91E-09	1.25E-08	1.12E-09	9.47E-10	2.07E-09	5.35E-09	4.33E-09	9.68E-09	8.76E-10	8.41E-10	1.72E-09	6.54E-10	4.29E-10	1.08E-09
412	563706.5	4234811	6.49E-09	5.79E-09	1.23E-08	1.10E-09	9.28E-10	2.03E-09	5.24E-09	4.25E-09	9.49E-09	8.58E-10	8.24E-10	1.68E-09	6.41E-10	4.21E-10	1.06E-09
413	563708.9	4234826	6.40E-09	5.71E-09	1.21E-08	1.09E-09	9.15E-10	2.00E-09	5.17E-09	4.19E-09	9.35E-09	8.46E-10	8.12E-10	1.66E-09	6.32E-10	4.15E-10	1.05E-09
414	563711.3	4234841	6.35E-09	5.66E-09	1.20E-08	1.08E-09	9.08E-10	1.98E-09	5.12E-09	4.15E-09	9.28E-09	8.39E-10	8.05E-10	1.64E-09	6.27E-10	4.11E-10	1.04E-09
415	563713.7	4234856	6.34E-09	5.66E-09	1.20E-08	1.08E-09	9.07E-10	1.98E-09	5.12E-09	4.15E-09	9.27E-09	8.38E-10	8.04E-10	1.64E-09	6.26E-10	4.11E-10	1.04E-09
416	563716	4234871	6.37E-09	5.68E-09	1.20E-08	1.08E-09	9.10E-10	1.99E-09	5.14E-09	4.17E-09	9.30E-09	8.42E-10	8.08E-10	1.65E-09	6.29E-10	4.13E-10	1.04E-09
417	563718.4	4234886	6.37E-09	5.68E-09	1.21E-08	1.08E-09	9.11E-10	1.99E-09	5.14E-09	4.17E-09	9.31E-09	8.43E-10	8.08E-10	1.65E-09	6.29E-10	4.13E-10	1.04E-09
418	563720.8	4234900	6.34E-09	5.66E-09	1.20E-08	1.08E-09	9.07E-10	1.98E-09	5.12E-09	4.15E-09	9.28E-09	8.39E-10	8.05E-10	1.64E-09	6.27E-10	4.11E-10	1.04E-09
419	563723.2	4234915	6.33E-09	5.65E-09	1.20E-08	1.07E-09	9.05E-10	1.98E-09	5.11E-09	4.14E-09	9.25E-09	8.37E-10	8.03E-10	1.64E-09	6.25E-10	4.10E-10	1.04E-09
420	563725.5	4234930	6.34E-09	5.65E-09	1.20E-08	1.08E-09	9.07E-10	1.98E-09	5.12E-09	4.15E-09	9.27E-09	8.38E-10	8.04E-10	1.64E-09	6.26E-10	4.11E-10	1.04E-09
421	563727.9	4234945	6.34E-09	5.66E-09	1.20E-08	1.08E-09	9.07E-10	1.98E-09	5.12E-09	4.15E-09	9.27E-09	8.38E-10	8.05E-10	1.64E-09	6.26E-10	4.11E-10	1.04E-09
422	563730.3	4234960	6.33E-09	5.64E-09	1.20E-08	1.07E-09	9.05E-10	1.98E-09	5.11E-09	4.14E-09	9.25E-09	8.37E-10	8.03E-10	1.64E-09	6.25E-10	4.10E-10	1.03E-09
423	563732.7	4234975	6.30E-09	5.62E-09	1.19E-08	1.07E-09	9.01E-10	1.97E-09	5.08E-09	4.12E-09	9.21E-09	8.33E-10	7.99E-10	1.63E-09	6.22E-10	4.08E-10	1.03E-09
424	563735	4234990	6.25E-09	5.57E-09	1.18E-08	1.06E-09	8.94E-10	1.95E-09	5.05E-09	4.09E-09	9.14E-09	8.26E-10	7.93E-10	1.62E-09	6.17E-10	4.05E-10	1.02E-09
425	563737.4	4235005	6.16E-09	5.49E-09	1.17E-08	1.05E-09	8.81E-10	1.93E-09	4.97E-09	4.03E-09	9.00E-09	8.15E-10	7.82E-10	1.60E-09	6.08E-10	3.99E-10	1.01E-09
426	563739.8	4235020	6.02E-09	5.37E-09	1.14E-08	1.02E-09	8.61E-10	1.88E-09	4.86E-09	3.94E-09	8.81E-09	7.97E-10	7.64E-10	1.56E-09	5.95E-10	3.90E-10	9.85E-10
427	563742.2	4235035	5.89E-09	5.25E-09	1.11E-08	9.99E-10	8.42E-10	1.84E-09	4.75E-09	3.85E-09	8.60E-09	7.78E-10	7.47E-10	1.53E-09	5.81E-10	3.81E-10	9.63E-10
428	563739.6	4235049	5.85E-09	5.22E-09	1.11E-08	9.93E-10	8.37E-10	1.83E-09	4.72E-09	3.83E-09	8.55E-09	7.74E-10	7.42E-10	1.52E-09	5.78E-10	3.79E-10	9.57E-10
429	563732	4235062	5.89E-09	5.25E-09	1.11E-08	9.99E-10	8.42E-10	1.84E-09	4.75E-09	3.85E-09	8.61E-09	7.79E-10	7.47E-10	1.53E-09	5.82E-10	3.82E-10	9.63E-10
430	563724.5	4235075	5.90E-09	5.27E-09	1.12E-08	1.00E-09	8.44E-10	1.85E-09	4.77E-09	3.86E-09	8.63E-09	7.81E-10	7.49E-10	1.53E-09	5.83E-10	3.83E-10	9.66E-10
431	563716.9	4235089	5.88E-09	5.25E-09	1.11E-08	9.98E-10	8.41E-10	1.84E-09	4.75E-09	3.85E-09	8.60E-09	7.78E-10	7.46E-10	1.52E-09	5.81E-10	3.81E-10	9.62E-10
432	563709.4	4235102	5.85E-09	5.22E-09	1.11E-08	9.93E-10	8.37E-10	1.83E-09	4.72E-09	3.83E-09	8.55E-09	7.74E-10	7.42E-10	1.52E-09	5.78E-10	3.79E-10	9.57E-10
433	563701.8	4235115	5.83E-09	5.20E-09	1.10E-08	9.89E-10	8.34E-10	1.82E-09	4.71E-09	3.82E-09	8.52E-09	7.71E-10	7.40E-10	1.51E-09	5.76E-10	3.78E-10	9.54E-10
434	563694.3	4235128	5.86E-09	5.23E-09	1.11E-08	9.94E-10	8.38E-10	1.83E-09	4.73E-09	3.83E-09	8.57E-09	7.75E-10	7.44E-10	1.52E-09	5.79E-10	3.80E-10	9.58E-10
435	563686.7	4235141	5.92E-09	5.28E-09	1.12E-08	1.00E-09	8.46E-10	1.85E-09	4.78E-09	3.87E-09	8.65E-09	7.82E-10	7.51E-10	1.53E-09	5.84E-10	3.83E-10	9.68E-10
436	563679.2	4235154	6.01E-09	5.36E-09	1.14E-08	1.02E-09	8.60E-10	1.88E-09	4.85E-09	3.93E-09	8.79E-09	7.95E-10	7.63E-10	1.56E-09	5.94E-10	3.90E-10	9.83E-10
437	563671.6	4235167	6.14E-09	5.48E-09	1.16E-08	1.04E-09	8.78E-10	1.92E-09	4.96E-09	4.02E-09	8.98E-09	8.12E-10	7.79E-10	1.59E-09	6.07E-10	3.98E-10	1.00E-09
438	563649	4235207	6.54E-09	5.84E-09	1.24E-08	1.11E-09	9.36E-10	2.05E-09	5.28E-09	4.28E-09	9.57E-09	8.65E-10	8.30E-10	1.70E-09	6.46E-10	4.24E-10	1.07E-09
439	563641.4	4235220	6.68E-09	5.96E-09	1.26E-08	1.13E-09	9.55E-10	2.09E-09	5.39E-09	4.37E-09	9.76E-09	8.83E-10	8.47E-10	1.73E-09	6.59E-10	4.33E-10	1.09E-09
440	563633.9	4235233	6.79E-09	6.06E-09	1.29E-08	1.15E-09	9.71E-10	2.12E-09	5.48E-09	4.44E-09	9.93E-09	8.98E-10	8.62E-10	1.76E-09	6.71E-10	4.40E-10	1.11E-09
441	563626.3	4235246	6.91E-09	6.16E-09	1.31E-08	1.17E-09	9.88E-10	2.16E-09	5.58E-09	4.52E-09	1.01E-08	9.13E-10	8.76E-10	1.79E-09	6.82E-10	4.48E-10	1.13E-09
442	563618.8	4235259	7.00E-09	6.24E-09	1.32E-08	1.19E-09	1.00E-09	2.19E-09	5.65E-09	4.58E-09	1.02E-08	9.26E-10	8.88E-10	1.81E-09	6.91E-10	4.54E-10	1.14E-09
443	563611.2	4235272	7.09E-09	6.32E-09	1.34E-08	1.20E-09	1.01E-09	2.22E-09	5.72E-09	4.64E-09	1.04E-08	9.37E-10	8.99E-10	1.84E-09	7.00E-10	4.59E-10	1.16E-09
444	563603.7	4235285	7.20E-09	6.42E-09	1.36E-08	1.22E-09	1.03E-09	2.25E-09	5.81E-09	4.71E-09	1.05E-08	9.52E-10	9.13E-10	1.87E-09	7.11E-10	4.67E-10	1.18E-09
445	563596.1	4235299	7.36E-09	6.56E-09	1.39E-08	1.25E-09	1.05E-09	2.30E-09	5.94E-09	4.81E-09	1.08E-08	9.73E-10	9.33E-10	1.91E-09	7.26E-10	4.77E-10	1.20E-09
446	563588.6	4235312	7.52E-09	6.70E-09	1.42E-08	1.28E-09	1.07E-09	2.35E-09	6.07E-09	4.92E-09	1.10E-08	9.94E-10	9.54E-10	1.95E-09	7.42E-10	4.87E-10	1.23E-09
447	563581	4235325	7.63E-09	6.81E-09	1.44E-08	1.30E-09	1.09E-09	2.39E-09	6.16E-09	5.00E-09	1.12E-08	1.01E-09	9.69E-10	1.98E-09	7.54E-10	4.95E-10	1.25E-09
448	563687.4	4234707	7.61E-09	6.79E-09	1.44E-08	1.29E-09	1.09E-09	2.38E-09	6.15E-09	4.98E-09	1.11E-08	1.01E-09	9.66E-10	1.97E-09	7.52E-10	4.93E-10	1.24E-09
449	563680.2	4234693	7.92E-09	7.06E-09	1.50E-08	1.34E-09	1.13E-09	2.48E-09	6.39E-09	5.18E-09	1.16E-08	1.05E-09	1.00E-09	2.05E-09	7.82E-10	5.13E-10	1.29E-09
450	563727.4	4234702	6.67E-09	5.95E-09	1.26E-08	1.13E-09	9.54E-10	2.09E-09	5.39E-09	4.37E-09	9.75E-09	8.82E-10	8.47E-10	1.73E-09	6.59E-10	4.32E-10	1.09E-09
451	563729.8	4234717	6.51E-09	5.81E-09	1.23E-08	1.10E-09	9.31E-10	2.04E-09	5.26E-09	4.26E-09	9.51E-09	8.61E-10	8.26E-10	1.69E-09	6.43E-10	4.22E-10	1.06E-09

452	563732.1	4234731	6.34E-09	5.66E-09	1.20E-08	1.08E-09	9.07E-10	1.98E-09	5.12E-09	4.15E-09	9.28E-09	8.39E-10	8.05E-10	1.64E-09	6.27E-10	4.11E-10	1.04E-09
453	563734.5	4234746	6.19E-09	5.52E-09	1.17E-08	1.05E-09	8.85E-10	1.93E-09	5.00E-09	4.05E-09	9.04E-09	8.18E-10	7.85E-10	1.60E-09	6.11E-10	4.01E-10	1.01E-09
454	563736.8	4234761	6.05E-09	5.40E-09	1.14E-08	1.03E-09	8.65E-10	1.89E-09	4.88E-09	3.96E-09	8.84E-09	8.00E-10	7.68E-10	1.57E-09	5.98E-10	3.92E-10	9.90E-10
455	563739.2	4234776	5.94E-09	5.30E-09	1.12E-08	1.01E-09	8.49E-10	1.86E-09	4.80E-09	3.89E-09	8.68E-09	7.85E-10	7.54E-10	1.54E-09	5.87E-10	3.85E-10	9.72E-10
456	563741.5	4234791	5.82E-09	5.19E-09	1.10E-08	9.88E-10	8.33E-10	1.82E-09	4.70E-09	3.81E-09	8.51E-09	7.70E-10	7.39E-10	1.51E-09	5.75E-10	3.77E-10	9.52E-10
457	563743.9	4234805	5.70E-09	5.09E-09	1.08E-08	9.68E-10	8.16E-10	1.78E-09	4.60E-09	3.73E-09	8.34E-09	7.54E-10	7.24E-10	1.48E-09	5.63E-10	3.70E-10	9.33E-10
458	563746.2	4234820	5.61E-09	5.01E-09	1.06E-08	9.53E-10	8.03E-10	1.76E-09	4.53E-09	3.67E-09	8.21E-09	7.43E-10	7.12E-10	1.45E-09	5.55E-10	3.64E-10	9.18E-10
459	563748.6	4234835	5.57E-09	4.97E-09	1.05E-08	9.44E-10	7.96E-10	1.74E-09	4.49E-09	3.64E-09	8.14E-09	7.36E-10	7.06E-10	1.44E-09	5.50E-10	3.61E-10	9.10E-10
460	563756.5	4235095	5.22E-09	4.66E-09	9.88E-09	8.86E-10	7.47E-10	1.63E-09	4.22E-09	3.42E-09	7.63E-09	6.90E-10	6.62E-10	1.35E-09	5.16E-10	3.38E-10	8.54E-10
461	563749.1	4235108	5.21E-09	4.65E-09	9.86E-09	8.84E-10	7.45E-10	1.63E-09	4.21E-09	3.41E-09	7.61E-09	6.89E-10	6.61E-10	1.35E-09	5.14E-10	3.38E-10	8.52E-10
462	563741.6	4235121	5.21E-09	4.65E-09	9.86E-09	8.85E-10	7.46E-10	1.63E-09	4.21E-09	3.41E-09	7.62E-09	6.89E-10	6.61E-10	1.35E-09	5.15E-10	3.38E-10	8.53E-10
463	563734.1	4235134	5.22E-09	4.66E-09	9.88E-09	8.86E-10	7.46E-10	1.63E-09	4.21E-09	3.42E-09	7.63E-09	6.90E-10	6.62E-10	1.35E-09	5.16E-10	3.38E-10	8.54E-10
464	563726.6	4235147	5.23E-09	4.66E-09	9.89E-09	8.87E-10	7.48E-10	1.63E-09	4.22E-09	3.42E-09	7.64E-09	6.91E-10	6.63E-10	1.35E-09	5.16E-10	3.39E-10	8.55E-10
465	563719.2	4235160	5.28E-09	4.71E-09	1.00E-08	8.97E-10	7.56E-10	1.65E-09	4.27E-09	3.46E-09	7.72E-09	6.99E-10	6.71E-10	1.37E-09	5.22E-10	3.42E-10	8.64E-10
466	563711.7	4235173	5.38E-09	4.80E-09	1.02E-08	9.12E-10	7.69E-10	1.68E-09	4.34E-09	3.52E-09	7.86E-09	7.11E-10	6.82E-10	1.39E-09	5.31E-10	3.48E-10	8.79E-10
467	563704.2	4235186	5.49E-09	4.90E-09	1.04E-08	9.32E-10	7.85E-10	1.72E-09	4.43E-09	3.59E-09	8.03E-09	7.26E-10	6.97E-10	1.42E-09	5.42E-10	3.56E-10	8.98E-10
468	563689.3	4235212	5.69E-09	5.07E-09	1.08E-08	9.65E-10	8.14E-10	1.78E-09	4.59E-09	3.72E-09	8.32E-09	7.52E-10	7.22E-10	1.47E-09	5.62E-10	3.69E-10	9.30E-10
469	563681.8	4235225	5.81E-09	5.19E-09	1.10E-08	9.87E-10	8.32E-10	1.82E-09	4.69E-09	3.81E-09	8.50E-09	7.69E-10	7.38E-10	1.51E-09	5.74E-10	3.77E-10	9.51E-10
470	563674.3	4235238	5.94E-09	5.30E-09	1.12E-08	1.01E-09	8.50E-10	1.86E-09	4.80E-09	3.89E-09	8.69E-09	7.86E-10	7.54E-10	1.54E-09	5.87E-10	3.85E-10	9.72E-10
471	563666.8	4235251	6.07E-09	5.42E-09	1.15E-08	1.03E-09	8.68E-10	1.90E-09	4.90E-09	3.97E-09	8.88E-09	8.03E-10	7.70E-10	1.57E-09	6.00E-10	3.93E-10	9.93E-10
472	563659.4	4235264	6.19E-09	5.52E-09	1.17E-08	1.05E-09	8.85E-10	1.94E-09	5.00E-09	4.05E-09	9.05E-09	8.19E-10	7.85E-10	1.60E-09	6.11E-10	4.01E-10	1.01E-09
473	563651.9	4235277	6.30E-09	5.62E-09	1.19E-08	1.07E-09	9.01E-10	1.97E-09	5.08E-09	4.12E-09	9.21E-09	8.33E-10	7.99E-10	1.63E-09	6.22E-10	4.08E-10	1.03E-09
474	563644.4	4235290	6.40E-09	5.71E-09	1.21E-08	1.09E-09	9.15E-10	2.00E-09	5.17E-09	4.19E-09	9.35E-09	8.46E-10	8.12E-10	1.66E-09	6.32E-10	4.15E-10	1.05E-09
475	563636.9	4235303	6.50E-09	5.80E-09	1.23E-08	1.10E-09	9.30E-10	2.03E-09	5.25E-09	4.25E-09	9.50E-09	8.60E-10	8.25E-10	1.68E-09	6.42E-10	4.21E-10	1.06E-09
476	563629.5	4235316	6.61E-09	5.90E-09	1.25E-08	1.12E-09	9.46E-10	2.07E-09	5.34E-09	4.33E-09	9.67E-09	8.75E-10	8.39E-10	1.71E-09	6.53E-10	4.29E-10	1.08E-09
477	563622	4235329	6.72E-09	6.00E-09	1.27E-08	1.14E-09	9.61E-10	2.10E-09	5.43E-09	4.40E-09	9.82E-09	8.89E-10	8.53E-10	1.74E-09	6.64E-10	4.36E-10	1.10E-09
478	563614.5	4235342	6.81E-09	6.08E-09	1.29E-08	1.16E-09	9.74E-10	2.13E-09	5.50E-09	4.46E-09	9.96E-09	9.01E-10	8.64E-10	1.76E-09	6.73E-10	4.41E-10	1.11E-09
479	563607.1	4235355	6.87E-09	6.13E-09	1.30E-08	1.17E-09	9.83E-10	2.15E-09	5.55E-09	4.50E-09	1.00E-08	9.09E-10	8.72E-10	1.78E-09	6.79E-10	4.45E-10	1.12E-09
480	563722.6	4234688	6.88E-09	6.13E-09	1.30E-08	1.17E-09	9.83E-10	2.15E-09	5.55E-09	4.50E-09	1.01E-08	9.09E-10	8.73E-10	1.78E-09	6.79E-10	4.46E-10	1.12E-09
481	563807.8	4234967	5.11E-09	4.56E-09	9.67E-09	8.68E-10	7.31E-10	1.60E-09	4.13E-09	3.35E-09	7.47E-09	6.76E-10	6.49E-10	1.32E-09	5.05E-10	3.31E-10	8.36E-10
482	563810.1	4234982	5.10E-09	4.55E-09	9.66E-09	8.66E-10	7.30E-10	1.60E-09	4.12E-09	3.34E-09	7.46E-09	6.75E-10	6.48E-10	1.32E-09	5.04E-10	3.31E-10	8.35E-10
483	563812.5	4234997	5.08E-09	4.53E-09	9.61E-09	8.62E-10	7.26E-10	1.59E-09	4.10E-09	3.32E-09	7.42E-09	6.71E-10	6.44E-10	1.32E-09	5.01E-10	3.29E-10	8.31E-10
484	563814.9	4235012	5.03E-09	4.49E-09	9.52E-09	8.54E-10	7.20E-10	1.57E-09	4.06E-09	3.29E-09	7.36E-09	6.65E-10	6.38E-10	1.30E-09	4.97E-10	3.26E-10	8.23E-10
485	563817.3	4235027	4.97E-09	4.43E-09	9.40E-09	8.43E-10	7.10E-10	1.55E-09	4.01E-09	3.25E-09	7.26E-09	6.57E-10	6.30E-10	1.29E-09	4.91E-10	3.22E-10	8.13E-10
486	563819.7	4235042	4.89E-09	4.36E-09	9.25E-09	8.29E-10	6.99E-10	1.53E-09	3.95E-09	3.20E-09	7.15E-09	6.46E-10	6.20E-10	1.27E-09	4.83E-10	3.17E-10	8.00E-10
487	563818.3	4235064	4.82E-09	4.30E-09	9.12E-09	8.18E-10	6.89E-10	1.51E-09	3.89E-09	3.15E-09	7.04E-09	6.37E-10	6.11E-10	1.25E-09	4.76E-10	3.12E-10	7.88E-10
488	563810.7	4235077	4.83E-09	4.31E-09	9.15E-09	8.20E-10	6.91E-10	1.51E-09	3.90E-09	3.16E-09	7.07E-09	6.39E-10	6.13E-10	1.25E-09	4.77E-10	3.13E-10	7.91E-10
489	563757.8	4235169	4.75E-09	4.23E-09	8.98E-09	8.05E-10	6.79E-10	1.48E-09	3.83E-09	3.11E-09	6.94E-09	6.28E-10	6.02E-10	1.23E-09	4.69E-10	3.08E-10	7.76E-10
490	563750.3	4235182	4.79E-09	4.28E-09	9.07E-09	8.13E-10	6.86E-10	1.50E-09	3.87E-09	3.14E-09	7.01E-09	6.34E-10	6.08E-10	1.24E-09	4.73E-10	3.11E-10	7.84E-10
491	563742.7	4235195	4.87E-09	4.34E-09	9.21E-09	8.26E-10	6.96E-10	1.52E-09	3.93E-09	3.19E-09	7.11E-09	6.44E-10	6.18E-10	1.26E-09	4.81E-10	3.15E-10	7.96E-10
492	563735.1	4235208	4.96E-09	4.42E-09	9.38E-09	8.41E-10	7.09E-10	1.55E-09	4.00E-09	3.24E-09	7.24E-09	6.55E-10	6.29E-10	1.28E-09	4.89E-10	3.21E-10	8.11E-10
493	563720	4235234	5.13E-09	4.58E-09	9.70E-09	8.70E-10	7.34E-10	1.60E-09	4.14E-09	3.36E-09	7.50E-09	6.78E-10	6.51E-10	1.33E-09	5.07E-10	3.32E-10	8.39E-10
494	563712.5	4235248	5.24E-09	4.67E-09	9.91E-09	8.88E-10	7.49E-10	1.64E-09	4.23E-09	3.43E-09	7.65E-09	6.92E-10	6.64E-10	1.36E-09	5.17E-10	3.39E-10	8.56E-10
495	563704.9	4235261	5.35E-09	4.77E-09	1.01E-08	9.08E-10	7.65E-10	1.67E-09	4.32E-09	3.50E-09	7.82E-09	7.07E-10	6.79E-10	1.39E-09	5.28E-10	3.47E-10	8.75E-10
496	563697.4	4235274	5.46E-09	4.87E-09	1.03E-08	9.27E-10	7.81E-10	1.71E-09	4.41E-09	3.57E-09	7.98E-09	7.22E-10	6.93E-10	1.42E-09	5.39E-10	3.54E-10	8.93E-10
497	563689.8	4235287	5.57E-09	4.97E-09	1.05E-08	9.45E-10	7.97E-10	1.74E-09	4.50E-09	3.65E-09	8.14E-09	7.37E-10	7.07E-10	1.44E-09	5.50E-10	3.61E-10	9.11E-10
498	563682.3	4235300	5.68E-09	5.07E-09	1.07E-08	9.63E-10	8.12E-10	1.78E-09	4.58E-09	3.72E-09	8.30E-09	7.51E-10	7.20E-10	1.47E-09	5.61E-10	3.68E-10	9.29E-10
499	563674.7	4235313	5.78E-09	5.16E-09	1.09E-08	9.81E-10	8.27E-10	1.81E-09	4.67E-09	3.78E-09	8.45E-09	7.64E-10	7.33E-10	1.50E-09	5.71E-10	3.75E-10	9.45E-10
500	563667.1	4235326	5.88E-09	5.24E-09	1.11E-08	9.97E-10	8.41E-10	1.84E-09	4.75E-09	3.85E-09	8.59E-09	7.77E-10	7.46E-10	1.52E-09	5.80E-10	3.81E-10	9.61E-10
501	563659.6	4235340	5.98E-09	5.34E-09	1.13E-08	1.02E-09	8.56E-10	1.87E-09	4.83E-09	3.92E-09	8.75E-09	7.91E-10	7.59E-10	1.55E-09	5.91E-10	3.88E-10	9.79E-10
502	563652	4235353	6.07E-09	5.41E-09	1.15E-08	1.03E-09	8.68E-10	1.90E-09	4.90E-09	3.97E-09	8.87E-09	8.03E-10	7.70E-10	1.57E-09	5.99E-10	3.93E-10	9.93E-10
503	563644.5	4235366	6.14E-09	5.47E-09	1.16E-08	1.04E-09	8.78E-10	1.92E-09	4.95E-09	4.02E-09	8.97E-09	8.11E-10	7.79E-10	1.59E-09	6.06E-10	3.98E-10	1.00E-09
504	563636.9	4235379	6.18E-09	5.51E-09	1.17E-08	1.05E-09	8.84E-10	1.93E-09	4.99E-09	4.04E-09	9.04E-09	8.17E-10	7.84E-10	1.60E-09	6.10E-10	4.01E-10	1.01E-09
505	563804.8	4234708	5.38E-09	4.80E-09	1.02E-08	9.14E-10	7.70E-10	1.68E-09	4.35E-09	3.52E-09	7.87E-09	7.12E-10	6.83E-10	1.40E-09	5.32E-10	3.49E-10	8.81E-10
506	563807.2	4234723	5.25E-09	4.69E-09	9.94E-09	8.92E-10	7.51E-10	1.64E-09	4.24E-09	3.44E-09	7.68E-09	6.95E-10	6.67E-10	1.36E-09	5.19E-10	3.41E-10	8.59E-10
507	563809.5	4234738	5.11E-09	4.56E-09	9.67E-09	8.67E-10	7.31E-10	1.60E-09	4.13E-09	3.34E-09	7.47E-09	6.76E-10	6.48E-10	1.32E-09	5.05E-10	3.31E-10	8.36E-10
508	563811.9	4234753	4.97E-09	4.43E-09	9.40E-09	8.43E-10	7.10E-10	1.55E-09	4.01E-09	3.25E-09	7.26E-09	6.57E-10	6.30E-10	1.29E-09	4.91E-10	3.22E-10	8.12E-10
509	563814.2	4234768	4.80E-09	4.28E-09	9.08E-09	8.14E-10	6.86E-10	1.50E-09	3.87E-09	3.14E-09	7.01E-09	6.34E-10	6.09E-10	1.24E-09	4.74E-10	3.11E-10	7.85E-10
510	563816.6	4234782	4.62E-09	4.12E-09	8.75E-09	7.84E-10	6.61E-10	1.45E-09	3.73E-09	3.03E-09	6.76E-09	6.11E-10	5.87E-10	1.20E-09	4.57E-10	3.00E-10	7.56E-10
511	563818.9	4234797	4.50E-09	4.02E-09	8.52E-09	7.64E-10	6.44E-10	1.41E-09	3.63E-09	2.95E-09	6.58E-09	5.95E-10	5.71E-10	1.17E-09	4.45E-10	2.92E-10	7.36E-10
512	563821.3	4234812	4.41E-09	3.94E-09	8.35E-09	7.49E-10	6.31E-10	1.38E-09	3.56E-09	2.89E-09	6.45E-09	5.84E-10	5.60E-10	1.14E-09	4.36E-10	2.86E-10	7.22E-10
513	563823.7	4234827	4.33E-09	3.87E-09	8.20E-09	7.35E-10	6.20E-10	1.35E-09	3.50E-09	2.84E-09	6.33E-09	5.73E-10	5.50E-10	1.12E-09	4.28E-10	2.81E-10	7.09E-10
514	563826	4234842	4.26E-09	3.80E-09	8.07E-09	7.23E-10	6.10E-10	1.33E-09	3.44E-09	2.79E-09	6.23E-09	5.64E-10	5.41E-10	1.10E-09	4.21E-10	2.76E-10	6.97E-10
515	563828.4	4234857	4.23E-09	3.77E-09	8.00E-09	7.17E-10	6.04E-10	1.32E-09	3.41E-09	2.77E-09	6.18E-09	5.59E-10	5.36E-10	1.10E-09	4.17E-10	2.74E-10	6.91E-10
516	563830.7	4234871	4.22E-09	3.77E-09	7.99E-09	7.16E-10	6.04E-10	1.32E-09	3.41E-09	2.76E-09	6.17E-09	5.58E-10	5.36E-10	1.09E-09	4.17E-10	2.74E-10	6.90E-10
517	563833.1	4234886	3.84E-09	3.43E-09	7.27E-09	6.52E-10	5.49E-10	1.20E-09	3.10E-09	2.51E-09	5.61E-09	5.08E-10	4.87E-10	9.95E-10	3.79E-10	2.49E-10	6.28E-10
518	563835.4	4234901	3.85E-09	3.44E-09	7.29E-09	6.54E-10	5.51E-10	1.21E-09	3.11E-09	2.52E-09	5.63E-09	5.10E-10	4.89E-10	9.99E-10	3.81E-10	2.50E-10	6.30E-10
519	563837.8	4234916	3.88E-09	3.46E-09	7.35E-09	6.59E-10	5.55E-10	1.21E-09	3.13E-09	2.54E-09	5.67E-09	5.13E-10	4.93E-10	1.01E-09	3.83E-10	2.52E-10	6.35E-10
520	563840.2	4234931	3.91E-09	3.49E-09	7.40E-09	6.64E-10	5.59E-10	1.22E-09	3.16E-09	2.56E-09	5.72E-09	5.17E-10	4.96E-10	1.01E-09	3.86E-10	2.53E-10	6.40E-10
521	563842.5	4234946	3.94E-09	3.51E-09	7.45E-09	6.68E-10	5.63E-10	1.23E-09	3.18E-09	2.58E-09	5.76E-09	5.21E-10	5.00E-10	1.02E-09	3.89E-10	2.55E-10	6.44E-10
522	563844.9	4234960	3.97E-09	3.54E-09	7.50E-09	6.73E-10	5.67E-10	1.24E-09	3.20E-09	2.60E-09	5.80E-09	5.25E-10	5.03E-10	1.03E-09	3.92E-10	2.57E-10	6.49E-10
523	563847.2	4234975	3.99E-09	3.56E-09	7.55E-09	6.77E-10	5.71E-10	1.25E-09	3.22E-09	2.61E-09	5.83E-09	5.28E-10	5.06E-10	1.03E-09	3.94E-10	2.59E-10	6.53E-10
524	563849.6	4234990	3.97E-09	3.54E-09	7.52E-09	6.74E-10	5.68E-10	1.24E-09	3.21E-09	2.60E-09	5.81E-09	5.25E-10	5.04E-10	1.03E-09	3.92E-10	2.58E-10	6.50E-10
525	563851.9	4235005	3.94E-09	3.52E-09	7.46E-09	6.69E-10	5.64E-10	1.23E-09	3.18E-09	2.58E-09	5.77E-09	5.22E-10	5.00E-10	1.02E-09	3.89E-10	2.56E-10	6.45E-10
526	563854.3	4235020	3.92E-09	3.50E-09	7.42E-09	6.65E-10	5.61E-10	1.23E-09	3.17E-09	2.57E-09	5.73E-09	5.18E-10	4.97E-10	1.02E-09	3.87E-10	2.54E-10	6.41E-10
527	563856.7	4235035	3.88E-09	3.46E-09	7.35E-09	6.59E-10	5.55E-10	1.21E-09	3.14E-09	2.54E-09	5.68E-09	5.14E-10	4.93E-10	1.01E-09	3.84E-10	2.52E-10	6.35E-10
528	563859	4235049	3.84E-09	3.42E-09	7.26E-09	6.51E-10	5.49E-10	1.20E-09	3.10E-09	2.51E-09	5.61E-09	5.08E-10	4.87E-10	9.95E-10	3.79E-10	2.49E-10	6.28E-10
529	563857.6	4235071	3.84E-09	3.42E-09	7.26E-09	6.51E-10	5.49E-10	1.20E-09	3.10E-09	2.51E-09	5.61E-09	5.07E-10	4.87E-10	9.94E-10	3.79E-10	2.49E-10	6.27E-10
530	563850.1	4235084	3.93E-09	3.51E-09	7.44E-09	6.67E-10	5.62E-10	1.23E-09	3.17E-09	2.57E-09	5.74E-09	5.20E-10	4.99E-10	1.02E-09	3.88E-10	2.55E-10	6.43E-10
531	563842.7	4235097	4.09E-09	3.64E-09	7.73E-09	6.93E-10	5.84E-10	1.28E-09	3.30E-09	2.67E-09	5.97E-09	5.40E-10	5.18E-10	1.06E-09	4.03E-10	2.65E-10	6.68E-10
532	563835.2	4235110	4.40E-09	3.92E-09	8.32E-09	7.46E-10	6.29E-10	1.37E-09	3.55E-09	2.88E-09	6.43E-09	5.81E-10	5.58E-10	1.14E-09	4.34E-10	2.85E-10	7.19E-10
533	563827.7	4235123	4.40E-09	3.92E-09	8.32E-09	7.46E-10	6.29E-10	1.37E-09	3.55E-09	2.88E-09	6.43E-09	5.81E-10	5.58E-10	1.14E-09	4.34E-10	2.85E-10	7.19E-10
534	563820.2	4235136	4.39E-09	3.91E-09	8.30E-09	7.44E-10	6.27E-10	1.37E-09	3.54E-09	2.87E-09	6.41E-09	5.80E-10	5.57E-10	1.14E-09	4.33E-10	2.84E-10	7.17E-10
535	563812.7	4235149	4.36E-09	3.89E-09	8.25E-09	7.40E-10	6.23E-10	1.36E-09	3.52E-09	2.85E-09	6.37E-09	5.76E-10	5.53E-10	1.13E-09	4.30E-10	2.82E-10	7.13E-10
536	563752.8	4235253	4.64E-09	4.14E-09	8.78E-09	7.88E-10	6.64E-10	1.45E-09	3.75E-09	3.04E-09	6.79E-09	6.14E-10	5.89E-10	1.20E-09	4.59E-10	3.01E-10	7.59E-10
537	563745.3	4235266	4.74E-09	4.23E-09	8.96E-09	8.04E-10	6.77E-10	1.48E-09	3.82E-09	3.10E-09	6.92E-09	6.26E-10	6.01E-10	1.23E-09	4.68E-10	3.07E-10	7.75E-10
538	563737.8	4235279	4.83E-09	4.31E-09	9.14E-09	8.19E-10	6.91E-10	1.51E-09	3.90E-09	3.16E-09	7.06E-09	6.39E-10	6.13E-10	1.25E-09	4.77E-10	3.13E-10	7.90E-10
539	563730.3	4235292	4.92E-09	4.39E-09	9.31E-09	8.35E-10	7.03E-10	1.54E-09	3.97E-09	3.22E-09	7.19E-09	6.51E-10	6.24E-10	1.27E-09	4.86E-10	3.19E-10	8.05E-10
540	563722.8	4235305	5.02E-09	4.48E-09	9.49E-09	8.51E-10	7.18E-10	1.57E-09	4.05E-09	3.28E-09	7.33E-09	6.64E-10	6.37E-10	1.30E-09	4.96E-10	3.25E-10	8.21E-10
541	563715.3	4235318	5.12E-09	4.57E-09	9.68E-09	8.69E-10	7.32E-10	1.60E-09	4.13E-09	3.35E-09	7.48E-09	6.77E-10	6.50E-10	1.33E-09	5.06E-10	3.32E-10	8.37E-10
542	563707.8	4235331	5.21E-09	4.65E-09	9.86E-09	8.84E-10	7.45E-10	1.63E-09	4.21E-09	3.41E-09	7.62E-09	6.89E-10	6.61E-10	1.35E-09	5.14E-10	3.38E-10	8.52E-10

543	563700.4	4235344	5.30E-09	4.73E-09	1.00E-08	8.99E-10	7.58E-10	1.66E-09	4.28E-09	3.47E-09	7.75E-09	7.01E-10	6.73E-10	1.37E-09	5.23E-10	3.43E-10	8.67E-10
544	563692.9	4235357	5.38E-09	4.80E-09	1.02E-08	9.14E-10	7.70E-10	1.68E-09	4.35E-09	3.52E-09	7.87E-09	7.12E-10	6.83E-10	1.40E-09	5.32E-10	3.49E-10	8.81E-10
545	563685.4	4235370	5.46E-09	4.87E-09	1.03E-08	9.26E-10	7.80E-10	1.71E-09	4.40E-09	3.57E-09	7.98E-09	7.21E-10	6.92E-10	1.41E-09	5.39E-10	3.54E-10	8.92E-10
546	563677.9	4235383	5.52E-09	4.93E-09	1.05E-08	9.37E-10	7.90E-10	1.73E-09	4.46E-09	3.62E-09	8.08E-09	7.31E-10	7.01E-10	1.43E-09	5.46E-10	3.58E-10	9.04E-10
547	563670.4	4235396	5.57E-09	4.97E-09	1.05E-08	9.46E-10	7.97E-10	1.74E-09	4.50E-09	3.65E-09	8.15E-09	7.37E-10	7.07E-10	1.44E-09	5.50E-10	3.61E-10	9.12E-10
548	563662.9	4235409	5.61E-09	5.00E-09	1.06E-08	9.51E-10	8.02E-10	1.75E-09	4.53E-09	3.67E-09	8.20E-09	7.42E-10	7.12E-10	1.45E-09	5.54E-10	3.63E-10	9.17E-10
549	563844.8	4234720	4.81E-09	4.29E-09	9.10E-09	8.16E-10	6.88E-10	1.50E-09	3.88E-09	3.15E-09	7.03E-09	6.36E-10	6.10E-10	1.25E-09	4.75E-10	3.12E-10	7.87E-10
550	563847.2	4234735	4.68E-09	4.18E-09	8.86E-09	7.94E-10	6.69E-10	1.46E-09	3.78E-09	3.06E-09	6.84E-09	6.19E-10	5.94E-10	1.21E-09	4.62E-10	3.03E-10	7.66E-10
551	563849.5	4234749	4.53E-09	4.04E-09	8.58E-09	7.69E-10	6.48E-10	1.42E-09	3.66E-09	2.97E-09	6.63E-09	6.00E-10	5.75E-10	1.17E-09	4.48E-10	2.94E-10	7.42E-10
552	563851.9	4234764	4.38E-09	3.90E-09	8.28E-09	7.43E-10	6.26E-10	1.37E-09	3.53E-09	2.86E-09	6.40E-09	5.79E-10	5.55E-10	1.13E-09	4.32E-10	2.84E-10	7.16E-10
553	563854.3	4234779	4.22E-09	3.76E-09	7.98E-09	7.16E-10	6.03E-10	1.32E-09	3.41E-09	2.76E-09	6.17E-09	5.58E-10	5.35E-10	1.09E-09	4.17E-10	2.73E-10	6.90E-10
554	563856.7	4234794	4.08E-09	3.64E-09	7.73E-09	6.93E-10	5.84E-10	1.28E-09	3.30E-09	2.67E-09	5.97E-09	5.40E-10	5.18E-10	1.06E-09	4.03E-10	2.65E-10	6.68E-10
555	563859.1	4234809	3.96E-09	3.54E-09	7.50E-09	6.73E-10	5.67E-10	1.24E-09	3.20E-09	2.59E-09	5.79E-09	5.24E-10	5.03E-10	1.03E-09	3.91E-10	2.57E-10	6.48E-10
556	563861.4	4234824	3.56E-09	3.18E-09	6.74E-09	6.04E-10	5.09E-10	1.11E-09	2.88E-09	2.33E-09	5.21E-09	4.71E-10	4.52E-10	9.23E-10	3.52E-10	2.31E-10	5.83E-10
557	563863.8	4234839	3.45E-09	3.08E-09	6.53E-09	5.86E-10	4.94E-10	1.08E-09	2.79E-09	2.26E-09	5.05E-09	4.56E-10	4.38E-10	8.94E-10	3.41E-10	2.24E-10	5.65E-10
558	563866.2	4234854	3.39E-09	3.03E-09	6.42E-09	5.76E-10	4.85E-10	1.06E-09	2.74E-09	2.22E-09	4.96E-09	4.49E-10	4.31E-10	8.80E-10	3.35E-10	2.20E-10	5.55E-10
559	563868.6	4234869	3.38E-09	3.01E-09	6.39E-09	5.73E-10	4.83E-10	1.06E-09	2.73E-09	2.21E-09	4.94E-09	4.46E-10	4.28E-10	8.75E-10	3.33E-10	2.19E-10	5.52E-10
560	563871	4234884	3.32E-09	2.97E-09	6.29E-09	5.64E-10	4.75E-10	1.04E-09	2.68E-09	2.18E-09	4.86E-09	4.40E-10	4.22E-10	8.61E-10	3.28E-10	2.15E-10	5.44E-10
561	563873.3	4234899	3.22E-09	2.87E-09	6.09E-09	5.46E-10	4.61E-10	1.01E-09	2.60E-09	2.11E-09	4.71E-09	4.26E-10	4.09E-10	8.35E-10	3.18E-10	2.09E-10	5.27E-10
562	563875.7	4234914	3.19E-09	2.85E-09	6.04E-09	5.42E-10	4.56E-10	9.98E-10	2.58E-09	2.09E-09	4.67E-09	4.22E-10	4.05E-10	8.27E-10	3.15E-10	2.07E-10	5.22E-10
563	563878.1	4234929	3.23E-09	2.88E-09	6.12E-09	5.49E-10	4.62E-10	1.01E-09	2.61E-09	2.12E-09	4.73E-09	4.28E-10	4.10E-10	8.38E-10	3.19E-10	2.10E-10	5.29E-10
564	563880.5	4234944	3.34E-09	2.98E-09	6.32E-09	5.67E-10	4.78E-10	1.04E-09	2.70E-09	2.19E-09	4.88E-09	4.42E-10	4.24E-10	8.66E-10	3.30E-10	2.16E-10	5.46E-10
565	563882.9	4234959	3.48E-09	3.11E-09	6.59E-09	5.91E-10	4.98E-10	1.09E-09	2.81E-09	2.28E-09	5.09E-09	4.61E-10	4.42E-10	9.03E-10	3.44E-10	2.26E-10	5.70E-10
566	563885.2	4234974	3.51E-09	3.13E-09	6.63E-09	5.95E-10	5.01E-10	1.10E-09	2.83E-09	2.29E-09	5.12E-09	4.64E-10	4.45E-10	9.08E-10	3.46E-10	2.27E-10	5.73E-10
567	563887.6	4234989	3.44E-09	3.07E-09	6.51E-09	5.84E-10	4.92E-10	1.08E-09	2.78E-09	2.25E-09	5.03E-09	4.55E-10	4.37E-10	8.92E-10	3.40E-10	2.23E-10	5.63E-10
568	563890	4235004	3.42E-09	3.05E-09	6.48E-09	5.81E-10	4.90E-10	1.07E-09	2.76E-09	2.24E-09	5.00E-09	4.53E-10	4.34E-10	8.87E-10	3.38E-10	2.22E-10	5.60E-10
569	563892.4	4235019	3.44E-09	3.07E-09	6.50E-09	5.83E-10	4.91E-10	1.07E-09	2.77E-09	2.25E-09	5.02E-09	4.54E-10	4.36E-10	8.91E-10	3.39E-10	2.23E-10	5.62E-10
570	563894.8	4235034	3.44E-09	3.07E-09	6.51E-09	5.84E-10	4.92E-10	1.08E-09	2.78E-09	2.25E-09	5.03E-09	4.55E-10	4.36E-10	8.91E-10	3.40E-10	2.23E-10	5.63E-10
571	563897.1	4235049	3.43E-09	3.06E-09	6.50E-09	5.83E-10	4.91E-10	1.07E-09	2.77E-09	2.25E-09	5.02E-09	4.54E-10	4.36E-10	8.90E-10	3.39E-10	2.23E-10	5.62E-10
572	563899.5	4235064	3.42E-09	3.05E-09	6.47E-09	5.80E-10	4.89E-10	1.07E-09	2.76E-09	2.24E-09	5.00E-09	4.52E-10	4.34E-10	8.86E-10	3.38E-10	2.22E-10	5.59E-10
573	563896.9	4235078	3.42E-09	3.05E-09	6.48E-09	5.81E-10	4.90E-10	1.07E-09	2.76E-09	2.24E-09	5.00E-09	4.53E-10	4.34E-10	8.87E-10	3.38E-10	2.22E-10	5.60E-10
574	563889.4	4235091	3.47E-09	3.10E-09	6.57E-09	5.89E-10	4.96E-10	1.09E-09	2.80E-09	2.27E-09	5.07E-09	4.59E-10	4.40E-10	9.00E-10	3.43E-10	2.25E-10	5.68E-10
575	563881.8	4235104	3.58E-09	3.19E-09	6.77E-09	6.07E-10	5.12E-10	1.12E-09	2.89E-09	2.34E-09	5.23E-09	4.73E-10	4.54E-10	9.27E-10	3.53E-10	2.32E-10	5.85E-10
576	563874.3	4235118	3.71E-09	3.31E-09	7.02E-09	6.29E-10	5.30E-10	1.16E-09	3.00E-09	2.43E-09	5.42E-09	4.91E-10	4.71E-10	9.61E-10	3.66E-10	2.40E-10	6.07E-10
577	563866.7	4235131	4.03E-09	3.59E-09	7.62E-09	6.84E-10	5.76E-10	1.26E-09	3.25E-09	2.64E-09	5.89E-09	5.33E-10	5.11E-10	1.04E-09	3.98E-10	2.61E-10	6.59E-10
578	563859.1	4235144	4.03E-09	3.60E-09	7.63E-09	6.85E-10	5.77E-10	1.26E-09	3.26E-09	2.64E-09	5.90E-09	5.34E-10	5.12E-10	1.05E-09	3.98E-10	2.61E-10	6.60E-10
579	563851.6	4235157	4.04E-09	3.60E-09	7.64E-09	6.85E-10	5.78E-10	1.26E-09	3.26E-09	2.64E-09	5.90E-09	5.34E-10	5.12E-10	1.05E-09	3.99E-10	2.62E-10	6.61E-10
580	563844	4235170	4.02E-09	3.58E-09	7.60E-09	6.81E-10	5.74E-10	1.26E-09	3.24E-09	2.63E-09	5.87E-09	5.31E-10	5.10E-10	1.04E-09	3.97E-10	2.60E-10	6.57E-10
581	563836.5	4235183	3.98E-09	3.55E-09	7.52E-09	6.75E-10	5.69E-10	1.24E-09	3.21E-09	2.60E-09	5.81E-09	5.26E-10	5.05E-10	1.03E-09	3.93E-10	2.58E-10	6.50E-10
582	563828.9	4235196	3.95E-09	3.53E-09	7.48E-09	6.71E-10	5.65E-10	1.24E-09	3.19E-09	2.59E-09	5.78E-09	5.23E-10	5.02E-10	1.02E-09	3.90E-10	2.56E-10	6.47E-10
583	563760.8	4235315	4.49E-09	4.00E-09	8.49E-09	7.61E-10	6.42E-10	1.40E-09	3.62E-09	2.94E-09	6.56E-09	5.93E-10	5.69E-10	1.16E-09	4.43E-10	2.91E-10	7.34E-10
584	563753.3	4235328	4.57E-09	4.08E-09	8.65E-09	7.76E-10	6.54E-10	1.43E-09	3.69E-09	2.99E-09	6.68E-09	6.05E-10	5.80E-10	1.18E-09	4.52E-10	2.96E-10	7.48E-10
585	563745.7	4235341	4.66E-09	4.15E-09	8.81E-09	7.90E-10	6.66E-10	1.46E-09	3.76E-09	3.05E-09	6.81E-09	6.16E-10	5.91E-10	1.21E-09	4.60E-10	3.02E-10	7.62E-10
586	563738.2	4235354	4.74E-09	4.23E-09	8.97E-09	8.04E-10	6.78E-10	1.48E-09	3.83E-09	3.10E-09	6.93E-09	6.27E-10	6.01E-10	1.23E-09	4.68E-10	3.07E-10	7.75E-10
587	563730.6	4235367	4.82E-09	4.30E-09	9.12E-09	8.18E-10	6.89E-10	1.51E-09	3.89E-09	3.15E-09	7.05E-09	6.37E-10	6.12E-10	1.25E-09	4.76E-10	3.12E-10	7.88E-10
588	563723	4235381	4.88E-09	4.36E-09	9.24E-09	8.29E-10	6.98E-10	1.53E-09	3.94E-09	3.20E-09	7.14E-09	6.46E-10	6.20E-10	1.27E-09	4.82E-10	3.16E-10	7.99E-10
589	563715.5	4235394	4.93E-09	4.40E-09	9.33E-09	8.37E-10	7.05E-10	1.54E-09	3.98E-09	3.23E-09	7.21E-09	6.52E-10	6.26E-10	1.28E-09	4.87E-10	3.20E-10	8.07E-10
590	563707.9	4235407	4.97E-09	4.44E-09	9.41E-09	8.44E-10	7.11E-10	1.55E-09	4.02E-09	3.25E-09	7.27E-09	6.58E-10	6.31E-10	1.29E-09	4.91E-10	3.22E-10	8.13E-10
591	563700.4	4235420	5.01E-09	4.47E-09	9.48E-09	8.51E-10	7.17E-10	1.57E-09	4.05E-09	3.28E-09	7.33E-09	6.63E-10	6.36E-10	1.30E-09	4.95E-10	3.25E-10	8.20E-10
592	563692.8	4235433	5.07E-09	4.52E-09	9.59E-09	8.60E-10	7.25E-10	1.58E-09	4.09E-09	3.32E-09	7.41E-09	6.70E-10	6.43E-10	1.31E-09	5.01E-10	3.28E-10	8.29E-10
593	563685.2	4235446	5.12E-09	4.57E-09	9.69E-09	8.69E-10	7.33E-10	1.60E-09	4.14E-09	3.35E-09	7.49E-09	6.77E-10	6.50E-10	1.33E-09	5.06E-10	3.32E-10	8.38E-10
594	563886.9	4234744	4.12E-09	3.67E-09	7.79E-09	6.99E-10	5.89E-10	1.29E-09	3.33E-09	2.69E-09	6.02E-09	5.45E-10	5.23E-10	1.07E-09	4.07E-10	2.67E-10	6.74E-10
595	563889.3	4234759	3.95E-09	3.53E-09	7.48E-09	6.71E-10	5.65E-10	1.24E-09	3.19E-09	2.59E-09	5.78E-09	5.23E-10	5.01E-10	1.02E-09	3.90E-10	2.56E-10	6.46E-10
596	563891.6	4234774	3.83E-09	3.41E-09	7.24E-09	6.49E-10	5.47E-10	1.20E-09	3.09E-09	2.50E-09	5.59E-09	5.06E-10	4.85E-10	9.91E-10	3.78E-10	2.48E-10	6.26E-10
597	563894	4234789	3.47E-09	3.10E-09	6.57E-09	5.89E-10	4.97E-10	1.09E-09	2.80E-09	2.27E-09	5.08E-09	4.59E-10	4.41E-10	9.00E-10	3.43E-10	2.25E-10	5.68E-10
598	563896.4	4234804	3.28E-09	2.92E-09	6.20E-09	5.56E-10	4.69E-10	1.02E-09	2.65E-09	2.15E-09	4.79E-09	4.33E-10	4.16E-10	8.49E-10	3.24E-10	2.12E-10	5.36E-10
599	563898.7	4234819	3.10E-09	2.77E-09	5.87E-09	5.26E-10	4.44E-10	9.70E-10	2.51E-09	2.03E-09	4.54E-09	4.10E-10	3.94E-10	8.04E-10	3.06E-10	2.01E-10	5.08E-10
600	563901.1	4234834	3.01E-09	2.69E-09	5.70E-09	5.11E-10	4.30E-10	9.41E-10	2.43E-09	1.97E-09	4.40E-09	3.98E-10	3.82E-10	7.80E-10	2.97E-10	1.95E-10	4.92E-10
601	563903.5	4234848	2.94E-09	2.62E-09	5.55E-09	4.98E-10	4.20E-10	9.18E-10	2.37E-09	1.92E-09	4.29E-09	3.88E-10	3.72E-10	7.61E-10	2.90E-10	1.90E-10	4.80E-10
602	563905.8	4234863	2.89E-09	2.58E-09	5.47E-09	4.91E-10	4.14E-10	9.05E-10	2.34E-09	1.89E-09	4.23E-09	3.83E-10	3.67E-10	7.50E-10	2.86E-10	1.88E-10	4.73E-10
603	563908.2	4234878	2.87E-09	2.56E-09	5.44E-09	4.88E-10	4.11E-10	8.99E-10	2.32E-09	1.88E-09	4.20E-09	3.80E-10	3.65E-10	7.45E-10	2.84E-10	1.86E-10	4.70E-10
604	563910.5	4234893	2.88E-09	2.57E-09	5.44E-09	4.88E-10	4.11E-10	9.00E-10	2.32E-09	1.88E-09	4.21E-09	3.80E-10	3.65E-10	7.46E-10	2.84E-10	1.86E-10	4.71E-10
605	563912.9	4234908	2.90E-09	2.58E-09	5.48E-09	4.92E-10	4.14E-10	9.06E-10	2.34E-09	1.90E-09	4.24E-09	3.83E-10	3.68E-10	7.51E-10	2.86E-10	1.88E-10	4.74E-10
606	563915.3	4234923	2.93E-09	2.62E-09	5.55E-09	4.97E-10	4.19E-10	9.17E-10	2.37E-09	1.92E-09	4.29E-09	3.88E-10	3.72E-10	7.60E-10	2.90E-10	1.90E-10	4.80E-10
607	563917.6	4234938	2.98E-09	2.66E-09	5.63E-09	5.05E-10	4.26E-10	9.31E-10	2.40E-09	1.95E-09	4.35E-09	3.94E-10	3.78E-10	7.71E-10	2.94E-10	1.93E-10	4.87E-10
608	563920	4234952	3.03E-09	2.70E-09	5.72E-09	5.13E-10	4.33E-10	9.46E-10	2.44E-09	1.98E-09	4.42E-09	4.00E-10	3.84E-10	7.84E-10	2.99E-10	1.96E-10	4.95E-10
609	563922.3	4234967	3.08E-09	2.74E-09	5.82E-09	5.22E-10	4.40E-10	9.62E-10	2.48E-09	2.01E-09	4.50E-09	4.07E-10	3.90E-10	7.97E-10	3.04E-10	1.99E-10	5.03E-10
610	563924.7	4234982	3.12E-09	2.78E-09	5.90E-09	5.29E-10	4.46E-10	9.76E-10	2.52E-09	2.04E-09	4.56E-09	4.13E-10	3.96E-10	8.09E-10	3.08E-10	2.02E-10	5.10E-10
611	563927.1	4234997	3.16E-09	2.82E-09	5.98E-09	5.36E-10	4.52E-10	9.87E-10	2.55E-09	2.07E-09	4.62E-09	4.18E-10	4.01E-10	8.18E-10	3.12E-10	2.05E-10	5.17E-10
612	563929.4	4235012	3.19E-09	2.84E-09	6.03E-09	5.41E-10	4.56E-10	9.96E-10	2.57E-09	2.09E-09	4.66E-09	4.21E-10	4.04E-10	8.26E-10	3.15E-10	2.07E-10	5.21E-10
613	563931.8	4235027	3.20E-09	2.85E-09	6.05E-09	5.43E-10	4.57E-10	1.00E-09	2.58E-09	2.09E-09	4.68E-09	4.23E-10	4.06E-10	8.29E-10	3.16E-10	2.07E-10	5.23E-10
614	563934.2	4235042	3.06E-09	2.73E-09	5.80E-09	5.20E-10	4.38E-10	9.58E-10	2.47E-09	2.01E-09	4.48E-09	4.05E-10	3.89E-10	7.94E-10	3.03E-10	1.99E-10	5.01E-10
615	563936.5	4235057	2.94E-09	2.62E-09	5.56E-09	4.99E-10	4.21E-10	9.20E-10	2.37E-09	1.92E-09	4.30E-09	3.89E-10	3.73E-10	7.62E-10	2.90E-10	1.91E-10	4.81E-10
616	563938.9	4235071	3.04E-09	2.71E-09	5.75E-09	5.16E-10	4.35E-10	9.51E-10	2.46E-09	1.99E-09	4.44E-09	4.02E-10	3.86E-10	7.88E-10	3.00E-10	1.97E-10	4.97E-10
617	563936.3	4235085	3.17E-09	2.83E-09	6.00E-09	5.38E-10	4.54E-10	9.92E-10	2.56E-09	2.08E-09	4.64E-09	4.19E-10	4.02E-10	8.22E-10	3.13E-10	2.06E-10	5.19E-10
618	563928.8	4235098	3.22E-09	2.87E-09	6.09E-09	5.47E-10	4.61E-10	1.01E-09	2.60E-09	2.11E-09	4.71E-09	4.26E-10	4.09E-10	8.35E-10	3.18E-10	2.09E-10	5.27E-10
619	563921.3	4235111	3.18E-09	2.84E-09	6.02E-09	5.40E-10	4.55E-10	9.95E-10	2.57E-09	2.08E-09	4.65E-09	4.21E-10	4.04E-10	8.24E-10	3.14E-10	2.06E-10	5.20E-10
620	563913.8	4235124	3.24E-09	2.89E-09	6.12E-09	5.49E-10	4.63E-10	1.01E-09	2.61E-09	2.12E-09	4.73E-09	4.28E-10	4.11E-10	8.39E-10	3.20E-10	2.10E-10	5.29E-10
621	563906.3	4235137	3.34E-09	2.98E-09	6.32E-09	5.67E-10	4.78E-10	1.04E-09	2.70E-09	2.19E-09	4.88E-09	4.42E-10	4.24E-10	8.66E-10	3.30E-10	2.16E-10	5.46E-10
622	563898.8	4235151	3.45E-09	3.08E-09	6.53E-09	5.85E-10	4.93E-10	1.08E-09	2.79E-09	2.26E-09	5.04E-09	4.56E-10	4.38E-10	8.94E-10	3.41E-10	2.24E-10	5.64E-10
623	563891.3	4235164	3.70E-09	3.30E-09	7.00E-09	6.27E-10	5.29E-10	1.16E-09	2.99E-09	2.42E-09	5.41E-09	4.89E-10	4.69E-10	9.58E-10	3.65E-10	2.40E-10	6.05E-10
624	563883.8	4235177	3.72E-09	3.32E-09	7.04E-09	6.31E-10	5.32E-10	1.16E-09	3.00E-09	2.43E-09	5.44E-09	4.92E-10	4.72E-10	9.64E-10	3.67E-10	2.41E-10	6.08E-10
625	563876.3	4235190	3.70E-09	3.31E-09	7.01E-09	6.29E-10	5.30E-10	1.16E-09	2.99E-09	2.42E-09	5.42E-09	4.90E-10	4.70E-10	9.60E-10	3.66E-10	2.40E-10	6.06E-10
626	563868.8	4235203	3.67E-09	3.28E-09	6.95E-09	6.23E-10	5.26E-10	1.15E-09	2.97E-09	2.40E-09	5.37E-09	4.86E-10	4.66E-10	9.52E-10	3.63E-10	2.38E-10	6.01E-10
627	563861.3	4235216	3.65E-09	3.26E-09	6.91E-09	6.20E-10	5.23E-10	1.14E-09	2.95E-09	2.39E-09	5.34E-09	4.83E-10	4.64E-10	9.47E-10	3.61E-10	2.37E-10	5.98E-10
628	563853.8	4235229	3.65E-09	3.26E-09	6.91E-09	6.20E-10	5.22E-10	1.14E-09	2.95E-09	2.39E-09	5.34E-09	4.83E-10	4.63E-10	9.46E-10	3.61E-10	2.37E-10	5.97E-10
629	563763.8	4235385	4.32E-09	3.86E-09	8.18E-09	7.34E-10	6.18E-10	1.35E-09	3.49E-09	2.83E-09	6.32E-09	5.72E-10	5.49E-10	1.12E-09	4.27E-10	2.80E-10	7.07E-10
630	563756.3	4235398	4.39E-09	3.91E-09	8.30E-09	7.45E-10	6.28E-10	1.37E-09	3.54E-09	2.87E-09	6.41E-09	5.80E-10	5.57E-10	1.14E-09	4.33E-10	2.84E-10	7.18E-10
631	563748.8	4235411	4.44E-09	3.97E-09	8.41E-09	7.54E-10	6.36E-10	1.39E-09	3.59E-09	2.91E-09	6.50E-09	5.88E-10	5.64E-10	1.15E-09	4.39E-10	2.88E-10	7.27E-10
632	563741.3	4235425	4.50E-09	4.02E-09	8.52E-09	7.64E-10	6.44E-10	1.41E-09	3.64E-09	2.95E-09	6.58E-09	5.96E-10	5.71E-10	1.17E-09	4.45E-10	2.92E-10	7.37E-10
633	563733.8	4235438	4.56E-09	4.07E-09	8.64E-09	7.74E-10	6.53E-10	1.43E-09	3.69E-09	2.99E-09	6.67E-09	6.04E-10	5.79E-10	1.18E-09	4.51E-10	2.96E-10	7.47E-10

634	563726.3	4235451	4.62E-09	4.12E-09	8.74E-09	7.84E-10	6.61E-10	1.44E-09	3.73E-09	3.02E-09	6.75E-09	6.11E-10	5.86E-10	1.20E-09	4.56E-10	2.99E-10	7.56E-10
635	563718.8	4235464	4.67E-09	4.16E-09	8.83E-09	7.92E-10	6.68E-10	1.46E-09	3.77E-09	3.06E-09	6.82E-09	6.17E-10	5.92E-10	1.21E-09	4.61E-10	3.03E-10	7.64E-10
636	563711.3	4235477	4.71E-09	4.20E-09	8.91E-09	7.99E-10	6.74E-10	1.47E-09	3.80E-09	3.08E-09	6.89E-09	6.23E-10	5.98E-10	1.22E-09	4.65E-10	3.05E-10	7.71E-10
637	563264.4	4234908	1.25E-07	1.12E-07	2.37E-07	2.12E-08	1.79E-08	3.91E-08	1.01E-07	8.19E-08	1.83E-07	1.65E-08	1.59E-08	3.24E-08	1.24E-08	8.11E-09	2.05E-08
638	563600.7	4234810	9.71E-09	8.67E-09	1.84E-08	1.65E-09	1.39E-09	3.04E-09	7.84E-09	6.36E-09	1.42E-08	1.28E-09	1.23E-09	2.52E-09	9.59E-10	6.30E-10	1.59E-09
639	563638.6	4234797	8.41E-09	7.50E-09	1.59E-08	1.43E-09	1.20E-09	2.63E-09	6.79E-09	5.50E-09	1.23E-08	1.11E-09	1.07E-09	2.18E-09	8.31E-10	5.45E-10	1.38E-09
640	563633.8	4234783	8.62E-09	7.69E-09	1.63E-08	1.46E-09	1.23E-09	2.69E-09	6.96E-09	5.64E-09	1.26E-08	1.14E-09	1.09E-09	2.23E-09	8.51E-10	5.59E-10	1.41E-09
641	563676.5	4234785	7.38E-09	6.58E-09	1.40E-08	1.25E-09	1.05E-09	2.31E-09	5.96E-09	4.83E-09	1.08E-08	9.76E-10	9.36E-10	1.91E-09	7.29E-10	4.78E-10	1.21E-09
642	563671.7	4234770	7.57E-09	6.75E-09	1.43E-08	1.28E-09	1.08E-09	2.37E-09	6.11E-09	4.95E-09	1.11E-08	1.00E-09	9.60E-10	1.96E-09	7.47E-10	4.90E-10	1.24E-09
643	563714.4	4234772	6.49E-09	5.79E-09	1.23E-08	1.10E-09	9.28E-10	2.03E-09	5.24E-09	4.24E-09	9.48E-09	8.58E-10	8.23E-10	1.68E-09	6.41E-10	4.20E-10	1.06E-09
644	563709.6	4234758	6.64E-09	5.93E-09	1.26E-08	1.13E-09	9.50E-10	2.08E-09	5.37E-09	4.35E-09	9.71E-09	8.79E-10	8.43E-10	1.72E-09	6.56E-10	4.31E-10	1.09E-09
645	563828.1	4234733	4.91E-09	4.38E-09	9.30E-09	8.34E-10	7.03E-10	1.54E-09	3.97E-09	3.21E-09	7.18E-09	6.50E-10	6.23E-10	1.27E-09	4.85E-10	3.18E-10	8.04E-10
646	563823.3	4234719	5.07E-09	4.52E-09	9.58E-09	8.59E-10	7.24E-10	1.58E-09	4.09E-09	3.31E-09	7.40E-09	6.70E-10	6.43E-10	1.31E-09	5.00E-10	3.28E-10	8.29E-10
647	563260	4234894	1.41E-07	1.26E-07	2.67E-07	2.39E-08	2.02E-08	4.41E-08	1.14E-07	9.22E-08	2.06E-07	1.86E-08	1.79E-08	3.65E-08	1.39E-08	9.14E-09	2.31E-08
648	563271.8	4234898	1.14E-07	1.02E-07	2.15E-07	1.93E-08	1.63E-08	3.56E-08	9.20E-08	7.45E-08	1.66E-07	1.51E-08	1.45E-08	2.95E-08	1.12E-08	7.38E-09	1.86E-08
649	563281.4	4234895	9.89E-08	8.82E-08	1.87E-07	1.68E-08	1.41E-08	3.09E-08	7.99E-08	6.47E-08	1.45E-07	1.31E-08	1.25E-08	2.56E-08	9.77E-09	6.41E-09	1.62E-08
650	563290.9	4234893	8.66E-08	7.72E-08	1.64E-07	1.47E-08	1.24E-08	2.71E-08	6.99E-08	5.66E-08	1.27E-07	1.14E-08	1.10E-08	2.24E-08	8.55E-09	5.61E-09	1.42E-08
651	563300.5	4234890	7.63E-08	6.80E-08	1.44E-07	1.29E-08	1.09E-08	2.39E-08	6.16E-08	4.99E-08	1.12E-07	1.01E-08	9.68E-09	1.98E-08	7.53E-09	4.94E-09	1.25E-08
652	563307.7	4234879	7.02E-08	6.26E-08	1.33E-07	1.19E-08	1.00E-08	2.20E-08	5.67E-08	4.60E-08	1.03E-07	9.29E-09	8.91E-09	1.82E-08	6.94E-09	4.55E-09	1.15E-08
653	563317.3	4234876	6.24E-08	5.57E-08	1.18E-07	1.06E-08	8.93E-09	1.95E-08	5.04E-08	4.09E-08	9.13E-08	8.26E-09	7.92E-09	1.62E-08	6.17E-09	4.05E-09	1.02E-08
654	563326.8	4234873	5.58E-08	4.98E-08	1.06E-07	9.47E-09	7.98E-09	1.75E-08	4.51E-08	3.65E-08	8.16E-08	7.38E-09	7.08E-09	1.45E-08	5.51E-09	3.62E-09	9.13E-09
655	563269.5	4234888	1.21E-07	1.08E-07	2.29E-07	2.06E-08	1.73E-08	3.79E-08	9.79E-08	7.93E-08	1.77E-07	1.60E-08	1.54E-08	3.14E-08	1.20E-08	7.86E-09	1.98E-08
656	563279.4	4234887	1.04E-07	9.25E-08	1.96E-07	1.76E-08	1.48E-08	3.24E-08	8.37E-08	6.79E-08	1.52E-07	1.37E-08	1.32E-08	2.69E-08	1.02E-08	6.72E-09	1.70E-08
657	563606.8	4234845	9.39E-09	8.38E-09	1.78E-08	1.59E-09	1.34E-09	2.94E-09	7.59E-09	6.15E-09	1.37E-08	1.24E-09	1.19E-09	2.43E-09	9.28E-10	6.09E-10	1.54E-09
658	563646.3	4234838	8.09E-09	7.21E-09	1.53E-08	1.37E-09	1.16E-09	2.53E-09	6.53E-09	5.29E-09	1.18E-08	1.07E-09	1.03E-09	2.10E-09	7.99E-10	5.24E-10	1.32E-09
659	563685.9	4234832	6.99E-09	6.23E-09	1.32E-08	1.19E-09	9.99E-10	2.18E-09	5.64E-09	4.57E-09	1.02E-08	9.24E-10	8.87E-10	1.81E-09	6.90E-10	4.53E-10	1.14E-09
660	563684.5	4234824	7.02E-09	6.27E-09	1.33E-08	1.19E-09	1.00E-09	2.20E-09	5.67E-09	4.60E-09	1.03E-08	9.29E-10	8.91E-10	1.82E-09	6.94E-10	4.55E-10	1.15E-09
661	563725.4	4234826	6.00E-09	5.35E-09	1.14E-08	1.02E-09	8.58E-10	1.88E-09	4.85E-09	3.93E-09	8.77E-09	7.94E-10	7.61E-10	1.56E-09	5.93E-10	3.89E-10	9.82E-10
662	563804.4	4234814	4.66E-09	4.15E-09	8.81E-09	7.90E-10	6.66E-10	1.46E-09	3.76E-09	3.05E-09	6.81E-09	6.16E-10	5.91E-10	1.21E-09	4.60E-10	3.02E-10	7.62E-10
663	563803.1	4234805	4.71E-09	4.20E-09	8.91E-09	7.99E-10	6.73E-10	1.47E-09	3.80E-09	3.08E-09	6.88E-09	6.22E-10	5.97E-10	1.22E-09	4.65E-10	3.05E-10	7.70E-10
664	563844	4234808	4.17E-09	3.72E-09	7.89E-09	7.07E-10	5.96E-10	1.30E-09	3.37E-09	2.73E-09	6.09E-09	5.51E-10	5.29E-10	1.08E-09	4.12E-10	2.70E-10	6.82E-10
665	563883.5	4234801	3.47E-09	3.09E-09	6.56E-09	5.88E-10	4.96E-10	1.08E-09	2.80E-09	2.27E-09	5.07E-09	4.58E-10	4.40E-10	8.98E-10	3.42E-10	2.25E-10	5.67E-10
666	563923	4234795	3.15E-09	2.81E-09	5.96E-09	5.34E-10	4.50E-10	9.85E-10	2.54E-09	2.06E-09	4.60E-09	4.17E-10	4.00E-10	8.16E-10	3.11E-10	2.04E-10	5.15E-10
667	563921.7	4234787	3.25E-09	2.90E-09	6.15E-09	5.52E-10	4.65E-10	1.02E-09	2.63E-09	2.13E-09	4.75E-09	4.30E-10	4.13E-10	8.43E-10	3.21E-10	2.11E-10	5.32E-10
668	563258.1	4234880	1.52E-07	1.35E-07	2.87E-07	2.57E-08	2.17E-08	4.74E-08	1.22E-07	9.92E-08	2.22E-07	2.00E-08	1.92E-08	3.93E-08	1.50E-08	9.83E-09	2.48E-08
669	563268	4234878	1.27E-07	1.13E-07	2.41E-07	2.16E-08	1.82E-08	3.98E-08	1.03E-07	8.32E-08	1.86E-07	1.68E-08	1.61E-08	3.29E-08	1.26E-08	8.24E-09	2.08E-08
670	563277.9	4234877	1.08E-07	9.65E-08	2.05E-07	1.84E-08	1.55E-08	3.38E-08	8.73E-08	7.08E-08	1.58E-07	1.43E-08	1.37E-08	2.80E-08	1.07E-08	7.01E-09	1.77E-08
671	563287.7	4234875	9.31E-08	8.31E-08	1.76E-07	1.58E-08	1.33E-08	2.91E-08	7.52E-08	6.09E-08	1.36E-07	1.23E-08	1.18E-08	2.41E-08	9.19E-09	6.03E-09	1.52E-08
672	563297.6	4234874	8.09E-08	7.22E-08	1.53E-07	1.37E-08	1.16E-08	2.53E-08	6.53E-08	5.30E-08	1.18E-07	1.07E-08	1.03E-08	2.10E-08	7.99E-09	5.24E-09	1.32E-08
673	563564.3	4234832	1.11E-08	9.87E-09	2.09E-08	1.88E-09	1.58E-09	3.46E-09	8.94E-09	7.24E-09	1.62E-08	1.46E-09	1.40E-09	2.87E-09	1.09E-09	7.17E-10	1.81E-09
674	563605.4	4234835	9.47E-09	8.45E-09	1.79E-08	1.61E-09	1.35E-09	2.96E-09	7.65E-09	6.20E-09	1.38E-08	1.25E-09	1.20E-09	2.45E-09	9.35E-10	6.14E-10	1.55E-09
675	563603.8	4234825	9.56E-09	8.52E-09	1.81E-08	1.62E-09	1.37E-09	2.99E-09	7.72E-09	6.25E-09	1.40E-08	1.26E-09	1.21E-09	2.48E-09	9.44E-10	6.19E-10	1.56E-09
676	563644.9	4234829	8.14E-09	7.26E-09	1.54E-08	1.38E-09	1.16E-09	2.54E-09	6.57E-09	5.33E-09	1.19E-08	1.08E-09	1.03E-09	2.11E-09	8.04E-10	5.27E-10	1.33E-09
677	563643.3	4234819	8.20E-09	7.32E-09	1.55E-08	1.39E-09	1.17E-09	2.56E-09	6.62E-09	5.37E-09	1.20E-08	1.08E-09	1.04E-09	2.13E-09	8.10E-10	5.32E-10	1.34E-09
678	563682.9	4234813	7.08E-09	6.32E-09	1.34E-08	1.20E-09	1.01E-09	2.22E-09	5.72E-09	4.64E-09	1.04E-08	9.37E-10	8.99E-10	1.84E-09	7.00E-10	4.59E-10	1.16E-09
679	563723.9	4234817	6.04E-09	5.39E-09	1.14E-08	1.02E-09	8.64E-10	1.89E-09	4.88E-09	3.95E-09	8.83E-09	7.99E-10	7.66E-10	1.57E-09	5.97E-10	3.91E-10	9.88E-10
680	563722.4	4234807	6.13E-09	5.47E-09	1.16E-08	1.04E-09	8.77E-10	1.92E-09	4.95E-09	4.01E-09	8.96E-09	8.11E-10	7.78E-10	1.59E-09	6.06E-10	3.97E-10	1.00E-09
681	563842.4	4234798	4.23E-09	3.77E-09	8.00E-09	7.18E-10	6.05E-10	1.32E-09	3.41E-09	2.77E-09	6.18E-09	5.59E-10	5.37E-10	1.10E-09	4.18E-10	2.74E-10	6.92E-10
682	563840.9	4234788	4.30E-09	3.83E-09	8.13E-09	7.29E-10	6.14E-10	1.34E-09	3.47E-09	2.81E-09	6.28E-09	5.68E-10	5.45E-10	1.11E-09	4.24E-10	2.78E-10	7.03E-10
683	563882	4234792	3.82E-09	3.41E-09	7.23E-09	6.49E-10	5.47E-10	1.20E-09	3.09E-09	2.50E-09	5.59E-09	5.06E-10	4.85E-10	9.91E-10	3.78E-10	2.48E-10	6.25E-10
684	563880.4	4234782	3.91E-09	3.49E-09	7.41E-09	6.64E-10	5.60E-10	1.22E-09	3.16E-09	2.56E-09	5.72E-09	5.18E-10	4.97E-10	1.01E-09	3.87E-10	2.54E-10	6.40E-10
685	563919.9	4234776	3.32E-09	2.96E-09	6.29E-09	5.64E-10	4.75E-10	1.04E-09	2.68E-09	2.17E-09	4.86E-09	4.40E-10	4.22E-10	8.61E-10	3.28E-10	2.15E-10	5.44E-10
686	563257.4	4234870	1.57E-07	1.40E-07	2.97E-07	2.66E-08	2.25E-08	4.91E-08	1.27E-07	1.03E-07	2.30E-07	2.08E-08	1.99E-08	4.07E-08	1.55E-08	1.02E-08	2.57E-08
687	563267.4	4234869	1.31E-07	1.17E-07	2.47E-07	2.22E-08	1.87E-08	4.09E-08	1.05E-07	8.55E-08	1.91E-07	1.73E-08	1.66E-08	3.39E-08	1.29E-08	8.47E-09	2.14E-08
688	563307.3	4234866	7.15E-08	6.38E-08	1.35E-07	1.21E-08	1.02E-08	2.24E-08	5.78E-08	4.68E-08	1.05E-07	9.46E-09	9.08E-09	1.85E-08	7.06E-09	4.64E-09	1.17E-08
689	563317.2	4234865	6.30E-08	5.62E-08	1.19E-07	1.07E-08	9.01E-09	1.97E-08	5.09E-08	4.12E-08	9.21E-08	8.33E-09	7.99E-09	1.63E-08	6.22E-09	4.08E-09	1.03E-08
690	563327.2	4234865	5.59E-08	4.98E-08	1.06E-07	9.48E-09	7.99E-09	1.75E-08	4.51E-08	3.66E-08	8.16E-08	7.39E-09	7.09E-09	1.45E-08	5.52E-09	3.62E-09	9.14E-09
691	563347.1	4234863	4.47E-08	3.99E-08	8.47E-08	7.59E-09	6.40E-09	1.40E-08	3.61E-08	2.93E-08	6.54E-08	5.92E-09	5.68E-09	1.16E-08	4.42E-09	2.90E-09	7.32E-09
692	563607.3	4234855	9.35E-09	8.34E-09	1.77E-08	1.59E-09	1.34E-09	2.92E-09	7.55E-09	6.12E-09	1.37E-08	1.24E-09	1.19E-09	2.42E-09	9.23E-10	6.06E-10	1.53E-09
693	563647.2	4234852	8.06E-09	7.19E-09	1.53E-08	1.37E-09	1.15E-09	2.52E-09	6.51E-09	5.27E-09	1.18E-08	1.07E-09	1.02E-09	2.09E-09	7.96E-10	5.22E-10	1.32E-09
694	563687	4234848	6.97E-09	6.22E-09	1.32E-08	1.18E-09	9.97E-10	2.18E-09	5.63E-09	4.56E-09	1.02E-08	9.22E-10	8.85E-10	1.81E-09	6.89E-10	4.52E-10	1.14E-09
695	563726.9	4234845	5.98E-09	5.34E-09	1.13E-08	1.02E-09	8.56E-10	1.87E-09	4.83E-09	3.92E-09	8.75E-09	7.91E-10	7.59E-10	1.55E-09	5.91E-10	3.88E-10	9.79E-10
696	563806.7	4234839	4.58E-09	4.09E-09	8.67E-09	7.77E-10	6.55E-10	1.43E-09	3.70E-09	3.00E-09	6.70E-09	6.06E-10	5.81E-10	1.19E-09	4.52E-10	2.97E-10	7.49E-10
697	563805.7	4234827	4.61E-09	4.11E-09	8.71E-09	7.82E-10	6.59E-10	1.44E-09	3.72E-09	3.01E-09	6.73E-09	6.09E-10	5.84E-10	1.19E-09	4.55E-10	2.99E-10	7.53E-10
698	563846.6	4234836	3.66E-09	3.27E-09	6.93E-09	6.22E-10	5.24E-10	1.15E-09	2.96E-09	2.40E-09	5.36E-09	4.85E-10	4.65E-10	9.50E-10	3.62E-10	2.37E-10	5.99E-10
699	563845.6	4234824	4.07E-09	3.63E-09	7.70E-09	6.90E-10	5.82E-10	1.27E-09	3.29E-09	2.66E-09	5.95E-09	5.38E-10	5.16E-10	1.05E-09	4.02E-10	2.64E-10	6.66E-10
700	563886.4	4234833	3.20E-09	2.85E-09	6.05E-09	5.43E-10	4.58E-10	1.00E-09	2.58E-09	2.09E-09	4.68E-09	4.23E-10	4.06E-10	8.29E-10	3.16E-10	2.07E-10	5.23E-10
701	563885.5	4234821	3.26E-09	2.91E-09	6.17E-09	5.53E-10	4.66E-10	1.02E-09	2.63E-09	2.13E-09	4.77E-09	4.31E-10	4.14E-10	8.45E-10	3.22E-10	2.11E-10	5.33E-10
702	563926.3	4234830	2.85E-09	2.54E-09	5.39E-09	4.83E-10	4.07E-10	8.91E-10	2.30E-09	1.86E-09	4.16E-09	3.77E-10	3.62E-10	7.38E-10	2.81E-10	1.85E-10	4.66E-10
703	563925.4	4234818	2.91E-09	2.60E-09	5.51E-09	4.94E-10	4.16E-10	9.10E-10	2.35E-09	1.90E-09	4.26E-09	3.85E-10	3.69E-10	7.54E-10	2.87E-10	1.89E-10	4.76E-10
704	563257.7	4234861	1.59E-07	1.42E-07	3.01E-07	2.70E-08	2.27E-08	4.97E-08	1.28E-07	1.04E-07	2.32E-07	2.10E-08	2.02E-08	4.12E-08	1.57E-08	1.03E-08	2.60E-08
705	563277.6	4234867	1.10E-07	9.83E-08	2.09E-07	1.87E-08	1.58E-08	3.45E-08	8.90E-08	7.21E-08	1.61E-07	1.46E-08	1.40E-08	2.86E-08	1.09E-08	7.14E-09	1.80E-08
706	563287.7	4234862	9.47E-08	8.45E-08	1.79E-07	1.61E-08	1.35E-08	2.96E-08	7.65E-08	6.20E-08	1.38E-07	1.25E-08	1.20E-08	2.45E-08	9.36E-09	6.14E-09	1.55E-08
707	563297.7	4234862	8.18E-08	7.30E-08	1.55E-07	1.39E-08	1.17E-08	2.56E-08	6.61E-08	5.35E-08	1.20E-07	1.08E-08	1.04E-08	2.12E-08	8.08E-09	5.30E-09	1.34E-08
708	563607.6	4234873	9.29E-09	8.29E-09	1.76E-08	1.58E-09	1.33E-09	2.91E-09	7.50E-09	6.08E-09	1.36E-08	1.23E-09	1.18E-09	2.41E-09	9.18E-10	6.02E-10	1.52E-09
709	563647.7	4234867	8.05E-09	7.18E-09	1.52E-08	1.37E-09	1.15E-09	2.52E-09	6.50E-09	5.27E-09	1.18E-08	1.06E-09	1.02E-09	2.09E-09	7.95E-10	5.22E-10	1.32E-09
710	563687.5	4234880	7.04E-09	6.28E-09	1.33E-08	1.20E-09	1.01E-09	2.20E-09	5.69E-09	4.61E-09	1.03E-08	9.32E-10	8.94E-10	1.83E-09	6.96E-10	4.57E-10	1.15E-09
711	563687.6	4234868	7.00E-09	6.25E-09	1.33E-08	1.19E-09	1.00E-09	2.19E-09	5.66E-09	4.58E-09	1.02E-08	9.26E-10	8.89E-10	1.81E-09	6.92E-10	4.54E-10	1.15E-09
712	563727.5	4234881	6.17E-09	5.50E-09	1.17E-08	1.05E-09	8.82E-10	1.93E-09	4.98E-09	4.04E-09	9.02E-09	8.16E-10	7.83E-10	1.60E-09	6.09E-10	4.00E-10	1.01E-09
713	563727.6	4234869	6.11E-09	5.45E-09	1.16E-08	1.04E-09	8.73E-10	1.91E-09	4.93E-09	4.00E-09	8.93E-09	8.08E-10	7.75E-10	1.58E-09	6.03E-10	3.96E-10	9.99E-10
714	563807.4	4234882	4.68E-09	4.17E-09	8.85E-09	7.94E-10	6.69E-10	1.46E-09	3.78E-09	3.06E-09	6.84E-09	6.19E-10	5.94E-10	1.21E-09	4.62E-10	3.03E-10	7.65E-10
715	563807.6	4234870	4.62E-09	4.13E-09	8.75E-09	7.85E-10	6.61E-10	1.45E-09	3.73E-09	3.03E-09	6.76E-09	6.12E-10	5.87E-10	1.20E-09	4.57E-10	3.00E-10	7.56E-10
716	563847.4	4234882	3.58E-09	3.20E-09	6.78E-09	6.08E-10	5.13E-10	1.12E-09	2.89E-09	2.35E-09	5.24E-09	4.74E-10	4.55E-10	9.29E-10	3.54E-10	2.32E-10	5.86E-10
717	563847.6	4234871	3.57E-09	3.18E-09	6.75E-09	6.05E-10	5.10E-10	1.12E-09	2.88E-09	2.33E-09	5.21E-09	4.72E-10	4.53E-10	9.24E-10	3.52E-10	2.31E-10	5.83E-10
718	563887.4	4234883	3.11E-09	2.78E-09	5.89E-09	5.28E-10	4.45E-10	9.74E-10	2.51E-09	2.04E-09	4.55E-09	4.12E-10	3.95E-10	8.07E-10	3.08E-10	2.02E-10	5.09E-10
719	563887.6	4234871	3.12E-09	2.79E-09	5.91E-09	5.30E-10	4.47E-10	9.77E-10	2.52E-09	2.04E-09	4.57E-09	4.13E-10	3.97E-10	8.10E-10	3.09E-10	2.03E-10	5.11E-10
720	563927.4	4234884	2.75E-09	2.46E-09	5.21E-09	4.67E-10	3.94E-10	8.61E-10	2.22E-09	1.80E-09	4.03E-09	3.64E-10	3.50E-10	7.14E-10	2.72E-10	1.79E-10	4.51E-10
721	563927.6	4234872	2.75E-09	2.45E-09	5.20E-09	4.66E-10	3.93E-10	8.60E-10	2.22E-09	1.80E-09	4.02E-09	3.64E-10	3.49E-10	7.12E-10	2.71E-10	1.78E-10	4.50E-10
722	563258.1	4234845	1.62E-07	1.44E-07	3.06E-07	2.75E-08	2.31E-08	5.06E-08	1.31E-07	1.06E-07	2.37E-07	2.14E-08	2.05E-08	4.19E-08	1.60E-08	1.05E-08	2.65E-08
723	563267.9	4234853	1.33E-07	1.18E-07	2.51E-07	2.25E-08	1.90E-08	4.15E-08	1.07E-07	8.68E-08	1.94E-07	1.75E-08	1.68E-08	3.44E-08	1.31E-08	8.60E-09	2.17E-08
724	563277.9	4234853	1.12E-07	9.95E-08	2.11E-07	1.89E-08	1.60E-08	3.49E-08	9.01E-08	7.30E-08	1.63E-07	1.48E-08	1.42E-08	2.89E-08	1.10E-08	7.23E-09	1.83E-08

725	563288.1	4234845	9.54E-08	8.51E-08	1.80E-07	1.62E-08	1.36E-08	2.98E-08	7.70E-08	6.24E-08	1.39E-07	1.26E-08	1.21E-08	2.47E-08	9.42E-09	6.18E-09	1.56E-08
726	563298.1	4234846	8.22E-08	7.33E-08	1.56E-07	1.39E-08	1.18E-08	2.57E-08	6.64E-08	5.38E-08	1.20E-07	1.09E-08	1.04E-08	2.13E-08	8.12E-09	5.33E-09	1.34E-08
727	563307.9	4234854	7.15E-08	6.38E-08	1.35E-07	1.21E-08	1.02E-08	2.24E-08	5.78E-08	4.68E-08	1.05E-07	9.46E-09	9.08E-09	1.85E-08	7.07E-09	4.64E-09	1.17E-08
728	563317.9	4234854	6.29E-08	5.61E-08	1.19E-07	1.07E-08	8.99E-09	1.97E-08	5.08E-08	4.11E-08	9.19E-08	8.31E-09	7.98E-09	1.63E-08	6.21E-09	4.07E-09	1.03E-08
729	563327.9	4234855	5.57E-08	4.97E-08	1.05E-07	9.45E-09	7.96E-09	1.74E-08	4.50E-08	3.64E-08	8.14E-08	7.36E-09	7.07E-09	1.44E-08	5.50E-09	3.61E-09	9.11E-09
730	563348.1	4234847	4.45E-08	3.97E-08	8.42E-08	7.55E-09	6.36E-09	1.39E-08	3.59E-08	2.91E-08	6.51E-08	5.89E-09	5.65E-09	1.15E-08	4.40E-09	2.88E-09	7.28E-09
731	563367.9	4234856	3.63E-08	3.24E-08	6.87E-08	6.16E-09	5.19E-09	1.14E-08	2.93E-08	2.38E-08	5.31E-08	4.80E-09	4.61E-09	9.41E-09	3.59E-09	2.35E-09	5.94E-09
732	563388	4234848	2.97E-08	2.65E-08	5.63E-08	5.05E-09	4.25E-09	9.30E-09	2.40E-08	1.95E-08	4.35E-08	3.93E-09	3.77E-09	7.71E-09	2.94E-09	1.93E-09	4.86E-09
733	563408	4234848	2.54E-08	2.27E-08	4.81E-08	4.31E-09	3.64E-09	7.95E-09	2.05E-08	1.66E-08	3.72E-08	3.36E-09	3.23E-09	6.59E-09	2.51E-09	1.65E-09	4.16E-09
734	563728	4234855	6.02E-09	5.37E-09	1.14E-08	1.02E-09	8.61E-10	1.88E-09	4.86E-09	3.94E-09	8.80E-09	7.96E-10	7.64E-10	1.56E-09	5.94E-10	3.90E-10	9.84E-10
735	563807.9	4234857	4.58E-09	4.09E-09	8.67E-09	7.77E-10	6.55E-10	1.43E-09	3.70E-09	3.00E-09	6.70E-09	6.06E-10	5.81E-10	1.19E-09	4.52E-10	2.97E-10	7.49E-10
736	563847.9	4234858	3.56E-09	3.17E-09	6.73E-09	6.03E-10	5.09E-10	1.11E-09	2.87E-09	2.33E-09	5.20E-09	4.70E-10	4.51E-10	9.21E-10	3.51E-10	2.30E-10	5.82E-10
737	563887.9	4234859	3.12E-09	2.79E-09	5.91E-09	5.30E-10	4.46E-10	9.76E-10	2.52E-09	2.04E-09	4.56E-09	4.13E-10	3.96E-10	8.09E-10	3.08E-10	2.02E-10	5.11E-10
738	563927.9	4234860	2.76E-09	2.46E-09	5.21E-09	4.68E-10	3.94E-10	8.62E-10	2.23E-09	1.80E-09	4.03E-09	3.64E-10	3.50E-10	7.14E-10	2.72E-10	1.79E-10	4.51E-10
739	563249	4234812	2.04E-07	1.82E-07	3.86E-07	3.46E-08	2.92E-08	6.38E-08	1.65E-07	1.33E-07	2.98E-07	2.70E-08	2.59E-08	5.29E-08	2.01E-08	1.32E-08	3.34E-08
740	563258.6	4234829	1.63E-07	1.45E-07	3.08E-07	2.76E-08	2.33E-08	5.09E-08	1.31E-07	1.07E-07	2.38E-07	2.15E-08	2.07E-08	4.22E-08	1.61E-08	1.05E-08	2.66E-08
741	563259	4234812	1.62E-07	1.45E-07	3.07E-07	2.75E-08	2.32E-08	5.07E-08	1.31E-07	1.06E-07	2.37E-07	2.14E-08	2.06E-08	4.20E-08	1.60E-08	1.05E-08	2.65E-08
742	563268.3	4234837	1.34E-07	1.19E-07	2.53E-07	2.27E-08	1.91E-08	4.18E-08	1.08E-07	8.75E-08	1.95E-07	1.77E-08	1.70E-08	3.46E-08	1.32E-08	8.66E-09	2.19E-08
743	563268.8	4234821	1.33E-07	1.19E-07	2.52E-07	2.26E-08	1.91E-08	4.17E-08	1.08E-07	8.73E-08	1.95E-07	1.76E-08	1.69E-08	3.46E-08	1.32E-08	8.64E-09	2.18E-08
744	563278.3	4234837	1.12E-07	9.98E-08	2.12E-07	1.90E-08	1.60E-08	3.50E-08	9.04E-08	7.32E-08	1.64E-07	1.48E-08	1.42E-08	2.90E-08	1.11E-08	7.25E-09	1.83E-08
745	563278.8	4234821	1.11E-07	9.90E-08	2.10E-07	1.88E-08	1.59E-08	3.47E-08	8.96E-08	7.26E-08	1.62E-07	1.47E-08	1.41E-08	2.88E-08	1.10E-08	7.19E-09	1.82E-08
746	563288.5	4234830	9.44E-08	8.42E-08	1.79E-07	1.60E-08	1.35E-08	2.95E-08	7.62E-08	6.18E-08	1.38E-07	1.25E-08	1.20E-08	2.45E-08	9.32E-09	6.12E-09	1.54E-08
747	563289	4234813	9.24E-08	8.25E-08	1.75E-07	1.57E-08	1.32E-08	2.89E-08	7.46E-08	6.05E-08	1.35E-07	1.22E-08	1.17E-08	2.40E-08	9.13E-09	5.99E-09	1.51E-08
748	563298.5	4234830	8.09E-08	7.21E-08	1.53E-07	1.37E-08	1.16E-08	2.53E-08	6.53E-08	5.29E-08	1.18E-07	1.07E-08	1.03E-08	2.10E-08	7.99E-09	5.24E-09	1.32E-08
749	563299	4234814	7.88E-08	7.03E-08	1.49E-07	1.34E-08	1.13E-08	2.47E-08	6.37E-08	5.16E-08	1.15E-07	1.04E-08	1.00E-08	2.04E-08	7.79E-09	5.11E-09	1.29E-08
750	563308.3	4234838	7.09E-08	6.33E-08	1.34E-07	1.20E-08	1.01E-08	2.22E-08	5.73E-08	4.64E-08	1.04E-07	9.38E-09	9.00E-09	1.84E-08	7.01E-09	4.60E-09	1.16E-08
751	563308.8	4234822	6.92E-08	6.17E-08	1.31E-07	1.17E-08	9.90E-09	2.16E-08	5.59E-08	4.53E-08	1.01E-07	9.15E-09	8.78E-09	1.79E-08	6.84E-09	4.49E-09	1.13E-08
752	563318.3	4234839	6.23E-08	5.56E-08	1.18E-07	1.06E-08	8.91E-09	1.95E-08	5.03E-08	4.08E-08	9.11E-08	8.24E-09	7.91E-09	1.61E-08	6.15E-09	4.04E-09	1.02E-08
753	563318.8	4234822	6.07E-08	5.42E-08	1.15E-07	1.03E-08	8.69E-09	1.90E-08	4.90E-08	3.98E-08	8.88E-08	8.03E-09	7.71E-09	1.57E-08	6.00E-09	3.94E-09	9.94E-09
754	563328.3	4234839	5.51E-08	4.92E-08	1.04E-07	9.36E-09	7.89E-09	1.72E-08	4.45E-08	3.61E-08	8.06E-08	7.29E-09	7.00E-09	1.43E-08	5.45E-09	3.57E-09	9.02E-09
755	563328.8	4234823	5.37E-08	4.79E-08	1.02E-07	9.12E-09	7.69E-09	1.68E-08	4.34E-08	3.52E-08	7.86E-08	7.11E-09	6.82E-09	1.39E-08	5.31E-09	3.48E-09	8.79E-09
756	563348.5	4234831	4.36E-08	3.89E-08	8.25E-08	7.40E-09	6.23E-09	1.36E-08	3.52E-08	2.85E-08	6.37E-08	5.76E-09	5.53E-09	1.13E-08	4.31E-09	2.83E-09	7.13E-09
757	563349	4234815	4.24E-08	3.78E-08	8.02E-08	7.20E-09	6.06E-09	1.33E-08	3.42E-08	2.78E-08	6.20E-08	5.61E-09	5.38E-09	1.10E-08	4.19E-09	2.75E-09	6.94E-09
758	563368.3	4234840	3.60E-08	3.21E-08	6.81E-08	6.11E-09	5.15E-09	1.13E-08	2.91E-08	2.36E-08	5.26E-08	4.76E-09	4.57E-09	9.33E-09	3.55E-09	2.33E-09	5.89E-09
759	563368.7	4234824	3.53E-08	3.15E-08	6.67E-08	5.98E-09	5.04E-09	1.10E-08	2.85E-08	2.31E-08	5.15E-08	4.66E-09	4.47E-09	9.14E-09	3.48E-09	2.28E-09	5.77E-09
760	563388.5	4234832	2.95E-08	2.63E-08	5.59E-08	5.01E-09	4.22E-09	9.23E-09	2.38E-08	1.93E-08	4.32E-08	3.90E-09	3.75E-09	7.65E-09	2.92E-09	1.91E-09	4.83E-09
761	563389	4234816	2.92E-08	2.61E-08	5.53E-08	4.96E-09	4.18E-09	9.14E-09	2.36E-08	1.91E-08	4.27E-08	3.87E-09	3.71E-09	7.57E-09	2.89E-09	1.89E-09	4.78E-09
762	563408.7	4234825	2.51E-08	2.24E-08	4.75E-08	4.26E-09	3.59E-09	7.85E-09	2.03E-08	1.64E-08	3.67E-08	3.32E-09	3.19E-09	6.51E-09	2.48E-09	1.63E-09	4.11E-09
763	563428.2	4234842	2.22E-08	1.98E-08	4.20E-08	3.76E-09	3.17E-09	6.94E-09	1.79E-08	1.45E-08	3.24E-08	2.93E-09	2.82E-09	5.75E-09	2.19E-09	1.44E-09	3.63E-09
764	563429	4234817	2.17E-08	1.93E-08	4.10E-08	3.68E-09	3.10E-09	6.77E-09	1.75E-08	1.42E-08	3.17E-08	2.86E-09	2.75E-09	5.61E-09	2.14E-09	1.40E-09	3.54E-09
765	563448.5	4234834	1.93E-08	1.72E-08	3.65E-08	3.27E-09	2.76E-09	6.03E-09	1.56E-08	1.26E-08	2.82E-08	2.55E-09	2.45E-09	5.00E-09	1.91E-09	1.25E-09	3.16E-09
766	563468.5	4234835	1.72E-08	1.54E-08	3.26E-08	2.92E-09	2.46E-09	5.39E-09	1.39E-08	1.13E-08	2.52E-08	2.28E-09	2.19E-09	4.46E-09	1.70E-09	1.12E-09	2.82E-09
767	563488.7	4234827	1.56E-08	1.39E-08	2.95E-08	2.65E-09	2.23E-09	4.88E-09	1.26E-08	1.02E-08	2.28E-08	2.06E-09	1.98E-09	4.04E-09	1.54E-09	1.01E-09	2.55E-09
768	563508.7	4234828	1.41E-08	1.26E-08	2.66E-08	2.39E-09	2.01E-09	4.40E-09	1.14E-08	9.21E-09	2.06E-08	1.86E-09	1.79E-09	3.65E-09	1.39E-09	9.12E-10	2.30E-09
769	563528.4	4234837	1.27E-08	1.13E-08	2.41E-08	2.16E-09	1.82E-09	3.98E-09	1.03E-08	8.32E-09	1.86E-08	1.68E-09	1.61E-09	3.30E-09	1.26E-09	8.24E-10	2.08E-09
770	563528.9	4234820	1.28E-08	1.14E-08	2.43E-08	2.18E-09	1.83E-09	4.01E-09	1.04E-08	8.39E-09	1.88E-08	1.70E-09	1.63E-09	3.32E-09	1.27E-09	8.31E-10	2.10E-09
771	563568.2	4234846	1.10E-08	9.78E-09	2.07E-08	1.86E-09	1.57E-09	3.43E-09	8.85E-09	7.17E-09	1.60E-08	1.45E-09	1.39E-09	2.84E-09	1.08E-09	7.10E-10	1.79E-09
772	563568.9	4234822	1.08E-08	9.63E-09	2.04E-08	1.83E-09	1.54E-09	3.38E-09	8.72E-09	7.06E-09	1.58E-08	1.43E-09	1.37E-09	2.80E-09	1.07E-09	7.00E-10	1.77E-09
773	563687.9	4234858	6.97E-09	6.22E-09	1.32E-08	1.18E-09	9.97E-10	2.18E-09	5.63E-09	4.56E-09	1.02E-08	9.22E-10	8.84E-10	1.81E-09	6.88E-10	4.52E-10	1.14E-09
774	563728.6	4234834	5.94E-09	5.30E-09	1.12E-08	1.01E-09	8.49E-10	1.86E-09	4.79E-09	3.89E-09	8.68E-09	7.85E-10	7.54E-10	1.54E-09	5.86E-10	3.85E-10	9.71E-10
775	563848.3	4234846	3.56E-09	3.18E-09	6.74E-09	6.05E-10	5.10E-10	1.11E-09	2.88E-09	2.33E-09	5.21E-09	4.71E-10	4.52E-10	9.23E-10	3.52E-10	2.31E-10	5.83E-10
776	563888.3	4234847	3.13E-09	2.79E-09	5.93E-09	5.31E-10	4.48E-10	9.79E-10	2.53E-09	2.05E-09	4.58E-09	4.14E-10	3.97E-10	8.12E-10	3.09E-10	2.03E-10	5.12E-10
777	563928.3	4234848	2.78E-09	2.48E-09	5.25E-09	4.71E-10	3.97E-10	8.68E-10	2.24E-09	1.82E-09	4.06E-09	3.67E-10	3.52E-10	7.19E-10	2.74E-10	1.80E-10	4.54E-10
778	563249.2	4234803	2.04E-07	1.82E-07	3.86E-07	3.46E-08	2.92E-08	6.37E-08	1.65E-07	1.33E-07	2.98E-07	2.70E-08	2.59E-08	5.28E-08	2.01E-08	1.32E-08	3.33E-08
779	563249.4	4234793	2.03E-07	1.81E-07	3.84E-07	3.45E-08	2.91E-08	6.35E-08	1.64E-07	1.33E-07	2.97E-07	2.69E-08	2.58E-08	5.27E-08	2.01E-08	1.32E-08	3.32E-08
780	563249.6	4234784	2.02E-07	1.80E-07	3.82E-07	3.42E-08	2.88E-08	6.31E-08	1.63E-07	1.32E-07	2.95E-07	2.67E-08	2.56E-08	5.23E-08	1.99E-08	1.31E-08	3.30E-08
781	563249.7	4234774	1.99E-07	1.77E-07	3.76E-07	3.37E-08	2.84E-08	6.22E-08	1.61E-07	1.30E-07	2.91E-07	2.63E-08	2.52E-08	5.15E-08	1.96E-08	1.29E-08	3.25E-08
782	563249.9	4234765	1.95E-07	1.74E-07	3.69E-07	3.31E-08	2.79E-08	6.11E-08	1.58E-07	1.28E-07	2.85E-07	2.58E-08	2.48E-08	5.06E-08	1.93E-08	1.27E-08	3.19E-08
783	563250.1	4234756	1.91E-07	1.70E-07	3.61E-07	3.24E-08	2.73E-08	5.97E-08	1.54E-07	1.25E-07	2.79E-07	2.53E-08	2.42E-08	4.95E-08	1.89E-08	1.24E-08	3.13E-08
784	563250.2	4234746	1.87E-07	1.67E-07	3.54E-07	3.18E-08	2.68E-08	5.86E-08	1.51E-07	1.23E-07	2.74E-07	2.48E-08	2.38E-08	4.85E-08	1.85E-08	1.21E-08	3.06E-08
785	563250.4	4234737	1.83E-07	1.63E-07	3.45E-07	3.10E-08	2.61E-08	5.71E-08	1.47E-07	1.19E-07	2.67E-07	2.41E-08	2.32E-08	4.73E-08	1.80E-08	1.18E-08	2.99E-08
786	563250.6	4234728	1.77E-07	1.58E-07	3.35E-07	3.00E-08	2.53E-08	5.53E-08	1.43E-07	1.16E-07	2.58E-07	2.34E-08	2.24E-08	4.58E-08	1.75E-08	1.15E-08	2.89E-08
787	563259.2	4234803	1.61E-07	1.44E-07	3.04E-07	2.73E-08	2.30E-08	5.03E-08	1.30E-07	1.05E-07	2.35E-07	2.13E-08	2.04E-08	4.17E-08	1.59E-08	1.04E-08	2.63E-08
788	563259.4	4234793	1.59E-07	1.42E-07	3.01E-07	2.70E-08	2.28E-08	4.98E-08	1.29E-07	1.04E-07	2.33E-07	2.11E-08	2.02E-08	4.13E-08	1.57E-08	1.03E-08	2.60E-08
789	563259.6	4234784	1.57E-07	1.40E-07	2.97E-07	2.67E-08	2.25E-08	4.91E-08	1.27E-07	1.03E-07	2.30E-07	2.08E-08	1.99E-08	4.07E-08	1.55E-08	1.02E-08	2.57E-08
790	563259.7	4234775	1.55E-07	1.38E-07	2.93E-07	2.62E-08	2.21E-08	4.84E-08	1.25E-07	1.01E-07	2.26E-07	2.05E-08	1.96E-08	4.01E-08	1.53E-08	1.00E-08	2.53E-08
791	563259.9	4234765	1.52E-07	1.35E-07	2.87E-07	2.57E-08	2.17E-08	4.74E-08	1.22E-07	9.92E-08	2.22E-07	2.01E-08	1.92E-08	3.93E-08	1.50E-08	9.83E-09	2.48E-08
792	563260.1	4234756	1.48E-07	1.32E-07	2.80E-07	2.51E-08	2.12E-08	4.63E-08	1.20E-07	9.69E-08	2.17E-07	1.96E-08	1.88E-08	3.84E-08	1.46E-08	9.60E-09	2.42E-08
793	563260.2	4234747	1.44E-07	1.29E-07	2.73E-07	2.45E-08	2.07E-08	4.52E-08	1.17E-07	9.45E-08	2.11E-07	1.91E-08	1.83E-08	3.74E-08	1.43E-08	9.36E-09	2.36E-08
794	563260.4	4234737	1.40E-07	1.25E-07	2.65E-07	2.38E-08	2.01E-08	4.38E-08	1.13E-07	9.18E-08	2.05E-07	1.85E-08	1.78E-08	3.63E-08	1.38E-08	9.09E-09	2.29E-08
795	563260.6	4234728	1.35E-07	1.21E-07	2.56E-07	2.30E-08	1.93E-08	4.23E-08	1.09E-07	8.85E-08	1.98E-07	1.79E-08	1.72E-08	3.51E-08	1.34E-08	8.77E-09	2.21E-08
796	563269	4234812	1.32E-07	1.18E-07	2.50E-07	2.24E-08	1.89E-08	4.14E-08	1.07E-07	8.66E-08	1.93E-07	1.75E-08	1.68E-08	3.43E-08	1.31E-08	8.57E-09	2.16E-08
797	563269.2	4234803	1.30E-07	1.16E-07	2.47E-07	2.21E-08	1.87E-08	4.08E-08	1.05E-07	8.54E-08	1.91E-07	1.73E-08	1.66E-08	3.38E-08	1.29E-08	8.46E-09	2.13E-08
798	563269.4	4234794	1.28E-07	1.15E-07	2.43E-07	2.18E-08	1.84E-08	4.01E-08	1.04E-07	8.40E-08	1.88E-07	1.70E-08	1.63E-08	3.33E-08	1.27E-08	8.32E-09	2.10E-08
799	563269.5	4234784	1.26E-07	1.13E-07	2.39E-07	2.14E-08	1.80E-08	3.94E-08	1.02E-07	8.25E-08	1.84E-07	1.67E-08	1.60E-08	3.27E-08	1.25E-08	8.17E-09	2.06E-08
800	563269.7	4234775	1.24E-07	1.11E-07	2.35E-07	2.10E-08	1.77E-08	3.88E-08	1.00E-07	8.11E-08	1.81E-07	1.64E-08	1.57E-08	3.21E-08	1.22E-08	8.03E-09	2.03E-08
801	563269.9	4234766	1.21E-07	1.08E-07	2.30E-07	2.06E-08	1.74E-08	3.80E-08	9.80E-08	7.94E-08	1.77E-07	1.61E-08	1.54E-08	3.15E-08	1.20E-08	7.87E-09	1.99E-08
802	563270.1	4234756	1.18E-07	1.06E-07	2.24E-07	2.01E-08	1.69E-08	3.70E-08	9.56E-08	7.75E-08	1.73E-07	1.57E-08	1.50E-08	3.07E-08	1.17E-08	7.67E-09	1.94E-08
803	563270.2	4234747	1.15E-07	1.03E-07	2.18E-07	1.95E-08	1.65E-08	3.60E-08	9.30E-08	7.54E-08	1.68E-07	1.52E-08	1.46E-08	2.98E-08	1.14E-08	7.46E-09	1.88E-08
804	563270.4	4234738	1.11E-07	9.94E-08	2.11E-07	1.89E-08	1.59E-08	3.48E-08	9.00E-08	7.29E-08	1.63E-07	1.47E-08	1.41E-08	2.89E-08	1.10E-08	7.22E-09	1.82E-08
805	563270.6	4234728	1.07E-07	9.57E-08	2.03E-07	1.82E-08	1.53E-08	3.36E-08	8.67E-08	7.02E-08	1.57E-07	1.42E-08	1.36E-08	2.78E-08	1.06E-08	6.96E-09	1.76E-08
806	563279.2	4234803	1.08E-07	9.64E-08	2.04E-07	1.83E-08	1.55E-08	3.38E-08	8.73E-08	7.07E-08	1.58E-07	1.43E-08	1.37E-08	2.80E-08	1.07E-08	7.00E-09	1.77E-08
807	563279.4	4234794	1.06E-07	9.46E-08	2.01E-07	1.80E-08	1.52E-08	3.32E-08	8.57E-08	6.94E-08	1.55E-07	1.40E-08	1.35E-08	2.75E-08	1.05E-08	6.88E-09	1.74E-08
808	563279.5	4234784	1.04E-07	9.28E-08	1.97E-07	1.76E-08	1.49E-08	3.25E-08	8.39E-08	6.80E-08	1.52E-07	1.37E-08	1.32E-08	2.69E-08	1.03E-08	6.74E-09	1.70E-08
809	563279.7	4234775	1.02E-07	9.10E-08	1.93E-07	1.73E-08	1.46E-08	3.19E-08	8.24E-08	6.67E-08	1.49E-07	1.35E-08	1.29E-08	2.64E-08	1.01E-08	6.61E-09	1.67E-08
810	563279.9	4234766	9.97E-08	8.90E-08	1.89E-07	1.69E-08	1.43E-08	3.12E-08	8.05E-08	6.53E-08	1.46E-07	1.32E-08	1.27E-08	2.58E-08	9.85E-09	6.46E-09	1.63E-08
811	563280.1	4234756	9.71E-08	8.67E-08	1.84E-07	1.65E-08	1.39E-08	3.04E-08	7.84E-08	6.36E-08	1.42E-07	1.28E-08	1.23E-08	2.52E-08	9.59E-09	6.30E-09	1.59E-08
812	563280.2	4234747	9.43E-08	8.41E-08	1.78E-07	1.60E-08	1.35E-08	2.95E-08	7.61E-08	6.17E-08	1.38E-07	1.25E-08	1.20E-08	2.44E-08	9.31E-09	6.11E-09	1.54E-08
813	563280.4	4234738	9.11E-08	8.13E-08	1.72E-07	1.55E-08	1.30E-08	2.85E-08	7.36E-08	5.96E-08	1.33E-07	1.21E-08	1.16E-08	2.36E-08	9.00E-09	5.91E-09	1.49E-08
814	563280.6	4234728	8.77E-08	7.83E-08	1.66E-07	1.49E-08	1.25E-08	2.74E-08	7.08E-08	5.74E-08	1.28E-07	1.16E-08	1.11E-08	2.27E-08	8.67E-09	5.69E-09	1.44E-08
815	563289.2	4234803	9.10E-08	8.12E-08	1.72E-07	1.54E-08	1.30E-08	2.84E-08	7.35E-08	5.95E-08	1.33E-07	1.20E-08	1.15E-08	2.36E-08	8.98E-09	5.90E-09	1.49E-08

816	563289.4	4234794	8.94E-08	7.97E-08	1.69E-07	1.52E-08	1.28E-08	2.79E-08	7.22E-08	5.85E-08	1.31E-07	1.18E-08	1.13E-08	2.32E-08	8.83E-09	5.79E-09	1.46E-08
817	563289.5	4234785	8.76E-08	7.81E-08	1.66E-07	1.49E-08	1.25E-08	2.74E-08	7.07E-08	5.73E-08	1.28E-07	1.16E-08	1.11E-08	2.27E-08	8.65E-09	5.68E-09	1.43E-08
818	563289.7	4234775	8.58E-08	7.65E-08	1.62E-07	1.46E-08	1.23E-08	2.68E-08	6.92E-08	5.61E-08	1.25E-07	1.13E-08	1.09E-08	2.22E-08	8.47E-09	5.56E-09	1.40E-08
819	563289.9	4234766	8.37E-08	7.47E-08	1.58E-07	1.42E-08	1.20E-08	2.62E-08	6.76E-08	5.48E-08	1.22E-07	1.11E-08	1.06E-08	2.17E-08	8.27E-09	5.43E-09	1.37E-08
820	563290.1	4234757	8.14E-08	7.27E-08	1.54E-07	1.38E-08	1.16E-08	2.55E-08	6.58E-08	5.33E-08	1.19E-07	1.08E-08	1.03E-08	2.11E-08	8.04E-09	5.28E-09	1.33E-08
821	563290.2	4234747	7.90E-08	7.05E-08	1.49E-07	1.34E-08	1.13E-08	2.47E-08	6.38E-08	5.17E-08	1.15E-07	1.04E-08	1.00E-08	2.05E-08	7.80E-09	5.12E-09	1.29E-08
822	563290.4	4234738	7.63E-08	6.81E-08	1.44E-07	1.30E-08	1.09E-08	2.39E-08	6.16E-08	5.00E-08	1.12E-07	1.01E-08	9.69E-09	1.98E-08	7.54E-09	4.95E-09	1.25E-08
823	563290.6	4234729	7.36E-08	6.56E-08	1.39E-07	1.25E-08	1.05E-08	2.30E-08	5.94E-08	4.81E-08	1.08E-07	9.73E-09	9.33E-09	1.91E-08	7.26E-09	4.77E-09	1.20E-08
824	563299.2	4234803	7.77E-08	6.93E-08	1.47E-07	1.32E-08	1.11E-08	2.43E-08	6.27E-08	5.09E-08	1.14E-07	1.03E-08	9.86E-09	2.01E-08	7.67E-09	5.04E-09	1.27E-08
825	563299.4	4234794	7.64E-08	6.82E-08	1.45E-07	1.30E-08	1.09E-08	2.39E-08	6.17E-08	5.00E-08	1.12E-07	1.01E-08	9.70E-09	1.98E-08	7.55E-09	4.95E-09	1.25E-08
826	563299.5	4234785	7.49E-08	6.69E-08	1.42E-07	1.27E-08	1.07E-08	2.34E-08	6.05E-08	4.90E-08	1.10E-07	9.91E-09	9.51E-09	1.94E-08	7.40E-09	4.86E-09	1.23E-08
827	563299.7	4234775	7.33E-08	6.54E-08	1.39E-07	1.24E-08	1.05E-08	2.29E-08	5.92E-08	4.80E-08	1.07E-07	9.70E-09	9.30E-09	1.90E-08	7.24E-09	4.75E-09	1.20E-08
828	563299.9	4234766	7.15E-08	6.38E-08	1.35E-07	1.21E-08	1.02E-08	2.24E-08	5.77E-08	4.68E-08	1.05E-07	9.46E-09	9.07E-09	1.85E-08	7.06E-09	4.63E-09	1.17E-08
829	563300.1	4234757	6.96E-08	6.20E-08	1.32E-07	1.18E-08	9.95E-09	2.17E-08	5.62E-08	4.55E-08	1.02E-07	9.20E-09	8.83E-09	1.80E-08	6.87E-09	4.51E-09	1.14E-08
830	563300.2	4234747	6.75E-08	6.02E-08	1.28E-07	1.14E-08	9.65E-09	2.11E-08	5.45E-08	4.41E-08	9.86E-08	8.92E-09	8.56E-09	1.75E-08	6.66E-09	4.37E-09	1.10E-08
831	563300.4	4234738	6.52E-08	5.82E-08	1.23E-07	1.11E-08	9.33E-09	2.04E-08	5.27E-08	4.27E-08	9.54E-08	8.63E-09	8.28E-09	1.69E-08	6.44E-09	4.23E-09	1.07E-08
832	563300.6	4234729	6.30E-08	5.62E-08	1.19E-07	1.07E-08	9.00E-09	1.97E-08	5.08E-08	4.12E-08	9.20E-08	8.33E-09	7.99E-09	1.63E-08	6.22E-09	4.08E-09	1.03E-08
833	563309	4234813	6.82E-08	6.08E-08	1.29E-07	1.16E-08	9.75E-09	2.13E-08	5.50E-08	4.46E-08	9.96E-08	9.01E-09	8.65E-09	1.77E-08	6.73E-09	4.42E-09	1.11E-08
834	563309.2	4234804	6.72E-08	5.99E-08	1.27E-07	1.14E-08	9.61E-09	2.10E-08	5.43E-08	4.40E-08	9.82E-08	8.89E-09	8.53E-09	1.74E-08	6.64E-09	4.36E-09	1.10E-08
835	563309.4	4234794	6.60E-08	5.89E-08	1.25E-07	1.12E-08	9.44E-09	2.07E-08	5.33E-08	4.32E-08	9.65E-08	8.73E-09	8.38E-09	1.71E-08	6.52E-09	4.28E-09	1.08E-08
836	563309.5	4234785	6.47E-08	5.77E-08	1.22E-07	1.10E-08	9.25E-09	2.02E-08	5.22E-08	4.23E-08	9.46E-08	8.56E-09	8.21E-09	1.68E-08	6.39E-09	4.19E-09	1.06E-08
837	563309.7	4234776	6.33E-08	5.65E-08	1.20E-07	1.07E-08	9.05E-09	1.98E-08	5.11E-08	4.14E-08	9.25E-08	8.37E-09	8.03E-09	1.64E-08	6.25E-09	4.10E-09	1.04E-08
838	563309.9	4234766	6.17E-08	5.51E-08	1.17E-07	1.05E-08	8.83E-09	1.93E-08	4.98E-08	4.04E-08	9.02E-08	8.16E-09	7.83E-09	1.60E-08	6.09E-09	4.00E-09	1.01E-08
839	563310.1	4234757	6.00E-08	5.35E-08	1.14E-07	1.02E-08	8.58E-09	1.88E-08	4.85E-08	3.93E-08	8.77E-08	7.94E-09	7.62E-09	1.56E-08	5.93E-09	3.89E-09	9.82E-09
840	563310.2	4234748	5.82E-08	5.19E-08	1.10E-07	9.88E-09	8.33E-09	1.82E-08	4.70E-08	3.81E-08	8.51E-08	7.70E-09	7.39E-09	1.51E-08	5.75E-09	3.77E-09	9.53E-09
841	563310.4	4234738	5.64E-08	5.03E-08	1.07E-07	9.57E-09	8.06E-09	1.76E-08	4.55E-08	3.69E-08	8.24E-08	7.46E-09	7.16E-09	1.46E-08	5.57E-09	3.65E-09	9.22E-09
842	563310.6	4234729	5.45E-08	4.86E-08	1.03E-07	9.25E-09	7.79E-09	1.70E-08	4.40E-08	3.57E-08	7.97E-08	7.21E-09	6.91E-09	1.41E-08	5.38E-09	3.53E-09	8.91E-09
843	563319	4234813	5.97E-08	5.33E-08	1.13E-07	1.01E-08	8.54E-09	1.87E-08	4.82E-08	3.91E-08	8.73E-08	7.90E-09	7.58E-09	1.55E-08	5.90E-09	3.87E-09	9.77E-09
844	563319.2	4234804	5.88E-08	5.24E-08	1.11E-07	9.97E-09	8.40E-09	1.84E-08	4.75E-08	3.85E-08	8.59E-08	7.77E-09	7.46E-09	1.52E-08	5.80E-09	3.81E-09	9.61E-09
845	563319.4	4234794	5.76E-08	5.14E-08	1.09E-07	9.78E-09	8.24E-09	1.80E-08	4.65E-08	3.77E-08	8.42E-08	7.62E-09	7.31E-09	1.49E-08	5.69E-09	3.74E-09	9.43E-09
846	563319.5	4234785	5.64E-08	5.03E-08	1.07E-07	9.57E-09	8.06E-09	1.76E-08	4.55E-08	3.69E-08	8.24E-08	7.46E-09	7.15E-09	1.46E-08	5.57E-09	3.65E-09	9.22E-09
847	563319.7	4234776	5.52E-08	4.92E-08	1.04E-07	9.36E-09	7.89E-09	1.72E-08	4.45E-08	3.61E-08	8.06E-08	7.29E-09	7.00E-09	1.43E-08	5.45E-09	3.57E-09	9.02E-09
848	563319.9	4234766	5.38E-08	4.80E-08	1.02E-07	9.13E-09	7.70E-09	1.68E-08	4.34E-08	3.52E-08	7.87E-08	7.12E-09	6.83E-09	1.39E-08	5.31E-09	3.49E-09	8.80E-09
849	563320.1	4234757	5.24E-08	4.67E-08	9.91E-08	8.89E-09	7.49E-09	1.64E-08	4.23E-08	3.43E-08	7.65E-08	6.93E-09	6.64E-09	1.36E-08	5.17E-09	3.39E-09	8.57E-09
850	563320.2	4234748	5.09E-08	4.54E-08	9.62E-08	8.63E-09	7.27E-09	1.59E-08	4.11E-08	3.33E-08	7.44E-08	6.73E-09	6.45E-09	1.32E-08	5.02E-09	3.30E-09	8.32E-09
851	563320.4	4234738	4.93E-08	4.40E-08	9.33E-08	8.37E-09	7.05E-09	1.54E-08	3.98E-08	3.23E-08	7.21E-08	6.52E-09	6.26E-09	1.28E-08	4.87E-09	3.20E-09	8.07E-09
852	563320.6	4234729	4.77E-08	4.26E-08	9.03E-08	8.10E-09	6.83E-09	1.49E-08	3.86E-08	3.12E-08	6.98E-08	6.31E-09	6.06E-09	1.24E-08	4.72E-09	3.09E-09	7.81E-09
853	563329	4234813	5.28E-08	4.71E-08	9.99E-08	8.96E-09	7.55E-09	1.65E-08	4.27E-08	3.46E-08	7.72E-08	6.99E-09	6.70E-09	1.37E-08	5.22E-09	3.42E-09	8.64E-09
854	563329.2	4234804	5.19E-08	4.63E-08	9.81E-08	8.80E-09	7.42E-09	1.62E-08	4.19E-08	3.39E-08	7.58E-08	6.86E-09	6.58E-09	1.34E-08	5.12E-09	3.36E-09	8.48E-09
855	563329.4	4234795	5.08E-08	4.53E-08	9.61E-08	8.62E-09	7.26E-09	1.59E-08	4.10E-08	3.32E-08	7.42E-08	6.72E-09	6.44E-09	1.32E-08	5.02E-09	3.29E-09	8.31E-09
856	563329.5	4234785	4.96E-08	4.43E-08	9.39E-08	8.42E-09	7.10E-09	1.55E-08	4.01E-08	3.25E-08	7.26E-08	6.57E-09	6.30E-09	1.29E-08	4.90E-09	3.22E-09	8.12E-09
857	563329.7	4234776	4.86E-08	4.34E-08	9.19E-08	8.25E-09	6.95E-09	1.52E-08	3.92E-08	3.18E-08	7.10E-08	6.43E-09	6.17E-09	1.26E-08	4.80E-09	3.15E-09	7.95E-09
858	563329.9	4234767	4.75E-08	4.23E-08	8.98E-08	8.05E-09	6.79E-09	1.48E-08	3.83E-08	3.11E-08	6.94E-08	6.28E-09	6.02E-09	1.23E-08	4.69E-09	3.08E-09	7.76E-09
859	563330	4234757	4.62E-08	4.13E-08	8.75E-08	7.85E-09	6.61E-09	1.45E-08	3.73E-08	3.03E-08	6.76E-08	6.12E-09	5.87E-09	1.20E-08	4.57E-09	3.00E-09	7.57E-09
860	563330.2	4234748	4.50E-08	4.01E-08	8.51E-08	7.63E-09	6.43E-09	1.41E-08	3.63E-08	2.94E-08	6.58E-08	5.95E-09	5.71E-09	1.17E-08	4.44E-09	2.92E-09	7.36E-09
861	563330.4	4234739	4.37E-08	3.90E-08	8.26E-08	7.41E-09	6.25E-09	1.37E-08	3.53E-08	2.86E-08	6.39E-08	5.78E-09	5.54E-09	1.13E-08	4.31E-09	2.83E-09	7.14E-09
862	563330.6	4234729	4.24E-08	3.78E-08	8.01E-08	7.19E-09	6.06E-09	1.32E-08	3.42E-08	2.77E-08	6.19E-08	5.60E-09	5.38E-09	1.10E-08	4.18E-09	2.75E-09	6.93E-09
863	563349.2	4234804	4.17E-08	3.72E-08	7.89E-08	7.08E-09	5.97E-09	1.30E-08	3.37E-08	2.73E-08	6.10E-08	5.52E-09	5.29E-09	1.08E-08	4.12E-09	2.70E-09	6.82E-09
864	563349.4	4234795	4.10E-08	3.66E-08	7.76E-08	6.96E-09	5.87E-09	1.28E-08	3.31E-08	2.68E-08	6.00E-08	5.43E-09	5.21E-09	1.06E-08	4.05E-09	2.66E-09	6.71E-09
865	563349.5	4234786	4.03E-08	3.59E-08	7.62E-08	6.83E-09	5.76E-09	1.26E-08	3.25E-08	2.63E-08	5.88E-08	5.32E-09	5.11E-09	1.04E-08	3.98E-09	2.61E-09	6.58E-09
866	563349.7	4234776	3.94E-08	3.51E-08	7.45E-08	6.68E-09	5.63E-09	1.23E-08	3.18E-08	2.58E-08	5.76E-08	5.21E-09	5.00E-09	1.02E-08	3.89E-09	2.55E-09	6.44E-09
867	563349.9	4234767	3.85E-08	3.43E-08	7.28E-08	6.53E-09	5.50E-09	1.20E-08	3.11E-08	2.52E-08	5.62E-08	5.09E-09	4.88E-09	9.97E-09	3.80E-09	2.49E-09	6.29E-09
868	563350	4234758	3.75E-08	3.35E-08	7.09E-08	6.36E-09	5.36E-09	1.17E-08	3.03E-08	2.45E-08	5.48E-08	4.96E-09	4.76E-09	9.72E-09	3.70E-09	2.43E-09	6.13E-09
869	563350.2	4234748	3.66E-08	3.26E-08	6.92E-08	6.21E-09	5.23E-09	1.14E-08	2.95E-08	2.39E-08	5.35E-08	4.84E-09	4.64E-09	9.48E-09	3.61E-09	2.37E-09	5.98E-09
870	563350.4	4234739	3.57E-08	3.18E-08	6.75E-08	6.05E-09	5.10E-09	1.12E-08	2.88E-08	2.33E-08	5.21E-08	4.72E-09	4.53E-09	9.24E-09	3.52E-09	2.31E-09	5.83E-09
871	563350.6	4234730	3.47E-08	3.10E-08	6.57E-08	5.89E-09	4.97E-09	1.09E-08	2.80E-08	2.27E-08	5.08E-08	4.59E-09	4.41E-09	9.00E-09	3.43E-09	2.25E-09	5.68E-09
872	563369	4234814	3.48E-08	3.10E-08	6.58E-08	5.90E-09	4.98E-09	1.09E-08	2.81E-08	2.28E-08	5.09E-08	4.60E-09	4.42E-09	9.02E-09	3.44E-09	2.26E-09	5.69E-09
873	563369.2	4234805	3.45E-08	3.08E-08	6.53E-08	5.86E-09	4.94E-09	1.08E-08	2.79E-08	2.26E-08	5.04E-08	4.56E-09	4.38E-09	8.94E-09	3.41E-09	2.24E-09	5.64E-09
874	563369.4	4234795	3.42E-08	3.05E-08	6.46E-08	5.80E-09	4.89E-09	1.07E-08	2.76E-08	2.24E-08	4.99E-08	4.52E-09	4.33E-09	8.85E-09	3.37E-09	2.21E-09	5.59E-09
875	563369.5	4234786	3.37E-08	3.01E-08	6.38E-08	5.72E-09	4.82E-09	1.05E-08	2.72E-08	2.21E-08	4.93E-08	4.46E-09	4.28E-09	8.74E-09	3.33E-09	2.19E-09	5.52E-09
876	563369.7	4234777	3.30E-08	2.94E-08	6.24E-08	5.60E-09	4.72E-09	1.03E-08	2.66E-08	2.16E-08	4.82E-08	4.36E-09	4.18E-09	8.54E-09	3.26E-09	2.14E-09	5.39E-09
877	563369.9	4234767	3.22E-08	2.87E-08	6.09E-08	5.46E-09	4.60E-09	1.01E-08	2.60E-08	2.11E-08	4.70E-08	4.26E-09	4.08E-09	8.34E-09	3.18E-09	2.09E-09	5.26E-09
878	563370	4234758	3.14E-08	2.80E-08	5.94E-08	5.32E-09	4.49E-09	9.81E-09	2.53E-08	2.05E-08	4.59E-08	4.15E-09	3.98E-09	8.13E-09	3.10E-09	2.03E-09	5.13E-09
879	563370.2	4234749	3.07E-08	2.74E-08	5.81E-08	5.21E-09	4.39E-09	9.60E-09	2.48E-08	2.01E-08	4.49E-08	4.06E-09	3.90E-09	7.96E-09	3.03E-09	1.99E-09	5.02E-09
880	563370.4	4234739	3.00E-08	2.68E-08	5.68E-08	5.10E-09	4.30E-09	9.40E-09	2.43E-08	1.97E-08	4.39E-08	3.97E-09	3.81E-09	7.79E-09	2.97E-09	1.95E-09	4.91E-09
881	563370.6	4234730	2.94E-08	2.62E-08	5.56E-08	4.98E-09	4.20E-09	9.18E-09	2.37E-08	1.92E-08	4.29E-08	3.88E-09	3.73E-09	7.61E-09	2.90E-09	1.90E-09	4.80E-09
882	563389.2	4234805	2.90E-08	2.59E-08	5.49E-08	4.93E-09	4.15E-09	9.08E-09	2.34E-08	1.90E-08	4.24E-08	3.84E-09	3.68E-09	7.52E-09	2.87E-09	1.88E-09	4.75E-09
883	563389.4	4234796	2.88E-08	2.57E-08	5.45E-08	4.89E-09	4.12E-09	9.01E-09	2.33E-08	1.89E-08	4.21E-08	3.81E-09	3.66E-09	7.47E-09	2.85E-09	1.87E-09	4.72E-09
884	563389.5	4234786	2.86E-08	2.55E-08	5.41E-08	4.85E-09	4.09E-09	8.94E-09	2.31E-08	1.87E-08	4.18E-08	3.78E-09	3.63E-09	7.40E-09	2.82E-09	1.85E-09	4.67E-09
885	563389.7	4234777	2.80E-08	2.50E-08	5.30E-08	4.75E-09	4.01E-09	8.76E-09	2.26E-08	1.83E-08	4.10E-08	3.70E-09	3.55E-09	7.26E-09	2.77E-09	1.82E-09	4.58E-09
886	563389.9	4234768	2.74E-08	2.45E-08	5.19E-08	4.65E-09	3.92E-09	8.58E-09	2.21E-08	1.79E-08	4.01E-08	3.63E-09	3.48E-09	7.11E-09	2.71E-09	1.78E-09	4.49E-09
887	563390	4234758	2.68E-08	2.39E-08	5.07E-08	4.55E-09	3.84E-09	8.39E-09	2.17E-08	1.75E-08	3.92E-08	3.55E-09	3.40E-09	6.95E-09	2.65E-09	1.74E-09	4.39E-09
888	563390.2	4234749	2.63E-08	2.35E-08	4.98E-08	4.47E-09	3.77E-09	8.23E-09	2.13E-08	1.72E-08	3.85E-08	3.48E-09	3.34E-09	6.82E-09	2.60E-09	1.71E-09	4.31E-09
889	563390.4	4234740	2.59E-08	2.31E-08	4.89E-08	4.39E-09	3.70E-09	8.08E-09	2.09E-08	1.69E-08	3.78E-08	3.42E-09	3.28E-09	6.70E-09	2.55E-09	1.68E-09	4.23E-09
890	563390.5	4234730	2.54E-08	2.26E-08	4.80E-08	4.30E-09	3.63E-09	7.93E-09	2.05E-08	1.66E-08	3.71E-08	3.35E-09	3.22E-09	6.57E-09	2.50E-09	1.64E-09	4.15E-09
891	563409	4234815	2.49E-08	2.22E-08	4.72E-08	4.23E-09	3.57E-09	7.80E-09	2.01E-08	1.63E-08	3.64E-08	3.30E-09	3.16E-09	6.46E-09	2.46E-09	1.62E-09	4.08E-09
892	563409.2	4234805	2.47E-08	2.21E-08	4.68E-08	4.20E-09	3.54E-09	7.74E-09	2.00E-08	1.62E-08	3.62E-08	3.27E-09	3.14E-09	6.41E-09	2.44E-09	1.60E-09	4.05E-09
893	563409.4	4234796	2.45E-08	2.19E-08	4.64E-08	4.16E-09	3.51E-09	7.67E-09	1.98E-08	1.60E-08	3.58E-08	3.24E-09	3.11E-09	6.35E-09	2.42E-09	1.59E-09	4.01E-09
894	563409.5	4234787	2.43E-08	2.16E-08	4.59E-08	4.12E-09	3.47E-09	7.58E-09	1.96E-08	1.59E-08	3.55E-08	3.21E-09	3.08E-09	6.29E-09	2.40E-09	1.57E-09	3.97E-09
895	563409.7	4234777	2.40E-08	2.14E-08	4.53E-08	4.07E-09	3.43E-09	7.49E-09	1.93E-08	1.57E-08	3.50E-08	3.17E-09	3.04E-09	6.21E-09	2.37E-09	1.55E-09	3.92E-09
896	563409.9	4234768	2.36E-08	2.11E-08	4.47E-08	4.01E-09	3.38E-09	7.39E-09	1.91E-08	1.55E-08	3.45E-08	3.13E-09	3.00E-09	6.12E-09	2.33E-09	1.53E-09	3.87E-09
897	563410	4234759	2.33E-08	2.08E-08	4.40E-08	3.95E-09	3.33E-09	7.28E-09	1.88E-08	1.52E-08	3.40E-08	3.08E-09	2.95E-09	6.03E-09	2.30E-09	1.51E-09	3.81E-09
898	563410.2	4234749	2.29E-08	2.05E-08	4.34E-08	3.89E-09	3.28E-09	7.17E-09	1.85E-08	1.50E-08	3.35E-08	3.03E-09	2.91E-09	5.94E-09	2.26E-09	1.49E-09	3.75E-09
899	563410.4	4234740	2.26E-08	2.02E-08	4.27E-08	3.83E-09	3.23E-09	7.06E-09	1.82E-08	1.48E-08	3.30E-08	2.99E-09	2.87E-09	5.85E-09	2.23E-09	1.46E-09	3.69E-09
900	563410.5	4234731	2.22E-08	1.98E-08	4.21E-08	3.77E-09	3.18E-09	6.95E-09	1.80E-08	1.45E-08	3.25E-08	2.94E-09	2.82E-09	5.76E-09	2.20E-09	1.44E-09	3.64E-09
901	563429.2	4234806	2.14E-08	1.91E-08	4.05E-08	3.63E-09	3.06E-09	6.69E-09	1.73E-08	1.40E-08	3.13E-08	2.83E-09	2.72E-09	5.55E-09	2.11E-09	1.39E-09	3.50E-09
902	563429.4	4234796	2.12E-08	1.89E-08	4.01E-08	3.59E-09	3.03E-09	6.62E-09	1.71E-08	1.39E-08	3.10E-08	2.80E-09	2.69E-09	5.49E-09	2.09E-09	1.37E-09	3.47E-09
903	563429.5	4234787	2.09E-08	1.87E-08	3.96E-08	3.55E-09	3.00E-09	6.55E-09	1.69E-08	1.37E-08	3.06E-08	2.77E-09	2.66E-09	5.43E-09	2.07E-09	1.36E-09	3.43E-09
904	563429.7	4234778	2.08E-08	1.86E-08	3.94E-08	3.53E-09	2.97E-09	6.50E-09	1.68E-08	1.36E-08	3.04E-08	2.75E-09	2.64E-09	5.39E-09	2.05E-09	1.35E-09	3.40E-09
905	563429.9	4234768	2.06E-08	1.84E-08	3.90E-08	3.50E-09	2.95E-09	6.45E-09	1.67E-08	1.35E-08	3.02E-08	2.73E-09	2.62E-09	5.35E-09	2.04E-09	1.34E-09	3.38E-09
906	563430	4234759	2.04E-08	1.82E-08	3.87E-08	3.47E-09	2.92E-09	6.39E-09	1.65E-08	1.34E-08	2.99E-08	2.70E-09	2.59E-09	5.30E-09	2.02E-09	1.32E-09	3.34E-09

907	563430.2	4234750	2.02E-08	1.80E-08	3.83E-08	3.43E-09	2.89E-09	6.32E-09	1.63E-08	1.32E-08	2.96E-08	2.67E-09	2.57E-09	5.24E-09	2.00E-09	1.31E-09	3.31E-09
908	563430.4	4234740	2.00E-08	1.78E-08	3.78E-08	3.39E-09	2.86E-09	6.25E-09	1.61E-08	1.31E-08	2.92E-08	2.64E-09	2.53E-09	5.18E-09	1.97E-09	1.29E-09	3.27E-09
909	563430.5	4234731	1.97E-08	1.76E-08	3.73E-08	3.35E-09	2.82E-09	6.17E-09	1.59E-08	1.29E-08	2.88E-08	2.61E-09	2.50E-09	5.11E-09	1.95E-09	1.28E-09	3.23E-09
910	563449.2	4234806	1.88E-08	1.68E-08	3.56E-08	3.20E-09	2.69E-09	5.89E-09	1.52E-08	1.23E-08	2.75E-08	2.49E-09	2.39E-09	4.88E-09	1.86E-09	1.22E-09	3.08E-09
911	563449.3	4234797	1.87E-08	1.67E-08	3.53E-08	3.17E-09	2.67E-09	5.84E-09	1.51E-08	1.22E-08	2.73E-08	2.47E-09	2.37E-09	4.84E-09	1.84E-09	1.21E-09	3.05E-09
912	563449.5	4234787	1.85E-08	1.65E-08	3.50E-08	3.14E-09	2.64E-09	5.78E-09	1.49E-08	1.21E-08	2.70E-08	2.44E-09	2.35E-09	4.79E-09	1.83E-09	1.20E-09	3.02E-09
913	563449.7	4234778	1.84E-08	1.64E-08	3.48E-08	3.12E-09	2.63E-09	5.75E-09	1.48E-08	1.20E-08	2.69E-08	2.43E-09	2.33E-09	4.77E-09	1.82E-09	1.19E-09	3.01E-09
914	563449.9	4234769	1.83E-08	1.63E-08	3.46E-08	3.10E-09	2.61E-09	5.72E-09	1.48E-08	1.20E-08	2.67E-08	2.42E-09	2.32E-09	4.74E-09	1.81E-09	1.18E-09	2.99E-09
915	563450	4234759	1.82E-08	1.62E-08	3.43E-08	3.08E-09	2.60E-09	5.68E-09	1.47E-08	1.19E-08	2.65E-08	2.40E-09	2.30E-09	4.70E-09	1.79E-09	1.18E-09	2.97E-09
916	563450.2	4234750	1.80E-08	1.61E-08	3.41E-08	3.05E-09	2.57E-09	5.63E-09	1.45E-08	1.18E-08	2.63E-08	2.38E-09	2.28E-09	4.66E-09	1.78E-09	1.17E-09	2.94E-09
917	563450.4	4234741	1.78E-08	1.59E-08	3.37E-08	3.03E-09	2.55E-09	5.58E-09	1.44E-08	1.17E-08	2.61E-08	2.36E-09	2.26E-09	4.62E-09	1.76E-09	1.16E-09	2.92E-09
918	563450.5	4234731	1.77E-08	1.58E-08	3.34E-08	3.00E-09	2.53E-09	5.52E-09	1.43E-08	1.16E-08	2.58E-08	2.33E-09	2.24E-09	4.58E-09	1.74E-09	1.14E-09	2.89E-09
919	563469.3	4234797	1.69E-08	1.50E-08	3.19E-08	2.86E-09	2.41E-09	5.27E-09	1.36E-08	1.10E-08	2.47E-08	2.23E-09	2.14E-09	4.37E-09	1.67E-09	1.09E-09	2.76E-09
920	563469.5	4234788	1.67E-08	1.49E-08	3.16E-08	2.83E-09	2.39E-09	5.22E-09	1.35E-08	1.09E-08	2.44E-08	2.21E-09	2.12E-09	4.33E-09	1.65E-09	1.08E-09	2.73E-09
921	563469.7	4234778	1.66E-08	1.48E-08	3.15E-08	2.82E-09	2.38E-09	5.20E-09	1.34E-08	1.09E-08	2.43E-08	2.20E-09	2.11E-09	4.31E-09	1.64E-09	1.08E-09	2.72E-09
922	563469.9	4234769	1.66E-08	1.48E-08	3.14E-08	2.81E-09	2.37E-09	5.18E-09	1.34E-08	1.08E-08	2.42E-08	2.19E-09	2.10E-09	4.30E-09	1.64E-09	1.07E-09	2.71E-09
923	563470	4234760	1.65E-08	1.47E-08	3.12E-08	2.80E-09	2.36E-09	5.16E-09	1.33E-08	1.08E-08	2.41E-08	2.18E-09	2.09E-09	4.28E-09	1.63E-09	1.07E-09	2.70E-09
924	563470.2	4234750	1.64E-08	1.46E-08	3.10E-08	2.78E-09	2.34E-09	5.12E-09	1.32E-08	1.07E-08	2.39E-08	2.16E-09	2.08E-09	4.24E-09	1.62E-09	1.06E-09	2.68E-09
925	563470.4	4234741	1.62E-08	1.44E-08	3.06E-08	2.74E-09	2.31E-09	5.06E-09	1.31E-08	1.06E-08	2.36E-08	2.14E-09	2.05E-09	4.19E-09	1.60E-09	1.05E-09	2.65E-09
926	563470.5	4234732	1.60E-08	1.43E-08	3.02E-08	2.71E-09	2.28E-09	4.99E-09	1.29E-08	1.05E-08	2.34E-08	2.11E-09	2.03E-09	4.14E-09	1.58E-09	1.04E-09	2.61E-09
927	563489.5	4234788	1.53E-08	1.37E-08	2.90E-08	2.60E-09	2.19E-09	4.79E-09	1.24E-08	1.00E-08	2.24E-08	2.03E-09	1.94E-09	3.97E-09	1.51E-09	9.93E-10	2.51E-09
928	563489.7	4234779	1.53E-08	1.36E-08	2.89E-08	2.59E-09	2.18E-09	4.77E-09	1.23E-08	9.98E-09	2.23E-08	2.02E-09	1.94E-09	3.95E-09	1.51E-09	9.88E-10	2.49E-09
929	563489.9	4234770	1.52E-08	1.36E-08	2.87E-08	2.58E-09	2.17E-09	4.75E-09	1.23E-08	9.94E-09	2.22E-08	2.01E-09	1.93E-09	3.94E-09	1.50E-09	9.85E-10	2.48E-09
930	563490	4234760	1.51E-08	1.35E-08	2.86E-08	2.57E-09	2.16E-09	4.73E-09	1.22E-08	9.90E-09	2.21E-08	2.00E-09	1.92E-09	3.92E-09	1.49E-09	9.80E-10	2.47E-09
931	563490.2	4234751	1.50E-08	1.34E-08	2.84E-08	2.54E-09	2.14E-09	4.69E-09	1.21E-08	9.81E-09	2.19E-08	1.98E-09	1.90E-09	3.88E-09	1.48E-09	9.71E-10	2.45E-09
932	563490.4	4234742	1.48E-08	1.32E-08	2.80E-08	2.51E-09	2.12E-09	4.63E-09	1.20E-08	9.69E-09	2.16E-08	1.96E-09	1.88E-09	3.84E-09	1.46E-09	9.60E-10	2.42E-09
933	563490.5	4234732	1.46E-08	1.31E-08	2.77E-08	2.48E-09	2.09E-09	4.57E-09	1.18E-08	9.57E-09	2.14E-08	1.93E-09	1.86E-09	3.79E-09	1.44E-09	9.48E-10	2.39E-09
934	563509.7	4234779	1.41E-08	1.25E-08	2.66E-08	2.39E-09	2.01E-09	4.40E-09	1.14E-08	9.20E-09	2.06E-08	1.86E-09	1.78E-09	3.64E-09	1.39E-09	9.11E-10	2.30E-09
935	563509.8	4234770	1.39E-08	1.24E-08	2.63E-08	2.36E-09	1.99E-09	4.35E-09	1.12E-08	9.10E-09	2.03E-08	1.84E-09	1.77E-09	3.60E-09	1.37E-09	9.02E-10	2.28E-09
936	563510	4234761	1.38E-08	1.23E-08	2.60E-08	2.33E-09	1.97E-09	4.30E-09	1.11E-08	9.00E-09	2.01E-08	1.82E-09	1.75E-09	3.57E-09	1.36E-09	8.92E-10	2.25E-09
937	563510.2	4234751	1.37E-08	1.22E-08	2.59E-08	2.32E-09	1.96E-09	4.28E-09	1.10E-08	8.95E-09	2.00E-08	1.81E-09	1.73E-09	3.54E-09	1.35E-09	8.86E-10	2.24E-09
938	563510.4	4234742	1.36E-08	1.22E-08	2.58E-08	2.31E-09	1.95E-09	4.27E-09	1.10E-08	8.93E-09	1.99E-08	1.80E-09	1.73E-09	3.54E-09	1.35E-09	8.84E-10	2.23E-09
939	563510.5	4234733	1.36E-08	1.21E-08	2.58E-08	2.31E-09	1.95E-09	4.26E-09	1.10E-08	8.91E-09	1.99E-08	1.80E-09	1.73E-09	3.53E-09	1.34E-09	8.82E-10	2.23E-09
940	563529.2	4234808	1.29E-08	1.15E-08	2.44E-08	2.19E-09	1.84E-09	4.03E-09	1.04E-08	8.44E-09	1.88E-08	1.71E-09	1.64E-09	3.34E-09	1.27E-09	8.36E-10	2.11E-09
941	563529.3	4234798	1.29E-08	1.15E-08	2.45E-08	2.19E-09	1.85E-09	4.04E-09	1.04E-08	8.46E-09	1.89E-08	1.71E-09	1.64E-09	3.35E-09	1.28E-09	8.38E-10	2.11E-09
942	563529.5	4234789	1.30E-08	1.16E-08	2.45E-08	2.20E-09	1.85E-09	4.05E-09	1.05E-08	8.47E-09	1.89E-08	1.71E-09	1.64E-09	3.36E-09	1.28E-09	8.39E-10	2.12E-09
943	563529.7	4234780	1.28E-08	1.15E-08	2.43E-08	2.18E-09	1.84E-09	4.01E-09	1.04E-08	8.40E-09	1.88E-08	1.70E-09	1.63E-09	3.33E-09	1.27E-09	8.32E-10	2.10E-09
944	563529.8	4234770	1.27E-08	1.13E-08	2.40E-08	2.15E-09	1.81E-09	3.97E-09	1.02E-08	8.30E-09	1.86E-08	1.68E-09	1.61E-09	3.29E-09	1.25E-09	8.22E-10	2.08E-09
945	563530	4234761	1.26E-08	1.12E-08	2.38E-08	2.13E-09	1.80E-09	3.93E-09	1.01E-08	8.22E-09	1.84E-08	1.66E-09	1.59E-09	3.25E-09	1.24E-09	8.14E-10	2.05E-09
946	563530.2	4234752	1.25E-08	1.11E-08	2.36E-08	2.12E-09	1.79E-09	3.91E-09	1.01E-08	8.17E-09	1.83E-08	1.65E-09	1.59E-09	3.24E-09	1.23E-09	8.10E-10	2.04E-09
947	563530.4	4234742	1.25E-08	1.12E-08	2.37E-08	2.12E-09	1.79E-09	3.91E-09	1.01E-08	8.18E-09	1.83E-08	1.65E-09	1.59E-09	3.24E-09	1.23E-09	8.10E-10	2.05E-09
948	563530.5	4234733	1.25E-08	1.12E-08	2.37E-08	2.12E-09	1.79E-09	3.91E-09	1.01E-08	8.19E-09	1.83E-08	1.66E-09	1.59E-09	3.24E-09	1.24E-09	8.11E-10	2.05E-09
949	563569.2	4234808	1.08E-08	9.60E-09	2.04E-08	1.83E-09	1.54E-09	3.37E-09	8.69E-09	7.04E-09	1.57E-08	1.42E-09	1.37E-09	2.79E-09	1.06E-09	6.98E-10	1.76E-09
950	563569.3	4234799	1.08E-08	9.63E-09	2.04E-08	1.83E-09	1.54E-09	3.37E-09	8.71E-09	7.06E-09	1.58E-08	1.43E-09	1.37E-09	2.80E-09	1.07E-09	6.99E-10	1.77E-09
951	563569.5	4234790	1.08E-08	9.65E-09	2.05E-08	1.84E-09	1.55E-09	3.38E-09	8.74E-09	7.08E-09	1.58E-08	1.43E-09	1.37E-09	2.80E-09	1.07E-09	7.01E-10	1.77E-09
952	563569.7	4234780	1.08E-08	9.66E-09	2.05E-08	1.84E-09	1.55E-09	3.39E-09	8.75E-09	7.09E-09	1.58E-08	1.43E-09	1.37E-09	2.81E-09	1.07E-09	7.02E-10	1.77E-09
953	563569.8	4234771	1.08E-08	9.68E-09	2.05E-08	1.84E-09	1.55E-09	3.39E-09	8.76E-09	7.10E-09	1.59E-08	1.43E-09	1.38E-09	2.81E-09	1.07E-09	7.03E-10	1.77E-09
954	563570	4234762	1.09E-08	9.70E-09	2.06E-08	1.84E-09	1.55E-09	3.40E-09	8.78E-09	7.11E-09	1.59E-08	1.44E-09	1.38E-09	2.82E-09	1.07E-09	7.05E-10	1.78E-09
955	563570.5	4234734	1.10E-08	9.83E-09	2.08E-08	1.87E-09	1.58E-09	3.44E-09	8.89E-09	7.21E-09	1.61E-08	1.46E-09	1.40E-09	2.85E-09	1.09E-09	7.14E-10	1.80E-09
956	563609.3	4234800	9.39E-09	8.37E-09	1.78E-08	1.59E-09	1.34E-09	2.94E-09	7.58E-09	6.14E-09	1.37E-08	1.24E-09	1.19E-09	2.43E-09	9.27E-10	6.08E-10	1.54E-09
957	563609.5	4234790	9.31E-09	8.30E-09	1.76E-08	1.58E-09	1.33E-09	2.91E-09	7.52E-09	6.09E-09	1.36E-08	1.23E-09	1.18E-09	2.41E-09	9.19E-10	6.03E-10	1.52E-09
958	563609.7	4234781	9.30E-09	8.29E-09	1.76E-08	1.58E-09	1.33E-09	2.91E-09	7.51E-09	6.08E-09	1.36E-08	1.23E-09	1.18E-09	2.41E-09	9.18E-10	6.03E-10	1.52E-09
959	563609.8	4234772	9.34E-09	8.34E-09	1.77E-08	1.59E-09	1.34E-09	2.92E-09	7.55E-09	6.12E-09	1.37E-08	1.24E-09	1.19E-09	2.42E-09	9.23E-10	6.06E-10	1.53E-09
960	563610	4234762	9.40E-09	8.38E-09	1.78E-08	1.59E-09	1.34E-09	2.94E-09	7.59E-09	6.15E-09	1.37E-08	1.24E-09	1.19E-09	2.43E-09	9.28E-10	6.09E-10	1.54E-09
961	563610.2	4234753	9.46E-09	8.44E-09	1.79E-08	1.60E-09	1.35E-09	2.96E-09	7.64E-09	6.19E-09	1.38E-08	1.25E-09	1.20E-09	2.45E-09	9.34E-10	6.13E-10	1.55E-09
962	563649.1	4234810	8.04E-09	7.17E-09	1.52E-08	1.36E-09	1.15E-09	2.51E-09	6.49E-09	5.26E-09	1.18E-08	1.06E-09	1.02E-09	2.08E-09	7.94E-10	5.21E-10	1.32E-09
963	563649.3	4234800	8.07E-09	7.20E-09	1.53E-08	1.37E-09	1.15E-09	2.52E-09	6.51E-09	5.28E-09	1.18E-08	1.07E-09	1.02E-09	2.09E-09	7.97E-10	5.23E-10	1.32E-09
964	563649.5	4234791	8.10E-09	7.23E-09	1.53E-08	1.37E-09	1.16E-09	2.53E-09	6.54E-09	5.30E-09	1.18E-08	1.07E-09	1.03E-09	2.10E-09	8.00E-10	5.25E-10	1.32E-09
965	563649.7	4234782	8.14E-09	7.26E-09	1.54E-08	1.38E-09	1.16E-09	2.54E-09	6.57E-09	5.32E-09	1.19E-08	1.08E-09	1.03E-09	2.11E-09	8.04E-10	5.27E-10	1.33E-09
966	563649.8	4234772	8.18E-09	7.29E-09	1.55E-08	1.39E-09	1.17E-09	2.56E-09	6.60E-09	5.35E-09	1.20E-08	1.08E-09	1.04E-09	2.12E-09	8.08E-10	5.30E-10	1.34E-09
967	563650	4234763	8.22E-09	7.34E-09	1.56E-08	1.40E-09	1.18E-09	2.57E-09	6.64E-09	5.38E-09	1.20E-08	1.09E-09	1.04E-09	2.13E-09	8.12E-10	5.33E-10	1.35E-09
968	563650.2	4234754	8.28E-09	7.38E-09	1.57E-08	1.40E-09	1.18E-09	2.59E-09	6.68E-09	5.42E-09	1.21E-08	1.09E-09	1.05E-09	2.14E-09	8.17E-10	5.36E-10	1.35E-09
969	563689.3	4234801	6.96E-09	6.21E-09	1.32E-08	1.18E-09	9.96E-10	2.18E-09	5.62E-09	4.56E-09	1.02E-08	9.21E-10	8.83E-10	1.80E-09	6.88E-10	4.51E-10	1.14E-09
970	563689.5	4234792	7.00E-09	6.25E-09	1.33E-08	1.19E-09	1.00E-09	2.19E-09	5.66E-09	4.58E-09	1.02E-08	9.26E-10	8.89E-10	1.82E-09	6.92E-10	4.54E-10	1.15E-09
971	563689.6	4234783	7.05E-09	6.29E-09	1.33E-08	1.20E-09	1.01E-09	2.20E-09	5.69E-09	4.61E-09	1.03E-08	9.32E-10	8.94E-10	1.83E-09	6.96E-10	4.57E-10	1.15E-09
972	563689.8	4234773	7.08E-09	6.31E-09	1.34E-08	1.20E-09	1.01E-09	2.21E-09	5.72E-09	4.63E-09	1.03E-08	9.36E-10	8.98E-10	1.83E-09	6.99E-10	4.59E-10	1.16E-09
973	563690	4234764	7.11E-09	6.34E-09	1.35E-08	1.21E-09	1.02E-09	2.22E-09	5.74E-09	4.65E-09	1.04E-08	9.41E-10	9.03E-10	1.84E-09	7.02E-10	4.61E-10	1.16E-09
974	563729.5	4234793	6.07E-09	5.41E-09	1.15E-08	1.03E-09	8.67E-10	1.90E-09	4.90E-09	3.97E-09	8.87E-09	8.02E-10	7.70E-10	1.57E-09	5.99E-10	3.93E-10	9.92E-10
975	563729.6	4234783	6.11E-09	5.45E-09	1.16E-08	1.04E-09	8.74E-10	1.91E-09	4.94E-09	4.00E-09	8.94E-09	8.08E-10	7.76E-10	1.58E-09	6.04E-10	3.96E-10	1.00E-09
976	563729.8	4234774	6.14E-09	5.48E-09	1.16E-08	1.04E-09	8.78E-10	1.92E-09	4.96E-09	4.02E-09	8.97E-09	8.12E-10	7.79E-10	1.59E-09	6.06E-10	3.98E-10	1.00E-09
977	563809.8	4234775	4.78E-09	4.27E-09	9.05E-09	8.12E-10	6.84E-10	1.50E-09	3.86E-09	3.13E-09	6.99E-09	6.33E-10	6.07E-10	1.24E-09	4.73E-10	3.10E-10	7.83E-10
978	563929.3	4234806	3.00E-09	2.68E-09	5.68E-09	5.09E-10	4.29E-10	9.39E-10	2.42E-09	1.96E-09	4.39E-09	3.97E-10	3.81E-10	7.78E-10	2.96E-10	1.95E-10	4.91E-10
979	563929.8	4234778	3.24E-09	2.89E-09	6.14E-09	5.50E-10	4.64E-10	1.01E-09	2.62E-09	2.12E-09	4.74E-09	4.29E-10	4.12E-10	8.41E-10	3.20E-10	2.10E-10	5.31E-10
980	563929.9	4234768	3.31E-09	2.95E-09	6.26E-09	5.61E-10	4.73E-10	1.03E-09	2.67E-09	2.16E-09	4.83E-09	4.37E-10	4.19E-10	8.57E-10	3.26E-10	2.14E-10	5.41E-10
981	563930.1	4234759	3.37E-09	3.00E-09	6.37E-09	5.71E-10	4.82E-10	1.05E-09	2.72E-09	2.20E-09	4.92E-09	4.45E-10	4.27E-10	8.73E-10	3.33E-10	2.18E-10	5.51E-10
982	563930.3	4234750	3.46E-09	3.09E-09	6.55E-09	5.87E-10	4.95E-10	1.08E-09	2.79E-09	2.26E-09	5.06E-09	4.58E-10	4.39E-10	8.97E-10	3.42E-10	2.24E-10	5.66E-10
983	563251.1	4234713	1.64E-07	1.46E-07	3.10E-07	2.78E-08	2.34E-08	5.12E-08	1.32E-07	1.07E-07	2.39E-07	2.17E-08	2.08E-08	4.25E-08	1.62E-08	1.06E-08	2.68E-08
984	563251.7	4234698	1.47E-07	1.31E-07	2.79E-07	2.50E-08	2.11E-08	4.61E-08	1.19E-07	9.64E-08	2.15E-07	1.95E-08	1.87E-08	3.82E-08	1.46E-08	9.55E-09	2.41E-08
985	563261.1	4234713	1.25E-07	1.12E-07	2.37E-07	2.12E-08	1.79E-08	3.91E-08	1.01E-07	8.19E-08	1.83E-07	1.66E-08	1.59E-08	3.24E-08	1.24E-08	8.11E-09	2.05E-08
986	563261.7	4234698	1.13E-07	1.01E-07	2.14E-07	1.92E-08	1.62E-08	3.54E-08	9.15E-08	7.41E-08	1.66E-07	1.50E-08	1.44E-08	2.94E-08	1.12E-08	7.34E-09	1.85E-08
987	563271.1	4234714	9.95E-08	8.88E-08	1.88E-07	1.69E-08	1.42E-08	3.11E-08	8.04E-08	6.51E-08	1.45E-07	1.32E-08	1.26E-08	2.58E-08	9.83E-09	6.45E-09	1.63E-08
988	563271.7	4234698	9.08E-08	8.10E-08	1.72E-07	1.54E-08	1.30E-08	2.84E-08	7.34E-08	5.95E-08	1.33E-07	1.20E-08	1.15E-08	2.35E-08	8.97E-09	5.89E-09	1.49E-08
989	563281.1	4234714	8.15E-08	7.27E-08	1.54E-07	1.38E-08	1.17E-08	2.55E-08	6.58E-08	5.33E-08	1.19E-07	1.08E-08	1.03E-08	2.11E-08	8.05E-09	5.28E-09	1.33E-08
990	563281.7	4234699	7.47E-08	6.67E-08	1.41E-07	1.27E-08	1.07E-08	2.34E-08	6.03E-08	4.89E-08	1.09E-07	9.88E-09	9.48E-09	1.94E-08	7.38E-09	4.84E-09	1.22E-08
991	563291.1	4234714	6.85E-08	6.11E-08	1.30E-07	1.16E-08	9.79E-09	2.14E-08	5.53E-08	4.48E-08	1.00E-07	9.05E-09	8.69E-09	1.77E-08	6.76E-09	4.44E-09	1.12E-08
992	563291.7	4234699	6.30E-08	5.62E-08	1.19E-07	1.07E-08	9.01E-09	1.97E-08	5.09E-08	4.12E-08	9.21E-08	8.33E-09	8.00E-09	1.63E-08	6.22E-09	4.08E-09	1.03E-08
993	563301.1	4234715	5.87E-08	5.24E-08	1.11E-07	9.96E-09	8.40E-09	1.84E-08	4.74E-08	3.84E-08	8.58E-08	7.76E-09	7.45E-09	1.52E-08	5.80E-09	3.81E-09	9.60E-09
994	563301.7	4234699	5.43E-08	4.84E-08	1.03E-07	9.21E-09	7.76E-09	1.70E-08	4.38E-08	3.55E-08	7.93E-08	7.17E-09	6.88E-09	1.41E-08	5.36E-09	3.52E-09	8.87E-09
995	563311.1	4234715	5.12E-08	4.56E-08	9.68E-08	8.68E-09	7.32E-09	1.60E-08	4.13E-08	3.35E-08	7.48E-08	6.76E-09	6.49E-09	1.33E-08	5.05E-09	3.32E-09	8.37E-09
996	563311.7	4234700	4.77E-08	4.25E-08	9.02E-08	8.09E-09	6.82E-09	1.49E-08	3.85E-08	3.12E-08	6.97E-08	6.30E-09	6.05E-09	1.24E-08	4.71E-09	3.09E-09	7.80E-09
997	563321.1	4234715	4.52E-08	4.03E-08	8.55E-08	7.67E-09	6.46E-09	1.41E-08	3.65E-08	2.96E-08	6.60E-08	5.97E-09	5.73E-09	1.17E-08	4.46E-09	2.93E-09	7.39E-09

998	563321.7	4234700	4.25E-08	3.79E-08	8.03E-08	7.20E-09	6.07E-09	1.33E-08	3.43E-08	2.78E-08	6.21E-08	5.61E-09	5.39E-09	1.10E-08	4.19E-09	2.75E-09	6.94E-09
999	563331.1	4234716	4.04E-08	3.60E-08	7.64E-08	6.85E-09	5.77E-09	1.26E-08	3.26E-08	2.64E-08	5.90E-08	5.34E-09	5.12E-09	1.05E-08	3.99E-09	2.62E-09	6.60E-09
1000	563331.7	4234701	3.82E-08	3.41E-08	7.23E-08	6.49E-09	5.47E-09	1.20E-08	3.09E-08	2.50E-08	5.59E-08	5.06E-09	4.85E-09	9.91E-09	3.78E-09	2.48E-09	6.25E-09
1001	563351.1	4234717	3.34E-08	2.98E-08	6.31E-08	5.66E-09	4.77E-09	1.04E-08	2.69E-08	2.18E-08	4.88E-08	4.41E-09	4.23E-09	8.65E-09	3.30E-09	2.16E-09	5.46E-09
1002	563351.6	4234701	3.19E-08	2.84E-08	6.03E-08	5.41E-09	4.56E-09	9.96E-09	2.57E-08	2.09E-08	4.66E-08	4.21E-09	4.04E-09	8.26E-09	3.15E-09	2.06E-09	5.21E-09
1003	563371.1	4234717	2.83E-08	2.53E-08	5.36E-08	4.81E-09	4.05E-09	8.86E-09	2.29E-08	1.86E-08	4.14E-08	3.75E-09	3.60E-09	7.35E-09	2.80E-09	1.84E-09	4.64E-09
1004	563371.6	4234702	2.71E-08	2.42E-08	5.14E-08	4.61E-09	3.88E-09	8.49E-09	2.19E-08	1.78E-08	3.97E-08	3.59E-09	3.44E-09	7.03E-09	2.68E-09	1.76E-09	4.44E-09
1005	563391	4234718	2.45E-08	2.19E-08	4.64E-08	4.16E-09	3.51E-09	7.66E-09	1.98E-08	1.60E-08	3.58E-08	3.24E-09	3.11E-09	6.35E-09	2.42E-09	1.59E-09	4.01E-09
1006	563391.6	4234703	2.34E-08	2.09E-08	4.43E-08	3.98E-09	3.35E-09	7.33E-09	1.89E-08	1.53E-08	3.43E-08	3.10E-09	2.97E-09	6.07E-09	2.31E-09	1.52E-09	3.83E-09
1007	563411	4234719	2.17E-08	1.93E-08	4.10E-08	3.68E-09	3.10E-09	6.78E-09	1.75E-08	1.42E-08	3.17E-08	2.87E-09	2.75E-09	5.62E-09	2.14E-09	1.41E-09	3.55E-09
1008	563411.6	4234704	2.10E-08	1.87E-08	3.96E-08	3.55E-09	3.00E-09	6.55E-09	1.69E-08	1.37E-08	3.06E-08	2.77E-09	2.66E-09	5.43E-09	2.07E-09	1.36E-09	3.43E-09
1009	563431	4234720	1.94E-08	1.73E-08	3.67E-08	3.29E-09	2.77E-09	6.06E-09	1.56E-08	1.27E-08	2.83E-08	2.56E-09	2.46E-09	5.02E-09	1.91E-09	1.26E-09	3.17E-09
1010	563431.6	4234704	1.89E-08	1.69E-08	3.58E-08	3.21E-09	2.71E-09	5.92E-09	1.53E-08	1.24E-08	2.77E-08	2.50E-09	2.40E-09	4.90E-09	1.87E-09	1.23E-09	3.10E-09
1011	563451	4234720	1.74E-08	1.55E-08	3.30E-08	2.96E-09	2.49E-09	5.45E-09	1.41E-08	1.14E-08	2.55E-08	2.30E-09	2.21E-09	4.51E-09	1.72E-09	1.13E-09	2.85E-09
1012	563451.6	4234705	1.71E-08	1.53E-08	3.24E-08	2.90E-09	2.45E-09	5.35E-09	1.38E-08	1.12E-08	2.50E-08	2.26E-09	2.17E-09	4.43E-09	1.69E-09	1.11E-09	2.80E-09
1013	563471	4234721	1.58E-08	1.41E-08	2.98E-08	2.68E-09	2.26E-09	4.93E-09	1.27E-08	1.03E-08	2.31E-08	2.09E-09	2.00E-09	4.09E-09	1.56E-09	1.02E-09	2.58E-09
1014	563471.6	4234706	1.56E-08	1.39E-08	2.94E-08	2.64E-09	2.22E-09	4.86E-09	1.26E-08	1.02E-08	2.27E-08	2.06E-09	1.97E-09	4.03E-09	1.54E-09	1.01E-09	2.54E-09
1015	563491	4234722	1.45E-08	1.29E-08	2.74E-08	2.46E-09	2.07E-09	4.53E-09	1.17E-08	9.47E-09	2.12E-08	1.91E-09	1.84E-09	3.75E-09	1.43E-09	9.38E-10	2.37E-09
1016	563491.5	4234707	1.44E-08	1.28E-08	2.72E-08	2.43E-09	2.05E-09	4.49E-09	1.16E-08	9.39E-09	2.10E-08	1.90E-09	1.82E-09	3.72E-09	1.42E-09	9.30E-10	2.35E-09
1017	563511	4234723	1.36E-08	1.21E-08	2.57E-08	2.30E-09	1.94E-09	4.24E-09	1.10E-08	8.88E-09	1.98E-08	1.79E-09	1.72E-09	3.52E-09	1.34E-09	8.80E-10	2.22E-09
1018	563511.5	4234707	1.35E-08	1.21E-08	2.56E-08	2.29E-09	1.93E-09	4.23E-09	1.09E-08	8.85E-09	1.98E-08	1.79E-09	1.72E-09	3.50E-09	1.34E-09	8.76E-10	2.21E-09
1019	563530.9	4234723	1.25E-08	1.12E-08	2.37E-08	2.12E-09	1.79E-09	3.91E-09	1.01E-08	8.19E-09	1.83E-08	1.66E-09	1.59E-09	3.24E-09	1.24E-09	8.11E-10	2.05E-09
1020	563531.5	4234708	1.25E-08	1.12E-08	2.37E-08	2.12E-09	1.79E-09	3.91E-09	1.01E-08	8.18E-09	1.83E-08	1.65E-09	1.59E-09	3.24E-09	1.23E-09	8.10E-10	2.05E-09
1021	563571.2	4234717	1.11E-08	9.91E-09	2.10E-08	1.88E-09	1.59E-09	3.47E-09	8.97E-09	7.27E-09	1.62E-08	1.47E-09	1.41E-09	2.88E-09	1.10E-09	7.20E-10	1.82E-09
1022	563611.2	4234719	9.79E-09	8.74E-09	1.85E-08	1.66E-09	1.40E-09	3.06E-09	7.91E-09	6.41E-09	1.43E-08	1.30E-09	1.24E-09	2.54E-09	9.67E-10	6.35E-10	1.60E-09
1023	563690.3	4234745	7.22E-09	6.44E-09	1.37E-08	1.22E-09	1.03E-09	2.26E-09	5.83E-09	4.72E-09	1.06E-08	9.55E-10	9.16E-10	1.87E-09	7.13E-10	4.68E-10	1.18E-09
1024	563251.7	4234682	1.30E-07	1.16E-07	2.45E-07	2.20E-08	1.86E-08	4.06E-08	1.05E-07	8.49E-08	1.90E-07	1.72E-08	1.65E-08	3.36E-08	1.28E-08	8.41E-09	2.12E-08
1025	563261.7	4234682	1.01E-07	8.99E-08	1.91E-07	1.71E-08	1.44E-08	3.15E-08	8.14E-08	6.60E-08	1.47E-07	1.33E-08	1.28E-08	2.61E-08	9.96E-09	6.53E-09	1.65E-08
1026	563271.7	4234689	8.58E-08	7.65E-08	1.62E-07	1.46E-08	1.23E-08	2.68E-08	6.93E-08	5.61E-08	1.25E-07	1.13E-08	1.09E-08	2.22E-08	8.47E-09	5.56E-09	1.40E-08
1027	563281.7	4234689	7.10E-08	6.33E-08	1.34E-07	1.20E-08	1.02E-08	2.22E-08	5.73E-08	4.65E-08	1.04E-07	9.39E-09	9.01E-09	1.84E-08	7.01E-09	4.60E-09	1.16E-08
1028	563291.7	4234689	6.02E-08	5.37E-08	1.14E-07	1.02E-08	8.61E-09	1.88E-08	4.86E-08	3.94E-08	8.80E-08	7.96E-09	7.64E-09	1.56E-08	5.94E-09	3.90E-09	9.85E-09
1029	563301.7	4234689	5.20E-08	4.64E-08	9.84E-08	8.83E-09	7.44E-09	1.63E-08	4.20E-08	3.40E-08	7.60E-08	6.88E-09	6.60E-09	1.35E-08	5.14E-09	3.37E-09	8.51E-09
1030	563311.7	4234689	4.58E-08	4.09E-08	8.67E-08	7.78E-09	6.56E-09	1.43E-08	3.70E-08	3.00E-08	6.70E-08	6.06E-09	5.82E-09	1.19E-08	4.53E-09	2.97E-09	7.50E-09
1031	563321.7	4234689	4.09E-08	3.65E-08	7.75E-08	6.95E-09	5.86E-09	1.28E-08	3.31E-08	2.68E-08	5.99E-08	5.42E-09	5.20E-09	1.06E-08	4.04E-09	2.65E-09	6.70E-09
1032	563331.7	4234689	3.70E-08	3.30E-08	6.99E-08	6.27E-09	5.29E-09	1.16E-08	2.98E-08	2.42E-08	5.40E-08	4.89E-09	4.69E-09	9.58E-09	3.65E-09	2.40E-09	6.05E-09
1033	563351.7	4234689	3.08E-08	2.75E-08	5.82E-08	5.22E-09	4.40E-09	9.63E-09	2.49E-08	2.01E-08	4.50E-08	4.07E-09	3.91E-09	7.98E-09	3.04E-09	2.00E-09	5.04E-09
1034	563371.7	4234689	2.62E-08	2.34E-08	4.96E-08	4.45E-09	3.75E-09	8.20E-09	2.12E-08	1.72E-08	3.83E-08	3.47E-09	3.33E-09	6.80E-09	2.59E-09	1.70E-09	4.29E-09
1035	563391.7	4234689	2.27E-08	2.02E-08	4.29E-08	3.85E-09	3.25E-09	7.10E-09	1.83E-08	1.49E-08	3.32E-08	3.00E-09	2.88E-09	5.88E-09	2.24E-09	1.47E-09	3.71E-09
1036	563411.7	4234689	2.03E-08	1.81E-08	3.84E-08	3.45E-09	2.91E-09	6.35E-09	1.64E-08	1.33E-08	2.97E-08	2.69E-09	2.58E-09	5.26E-09	2.01E-09	1.32E-09	3.32E-09
1037	563431.7	4234689	1.84E-08	1.64E-08	3.49E-08	3.13E-09	2.63E-09	5.76E-09	1.49E-08	1.21E-08	2.69E-08	2.44E-09	2.34E-09	4.77E-09	1.82E-09	1.19E-09	3.01E-09
1038	563451.7	4234689	1.68E-08	1.50E-08	3.17E-08	2.85E-09	2.40E-09	5.25E-09	1.35E-08	1.10E-08	2.45E-08	2.22E-09	2.13E-09	4.35E-09	1.66E-09	1.09E-09	2.74E-09
1039	563471.7	4234697	1.54E-08	1.38E-08	2.92E-08	2.62E-09	2.21E-09	4.82E-09	1.25E-08	1.01E-08	2.26E-08	2.04E-09	1.96E-09	4.00E-09	1.52E-09	1.00E-09	2.52E-09
1040	563471.7	4234682	1.52E-08	1.36E-08	2.88E-08	2.58E-09	2.17E-09	4.75E-09	1.23E-08	9.95E-09	2.22E-08	2.01E-09	1.93E-09	3.94E-09	1.50E-09	9.85E-10	2.49E-09
1041	563491.7	4234697	1.43E-08	1.27E-08	2.70E-08	2.42E-09	2.04E-09	4.46E-09	1.15E-08	9.34E-09	2.09E-08	1.89E-09	1.81E-09	3.70E-09	1.41E-09	9.25E-10	2.33E-09
1042	563491.7	4234682	1.40E-08	1.25E-08	2.66E-08	2.38E-09	2.01E-09	4.39E-09	1.13E-08	9.19E-09	2.05E-08	1.86E-09	1.78E-09	3.64E-09	1.39E-09	9.11E-10	2.30E-09
1043	563511.7	4234697	1.35E-08	1.20E-08	2.55E-08	2.29E-09	1.93E-09	4.21E-09	1.09E-08	8.82E-09	1.97E-08	1.78E-09	1.71E-09	3.49E-09	1.33E-09	8.73E-10	2.20E-09
1044	563511.7	4234682	1.31E-08	1.17E-08	2.49E-08	2.23E-09	1.88E-09	4.11E-09	1.06E-08	8.60E-09	1.92E-08	1.74E-09	1.67E-09	3.41E-09	1.30E-09	8.52E-10	2.15E-09
1045	563531.7	4234697	1.25E-08	1.11E-08	2.36E-08	2.12E-09	1.79E-09	3.91E-09	1.01E-08	8.17E-09	1.83E-08	1.65E-09	1.58E-09	3.24E-09	1.23E-09	8.09E-10	2.04E-09
1046	563531.7	4234682	1.23E-08	1.10E-08	2.34E-08	2.10E-09	1.77E-09	3.86E-09	9.97E-09	8.08E-09	1.81E-08	1.63E-09	1.57E-09	3.20E-09	1.22E-09	8.00E-10	2.02E-09
1047	563571.6	4234703	1.12E-08	9.96E-09	2.11E-08	1.89E-09	1.60E-09	3.49E-09	9.02E-09	7.31E-09	1.63E-08	1.48E-09	1.42E-09	2.89E-09	1.10E-09	7.24E-10	1.83E-09
1048	563571.7	4234689	1.12E-08	1.00E-08	2.12E-08	1.90E-09	1.60E-09	3.51E-09	9.05E-09	7.34E-09	1.64E-08	1.48E-09	1.42E-09	2.91E-09	1.11E-09	7.27E-10	1.83E-09
1049	563611.6	4234704	9.92E-09	8.85E-09	1.88E-08	1.68E-09	1.42E-09	3.10E-09	8.01E-09	6.49E-09	1.45E-08	1.31E-09	1.26E-09	2.57E-09	9.80E-10	6.43E-10	1.62E-09
1050	563611.7	4234689	1.00E-08	8.92E-09	1.89E-08	1.70E-09	1.43E-09	3.13E-09	8.07E-09	6.54E-09	1.46E-08	1.32E-09	1.27E-09	2.59E-09	9.87E-10	6.48E-10	1.64E-09
1051	563651.6	4234702	8.64E-09	7.71E-09	1.64E-08	1.47E-09	1.24E-09	2.70E-09	6.98E-09	5.66E-09	1.26E-08	1.14E-09	1.10E-09	2.24E-09	8.53E-10	5.60E-10	1.41E-09
1052	563651.7	4234689	8.73E-09	7.79E-09	1.65E-08	1.48E-09	1.25E-09	2.73E-09	7.05E-09	5.71E-09	1.28E-08	1.15E-09	1.11E-09	2.26E-09	8.62E-10	5.66E-10	1.43E-09
1053	563691.7	4234697	7.58E-09	6.76E-09	1.43E-08	1.29E-09	1.08E-09	2.37E-09	6.12E-09	4.96E-09	1.11E-08	1.00E-09	9.62E-10	1.96E-09	7.49E-10	4.91E-10	1.24E-09
1054	563691.7	4234682	7.69E-09	6.86E-09	1.46E-08	1.30E-09	1.10E-09	2.40E-09	6.21E-09	5.03E-09	1.12E-08	1.02E-09	9.76E-10	1.99E-09	7.59E-10	4.98E-10	1.26E-09
1055	563731.7	4234689	6.69E-09	5.97E-09	1.27E-08	1.13E-09	9.57E-10	2.09E-09	5.40E-09	4.38E-09	9.78E-09	8.85E-10	8.49E-10	1.73E-09	6.61E-10	4.33E-10	1.09E-09
1056	563811.7	4234697	5.38E-09	4.80E-09	1.02E-08	9.12E-10	7.69E-10	1.68E-09	4.34E-09	3.52E-09	7.86E-09	7.11E-10	6.82E-10	1.39E-09	5.31E-10	3.48E-10	8.79E-10
1057	563261.7	4234671	9.28E-08	8.28E-08	1.76E-07	1.57E-08	1.33E-08	2.90E-08	7.49E-08	6.07E-08	1.36E-07	1.23E-08	1.18E-08	2.40E-08	9.16E-09	6.01E-09	1.52E-08
1058	563271.7	4234676	7.88E-08	7.03E-08	1.49E-07	1.34E-08	1.13E-08	2.46E-08	6.36E-08	5.16E-08	1.15E-07	1.04E-08	1.00E-08	2.04E-08	7.78E-09	5.11E-09	1.29E-08
1059	563281.7	4234676	6.62E-08	5.90E-08	1.25E-07	1.12E-08	9.46E-09	2.07E-08	5.34E-08	4.33E-08	9.67E-08	8.75E-09	8.40E-09	1.71E-08	6.53E-09	4.29E-09	1.08E-08
1060	563291.7	4234676	5.68E-08	5.07E-08	1.07E-07	9.64E-09	8.12E-09	1.78E-08	4.59E-08	3.72E-08	8.30E-08	7.51E-09	7.21E-09	1.47E-08	5.61E-09	3.68E-09	9.29E-09
1061	563301.7	4234676	4.96E-08	4.42E-08	9.38E-08	8.41E-09	7.09E-09	1.55E-08	4.00E-08	3.24E-08	7.24E-08	6.55E-09	6.29E-09	1.28E-08	4.89E-09	3.21E-09	8.11E-09
1062	563311.7	4234676	4.39E-08	3.92E-08	8.31E-08	7.45E-09	6.28E-09	1.37E-08	3.55E-08	2.87E-08	6.42E-08	5.81E-09	5.57E-09	1.14E-08	4.34E-09	2.85E-09	7.18E-09
1063	563321.7	4234676	3.94E-08	3.51E-08	7.45E-08	6.68E-09	5.63E-09	1.23E-08	3.18E-08	2.58E-08	5.76E-08	5.21E-09	5.00E-09	1.02E-08	3.89E-09	2.55E-09	6.44E-09
1064	563331.7	4234676	3.56E-08	3.18E-08	6.74E-08	6.05E-09	5.10E-09	1.11E-08	2.88E-08	2.33E-08	5.21E-08	4.71E-09	4.52E-09	9.24E-09	3.52E-09	2.31E-09	5.83E-09
1065	563351.7	4234676	2.96E-08	2.64E-08	5.61E-08	5.03E-09	4.24E-09	9.27E-09	2.39E-08	1.94E-08	4.33E-08	3.92E-09	3.76E-09	7.68E-09	2.93E-09	1.92E-09	4.85E-09
1066	563371.7	4234676	2.53E-08	2.26E-08	4.79E-08	4.29E-09	3.62E-09	7.91E-09	2.04E-08	1.66E-08	3.70E-08	3.35E-09	3.21E-09	6.56E-09	2.50E-09	1.64E-09	4.14E-09
1067	563391.7	4234676	2.21E-08	1.97E-08	4.18E-08	3.75E-09	3.16E-09	6.91E-09	1.78E-08	1.45E-08	3.23E-08	2.92E-09	2.80E-09	5.73E-09	2.18E-09	1.43E-09	3.61E-09
1068	563411.7	4234676	1.97E-08	1.76E-08	3.73E-08	3.35E-09	2.82E-09	6.17E-09	1.59E-08	1.29E-08	2.88E-08	2.61E-09	2.50E-09	5.11E-09	1.95E-09	1.28E-09	3.23E-09
1069	563431.7	4234676	1.79E-08	1.60E-08	3.39E-08	3.04E-09	2.56E-09	5.60E-09	1.45E-08	1.17E-08	2.62E-08	2.37E-09	2.27E-09	4.64E-09	1.77E-09	1.16E-09	2.93E-09
1070	563451.7	4234676	1.65E-08	1.47E-08	3.12E-08	2.80E-09	2.36E-09	5.15E-09	1.33E-08	1.08E-08	2.41E-08	2.18E-09	2.09E-09	4.27E-09	1.63E-09	1.07E-09	2.70E-09
1071	563471.7	4234671	1.50E-08	1.34E-08	2.84E-08	2.55E-09	2.15E-09	4.69E-09	1.21E-08	9.82E-09	2.19E-08	1.98E-09	1.90E-09	3.89E-09	1.48E-09	9.72E-10	2.45E-09
1072	563491.7	4234671	1.38E-08	1.24E-08	2.62E-08	2.35E-09	1.98E-09	4.33E-09	1.12E-08	9.06E-09	2.02E-08	1.83E-09	1.76E-09	3.59E-09	1.37E-09	8.98E-10	2.27E-09
1073	563511.7	4234671	1.29E-08	1.15E-08	2.44E-08	2.18E-09	1.84E-09	4.02E-09	1.04E-08	8.42E-09	1.88E-08	1.70E-09	1.63E-09	3.34E-09	1.27E-09	8.34E-10	2.11E-09
1074	563531.7	4234671	1.22E-08	1.09E-08	2.31E-08	2.07E-09	1.74E-09	3.82E-09	9.85E-09	7.98E-09	1.78E-08	1.61E-09	1.55E-09	3.16E-09	1.20E-09	7.91E-10	2.00E-09
1075	563571.7	4234676	1.12E-08	1.00E-08	2.12E-08	1.90E-09	1.60E-09	3.51E-09	9.06E-09	7.34E-09	1.64E-08	1.48E-09	1.42E-09	2.91E-09	1.11E-09	7.27E-10	1.84E-09
1076	563611.7	4234676	1.01E-08	8.97E-09	1.90E-08	1.71E-09	1.44E-09	3.14E-09	8.11E-09	6.58E-09	1.47E-08	1.33E-09	1.28E-09	2.60E-09	9.93E-10	6.51E-10	1.64E-09
1077	563651.7	4234676	8.81E-09	7.85E-09	1.67E-08	1.49E-09	1.26E-09	2.75E-09	7.11E-09	5.76E-09	1.29E-08	1.16E-09	1.12E-09	2.28E-09	8.70E-10	5.71E-10	1.44E-09
1078	563261.5	4234655	8.41E-08	7.50E-08	1.59E-07	1.43E-08	1.20E-08	2.63E-08	6.79E-08	5.51E-08	1.23E-07	1.11E-08	1.07E-08	2.18E-08	8.31E-09	5.45E-09	1.38E-08
1079	563271.6	4234662	7.28E-08	6.50E-08	1.38E-07	1.24E-08	1.04E-08	2.28E-08	5.88E-08	4.77E-08	1.06E-07	9.63E-09	9.24E-09	1.89E-08	7.19E-09	4.72E-09	1.19E-08
1080	563281.6	4234662	6.20E-08	5.53E-08	1.17E-07	1.05E-08	8.86E-09	1.94E-08	5.00E-08	4.06E-08	9.06E-08	8.20E-09	7.86E-09	1.61E-08	6.12E-09	4.02E-09	1.01E-08
1081	563291.6	4234662	5.37E-08	4.79E-08	1.02E-07	9.12E-09	7.69E-09	1.68E-08	4.34E-08	3.52E-08	7.86E-08	7.11E-09	6.82E-09	1.39E-08	5.31E-09	3.48E-09	8.79E-09
1082	563301.6	4234662	4.73E-08	4.22E-08	8.94E-08	8.02E-09	6.76E-09	1.48E-08	3.82E-08	3.09E-08	6.91E-08	6.25E-09	6.00E-09	1.22E-08	4.67E-09	3.06E-09	7.73E-09
1083	563311.6	4234662	4.21E-08	3.75E-08	7.96E-08	7.14E-09	6.02E-09	1.32E-08	3.40E-08	2.75E-08	6.15E-08	5.56E-09	5.34E-09	1.09E-08	4.15E-09	2.73E-09	6.88E-09
1084	563321.6	4234662	3.78E-08	3.37E-08	7.16E-08	6.42E-09	5.41E-09	1.18E-08	3.05E-08	2.48E-08	5.53E-08	5.00E-09	4.80E-09	9.80E-09	3.74E-09	2.45E-09	6.19E-09
1085	563331.6	4234662	3.43E-08	3.06E-08	6.49E-08	5.82E-09	4.91E-09	1.07E-08	2.77E-08	2.25E-08	5.02E-08	4.54E-09	4.35E-09	8.89E-09	3.39E-09	2.22E-09	5.61E-09
1086	563351.6	4234661	2.85E-08	2.54E-08	5.39E-08	4.84E-09	4.08E-09	8.91E-09	2.30E-08	1.87E-08	4.17E-08	3.77E-09	3.62E-09	7.39E-09	2.81E-09	1.85E-09	4.66E-09
1087	563371.6	4234661	2.44E-08	2.17E-08	4.61E-08	4.14E-09	3.49E-09	7.62E-09	1.97E-08	1.59E-08	3.56E-08	3.22E-09	3.09E-09	6.32E-09	2.41E-09	1.58E-09	3.99E-09
1088	563391.6	4234661	2.14E-08	1.91E-08	4.05E-08	3.63E-09	3.06E-09	6.69E-09	1.73E-08	1.40E-08	3.13E-08	2.83E-09	2.71E-09	5.54E-09	2.11E-09	1.39E-09	3.50E-09

1089	563411.6	4234661	1.91E-08	1.70E-08	3.61E-08	3.24E-09	2.73E-09	5.96E-09	1.54E-08	1.25E-08	2.79E-08	2.52E-09	2.42E-09	4.94E-09	1.88E-09	1.24E-09	3.12E-09
1090	563278.4	4234603	5.28E-08	4.71E-08	1.00E-07	8.97E-09	7.56E-09	1.65E-08	4.27E-08	3.46E-08	7.72E-08	6.99E-09	6.70E-09	1.37E-08	5.22E-09	3.42E-09	8.64E-09
1091	563291.5	4234605	4.48E-08	4.00E-08	8.48E-08	7.61E-09	6.41E-09	1.40E-08	3.62E-08	2.93E-08	6.55E-08	5.93E-09	5.69E-09	1.16E-08	4.43E-09	2.91E-09	7.33E-09
1092	563285.6	4234596	4.72E-08	4.21E-08	8.93E-08	8.01E-09	6.75E-09	1.48E-08	3.81E-08	3.09E-08	6.90E-08	6.24E-09	5.99E-09	1.22E-08	4.66E-09	3.06E-09	7.72E-09
1093	563298.8	4234598	4.04E-08	3.61E-08	7.65E-08	6.86E-09	5.78E-09	1.26E-08	3.26E-08	2.65E-08	5.91E-08	5.35E-09	5.13E-09	1.05E-08	3.99E-09	2.62E-09	6.61E-09
1094	563302.9	4234608	3.95E-08	3.53E-08	7.48E-08	6.71E-09	5.65E-09	1.24E-08	3.19E-08	2.59E-08	5.78E-08	5.23E-09	5.02E-09	1.02E-08	3.90E-09	2.56E-09	6.47E-09
1095	563292.9	4234589	4.25E-08	3.79E-08	8.05E-08	7.22E-09	6.08E-09	1.33E-08	3.43E-08	2.78E-08	6.22E-08	5.62E-09	5.40E-09	1.10E-08	4.20E-09	2.76E-09	6.96E-09
1096	563305.9	4234591	3.67E-08	3.27E-08	6.94E-08	6.22E-09	5.24E-09	1.15E-08	2.96E-08	2.40E-08	5.36E-08	4.85E-09	4.65E-09	9.50E-09	3.62E-09	2.38E-09	6.00E-09
1097	563309.8	4234601	3.58E-08	3.19E-08	6.77E-08	6.07E-09	5.11E-09	1.12E-08	2.89E-08	2.34E-08	5.23E-08	4.73E-09	4.54E-09	9.27E-09	3.53E-09	2.32E-09	5.85E-09
1098	563300.1	4234582	3.86E-08	3.44E-08	7.29E-08	6.54E-09	5.51E-09	1.21E-08	3.11E-08	2.52E-08	5.64E-08	5.10E-09	4.89E-09	9.99E-09	3.81E-09	2.50E-09	6.31E-09
1099	563320.5	4234577	3.03E-08	2.71E-08	5.74E-08	5.15E-09	4.34E-09	9.48E-09	2.45E-08	1.98E-08	4.43E-08	4.01E-09	3.85E-09	7.86E-09	2.99E-09	1.97E-09	4.96E-09
1100	563324.6	4234588	2.96E-08	2.64E-08	5.60E-08	5.02E-09	4.23E-09	9.25E-09	2.39E-08	1.94E-08	4.33E-08	3.91E-09	3.75E-09	7.67E-09	2.92E-09	1.92E-09	4.84E-09
1101	563328.8	4234598	2.90E-08	2.59E-08	5.49E-08	4.93E-09	4.15E-09	9.08E-09	2.34E-08	1.90E-08	4.24E-08	3.84E-09	3.68E-09	7.52E-09	2.87E-09	1.88E-09	4.75E-09
1102	563332.9	4234608	2.87E-08	2.56E-08	5.42E-08	4.86E-09	4.10E-09	8.96E-09	2.31E-08	1.87E-08	4.19E-08	3.79E-09	3.64E-09	7.42E-09	2.83E-09	1.86E-09	4.69E-09
1103	563314.6	4234568	3.17E-08	2.83E-08	6.00E-08	5.38E-09	4.54E-09	9.92E-09	2.56E-08	2.08E-08	4.64E-08	4.20E-09	4.03E-09	8.22E-09	3.13E-09	2.06E-09	5.19E-09
1104	563334.9	4234563	2.54E-08	2.27E-08	4.81E-08	4.32E-09	3.64E-09	7.95E-09	2.05E-08	1.66E-08	3.72E-08	3.36E-09	3.23E-09	6.59E-09	2.51E-09	1.65E-09	4.16E-09
1105	563339	4234573	2.50E-08	2.23E-08	4.72E-08	4.24E-09	3.57E-09	7.81E-09	2.02E-08	1.63E-08	3.65E-08	3.30E-09	3.17E-09	6.47E-09	2.47E-09	1.62E-09	4.08E-09
1106	563343.1	4234583	2.45E-08	2.19E-08	4.64E-08	4.16E-09	3.51E-09	7.67E-09	1.98E-08	1.61E-08	3.59E-08	3.25E-09	3.11E-09	6.36E-09	2.42E-09	1.59E-09	4.01E-09
1107	563347.1	4234593	2.42E-08	2.16E-08	4.58E-08	4.11E-09	3.46E-09	7.58E-09	1.96E-08	1.59E-08	3.54E-08	3.20E-09	3.07E-09	6.28E-09	2.39E-09	1.57E-09	3.96E-09
1108	563351.2	4234603	2.40E-08	2.14E-08	4.54E-08	4.08E-09	3.43E-09	7.51E-09	1.94E-08	1.57E-08	3.51E-08	3.18E-09	3.05E-09	6.22E-09	2.37E-09	1.56E-09	3.93E-09
1109	563329.1	4234554	2.65E-08	2.37E-08	5.02E-08	4.50E-09	3.80E-09	8.30E-09	2.14E-08	1.74E-08	3.88E-08	3.51E-09	3.37E-09	6.88E-09	2.62E-09	1.72E-09	4.34E-09
1110	563349.4	4234550	2.18E-08	1.95E-08	4.13E-08	3.70E-09	3.12E-09	6.82E-09	1.76E-08	1.43E-08	3.19E-08	2.89E-09	2.77E-09	5.65E-09	2.16E-09	1.41E-09	3.57E-09
1111	563353.4	4234559	2.14E-08	1.91E-08	4.05E-08	3.63E-09	3.06E-09	6.69E-09	1.73E-08	1.40E-08	3.13E-08	2.83E-09	2.71E-09	5.54E-09	2.11E-09	1.39E-09	3.50E-09
1112	563357.4	4234569	2.10E-08	1.88E-08	3.98E-08	3.57E-09	3.01E-09	6.58E-09	1.70E-08	1.38E-08	3.08E-08	2.78E-09	2.67E-09	5.45E-09	2.08E-09	1.36E-09	3.44E-09
1113	563361.4	4234579	2.08E-08	1.85E-08	3.93E-08	3.53E-09	2.97E-09	6.50E-09	1.68E-08	1.36E-08	3.04E-08	2.75E-09	2.64E-09	5.39E-09	2.05E-09	1.35E-09	3.40E-09
1114	563365.4	4234589	2.06E-08	1.84E-08	3.90E-08	3.50E-09	2.95E-09	6.45E-09	1.67E-08	1.35E-08	3.02E-08	2.73E-09	2.62E-09	5.35E-09	2.04E-09	1.34E-09	3.38E-09
1115	563369.4	4234599	2.06E-08	1.84E-08	3.89E-08	3.49E-09	2.94E-09	6.44E-09	1.66E-08	1.35E-08	3.01E-08	2.72E-09	2.61E-09	5.33E-09	2.03E-09	1.33E-09	3.37E-09
1116	563373.5	4234609	2.06E-08	1.84E-08	3.90E-08	3.50E-09	2.95E-09	6.44E-09	1.66E-08	1.35E-08	3.01E-08	2.73E-09	2.61E-09	5.34E-09	2.04E-09	1.34E-09	3.37E-09
1117	563343.5	4234541	2.28E-08	2.03E-08	4.31E-08	3.86E-09	3.26E-09	7.12E-09	1.84E-08	1.49E-08	3.33E-08	3.01E-09	2.89E-09	5.90E-09	2.25E-09	1.48E-09	3.73E-09
1118	563363.9	4234536	1.91E-08	1.70E-08	3.61E-08	3.23E-09	2.73E-09	5.96E-09	1.54E-08	1.25E-08	2.79E-08	2.52E-09	2.42E-09	4.94E-09	1.88E-09	1.23E-09	3.12E-09
1119	563368.1	4234546	1.86E-08	1.66E-08	3.52E-08	3.16E-09	2.66E-09	5.83E-09	1.50E-08	1.22E-08	2.72E-08	2.46E-09	2.36E-09	4.83E-09	1.84E-09	1.21E-09	3.05E-09
1120	563372.2	4234556	1.83E-08	1.63E-08	3.47E-08	3.11E-09	2.62E-09	5.73E-09	1.48E-08	1.20E-08	2.68E-08	2.42E-09	2.32E-09	4.75E-09	1.81E-09	1.19E-09	3.00E-09
1121	563376.3	4234566	1.81E-08	1.62E-08	3.43E-08	3.07E-09	2.59E-09	5.66E-09	1.46E-08	1.19E-08	2.65E-08	2.39E-09	2.30E-09	4.69E-09	1.79E-09	1.17E-09	2.96E-09
1122	563380.5	4234577	1.80E-08	1.61E-08	3.41E-08	3.05E-09	2.57E-09	5.63E-09	1.45E-08	1.18E-08	2.63E-08	2.38E-09	2.28E-09	4.66E-09	1.78E-09	1.17E-09	2.94E-09
1123	563384.6	4234587	1.80E-08	1.60E-08	3.40E-08	3.05E-09	2.57E-09	5.62E-09	1.45E-08	1.18E-08	2.63E-08	2.38E-09	2.28E-09	4.66E-09	1.78E-09	1.16E-09	2.94E-09
1124	563388.8	4234597	1.80E-08	1.61E-08	3.41E-08	3.06E-09	2.58E-09	5.63E-09	1.45E-08	1.18E-08	2.63E-08	2.38E-09	2.29E-09	4.67E-09	1.78E-09	1.17E-09	2.95E-09
1125	563392.9	4234607	1.81E-08	1.61E-08	3.42E-08	3.07E-09	2.59E-09	5.66E-09	1.46E-08	1.18E-08	2.65E-08	2.39E-09	2.30E-09	4.69E-09	1.79E-09	1.17E-09	2.96E-09
1126	563358	4234527	1.99E-08	1.77E-08	3.76E-08	3.38E-09	2.84E-09	6.22E-09	1.61E-08	1.30E-08	2.91E-08	2.63E-09	2.52E-09	5.15E-09	1.96E-09	1.29E-09	3.25E-09
1127	563378.4	4234522	1.69E-08	1.51E-08	3.20E-08	2.87E-09	2.42E-09	5.29E-09	1.37E-08	1.11E-08	2.47E-08	2.24E-09	2.15E-09	4.39E-09	1.67E-09	1.10E-09	2.77E-09
1128	563382.5	4234532	1.65E-08	1.47E-08	3.13E-08	2.80E-09	2.36E-09	5.16E-09	1.33E-08	1.08E-08	2.41E-08	2.18E-09	2.10E-09	4.28E-09	1.63E-09	1.07E-09	2.70E-09
1129	563386.6	4234542	1.62E-08	1.44E-08	3.06E-08	2.75E-09	2.31E-09	5.06E-09	1.31E-08	1.06E-08	2.37E-08	2.14E-09	2.05E-09	4.19E-09	1.60E-09	1.05E-09	2.65E-09
1130	563390.6	4234552	1.60E-08	1.42E-08	3.02E-08	2.71E-09	2.28E-09	4.99E-09	1.29E-08	1.05E-08	2.33E-08	2.11E-09	2.03E-09	4.14E-09	1.58E-09	1.03E-09	2.61E-09
1131	563394.7	4234562	1.59E-08	1.42E-08	3.00E-08	2.69E-09	2.27E-09	4.96E-09	1.28E-08	1.04E-08	2.32E-08	2.10E-09	2.01E-09	4.11E-09	1.57E-09	1.03E-09	2.60E-09
1132	563398.8	4234572	1.58E-08	1.41E-08	3.00E-08	2.69E-09	2.27E-09	4.95E-09	1.28E-08	1.04E-08	2.32E-08	2.10E-09	2.01E-09	4.11E-09	1.56E-09	1.03E-09	2.59E-09
1133	563402.9	4234582	1.59E-08	1.42E-08	3.01E-08	2.70E-09	2.27E-09	4.97E-09	1.28E-08	1.04E-08	2.32E-08	2.10E-09	2.02E-09	4.12E-09	1.57E-09	1.03E-09	2.60E-09
1134	563407	4234592	1.60E-08	1.43E-08	3.03E-08	2.72E-09	2.29E-09	5.01E-09	1.29E-08	1.05E-08	2.34E-08	2.12E-09	2.03E-09	4.15E-09	1.58E-09	1.04E-09	2.62E-09
1135	563411.1	4234602	1.62E-08	1.45E-08	3.07E-08	2.75E-09	2.32E-09	5.07E-09	1.31E-08	1.06E-08	2.37E-08	2.15E-09	2.06E-09	4.20E-09	1.60E-09	1.05E-09	2.65E-09
1136	563415.2	4234612	1.64E-08	1.47E-08	3.11E-08	2.79E-09	2.35E-09	5.14E-09	1.33E-08	1.08E-08	2.40E-08	2.18E-09	2.09E-09	4.26E-09	1.62E-09	1.07E-09	2.69E-09
1137	563372.5	4234513	1.77E-08	1.57E-08	3.34E-08	3.00E-09	2.52E-09	5.52E-09	1.43E-08	1.16E-08	2.58E-08	2.33E-09	2.24E-09	4.57E-09	1.74E-09	1.14E-09	2.89E-09
1138	563392.9	4234508	1.52E-08	1.36E-08	2.89E-08	2.59E-09	2.18E-09	4.77E-09	1.23E-08	9.98E-09	2.23E-08	2.02E-09	1.93E-09	3.95E-09	1.51E-09	9.88E-10	2.49E-09
1139	563397.1	4234519	1.49E-08	1.33E-08	2.81E-08	2.52E-09	2.13E-09	4.65E-09	1.20E-08	9.73E-09	2.17E-08	1.97E-09	1.89E-09	3.85E-09	1.47E-09	9.64E-10	2.43E-09
1140	563401.3	4234529	1.45E-08	1.30E-08	2.75E-08	2.46E-09	2.08E-09	4.54E-09	1.17E-08	9.51E-09	2.12E-08	1.92E-09	1.84E-09	3.76E-09	1.43E-09	9.41E-10	2.38E-09
1141	563405.5	4234539	1.43E-08	1.28E-08	2.71E-08	2.43E-09	2.05E-09	4.47E-09	1.16E-08	9.36E-09	2.09E-08	1.89E-09	1.82E-09	3.71E-09	1.41E-09	9.27E-10	2.34E-09
1142	563409.7	4234550	1.42E-08	1.27E-08	2.69E-08	2.41E-09	2.03E-09	4.44E-09	1.15E-08	9.29E-09	2.08E-08	1.88E-09	1.80E-09	3.68E-09	1.40E-09	9.20E-10	2.32E-09
1143	563413.8	4234560	1.42E-08	1.26E-08	2.68E-08	2.40E-09	2.02E-09	4.43E-09	1.14E-08	9.26E-09	2.07E-08	1.87E-09	1.80E-09	3.67E-09	1.40E-09	9.17E-10	2.32E-09
1144	563418	4234570	1.42E-08	1.26E-08	2.68E-08	2.40E-09	2.02E-09	4.43E-09	1.14E-08	9.26E-09	2.07E-08	1.87E-09	1.80E-09	3.67E-09	1.40E-09	9.17E-10	2.32E-09
1145	563422.2	4234580	1.43E-08	1.27E-08	2.70E-08	2.42E-09	2.04E-09	4.46E-09	1.15E-08	9.33E-09	2.08E-08	1.88E-09	1.81E-09	3.69E-09	1.41E-09	9.24E-10	2.33E-09
1146	563426.4	4234591	1.45E-08	1.29E-08	2.74E-08	2.46E-09	2.07E-09	4.53E-09	1.17E-08	9.48E-09	2.12E-08	1.92E-09	1.84E-09	3.75E-09	1.43E-09	9.39E-10	2.37E-09
1147	563430.6	4234601	1.48E-08	1.32E-08	2.79E-08	2.50E-09	2.11E-09	4.61E-09	1.19E-08	9.66E-09	2.16E-08	1.95E-09	1.87E-09	3.82E-09	1.46E-09	9.56E-10	2.41E-09
1148	563434.8	4234611	1.50E-08	1.34E-08	2.83E-08	2.54E-09	2.14E-09	4.68E-09	1.21E-08	9.80E-09	2.19E-08	1.98E-09	1.90E-09	3.88E-09	1.48E-09	9.71E-10	2.45E-09
1149	563387	4234499	1.59E-08	1.42E-08	3.00E-08	2.69E-09	2.27E-09	4.97E-09	1.28E-08	1.04E-08	2.32E-08	2.10E-09	2.01E-09	4.11E-09	1.57E-09	1.03E-09	2.60E-09
1150	563407.4	4234495	1.37E-08	1.22E-08	2.59E-08	2.33E-09	1.96E-09	4.29E-09	1.11E-08	8.97E-09	2.00E-08	1.81E-09	1.74E-09	3.55E-09	1.35E-09	8.89E-10	2.24E-09
1151	563411.5	4234505	1.34E-08	1.19E-08	2.53E-08	2.27E-09	1.91E-09	4.18E-09	1.08E-08	8.76E-09	1.96E-08	1.77E-09	1.70E-09	3.47E-09	1.32E-09	8.67E-10	2.19E-09
1152	563415.6	4234515	1.31E-08	1.17E-08	2.48E-08	2.23E-09	1.88E-09	4.10E-09	1.06E-08	8.59E-09	1.92E-08	1.74E-09	1.67E-09	3.40E-09	1.30E-09	8.51E-10	2.15E-09
1153	563419.8	4234525	1.29E-08	1.15E-08	2.45E-08	2.20E-09	1.85E-09	4.05E-09	1.04E-08	8.47E-09	1.89E-08	1.71E-09	1.64E-09	3.35E-09	1.28E-09	8.39E-10	2.12E-09
1154	563423.9	4234535	1.29E-08	1.15E-08	2.43E-08	2.18E-09	1.84E-09	4.02E-09	1.04E-08	8.41E-09	1.88E-08	1.70E-09	1.63E-09	3.33E-09	1.27E-09	8.33E-10	2.10E-09
1155	563428.1	4234545	1.29E-08	1.15E-08	2.44E-08	2.18E-09	1.84E-09	4.03E-09	1.04E-08	8.42E-09	1.88E-08	1.70E-09	1.63E-09	3.34E-09	1.27E-09	8.34E-10	2.11E-09
1156	563432.2	4234556	1.29E-08	1.15E-08	2.43E-08	2.18E-09	1.84E-09	4.02E-09	1.04E-08	8.42E-09	1.88E-08	1.70E-09	1.63E-09	3.33E-09	1.27E-09	8.34E-10	2.10E-09
1157	563436.3	4234566	1.29E-08	1.15E-08	2.44E-08	2.19E-09	1.84E-09	4.03E-09	1.04E-08	8.44E-09	1.89E-08	1.71E-09	1.64E-09	3.34E-09	1.27E-09	8.36E-10	2.11E-09
1158	563401.5	4234485	1.43E-08	1.28E-08	2.70E-08	2.43E-09	2.04E-09	4.47E-09	1.15E-08	9.35E-09	2.09E-08	1.89E-09	1.81E-09	3.70E-09	1.41E-09	9.26E-10	2.34E-09
1159	563421.8	4234481	1.24E-08	1.11E-08	2.35E-08	2.11E-09	1.77E-09	3.88E-09	1.00E-08	8.12E-09	1.81E-08	1.64E-09	1.57E-09	3.21E-09	1.23E-09	8.04E-10	2.03E-09
1160	563425.9	4234491	1.21E-08	1.08E-08	2.29E-08	2.06E-09	1.73E-09	3.79E-09	9.79E-09	7.94E-09	1.77E-08	1.60E-09	1.54E-09	3.14E-09	1.20E-09	7.86E-10	1.98E-09
1161	563430	4234501	1.20E-08	1.07E-08	2.26E-08	2.03E-09	1.71E-09	3.74E-09	9.65E-09	7.82E-09	1.75E-08	1.58E-09	1.52E-09	3.10E-09	1.18E-09	7.75E-10	1.96E-09
1162	563434.1	4234511	1.19E-08	1.06E-08	2.25E-08	2.02E-09	1.70E-09	3.72E-09	9.60E-09	7.78E-09	1.74E-08	1.57E-09	1.51E-09	3.08E-09	1.17E-09	7.70E-10	1.94E-09
1163	563438.2	4234521	1.19E-08	1.06E-08	2.25E-08	2.02E-09	1.70E-09	3.71E-09	9.59E-09	7.77E-09	1.74E-08	1.57E-09	1.51E-09	3.08E-09	1.17E-09	7.70E-10	1.94E-09
1164	563442.3	4234531	1.19E-08	1.06E-08	2.25E-08	2.01E-09	1.70E-09	3.71E-09	9.58E-09	7.77E-09	1.73E-08	1.57E-09	1.51E-09	3.08E-09	1.17E-09	7.69E-10	1.94E-09
1165	563415.9	4234472	1.29E-08	1.15E-08	2.45E-08	2.19E-09	1.85E-09	4.04E-09	1.04E-08	8.46E-09	1.89E-08	1.71E-09	1.64E-09	3.35E-09	1.28E-09	8.38E-10	2.11E-09
1166	563436.3	4234467	1.14E-08	1.02E-08	2.16E-08	1.94E-09	1.63E-09	3.57E-09	9.21E-09	7.46E-09	1.67E-08	1.51E-09	1.45E-09	2.96E-09	1.13E-09	7.39E-10	1.87E-09
1167	563440.5	4234477	1.12E-08	9.96E-09	2.11E-08	1.89E-09	1.60E-09	3.49E-09	9.01E-09	7.30E-09	1.63E-08	1.48E-09	1.42E-09	2.89E-09	1.10E-09	7.23E-10	1.83E-09
1168	563444.7	4234488	1.10E-08	9.80E-09	2.08E-08	1.86E-09	1.57E-09	3.43E-09	8.87E-09	7.19E-09	1.61E-08	1.45E-09	1.39E-09	2.85E-09	1.08E-09	7.12E-10	1.80E-09
1169	563486.5	4234590	1.17E-08	1.04E-08	2.20E-08	1.98E-09	1.67E-09	3.64E-09	9.41E-09	7.62E-09	1.70E-08	1.54E-09	1.48E-09	3.02E-09	1.15E-09	7.55E-10	1.91E-09
1170	563490.6	4234600	1.18E-08	1.05E-08	2.23E-08	2.00E-09	1.68E-09	3.68E-09	9.51E-09	7.71E-09	1.72E-08	1.56E-09	1.49E-09	3.05E-09	1.16E-09	7.64E-10	1.93E-09
1171	563494.8	4234611	1.20E-08	1.07E-08	2.27E-08	2.03E-09	1.71E-09	3.74E-09	9.67E-09	7.84E-09	1.75E-08	1.58E-09	1.52E-09	3.10E-09	1.18E-09	7.76E-10	1.96E-09
1172	563499	4234621	1.22E-08	1.09E-08	2.32E-08	2.08E-09	1.75E-09	3.83E-09	9.88E-09	8.01E-09	1.79E-08	1.62E-09	1.55E-09	3.17E-09	1.21E-09	7.93E-10	2.00E-09
1173	563430.4	4234458	1.18E-08	1.05E-08	2.24E-08	2.01E-09	1.69E-09	3.70E-09	9.55E-09	7.74E-09	1.73E-08	1.56E-09	1.50E-09	3.06E-09	1.17E-09	7.66E-10	1.93E-09
1174	563488.1	4234545	1.10E-08	9.86E-09	2.09E-08	1.87E-09	1.58E-09	3.45E-09	8.92E-09	7.23E-09	1.62E-08	1.46E-09	1.40E-09	2.86E-09	1.09E-09	7.16E-10	1.81E-09
1175	563492.2	4234555	1.10E-08	9.82E-09	2.08E-08	1.87E-09	1.57E-09	3.44E-09	8.89E-09	7.20E-09	1.61E-08	1.46E-09	1.40E-09	2.85E-09	1.09E-09	7.13E-10	1.80E-09
1176	563496.3	4234565	1.10E-08	9.79E-09	2.08E-08	1.86E-09	1.57E-09	3.43E-09	8.86E-09	7.18E-09	1.60E-08	1.45E-09	1.39E-09	2.84E-09	1.08E-09	7.11E-10	1.80E-09
1177	563500.5	4234575	1.10E-08	9.82E-09	2.08E-08	1.87E-09	1.57E-09	3.44E-09	8.88E-09	7.20E-09	1.61E-08	1.46E-09	1.40E-09	2.85E-09	1.09E-09	7.13E-10	1.80E-09
1178	563504.6	4234585	1.11E-08	9.92E-09	2.10E-08	1.89E-09	1.59E-09	3.48E-09	8.97E-09	7.27E-09	1.62E-08	1.47E-09	1.41E-09	2.88E-09	1.10E-09	7.20E-10	1.82E-09
1179	563508.7	4234595	1.12E-08	1.00E-08	2.12E-08	1.91E-09	1.61E-09	3.51E-09	9.07E-09	7.35E-09	1.64E-08	1.49E-09	1.42E-09	2.91E-09	1.11E-09	7.28E-10	1.84E-09

1180	563512.9	4234606	1.13E-08	1.01E-08	2.14E-08	1.92E-09	1.62E-09	3.54E-09	9.15E-09	7.41E-09	1.66E-08	1.50E-09	1.44E-09	2.94E-09	1.12E-09	7.34E-10	1.85E-09
1181	563517	4234616	1.15E-08	1.03E-08	2.18E-08	1.96E-09	1.65E-09	3.61E-09	9.31E-09	7.54E-09	1.69E-08	1.52E-09	1.46E-09	2.99E-09	1.14E-09	7.47E-10	1.89E-09
1182	563521.2	4234626	1.17E-08	1.04E-08	2.22E-08	1.99E-09	1.67E-09	3.66E-09	9.45E-09	7.66E-09	1.71E-08	1.55E-09	1.49E-09	3.03E-09	1.16E-09	7.59E-10	1.91E-09
1183	563444.9	4234444	1.10E-08	9.78E-09	2.07E-08	1.86E-09	1.57E-09	3.43E-09	8.85E-09	7.17E-09	1.60E-08	1.45E-09	1.39E-09	2.84E-09	1.08E-09	7.10E-10	1.79E-09
1184	563496.5	4234467	8.53E-09	7.61E-09	1.61E-08	1.45E-09	1.22E-09	2.67E-09	6.89E-09	5.58E-09	1.25E-08	1.13E-09	1.08E-09	2.21E-09	8.43E-10	5.53E-10	1.40E-09
1185	563500.6	4234477	8.72E-09	7.78E-09	1.65E-08	1.48E-09	1.25E-09	2.73E-09	7.04E-09	5.70E-09	1.27E-08	1.15E-09	1.11E-09	2.26E-09	8.61E-10	5.65E-10	1.43E-09
1186	563504.8	4234487	8.96E-09	7.99E-09	1.69E-08	1.52E-09	1.28E-09	2.80E-09	7.23E-09	5.86E-09	1.31E-08	1.18E-09	1.14E-09	2.32E-09	8.85E-10	5.80E-10	1.46E-09
1187	563525.6	4234538	9.72E-09	8.67E-09	1.84E-08	1.65E-09	1.39E-09	3.04E-09	7.85E-09	6.36E-09	1.42E-08	1.29E-09	1.23E-09	2.52E-09	9.60E-10	6.30E-10	1.59E-09
1188	563529.8	4234549	9.99E-09	8.91E-09	1.89E-08	1.70E-09	1.43E-09	3.12E-09	8.07E-09	6.54E-09	1.46E-08	1.32E-09	1.27E-09	2.59E-09	9.87E-10	6.47E-10	1.63E-09
1189	563534	4234559	1.01E-08	9.04E-09	1.92E-08	1.72E-09	1.45E-09	3.17E-09	8.18E-09	6.63E-09	1.48E-08	1.34E-09	1.29E-09	2.63E-09	1.00E-09	6.57E-10	1.66E-09
1190	563538.2	4234569	1.03E-08	9.17E-09	1.94E-08	1.74E-09	1.47E-09	3.21E-09	8.30E-09	6.72E-09	1.50E-08	1.36E-09	1.30E-09	2.66E-09	1.01E-09	6.66E-10	1.68E-09
1191	563542.3	4234579	1.04E-08	9.27E-09	1.97E-08	1.76E-09	1.49E-09	3.25E-09	8.39E-09	6.80E-09	1.52E-08	1.37E-09	1.32E-09	2.69E-09	1.03E-09	6.74E-10	1.70E-09
1192	563546.5	4234589	1.05E-08	9.38E-09	1.99E-08	1.79E-09	1.50E-09	3.29E-09	8.49E-09	6.88E-09	1.54E-08	1.39E-09	1.33E-09	2.73E-09	1.04E-09	6.82E-10	1.72E-09
1193	563550.7	4234600	1.07E-08	9.51E-09	2.02E-08	1.81E-09	1.53E-09	3.33E-09	8.61E-09	6.98E-09	1.56E-08	1.41E-09	1.35E-09	2.76E-09	1.05E-09	6.91E-10	1.74E-09
1194	563554.8	4234610	1.08E-08	9.67E-09	2.05E-08	1.84E-09	1.55E-09	3.39E-09	8.75E-09	7.09E-09	1.58E-08	1.43E-09	1.38E-09	2.81E-09	1.07E-09	7.03E-10	1.77E-09
1195	563559	4234620	1.10E-08	9.80E-09	2.08E-08	1.86E-09	1.57E-09	3.43E-09	8.87E-09	7.19E-09	1.61E-08	1.45E-09	1.39E-09	2.85E-09	1.08E-09	7.12E-10	1.80E-09
1196	563508.7	4234398	7.77E-09	6.94E-09	1.47E-08	1.32E-09	1.11E-09	2.43E-09	6.28E-09	5.09E-09	1.14E-08	1.03E-09	9.86E-10	2.01E-09	7.68E-10	5.04E-10	1.27E-09
1197	563512.8	4234408	7.57E-09	6.75E-09	1.43E-08	1.28E-09	1.08E-09	2.37E-09	6.11E-09	4.95E-09	1.11E-08	1.00E-09	9.60E-10	1.96E-09	7.47E-10	4.90E-10	1.24E-09
1198	563516.9	4234418	7.42E-09	6.62E-09	1.40E-08	1.26E-09	1.06E-09	2.32E-09	5.99E-09	4.85E-09	1.08E-08	9.81E-10	9.41E-10	1.92E-09	7.33E-10	4.81E-10	1.21E-09
1199	563521	4234428	7.31E-09	6.52E-09	1.38E-08	1.24E-09	1.05E-09	2.29E-09	5.91E-09	4.79E-09	1.07E-08	9.67E-10	9.28E-10	1.90E-09	7.22E-10	4.74E-10	1.20E-09
1200	563525.2	4234438	7.25E-09	6.46E-09	1.37E-08	1.23E-09	1.04E-09	2.27E-09	5.85E-09	4.74E-09	1.06E-08	9.58E-10	9.19E-10	1.88E-09	7.16E-10	4.70E-10	1.19E-09
1201	563529.3	4234448	7.22E-09	6.44E-09	1.37E-08	1.23E-09	1.03E-09	2.26E-09	5.83E-09	4.73E-09	1.06E-08	9.55E-10	9.17E-10	1.87E-09	7.13E-10	4.68E-10	1.18E-09
1202	563533.4	4234459	7.27E-09	6.48E-09	1.38E-08	1.23E-09	1.04E-09	2.27E-09	5.87E-09	4.76E-09	1.06E-08	9.61E-10	9.22E-10	1.88E-09	7.18E-10	4.71E-10	1.19E-09
1203	563537.5	4234469	7.44E-09	6.64E-09	1.41E-08	1.26E-09	1.06E-09	2.33E-09	6.01E-09	4.87E-09	1.09E-08	9.84E-10	9.44E-10	1.93E-09	7.35E-10	4.82E-10	1.22E-09
1204	563541.6	4234479	7.63E-09	6.81E-09	1.44E-08	1.30E-09	1.09E-09	2.39E-09	6.16E-09	5.00E-09	1.12E-08	1.01E-09	9.69E-10	1.98E-09	7.54E-10	4.95E-10	1.25E-09
1205	563545.7	4234489	7.82E-09	6.97E-09	1.48E-08	1.33E-09	1.12E-09	2.44E-09	6.31E-09	5.12E-09	1.14E-08	1.03E-09	9.92E-10	2.03E-09	7.72E-10	5.07E-10	1.28E-09
1206	563566.3	4234539	8.86E-09	7.90E-09	1.68E-08	1.50E-09	1.27E-09	2.77E-09	7.15E-09	5.80E-09	1.29E-08	1.17E-09	1.12E-09	2.30E-09	8.75E-10	5.74E-10	1.45E-09
1207	563570.4	4234549	9.06E-09	8.08E-09	1.71E-08	1.54E-09	1.30E-09	2.83E-09	7.31E-09	5.93E-09	1.32E-08	1.20E-09	1.15E-09	2.35E-09	8.94E-10	5.87E-10	1.48E-09
1208	563574.5	4234560	9.25E-09	8.25E-09	1.75E-08	1.57E-09	1.32E-09	2.89E-09	7.47E-09	6.06E-09	1.35E-08	1.22E-09	1.17E-09	2.40E-09	9.14E-10	6.00E-10	1.51E-09
1209	563578.6	4234570	9.44E-09	8.42E-09	1.79E-08	1.60E-09	1.35E-09	2.95E-09	7.63E-09	6.18E-09	1.38E-08	1.25E-09	1.20E-09	2.45E-09	9.33E-10	6.12E-10	1.54E-09
1210	563582.7	4234580	9.62E-09	8.58E-09	1.82E-08	1.63E-09	1.38E-09	3.01E-09	7.77E-09	6.30E-09	1.41E-08	1.27E-09	1.22E-09	2.49E-09	9.50E-10	6.24E-10	1.57E-09
1211	563586.8	4234590	9.78E-09	8.72E-09	1.85E-08	1.66E-09	1.40E-09	3.06E-09	7.89E-09	6.40E-09	1.43E-08	1.29E-09	1.24E-09	2.53E-09	9.65E-10	6.34E-10	1.60E-09
1212	563590.9	4234600	9.89E-09	8.83E-09	1.87E-08	1.68E-09	1.41E-09	3.09E-09	7.99E-09	6.47E-09	1.45E-08	1.31E-09	1.26E-09	2.56E-09	9.77E-10	6.41E-10	1.62E-09
1213	563595.1	4234610	9.99E-09	8.91E-09	1.89E-08	1.69E-09	1.43E-09	3.12E-09	8.06E-09	6.53E-09	1.46E-08	1.32E-09	1.27E-09	2.59E-09	9.86E-10	6.47E-10	1.63E-09
1214	563599.2	4234620	1.01E-08	8.98E-09	1.91E-08	1.71E-09	1.44E-09	3.15E-09	8.13E-09	6.59E-09	1.47E-08	1.33E-09	1.28E-09	2.61E-09	9.95E-10	6.53E-10	1.65E-09
1215	563502.8	4234389	8.09E-09	7.21E-09	1.53E-08	1.37E-09	1.16E-09	2.53E-09	6.53E-09	5.29E-09	1.18E-08	1.07E-09	1.03E-09	2.10E-09	7.99E-10	5.24E-10	1.32E-09
1216	563537.7	4234370	7.17E-09	6.39E-09	1.36E-08	1.22E-09	1.02E-09	2.24E-09	5.79E-09	4.69E-09	1.05E-08	9.48E-10	9.09E-10	1.86E-09	7.08E-10	4.64E-10	1.17E-09
1217	563541.8	4234381	6.95E-09	6.20E-09	1.31E-08	1.18E-09	9.94E-10	2.17E-09	5.61E-09	4.55E-09	1.02E-08	9.19E-10	8.82E-10	1.80E-09	6.86E-10	4.50E-10	1.14E-09
1218	563546	4234391	6.75E-09	6.02E-09	1.28E-08	1.15E-09	9.65E-10	2.11E-09	5.45E-09	4.42E-09	9.87E-09	8.93E-10	8.57E-10	1.75E-09	6.67E-10	4.38E-10	1.10E-09
1219	563550.1	4234401	6.64E-09	5.92E-09	1.26E-08	1.13E-09	9.49E-10	2.07E-09	5.36E-09	4.34E-09	9.70E-09	8.77E-10	8.42E-10	1.72E-09	6.55E-10	4.30E-10	1.09E-09
1220	563554.2	4234411	6.57E-09	5.86E-09	1.24E-08	1.11E-09	9.39E-10	2.05E-09	5.30E-09	4.30E-09	9.60E-09	8.68E-10	8.33E-10	1.70E-09	6.48E-10	4.25E-10	1.07E-09
1221	563558.4	4234421	6.51E-09	5.81E-09	1.23E-08	1.10E-09	9.31E-10	2.04E-09	5.26E-09	4.26E-09	9.52E-09	8.61E-10	8.26E-10	1.69E-09	6.43E-10	4.22E-10	1.06E-09
1222	563562.5	4234431	6.47E-09	5.77E-09	1.22E-08	1.10E-09	9.25E-10	2.02E-09	5.22E-09	4.23E-09	9.46E-09	8.56E-10	8.21E-10	1.68E-09	6.39E-10	4.19E-10	1.06E-09
1223	563566.7	4234442	6.45E-09	5.75E-09	1.22E-08	1.09E-09	9.22E-10	2.02E-09	5.20E-09	4.22E-09	9.42E-09	8.52E-10	8.18E-10	1.67E-09	6.37E-10	4.18E-10	1.05E-09
1224	563570.8	4234452	6.44E-09	5.75E-09	1.22E-08	1.09E-09	9.21E-10	2.01E-09	5.20E-09	4.21E-09	9.41E-09	8.52E-10	8.17E-10	1.67E-09	6.36E-10	4.17E-10	1.05E-09
1225	563574.9	4234462	6.54E-09	5.83E-09	1.24E-08	1.11E-09	9.35E-10	2.04E-09	5.28E-09	4.28E-09	9.56E-09	8.65E-10	8.30E-10	1.69E-09	6.46E-10	4.24E-10	1.07E-09
1226	563579.1	4234472	6.72E-09	5.99E-09	1.27E-08	1.14E-09	9.61E-10	2.10E-09	5.43E-09	4.40E-09	9.82E-09	8.89E-10	8.53E-10	1.74E-09	6.64E-10	4.35E-10	1.10E-09
1227	563583.2	4234482	6.88E-09	6.14E-09	1.30E-08	1.17E-09	9.84E-10	2.15E-09	5.56E-09	4.50E-09	1.01E-08	9.10E-10	8.73E-10	1.78E-09	6.79E-10	4.46E-10	1.13E-09
1228	563603.9	4234533	7.97E-09	7.11E-09	1.51E-08	1.35E-09	1.14E-09	2.49E-09	6.43E-09	5.21E-09	1.16E-08	1.05E-09	1.01E-09	2.06E-09	7.87E-10	5.16E-10	1.30E-09
1229	563608	4234543	8.15E-09	7.27E-09	1.54E-08	1.38E-09	1.17E-09	2.55E-09	6.58E-09	5.34E-09	1.19E-08	1.08E-09	1.03E-09	2.11E-09	8.05E-10	5.29E-10	1.33E-09
1230	563612.2	4234553	8.33E-09	7.43E-09	1.58E-08	1.41E-09	1.19E-09	2.60E-09	6.72E-09	5.45E-09	1.22E-08	1.10E-09	1.06E-09	2.16E-09	8.22E-10	5.40E-10	1.36E-09
1231	563616.3	4234564	8.48E-09	7.57E-09	1.61E-08	1.44E-09	1.21E-09	2.65E-09	6.85E-09	5.55E-09	1.24E-08	1.12E-09	1.08E-09	2.20E-09	8.38E-10	5.50E-10	1.39E-09
1232	563620.5	4234574	8.62E-09	7.69E-09	1.63E-08	1.46E-09	1.23E-09	2.70E-09	6.96E-09	5.64E-09	1.26E-08	1.14E-09	1.09E-09	2.23E-09	8.51E-10	5.59E-10	1.41E-09
1233	563624.6	4234584	8.73E-09	7.79E-09	1.65E-08	1.48E-09	1.25E-09	2.73E-09	7.05E-09	5.72E-09	1.28E-08	1.16E-09	1.11E-09	2.26E-09	8.63E-10	5.66E-10	1.43E-09
1234	563628.7	4234594	8.83E-09	7.88E-09	1.67E-08	1.50E-09	1.26E-09	2.76E-09	7.13E-09	5.78E-09	1.29E-08	1.17E-09	1.12E-09	2.29E-09	8.72E-10	5.72E-10	1.44E-09
1235	563632.9	4234604	8.91E-09	7.95E-09	1.69E-08	1.51E-09	1.27E-09	2.79E-09	7.19E-09	5.83E-09	1.30E-08	1.18E-09	1.13E-09	2.31E-09	8.80E-10	5.77E-10	1.46E-09
1236	563637	4234614	8.96E-09	7.99E-09	1.70E-08	1.52E-09	1.28E-09	2.80E-09	7.24E-09	5.86E-09	1.31E-08	1.19E-09	1.14E-09	2.32E-09	8.85E-10	5.81E-10	1.47E-09
1237	563641.2	4234625	8.98E-09	8.01E-09	1.70E-08	1.52E-09	1.28E-09	2.81E-09	7.25E-09	5.87E-09	1.31E-08	1.19E-09	1.14E-09	2.33E-09	8.87E-10	5.82E-10	1.47E-09
1238	563531.8	4234361	7.37E-09	6.57E-09	1.39E-08	1.25E-09	1.05E-09	2.30E-09	5.95E-09	4.82E-09	1.08E-08	9.74E-10	9.35E-10	1.91E-09	7.28E-10	4.77E-10	1.21E-09
1239	563566.7	4234343	6.65E-09	5.93E-09	1.26E-08	1.13E-09	9.51E-10	2.08E-09	5.37E-09	4.35E-09	9.72E-09	8.80E-10	8.44E-10	1.72E-09	6.57E-10	4.31E-10	1.09E-09
1240	563570.8	4234353	6.45E-09	5.75E-09	1.22E-08	1.09E-09	9.22E-10	2.02E-09	5.21E-09	4.22E-09	9.43E-09	8.53E-10	8.18E-10	1.67E-09	6.37E-10	4.18E-10	1.05E-09
1241	563575	4234363	6.27E-09	5.59E-09	1.19E-08	1.06E-09	8.97E-10	1.96E-09	5.06E-09	4.10E-09	9.17E-09	8.29E-10	7.96E-10	1.62E-09	6.19E-10	4.06E-10	1.03E-09
1242	563579.1	4234374	6.12E-09	5.46E-09	1.16E-08	1.04E-09	8.75E-10	1.91E-09	4.94E-09	4.00E-09	8.95E-09	8.09E-10	7.76E-10	1.59E-09	6.04E-10	3.97E-10	1.00E-09
1243	563583.3	4234384	6.00E-09	5.35E-09	1.14E-08	1.02E-09	8.58E-10	1.88E-09	4.84E-09	3.93E-09	8.77E-09	7.93E-10	7.61E-10	1.55E-09	5.92E-10	3.89E-10	9.81E-10
1244	563587.5	4234394	5.91E-09	5.27E-09	1.12E-08	1.00E-09	8.45E-10	1.85E-09	4.77E-09	3.87E-09	8.64E-09	7.82E-10	7.50E-10	1.53E-09	5.84E-10	3.83E-10	9.67E-10
1245	563591.6	4234404	5.87E-09	5.23E-09	1.11E-08	9.96E-10	8.39E-10	1.83E-09	4.74E-09	3.84E-09	8.58E-09	7.76E-10	7.45E-10	1.52E-09	5.79E-10	3.80E-10	9.60E-10
1246	563595.8	4234414	5.86E-09	5.23E-09	1.11E-08	9.95E-10	8.38E-10	1.83E-09	4.73E-09	3.84E-09	8.57E-09	7.75E-10	7.44E-10	1.52E-09	5.79E-10	3.80E-10	9.59E-10
1247	563600	4234425	5.89E-09	5.25E-09	1.11E-08	9.99E-10	8.42E-10	1.84E-09	4.75E-09	3.85E-09	8.61E-09	7.79E-10	7.47E-10	1.53E-09	5.81E-10	3.82E-10	9.63E-10
1248	563604.1	4234435	5.94E-09	5.30E-09	1.12E-08	1.01E-09	8.50E-10	1.86E-09	4.80E-09	3.89E-09	8.69E-09	7.86E-10	7.54E-10	1.54E-09	5.87E-10	3.85E-10	9.72E-10
1249	563608.3	4234445	5.99E-09	5.35E-09	1.13E-08	1.02E-09	8.57E-10	1.87E-09	4.84E-09	3.92E-09	8.76E-09	7.93E-10	7.61E-10	1.55E-09	5.92E-10	3.88E-10	9.80E-10
1250	563612.4	4234455	6.05E-09	5.39E-09	1.14E-08	1.03E-09	8.65E-10	1.89E-09	4.88E-09	3.96E-09	8.84E-09	8.00E-10	7.67E-10	1.57E-09	5.97E-10	3.92E-10	9.89E-10
1251	563616.6	4234465	6.14E-09	5.48E-09	1.16E-08	1.04E-09	8.78E-10	1.92E-09	4.96E-09	4.02E-09	8.97E-09	8.12E-10	7.79E-10	1.59E-09	6.06E-10	3.98E-10	1.00E-09
1252	563620.8	4234476	6.27E-09	5.59E-09	1.19E-08	1.06E-09	8.96E-10	1.96E-09	5.06E-09	4.10E-09	9.16E-09	8.29E-10	7.95E-10	1.62E-09	6.19E-10	4.06E-10	1.02E-09
1253	563624.9	4234486	6.42E-09	5.73E-09	1.21E-08	1.09E-09	9.18E-10	2.01E-09	5.18E-09	4.20E-09	9.38E-09	8.49E-10	8.15E-10	1.66E-09	6.34E-10	4.16E-10	1.05E-09
1254	563645.7	4234537	7.41E-09	6.61E-09	1.40E-08	1.26E-09	1.06E-09	2.32E-09	5.99E-09	4.85E-09	1.08E-08	9.80E-10	9.41E-10	1.92E-09	7.32E-10	4.81E-10	1.21E-09
1255	563649.9	4234547	7.56E-09	6.75E-09	1.43E-08	1.28E-09	1.08E-09	2.36E-09	6.11E-09	4.95E-09	1.11E-08	1.00E-09	9.60E-10	1.96E-09	7.47E-10	4.90E-10	1.24E-09
1256	563654	4234557	7.70E-09	6.87E-09	1.46E-08	1.31E-09	1.10E-09	2.41E-09	6.22E-09	5.04E-09	1.13E-08	1.02E-09	9.77E-10	2.00E-09	7.61E-10	4.99E-10	1.26E-09
1257	563658.2	4234568	7.83E-09	6.99E-09	1.48E-08	1.33E-09	1.12E-09	2.45E-09	6.32E-09	5.12E-09	1.14E-08	1.04E-09	9.94E-10	2.03E-09	7.73E-10	5.08E-10	1.28E-09
1258	563662.4	4234578	7.95E-09	7.09E-09	1.50E-08	1.35E-09	1.14E-09	2.48E-09	6.42E-09	5.20E-09	1.16E-08	1.05E-09	1.01E-09	2.06E-09	7.85E-10	5.15E-10	1.30E-09
1259	563666.5	4234588	8.02E-09	7.16E-09	1.52E-08	1.36E-09	1.15E-09	2.51E-09	6.48E-09	5.25E-09	1.17E-08	1.06E-09	1.02E-09	2.08E-09	7.92E-10	5.20E-10	1.31E-09
1260	563670.7	4234598	8.07E-09	7.20E-09	1.53E-08	1.37E-09	1.15E-09	2.52E-09	6.51E-09	5.28E-09	1.18E-08	1.07E-09	1.02E-09	2.09E-09	7.97E-10	5.23E-10	1.32E-09
1261	563674.9	4234609	8.08E-09	7.21E-09	1.53E-08	1.37E-09	1.16E-09	2.53E-09	6.53E-09	5.29E-09	1.18E-08	1.07E-09	1.03E-09	2.09E-09	7.98E-10	5.24E-10	1.32E-09
1262	563679	4234619	8.09E-09	7.22E-09	1.53E-08	1.37E-09	1.16E-09	2.53E-09	6.53E-09	5.29E-09	1.18E-08	1.07E-09	1.03E-09	2.10E-09	7.99E-10	5.24E-10	1.32E-09
1263	563560.7	4234334	6.90E-09	6.15E-09	1.30E-08	1.17E-09	9.86E-10	2.16E-09	5.57E-09	4.51E-09	1.01E-08	9.12E-10	8.75E-10	1.79E-09	6.81E-10	4.47E-10	1.13E-09
1264	563595.6	4234315	5.90E-09	5.27E-09	1.12E-08	1.00E-09	8.44E-10	1.85E-09	4.77E-09	3.86E-09	8.63E-09	7.81E-10	7.49E-10	1.53E-09	5.83E-10	3.83E-10	9.65E-10
1265	563599.8	4234326	5.72E-09	5.10E-09	1.08E-08	9.70E-10	8.18E-10	1.79E-09	4.62E-09	3.74E-09	8.36E-09	7.56E-10	7.26E-10	1.48E-09	5.65E-10	3.71E-10	9.35E-10
1266	563604	4234336	5.56E-09	4.96E-09	1.05E-08	9.43E-10	7.95E-10	1.74E-09	4.49E-09	3.64E-09	8.13E-09	7.35E-10	7.05E-10	1.44E-09	5.49E-10	3.60E-10	9.09E-10
1267	563608.2	4234346	5.42E-09	4.83E-09	1.03E-08	9.19E-10	7.75E-10	1.69E-09	4.37E-09	3.55E-09	7.92E-09	7.16E-10	6.87E-10	1.40E-09	5.35E-10	3.51E-10	8.86E-10
1268	563612.4	4234356	5.30E-09	4.73E-09	1.00E-08	8.99E-10	7.58E-10	1.66E-09	4.28E-09	3.47E-09	7.75E-09	7.01E-10	6.72E-10	1.37E-09	5.23E-10	3.43E-10	8.67E-10
1269	563616.5	4234367	5.21E-09	4.64E-09	9.85E-09	8.83E-10	7.45E-10	1.63E-09	4.20E-09	3.41E-09	7.61E-09	6.88E-10	6.61E-10	1.35E-09	5.14E-10	3.37E-10	8.52E-10
1270	563620.7	4234377	5.15E-09	4.60E-09	9.75E-09	8.75E-10	7.37E-10	1.61E-09	4.16E-09	3.37E-09	7.54E-09	6.82E-10	6.54E-10	1.34E-09	5.09E-10	3.34E-10	8.43E-10

1271	563624.9	4234387	5.13E-09	4.58E-09	9.71E-09	8.71E-10	7.34E-10	1.61E-09	4.15E-09	3.36E-09	7.50E-09	6.79E-10	6.51E-10	1.33E-09	5.07E-10	3.33E-10	8.40E-10
1272	563629.1	4234397	5.14E-09	4.59E-09	9.73E-09	8.73E-10	7.36E-10	1.61E-09	4.15E-09	3.37E-09	7.52E-09	6.80E-10	6.53E-10	1.33E-09	5.08E-10	3.33E-10	8.41E-10
1273	563633.3	4234408	5.20E-09	4.63E-09	9.83E-09	8.82E-10	7.43E-10	1.62E-09	4.19E-09	3.40E-09	7.59E-09	6.87E-10	6.59E-10	1.35E-09	5.13E-10	3.37E-10	8.50E-10
1274	563637.4	4234418	5.27E-09	4.70E-09	9.97E-09	8.94E-10	7.53E-10	1.65E-09	4.25E-09	3.45E-09	7.70E-09	6.97E-10	6.68E-10	1.37E-09	5.20E-10	3.41E-10	8.62E-10
1275	563641.6	4234428	5.36E-09	4.78E-09	1.01E-08	9.10E-10	7.67E-10	1.68E-09	4.33E-09	3.51E-09	7.84E-09	7.09E-10	6.81E-10	1.39E-09	5.30E-10	3.48E-10	8.77E-10
1276	563645.8	4234438	5.48E-09	4.89E-09	1.04E-08	9.30E-10	7.83E-10	1.71E-09	4.42E-09	3.58E-09	8.01E-09	7.24E-10	6.95E-10	1.42E-09	5.41E-10	3.55E-10	8.96E-10
1277	563650	4234449	5.61E-09	5.00E-09	1.06E-08	9.51E-10	8.02E-10	1.75E-09	4.53E-09	3.67E-09	8.20E-09	7.42E-10	7.12E-10	1.45E-09	5.54E-10	3.63E-10	9.17E-10
1278	563654.2	4234459	5.75E-09	5.13E-09	1.09E-08	9.75E-10	8.22E-10	1.80E-09	4.64E-09	3.76E-09	8.40E-09	7.60E-10	7.29E-10	1.49E-09	5.68E-10	3.73E-10	9.40E-10
1279	563658.3	4234469	5.88E-09	5.24E-09	1.11E-08	9.97E-10	8.41E-10	1.84E-09	4.75E-09	3.85E-09	8.59E-09	7.77E-10	7.46E-10	1.52E-09	5.81E-10	3.81E-10	9.62E-10
1280	563662.5	4234480	5.99E-09	5.35E-09	1.13E-08	1.02E-09	8.57E-10	1.87E-09	4.84E-09	3.92E-09	8.76E-09	7.92E-10	7.60E-10	1.55E-09	5.92E-10	3.88E-10	9.80E-10
1281	563687.6	4234541	6.92E-09	6.17E-09	1.31E-08	1.17E-09	9.89E-10	2.16E-09	5.59E-09	4.53E-09	1.01E-08	9.15E-10	8.78E-10	1.79E-09	6.83E-10	4.48E-10	1.13E-09
1282	563691.8	4234551	7.04E-09	6.28E-09	1.33E-08	1.19E-09	1.01E-09	2.20E-09	5.68E-09	4.61E-09	1.03E-08	9.31E-10	8.93E-10	1.82E-09	6.95E-10	4.56E-10	1.15E-09
1283	563696	4234562	7.15E-09	6.38E-09	1.35E-08	1.21E-09	1.02E-09	2.23E-09	5.77E-09	4.68E-09	1.04E-08	9.45E-10	9.07E-10	1.85E-09	7.06E-10	4.63E-10	1.17E-09
1284	563700.1	4234572	7.24E-09	6.46E-09	1.37E-08	1.23E-09	1.04E-09	2.26E-09	5.84E-09	4.74E-09	1.06E-08	9.57E-10	9.19E-10	1.88E-09	7.15E-10	4.69E-10	1.18E-09
1285	563704.3	4234582	7.30E-09	6.51E-09	1.38E-08	1.24E-09	1.04E-09	2.28E-09	5.90E-09	4.78E-09	1.07E-08	9.66E-10	9.27E-10	1.89E-09	7.21E-10	4.73E-10	1.19E-09
1286	563708.5	4234592	7.32E-09	6.53E-09	1.39E-08	1.24E-09	1.05E-09	2.29E-09	5.91E-09	4.79E-09	1.07E-08	9.68E-10	9.29E-10	1.90E-09	7.23E-10	4.75E-10	1.20E-09
1287	563712.7	4234603	7.29E-09	6.51E-09	1.38E-08	1.24E-09	1.04E-09	2.28E-09	5.89E-09	4.77E-09	1.07E-08	9.65E-10	9.26E-10	1.89E-09	7.20E-10	4.73E-10	1.19E-09
1288	563589.7	4234306	6.13E-09	5.47E-09	1.16E-08	1.04E-09	8.77E-10	1.92E-09	4.95E-09	4.01E-09	8.96E-09	8.11E-10	7.78E-10	1.59E-09	6.05E-10	3.97E-10	1.00E-09
1289	563624.6	4234288	5.27E-09	4.70E-09	9.97E-09	8.94E-10	7.54E-10	1.65E-09	4.26E-09	3.45E-09	7.70E-09	6.97E-10	6.69E-10	1.37E-09	5.21E-10	3.42E-10	8.62E-10
1290	563628.7	4234298	5.11E-09	4.56E-09	9.68E-09	8.68E-10	7.31E-10	1.60E-09	4.13E-09	3.35E-09	7.48E-09	6.76E-10	6.49E-10	1.33E-09	5.05E-10	3.31E-10	8.36E-10
1291	563632.8	4234308	4.97E-09	4.44E-09	9.41E-09	8.44E-10	7.11E-10	1.56E-09	4.02E-09	3.26E-09	7.27E-09	6.58E-10	6.31E-10	1.29E-09	4.91E-10	3.22E-10	8.14E-10
1292	563637	4234318	4.85E-09	4.33E-09	9.18E-09	8.23E-10	6.94E-10	1.52E-09	3.92E-09	3.17E-09	7.09E-09	6.41E-10	6.15E-10	1.26E-09	4.79E-10	3.14E-10	7.93E-10
1293	563641.1	4234328	4.74E-09	4.23E-09	8.97E-09	8.05E-10	6.78E-10	1.48E-09	3.83E-09	3.10E-09	6.93E-09	6.27E-10	6.02E-10	1.23E-09	4.68E-10	3.07E-10	7.76E-10
1294	563645.3	4234338	4.66E-09	4.15E-09	8.81E-09	7.90E-10	6.66E-10	1.46E-09	3.76E-09	3.05E-09	6.81E-09	6.16E-10	5.91E-10	1.21E-09	4.60E-10	3.02E-10	7.62E-10
1295	563649.4	4234349	4.59E-09	4.09E-09	8.68E-09	7.78E-10	6.56E-10	1.43E-09	3.70E-09	3.00E-09	6.70E-09	6.07E-10	5.82E-10	1.19E-09	4.53E-10	2.97E-10	7.50E-10
1296	563653.5	4234359	4.54E-09	4.05E-09	8.59E-09	7.71E-10	6.50E-10	1.42E-09	3.67E-09	2.97E-09	6.64E-09	6.01E-10	5.76E-10	1.18E-09	4.49E-10	2.94E-10	7.43E-10
1297	563657.7	4234369	4.53E-09	4.04E-09	8.56E-09	7.68E-10	6.47E-10	1.41E-09	3.65E-09	2.96E-09	6.62E-09	5.98E-10	5.74E-10	1.17E-09	4.47E-10	2.93E-10	7.40E-10
1298	563661.8	4234379	4.54E-09	4.05E-09	8.58E-09	7.70E-10	6.49E-10	1.42E-09	3.66E-09	2.97E-09	6.63E-09	6.00E-10	5.76E-10	1.18E-09	4.48E-10	2.94E-10	7.42E-10
1299	563666	4234389	4.57E-09	4.08E-09	8.64E-09	7.75E-10	6.53E-10	1.43E-09	3.69E-09	2.99E-09	6.68E-09	6.04E-10	5.80E-10	1.18E-09	4.51E-10	2.96E-10	7.47E-10
1300	563670.1	4234399	4.63E-09	4.13E-09	8.76E-09	7.86E-10	6.62E-10	1.45E-09	3.74E-09	3.03E-09	6.77E-09	6.12E-10	5.87E-10	1.20E-09	4.57E-10	3.00E-10	7.57E-10
1301	563674.2	4234410	4.73E-09	4.22E-09	8.94E-09	8.02E-10	6.76E-10	1.48E-09	3.82E-09	3.09E-09	6.91E-09	6.25E-10	6.00E-10	1.22E-09	4.67E-10	3.06E-10	7.73E-10
1302	563678.4	4234420	4.84E-09	4.32E-09	9.16E-09	8.21E-10	6.92E-10	1.51E-09	3.91E-09	3.17E-09	7.07E-09	6.40E-10	6.14E-10	1.25E-09	4.78E-10	3.14E-10	7.92E-10
1303	563682.5	4234430	4.97E-09	4.43E-09	9.40E-09	8.43E-10	7.10E-10	1.55E-09	4.01E-09	3.25E-09	7.26E-09	6.57E-10	6.30E-10	1.29E-09	4.90E-10	3.22E-10	8.12E-10
1304	563686.7	4234440	5.10E-09	4.55E-09	9.65E-09	8.66E-10	7.30E-10	1.60E-09	4.12E-09	3.34E-09	7.46E-09	6.75E-10	6.47E-10	1.32E-09	5.04E-10	3.31E-10	8.35E-10
1305	563690.8	4234450	5.25E-09	4.68E-09	9.93E-09	8.90E-10	7.50E-10	1.64E-09	4.24E-09	3.43E-09	7.67E-09	6.94E-10	6.66E-10	1.36E-09	5.18E-10	3.40E-10	8.58E-10
1306	563694.9	4234460	5.40E-09	4.81E-09	1.02E-08	9.15E-10	7.72E-10	1.69E-09	4.36E-09	3.53E-09	7.89E-09	7.13E-10	6.85E-10	1.40E-09	5.33E-10	3.50E-10	8.82E-10
1307	563699.1	4234471	5.54E-09	4.95E-09	1.05E-08	9.41E-10	7.93E-10	1.73E-09	4.48E-09	3.63E-09	8.10E-09	7.33E-10	7.03E-10	1.44E-09	5.48E-10	3.59E-10	9.07E-10
1308	563703.2	4234481	5.69E-09	5.08E-09	1.08E-08	9.66E-10	8.14E-10	1.78E-09	4.59E-09	3.72E-09	8.32E-09	7.53E-10	7.22E-10	1.47E-09	5.62E-10	3.69E-10	9.31E-10
1309	563618.7	4234279	5.49E-09	4.90E-09	1.04E-08	9.31E-10	7.85E-10	1.72E-09	4.43E-09	3.59E-09	8.02E-09	7.26E-10	6.96E-10	1.42E-09	5.42E-10	3.56E-10	8.98E-10
1310	563653.5	4234260	4.70E-09	4.19E-09	8.89E-09	7.98E-10	6.72E-10	1.47E-09	3.80E-09	3.08E-09	6.87E-09	6.22E-10	5.96E-10	1.22E-09	4.64E-10	3.05E-10	7.69E-10
1311	563657.7	4234270	4.55E-09	4.06E-09	8.61E-09	7.72E-10	6.51E-10	1.42E-09	3.67E-09	2.98E-09	6.65E-09	6.02E-10	5.77E-10	1.18E-09	4.49E-10	2.95E-10	7.44E-10
1312	563661.9	4234281	4.41E-09	3.94E-09	8.35E-09	7.49E-10	6.31E-10	1.38E-09	3.56E-09	2.89E-09	6.45E-09	5.84E-10	5.60E-10	1.14E-09	4.36E-10	2.86E-10	7.22E-10
1313	563666	4234291	4.30E-09	3.83E-09	8.13E-09	7.29E-10	6.14E-10	1.34E-09	3.47E-09	2.81E-09	6.28E-09	5.68E-10	5.45E-10	1.11E-09	4.24E-10	2.78E-10	7.03E-10
1314	563670.2	4234301	4.20E-09	3.74E-09	7.94E-09	7.12E-10	6.00E-10	1.31E-09	3.39E-09	2.75E-09	6.13E-09	5.55E-10	5.32E-10	1.09E-09	4.14E-10	2.72E-10	6.86E-10
1315	563674.3	4234311	4.11E-09	3.67E-09	7.78E-09	6.98E-10	5.88E-10	1.29E-09	3.32E-09	2.69E-09	6.01E-09	5.44E-10	5.22E-10	1.07E-09	4.06E-10	2.67E-10	6.73E-10
1316	563678.5	4234321	4.04E-09	3.60E-09	7.64E-09	6.85E-10	5.77E-10	1.26E-09	3.26E-09	2.64E-09	5.90E-09	5.34E-10	5.12E-10	1.05E-09	3.99E-10	2.62E-10	6.60E-10
1317	563682.6	4234332	3.97E-09	3.54E-09	7.52E-09	6.74E-10	5.68E-10	1.24E-09	3.21E-09	2.60E-09	5.81E-09	5.26E-10	5.04E-10	1.03E-09	3.92E-10	2.58E-10	6.50E-10
1318	563686.8	4234342	3.93E-09	3.51E-09	7.44E-09	6.67E-10	5.62E-10	1.23E-09	3.18E-09	2.57E-09	5.75E-09	5.20E-10	4.99E-10	1.02E-09	3.88E-10	2.55E-10	6.43E-10
1319	563690.9	4234352	3.92E-09	3.49E-09	7.41E-09	6.65E-10	5.60E-10	1.22E-09	3.16E-09	2.56E-09	5.73E-09	5.18E-10	4.97E-10	1.02E-09	3.87E-10	2.54E-10	6.41E-10
1320	563695.1	4234362	3.92E-09	3.50E-09	7.43E-09	6.66E-10	5.61E-10	1.23E-09	3.17E-09	2.57E-09	5.74E-09	5.19E-10	4.98E-10	1.02E-09	3.88E-10	2.54E-10	6.42E-10
1321	563647.6	4234251	4.90E-09	4.37E-09	9.28E-09	8.32E-10	7.01E-10	1.53E-09	3.96E-09	3.21E-09	7.17E-09	6.48E-10	6.22E-10	1.27E-09	4.84E-10	3.18E-10	8.02E-10
1322	563682.5	4234233	4.19E-09	3.74E-09	7.93E-09	7.11E-10	6.00E-10	1.31E-09	3.38E-09	2.74E-09	6.13E-09	5.54E-10	5.32E-10	1.09E-09	4.14E-10	2.72E-10	6.86E-10
1323	563686.7	4234243	4.06E-09	3.62E-09	7.67E-09	6.88E-10	5.80E-10	1.27E-09	3.27E-09	2.65E-09	5.93E-09	5.36E-10	5.15E-10	1.05E-09	4.01E-10	2.63E-10	6.63E-10
1324	563782.6	4234478	4.78E-09	4.26E-09	9.04E-09	8.10E-10	6.83E-10	1.49E-09	3.86E-09	3.13E-09	6.98E-09	6.32E-10	6.06E-10	1.24E-09	4.72E-10	3.10E-10	7.81E-10
1325	563786.8	4234489	4.89E-09	4.36E-09	9.25E-09	8.29E-10	6.99E-10	1.53E-09	3.95E-09	3.20E-09	7.15E-09	6.46E-10	6.20E-10	1.27E-09	4.83E-10	3.17E-10	8.00E-10
1326	563791	4234499	5.00E-09	4.46E-09	9.46E-09	8.48E-10	7.15E-10	1.56E-09	4.04E-09	3.27E-09	7.31E-09	6.61E-10	6.34E-10	1.30E-09	4.94E-10	3.24E-10	8.18E-10
1327	563795.2	4234509	5.10E-09	4.55E-09	9.65E-09	8.66E-10	7.29E-10	1.59E-09	4.12E-09	3.34E-09	7.46E-09	6.75E-10	6.47E-10	1.32E-09	5.04E-10	3.31E-10	8.34E-10
1328	563799.3	4234519	5.19E-09	4.63E-09	9.82E-09	8.81E-10	7.42E-10	1.62E-09	4.19E-09	3.40E-09	7.59E-09	6.86E-10	6.59E-10	1.34E-09	5.13E-10	3.36E-10	8.49E-10
1329	563803.5	4234530	5.27E-09	4.70E-09	9.96E-09	8.94E-10	7.53E-10	1.65E-09	4.25E-09	3.45E-09	7.70E-09	6.96E-10	6.68E-10	1.36E-09	5.20E-10	3.41E-10	8.61E-10
1330	563807.7	4234540	5.34E-09	4.77E-09	1.01E-08	9.07E-10	7.64E-10	1.67E-09	4.31E-09	3.50E-09	7.81E-09	7.07E-10	6.78E-10	1.38E-09	5.28E-10	3.46E-10	8.74E-10
1331	563811.9	4234550	5.41E-09	4.82E-09	1.02E-08	9.18E-10	7.73E-10	1.69E-09	4.37E-09	3.54E-09	7.90E-09	7.15E-10	6.86E-10	1.40E-09	5.34E-10	3.50E-10	8.84E-10
1332	563816	4234560	5.44E-09	4.85E-09	1.03E-08	9.22E-10	7.77E-10	1.70E-09	4.39E-09	3.56E-09	7.95E-09	7.19E-10	6.90E-10	1.41E-09	5.37E-10	3.52E-10	8.89E-10
1333	563820.2	4234571	5.46E-09	4.87E-09	1.03E-08	9.26E-10	7.80E-10	1.71E-09	4.40E-09	3.57E-09	7.98E-09	7.21E-10	6.92E-10	1.41E-09	5.39E-10	3.54E-10	8.92E-10
1334	563676.6	4234223	4.38E-09	3.90E-09	8.28E-09	7.42E-10	6.26E-10	1.37E-09	3.53E-09	2.86E-09	6.40E-09	5.79E-10	5.55E-10	1.13E-09	4.32E-10	2.84E-10	7.16E-10
1335	563757.5	4234318	2.55E-09	2.28E-09	4.83E-09	4.33E-10	3.65E-10	7.98E-10	2.06E-09	1.67E-09	3.73E-09	3.38E-10	3.24E-10	6.62E-10	2.52E-10	1.65E-10	4.18E-10
1336	563761.7	4234328	2.47E-09	2.21E-09	4.68E-09	4.20E-10	3.54E-10	7.74E-10	2.00E-09	1.62E-09	3.62E-09	3.27E-10	3.14E-10	6.41E-10	2.44E-10	1.60E-10	4.05E-10
1337	563765.9	4234339	2.40E-09	2.14E-09	4.54E-09	4.07E-10	3.43E-10	7.50E-10	1.94E-09	1.57E-09	3.51E-09	3.17E-10	3.04E-10	6.21E-10	2.37E-10	1.55E-10	3.92E-10
1338	563770.1	4234349	2.38E-09	2.12E-09	4.50E-09	4.04E-10	3.40E-10	7.44E-10	1.92E-09	1.56E-09	3.48E-09	3.15E-10	3.02E-10	6.17E-10	2.35E-10	1.54E-10	3.89E-10
1339	563774.3	4234359	2.39E-09	2.13E-09	4.52E-09	4.06E-10	3.42E-10	7.47E-10	1.93E-09	1.56E-09	3.49E-09	3.16E-10	3.03E-10	6.19E-10	2.36E-10	1.55E-10	3.91E-10
1340	563778.5	4234369	2.43E-09	2.17E-09	4.60E-09	4.12E-10	3.47E-10	7.59E-10	1.96E-09	1.59E-09	3.55E-09	3.21E-10	3.08E-10	6.29E-10	2.40E-10	1.57E-10	3.97E-10
1341	563782.6	4234380	2.49E-09	2.22E-09	4.71E-09	4.23E-10	3.56E-10	7.79E-10	2.01E-09	1.63E-09	3.64E-09	3.30E-10	3.16E-10	6.46E-10	2.46E-10	1.61E-10	4.08E-10
1342	563786.8	4234390	2.56E-09	2.28E-09	4.84E-09	4.34E-10	3.66E-10	8.01E-10	2.07E-09	1.68E-09	3.74E-09	3.39E-10	3.25E-10	6.63E-10	2.53E-10	1.66E-10	4.19E-10
1343	563791	4234400	2.67E-09	2.38E-09	5.05E-09	4.53E-10	3.81E-10	8.34E-10	2.15E-09	1.75E-09	3.90E-09	3.53E-10	3.38E-10	6.91E-10	2.63E-10	1.73E-10	4.36E-10
1344	563795.2	4234411	2.82E-09	2.51E-09	5.33E-09	4.78E-10	4.03E-10	8.82E-10	2.28E-09	1.84E-09	4.12E-09	3.73E-10	3.58E-10	7.31E-10	2.78E-10	1.83E-10	4.61E-10
1345	563799.4	4234421	2.98E-09	2.66E-09	5.64E-09	5.05E-10	4.26E-10	9.31E-10	2.41E-09	1.95E-09	4.35E-09	3.94E-10	3.78E-10	7.72E-10	2.94E-10	1.93E-10	4.87E-10
1346	563803.6	4234431	3.15E-09	2.81E-09	5.97E-09	5.35E-10	4.51E-10	9.86E-10	2.55E-09	2.06E-09	4.61E-09	4.17E-10	4.00E-10	8.17E-10	3.12E-10	2.04E-10	5.16E-10
1347	563807.8	4234441	3.38E-09	3.02E-09	6.40E-09	5.74E-10	4.84E-10	1.06E-09	2.73E-09	2.21E-09	4.95E-09	4.47E-10	4.29E-10	8.77E-10	3.34E-10	2.19E-10	5.53E-10
1348	563811.9	4234452	3.66E-09	3.27E-09	6.93E-09	6.21E-10	5.23E-10	1.14E-09	2.96E-09	2.40E-09	5.35E-09	4.84E-10	4.64E-10	9.49E-10	3.62E-10	2.37E-10	5.99E-10
1349	563816.1	4234462	3.82E-09	3.41E-09	7.23E-09	6.48E-10	5.46E-10	1.19E-09	3.08E-09	2.50E-09	5.58E-09	5.05E-10	4.85E-10	9.90E-10	3.77E-10	2.48E-10	6.25E-10
1350	563820.3	4234472	3.92E-09	3.50E-09	7.42E-09	6.65E-10	5.61E-10	1.23E-09	3.16E-09	2.56E-09	5.73E-09	5.18E-10	4.97E-10	1.02E-09	3.87E-10	2.54E-10	6.41E-10
1351	563824.5	4234483	4.09E-09	3.65E-09	7.73E-09	6.93E-10	5.84E-10	1.28E-09	3.30E-09	2.67E-09	5.97E-09	5.40E-10	5.19E-10	1.06E-09	4.04E-10	2.65E-10	6.68E-10
1352	563828.7	4234493	4.23E-09	3.78E-09	8.01E-09	7.19E-10	6.06E-10	1.32E-09	3.42E-09	2.77E-09	6.19E-09	5.60E-10	5.37E-10	1.10E-09	4.18E-10	2.74E-10	6.93E-10
1353	563832.9	4234503	4.34E-09	3.87E-09	8.21E-09	7.36E-10	6.21E-10	1.36E-09	3.50E-09	2.84E-09	6.34E-09	5.74E-10	5.51E-10	1.12E-09	4.29E-10	2.81E-10	7.10E-10
1354	563837.1	4234513	4.44E-09	3.96E-09	8.40E-09	7.53E-10	6.35E-10	1.39E-09	3.58E-09	2.90E-09	6.49E-09	5.87E-10	5.63E-10	1.15E-09	4.38E-10	2.88E-10	7.26E-10
1355	563841.2	4234524	4.53E-09	4.04E-09	8.57E-09	7.69E-10	6.48E-10	1.42E-09	3.66E-09	2.97E-09	6.62E-09	5.99E-10	5.75E-10	1.17E-09	4.47E-10	2.94E-10	7.41E-10
1356	563845.4	4234534	4.81E-09	4.29E-09	9.10E-09	8.16E-10	6.88E-10	1.50E-09	3.88E-09	3.15E-09	7.03E-09	6.36E-10	6.10E-10	1.25E-09	4.75E-10	3.12E-10	7.87E-10
1357	563849.6	4234544	4.87E-09	4.34E-09	9.21E-09	8.26E-10	6.96E-10	1.52E-09	3.93E-09	3.19E-09	7.12E-09	6.44E-10	6.18E-10	1.26E-09	4.81E-10	3.16E-10	7.96E-10
1358	563853.8	4234554	4.92E-09	4.39E-09	9.30E-09	8.34E-10	7.03E-10	1.54E-09	3.97E-09	3.22E-09	7.19E-09	6.50E-10	6.24E-10	1.27E-09	4.86E-10	3.19E-10	8.04E-10
1359	563858	4234565	4.95E-09	4.42E-09	9.37E-09	8.41E-10	7.08E-10	1.55E-09	4.00E-09	3.24E-09	7.24E-09	6.55E-10	6.29E-10	1.28E-09	4.89E-10	3.21E-10	8.10E-10
1360	563862.2	4234575	4.98E-09	4.44E-09	9.42E-09	8.45E-10	7.12E-10	1.56E-09	4.02E-09	3.26E-09	7.28E-09	6.58E-10	6.32E-10	1.29E-09	4.92E-10	3.23E-10	8.14E-10
1361	563866.4	4234585	4.98E-09	4.44E-09	9.43E-09	8.45E-10	7.12E-10	1.56E-09	4.02E-09	3.26E-09	7.28E-09	6.59E-10	6.32E-10	1.29E-09	4.92E-10	3.23E-10	8.15E-10

1362	563761.2	4234228	2.52E-09	2.25E-09	4.77E-09	4.28E-10	3.60E-10	7.88E-10	2.03E-09	1.65E-09	3.68E-09	3.33E-10	3.20E-10	6.53E-10	2.49E-10	1.63E-10	4.12E-10
1363	563765.3	4234239	2.38E-09	2.12E-09	4.51E-09	4.04E-10	3.41E-10	7.45E-10	1.92E-09	1.56E-09	3.48E-09	3.15E-10	3.02E-10	6.17E-10	2.35E-10	1.54E-10	3.90E-10
1364	563769.5	4234249	2.26E-09	2.01E-09	4.27E-09	3.83E-10	3.23E-10	7.05E-10	1.82E-09	1.48E-09	3.30E-09	2.98E-10	2.86E-10	5.85E-10	2.23E-10	1.46E-10	3.69E-10
1365	563773.6	4234259	2.15E-09	1.92E-09	4.07E-09	3.65E-10	3.07E-10	6.72E-10	1.74E-09	1.41E-09	3.14E-09	2.84E-10	2.73E-10	5.57E-10	2.12E-10	1.39E-10	3.52E-10
1366	563777.8	4234269	2.03E-09	1.82E-09	3.85E-09	3.45E-10	2.91E-10	6.36E-10	1.64E-09	1.33E-09	2.97E-09	2.69E-10	2.58E-10	5.27E-10	2.01E-10	1.32E-10	3.33E-10
1367	563782	4234279	1.94E-09	1.73E-09	3.66E-09	3.28E-10	2.77E-10	6.05E-10	1.56E-09	1.27E-09	2.83E-09	2.56E-10	2.46E-10	5.02E-10	1.91E-10	1.25E-10	3.17E-10
1368	563786.1	4234290	1.83E-09	1.63E-09	3.46E-09	3.11E-10	2.62E-10	5.72E-10	1.48E-09	1.20E-09	2.68E-09	2.42E-10	2.32E-10	4.74E-10	1.81E-10	1.19E-10	2.99E-10
1369	563790.3	4234300	1.71E-09	1.53E-09	3.24E-09	2.90E-10	2.45E-10	5.35E-10	1.38E-09	1.12E-09	2.50E-09	2.26E-10	2.17E-10	4.43E-10	1.69E-10	1.11E-10	2.80E-10
1370	563794.4	4234310	1.62E-09	1.44E-09	3.06E-09	2.74E-10	2.31E-10	5.05E-10	1.31E-09	1.06E-09	2.36E-09	2.14E-10	2.05E-10	4.19E-10	1.60E-10	1.05E-10	2.64E-10
1371	563798.6	4234320	1.56E-09	1.40E-09	2.96E-09	2.65E-10	2.24E-10	4.89E-10	1.26E-09	1.02E-09	2.29E-09	2.07E-10	1.98E-10	4.05E-10	1.54E-10	1.01E-10	2.56E-10
1372	563802.7	4234330	1.55E-09	1.38E-09	2.93E-09	2.63E-10	2.22E-10	4.85E-10	1.25E-09	1.01E-09	2.27E-09	2.05E-10	1.97E-10	4.02E-10	1.53E-10	1.00E-10	2.54E-10
1373	563806.9	4234341	1.57E-09	1.40E-09	2.96E-09	2.66E-10	2.24E-10	4.90E-10	1.26E-09	1.02E-09	2.29E-09	2.07E-10	1.99E-10	4.06E-10	1.55E-10	1.01E-10	2.56E-10
1374	563811	4234351	1.59E-09	1.42E-09	3.00E-09	2.69E-10	2.27E-10	4.96E-10	1.28E-09	1.04E-09	2.32E-09	2.10E-10	2.01E-10	4.11E-10	1.57E-10	1.03E-10	2.60E-10
1375	563815.2	4234361	1.59E-09	1.42E-09	3.01E-09	2.70E-10	2.28E-10	4.98E-10	1.29E-09	1.04E-09	2.33E-09	2.11E-10	2.02E-10	4.13E-10	1.57E-10	1.03E-10	2.60E-10
1376	563819.3	4234371	1.60E-09	1.43E-09	3.03E-09	2.72E-10	2.29E-10	5.01E-10	1.29E-09	1.05E-09	2.34E-09	2.12E-10	2.03E-10	4.15E-10	1.58E-10	1.04E-10	2.62E-10
1377	563823.5	4234381	1.66E-09	1.48E-09	3.14E-09	2.82E-10	2.38E-10	5.19E-10	1.34E-09	1.09E-09	2.43E-09	2.20E-10	2.11E-10	4.30E-10	1.64E-10	1.08E-10	2.72E-10
1378	563827.6	4234392	1.75E-09	1.56E-09	3.32E-09	2.98E-10	2.51E-10	5.49E-10	1.42E-09	1.15E-09	2.56E-09	2.32E-10	2.23E-10	4.55E-10	1.73E-10	1.14E-10	2.87E-10
1379	563831.8	4234402	1.85E-09	1.65E-09	3.50E-09	3.14E-10	2.64E-10	5.78E-10	1.49E-09	1.21E-09	2.70E-09	2.45E-10	2.35E-10	4.79E-10	1.83E-10	1.20E-10	3.02E-10
1380	563836	4234412	1.92E-09	1.71E-09	3.62E-09	3.25E-10	2.74E-10	5.99E-10	1.55E-09	1.25E-09	2.80E-09	2.53E-10	2.43E-10	4.96E-10	1.89E-10	1.24E-10	3.13E-10
1381	563840.1	4234422	1.98E-09	1.77E-09	3.74E-09	3.36E-10	2.83E-10	6.19E-10	1.60E-09	1.29E-09	2.89E-09	2.62E-10	2.51E-10	5.13E-10	1.95E-10	1.28E-10	3.24E-10
1382	563844.3	4234432	2.07E-09	1.85E-09	3.92E-09	3.51E-10	2.96E-10	6.48E-10	1.67E-09	1.36E-09	3.03E-09	2.74E-10	2.63E-10	5.37E-10	2.05E-10	1.34E-10	3.39E-10
1383	563848.4	4234442	2.19E-09	1.95E-09	4.14E-09	3.71E-10	3.13E-10	6.84E-10	1.77E-09	1.43E-09	3.20E-09	2.89E-10	2.78E-10	5.67E-10	2.16E-10	1.42E-10	3.58E-10
1384	563852.6	4234453	2.31E-09	2.06E-09	4.36E-09	3.91E-10	3.30E-10	7.21E-10	1.86E-09	1.51E-09	3.37E-09	3.05E-10	2.93E-10	5.98E-10	2.28E-10	1.49E-10	3.77E-10
1385	563856.7	4234463	2.50E-09	2.23E-09	4.73E-09	4.24E-10	3.57E-10	7.81E-10	2.02E-09	1.63E-09	3.65E-09	3.30E-10	3.17E-10	6.47E-10	2.47E-10	1.62E-10	4.09E-10
1386	563860.9	4234473	2.77E-09	2.47E-09	5.23E-09	4.69E-10	3.96E-10	8.65E-10	2.23E-09	1.81E-09	4.04E-09	3.66E-10	3.51E-10	7.17E-10	2.73E-10	1.79E-10	4.53E-10
1387	563865	4234483	3.09E-09	2.76E-09	5.85E-09	5.25E-10	4.42E-10	9.67E-10	2.50E-09	2.02E-09	4.52E-09	4.09E-10	3.93E-10	8.02E-10	3.06E-10	2.00E-10	5.06E-10
1388	563869.2	4234493	3.32E-09	2.96E-09	6.28E-09	5.63E-10	4.75E-10	1.04E-09	2.68E-09	2.17E-09	4.85E-09	4.39E-10	4.21E-10	8.60E-10	3.28E-10	2.15E-10	5.43E-10
1389	563873.3	4234504	3.54E-09	3.16E-09	6.70E-09	6.01E-10	5.06E-10	1.11E-09	2.86E-09	2.32E-09	5.18E-09	4.68E-10	4.49E-10	9.18E-10	3.50E-10	2.30E-10	5.79E-10
1390	563877.5	4234514	3.74E-09	3.34E-09	7.08E-09	6.35E-10	5.35E-10	1.17E-09	3.02E-09	2.45E-09	5.47E-09	4.95E-10	4.75E-10	9.70E-10	3.70E-10	2.43E-10	6.12E-10
1391	563881.6	4234524	3.81E-09	3.40E-09	7.20E-09	6.46E-10	5.44E-10	1.19E-09	3.07E-09	2.49E-09	5.56E-09	5.03E-10	4.83E-10	9.86E-10	3.76E-10	2.47E-10	6.23E-10
1392	563885.8	4234534	3.85E-09	3.43E-09	7.28E-09	6.53E-10	5.50E-10	1.20E-09	3.11E-09	2.52E-09	5.62E-09	5.09E-10	4.88E-10	9.97E-10	3.80E-10	2.49E-10	6.29E-10
1393	563889.9	4234544	3.91E-09	3.49E-09	7.40E-09	6.64E-10	5.59E-10	1.22E-09	3.16E-09	2.56E-09	5.72E-09	5.17E-10	4.96E-10	1.01E-09	3.86E-10	2.53E-10	6.40E-10
1394	563894.1	4234555	3.99E-09	3.56E-09	7.55E-09	6.77E-10	5.71E-10	1.25E-09	3.22E-09	2.61E-09	5.83E-09	5.28E-10	5.06E-10	1.03E-09	3.94E-10	2.59E-10	6.53E-10
1395	563898.3	4234565	4.09E-09	3.64E-09	7.73E-09	6.93E-10	5.84E-10	1.28E-09	3.30E-09	2.67E-09	5.97E-09	5.40E-10	5.18E-10	1.06E-09	4.03E-10	2.65E-10	6.68E-10
1396	563902.4	4234575	4.19E-09	3.74E-09	7.93E-09	7.11E-10	5.99E-10	1.31E-09	3.38E-09	2.74E-09	6.13E-09	5.54E-10	5.32E-10	1.09E-09	4.14E-10	2.72E-10	6.86E-10
1397	563906.6	4234585	4.50E-09	4.01E-09	8.51E-09	7.63E-10	6.43E-10	1.41E-09	3.63E-09	2.94E-09	6.57E-09	5.95E-10	5.71E-10	1.17E-09	4.44E-10	2.91E-10	7.36E-10
1398	563910.7	4234595	4.53E-09	4.04E-09	8.58E-09	7.69E-10	6.48E-10	1.42E-09	3.66E-09	2.97E-09	6.63E-09	5.99E-10	5.75E-10	1.17E-09	4.48E-10	2.94E-10	7.41E-10
1399	563914.9	4234606	4.55E-09	4.06E-09	8.61E-09	7.72E-10	6.51E-10	1.42E-09	3.68E-09	2.98E-09	6.66E-09	6.02E-10	5.78E-10	1.18E-09	4.50E-10	2.95E-10	7.45E-10
1400	563919	4234616	4.50E-09	4.01E-09	8.51E-09	7.63E-10	6.43E-10	1.41E-09	3.63E-09	2.94E-09	6.57E-09	5.95E-10	5.71E-10	1.17E-09	4.44E-10	2.91E-10	7.36E-10
1401	563923.2	4234626	4.43E-09	3.95E-09	8.38E-09	7.51E-10	6.33E-10	1.38E-09	3.58E-09	2.90E-09	6.47E-09	5.86E-10	5.62E-10	1.15E-09	4.37E-10	2.87E-10	7.24E-10
1402	563260.6	4234600	6.80E-08	6.07E-08	1.29E-07	1.15E-08	9.72E-09	2.13E-08	5.49E-08	4.45E-08	9.94E-08	8.99E-09	8.63E-09	1.76E-08	6.72E-09	4.41E-09	1.11E-08
1403	563266.7	4234592	6.07E-08	5.41E-08	1.15E-07	1.03E-08	8.67E-09	1.90E-08	4.90E-08	3.97E-08	8.87E-08	8.02E-09	7.70E-09	1.57E-08	5.99E-09	3.93E-09	9.92E-09
1404	563257.6	4234585	6.81E-08	6.08E-08	1.29E-07	1.16E-08	9.74E-09	2.13E-08	5.50E-08	4.46E-08	9.96E-08	9.01E-09	8.64E-09	1.77E-08	6.73E-09	4.41E-09	1.11E-08
1405	563272.8	4234584	5.46E-08	4.87E-08	1.03E-07	9.26E-09	7.81E-09	1.71E-08	4.41E-08	3.57E-08	7.98E-08	7.22E-09	6.93E-09	1.41E-08	5.39E-09	3.54E-09	8.93E-09
1406	563263.1	4234577	6.14E-08	5.48E-08	1.16E-07	1.04E-08	8.79E-09	1.92E-08	4.96E-08	4.02E-08	8.98E-08	8.12E-09	7.79E-09	1.59E-08	6.07E-09	3.98E-09	1.00E-08
1407	563277.6	4234575	5.02E-08	4.48E-08	9.51E-08	8.53E-09	7.19E-09	1.57E-08	4.06E-08	3.29E-08	7.34E-08	6.64E-09	6.38E-09	1.30E-08	4.96E-09	3.26E-09	8.22E-09
1408	563285.2	4234582	4.61E-08	4.11E-08	8.72E-08	7.82E-09	6.59E-09	1.44E-08	3.72E-08	3.02E-08	6.74E-08	6.10E-09	5.85E-09	1.19E-08	4.55E-09	2.99E-09	7.54E-09
1409	563268.7	4234569	5.58E-08	4.98E-08	1.06E-07	9.48E-09	7.99E-09	1.75E-08	4.51E-08	3.65E-08	8.16E-08	7.38E-09	7.09E-09	1.45E-08	5.51E-09	3.62E-09	9.13E-09
1410	563283.6	4234567	4.58E-08	4.09E-08	8.67E-08	7.77E-09	6.55E-09	1.43E-08	3.70E-08	3.00E-08	6.69E-08	6.06E-09	5.81E-09	1.19E-08	4.52E-09	2.97E-09	7.49E-09
1411	563292.1	4234574	4.18E-08	3.73E-08	7.91E-08	7.09E-09	5.98E-09	1.31E-08	3.38E-08	2.74E-08	6.11E-08	5.53E-09	5.31E-09	1.08E-08	4.13E-09	2.71E-09	6.84E-09
1412	563274.2	4234560	5.11E-08	4.56E-08	9.67E-08	8.67E-09	7.31E-09	1.60E-08	4.13E-08	3.34E-08	7.47E-08	6.76E-09	6.48E-09	1.32E-08	5.05E-09	3.31E-09	8.36E-09
1413	563294.5	4234551	3.88E-08	3.46E-08	7.34E-08	6.59E-09	5.55E-09	1.21E-08	3.13E-08	2.54E-08	5.67E-08	5.13E-09	4.93E-09	1.01E-08	3.83E-09	2.52E-09	6.35E-09
1414	563302.6	4234557	3.57E-08	3.18E-08	6.75E-08	6.05E-09	5.10E-09	1.12E-08	2.88E-08	2.33E-08	5.21E-08	4.72E-09	4.53E-09	9.24E-09	3.52E-09	2.31E-09	5.83E-09
1415	563285.3	4234544	4.30E-08	3.83E-08	8.13E-08	7.29E-09	6.14E-09	1.34E-08	3.47E-08	2.81E-08	6.28E-08	5.68E-09	5.45E-09	1.11E-08	4.24E-09	2.78E-09	7.03E-09
1416	563306.3	4234535	3.30E-08	2.95E-08	6.25E-08	5.60E-09	4.72E-09	1.03E-08	2.67E-08	2.16E-08	4.83E-08	4.37E-09	4.19E-09	8.56E-09	3.26E-09	2.14E-09	5.40E-09
1417	563315.8	4234543	3.01E-08	2.68E-08	5.69E-08	5.10E-09	4.30E-09	9.40E-09	2.43E-08	1.97E-08	4.39E-08	3.98E-09	3.81E-09	7.79E-09	2.97E-09	1.95E-09	4.92E-09
1418	563296.4	4234527	3.65E-08	3.26E-08	6.91E-08	6.20E-09	5.22E-09	1.14E-08	2.95E-08	2.39E-08	5.34E-08	4.83E-09	4.63E-09	9.46E-09	3.61E-09	2.37E-09	5.97E-09
1419	563317.2	4234518	2.90E-08	2.58E-08	5.48E-08	4.91E-09	4.14E-09	9.06E-09	2.34E-08	1.90E-08	4.23E-08	3.83E-09	3.68E-09	7.51E-09	2.86E-09	1.88E-09	4.74E-09
1420	563326.2	4234525	2.66E-08	2.37E-08	5.04E-08	4.52E-09	3.81E-09	8.32E-09	2.15E-08	1.74E-08	3.89E-08	3.52E-09	3.38E-09	6.90E-09	2.63E-09	1.72E-09	4.35E-09
1421	563335.2	4234533	2.45E-08	2.18E-08	4.63E-08	4.15E-09	3.50E-09	7.65E-09	1.98E-08	1.60E-08	3.58E-08	3.24E-09	3.11E-09	6.34E-09	2.42E-09	1.59E-09	4.00E-09
1422	563307.5	4234510	3.18E-08	2.83E-08	6.01E-08	5.39E-09	4.54E-09	9.93E-09	2.56E-08	2.08E-08	4.64E-08	4.20E-09	4.03E-09	8.23E-09	3.14E-09	2.06E-09	5.19E-09
1423	563328.1	4234501	2.59E-08	2.31E-08	4.89E-08	4.39E-09	3.70E-09	8.09E-09	2.09E-08	1.69E-08	3.78E-08	3.42E-09	3.28E-09	6.70E-09	2.55E-09	1.68E-09	4.23E-09
1424	563336.8	4234508	2.39E-08	2.13E-08	4.52E-08	4.06E-09	3.42E-09	7.47E-09	1.93E-08	1.56E-08	3.49E-08	3.16E-09	3.03E-09	6.19E-09	2.36E-09	1.55E-09	3.91E-09
1425	563345.5	4234516	2.21E-08	1.97E-08	4.18E-08	3.75E-09	3.16E-09	6.91E-09	1.79E-08	1.45E-08	3.23E-08	2.92E-09	2.81E-09	5.73E-09	2.18E-09	1.43E-09	3.62E-09
1426	563318.6	4234494	2.82E-08	2.52E-08	5.34E-08	4.79E-09	4.03E-09	8.82E-09	2.28E-08	1.85E-08	4.12E-08	3.73E-09	3.58E-09	7.31E-09	2.79E-09	1.83E-09	4.61E-09
1427	563339.1	4234484	2.34E-08	2.09E-08	4.42E-08	3.97E-09	3.34E-09	7.31E-09	1.89E-08	1.53E-08	3.42E-08	3.09E-09	2.97E-09	6.06E-09	2.31E-09	1.51E-09	3.82E-09
1428	563347.6	4234491	2.18E-08	1.94E-08	4.12E-08	3.69E-09	3.11E-09	6.81E-09	1.76E-08	1.42E-08	3.18E-08	2.88E-09	2.76E-09	5.64E-09	2.15E-09	1.41E-09	3.56E-09
1429	563356	4234498	2.03E-08	1.81E-08	3.83E-08	3.44E-09	2.90E-09	6.33E-09	1.64E-08	1.33E-08	2.96E-08	2.68E-09	2.57E-09	5.25E-09	2.00E-09	1.31E-09	3.31E-09
1430	563364.5	4234506	1.88E-08	1.68E-08	3.56E-08	3.20E-09	2.69E-09	5.89E-09	1.52E-08	1.23E-08	2.75E-08	2.49E-09	2.39E-09	4.88E-09	1.86E-09	1.22E-09	3.08E-09
1431	563329.7	4234477	2.53E-08	2.26E-08	4.79E-08	4.29E-09	3.62E-09	7.91E-09	2.04E-08	1.66E-08	3.70E-08	3.35E-09	3.21E-09	6.56E-09	2.50E-09	1.64E-09	4.14E-09
1432	563350.6	4234468	2.13E-08	1.90E-08	4.03E-08	3.61E-09	3.04E-09	6.66E-09	1.72E-08	1.39E-08	3.11E-08	2.82E-09	2.70E-09	5.52E-09	2.10E-09	1.38E-09	3.48E-09
1433	563359.9	4234476	1.98E-08	1.77E-08	3.75E-08	3.36E-09	2.83E-09	6.19E-09	1.60E-08	1.30E-08	2.89E-08	2.62E-09	2.51E-09	5.13E-09	1.96E-09	1.28E-09	3.24E-09
1434	563369.2	4234484	1.84E-08	1.64E-08	3.47E-08	3.11E-09	2.62E-09	5.74E-09	1.48E-08	1.20E-08	2.68E-08	2.43E-09	2.33E-09	4.76E-09	1.81E-09	1.19E-09	3.00E-09
1435	563378.5	4234491	1.70E-08	1.51E-08	3.21E-08	2.88E-09	2.43E-09	5.31E-09	1.37E-08	1.11E-08	2.48E-08	2.24E-09	2.15E-09	4.40E-09	1.68E-09	1.10E-09	2.78E-09
1436	563340.8	4234461	2.30E-08	2.05E-08	4.35E-08	3.90E-09	3.28E-09	7.18E-09	1.85E-08	1.50E-08	3.36E-08	3.04E-09	2.91E-09	5.95E-09	2.27E-09	1.49E-09	3.76E-09
1437	563361.6	4234451	1.96E-08	1.75E-08	3.72E-08	3.33E-09	2.81E-09	6.14E-09	1.59E-08	1.29E-08	2.87E-08	2.60E-09	2.49E-09	5.09E-09	1.94E-09	1.27E-09	3.21E-09
1438	563370.6	4234459	1.83E-08	1.63E-08	3.46E-08	3.10E-09	2.61E-09	5.71E-09	1.48E-08	1.20E-08	2.67E-08	2.42E-09	2.32E-09	4.74E-09	1.80E-09	1.18E-09	2.99E-09
1439	563379.6	4234466	1.70E-08	1.51E-08	3.21E-08	2.88E-09	2.43E-09	5.31E-09	1.37E-08	1.11E-08	2.48E-08	2.24E-09	2.15E-09	4.40E-09	1.68E-09	1.10E-09	2.78E-09
1440	563388.6	4234474	1.58E-08	1.41E-08	2.99E-08	2.68E-09	2.26E-09	4.93E-09	1.27E-08	1.03E-08	2.31E-08	2.09E-09	2.00E-09	4.09E-09	1.56E-09	1.02E-09	2.58E-09
1441	563351.9	4234444	2.11E-08	1.89E-08	4.00E-08	3.59E-09	3.02E-09	6.61E-09	1.71E-08	1.38E-08	3.09E-08	2.80E-09	2.68E-09	5.48E-09	2.09E-09	1.37E-09	3.46E-09
1442	563372.6	4234434	1.81E-08	1.62E-08	3.43E-08	3.07E-09	2.59E-09	5.66E-09	1.46E-08	1.19E-08	2.65E-08	2.40E-09	2.30E-09	4.69E-09	1.79E-09	1.17E-09	2.96E-09
1443	563381.4	4234442	1.69E-08	1.51E-08	3.20E-08	2.87E-09	2.42E-09	5.29E-09	1.36E-08	1.11E-08	2.47E-08	2.24E-09	2.14E-09	4.38E-09	1.67E-09	1.10E-09	2.76E-09
1444	563390.2	4234449	1.58E-08	1.41E-08	2.98E-08	2.67E-09	2.25E-09	4.93E-09	1.27E-08	1.03E-08	2.30E-08	2.08E-09	2.00E-09	4.08E-09	1.56E-09	1.02E-09	2.58E-09
1445	563398.9	4234457	1.47E-08	1.31E-08	2.78E-08	2.49E-09	2.10E-09	4.60E-09	1.19E-08	9.62E-09	2.15E-08	1.94E-09	1.87E-09	3.81E-09	1.45E-09	9.53E-10	2.40E-09
1446	563407.7	4234464	1.37E-08	1.23E-08	2.60E-08	2.33E-09	1.96E-09	4.30E-09	1.11E-08	8.99E-09	2.01E-08	1.82E-09	1.74E-09	3.56E-09	1.36E-09	8.90E-10	2.25E-09
1447	563363	4234427	1.95E-08	1.74E-08	3.69E-08	3.31E-09	2.79E-09	6.10E-09	1.57E-08	1.28E-08	2.85E-08	2.58E-09	2.47E-09	5.05E-09	1.93E-09	1.26E-09	3.19E-09
1448	563384	4234418	1.67E-08	1.49E-08	3.16E-08	2.84E-09	2.39E-09	5.23E-09	1.35E-08	1.09E-08	2.44E-08	2.21E-09	2.12E-09	4.33E-09	1.65E-09	1.08E-09	2.73E-09
1449	563393.5	4234426	1.56E-08	1.39E-08	2.94E-08	2.64E-09	2.22E-09	4.86E-09	1.26E-08	1.02E-08	2.27E-08	2.06E-09	1.97E-09	4.03E-09	1.54E-09	1.01E-09	2.54E-09
1450	563402.9	4234434	1.45E-08	1.29E-08	2.73E-08	2.45E-09	2.07E-09	4.52E-09	1.17E-08	9.46E-09	2.11E-08	1.91E-09	1.83E-09	3.75E-09	1.43E-09	9.37E-10	2.36E-09
1451	563412.4	4234442	1.34E-08	1.20E-08	2.54E-08	2.28E-09	1.92E-09	4.20E-09	1.08E-08	8.79E-09	1.96E-08	1.78E-09	1.70E-09	3.48E-09	1.33E-09	8.71E-10	2.20E-09
1452	563421.9	4234450	1.25E-08	1.12E-08	2.37E-08	2.12E-09	1.79E-09	3.91E-09	1.01E-08	8.19E-09	1.83E-08	1.65E-09	1.59E-09	3.24E-09	1.24E-09	8.11E-10	2.05E-09

1453	563374.1	4234411	1.80E-08	1.60E-08	3.40E-08	3.05E-09	2.57E-09	5.62E-09	1.45E-08	1.18E-08	2.63E-08	2.38E-09	2.28E-09	4.66E-09	1.78E-09	1.17E-09	2.94E-09
1454	563395	4234401	1.55E-08	1.39E-08	2.94E-08	2.64E-09	2.22E-09	4.86E-09	1.25E-08	1.02E-08	2.27E-08	2.06E-09	1.97E-09	4.03E-09	1.53E-09	1.01E-09	2.54E-09
1455	563404.2	4234409	1.45E-08	1.30E-08	2.75E-08	2.46E-09	2.08E-09	4.54E-09	1.17E-08	9.50E-09	2.12E-08	1.92E-09	1.84E-09	3.76E-09	1.43E-09	9.41E-10	2.38E-09
1456	563413.4	4234417	1.36E-08	1.21E-08	2.56E-08	2.30E-09	1.94E-09	4.24E-09	1.09E-08	8.87E-09	1.98E-08	1.79E-09	1.72E-09	3.51E-09	1.34E-09	8.78E-10	2.22E-09
1457	563422.6	4234425	1.26E-08	1.13E-08	2.39E-08	2.15E-09	1.81E-09	3.95E-09	1.02E-08	8.28E-09	1.85E-08	1.67E-09	1.60E-09	3.28E-09	1.25E-09	8.20E-10	2.07E-09
1458	563431.9	4234432	1.19E-08	1.06E-08	2.25E-08	2.02E-09	1.70E-09	3.72E-09	9.60E-09	7.78E-09	1.74E-08	1.57E-09	1.51E-09	3.08E-09	1.17E-09	7.70E-10	1.94E-09
1459	563385.2	4234394	1.67E-08	1.49E-08	3.15E-08	2.83E-09	2.38E-09	5.21E-09	1.34E-08	1.09E-08	2.43E-08	2.20E-09	2.11E-09	4.32E-09	1.64E-09	1.08E-09	2.72E-09
1460	563417	4234368	1.36E-08	1.21E-08	2.57E-08	2.31E-09	1.94E-09	4.25E-09	1.10E-08	8.89E-09	1.99E-08	1.80E-09	1.72E-09	3.52E-09	1.34E-09	8.81E-10	2.22E-09
1461	563425.9	4234375	1.28E-08	1.14E-08	2.42E-08	2.17E-09	1.83E-09	4.00E-09	1.03E-08	8.37E-09	1.87E-08	1.69E-09	1.62E-09	3.32E-09	1.26E-09	8.29E-10	2.09E-09
1462	563434.7	4234383	1.20E-08	1.07E-08	2.28E-08	2.04E-09	1.72E-09	3.76E-09	9.71E-09	7.87E-09	1.76E-08	1.59E-09	1.53E-09	3.12E-09	1.19E-09	7.79E-10	1.97E-09
1463	563443.5	4234390	1.13E-08	1.01E-08	2.14E-08	1.92E-09	1.61E-09	3.53E-09	9.12E-09	7.39E-09	1.65E-08	1.49E-09	1.43E-09	2.93E-09	1.11E-09	7.32E-10	1.85E-09
1464	563407.4	4234361	1.45E-08	1.30E-08	2.75E-08	2.47E-09	2.08E-09	4.55E-09	1.17E-08	9.51E-09	2.13E-08	1.92E-09	1.84E-09	3.77E-09	1.44E-09	9.42E-10	2.38E-09
1465	563439.4	4234335	1.24E-08	1.10E-08	2.34E-08	2.10E-09	1.77E-09	3.87E-09	9.98E-09	8.09E-09	1.81E-08	1.64E-09	1.57E-09	3.20E-09	1.22E-09	8.01E-10	2.02E-09
1466	563494.4	4234381	8.54E-09	7.62E-09	1.62E-08	1.45E-09	1.22E-09	2.67E-09	6.90E-09	5.59E-09	1.25E-08	1.13E-09	1.08E-09	2.21E-09	8.44E-10	5.54E-10	1.40E-09
1467	563429.6	4234327	1.31E-08	1.17E-08	2.48E-08	2.23E-09	1.88E-09	4.10E-09	1.06E-08	8.59E-09	1.92E-08	1.74E-09	1.67E-09	3.40E-09	1.30E-09	8.51E-10	2.15E-09
1468	563499.6	4234333	8.70E-09	7.76E-09	1.65E-08	1.48E-09	1.24E-09	2.72E-09	7.02E-09	5.69E-09	1.27E-08	1.15E-09	1.10E-09	2.25E-09	8.59E-10	5.64E-10	1.42E-09
1469	563509	4234341	8.17E-09	7.29E-09	1.55E-08	1.39E-09	1.17E-09	2.56E-09	6.60E-09	5.35E-09	1.19E-08	1.08E-09	1.04E-09	2.12E-09	8.07E-10	5.30E-10	1.34E-09
1470	563518.5	4234349	7.76E-09	6.92E-09	1.47E-08	1.32E-09	1.11E-09	2.43E-09	6.27E-09	5.08E-09	1.13E-08	1.03E-09	9.85E-10	2.01E-09	7.66E-10	5.03E-10	1.27E-09
1471	563492.9	4234276	9.46E-09	8.44E-09	1.79E-08	1.61E-09	1.35E-09	2.96E-09	7.64E-09	6.19E-09	1.38E-08	1.25E-09	1.20E-09	2.45E-09	9.35E-10	6.13E-10	1.55E-09
1472	563502.1	4234284	8.98E-09	8.01E-09	1.70E-08	1.52E-09	1.28E-09	2.81E-09	7.25E-09	5.87E-09	1.31E-08	1.19E-09	1.14E-09	2.33E-09	8.86E-10	5.82E-10	1.47E-09
1473	563511.2	4234291	8.49E-09	7.58E-09	1.61E-08	1.44E-09	1.21E-09	2.66E-09	6.86E-09	5.56E-09	1.24E-08	1.12E-09	1.08E-09	2.20E-09	8.39E-10	5.51E-10	1.39E-09
1474	563520.3	4234299	8.08E-09	7.21E-09	1.53E-08	1.37E-09	1.16E-09	2.53E-09	6.53E-09	5.29E-09	1.18E-08	1.07E-09	1.03E-09	2.09E-09	7.98E-10	5.24E-10	1.32E-09
1475	563529.5	4234307	7.71E-09	6.88E-09	1.46E-08	1.31E-09	1.10E-09	2.41E-09	6.23E-09	5.05E-09	1.13E-08	1.02E-09	9.79E-10	2.00E-09	7.62E-10	5.00E-10	1.26E-09
1476	563538.6	4234314	7.42E-09	6.62E-09	1.40E-08	1.26E-09	1.06E-09	2.32E-09	5.99E-09	4.86E-09	1.08E-08	9.81E-10	9.42E-10	1.92E-09	7.33E-10	4.81E-10	1.21E-09
1477	563547.8	4234322	7.18E-09	6.41E-09	1.36E-08	1.22E-09	1.03E-09	2.25E-09	5.80E-09	4.70E-09	1.05E-08	9.50E-10	9.12E-10	1.86E-09	7.10E-10	4.66E-10	1.18E-09
1478	563506.1	4234235	9.01E-09	8.04E-09	1.70E-08	1.53E-09	1.29E-09	2.82E-09	7.27E-09	5.89E-09	1.32E-08	1.19E-09	1.14E-09	2.33E-09	8.90E-10	5.84E-10	1.47E-09
1479	563515.5	4234243	8.62E-09	7.69E-09	1.63E-08	1.46E-09	1.23E-09	2.70E-09	6.96E-09	5.64E-09	1.26E-08	1.14E-09	1.09E-09	2.23E-09	8.51E-10	5.59E-10	1.41E-09
1480	563524.9	4234251	8.28E-09	7.38E-09	1.57E-08	1.40E-09	1.18E-09	2.59E-09	6.68E-09	5.42E-09	1.21E-08	1.09E-09	1.05E-09	2.15E-09	8.18E-10	5.36E-10	1.35E-09
1481	563534.3	4234259	7.94E-09	7.08E-09	1.50E-08	1.35E-09	1.14E-09	2.48E-09	6.41E-09	5.20E-09	1.16E-08	1.05E-09	1.01E-09	2.06E-09	7.84E-10	5.15E-10	1.30E-09
1482	563543.6	4234267	7.60E-09	6.78E-09	1.44E-08	1.29E-09	1.09E-09	2.38E-09	6.14E-09	4.97E-09	1.11E-08	1.01E-09	9.65E-10	1.97E-09	7.51E-10	4.93E-10	1.24E-09
1483	563553	4234275	7.27E-09	6.49E-09	1.38E-08	1.23E-09	1.04E-09	2.27E-09	5.87E-09	4.76E-09	1.06E-08	9.62E-10	9.23E-10	1.89E-09	7.18E-10	4.71E-10	1.19E-09
1484	563562.4	4234282	6.96E-09	6.21E-09	1.32E-08	1.18E-09	9.95E-10	2.18E-09	5.62E-09	4.55E-09	1.02E-08	9.20E-10	8.83E-10	1.80E-09	6.87E-10	4.51E-10	1.14E-09
1485	563571.8	4234290	6.66E-09	5.94E-09	1.26E-08	1.13E-09	9.53E-10	2.08E-09	5.38E-09	4.36E-09	9.74E-09	8.81E-10	8.45E-10	1.73E-09	6.58E-10	4.32E-10	1.09E-09
1486	563581.2	4234298	6.38E-09	5.69E-09	1.21E-08	1.08E-09	9.12E-10	1.99E-09	5.15E-09	4.17E-09	9.32E-09	8.44E-10	8.09E-10	1.65E-09	6.30E-10	4.13E-10	1.04E-09
1487	563496.2	4234228	9.38E-09	8.36E-09	1.77E-08	1.59E-09	1.34E-09	2.93E-09	7.57E-09	6.14E-09	1.37E-08	1.24E-09	1.19E-09	2.43E-09	9.26E-10	6.08E-10	1.53E-09
1488	563528.2	4234202	8.39E-09	7.49E-09	1.59E-08	1.42E-09	1.20E-09	2.62E-09	6.78E-09	5.49E-09	1.23E-08	1.11E-09	1.07E-09	2.18E-09	8.29E-10	5.44E-10	1.37E-09
1489	563537.3	4234209	8.13E-09	7.25E-09	1.54E-08	1.38E-09	1.16E-09	2.54E-09	6.56E-09	5.32E-09	1.19E-08	1.07E-09	1.03E-09	2.11E-09	8.02E-10	5.27E-10	1.33E-09
1490	563546.4	4234217	7.85E-09	7.01E-09	1.49E-08	1.33E-09	1.12E-09	2.46E-09	6.34E-09	5.14E-09	1.15E-08	1.04E-09	9.96E-10	2.03E-09	7.76E-10	5.09E-10	1.28E-09
1491	563555.5	4234225	7.58E-09	6.76E-09	1.43E-08	1.29E-09	1.08E-09	2.37E-09	6.12E-09	4.96E-09	1.11E-08	1.00E-09	9.62E-10	1.96E-09	7.49E-10	4.91E-10	1.24E-09
1492	563564.7	4234232	7.31E-09	6.52E-09	1.38E-08	1.24E-09	1.05E-09	2.29E-09	5.90E-09	4.78E-09	1.07E-08	9.67E-10	9.27E-10	1.89E-09	7.22E-10	4.74E-10	1.20E-09
1493	563573.8	4234240	7.04E-09	6.28E-09	1.33E-08	1.19E-09	1.01E-09	2.20E-09	5.68E-09	4.61E-09	1.03E-08	9.31E-10	8.93E-10	1.82E-09	6.95E-10	4.56E-10	1.15E-09
1494	563582.9	4234248	6.78E-09	6.04E-09	1.28E-08	1.15E-09	9.69E-10	2.12E-09	5.47E-09	4.43E-09	9.90E-09	8.96E-10	8.60E-10	1.76E-09	6.69E-10	4.39E-10	1.11E-09
1495	563592	4234255	6.51E-09	5.80E-09	1.23E-08	1.10E-09	9.31E-10	2.03E-09	5.25E-09	4.26E-09	9.51E-09	8.60E-10	8.26E-10	1.69E-09	6.43E-10	4.22E-10	1.06E-09
1496	563601.2	4234263	6.14E-09	5.48E-09	1.16E-08	1.04E-09	8.78E-10	1.92E-09	4.96E-09	4.02E-09	8.98E-09	8.12E-10	7.79E-10	1.59E-09	6.06E-10	3.98E-10	1.00E-09
1497	563610.3	4234271	5.79E-09	5.17E-09	1.10E-08	9.83E-10	8.29E-10	1.81E-09	4.68E-09	3.79E-09	8.47E-09	7.66E-10	7.35E-10	1.50E-09	5.72E-10	3.75E-10	9.48E-10
1498	563518.4	4234194	8.68E-09	7.74E-09	1.64E-08	1.47E-09	1.24E-09	2.71E-09	7.01E-09	5.68E-09	1.27E-08	1.15E-09	1.10E-09	2.25E-09	8.57E-10	5.62E-10	1.42E-09
1499	563550.5	4234169	7.94E-09	7.08E-09	1.50E-08	1.35E-09	1.14E-09	2.48E-09	6.41E-09	5.19E-09	1.16E-08	1.05E-09	1.01E-09	2.06E-09	7.84E-10	5.14E-10	1.30E-09
1500	563559.8	4234176	7.72E-09	6.88E-09	1.46E-08	1.31E-09	1.10E-09	2.41E-09	6.23E-09	5.05E-09	1.13E-08	1.02E-09	9.79E-10	2.00E-09	7.62E-10	5.00E-10	1.26E-09
1501	563569.1	4234184	7.49E-09	6.69E-09	1.42E-08	1.27E-09	1.07E-09	2.34E-09	6.05E-09	4.90E-09	1.10E-08	9.91E-10	9.51E-10	1.94E-09	7.40E-10	4.86E-10	1.23E-09
1502	563578.5	4234192	7.27E-09	6.49E-09	1.38E-08	1.23E-09	1.04E-09	2.27E-09	5.87E-09	4.76E-09	1.06E-08	9.61E-10	9.22E-10	1.88E-09	7.18E-10	4.71E-10	1.19E-09
1503	563587.8	4234200	7.04E-09	6.28E-09	1.33E-08	1.19E-09	1.01E-09	2.20E-09	5.69E-09	4.61E-09	1.03E-08	9.31E-10	8.94E-10	1.82E-09	6.95E-10	4.56E-10	1.15E-09
1504	563597.1	4234208	6.73E-09	6.01E-09	1.27E-08	1.14E-09	9.63E-10	2.11E-09	5.44E-09	4.41E-09	9.84E-09	8.90E-10	8.54E-10	1.74E-09	6.65E-10	4.36E-10	1.10E-09
1505	563606.5	4234216	6.37E-09	5.69E-09	1.21E-08	1.08E-09	9.12E-10	1.99E-09	5.15E-09	4.17E-09	9.32E-09	8.43E-10	8.09E-10	1.65E-09	6.29E-10	4.13E-10	1.04E-09
1506	563615.8	4234223	6.02E-09	5.37E-09	1.14E-08	1.02E-09	8.61E-10	1.88E-09	4.86E-09	3.94E-09	8.80E-09	7.96E-10	7.64E-10	1.56E-09	5.95E-10	3.90E-10	9.85E-10
1507	563625.1	4234231	5.68E-09	5.07E-09	1.07E-08	9.64E-10	8.12E-10	1.78E-09	4.59E-09	3.72E-09	8.30E-09	7.51E-10	7.21E-10	1.47E-09	5.61E-10	3.68E-10	9.29E-10
1508	563634.5	4234239	5.35E-09	4.77E-09	1.01E-08	9.07E-10	7.65E-10	1.67E-09	4.32E-09	3.50E-09	7.82E-09	7.07E-10	6.79E-10	1.39E-09	5.28E-10	3.47E-10	8.75E-10
1509	563540.6	4234161	8.16E-09	7.28E-09	1.54E-08	1.39E-09	1.17E-09	2.55E-09	6.59E-09	5.34E-09	1.19E-08	1.08E-09	1.04E-09	2.12E-09	8.06E-10	5.29E-10	1.34E-09
1510	563572.6	4234135	7.57E-09	6.75E-09	1.43E-08	1.28E-09	1.08E-09	2.37E-09	6.11E-09	4.95E-09	1.11E-08	1.00E-09	9.61E-10	1.96E-09	7.48E-10	4.91E-10	1.24E-09
1511	563581.7	4234143	7.31E-09	6.52E-09	1.38E-08	1.24E-09	1.04E-09	2.28E-09	5.90E-09	4.78E-09	1.07E-08	9.66E-10	9.27E-10	1.89E-09	7.21E-10	4.73E-10	1.19E-09
1512	563590.8	4234150	7.02E-09	6.26E-09	1.33E-08	1.19E-09	1.00E-09	2.19E-09	5.67E-09	4.59E-09	1.03E-08	9.28E-10	8.91E-10	1.82E-09	6.93E-10	4.55E-10	1.15E-09
1513	563599.9	4234158	6.74E-09	6.02E-09	1.28E-08	1.14E-09	9.65E-10	2.11E-09	5.45E-09	4.41E-09	9.86E-09	8.92E-10	8.56E-10	1.75E-09	6.66E-10	4.37E-10	1.10E-09
1514	563609	4234166	6.59E-09	5.87E-09	1.25E-08	1.12E-09	9.42E-10	2.06E-09	5.32E-09	4.31E-09	9.63E-09	8.71E-10	8.36E-10	1.71E-09	6.50E-10	4.27E-10	1.08E-09
1515	563618.1	4234173	6.33E-09	5.65E-09	1.20E-08	1.07E-09	9.06E-10	1.98E-09	5.11E-09	4.14E-09	9.26E-09	8.38E-10	8.04E-10	1.64E-09	6.26E-10	4.10E-10	1.04E-09
1516	563627.2	4234181	6.02E-09	5.37E-09	1.14E-08	1.02E-09	8.61E-10	1.88E-09	4.86E-09	3.94E-09	8.80E-09	7.96E-10	7.64E-10	1.56E-09	5.95E-10	3.90E-10	9.85E-10
1517	563636.3	4234189	5.71E-09	5.09E-09	1.08E-08	9.69E-10	8.17E-10	1.79E-09	4.61E-09	3.74E-09	8.35E-09	7.55E-10	7.25E-10	1.48E-09	5.64E-10	3.70E-10	9.34E-10
1518	563645.4	4234196	5.40E-09	4.82E-09	1.02E-08	9.16E-10	7.72E-10	1.69E-09	4.36E-09	3.53E-09	7.89E-09	7.14E-10	6.85E-10	1.40E-09	5.33E-10	3.50E-10	8.83E-10
1519	563654.5	4234204	5.09E-09	4.54E-09	9.63E-09	8.63E-10	7.28E-10	1.59E-09	4.11E-09	3.33E-09	7.44E-09	6.73E-10	6.46E-10	1.32E-09	5.03E-10	3.30E-10	8.32E-10
1520	563663.7	4234212	4.78E-09	4.26E-09	9.04E-09	8.10E-10	6.83E-10	1.49E-09	3.86E-09	3.13E-09	6.98E-09	6.32E-10	6.06E-10	1.24E-09	4.72E-10	3.10E-10	7.81E-10
1521	563562.8	4234128	7.75E-09	6.91E-09	1.47E-08	1.31E-09	1.11E-09	2.42E-09	6.26E-09	5.07E-09	1.13E-08	1.02E-09	9.83E-10	2.01E-09	7.65E-10	5.02E-10	1.27E-09
1522	563594.9	4234102	7.02E-09	6.26E-09	1.33E-08	1.19E-09	1.00E-09	2.19E-09	5.67E-09	4.59E-09	1.03E-08	9.28E-10	8.90E-10	1.82E-09	6.93E-10	4.55E-10	1.15E-09
1523	563604.2	4234110	6.77E-09	6.04E-09	1.28E-08	1.15E-09	9.69E-10	2.12E-09	5.47E-09	4.43E-09	9.90E-09	8.96E-10	8.60E-10	1.76E-09	6.69E-10	4.39E-10	1.11E-09
1524	563613.5	4234118	6.59E-09	5.88E-09	1.25E-08	1.12E-09	9.43E-10	2.06E-09	5.32E-09	4.32E-09	9.64E-09	8.72E-10	8.37E-10	1.71E-09	6.51E-10	4.27E-10	1.08E-09
1525	563622.7	4234125	6.46E-09	5.76E-09	1.22E-08	1.10E-09	9.24E-10	2.02E-09	5.21E-09	4.23E-09	9.44E-09	8.54E-10	8.19E-10	1.67E-09	6.38E-10	4.19E-10	1.06E-09
1526	563632	4234133	6.18E-09	5.52E-09	1.17E-08	1.05E-09	8.84E-10	1.93E-09	4.99E-09	4.05E-09	9.04E-09	8.18E-10	7.85E-10	1.60E-09	6.11E-10	4.01E-10	1.01E-09
1527	563641.3	4234141	5.90E-09	5.26E-09	1.12E-08	1.00E-09	8.44E-10	1.84E-09	4.76E-09	3.86E-09	8.62E-09	7.80E-10	7.49E-10	1.53E-09	5.83E-10	3.82E-10	9.65E-10
1528	563650.6	4234149	5.61E-09	5.00E-09	1.06E-08	9.52E-10	8.02E-10	1.75E-09	4.53E-09	3.67E-09	8.20E-09	7.42E-10	7.12E-10	1.45E-09	5.54E-10	3.63E-10	9.17E-10
1529	563659.9	4234157	5.32E-09	4.74E-09	1.01E-08	9.02E-10	7.60E-10	1.66E-09	4.29E-09	3.48E-09	7.77E-09	7.03E-10	6.74E-10	1.38E-09	5.25E-10	3.44E-10	8.69E-10
1530	563669.2	4234164	5.02E-09	4.48E-09	9.50E-09	8.52E-10	7.18E-10	1.57E-09	4.05E-09	3.29E-09	7.34E-09	6.64E-10	6.37E-10	1.30E-09	4.96E-10	3.25E-10	8.21E-10
1531	563678.5	4234172	4.72E-09	4.21E-09	8.94E-09	8.02E-10	6.76E-10	1.48E-09	3.81E-09	3.09E-09	6.91E-09	6.25E-10	5.99E-10	1.22E-09	4.67E-10	3.06E-10	7.73E-10
1532	563585.1	4234095	7.26E-09	6.48E-09	1.37E-08	1.23E-09	1.04E-09	2.27E-09	5.86E-09	4.75E-09	1.06E-08	9.60E-10	9.21E-10	1.88E-09	7.17E-10	4.71E-10	1.19E-09
1533	563617.2	4234069	6.52E-09	5.81E-09	1.23E-08	1.11E-09	9.32E-10	2.04E-09	5.26E-09	4.26E-09	9.52E-09	8.62E-10	8.27E-10	1.69E-09	6.43E-10	4.22E-10	1.07E-09
1534	563626.6	4234077	6.30E-09	5.62E-09	1.19E-08	1.07E-09	9.01E-10	1.97E-09	5.09E-09	4.12E-09	9.21E-09	8.33E-10	7.99E-10	1.63E-09	6.22E-10	4.08E-10	1.03E-09
1535	563636.1	4234085	6.10E-09	5.44E-09	1.15E-08	1.03E-09	8.72E-10	1.91E-09	4.92E-09	3.99E-09	8.91E-09	8.06E-10	7.74E-10	1.58E-09	6.02E-10	3.95E-10	9.97E-10
1536	563645.5	4234093	5.96E-09	5.32E-09	1.13E-08	1.01E-09	8.53E-10	1.86E-09	4.82E-09	3.90E-09	8.72E-09	7.89E-10	7.57E-10	1.55E-09	5.89E-10	3.87E-10	9.75E-10
1537	563655	4234101	5.78E-09	5.16E-09	1.09E-08	9.81E-10	8.27E-10	1.81E-09	4.67E-09	3.78E-09	8.45E-09	7.64E-10	7.34E-10	1.50E-09	5.71E-10	3.75E-10	9.46E-10
1538	563664.5	4234109	5.52E-09	4.92E-09	1.04E-08	9.36E-10	7.89E-10	1.73E-09	4.46E-09	3.61E-09	8.07E-09	7.30E-10	7.00E-10	1.43E-09	5.45E-10	3.58E-10	9.03E-10
1539	563673.9	4234116	5.24E-09	4.67E-09	9.91E-09	8.89E-10	7.49E-10	1.64E-09	4.23E-09	3.43E-09	7.66E-09	6.93E-10	6.65E-10	1.36E-09	5.17E-10	3.40E-10	8.57E-10
1540	563607.3	4234061	6.74E-09	6.01E-09	1.27E-08	1.14E-09	9.64E-10	2.11E-09	5.44E-09	4.41E-09	9.85E-09	8.91E-10	8.55E-10	1.75E-09	6.65E-10	4.37E-10	1.10E-09
1541	563214	4234603	1.57E-07	1.40E-07	2.97E-07	2.66E-08	2.25E-08	4.91E-08	1.27E-07	1.03E-07	2.30E-07	2.08E-08	1.99E-08	4.07E-08	1.55E-08	1.02E-08	2.57E-08
1542	563197.8	4234602	2.05E-07	1.83E-07	3.89E-07	3.49E-08	2.94E-08	6.42E-08	1.66E-07	1.34E-07	3.00E-07	2.72E-08	2.61E-08	5.32E-08	2.03E-08	1.33E-08	3.36E-08
1543	563214.9	4234593	1.42E-07	1.27E-07	2.68E-07	2.41E-08	2.03E-08	4.44E-08	1.15E-07	9.28E-08	2.07E-07	1.88E-08	1.80E-08	3.68E-08	1.40E-08	9.19E-09	2.32E-08

1544	563198.7	4234592	1.82E-07	1.63E-07	3.45E-07	3.10E-08	2.61E-08	5.70E-08	1.47E-07	1.19E-07	2.67E-07	2.41E-08	2.31E-08	4.73E-08	1.80E-08	1.18E-08	2.98E-08
1545	563215.8	4234583	1.29E-07	1.15E-07	2.45E-07	2.20E-08	1.85E-08	4.05E-08	1.05E-07	8.47E-08	1.89E-07	1.71E-08	1.64E-08	3.35E-08	1.28E-08	8.39E-09	2.12E-08
1546	563199.6	4234582	1.64E-07	1.46E-07	3.10E-07	2.78E-08	2.34E-08	5.12E-08	1.32E-07	1.07E-07	2.39E-07	2.16E-08	2.08E-08	4.24E-08	1.62E-08	1.06E-08	2.68E-08
1547	563216.6	4234573	1.19E-07	1.06E-07	2.25E-07	2.02E-08	1.70E-08	3.72E-08	9.61E-08	7.79E-08	1.74E-07	1.57E-08	1.51E-08	3.09E-08	1.18E-08	7.72E-09	1.95E-08
1548	563200.4	4234572	1.48E-07	1.32E-07	2.81E-07	2.52E-08	2.12E-08	4.64E-08	1.20E-07	9.70E-08	2.17E-07	1.96E-08	1.88E-08	3.84E-08	1.46E-08	9.61E-09	2.43E-08
1549	563217.5	4234563	1.10E-07	9.84E-08	2.09E-07	1.87E-08	1.58E-08	3.45E-08	8.90E-08	7.22E-08	1.61E-07	1.46E-08	1.40E-08	2.86E-08	1.09E-08	7.15E-09	1.80E-08
1550	563201.3	4234562	1.35E-07	1.21E-07	2.56E-07	2.30E-08	1.94E-08	4.23E-08	1.09E-07	8.86E-08	1.98E-07	1.79E-08	1.72E-08	3.51E-08	1.34E-08	8.77E-09	2.21E-08
1551	563218.3	4234553	1.03E-07	9.16E-08	1.94E-07	1.74E-08	1.47E-08	3.21E-08	8.29E-08	6.72E-08	1.50E-07	1.36E-08	1.30E-08	2.66E-08	1.01E-08	6.65E-09	1.68E-08
1552	563202.1	4234552	1.24E-07	1.11E-07	2.35E-07	2.11E-08	1.78E-08	3.89E-08	1.00E-07	8.13E-08	1.82E-07	1.64E-08	1.58E-08	3.22E-08	1.23E-08	8.06E-09	2.03E-08
1553	563260.8	4234556	6.01E-08	5.36E-08	1.14E-07	1.02E-08	8.60E-09	1.88E-08	4.85E-08	3.93E-08	8.79E-08	7.95E-09	7.63E-09	1.56E-08	5.94E-09	3.90E-09	9.83E-09
1554	563219.2	4234543	9.60E-08	8.56E-08	1.82E-07	1.63E-08	1.37E-08	3.00E-08	7.75E-08	6.28E-08	1.40E-07	1.27E-08	1.22E-08	2.49E-08	9.48E-09	6.22E-09	1.57E-08
1555	563203	4234542	1.15E-07	1.02E-07	2.17E-07	1.94E-08	1.64E-08	3.58E-08	9.25E-08	7.50E-08	1.68E-07	1.52E-08	1.45E-08	2.97E-08	1.13E-08	7.43E-09	1.87E-08
1556	563264.2	4234536	5.47E-08	4.88E-08	1.03E-07	9.28E-09	7.82E-09	1.71E-08	4.42E-08	3.58E-08	8.00E-08	7.23E-09	6.94E-09	1.42E-08	5.40E-09	3.54E-09	8.95E-09
1557	563220.9	4234523	8.48E-08	7.56E-08	1.60E-07	1.44E-08	1.21E-08	2.65E-08	6.85E-08	5.55E-08	1.24E-07	1.12E-08	1.08E-08	2.20E-08	8.37E-09	5.50E-09	1.39E-08
1558	563204.7	4234522	9.85E-08	8.78E-08	1.86E-07	1.67E-08	1.41E-08	3.08E-08	7.95E-08	6.44E-08	1.44E-07	1.30E-08	1.25E-08	2.55E-08	9.72E-09	6.38E-09	1.61E-08
1559	563267.2	4234517	4.99E-08	4.45E-08	9.44E-08	8.47E-09	7.14E-09	1.56E-08	4.03E-08	3.27E-08	7.29E-08	6.60E-09	6.33E-09	1.29E-08	4.93E-09	3.23E-09	8.16E-09
1560	563281.8	4234522	4.28E-08	3.81E-08	8.09E-08	7.25E-09	6.11E-09	1.34E-08	3.45E-08	2.80E-08	6.25E-08	5.65E-09	5.42E-09	1.11E-08	4.22E-09	2.77E-09	6.99E-09
1561	563222.7	4234503	7.47E-08	6.66E-08	1.41E-07	1.27E-08	1.07E-08	2.33E-08	6.03E-08	4.89E-08	1.09E-07	9.87E-09	9.47E-09	1.93E-08	7.37E-09	4.84E-09	1.22E-08
1562	563206.4	4234502	8.54E-08	7.61E-08	1.61E-07	1.45E-08	1.22E-08	2.67E-08	6.89E-08	5.59E-08	1.25E-07	1.13E-08	1.08E-08	2.21E-08	8.43E-09	5.53E-09	1.40E-08
1563	563255	4234492	5.27E-08	4.70E-08	9.96E-08	8.94E-09	7.53E-09	1.65E-08	4.25E-08	3.45E-08	7.70E-08	6.96E-09	6.68E-09	1.36E-08	5.20E-09	3.41E-09	8.61E-09
1564	563270	4234497	4.63E-08	4.13E-08	8.75E-08	7.85E-09	6.62E-09	1.45E-08	3.74E-08	3.03E-08	6.76E-08	6.12E-09	5.87E-09	1.20E-08	4.57E-09	3.00E-09	7.57E-09
1565	563285	4234503	3.99E-08	3.56E-08	7.55E-08	6.77E-09	5.71E-09	1.25E-08	3.22E-08	2.61E-08	5.83E-08	5.28E-09	5.06E-09	1.03E-08	3.94E-09	2.59E-09	6.53E-09
1566	563224.4	4234483	6.61E-08	5.90E-08	1.25E-07	1.12E-08	9.46E-09	2.07E-08	5.34E-08	4.33E-08	9.67E-08	8.75E-09	8.39E-09	1.71E-08	6.53E-09	4.29E-09	1.08E-08
1567	563208.2	4234482	7.47E-08	6.67E-08	1.41E-07	1.27E-08	1.07E-08	2.34E-08	6.03E-08	4.89E-08	1.09E-07	9.88E-09	9.48E-09	1.94E-08	7.38E-09	4.84E-09	1.22E-08
1568	563257.2	4234472	4.86E-08	4.34E-08	9.19E-08	8.25E-09	6.95E-09	1.52E-08	3.92E-08	3.18E-08	7.10E-08	6.43E-09	6.17E-09	1.26E-08	4.80E-09	3.15E-09	7.95E-09
1569	563272.6	4234478	4.32E-08	3.85E-08	8.17E-08	7.33E-09	6.18E-09	1.35E-08	3.49E-08	2.83E-08	6.32E-08	5.71E-09	5.48E-09	1.12E-08	4.27E-09	2.80E-09	7.07E-09
1570	563287.9	4234483	3.76E-08	3.35E-08	7.11E-08	6.38E-09	5.38E-09	1.18E-08	3.03E-08	2.46E-08	5.49E-08	4.97E-09	4.77E-09	9.74E-09	3.71E-09	2.44E-09	6.15E-09
1571	563303.3	4234488	3.25E-08	2.90E-08	6.15E-08	5.51E-09	4.65E-09	1.02E-08	2.62E-08	2.13E-08	4.75E-08	4.30E-09	4.12E-09	8.42E-09	3.21E-09	2.11E-09	5.31E-09
1572	563226.1	4234464	5.99E-08	5.34E-08	1.13E-07	1.02E-08	8.57E-09	1.87E-08	4.84E-08	3.92E-08	8.76E-08	7.92E-09	7.60E-09	1.55E-08	5.92E-09	3.88E-09	9.80E-09
1573	563209.9	4234462	6.67E-08	5.95E-08	1.26E-07	1.13E-08	9.54E-09	2.09E-08	5.39E-08	4.37E-08	9.75E-08	8.82E-09	8.47E-09	1.73E-08	6.59E-09	4.32E-09	1.09E-08
1574	563257.6	4234452	4.55E-08	4.06E-08	8.61E-08	7.72E-09	6.51E-09	1.42E-08	3.67E-08	2.98E-08	6.65E-08	6.02E-09	5.77E-09	1.18E-08	4.49E-09	2.95E-09	7.44E-09
1575	563272	4234457	4.14E-08	3.69E-08	7.83E-08	7.03E-09	5.92E-09	1.29E-08	3.34E-08	2.71E-08	6.05E-08	5.48E-09	5.25E-09	1.07E-08	4.09E-09	2.68E-09	6.77E-09
1576	563286.4	4234462	3.68E-08	3.28E-08	6.96E-08	6.24E-09	5.26E-09	1.15E-08	2.97E-08	2.41E-08	5.38E-08	4.87E-09	4.67E-09	9.53E-09	3.63E-09	2.38E-09	6.02E-09
1577	563300.9	4234467	3.25E-08	2.90E-08	6.14E-08	5.51E-09	4.64E-09	1.01E-08	2.62E-08	2.12E-08	4.74E-08	4.29E-09	4.12E-09	8.41E-09	3.21E-09	2.10E-09	5.31E-09
1578	563315.3	4234472	2.87E-08	2.56E-08	5.43E-08	4.87E-09	4.10E-09	8.97E-09	2.32E-08	1.88E-08	4.19E-08	3.79E-09	3.64E-09	7.43E-09	2.83E-09	1.86E-09	4.69E-09
1579	563227.8	4234444	5.40E-08	4.82E-08	1.02E-07	9.16E-09	7.72E-09	1.69E-08	4.36E-08	3.53E-08	7.90E-08	7.14E-09	6.85E-09	1.40E-08	5.33E-09	3.50E-09	8.83E-09
1580	563211.6	4234442	5.95E-08	5.31E-08	1.13E-07	1.01E-08	8.51E-09	1.86E-08	4.81E-08	3.90E-08	8.70E-08	7.87E-09	7.55E-09	1.54E-08	5.88E-09	3.86E-09	9.74E-09
1581	563259.7	4234432	4.17E-08	3.72E-08	7.89E-08	7.07E-09	5.96E-09	1.30E-08	3.37E-08	2.73E-08	6.09E-08	5.51E-09	5.29E-09	1.08E-08	4.12E-09	2.70E-09	6.82E-09
1582	563274.5	4234437	3.82E-08	3.41E-08	7.23E-08	6.49E-09	5.47E-09	1.20E-08	3.09E-08	2.50E-08	5.59E-08	5.05E-09	4.85E-09	9.90E-09	3.77E-09	2.48E-09	6.25E-09
1583	563289.2	4234442	3.45E-08	3.08E-08	6.53E-08	5.85E-09	4.93E-09	1.08E-08	2.79E-08	2.26E-08	5.04E-08	4.56E-09	4.38E-09	8.94E-09	3.41E-09	2.24E-09	5.64E-09
1584	563304	4234448	3.08E-08	2.75E-08	5.82E-08	5.22E-09	4.40E-09	9.63E-09	2.49E-08	2.01E-08	4.50E-08	4.07E-09	3.91E-09	7.98E-09	3.04E-09	2.00E-09	5.04E-09
1585	563318.7	4234453	2.74E-08	2.45E-08	5.19E-08	4.66E-09	3.93E-09	8.58E-09	2.22E-08	1.80E-08	4.01E-08	3.63E-09	3.48E-09	7.11E-09	2.71E-09	1.78E-09	4.49E-09
1586	563229.5	4234424	4.88E-08	4.36E-08	9.24E-08	8.28E-09	6.98E-09	1.53E-08	3.94E-08	3.19E-08	7.14E-08	6.46E-09	6.19E-09	1.27E-08	4.82E-09	3.16E-09	7.99E-09
1587	563213.3	4234422	5.34E-08	4.76E-08	1.01E-07	9.06E-09	7.63E-09	1.67E-08	4.31E-08	3.49E-08	7.80E-08	7.06E-09	6.77E-09	1.38E-08	5.27E-09	3.46E-09	8.73E-09
1588	563261.9	4234412	3.87E-08	3.45E-08	7.32E-08	6.57E-09	5.54E-09	1.21E-08	3.13E-08	2.53E-08	5.66E-08	5.12E-09	4.91E-09	1.00E-08	3.82E-09	2.51E-09	6.33E-09
1589	563276.9	4234418	3.56E-08	3.18E-08	6.74E-08	6.04E-09	5.09E-09	1.11E-08	2.88E-08	2.33E-08	5.21E-08	4.71E-09	4.52E-09	9.23E-09	3.52E-09	2.31E-09	5.83E-09
1590	563291.9	4234423	3.24E-08	2.89E-08	6.14E-08	5.51E-09	4.64E-09	1.01E-08	2.62E-08	2.12E-08	4.74E-08	4.29E-09	4.12E-09	8.41E-09	3.20E-09	2.10E-09	5.31E-09
1591	563306.9	4234428	2.94E-08	2.62E-08	5.55E-08	4.98E-09	4.20E-09	9.18E-09	2.37E-08	1.92E-08	4.29E-08	3.88E-09	3.73E-09	7.61E-09	2.90E-09	1.90E-09	4.80E-09
1592	563321.9	4234433	2.65E-08	2.36E-08	5.01E-08	4.50E-09	3.79E-09	8.29E-09	2.14E-08	1.73E-08	3.87E-08	3.51E-09	3.36E-09	6.87E-09	2.62E-09	1.72E-09	4.34E-09
1593	563336.9	4234439	2.37E-08	2.12E-08	4.49E-08	4.02E-09	3.39E-09	7.42E-09	1.92E-08	1.55E-08	3.47E-08	3.14E-09	3.01E-09	6.15E-09	2.34E-09	1.54E-09	3.88E-09
1594	563215.1	4234402	4.87E-08	4.34E-08	9.21E-08	8.26E-09	6.96E-09	1.52E-08	3.93E-08	3.19E-08	7.12E-08	6.44E-09	6.18E-09	1.26E-08	4.81E-09	3.16E-09	7.96E-09
1595	563263.9	4234393	3.62E-08	3.23E-08	6.85E-08	6.14E-09	5.17E-09	1.13E-08	2.92E-08	2.37E-08	5.29E-08	4.78E-09	4.59E-09	9.38E-09	3.57E-09	2.34E-09	5.92E-09
1596	563279.2	4234398	3.35E-08	2.99E-08	6.34E-08	5.68E-09	4.79E-09	1.05E-08	2.70E-08	2.19E-08	4.90E-08	4.43E-09	4.25E-09	8.68E-09	3.31E-09	2.17E-09	5.48E-09
1597	563294.4	4234403	3.07E-08	2.74E-08	5.81E-08	5.21E-09	4.39E-09	9.61E-09	2.48E-08	2.01E-08	4.49E-08	4.06E-09	3.90E-09	7.96E-09	3.03E-09	1.99E-09	5.02E-09
1598	563309.7	4234409	2.80E-08	2.50E-08	5.29E-08	4.75E-09	4.00E-09	8.75E-09	2.26E-08	1.83E-08	4.09E-08	3.70E-09	3.55E-09	7.25E-09	2.76E-09	1.81E-09	4.57E-09
1599	563324.9	4234414	2.54E-08	2.27E-08	4.81E-08	4.31E-09	3.63E-09	7.95E-09	2.05E-08	1.66E-08	3.72E-08	3.36E-09	3.22E-09	6.59E-09	2.51E-09	1.65E-09	4.16E-09
1600	563340.2	4234419	2.30E-08	2.05E-08	4.35E-08	3.90E-09	3.29E-09	7.19E-09	1.86E-08	1.51E-08	3.36E-08	3.04E-09	2.92E-09	5.96E-09	2.27E-09	1.49E-09	3.76E-09
1601	563216.8	4234382	4.46E-08	3.98E-08	8.45E-08	7.58E-09	6.39E-09	1.40E-08	3.61E-08	2.92E-08	6.53E-08	5.90E-09	5.67E-09	1.16E-08	4.41E-09	2.89E-09	7.30E-09
1602	563264.7	4234372	3.41E-08	3.04E-08	6.45E-08	5.79E-09	4.88E-09	1.07E-08	2.75E-08	2.23E-08	4.99E-08	4.51E-09	4.33E-09	8.84E-09	3.37E-09	2.21E-09	5.58E-09
1603	563279.3	4234377	3.19E-08	2.85E-08	6.04E-08	5.41E-09	4.56E-09	9.98E-09	2.58E-08	2.09E-08	4.66E-08	4.22E-09	4.05E-09	8.27E-09	3.15E-09	2.07E-09	5.22E-09
1604	563293.9	4234383	2.96E-08	2.64E-08	5.60E-08	5.02E-09	4.23E-09	9.26E-09	2.39E-08	1.94E-08	4.33E-08	3.92E-09	3.76E-09	7.67E-09	2.92E-09	1.92E-09	4.84E-09
1605	563308.5	4234388	2.73E-08	2.43E-08	5.16E-08	4.63E-09	3.90E-09	8.53E-09	2.20E-08	1.78E-08	3.99E-08	3.61E-09	3.46E-09	7.06E-09	2.69E-09	1.77E-09	4.46E-09
1606	563323.1	4234393	2.49E-08	2.22E-08	4.72E-08	4.23E-09	3.57E-09	7.80E-09	2.01E-08	1.63E-08	3.65E-08	3.30E-09	3.16E-09	6.46E-09	2.46E-09	1.62E-09	4.08E-09
1607	563337.6	4234398	2.28E-08	2.03E-08	4.31E-08	3.86E-09	3.26E-09	7.12E-09	1.84E-08	1.49E-08	3.33E-08	3.01E-09	2.89E-09	5.90E-09	2.25E-09	1.48E-09	3.72E-09
1608	563352.2	4234403	2.08E-08	1.86E-08	3.94E-08	3.54E-09	2.98E-09	6.52E-09	1.68E-08	1.36E-08	3.05E-08	2.76E-09	2.65E-09	5.40E-09	2.06E-09	1.35E-09	3.41E-09
1609	563218.5	4234363	4.11E-08	3.67E-08	7.78E-08	6.98E-09	5.88E-09	1.29E-08	3.32E-08	2.69E-08	6.01E-08	5.44E-09	5.22E-09	1.07E-08	4.06E-09	2.67E-09	6.73E-09
1610	563266.7	4234352	3.20E-08	2.86E-08	6.06E-08	5.43E-09	4.58E-09	1.00E-08	2.58E-08	2.10E-08	4.68E-08	4.23E-09	4.06E-09	8.30E-09	3.16E-09	2.07E-09	5.24E-09
1611	563281.6	4234358	3.01E-08	2.68E-08	5.69E-08	5.11E-09	4.30E-09	9.41E-09	2.43E-08	1.97E-08	4.40E-08	3.98E-09	3.82E-09	7.80E-09	2.97E-09	1.95E-09	4.92E-09
1612	563296.4	4234363	2.81E-08	2.50E-08	5.31E-08	4.76E-09	4.01E-09	8.77E-09	2.27E-08	1.84E-08	4.10E-08	3.71E-09	3.56E-09	7.27E-09	2.77E-09	1.82E-09	4.59E-09
1613	563311.2	4234368	2.60E-08	2.32E-08	4.91E-08	4.41E-09	3.71E-09	8.12E-09	2.10E-08	1.70E-08	3.80E-08	3.43E-09	3.30E-09	6.73E-09	2.56E-09	1.68E-09	4.25E-09
1614	563326	4234373	2.39E-08	2.13E-08	4.52E-08	4.05E-09	3.41E-09	7.46E-09	1.93E-08	1.56E-08	3.49E-08	3.16E-09	3.03E-09	6.19E-09	2.36E-09	1.55E-09	3.90E-09
1615	563340.8	4234378	2.19E-08	1.96E-08	4.15E-08	3.72E-09	3.14E-09	6.86E-09	1.77E-08	1.44E-08	3.21E-08	2.90E-09	2.78E-09	5.68E-09	2.17E-09	1.42E-09	3.59E-09
1616	563355.6	4234384	2.02E-08	1.80E-08	3.82E-08	3.43E-09	2.89E-09	6.31E-09	1.63E-08	1.32E-08	2.95E-08	2.67E-09	2.56E-09	5.23E-09	1.99E-09	1.31E-09	3.30E-09
1617	563370.4	4234389	1.84E-08	1.64E-08	3.49E-08	3.13E-09	2.64E-09	5.76E-09	1.49E-08	1.21E-08	2.69E-08	2.44E-09	2.34E-09	4.77E-09	1.82E-09	1.19E-09	3.01E-09
1618	563220.2	4234343	3.80E-08	3.39E-08	7.20E-08	6.46E-09	5.44E-09	1.19E-08	3.07E-08	2.49E-08	5.56E-08	5.03E-09	4.83E-09	9.86E-09	3.76E-09	2.47E-09	6.22E-09
1619	563270.7	4234313	2.84E-08	2.53E-08	5.38E-08	4.82E-09	4.06E-09	8.88E-09	2.29E-08	1.86E-08	4.15E-08	3.76E-09	3.60E-09	7.36E-09	2.81E-09	1.84E-09	4.65E-09
1620	563285.9	4234318	2.71E-08	2.42E-08	5.12E-08	4.60E-09	3.87E-09	8.47E-09	2.19E-08	1.77E-08	3.96E-08	3.58E-09	3.44E-09	7.02E-09	2.67E-09	1.76E-09	4.43E-09
1621	563301.1	4234323	2.56E-08	2.28E-08	4.84E-08	4.34E-09	3.66E-09	7.99E-09	2.06E-08	1.67E-08	3.74E-08	3.38E-09	3.24E-09	6.62E-09	2.52E-09	1.66E-09	4.18E-09
1622	563316.3	4234329	2.40E-08	2.14E-08	4.53E-08	4.07E-09	3.43E-09	7.49E-09	1.93E-08	1.57E-08	3.50E-08	3.17E-09	3.04E-09	6.21E-09	2.37E-09	1.55E-09	3.92E-09
1623	563331.5	4234334	2.24E-08	2.00E-08	4.25E-08	3.81E-09	3.21E-09	7.02E-09	1.81E-08	1.47E-08	3.28E-08	2.97E-09	2.85E-09	5.82E-09	2.22E-09	1.45E-09	3.67E-09
1624	563346.7	4234339	2.07E-08	1.85E-08	3.92E-08	3.51E-09	2.96E-09	6.48E-09	1.67E-08	1.36E-08	3.03E-08	2.74E-09	2.63E-09	5.37E-09	2.05E-09	1.34E-09	3.39E-09
1625	563361.9	4234345	1.90E-08	1.70E-08	3.60E-08	3.23E-09	2.72E-09	5.96E-09	1.54E-08	1.25E-08	2.78E-08	2.52E-09	2.42E-09	4.94E-09	1.88E-09	1.23E-09	3.12E-09
1626	563377.1	4234350	1.76E-08	1.57E-08	3.32E-08	2.98E-09	2.51E-09	5.49E-09	1.42E-08	1.15E-08	2.57E-08	2.32E-09	2.23E-09	4.55E-09	1.73E-09	1.14E-09	2.87E-09
1627	563392.2	4234355	1.61E-08	1.43E-08	3.04E-08	2.72E-09	2.30E-09	5.02E-09	1.30E-08	1.05E-08	2.35E-08	2.12E-09	2.04E-09	4.16E-09	1.59E-09	1.04E-09	2.63E-09
1628	563223.7	4234303	3.29E-08	2.94E-08	6.23E-08	5.58E-09	4.71E-09	1.03E-08	2.66E-08	2.15E-08	4.81E-08	4.35E-09	4.18E-09	8.53E-09	3.25E-09	2.13E-09	5.38E-09
1629	563258.8	4234268	2.66E-08	2.38E-08	5.04E-08	4.52E-09	3.81E-09	8.33E-09	2.15E-08	1.74E-08	3.89E-08	3.52E-09	3.38E-09	6.90E-09	2.63E-09	1.73E-09	4.36E-09
1630	563273.7	4234273	2.55E-08	2.28E-08	4.83E-08	4.33E-09	3.65E-09	7.99E-09	2.06E-08	1.67E-08	3.73E-08	3.38E-09	3.24E-09	6.62E-09	2.52E-09	1.66E-09	4.18E-09
1631	563288.5	4234278	2.47E-08	2.20E-08	4.67E-08	4.19E-09	3.53E-09	7.72E-09	1.99E-08	1.62E-08	3.61E-08	3.26E-09	3.13E-09	6.40E-09	2.44E-09	1.60E-09	4.04E-09
1632	563303.4	4234283	2.38E-08	2.12E-08	4.50E-08	4.03E-09	3.40E-09	7.43E-09	1.92E-08	1.56E-08	3.48E-08	3.14E-09	3.02E-09	6.16E-09	2.35E-09	1.54E-09	3.89E-09
1633	563318.2	4234288	2.27E-08	2.02E-08	4.29E-08	3.84E-09	3.24E-09	7.08E-09	1.83E-08	1.48E-08	3.31E-08	3.00E-09	2.87E-09	5.87E-09	2.24E-09	1.47E-09	3.71E-09
1634	563333.1	4234294	2.13E-08	1.90E-08	4.04E-08	3.62E-09	3.05E-09	6.67E-09	1.72E-08	1.40E-08	3.12E-08	2.82E-09	2.71E-09	5.53E-09	2.11E-09	1.38E-09	3.49E-09

1635	563347.9	4234299	2.01E-08	1.79E-08	3.79E-08	3.40E-09	2.87E-09	6.27E-09	1.62E-08	1.31E-08	2.93E-08	2.65E-09	2.54E-09	5.20E-09	1.98E-09	1.30E-09	3.28E-09
1636	563362.8	4234304	1.89E-08	1.68E-08	3.57E-08	3.20E-09	2.70E-09	5.91E-09	1.53E-08	1.24E-08	2.76E-08	2.50E-09	2.40E-09	4.89E-09	1.87E-09	1.22E-09	3.09E-09
1637	563377.7	4234309	1.75E-08	1.56E-08	3.31E-08	2.97E-09	2.50E-09	5.47E-09	1.41E-08	1.14E-08	2.56E-08	2.31E-09	2.22E-09	4.53E-09	1.73E-09	1.13E-09	2.86E-09
1638	563392.5	4234314	1.62E-08	1.44E-08	3.06E-08	2.75E-09	2.31E-09	5.06E-09	1.31E-08	1.06E-08	2.37E-08	2.14E-09	2.05E-09	4.19E-09	1.60E-09	1.05E-09	2.65E-09
1639	563407.4	4234320	1.49E-08	1.33E-08	2.82E-08	2.53E-09	2.13E-09	4.66E-09	1.20E-08	9.76E-09	2.18E-08	1.97E-09	1.89E-09	3.87E-09	1.47E-09	9.67E-10	2.44E-09
1640	563227.1	4234263	2.89E-08	2.58E-08	5.48E-08	4.91E-09	4.14E-09	9.05E-09	2.34E-08	1.89E-08	4.23E-08	3.83E-09	3.67E-09	7.50E-09	2.86E-09	1.88E-09	4.73E-09
1641	563262.4	4234228	2.43E-08	2.17E-08	4.60E-08	4.12E-09	3.47E-09	7.60E-09	1.96E-08	1.59E-08	3.55E-08	3.21E-09	3.08E-09	6.30E-09	2.40E-09	1.57E-09	3.97E-09
1642	563277.6	4234233	2.35E-08	2.10E-08	4.45E-08	3.99E-09	3.36E-09	7.36E-09	1.90E-08	1.54E-08	3.44E-08	3.11E-09	2.99E-09	6.10E-09	2.32E-09	1.52E-09	3.85E-09
1643	563292.7	4234238	2.26E-08	2.02E-08	4.29E-08	3.84E-09	3.24E-09	7.08E-09	1.83E-08	1.48E-08	3.31E-08	3.00E-09	2.87E-09	5.87E-09	2.24E-09	1.47E-09	3.70E-09
1644	563307.9	4234244	2.18E-08	1.94E-08	4.12E-08	3.69E-09	3.11E-09	6.80E-09	1.76E-08	1.42E-08	3.18E-08	2.88E-09	2.76E-09	5.64E-09	2.15E-09	1.41E-09	3.56E-09
1645	563323	4234249	2.10E-08	1.87E-08	3.97E-08	3.56E-09	3.00E-09	6.57E-09	1.70E-08	1.37E-08	3.07E-08	2.78E-09	2.66E-09	5.44E-09	2.07E-09	1.36E-09	3.44E-09
1646	563338.2	4234254	2.01E-08	1.79E-08	3.80E-08	3.41E-09	2.87E-09	6.28E-09	1.62E-08	1.31E-08	2.93E-08	2.65E-09	2.55E-09	5.20E-09	1.98E-09	1.30E-09	3.28E-09
1647	563353.3	4234260	1.89E-08	1.68E-08	3.57E-08	3.20E-09	2.70E-09	5.90E-09	1.52E-08	1.24E-08	2.76E-08	2.50E-09	2.40E-09	4.89E-09	1.86E-09	1.22E-09	3.09E-09
1648	563368.5	4234265	1.77E-08	1.58E-08	3.34E-08	3.00E-09	2.53E-09	5.53E-09	1.43E-08	1.16E-08	2.58E-08	2.34E-09	2.24E-09	4.58E-09	1.75E-09	1.15E-09	2.89E-09
1649	563383.6	4234270	1.65E-08	1.47E-08	3.12E-08	2.80E-09	2.36E-09	5.16E-09	1.33E-08	1.08E-08	2.41E-08	2.18E-09	2.09E-09	4.27E-09	1.63E-09	1.07E-09	2.70E-09
1650	563398.8	4234276	1.53E-08	1.37E-08	2.90E-08	2.60E-09	2.19E-09	4.80E-09	1.24E-08	1.00E-08	2.24E-08	2.03E-09	1.95E-09	3.98E-09	1.52E-09	9.94E-10	2.51E-09
1651	563414	4234281	1.42E-08	1.27E-08	2.69E-08	2.42E-09	2.04E-09	4.45E-09	1.15E-08	9.32E-09	2.08E-08	1.88E-09	1.81E-09	3.69E-09	1.41E-09	9.23E-10	2.33E-09
1652	563429.1	4234286	1.32E-08	1.18E-08	2.49E-08	2.24E-09	1.88E-09	4.12E-09	1.06E-08	8.62E-09	1.93E-08	1.74E-09	1.67E-09	3.42E-09	1.30E-09	8.54E-10	2.16E-09
1653	563230.5	4234223	2.60E-08	2.32E-08	4.93E-08	4.42E-09	3.72E-09	8.14E-09	2.10E-08	1.70E-08	3.81E-08	3.44E-09	3.30E-09	6.75E-09	2.57E-09	1.69E-09	4.26E-09
1654	563265.7	4234188	2.19E-08	1.95E-08	4.15E-08	3.72E-09	3.13E-09	6.85E-09	1.77E-08	1.43E-08	3.20E-08	2.90E-09	2.78E-09	5.68E-09	2.16E-09	1.42E-09	3.58E-09
1655	563280.6	4234193	2.14E-08	1.91E-08	4.06E-08	3.64E-09	3.07E-09	6.71E-09	1.73E-08	1.40E-08	3.13E-08	2.84E-09	2.72E-09	5.56E-09	2.12E-09	1.39E-09	3.51E-09
1656	563295.5	4234198	2.09E-08	1.87E-08	3.96E-08	3.55E-09	2.99E-09	6.54E-09	1.69E-08	1.37E-08	3.06E-08	2.77E-09	2.66E-09	5.42E-09	2.07E-09	1.36E-09	3.42E-09
1657	563310.4	4234204	2.02E-08	1.81E-08	3.83E-08	3.43E-09	2.89E-09	6.33E-09	1.63E-08	1.32E-08	2.96E-08	2.68E-09	2.57E-09	5.25E-09	2.00E-09	1.31E-09	3.31E-09
1658	563325.2	4234209	1.95E-08	1.74E-08	3.70E-08	3.32E-09	2.79E-09	6.11E-09	1.58E-08	1.28E-08	2.86E-08	2.58E-09	2.48E-09	5.06E-09	1.93E-09	1.27E-09	3.20E-09
1659	563340.1	4234214	1.88E-08	1.67E-08	3.55E-08	3.18E-09	2.68E-09	5.86E-09	1.51E-08	1.23E-08	2.74E-08	2.48E-09	2.38E-09	4.86E-09	1.85E-09	1.22E-09	3.07E-09
1660	563355	4234219	1.78E-08	1.59E-08	3.37E-08	3.02E-09	2.54E-09	5.56E-09	1.44E-08	1.16E-08	2.60E-08	2.35E-09	2.26E-09	4.61E-09	1.76E-09	1.15E-09	2.91E-09
1661	563369.9	4234224	1.68E-08	1.50E-08	3.18E-08	2.85E-09	2.40E-09	5.26E-09	1.36E-08	1.10E-08	2.46E-08	2.22E-09	2.13E-09	4.36E-09	1.66E-09	1.09E-09	2.75E-09
1662	563384.8	4234230	1.58E-08	1.41E-08	2.99E-08	2.69E-09	2.26E-09	4.95E-09	1.28E-08	1.04E-08	2.31E-08	2.09E-09	2.01E-09	4.10E-09	1.56E-09	1.03E-09	2.59E-09
1663	563399.6	4234235	1.49E-08	1.33E-08	2.81E-08	2.52E-09	2.13E-09	4.65E-09	1.20E-08	9.72E-09	2.17E-08	1.97E-09	1.89E-09	3.85E-09	1.47E-09	9.63E-10	2.43E-09
1664	563414.5	4234240	1.39E-08	1.24E-08	2.63E-08	2.36E-09	1.99E-09	4.35E-09	1.12E-08	9.11E-09	2.03E-08	1.84E-09	1.77E-09	3.61E-09	1.37E-09	9.02E-10	2.28E-09
1665	563429.4	4234245	1.30E-08	1.16E-08	2.46E-08	2.21E-09	1.86E-09	4.07E-09	1.05E-08	8.51E-09	1.90E-08	1.72E-09	1.65E-09	3.37E-09	1.28E-09	8.43E-10	2.13E-09
1666	563269.3	4234148	1.99E-08	1.77E-08	3.76E-08	3.37E-09	2.84E-09	6.21E-09	1.60E-08	1.30E-08	2.90E-08	2.63E-09	2.52E-09	5.15E-09	1.96E-09	1.29E-09	3.25E-09
1667	563284.4	4234153	1.94E-08	1.73E-08	3.67E-08	3.30E-09	2.78E-09	6.07E-09	1.57E-08	1.27E-08	2.84E-08	2.57E-09	2.46E-09	5.03E-09	1.92E-09	1.26E-09	3.18E-09
1668	563299.6	4234159	1.89E-08	1.69E-08	3.58E-08	3.21E-09	2.71E-09	5.92E-09	1.53E-08	1.24E-08	2.77E-08	2.50E-09	2.40E-09	4.91E-09	1.87E-09	1.23E-09	3.10E-09
1669	563314.7	4234164	1.86E-08	1.66E-08	3.51E-08	3.15E-09	2.65E-09	5.80E-09	1.50E-08	1.21E-08	2.71E-08	2.46E-09	2.36E-09	4.81E-09	1.83E-09	1.20E-09	3.04E-09
1670	563329.8	4234169	1.81E-08	1.61E-08	3.42E-08	3.07E-09	2.59E-09	5.66E-09	1.46E-08	1.18E-08	2.64E-08	2.39E-09	2.30E-09	4.69E-09	1.79E-09	1.17E-09	2.96E-09
1671	563344.9	4234175	1.74E-08	1.55E-08	3.29E-08	2.95E-09	2.48E-09	5.43E-09	1.40E-08	1.14E-08	2.54E-08	2.30E-09	2.20E-09	4.50E-09	1.71E-09	1.13E-09	2.84E-09
1672	563360.1	4234180	1.66E-08	1.48E-08	3.13E-08	2.81E-09	2.37E-09	5.18E-09	1.34E-08	1.08E-08	2.42E-08	2.19E-09	2.10E-09	4.29E-09	1.63E-09	1.07E-09	2.71E-09
1673	563375.2	4234185	1.57E-08	1.40E-08	2.97E-08	2.67E-09	2.25E-09	4.91E-09	1.27E-08	1.03E-08	2.30E-08	2.08E-09	1.99E-09	4.07E-09	1.55E-09	1.02E-09	2.57E-09
1674	563390.3	4234191	1.49E-08	1.33E-08	2.81E-08	2.52E-09	2.13E-09	4.65E-09	1.20E-08	9.73E-09	2.17E-08	1.97E-09	1.89E-09	3.85E-09	1.47E-09	9.64E-10	2.43E-09
1675	563405.5	4234196	1.39E-08	1.24E-08	2.63E-08	2.36E-09	1.99E-09	4.35E-09	1.12E-08	9.11E-09	2.03E-08	1.84E-09	1.77E-09	3.61E-09	1.37E-09	9.02E-10	2.28E-09
1676	563420.6	4234201	1.30E-08	1.16E-08	2.46E-08	2.21E-09	1.86E-09	4.07E-09	1.05E-08	8.52E-09	1.90E-08	1.72E-09	1.65E-09	3.38E-09	1.29E-09	8.44E-10	2.13E-09
1677	563481.1	4234222	9.93E-09	8.86E-09	1.88E-08	1.68E-09	1.42E-09	3.10E-09	8.02E-09	6.50E-09	1.45E-08	1.31E-09	1.26E-09	2.57E-09	9.80E-10	6.43E-10	1.62E-09
1678	563272.9	4234108	1.78E-08	1.59E-08	3.38E-08	3.03E-09	2.55E-09	5.58E-09	1.44E-08	1.17E-08	2.61E-08	2.36E-09	2.26E-09	4.62E-09	1.76E-09	1.16E-09	2.92E-09
1679	563288.2	4234114	1.76E-08	1.57E-08	3.33E-08	2.98E-09	2.51E-09	5.50E-09	1.42E-08	1.15E-08	2.57E-08	2.32E-09	2.23E-09	4.56E-09	1.74E-09	1.14E-09	2.88E-09
1680	563303.6	4234119	1.72E-08	1.54E-08	3.26E-08	2.93E-09	2.47E-09	5.39E-09	1.39E-08	1.13E-08	2.52E-08	2.28E-09	2.19E-09	4.47E-09	1.70E-09	1.12E-09	2.82E-09
1681	563318.9	4234124	1.68E-08	1.50E-08	3.19E-08	2.86E-09	2.41E-09	5.27E-09	1.36E-08	1.10E-08	2.46E-08	2.23E-09	2.14E-09	4.36E-09	1.66E-09	1.09E-09	2.75E-09
1682	563334.3	4234130	1.63E-08	1.46E-08	3.09E-08	2.77E-09	2.34E-09	5.11E-09	1.32E-08	1.07E-08	2.39E-08	2.16E-09	2.07E-09	4.24E-09	1.61E-09	1.06E-09	2.67E-09
1683	563349.6	4234135	1.60E-08	1.42E-08	3.02E-08	2.71E-09	2.28E-09	4.99E-09	1.29E-08	1.04E-08	2.33E-08	2.11E-09	2.03E-09	4.14E-09	1.58E-09	1.03E-09	2.61E-09
1684	563365	4234141	1.54E-08	1.38E-08	2.92E-08	2.62E-09	2.21E-09	4.82E-09	1.25E-08	1.01E-08	2.25E-08	2.04E-09	1.96E-09	4.00E-09	1.52E-09	1.00E-09	2.52E-09
1685	563380.3	4234146	1.46E-08	1.31E-08	2.77E-08	2.48E-09	2.09E-09	4.58E-09	1.18E-08	9.58E-09	2.14E-08	1.94E-09	1.86E-09	3.79E-09	1.45E-09	9.49E-10	2.39E-09
1686	563395.6	4234151	1.39E-08	1.24E-08	2.63E-08	2.36E-09	1.99E-09	4.35E-09	1.12E-08	9.10E-09	2.03E-08	1.84E-09	1.76E-09	3.60E-09	1.37E-09	9.01E-10	2.27E-09
1687	563411	4234157	1.30E-08	1.16E-08	2.47E-08	2.21E-09	1.86E-09	4.08E-09	1.05E-08	8.53E-09	1.91E-08	1.72E-09	1.65E-09	3.38E-09	1.29E-09	8.45E-10	2.13E-09
1688	563472.4	4234178	1.02E-08	9.12E-09	1.94E-08	1.74E-09	1.46E-09	3.20E-09	8.26E-09	6.69E-09	1.50E-08	1.35E-09	1.30E-09	2.65E-09	1.01E-09	6.63E-10	1.67E-09
1689	563487.7	4234184	9.61E-09	8.58E-09	1.82E-08	1.63E-09	1.37E-09	3.01E-09	7.76E-09	6.29E-09	1.41E-08	1.27E-09	1.22E-09	2.49E-09	9.49E-10	6.23E-10	1.57E-09
1690	563503.1	4234189	9.13E-09	8.14E-09	1.73E-08	1.55E-09	1.31E-09	2.85E-09	7.37E-09	5.97E-09	1.33E-08	1.21E-09	1.16E-09	2.37E-09	9.02E-10	5.92E-10	1.49E-09
1691	563276.2	4234068	1.62E-08	1.45E-08	3.07E-08	2.75E-09	2.32E-09	5.07E-09	1.31E-08	1.06E-08	2.37E-08	2.14E-09	2.06E-09	4.20E-09	1.60E-09	1.05E-09	2.65E-09
1692	563291.3	4234074	1.59E-08	1.42E-08	3.02E-08	2.71E-09	2.28E-09	4.99E-09	1.29E-08	1.04E-08	2.33E-08	2.11E-09	2.02E-09	4.13E-09	1.58E-09	1.03E-09	2.61E-09
1693	563306.4	4234079	1.57E-08	1.40E-08	2.96E-08	2.66E-09	2.24E-09	4.90E-09	1.26E-08	1.02E-08	2.29E-08	2.07E-09	1.99E-09	4.06E-09	1.55E-09	1.02E-09	2.56E-09
1694	563321.5	4234084	1.55E-08	1.38E-08	2.93E-08	2.62E-09	2.21E-09	4.84E-09	1.25E-08	1.01E-08	2.26E-08	2.05E-09	1.96E-09	4.01E-09	1.53E-09	1.00E-09	2.53E-09
1695	563336.6	4234090	1.52E-08	1.35E-08	2.87E-08	2.58E-09	2.17E-09	4.75E-09	1.23E-08	9.93E-09	2.22E-08	2.01E-09	1.93E-09	3.93E-09	1.50E-09	9.84E-10	2.48E-09
1696	563351.7	4234095	1.47E-08	1.31E-08	2.78E-08	2.49E-09	2.10E-09	4.59E-09	1.18E-08	9.60E-09	2.14E-08	1.94E-09	1.86E-09	3.80E-09	1.45E-09	9.51E-10	2.40E-09
1697	563366.9	4234100	1.42E-08	1.26E-08	2.68E-08	2.40E-09	2.03E-09	4.43E-09	1.14E-08	9.27E-09	2.07E-08	1.87E-09	1.80E-09	3.67E-09	1.40E-09	9.18E-10	2.32E-09
1698	563382	4234105	1.36E-08	1.21E-08	2.57E-08	2.30E-09	1.94E-09	4.25E-09	1.10E-08	8.89E-09	1.99E-08	1.80E-09	1.72E-09	3.52E-09	1.34E-09	8.80E-10	2.22E-09
1699	563397.1	4234111	1.29E-08	1.15E-08	2.45E-08	2.20E-09	1.85E-09	4.05E-09	1.05E-08	8.47E-09	1.89E-08	1.71E-09	1.64E-09	3.35E-09	1.28E-09	8.39E-10	2.12E-09
1700	563412.2	4234116	1.23E-08	1.10E-08	2.34E-08	2.10E-09	1.77E-09	3.86E-09	9.97E-09	8.08E-09	1.81E-08	1.63E-09	1.57E-09	3.20E-09	1.22E-09	8.00E-10	2.02E-09
1701	563472.6	4234137	1.01E-08	8.99E-09	1.91E-08	1.71E-09	1.44E-09	3.15E-09	8.14E-09	6.60E-09	1.47E-08	1.33E-09	1.28E-09	2.61E-09	9.96E-10	6.53E-10	1.65E-09
1702	563487.8	4234143	9.63E-09	8.59E-09	1.82E-08	1.63E-09	1.38E-09	3.01E-09	7.78E-09	6.30E-09	1.41E-08	1.27E-09	1.22E-09	2.50E-09	9.51E-10	6.24E-10	1.58E-09
1703	563502.9	4234148	9.17E-09	8.18E-09	1.73E-08	1.56E-09	1.31E-09	2.87E-09	7.40E-09	6.00E-09	1.34E-08	1.21E-09	1.16E-09	2.38E-09	9.05E-10	5.94E-10	1.50E-09
1704	563518	4234153	8.71E-09	7.77E-09	1.65E-08	1.48E-09	1.24E-09	2.72E-09	7.03E-09	5.70E-09	1.27E-08	1.15E-09	1.10E-09	2.26E-09	8.60E-10	5.64E-10	1.42E-09
1705	563260.5	4234065	1.65E-08	1.47E-08	3.12E-08	2.80E-09	2.36E-09	5.16E-09	1.33E-08	1.08E-08	2.41E-08	2.18E-09	2.09E-09	4.28E-09	1.63E-09	1.07E-09	2.70E-09
1706	563279.7	4234029	1.49E-08	1.33E-08	2.83E-08	2.53E-09	2.14E-09	4.67E-09	1.21E-08	9.77E-09	2.18E-08	1.97E-09	1.89E-09	3.87E-09	1.47E-09	9.68E-10	2.44E-09
1707	563295	4234034	1.47E-08	1.31E-08	2.79E-08	2.50E-09	2.11E-09	4.61E-09	1.19E-08	9.64E-09	2.15E-08	1.95E-09	1.87E-09	3.82E-09	1.46E-09	9.55E-10	2.41E-09
1708	563310.3	4234039	1.45E-08	1.30E-08	2.75E-08	2.47E-09	2.08E-09	4.55E-09	1.17E-08	9.51E-09	2.13E-08	1.92E-09	1.84E-09	3.77E-09	1.44E-09	9.42E-10	2.38E-09
1709	563325.6	4234045	1.44E-08	1.28E-08	2.72E-08	2.44E-09	2.06E-09	4.50E-09	1.16E-08	9.42E-09	2.11E-08	1.90E-09	1.83E-09	3.73E-09	1.42E-09	9.33E-10	2.36E-09
1710	563340.9	4234050	1.41E-08	1.26E-08	2.67E-08	2.40E-09	2.02E-09	4.42E-09	1.14E-08	9.24E-09	2.06E-08	1.87E-09	1.79E-09	3.66E-09	1.39E-09	9.15E-10	2.31E-09
1711	563356.2	4234055	1.37E-08	1.22E-08	2.59E-08	2.32E-09	1.96E-09	4.28E-09	1.11E-08	8.96E-09	2.00E-08	1.81E-09	1.74E-09	3.55E-09	1.35E-09	8.87E-10	2.24E-09
1712	563371.5	4234061	1.32E-08	1.18E-08	2.50E-08	2.24E-09	1.89E-09	4.13E-09	1.07E-08	8.65E-09	1.93E-08	1.75E-09	1.68E-09	3.43E-09	1.31E-09	8.57E-10	2.16E-09
1713	563386.8	4234066	1.27E-08	1.13E-08	2.41E-08	2.16E-09	1.82E-09	3.98E-09	1.03E-08	8.32E-09	1.86E-08	1.68E-09	1.61E-09	3.30E-09	1.26E-09	8.24E-10	2.08E-09
1714	563402.2	4234071	1.22E-08	1.09E-08	2.31E-08	2.07E-09	1.74E-09	3.82E-09	9.85E-09	7.98E-09	1.78E-08	1.61E-09	1.55E-09	3.16E-09	1.20E-09	7.91E-10	2.00E-09
1715	563417.5	4234077	1.17E-08	1.04E-08	2.21E-08	1.98E-09	1.67E-09	3.65E-09	9.43E-09	7.64E-09	1.71E-08	1.54E-09	1.48E-09	3.03E-09	1.15E-09	7.57E-10	1.91E-09
1716	563463.4	4234093	1.01E-08	9.03E-09	1.92E-08	1.72E-09	1.45E-09	3.17E-09	8.17E-09	6.63E-09	1.48E-08	1.34E-09	1.28E-09	2.62E-09	1.00E-09	6.56E-10	1.66E-09
1717	563478.7	4234098	9.61E-09	8.58E-09	1.82E-08	1.63E-09	1.38E-09	3.01E-09	7.76E-09	6.29E-09	1.41E-08	1.27E-09	1.22E-09	2.49E-09	9.50E-10	6.23E-10	1.57E-09
1718	563494	4234104	9.20E-09	8.21E-09	1.74E-08	1.56E-09	1.32E-09	2.88E-09	7.43E-09	6.02E-09	1.35E-08	1.22E-09	1.17E-09	2.38E-09	9.09E-10	5.96E-10	1.51E-09
1719	563509.3	4234109	8.85E-09	7.89E-09	1.67E-08	1.50E-09	1.27E-09	2.77E-09	7.14E-09	5.79E-09	1.29E-08	1.17E-09	1.12E-09	2.29E-09	8.74E-10	5.73E-10	1.45E-09
1720	563524.6	4234114	8.50E-09	7.59E-09	1.61E-08	1.44E-09	1.22E-09	2.66E-09	6.87E-09	5.57E-09	1.24E-08	1.12E-09	1.08E-09	2.20E-09	8.40E-10	5.51E-10	1.39E-09
1721	563539.9	4234120	8.19E-09	7.30E-09	1.55E-08	1.39E-09	1.17E-09	2.56E-09	6.61E-09	5.36E-09	1.20E-08	1.08E-09	1.04E-09	2.12E-09	8.08E-10	5.30E-10	1.34E-09
1722	563264	4234025	1.51E-08	1.35E-08	2.87E-08	2.57E-09	2.17E-09	4.74E-09	1.22E-08	9.91E-09	2.21E-08	2.00E-09	1.92E-09	3.92E-09	1.50E-09	9.82E-10	2.48E-09
1723	563283.1	4233989	1.39E-08	1.24E-08	2.63E-08	2.35E-09	1.98E-09	4.34E-09	1.12E-08	9.08E-09	2.03E-08	1.84E-09	1.76E-09	3.60E-09	1.37E-09	8.99E-10	2.27E-09
1724	563298.2	4233994	1.39E-08	1.24E-08	2.63E-08	2.36E-09	1.99E-09	4.34E-09	1.12E-08	9.09E-09	2.03E-08	1.84E-09	1.76E-09	3.60E-09	1.37E-09	9.00E-10	2.27E-09
1725	563313.3	4233999	1.38E-08	1.23E-08	2.60E-08	2.34E-09	1.97E-09	4.30E-09	1.11E-08	9.01E-09	2.01E-08	1.82E-09	1.75E-09	3.57E-09	1.36E-09	8.92E-10	2.25E-09

1726	563328.4	4234005	1.35E-08	1.21E-08	2.56E-08	2.29E-09	1.93E-09	4.23E-09	1.09E-08	8.85E-09	1.98E-08	1.79E-09	1.72E-09	3.50E-09	1.34E-09	8.76E-10	2.21E-09
1727	563343.5	4234010	1.32E-08	1.18E-08	2.50E-08	2.24E-09	1.89E-09	4.13E-09	1.07E-08	8.65E-09	1.93E-08	1.75E-09	1.68E-09	3.42E-09	1.31E-09	8.57E-10	2.16E-09
1728	563358.6	4234015	1.29E-08	1.15E-08	2.43E-08	2.18E-09	1.84E-09	4.02E-09	1.04E-08	8.42E-09	1.88E-08	1.70E-09	1.63E-09	3.33E-09	1.27E-09	8.34E-10	2.10E-09
1729	563373.7	4234020	1.25E-08	1.12E-08	2.37E-08	2.13E-09	1.79E-09	3.92E-09	1.01E-08	8.20E-09	1.83E-08	1.66E-09	1.59E-09	3.25E-09	1.24E-09	8.12E-10	2.05E-09
1730	563388.8	4234026	1.21E-08	1.08E-08	2.30E-08	2.06E-09	1.74E-09	3.80E-09	9.81E-09	7.95E-09	1.78E-08	1.61E-09	1.54E-09	3.15E-09	1.20E-09	7.87E-10	1.99E-09
1731	563403.9	4234031	1.18E-08	1.05E-08	2.22E-08	1.99E-09	1.68E-09	3.68E-09	9.49E-09	7.69E-09	1.72E-08	1.55E-09	1.49E-09	3.05E-09	1.16E-09	7.62E-10	1.92E-09
1732	563419	4234036	1.14E-08	1.02E-08	2.16E-08	1.94E-09	1.64E-09	3.58E-09	9.23E-09	7.48E-09	1.67E-08	1.51E-09	1.45E-09	2.96E-09	1.13E-09	7.41E-10	1.87E-09
1733	563464.3	4234052	9.96E-09	8.88E-09	1.88E-08	1.69E-09	1.42E-09	3.11E-09	8.04E-09	6.52E-09	1.46E-08	1.32E-09	1.26E-09	2.58E-09	9.84E-10	6.45E-10	1.63E-09
1734	563479.4	4234058	9.46E-09	8.44E-09	1.79E-08	1.61E-09	1.35E-09	2.96E-09	7.64E-09	6.19E-09	1.38E-08	1.25E-09	1.20E-09	2.45E-09	9.34E-10	6.13E-10	1.55E-09
1735	563494.5	4234063	9.05E-09	8.07E-09	1.71E-08	1.54E-09	1.29E-09	2.83E-09	7.31E-09	5.92E-09	1.32E-08	1.20E-09	1.15E-09	2.35E-09	8.94E-10	5.87E-10	1.48E-09
1736	563509.6	4234068	8.72E-09	7.78E-09	1.65E-08	1.48E-09	1.25E-09	2.73E-09	7.04E-09	5.71E-09	1.28E-08	1.15E-09	1.11E-09	2.26E-09	8.61E-10	5.65E-10	1.43E-09
1737	563524.7	4234073	8.42E-09	7.51E-09	1.59E-08	1.43E-09	1.20E-09	2.63E-09	6.80E-09	5.51E-09	1.23E-08	1.11E-09	1.07E-09	2.18E-09	8.32E-10	5.46E-10	1.38E-09
1738	563539.8	4234079	8.14E-09	7.26E-09	1.54E-08	1.38E-09	1.16E-09	2.54E-09	6.57E-09	5.32E-09	1.19E-08	1.08E-09	1.03E-09	2.11E-09	8.03E-10	5.27E-10	1.33E-09
1739	563554.9	4234084	7.82E-09	6.98E-09	1.48E-08	1.33E-09	1.12E-09	2.45E-09	6.32E-09	5.12E-09	1.14E-08	1.03E-09	9.93E-10	2.03E-09	7.73E-10	5.07E-10	1.28E-09
1740	563570	4234089	7.56E-09	6.74E-09	1.43E-08	1.28E-09	1.08E-09	2.36E-09	6.10E-09	4.95E-09	1.11E-08	1.00E-09	9.59E-10	1.96E-09	7.47E-10	4.90E-10	1.24E-09
1741	563267.4	4233985	1.40E-08	1.25E-08	2.64E-08	2.37E-09	2.00E-09	4.37E-09	1.13E-08	9.14E-09	2.04E-08	1.85E-09	1.77E-09	3.62E-09	1.38E-09	9.05E-10	2.28E-09
1742	563286.6	4233949	1.30E-08	1.16E-08	2.47E-08	2.21E-09	1.87E-09	4.08E-09	1.05E-08	8.54E-09	1.91E-08	1.72E-09	1.65E-09	3.38E-09	1.29E-09	8.45E-10	2.13E-09
1743	563301.9	4233954	1.29E-08	1.16E-08	2.45E-08	2.20E-09	1.85E-09	4.05E-09	1.05E-08	8.47E-09	1.89E-08	1.71E-09	1.64E-09	3.36E-09	1.28E-09	8.39E-10	2.12E-09
1744	563317.1	4233960	1.28E-08	1.14E-08	2.42E-08	2.17E-09	1.83E-09	4.01E-09	1.03E-08	8.38E-09	1.87E-08	1.69E-09	1.63E-09	3.32E-09	1.27E-09	8.30E-10	2.10E-09
1745	563332.4	4233965	1.26E-08	1.13E-08	2.39E-08	2.14E-09	1.80E-09	3.94E-09	1.02E-08	8.25E-09	1.84E-08	1.67E-09	1.60E-09	3.27E-09	1.25E-09	8.17E-10	2.06E-09
1746	563347.7	4233970	1.24E-08	1.10E-08	2.34E-08	2.10E-09	1.77E-09	3.87E-09	9.98E-09	8.09E-09	1.81E-08	1.63E-09	1.57E-09	3.20E-09	1.22E-09	8.01E-10	2.02E-09
1747	563362.9	4233976	1.21E-08	1.08E-08	2.28E-08	2.05E-09	1.73E-09	3.77E-09	9.74E-09	7.89E-09	1.76E-08	1.60E-09	1.53E-09	3.13E-09	1.19E-09	7.82E-10	1.97E-09
1748	563378.2	4233981	1.17E-08	1.05E-08	2.22E-08	1.99E-09	1.68E-09	3.67E-09	9.49E-09	7.69E-09	1.72E-08	1.55E-09	1.49E-09	3.04E-09	1.16E-09	7.61E-10	1.92E-09
1749	563393.5	4233986	1.15E-08	1.02E-08	2.17E-08	1.94E-09	1.64E-09	3.58E-09	9.25E-09	7.50E-09	1.67E-08	1.51E-09	1.45E-09	2.97E-09	1.13E-09	7.42E-10	1.87E-09
1750	563408.7	4233992	1.12E-08	9.99E-09	2.12E-08	1.90E-09	1.60E-09	3.50E-09	9.04E-09	7.33E-09	1.64E-08	1.48E-09	1.42E-09	2.90E-09	1.11E-09	7.26E-10	1.83E-09
1751	563469.8	4234013	9.66E-09	8.62E-09	1.83E-08	1.64E-09	1.38E-09	3.02E-09	7.80E-09	6.32E-09	1.41E-08	1.28E-09	1.23E-09	2.50E-09	9.54E-10	6.26E-10	1.58E-09
1752	563485.1	4234018	9.26E-09	8.26E-09	1.75E-08	1.57E-09	1.32E-09	2.89E-09	7.47E-09	6.06E-09	1.35E-08	1.22E-09	1.17E-09	2.40E-09	9.14E-10	6.00E-10	1.51E-09
1753	563500.4	4234024	8.85E-09	7.90E-09	1.67E-08	1.50E-09	1.27E-09	2.77E-09	7.15E-09	5.79E-09	1.29E-08	1.17E-09	1.12E-09	2.29E-09	8.74E-10	5.74E-10	1.45E-09
1754	563515.6	4234029	8.46E-09	7.55E-09	1.60E-08	1.44E-09	1.21E-09	2.65E-09	6.83E-09	5.54E-09	1.24E-08	1.12E-09	1.07E-09	2.19E-09	8.35E-10	5.48E-10	1.38E-09
1755	563530.9	4234035	8.19E-09	7.30E-09	1.55E-08	1.39E-09	1.17E-09	2.56E-09	6.61E-09	5.36E-09	1.20E-08	1.08E-09	1.04E-09	2.12E-09	8.09E-10	5.31E-10	1.34E-09
1756	563546.2	4234040	7.92E-09	7.06E-09	1.50E-08	1.34E-09	1.13E-09	2.48E-09	6.39E-09	5.18E-09	1.16E-08	1.05E-09	1.00E-09	2.05E-09	7.82E-10	5.13E-10	1.30E-09
1757	563561.4	4234045	7.53E-09	6.72E-09	1.42E-08	1.28E-09	1.08E-09	2.35E-09	6.08E-09	4.93E-09	1.10E-08	9.96E-10	9.56E-10	1.95E-09	7.44E-10	4.88E-10	1.23E-09
1758	563576.7	4234051	7.19E-09	6.41E-09	1.36E-08	1.22E-09	1.03E-09	2.25E-09	5.80E-09	4.70E-09	1.05E-08	9.50E-10	9.12E-10	1.86E-09	7.10E-10	4.66E-10	1.18E-09
1759	563592	4234056	6.97E-09	6.22E-09	1.32E-08	1.18E-09	9.97E-10	2.18E-09	5.63E-09	4.56E-09	1.02E-08	9.22E-10	8.85E-10	1.81E-09	6.88E-10	4.52E-10	1.14E-09
1760	563270.8	4233945	1.32E-08	1.17E-08	2.49E-08	2.23E-09	1.88E-09	4.11E-09	1.06E-08	8.61E-09	1.92E-08	1.74E-09	1.67E-09	3.41E-09	1.30E-09	8.52E-10	2.15E-09
1761	563254.6	4233944	1.32E-08	1.18E-08	2.50E-08	2.24E-09	1.89E-09	4.12E-09	1.06E-08	8.63E-09	1.93E-08	1.74E-09	1.67E-09	3.42E-09	1.30E-09	8.55E-10	2.16E-09
1762	563139.7	4234607	3.73E-07	3.33E-07	7.06E-07	6.33E-08	5.34E-08	1.17E-07	3.01E-07	2.44E-07	5.46E-07	4.94E-08	4.74E-08	9.67E-08	3.69E-08	2.42E-08	6.11E-08
1763	563130.2	4234606	3.79E-07	3.38E-07	7.17E-07	6.43E-08	5.42E-08	1.18E-07	3.06E-07	2.48E-07	5.54E-07	5.01E-08	4.81E-08	9.82E-08	3.74E-08	2.46E-08	6.20E-08
1764	563120.7	4234605	3.78E-07	3.37E-07	7.15E-07	6.41E-08	5.40E-08	1.18E-07	3.05E-07	2.47E-07	5.52E-07	4.99E-08	4.79E-08	9.79E-08	3.73E-08	2.45E-08	6.18E-08
1765	563111.2	4234605	3.69E-07	3.30E-07	6.99E-07	6.27E-08	5.28E-08	1.16E-07	2.98E-07	2.42E-07	5.40E-07	4.89E-08	4.69E-08	9.57E-08	3.65E-08	2.39E-08	6.04E-08
1766	563101.6	4234604	3.54E-07	3.16E-07	6.71E-07	6.01E-08	5.07E-08	1.11E-07	2.86E-07	2.32E-07	5.18E-07	4.69E-08	4.50E-08	9.18E-08	3.50E-08	2.30E-08	5.80E-08
1767	563092.1	4234603	3.34E-07	2.98E-07	6.33E-07	5.67E-08	4.78E-08	1.05E-07	2.70E-07	2.19E-07	4.89E-07	4.42E-08	4.24E-08	8.66E-08	3.30E-08	2.17E-08	5.47E-08
1768	563188.2	4234601	2.35E-07	2.10E-07	4.45E-07	3.99E-08	3.36E-08	7.35E-08	1.90E-07	1.54E-07	3.44E-07	3.11E-08	2.98E-08	6.09E-08	2.32E-08	1.52E-08	3.84E-08
1769	563178.6	4234600	2.62E-07	2.34E-07	4.96E-07	4.45E-08	3.75E-08	8.20E-08	2.12E-07	1.72E-07	3.83E-07	3.47E-08	3.33E-08	6.80E-08	2.59E-08	1.70E-08	4.29E-08
1770	563169.1	4234599	2.87E-07	2.56E-07	5.42E-07	4.86E-08	4.10E-08	8.96E-08	2.31E-07	1.88E-07	4.19E-07	3.79E-08	3.64E-08	7.43E-08	2.83E-08	1.86E-08	4.69E-08
1771	563159.6	4234598	3.07E-07	2.74E-07	5.81E-07	5.21E-08	4.39E-08	9.60E-08	2.48E-07	2.01E-07	4.49E-07	4.06E-08	3.90E-08	7.96E-08	3.03E-08	1.99E-08	5.02E-08
1772	563150.1	4234598	3.24E-07	2.89E-07	6.12E-07	5.49E-08	4.63E-08	1.01E-07	2.61E-07	2.12E-07	4.73E-07	4.28E-08	4.11E-08	8.38E-08	3.20E-08	2.10E-08	5.29E-08
1773	563140.6	4234597	3.35E-07	2.99E-07	6.34E-07	5.69E-08	4.80E-08	1.05E-07	2.71E-07	2.19E-07	4.90E-07	4.43E-08	4.25E-08	8.69E-08	3.31E-08	2.17E-08	5.48E-08
1774	563131	4234596	3.42E-07	3.05E-07	6.47E-07	5.80E-08	4.89E-08	1.07E-07	2.76E-07	2.24E-07	5.00E-07	4.52E-08	4.34E-08	8.86E-08	3.38E-08	2.22E-08	5.59E-08
1775	563121.5	4234595	3.43E-07	3.06E-07	6.50E-07	5.83E-08	4.91E-08	1.07E-07	2.77E-07	2.25E-07	5.02E-07	4.54E-08	4.36E-08	8.90E-08	3.39E-08	2.23E-08	5.62E-08
1776	563112	4234595	3.39E-07	3.02E-07	6.41E-07	5.75E-08	4.85E-08	1.06E-07	2.74E-07	2.22E-07	4.96E-07	4.48E-08	4.30E-08	8.78E-08	3.35E-08	2.20E-08	5.54E-08
1777	563102.5	4234594	3.29E-07	2.94E-07	6.23E-07	5.58E-08	4.71E-08	1.03E-07	2.66E-07	2.15E-07	4.81E-07	4.35E-08	4.18E-08	8.53E-08	3.25E-08	2.13E-08	5.38E-08
1778	563092.9	4234593	3.14E-07	2.81E-07	5.95E-07	5.34E-08	4.50E-08	9.83E-08	2.54E-07	2.06E-07	4.60E-07	4.16E-08	3.99E-08	8.15E-08	3.11E-08	2.04E-08	5.14E-08
1779	563189	4234591	2.08E-07	1.86E-07	3.94E-07	3.53E-08	2.98E-08	6.51E-08	1.68E-07	1.36E-07	3.04E-07	2.75E-08	2.64E-08	5.39E-08	2.06E-08	1.35E-08	3.41E-08
1780	563179.5	4234590	2.33E-07	2.08E-07	4.40E-07	3.95E-08	3.33E-08	7.27E-08	1.88E-07	1.52E-07	3.40E-07	3.08E-08	2.95E-08	6.03E-08	2.30E-08	1.51E-08	3.81E-08
1781	563169.9	4234589	2.55E-07	2.28E-07	4.83E-07	4.33E-08	3.65E-08	7.98E-08	2.06E-07	1.67E-07	3.73E-07	3.37E-08	3.24E-08	6.61E-08	2.52E-08	1.65E-08	4.17E-08
1782	563160.4	4234589	2.75E-07	2.45E-07	5.19E-07	4.66E-08	3.93E-08	8.58E-08	2.22E-07	1.80E-07	4.01E-07	3.63E-08	3.48E-08	7.11E-08	2.71E-08	1.78E-08	4.49E-08
1783	563150.9	4234588	2.91E-07	2.59E-07	5.50E-07	4.93E-08	4.15E-08	9.08E-08	2.35E-07	1.90E-07	4.25E-07	3.84E-08	3.69E-08	7.53E-08	2.87E-08	1.88E-08	4.75E-08
1784	563141.4	4234587	3.02E-07	2.70E-07	5.72E-07	5.13E-08	4.33E-08	9.46E-08	2.44E-07	1.98E-07	4.42E-07	4.00E-08	3.84E-08	7.84E-08	2.99E-08	1.96E-08	4.95E-08
1785	563131.9	4234586	3.10E-07	2.77E-07	5.87E-07	5.26E-08	4.44E-08	9.70E-08	2.50E-07	2.03E-07	4.53E-07	4.10E-08	3.94E-08	8.04E-08	3.06E-08	2.01E-08	5.07E-08
1786	563122.3	4234585	3.13E-07	2.80E-07	5.93E-07	5.32E-08	4.48E-08	9.80E-08	2.53E-07	2.05E-07	4.58E-07	4.14E-08	3.98E-08	8.12E-08	3.09E-08	2.03E-08	5.13E-08
1787	563112.8	4234585	3.12E-07	2.78E-07	5.90E-07	5.29E-08	4.46E-08	9.75E-08	2.52E-07	2.04E-07	4.56E-07	4.12E-08	3.96E-08	8.08E-08	3.08E-08	2.02E-08	5.10E-08
1788	563103.3	4234584	3.06E-07	2.73E-07	5.79E-07	5.19E-08	4.37E-08	9.56E-08	2.47E-07	2.00E-07	4.47E-07	4.04E-08	3.88E-08	7.92E-08	3.02E-08	1.98E-08	5.00E-08
1789	563093.8	4234583	2.95E-07	2.64E-07	5.59E-07	5.01E-08	4.23E-08	9.24E-08	2.39E-07	1.93E-07	4.32E-07	3.91E-08	3.75E-08	7.66E-08	2.92E-08	1.91E-08	4.83E-08
1790	563189.8	4234581	1.86E-07	1.66E-07	3.52E-07	3.16E-08	2.66E-08	5.82E-08	1.50E-07	1.22E-07	2.72E-07	2.46E-08	2.36E-08	4.82E-08	1.84E-08	1.21E-08	3.04E-08
1791	563180.3	4234580	2.08E-07	1.85E-07	3.93E-07	3.52E-08	2.97E-08	6.50E-08	1.68E-07	1.36E-07	3.04E-07	2.75E-08	2.64E-08	5.38E-08	2.05E-08	1.35E-08	3.40E-08
1792	563170.8	4234579	2.28E-07	2.04E-07	4.32E-07	3.87E-08	3.26E-08	7.13E-08	1.84E-07	1.49E-07	3.33E-07	3.02E-08	2.89E-08	5.91E-08	2.25E-08	1.48E-08	3.73E-08
1793	563161.2	4234579	2.46E-07	2.20E-07	4.66E-07	4.18E-08	3.52E-08	7.70E-08	1.99E-07	1.61E-07	3.60E-07	3.26E-08	3.13E-08	6.38E-08	2.43E-08	1.60E-08	4.03E-08
1794	563151.7	4234578	2.62E-07	2.33E-07	4.95E-07	4.44E-08	3.74E-08	8.18E-08	2.11E-07	1.71E-07	3.83E-07	3.46E-08	3.32E-08	6.78E-08	2.58E-08	1.70E-08	4.28E-08
1795	563142.2	4234577	2.74E-07	2.44E-07	5.18E-07	4.65E-08	3.92E-08	8.56E-08	2.21E-07	1.79E-07	4.00E-07	3.62E-08	3.47E-08	7.09E-08	2.70E-08	1.77E-08	4.48E-08
1796	563132.7	4234576	2.82E-07	2.52E-07	5.34E-07	4.79E-08	4.04E-08	8.82E-08	2.28E-07	1.85E-07	4.13E-07	3.73E-08	3.58E-08	7.31E-08	2.79E-08	1.83E-08	4.62E-08
1797	563123.1	4234575	2.86E-07	2.56E-07	5.42E-07	4.86E-08	4.10E-08	8.96E-08	2.31E-07	1.87E-07	4.19E-07	3.79E-08	3.63E-08	7.42E-08	2.83E-08	1.86E-08	4.69E-08
1798	563113.6	4234575	2.87E-07	2.56E-07	5.43E-07	4.87E-08	4.11E-08	8.98E-08	2.32E-07	1.88E-07	4.20E-07	3.80E-08	3.64E-08	7.44E-08	2.84E-08	1.86E-08	4.70E-08
1799	563104.1	4234574	2.84E-07	2.53E-07	5.37E-07	4.82E-08	4.06E-08	8.88E-08	2.29E-07	1.86E-07	4.15E-07	3.76E-08	3.60E-08	7.36E-08	2.81E-08	1.84E-08	4.65E-08
1800	563094.6	4234573	2.77E-07	2.47E-07	5.25E-07	4.71E-08	3.97E-08	8.67E-08	2.24E-07	1.82E-07	4.06E-07	3.67E-08	3.52E-08	7.19E-08	2.74E-08	1.80E-08	4.54E-08
1801	563190.6	4234571	1.68E-07	1.50E-07	3.17E-07	2.84E-08	2.40E-08	5.24E-08	1.35E-07	1.10E-07	2.45E-07	2.22E-08	2.13E-08	4.34E-08	1.66E-08	1.09E-08	2.74E-08
1802	563181.1	4234570	1.87E-07	1.66E-07	3.53E-07	3.17E-08	2.67E-08	5.83E-08	1.51E-07	1.22E-07	2.73E-07	2.47E-08	2.37E-08	4.83E-08	1.84E-08	1.21E-08	3.05E-08
1803	563171.6	4234569	2.04E-07	1.82E-07	3.87E-07	3.47E-08	2.92E-08	6.39E-08	1.65E-07	1.34E-07	2.99E-07	2.70E-08	2.59E-08	5.30E-08	2.02E-08	1.32E-08	3.34E-08
1804	563162.1	4234569	2.21E-07	1.97E-07	4.17E-07	3.74E-08	3.15E-08	6.90E-08	1.78E-07	1.44E-07	3.22E-07	2.92E-08	2.80E-08	5.71E-08	2.18E-08	1.43E-08	3.61E-08
1805	563152.5	4234568	2.34E-07	2.09E-07	4.43E-07	3.97E-08	3.35E-08	7.32E-08	1.89E-07	1.53E-07	3.42E-07	3.10E-08	2.97E-08	6.07E-08	2.31E-08	1.52E-08	3.83E-08
1806	563143	4234567	2.46E-07	2.19E-07	4.65E-07	4.17E-08	3.51E-08	7.68E-08	1.98E-07	1.61E-07	3.59E-07	3.25E-08	3.12E-08	6.37E-08	2.43E-08	1.59E-08	4.02E-08
1807	563133.5	4234566	2.54E-07	2.27E-07	4.81E-07	4.31E-08	3.64E-08	7.95E-08	2.05E-07	1.66E-07	3.72E-07	3.36E-08	3.23E-08	6.59E-08	2.51E-08	1.65E-08	4.16E-08
1808	563124	4234565	2.60E-07	2.32E-07	4.91E-07	4.40E-08	3.71E-08	8.12E-08	2.10E-07	1.70E-07	3.79E-07	3.43E-08	3.29E-08	6.73E-08	2.56E-08	1.68E-08	4.25E-08
1809	563114.4	4234565	2.63E-07	2.34E-07	4.97E-07	4.46E-08	3.76E-08	8.22E-08	2.12E-07	1.72E-07	3.84E-07	3.47E-08	3.33E-08	6.81E-08	2.60E-08	1.70E-08	4.30E-08
1810	563104.9	4234564	2.63E-07	2.35E-07	4.98E-07	4.46E-08	3.76E-08	8.22E-08	2.12E-07	1.72E-07	3.85E-07	3.48E-08	3.34E-08	6.82E-08	2.60E-08	1.70E-08	4.30E-08
1811	563095.4	4234563	2.60E-07	2.32E-07	4.92E-07	4.41E-08	3.72E-08	8.13E-08	2.10E-07	1.70E-07	3.80E-07	3.44E-08	3.30E-08	6.74E-08	2.57E-08	1.69E-08	4.25E-08
1812	563191.4	4234561	1.52E-07	1.36E-07	2.88E-07	2.58E-08	2.18E-08	4.76E-08	1.23E-07	9.95E-08	2.22E-07	2.01E-08	1.93E-08	3.94E-08	1.50E-08	9.86E-09	2.49E-08
1813	563181.9	4234560	1.69E-07	1.50E-07	3.19E-07	2.86E-08	2.41E-08	5.27E-08	1.36E-07	1.10E-07	2.47E-07	2.23E-08	2.14E-08	4.37E-08	1.67E-08	1.09E-08	2.76E-08
1814	563172.4	4234559	1.84E-07	1.64E-07	3.48E-07	3.12E-08	2.63E-08	5.75E-08	1.48E-07	1.20E-07	2.69E-07	2.43E-08	2.33E-08	4.77E-08	1.82E-08	1.19E-08	3.01E-08
1815	563162.9	4234559	1.98E-07	1.76E-07	3.74E-07	3.36E-08	2.83E-08	6.19E-08	1.60E-07	1.29E-07	2.89E-07	2.62E-08	2.51E-08	5.13E-08	1.95E-08	1.28E-08	3.24E-08
1816	563153.4	4234558	2.10E-07	1.87E-07	3.97E-07	3.56E-08	3.00E-08	6.57E-08	1.70E-07	1.37E-07	3.07E-07	2.78E-08	2.66E-08	5.44E-08	2.07E-08	1.36E-08	3.43E-08

1817	563143.8	4234557	2.21E-07	1.97E-07	4.18E-07	3.75E-08	3.16E-08	6.91E-08	1.78E-07	1.45E-07	3.23E-07	2.92E-08	2.80E-08	5.73E-08	2.18E-08	1.43E-08	3.62E-08
1818	563134.3	4234556	2.30E-07	2.05E-07	4.35E-07	3.90E-08	3.28E-08	7.18E-08	1.85E-07	1.50E-07	3.36E-07	3.04E-08	2.91E-08	5.95E-08	2.27E-08	1.49E-08	3.76E-08
1819	563124.8	4234555	2.36E-07	2.10E-07	4.46E-07	4.00E-08	3.37E-08	7.37E-08	1.90E-07	1.54E-07	3.45E-07	3.12E-08	2.99E-08	6.11E-08	2.33E-08	1.53E-08	3.86E-08
1820	563115.3	4234555	2.41E-07	2.15E-07	4.55E-07	4.08E-08	3.44E-08	7.53E-08	1.94E-07	1.58E-07	3.52E-07	3.18E-08	3.05E-08	6.24E-08	2.38E-08	1.56E-08	3.94E-08
1821	563105.7	4234554	2.43E-07	2.17E-07	4.61E-07	4.13E-08	3.48E-08	7.61E-08	1.97E-07	1.59E-07	3.56E-07	3.22E-08	3.09E-08	6.31E-08	2.40E-08	1.58E-08	3.98E-08
1822	563096.2	4234553	2.44E-07	2.17E-07	4.61E-07	4.13E-08	3.48E-08	7.61E-08	1.97E-07	1.59E-07	3.56E-07	3.22E-08	3.09E-08	6.31E-08	2.41E-08	1.58E-08	3.98E-08
1823	563192.3	4234551	1.39E-07	1.24E-07	2.63E-07	2.36E-08	1.99E-08	4.34E-08	1.12E-07	9.09E-08	2.03E-07	1.84E-08	1.76E-08	3.60E-08	1.37E-08	9.00E-09	2.27E-08
1824	563182.7	4234550	1.53E-07	1.37E-07	2.90E-07	2.60E-08	2.19E-08	4.80E-08	1.24E-07	1.00E-07	2.24E-07	2.03E-08	1.95E-08	3.97E-08	1.51E-08	9.94E-09	2.51E-08
1825	563173.2	4234549	1.66E-07	1.48E-07	3.15E-07	2.82E-08	2.38E-08	5.20E-08	1.34E-07	1.09E-07	2.43E-07	2.20E-08	2.11E-08	4.31E-08	1.64E-08	1.08E-08	2.72E-08
1826	563163.7	4234549	1.78E-07	1.59E-07	3.38E-07	3.03E-08	2.55E-08	5.58E-08	1.44E-07	1.17E-07	2.61E-07	2.36E-08	2.26E-08	4.62E-08	1.76E-08	1.16E-08	2.92E-08
1827	563154.2	4234548	1.89E-07	1.69E-07	3.58E-07	3.21E-08	2.70E-08	5.91E-08	1.53E-07	1.24E-07	2.76E-07	2.50E-08	2.40E-08	4.90E-08	1.87E-08	1.23E-08	3.09E-08
1828	563144.7	4234547	2.00E-07	1.78E-07	3.77E-07	3.39E-08	2.85E-08	6.24E-08	1.61E-07	1.31E-07	2.92E-07	2.64E-08	2.53E-08	5.17E-08	1.97E-08	1.29E-08	3.26E-08
1829	563135.1	4234546	2.08E-07	1.86E-07	3.94E-07	3.53E-08	2.98E-08	6.51E-08	1.68E-07	1.36E-07	3.04E-07	2.75E-08	2.64E-08	5.39E-08	2.06E-08	1.35E-08	3.40E-08
1830	563125.6	4234546	2.15E-07	1.92E-07	4.06E-07	3.64E-08	3.07E-08	6.72E-08	1.73E-07	1.41E-07	3.14E-07	2.84E-08	2.73E-08	5.57E-08	2.12E-08	1.39E-08	3.51E-08
1831	563116.1	4234545	2.21E-07	1.97E-07	4.18E-07	3.75E-08	3.16E-08	6.91E-08	1.78E-07	1.45E-07	3.23E-07	2.92E-08	2.80E-08	5.73E-08	2.18E-08	1.43E-08	3.61E-08
1832	563106.6	4234544	2.26E-07	2.01E-07	4.27E-07	3.83E-08	3.23E-08	7.06E-08	1.82E-07	1.48E-07	3.30E-07	2.98E-08	2.86E-08	5.85E-08	2.23E-08	1.46E-08	3.69E-08
1833	563097	4234543	2.28E-07	2.03E-07	4.31E-07	3.87E-08	3.26E-08	7.13E-08	1.84E-07	1.49E-07	3.33E-07	3.01E-08	2.89E-08	5.91E-08	2.25E-08	1.48E-08	3.73E-08
1834	563193.1	4234541	1.27E-07	1.13E-07	2.40E-07	2.16E-08	1.82E-08	3.97E-08	1.03E-07	8.31E-08	1.86E-07	1.68E-08	1.61E-08	3.29E-08	1.25E-08	8.23E-09	2.08E-08
1835	563183.6	4234540	1.39E-07	1.24E-07	2.64E-07	2.37E-08	1.99E-08	4.36E-08	1.13E-07	9.12E-08	2.04E-07	1.84E-08	1.77E-08	3.61E-08	1.38E-08	9.03E-09	2.28E-08
1836	563174	4234539	1.51E-07	1.35E-07	2.86E-07	2.56E-08	2.16E-08	4.72E-08	1.22E-07	9.88E-08	2.21E-07	2.00E-08	1.91E-08	3.91E-08	1.49E-08	9.78E-09	2.47E-08
1837	563164.5	4234539	1.62E-07	1.44E-07	3.06E-07	2.75E-08	2.32E-08	5.06E-08	1.31E-07	1.06E-07	2.37E-07	2.14E-08	2.06E-08	4.20E-08	1.60E-08	1.05E-08	2.65E-08
1838	563155	4234538	1.72E-07	1.54E-07	3.26E-07	2.92E-08	2.46E-08	5.38E-08	1.39E-07	1.13E-07	2.52E-07	2.28E-08	2.19E-08	4.46E-08	1.70E-08	1.12E-08	2.82E-08
1839	563145.5	4234537	1.82E-07	1.63E-07	3.45E-07	3.09E-08	2.61E-08	5.70E-08	1.47E-07	1.19E-07	2.66E-07	2.41E-08	2.31E-08	4.72E-08	1.80E-08	1.18E-08	2.98E-08
1840	563136	4234536	1.91E-07	1.70E-07	3.61E-07	3.24E-08	2.73E-08	5.97E-08	1.54E-07	1.25E-07	2.79E-07	2.52E-08	2.42E-08	4.95E-08	1.89E-08	1.24E-08	3.12E-08
1841	563126.4	4234536	1.98E-07	1.77E-07	3.74E-07	3.36E-08	2.83E-08	6.19E-08	1.60E-07	1.30E-07	2.89E-07	2.62E-08	2.51E-08	5.13E-08	1.95E-08	1.28E-08	3.24E-08
1842	563116.9	4234535	2.05E-07	1.82E-07	3.87E-07	3.47E-08	2.93E-08	6.40E-08	1.65E-07	1.34E-07	2.99E-07	2.70E-08	2.60E-08	5.30E-08	2.02E-08	1.33E-08	3.35E-08
1843	563107.4	4234534	2.10E-07	1.87E-07	3.97E-07	3.56E-08	3.00E-08	6.56E-08	1.70E-07	1.37E-07	3.07E-07	2.78E-08	2.66E-08	5.44E-08	2.07E-08	1.36E-08	3.43E-08
1844	563097.9	4234533	2.13E-07	1.90E-07	4.04E-07	3.62E-08	3.05E-08	6.67E-08	1.72E-07	1.40E-07	3.12E-07	2.82E-08	2.71E-08	5.53E-08	2.11E-08	1.38E-08	3.49E-08
1845	563194.7	4234521	1.07E-07	9.56E-08	2.03E-07	1.82E-08	1.53E-08	3.35E-08	8.66E-08	7.02E-08	1.57E-07	1.42E-08	1.36E-08	2.78E-08	1.06E-08	6.95E-09	1.75E-08
1846	563185.2	4234520	1.16E-07	1.03E-07	2.19E-07	1.97E-08	1.66E-08	3.62E-08	9.36E-08	7.58E-08	1.69E-07	1.53E-08	1.47E-08	3.00E-08	1.14E-08	7.51E-09	1.90E-08
1847	563175.7	4234520	1.25E-07	1.12E-07	2.37E-07	2.13E-08	1.79E-08	3.92E-08	1.01E-07	8.20E-08	1.83E-07	1.66E-08	1.59E-08	3.25E-08	1.24E-08	8.13E-09	2.05E-08
1848	563166.2	4234519	1.35E-07	1.20E-07	2.55E-07	2.29E-08	1.93E-08	4.22E-08	1.09E-07	8.84E-08	1.97E-07	1.79E-08	1.71E-08	3.50E-08	1.33E-08	8.75E-09	2.21E-08
1849	563156.6	4234518	1.45E-07	1.29E-07	2.73E-07	2.45E-08	2.07E-08	4.52E-08	1.17E-07	9.46E-08	2.11E-07	1.91E-08	1.83E-08	3.75E-08	1.43E-08	9.37E-09	2.36E-08
1850	563147.1	4234517	1.53E-07	1.37E-07	2.90E-07	2.60E-08	2.20E-08	4.80E-08	1.24E-07	1.00E-07	2.24E-07	2.03E-08	1.95E-08	3.98E-08	1.52E-08	9.95E-09	2.51E-08
1851	563137.6	4234516	1.62E-07	1.44E-07	3.06E-07	2.74E-08	2.31E-08	5.05E-08	1.31E-07	1.06E-07	2.36E-07	2.14E-08	2.05E-08	4.19E-08	1.60E-08	1.05E-08	2.64E-08
1852	563128.1	4234516	1.69E-07	1.50E-07	3.19E-07	2.86E-08	2.41E-08	5.27E-08	1.36E-07	1.10E-07	2.47E-07	2.23E-08	2.14E-08	4.37E-08	1.67E-08	1.09E-08	2.76E-08
1853	563118.6	4234515	1.75E-07	1.56E-07	3.32E-07	2.98E-08	2.51E-08	5.48E-08	1.42E-07	1.15E-07	2.56E-07	2.32E-08	2.22E-08	4.54E-08	1.73E-08	1.14E-08	2.87E-08
1854	563109	4234514	1.82E-07	1.62E-07	3.44E-07	3.08E-08	2.60E-08	5.68E-08	1.47E-07	1.19E-07	2.66E-07	2.40E-08	2.31E-08	4.71E-08	1.80E-08	1.18E-08	2.97E-08
1855	563099.5	4234513	1.87E-07	1.67E-07	3.54E-07	3.17E-08	2.67E-08	5.84E-08	1.51E-07	1.22E-07	2.73E-07	2.47E-08	2.37E-08	4.84E-08	1.85E-08	1.21E-08	3.06E-08
1856	563196.4	4234501	9.24E-08	8.24E-08	1.75E-07	1.57E-08	1.32E-08	2.89E-08	7.46E-08	6.04E-08	1.35E-07	1.22E-08	1.17E-08	2.39E-08	9.12E-09	5.99E-09	1.51E-08
1857	563186.8	4234500	9.94E-08	8.87E-08	1.88E-07	1.69E-08	1.42E-08	3.11E-08	8.02E-08	6.50E-08	1.45E-07	1.31E-08	1.26E-08	2.58E-08	9.81E-09	6.44E-09	1.63E-08
1858	563177.3	4234500	1.07E-07	9.54E-08	2.02E-07	1.82E-08	1.53E-08	3.35E-08	8.64E-08	7.00E-08	1.56E-07	1.41E-08	1.36E-08	2.77E-08	1.06E-08	6.93E-09	1.75E-08
1859	563167.8	4234499	1.15E-07	1.03E-07	2.17E-07	1.95E-08	1.64E-08	3.59E-08	9.28E-08	7.52E-08	1.68E-07	1.52E-08	1.46E-08	2.98E-08	1.13E-08	7.45E-09	1.88E-08
1860	563158.3	4234498	1.23E-07	1.10E-07	2.32E-07	2.09E-08	1.76E-08	3.84E-08	9.92E-08	8.04E-08	1.80E-07	1.63E-08	1.56E-08	3.18E-08	1.21E-08	7.96E-09	2.01E-08
1861	563148.8	4234497	1.30E-07	1.16E-07	2.46E-07	2.21E-08	1.86E-08	4.07E-08	1.05E-07	8.52E-08	1.90E-07	1.72E-08	1.65E-08	3.38E-08	1.29E-08	8.44E-09	2.13E-08
1862	563139.2	4234496	1.37E-07	1.22E-07	2.59E-07	2.32E-08	1.96E-08	4.28E-08	1.10E-07	8.95E-08	2.00E-07	1.81E-08	1.73E-08	3.54E-08	1.35E-08	8.86E-09	2.24E-08
1863	563129.7	4234496	1.42E-07	1.27E-07	2.70E-07	2.42E-08	2.04E-08	4.45E-08	1.15E-07	9.32E-08	2.08E-07	1.88E-08	1.81E-08	3.69E-08	1.41E-08	9.23E-09	2.33E-08
1864	563120.2	4234495	1.49E-07	1.32E-07	2.81E-07	2.52E-08	2.12E-08	4.64E-08	1.20E-07	9.72E-08	2.17E-07	1.96E-08	1.88E-08	3.85E-08	1.47E-08	9.62E-09	2.43E-08
1865	563110.7	4234494	1.56E-07	1.39E-07	2.95E-07	2.65E-08	2.23E-08	4.88E-08	1.26E-07	1.02E-07	2.28E-07	2.06E-08	1.98E-08	4.04E-08	1.54E-08	1.01E-08	2.55E-08
1866	563101.1	4234493	1.63E-07	1.45E-07	3.08E-07	2.76E-08	2.33E-08	5.09E-08	1.31E-07	1.06E-07	2.38E-07	2.15E-08	2.06E-08	4.22E-08	1.61E-08	1.05E-08	2.66E-08
1867	563198	4234481	8.05E-08	7.18E-08	1.52E-07	1.37E-08	1.15E-08	2.52E-08	6.50E-08	5.27E-08	1.18E-07	1.06E-08	1.02E-08	2.09E-08	7.95E-09	5.22E-09	1.32E-08
1868	563188.5	4234480	8.62E-08	7.69E-08	1.63E-07	1.46E-08	1.23E-08	2.70E-08	6.96E-08	5.64E-08	1.26E-07	1.14E-08	1.09E-08	2.23E-08	8.51E-09	5.59E-09	1.41E-08
1869	563179	4234480	9.22E-08	8.22E-08	1.74E-07	1.56E-08	1.32E-08	2.88E-08	7.44E-08	6.03E-08	1.35E-07	1.22E-08	1.17E-08	2.39E-08	9.10E-09	5.97E-09	1.51E-08
1870	563169.4	4234479	9.85E-08	8.78E-08	1.86E-07	1.67E-08	1.41E-08	3.08E-08	7.95E-08	6.44E-08	1.44E-07	1.30E-08	1.25E-08	2.55E-08	9.72E-09	6.38E-09	1.61E-08
1871	563159.9	4234478	1.05E-07	9.36E-08	1.99E-07	1.78E-08	1.50E-08	3.28E-08	8.47E-08	6.87E-08	1.53E-07	1.39E-08	1.33E-08	2.72E-08	1.04E-08	6.80E-09	1.72E-08
1872	563150.4	4234477	1.11E-07	9.92E-08	2.10E-07	1.89E-08	1.59E-08	3.48E-08	8.98E-08	7.28E-08	1.63E-07	1.47E-08	1.41E-08	2.88E-08	1.10E-08	7.21E-09	1.82E-08
1873	563140.9	4234477	1.17E-07	1.04E-07	2.21E-07	1.98E-08	1.67E-08	3.65E-08	9.43E-08	7.64E-08	1.71E-07	1.54E-08	1.48E-08	3.03E-08	1.15E-08	7.57E-09	1.91E-08
1874	563131.4	4234476	1.22E-07	1.09E-07	2.31E-07	2.07E-08	1.75E-08	3.82E-08	9.86E-08	7.99E-08	1.79E-07	1.62E-08	1.55E-08	3.17E-08	1.21E-08	7.92E-09	2.00E-08
1875	563121.8	4234475	1.28E-07	1.14E-07	2.41E-07	2.16E-08	1.82E-08	3.99E-08	1.03E-07	8.34E-08	1.86E-07	1.69E-08	1.62E-08	3.30E-08	1.26E-08	8.26E-09	2.09E-08
1876	563112.3	4234474	1.34E-07	1.20E-07	2.54E-07	2.28E-08	1.92E-08	4.20E-08	1.09E-07	8.80E-08	1.97E-07	1.78E-08	1.71E-08	3.48E-08	1.33E-08	8.71E-09	2.20E-08
1877	563102.8	4234473	1.41E-07	1.26E-07	2.66E-07	2.39E-08	2.01E-08	4.40E-08	1.14E-07	9.21E-08	2.06E-07	1.86E-08	1.79E-08	3.65E-08	1.39E-08	9.12E-09	2.30E-08
1878	563199.6	4234461	7.09E-08	6.33E-08	1.34E-07	1.20E-08	1.01E-08	2.22E-08	5.73E-08	4.64E-08	1.04E-07	9.38E-09	9.00E-09	1.84E-08	7.01E-09	4.60E-09	1.16E-08
1879	563190.1	4234461	7.50E-08	6.69E-08	1.42E-07	1.27E-08	1.07E-08	2.35E-08	6.06E-08	4.91E-08	1.10E-07	9.92E-09	9.52E-09	1.94E-08	7.41E-09	4.86E-09	1.23E-08
1880	563180.6	4234460	7.95E-08	7.09E-08	1.50E-07	1.35E-08	1.14E-08	2.49E-08	6.42E-08	5.20E-08	1.16E-07	1.05E-08	1.01E-08	2.06E-08	7.85E-09	5.15E-09	1.30E-08
1881	563171.1	4234459	8.45E-08	7.54E-08	1.60E-07	1.43E-08	1.21E-08	2.64E-08	6.82E-08	5.53E-08	1.24E-07	1.12E-08	1.07E-08	2.19E-08	8.35E-09	5.48E-09	1.38E-08
1882	563161.6	4234458	8.97E-08	8.00E-08	1.70E-07	1.52E-08	1.28E-08	2.81E-08	7.24E-08	5.87E-08	1.31E-07	1.19E-08	1.14E-08	2.32E-08	8.86E-09	5.81E-09	1.47E-08
1883	563152	4234457	9.51E-08	8.48E-08	1.80E-07	1.61E-08	1.36E-08	2.97E-08	7.68E-08	6.22E-08	1.39E-07	1.26E-08	1.21E-08	2.46E-08	9.39E-09	6.16E-09	1.56E-08
1884	563142.5	4234457	1.00E-07	8.96E-08	1.90E-07	1.70E-08	1.44E-08	3.14E-08	8.11E-08	6.57E-08	1.47E-07	1.33E-08	1.27E-08	2.60E-08	9.92E-09	6.51E-09	1.64E-08
1885	563133	4234456	1.06E-07	9.44E-08	2.00E-07	1.80E-08	1.51E-08	3.31E-08	8.55E-08	6.93E-08	1.55E-07	1.40E-08	1.34E-08	2.74E-08	1.05E-08	6.86E-09	1.73E-08
1886	563123.5	4234455	1.11E-07	9.91E-08	2.10E-07	1.88E-08	1.59E-08	3.47E-08	8.97E-08	7.27E-08	1.62E-07	1.47E-08	1.41E-08	2.88E-08	1.10E-08	7.20E-09	1.82E-08
1887	563114	4234454	1.17E-07	1.04E-07	2.21E-07	1.98E-08	1.67E-08	3.65E-08	9.44E-08	7.65E-08	1.71E-07	1.55E-08	1.48E-08	3.03E-08	1.15E-08	7.57E-09	1.91E-08
1888	563104.4	4234453	1.22E-07	1.09E-07	2.32E-07	2.08E-08	1.75E-08	3.83E-08	9.88E-08	8.01E-08	1.79E-07	1.62E-08	1.55E-08	3.17E-08	1.21E-08	7.93E-09	2.00E-08
1889	563201.3	4234441	6.30E-08	5.62E-08	1.19E-07	1.07E-08	9.02E-09	1.97E-08	5.09E-08	4.13E-08	9.22E-08	8.34E-09	8.00E-09	1.63E-08	6.23E-09	4.09E-09	1.03E-08
1890	563191.8	4234441	6.65E-08	5.93E-08	1.26E-07	1.13E-08	9.51E-09	2.08E-08	5.37E-08	4.35E-08	9.72E-08	8.79E-09	8.44E-09	1.72E-08	6.57E-09	4.31E-09	1.09E-08
1891	563182.2	4234440	7.02E-08	6.26E-08	1.33E-07	1.19E-08	1.00E-08	2.20E-08	5.67E-08	4.59E-08	1.03E-07	9.29E-09	8.91E-09	1.82E-08	6.93E-09	4.55E-09	1.15E-08
1892	563172.7	4234439	7.44E-08	6.63E-08	1.41E-07	1.26E-08	1.06E-08	2.33E-08	6.00E-08	4.87E-08	1.09E-07	9.83E-09	9.44E-09	1.93E-08	7.34E-09	4.82E-09	1.22E-08
1893	563163.2	4234438	7.87E-08	7.02E-08	1.49E-07	1.34E-08	1.13E-08	2.46E-08	6.36E-08	5.15E-08	1.15E-07	1.04E-08	9.99E-09	2.04E-08	7.78E-09	5.10E-09	1.29E-08
1894	563153.7	4234437	8.33E-08	7.43E-08	1.58E-07	1.41E-08	1.19E-08	2.60E-08	6.73E-08	5.45E-08	1.22E-07	1.10E-08	1.06E-08	2.16E-08	8.23E-09	5.40E-09	1.36E-08
1895	563144.2	4234437	8.80E-08	7.85E-08	1.67E-07	1.49E-08	1.26E-08	2.75E-08	7.11E-08	5.76E-08	1.29E-07	1.16E-08	1.12E-08	2.28E-08	8.69E-09	5.70E-09	1.44E-08
1896	563134.6	4234436	9.28E-08	8.28E-08	1.76E-07	1.57E-08	1.33E-08	2.90E-08	7.49E-08	6.07E-08	1.36E-07	1.23E-08	1.18E-08	2.40E-08	9.16E-09	6.01E-09	1.52E-08
1897	563125.1	4234435	9.75E-08	8.70E-08	1.84E-07	1.65E-08	1.39E-08	3.05E-08	7.87E-08	6.38E-08	1.42E-07	1.29E-08	1.24E-08	2.53E-08	9.63E-09	6.32E-09	1.59E-08
1898	563115.6	4234434	1.03E-07	9.17E-08	1.94E-07	1.74E-08	1.47E-08	3.21E-08	8.30E-08	6.73E-08	1.50E-07	1.36E-08	1.30E-08	2.66E-08	1.01E-08	6.66E-09	1.68E-08
1899	563106.1	4234434	1.08E-07	9.64E-08	2.04E-07	1.83E-08	1.54E-08	3.38E-08	8.72E-08	7.07E-08	1.58E-07	1.43E-08	1.37E-08	2.80E-08	1.07E-08	7.00E-09	1.77E-08
1900	563202.9	4234421	5.65E-08	5.04E-08	1.07E-07	9.59E-09	8.08E-09	1.77E-08	4.56E-08	3.70E-08	8.26E-08	7.47E-09	7.17E-09	1.46E-08	5.58E-09	3.66E-09	9.24E-09
1901	563193.4	4234421	5.95E-08	5.31E-08	1.13E-07	1.01E-08	8.51E-09	1.86E-08	4.81E-08	3.89E-08	8.70E-08	7.87E-09	7.55E-09	1.54E-08	5.88E-09	3.86E-09	9.73E-09
1902	563183.9	4234420	6.27E-08	5.60E-08	1.19E-07	1.06E-08	8.97E-09	1.96E-08	5.07E-08	4.11E-08	9.17E-08	8.30E-09	7.96E-09	1.63E-08	6.20E-09	4.07E-09	1.03E-08
1903	563174.4	4234419	6.62E-08	5.90E-08	1.25E-07	1.12E-08	9.46E-09	2.07E-08	5.34E-08	4.33E-08	9.67E-08	8.75E-09	8.40E-09	1.71E-08	6.53E-09	4.29E-09	1.08E-08
1904	563164.8	4234418	6.98E-08	6.23E-08	1.32E-07	1.18E-08	9.98E-09	2.18E-08	5.64E-08	4.57E-08	1.02E-07	9.23E-09	8.86E-09	1.81E-08	6.89E-09	4.52E-09	1.14E-08
1905	563155.3	4234418	7.37E-08	6.57E-08	1.39E-07	1.25E-08	1.05E-08	2.30E-08	5.95E-08	4.82E-08	1.08E-07	9.74E-09	9.35E-09	1.91E-08	7.28E-09	4.78E-09	1.21E-08
1906	563145.8	4234417	7.77E-08	6.93E-08	1.47E-07	1.32E-08	1.11E-08	2.43E-08	6.28E-08	5.09E-08	1.14E-07	1.03E-08	9.86E-09	2.01E-08	7.68E-09	5.04E-09	1.27E-08
1907	563136.3	4234416	8.19E-08	7.31E-08	1.55E-07	1.39E-08	1.17E-08	2.56E-08	6.61E-08	5.36E-08	1.20E-07	1.08E-08	1.04E-08	2.12E-08	8.09E-09	5.31E-09	1.34E-08

1908	563126.8	4234415	8.61E-08	7.68E-08	1.63E-07	1.46E-08	1.23E-08	2.69E-08	6.95E-08	5.64E-08	1.26E-07	1.14E-08	1.09E-08	2.23E-08	8.51E-09	5.58E-09	1.41E-08
1909	563117.2	4234414	9.08E-08	8.10E-08	1.72E-07	1.54E-08	1.30E-08	2.84E-08	7.33E-08	5.94E-08	1.33E-07	1.20E-08	1.15E-08	2.35E-08	8.97E-09	5.88E-09	1.49E-08
1910	563107.7	4234414	9.57E-08	8.53E-08	1.81E-07	1.62E-08	1.37E-08	2.99E-08	7.73E-08	6.26E-08	1.40E-07	1.27E-08	1.21E-08	2.48E-08	9.45E-09	6.20E-09	1.56E-08
1911	563204.6	4234402	5.13E-08	4.58E-08	9.71E-08	8.70E-09	7.34E-09	1.60E-08	4.14E-08	3.36E-08	7.50E-08	6.78E-09	6.51E-09	1.33E-08	5.07E-09	3.32E-09	8.39E-09
1912	563195	4234401	5.38E-08	4.80E-08	1.02E-07	9.13E-09	7.69E-09	1.68E-08	4.34E-08	3.52E-08	7.86E-08	7.11E-09	6.83E-09	1.39E-08	5.31E-09	3.49E-09	8.80E-09
1913	563185.5	4234400	5.65E-08	5.04E-08	1.07E-07	9.58E-09	8.08E-09	1.77E-08	4.56E-08	3.70E-08	8.26E-08	7.47E-09	7.17E-09	1.46E-08	5.58E-09	3.66E-09	9.24E-09
1914	563176	4234399	5.93E-08	5.29E-08	1.12E-07	1.01E-08	8.48E-09	1.86E-08	4.79E-08	3.88E-08	8.67E-08	7.85E-09	7.53E-09	1.54E-08	5.86E-09	3.85E-09	9.70E-09
1915	563166.5	4234398	6.24E-08	5.57E-08	1.18E-07	1.06E-08	8.92E-09	1.95E-08	5.04E-08	4.08E-08	9.12E-08	8.25E-09	7.92E-09	1.62E-08	6.16E-09	4.04E-09	1.02E-08
1916	563157	4234398	6.57E-08	5.86E-08	1.24E-07	1.11E-08	9.39E-09	2.05E-08	5.30E-08	4.30E-08	9.60E-08	8.69E-09	8.33E-09	1.70E-08	6.49E-09	4.26E-09	1.07E-08
1917	563147.4	4234397	6.92E-08	6.17E-08	1.31E-07	1.17E-08	9.89E-09	2.16E-08	5.58E-08	4.53E-08	1.01E-07	9.15E-09	8.78E-09	1.79E-08	6.83E-09	4.48E-09	1.13E-08
1918	563137.9	4234396	7.28E-08	6.49E-08	1.38E-07	1.24E-08	1.04E-08	2.28E-08	5.88E-08	4.76E-08	1.06E-07	9.63E-09	9.24E-09	1.89E-08	7.19E-09	4.72E-09	1.19E-08
1919	563128.4	4234395	7.65E-08	6.83E-08	1.45E-07	1.30E-08	1.09E-08	2.39E-08	6.18E-08	5.01E-08	1.12E-07	1.01E-08	9.71E-09	1.98E-08	7.56E-09	4.96E-09	1.25E-08
1920	563118.9	4234394	8.07E-08	7.20E-08	1.53E-07	1.37E-08	1.15E-08	2.52E-08	6.51E-08	5.28E-08	1.18E-07	1.07E-08	1.02E-08	2.09E-08	7.97E-09	5.23E-09	1.32E-08
1921	563109.4	4234394	8.51E-08	7.59E-08	1.61E-07	1.44E-08	1.22E-08	2.66E-08	6.87E-08	5.57E-08	1.24E-07	1.13E-08	1.08E-08	2.21E-08	8.41E-09	5.52E-09	1.39E-08
1922	563206.2	4234382	4.68E-08	4.18E-08	8.86E-08	7.95E-09	6.70E-09	1.46E-08	3.78E-08	3.07E-08	6.85E-08	6.19E-09	5.94E-09	1.21E-08	4.63E-09	3.04E-09	7.66E-09
1923	563196.7	4234381	4.89E-08	4.37E-08	9.26E-08	8.30E-09	7.00E-09	1.53E-08	3.95E-08	3.20E-08	7.15E-08	6.47E-09	6.21E-09	1.27E-08	4.83E-09	3.17E-09	8.00E-09
1924	563187.2	4234380	5.12E-08	4.57E-08	9.68E-08	8.68E-09	7.32E-09	1.60E-08	4.13E-08	3.35E-08	7.48E-08	6.77E-09	6.49E-09	1.33E-08	5.05E-09	3.32E-09	8.37E-09
1925	563177.6	4234379	5.36E-08	4.78E-08	1.01E-07	9.09E-09	7.66E-09	1.68E-08	4.33E-08	3.51E-08	7.83E-08	7.09E-09	6.80E-09	1.39E-08	5.29E-09	3.47E-09	8.76E-09
1926	563168.1	4234378	5.62E-08	5.01E-08	1.06E-07	9.53E-09	8.03E-09	1.76E-08	4.54E-08	3.68E-08	8.21E-08	7.43E-09	7.13E-09	1.46E-08	5.55E-09	3.64E-09	9.19E-09
1927	563158.6	4234378	5.90E-08	5.26E-08	1.12E-07	1.00E-08	8.43E-09	1.84E-08	4.76E-08	3.86E-08	8.62E-08	7.80E-09	7.48E-09	1.53E-08	5.82E-09	3.82E-09	9.64E-09
1928	563149.1	4234377	6.20E-08	5.53E-08	1.17E-07	1.05E-08	8.86E-09	1.94E-08	5.00E-08	4.05E-08	9.06E-08	8.19E-09	7.86E-09	1.61E-08	6.12E-09	4.02E-09	1.01E-08
1929	563139.6	4234376	6.51E-08	5.81E-08	1.23E-07	1.11E-08	9.31E-09	2.04E-08	5.26E-08	4.26E-08	9.52E-08	8.61E-09	8.26E-09	1.69E-08	6.43E-09	4.22E-09	1.07E-08
1930	563130	4234375	6.84E-08	6.10E-08	1.29E-07	1.16E-08	9.79E-09	2.14E-08	5.53E-08	4.48E-08	1.00E-07	9.05E-09	8.68E-09	1.77E-08	6.76E-09	4.44E-09	1.12E-08
1931	563120.5	4234375	7.20E-08	6.42E-08	1.36E-07	1.22E-08	1.03E-08	2.25E-08	5.82E-08	4.71E-08	1.05E-07	9.52E-09	9.14E-09	1.87E-08	7.11E-09	4.67E-09	1.18E-08
1932	563111	4234374	7.60E-08	6.78E-08	1.44E-07	1.29E-08	1.09E-08	2.38E-08	6.14E-08	4.98E-08	1.11E-07	1.01E-08	9.65E-09	1.97E-08	7.51E-09	4.93E-09	1.24E-08
1933	563207.8	4234362	4.30E-08	3.84E-08	8.14E-08	7.30E-09	6.15E-09	1.34E-08	3.47E-08	2.81E-08	6.29E-08	5.69E-09	5.46E-09	1.11E-08	4.25E-09	2.79E-09	7.03E-09
1934	563198.3	4234361	4.48E-08	3.99E-08	8.47E-08	7.59E-09	6.40E-09	1.40E-08	3.61E-08	2.93E-08	6.54E-08	5.92E-09	5.68E-09	1.16E-08	4.42E-09	2.90E-09	7.32E-09
1935	563188.8	4234360	4.66E-08	4.16E-08	8.83E-08	7.91E-09	6.67E-09	1.46E-08	3.77E-08	3.05E-08	6.82E-08	6.17E-09	5.92E-09	1.21E-08	4.61E-09	3.02E-09	7.63E-09
1936	563179.3	4234359	4.87E-08	4.34E-08	9.21E-08	8.26E-09	6.96E-09	1.52E-08	3.93E-08	3.19E-08	7.12E-08	6.44E-09	6.18E-09	1.26E-08	4.81E-09	3.16E-09	7.96E-09
1937	563169.8	4234359	5.09E-08	4.54E-08	9.63E-08	8.63E-09	7.28E-09	1.59E-08	4.11E-08	3.33E-08	7.44E-08	6.73E-09	6.46E-09	1.32E-08	5.03E-09	3.30E-09	8.32E-09
1938	563160.2	4234358	5.33E-08	4.75E-08	1.01E-07	9.04E-09	7.62E-09	1.67E-08	4.30E-08	3.49E-08	7.79E-08	7.05E-09	6.76E-09	1.38E-08	5.26E-09	3.45E-09	8.71E-09
1939	563150.7	4234357	5.59E-08	4.98E-08	1.06E-07	9.48E-09	7.99E-09	1.75E-08	4.51E-08	3.66E-08	8.17E-08	7.39E-09	7.09E-09	1.45E-08	5.52E-09	3.62E-09	9.14E-09
1940	563141.2	4234356	5.86E-08	5.23E-08	1.11E-07	9.95E-09	8.38E-09	1.83E-08	4.73E-08	3.84E-08	8.57E-08	7.75E-09	7.44E-09	1.52E-08	5.79E-09	3.80E-09	9.59E-09
1941	563131.7	4234355	6.15E-08	5.49E-08	1.16E-07	1.04E-08	8.80E-09	1.92E-08	4.97E-08	4.03E-08	8.99E-08	8.14E-09	7.81E-09	1.59E-08	6.08E-09	3.99E-09	1.01E-08
1942	563122.2	4234355	6.46E-08	5.77E-08	1.22E-07	1.10E-08	9.24E-09	2.02E-08	5.22E-08	4.23E-08	9.45E-08	8.55E-09	8.20E-09	1.67E-08	6.38E-09	4.19E-09	1.06E-08
1943	563112.6	4234354	6.83E-08	6.09E-08	1.29E-07	1.16E-08	9.76E-09	2.13E-08	5.51E-08	4.47E-08	9.98E-08	9.03E-09	8.66E-09	1.77E-08	6.74E-09	4.42E-09	1.12E-08
1944	563209.5	4234342	3.96E-08	3.54E-08	7.50E-08	6.73E-09	5.67E-09	1.24E-08	3.20E-08	2.59E-08	5.80E-08	5.24E-09	5.03E-09	1.03E-08	3.92E-09	2.57E-09	6.48E-09
1945	563200	4234341	4.11E-08	3.67E-08	7.78E-08	6.98E-09	5.88E-09	1.29E-08	3.32E-08	2.69E-08	6.01E-08	5.44E-09	5.22E-09	1.07E-08	4.06E-09	2.67E-09	6.73E-09
1946	563190.4	4234340	4.27E-08	3.81E-08	8.09E-08	7.25E-09	6.11E-09	1.34E-08	3.45E-08	2.80E-08	6.25E-08	5.65E-09	5.42E-09	1.11E-08	4.22E-09	2.77E-09	6.99E-09
1947	563180.9	4234339	4.45E-08	3.97E-08	8.41E-08	7.55E-09	6.36E-09	1.39E-08	3.59E-08	2.91E-08	6.50E-08	5.88E-09	5.64E-09	1.15E-08	4.39E-09	2.88E-09	7.27E-09
1948	563171.4	4234339	4.64E-08	4.14E-08	8.77E-08	7.87E-09	6.63E-09	1.45E-08	3.74E-08	3.03E-08	6.78E-08	6.13E-09	5.88E-09	1.20E-08	4.58E-09	3.00E-09	7.58E-09
1949	563161.9	4234338	4.84E-08	4.32E-08	9.16E-08	8.22E-09	6.92E-09	1.51E-08	3.91E-08	3.17E-08	7.08E-08	6.40E-09	6.14E-09	1.25E-08	4.78E-09	3.14E-09	7.92E-09
1950	563152.4	4234337	5.06E-08	4.52E-08	9.58E-08	8.59E-09	7.24E-09	1.58E-08	4.09E-08	3.31E-08	7.40E-08	6.70E-09	6.43E-09	1.31E-08	5.00E-09	3.28E-09	8.28E-09
1951	563142.8	4234336	5.31E-08	4.73E-08	1.00E-07	9.00E-09	7.59E-09	1.66E-08	4.28E-08	3.47E-08	7.76E-08	7.02E-09	6.73E-09	1.37E-08	5.24E-09	3.44E-09	8.68E-09
1952	563133.3	4234335	5.56E-08	4.96E-08	1.05E-07	9.44E-09	7.95E-09	1.74E-08	4.49E-08	3.64E-08	8.13E-08	7.35E-09	7.06E-09	1.44E-08	5.49E-09	3.60E-09	9.10E-09
1953	563123.8	4234335	5.83E-08	5.20E-08	1.10E-07	9.89E-09	8.34E-09	1.82E-08	4.71E-08	3.81E-08	8.52E-08	7.71E-09	7.40E-09	1.51E-08	5.76E-09	3.78E-09	9.53E-09
1954	563114.3	4234334	6.15E-08	5.49E-08	1.16E-07	1.04E-08	8.80E-09	1.92E-08	4.97E-08	4.03E-08	8.99E-08	8.14E-09	7.81E-09	1.59E-08	6.08E-09	3.99E-09	1.01E-08
1955	563212.8	4234302	3.41E-08	3.04E-08	6.45E-08	5.79E-09	4.88E-09	1.07E-08	2.75E-08	2.23E-08	4.98E-08	4.51E-09	4.33E-09	8.84E-09	3.37E-09	2.21E-09	5.58E-09
1956	563203.2	4234301	3.52E-08	3.14E-08	6.66E-08	5.97E-09	5.03E-09	1.10E-08	2.84E-08	2.30E-08	5.14E-08	4.65E-09	4.47E-09	9.12E-09	3.48E-09	2.28E-09	5.76E-09
1957	563193.7	4234300	3.64E-08	3.24E-08	6.88E-08	6.17E-09	5.20E-09	1.14E-08	2.94E-08	2.38E-08	5.32E-08	4.81E-09	4.62E-09	9.42E-09	3.59E-09	2.36E-09	5.95E-09
1958	563184.2	4234299	3.77E-08	3.36E-08	7.12E-08	6.39E-09	5.38E-09	1.18E-08	3.04E-08	2.46E-08	5.50E-08	4.98E-09	4.78E-09	9.76E-09	3.72E-09	2.44E-09	6.16E-09
1959	563174.7	4234299	3.91E-08	3.48E-08	7.39E-08	6.63E-09	5.59E-09	1.22E-08	3.15E-08	2.56E-08	5.71E-08	5.16E-09	4.96E-09	1.01E-08	3.86E-09	2.53E-09	6.39E-09
1960	563165.2	4234298	4.06E-08	3.62E-08	7.68E-08	6.89E-09	5.81E-09	1.27E-08	3.28E-08	2.66E-08	5.93E-08	5.37E-09	5.15E-09	1.05E-08	4.01E-09	2.63E-09	6.64E-09
1961	563155.6	4234297	4.23E-08	3.77E-08	8.00E-08	7.17E-09	6.05E-09	1.32E-08	3.41E-08	2.77E-08	6.18E-08	5.59E-09	5.37E-09	1.10E-08	4.18E-09	2.74E-09	6.92E-09
1962	563146.1	4234296	4.41E-08	3.94E-08	8.35E-08	7.49E-09	6.31E-09	1.38E-08	3.56E-08	2.89E-08	6.45E-08	5.83E-09	5.60E-09	1.14E-08	4.36E-09	2.86E-09	7.22E-09
1963	563136.6	4234296	4.61E-08	4.11E-08	8.72E-08	7.82E-09	6.59E-09	1.44E-08	3.72E-08	3.02E-08	6.74E-08	6.10E-09	5.85E-09	1.19E-08	4.55E-09	2.99E-09	7.54E-09
1964	563127.1	4234295	4.82E-08	4.30E-08	9.12E-08	8.18E-09	6.90E-09	1.51E-08	3.89E-08	3.16E-08	7.05E-08	6.38E-09	6.12E-09	1.25E-08	4.76E-09	3.12E-09	7.89E-09
1965	563117.6	4234294	5.07E-08	4.52E-08	9.59E-08	8.60E-09	7.25E-09	1.58E-08	4.09E-08	3.32E-08	7.41E-08	6.70E-09	6.43E-09	1.31E-08	5.00E-09	3.28E-09	8.29E-09
1966	563216	4234262	2.97E-08	2.65E-08	5.63E-08	5.05E-09	4.25E-09	9.30E-09	2.40E-08	1.95E-08	4.35E-08	3.93E-09	3.77E-09	7.71E-09	2.94E-09	1.93E-09	4.86E-09
1967	563206.5	4234261	3.05E-08	2.72E-08	5.78E-08	5.18E-09	4.37E-09	9.55E-09	2.47E-08	2.00E-08	4.46E-08	4.04E-09	3.87E-09	7.91E-09	3.02E-09	1.98E-09	4.99E-09
1968	563197	4234260	3.14E-08	2.80E-08	5.95E-08	5.33E-09	4.49E-09	9.83E-09	2.54E-08	2.06E-08	4.59E-08	4.16E-09	3.99E-09	8.14E-09	3.10E-09	2.04E-09	5.14E-09
1969	563187.5	4234260	3.24E-08	2.89E-08	6.13E-08	5.50E-09	4.63E-09	1.01E-08	2.62E-08	2.12E-08	4.73E-08	4.28E-09	4.11E-09	8.39E-09	3.20E-09	2.10E-09	5.30E-09
1970	563178	4234259	3.35E-08	2.98E-08	6.33E-08	5.68E-09	4.78E-09	1.05E-08	2.70E-08	2.19E-08	4.89E-08	4.42E-09	4.24E-09	8.67E-09	3.30E-09	2.17E-09	5.47E-09
1971	563168.4	4234258	3.46E-08	3.09E-08	6.55E-08	5.88E-09	4.95E-09	1.08E-08	2.80E-08	2.27E-08	5.06E-08	4.58E-09	4.39E-09	8.97E-09	3.42E-09	2.24E-09	5.66E-09
1972	563158.9	4234257	3.59E-08	3.20E-08	6.80E-08	6.10E-09	5.14E-09	1.12E-08	2.90E-08	2.35E-08	5.25E-08	4.75E-09	4.56E-09	9.31E-09	3.55E-09	2.33E-09	5.88E-09
1973	563149.4	4234256	3.73E-08	3.33E-08	7.07E-08	6.34E-09	5.34E-09	1.17E-08	3.02E-08	2.44E-08	5.46E-08	4.94E-09	4.74E-09	9.68E-09	3.69E-09	2.42E-09	6.11E-09
1974	563139.9	4234256	3.89E-08	3.47E-08	7.36E-08	6.60E-09	5.56E-09	1.22E-08	3.14E-08	2.54E-08	5.68E-08	5.14E-09	4.93E-09	1.01E-08	3.84E-09	2.52E-09	6.36E-09
1975	563130.4	4234255	4.06E-08	3.62E-08	7.67E-08	6.88E-09	5.80E-09	1.27E-08	3.27E-08	2.65E-08	5.93E-08	5.36E-09	5.15E-09	1.05E-08	4.01E-09	2.63E-09	6.63E-09
1976	563120.8	4234254	4.23E-08	3.78E-08	8.01E-08	7.19E-09	6.06E-09	1.32E-08	3.42E-08	2.77E-08	6.19E-08	5.60E-09	5.37E-09	1.10E-08	4.18E-09	2.74E-09	6.93E-09
1977	563219.3	4234222	2.67E-08	2.38E-08	5.05E-08	4.53E-09	3.82E-09	8.35E-09	2.16E-08	1.75E-08	3.90E-08	3.53E-09	3.39E-09	6.92E-09	2.64E-09	1.73E-09	4.37E-09
1978	563209.8	4234221	2.73E-08	2.43E-08	5.16E-08	4.63E-09	3.90E-09	8.52E-09	2.20E-08	1.78E-08	3.98E-08	3.61E-09	3.46E-09	7.06E-09	2.69E-09	1.77E-09	4.46E-09
1979	563200.3	4234221	2.78E-08	2.48E-08	5.26E-08	4.71E-09	3.97E-09	8.69E-09	2.24E-08	1.82E-08	4.06E-08	3.67E-09	3.53E-09	7.20E-09	2.74E-09	1.80E-09	4.54E-09
1980	563190.8	4234220	2.84E-08	2.53E-08	5.37E-08	4.81E-09	4.06E-09	8.87E-09	2.29E-08	1.86E-08	4.15E-08	3.75E-09	3.60E-09	7.35E-09	2.80E-09	1.84E-09	4.64E-09
1981	563181.2	4234219	2.90E-08	2.59E-08	5.50E-08	4.93E-09	4.15E-09	9.08E-09	2.35E-08	1.90E-08	4.25E-08	3.84E-09	3.69E-09	7.53E-09	2.87E-09	1.88E-09	4.75E-09
1982	563171.7	4234218	3.00E-08	2.67E-08	5.67E-08	5.08E-09	4.28E-09	9.37E-09	2.42E-08	1.96E-08	4.38E-08	3.96E-09	3.80E-09	7.76E-09	2.96E-09	1.94E-09	4.90E-09
1983	563162.2	4234217	3.10E-08	2.76E-08	5.86E-08	5.25E-09	4.43E-09	9.68E-09	2.50E-08	2.03E-08	4.53E-08	4.10E-09	3.93E-09	8.02E-09	3.06E-09	2.01E-09	5.07E-09
1984	563152.7	4234217	3.21E-08	2.86E-08	6.07E-08	5.44E-09	4.59E-09	1.00E-08	2.59E-08	2.10E-08	4.69E-08	4.24E-09	4.07E-09	8.31E-09	3.17E-09	2.08E-09	5.25E-09
1985	563143.2	4234216	3.33E-08	2.97E-08	6.30E-08	5.65E-09	4.76E-09	1.04E-08	2.69E-08	2.18E-08	4.87E-08	4.40E-09	4.23E-09	8.63E-09	3.29E-09	2.16E-09	5.45E-09
1986	563133.6	4234215	3.46E-08	3.09E-08	6.55E-08	5.88E-09	4.95E-09	1.08E-08	2.80E-08	2.27E-08	5.06E-08	4.58E-09	4.39E-09	8.97E-09	3.42E-09	2.24E-09	5.66E-09
1987	563124.1	4234214	3.60E-08	3.22E-08	6.82E-08	6.12E-09	5.16E-09	1.13E-08	2.91E-08	2.36E-08	5.27E-08	4.77E-09	4.57E-09	9.34E-09	3.56E-09	2.34E-09	5.90E-09
1988	563222.6	4234182	2.38E-08	2.13E-08	4.51E-08	4.04E-09	3.41E-09	7.45E-09	1.92E-08	1.56E-08	3.48E-08	3.15E-09	3.02E-09	6.18E-09	2.35E-09	1.54E-09	3.90E-09
1989	563213.1	4234181	2.43E-08	2.17E-08	4.60E-08	4.12E-09	3.48E-09	7.60E-09	1.96E-08	1.59E-08	3.55E-08	3.21E-09	3.08E-09	6.30E-09	2.40E-09	1.58E-09	3.98E-09
1990	563203.6	4234181	2.47E-08	2.20E-08	4.67E-08	4.18E-09	3.53E-09	7.71E-09	1.99E-08	1.61E-08	3.60E-08	3.26E-09	3.13E-09	6.39E-09	2.44E-09	1.60E-09	4.03E-09
1991	563194	4234180	2.51E-08	2.24E-08	4.74E-08	4.25E-09	3.58E-09	7.84E-09	2.02E-08	1.64E-08	3.66E-08	3.31E-09	3.18E-09	6.50E-09	2.48E-09	1.62E-09	4.10E-09
1992	563184.5	4234179	2.55E-08	2.28E-08	4.83E-08	4.33E-09	3.65E-09	7.98E-09	2.06E-08	1.67E-08	3.73E-08	3.38E-09	3.24E-09	6.62E-09	2.52E-09	1.65E-09	4.18E-09
1993	563175	4234178	2.62E-08	2.34E-08	4.96E-08	4.45E-09	3.75E-09	8.20E-09	2.12E-08	1.72E-08	3.84E-08	3.47E-09	3.33E-09	6.80E-09	2.59E-09	1.70E-09	4.29E-09
1994	563165.5	4234178	2.70E-08	2.41E-08	5.11E-08	4.59E-09	3.87E-09	8.45E-09	2.18E-08	1.77E-08	3.95E-08	3.57E-09	3.43E-09	7.00E-09	2.67E-09	1.75E-09	4.42E-09
1995	563156	4234177	2.79E-08	2.49E-08	5.28E-08	4.74E-09	3.99E-09	8.73E-09	2.25E-08	1.83E-08	4.08E-08	3.69E-09	3.54E-09	7.23E-09	2.76E-09	1.81E-09	4.57E-09
1996	563146.4	4234176	2.89E-08	2.58E-08	5.47E-08	4.90E-09	4.13E-09	9.03E-09	2.33E-08	1.89E-08	4.22E-08	3.82E-09	3.67E-09	7.48E-09	2.85E-09	1.87E-09	4.72E-09
1997	563136.9	4234175	2.99E-08	2.67E-08	5.67E-08	5.08E-09	4.28E-09	9.36E-09	2.42E-08	1.96E-08	4.38E-08	3.96E-09	3.80E-09	7.76E-09	2.96E-09	1.94E-09	4.90E-09
1998	563127.4	4234174	3.11E-08	2.77E-08	5.88E-08	5.28E-09	4.45E-09	9.72E-09	2.51E-08	2.03E-08	4.55E-08	4.11E-09	3.95E-09	8.06E-09	3.07E-09	2.02E-09	5.09E-09

1999	563225.9	4234142	2.12E-08	1.89E-08	4.02E-08	3.60E-09	3.04E-09	6.64E-09	1.71E-08	1.39E-08	3.10E-08	2.81E-09	2.69E-09	5.50E-09	2.10E-09	1.38E-09	3.47E-09
2000	563216.4	4234142	2.15E-08	1.92E-08	4.07E-08	3.65E-09	3.08E-09	6.73E-09	1.74E-08	1.41E-08	3.15E-08	2.85E-09	2.73E-09	5.58E-09	2.13E-09	1.40E-09	3.52E-09
2001	563206.8	4234141	2.19E-08	1.95E-08	4.13E-08	3.71E-09	3.13E-09	6.83E-09	1.76E-08	1.43E-08	3.19E-08	2.89E-09	2.77E-09	5.66E-09	2.16E-09	1.42E-09	3.57E-09
2002	563197.3	4234140	2.22E-08	1.98E-08	4.21E-08	3.77E-09	3.18E-09	6.95E-09	1.80E-08	1.45E-08	3.25E-08	2.94E-09	2.82E-09	5.76E-09	2.20E-09	1.44E-09	3.64E-09
2003	563187.8	4234139	2.27E-08	2.02E-08	4.29E-08	3.85E-09	3.24E-09	7.09E-09	1.83E-08	1.48E-08	3.31E-08	3.00E-09	2.88E-09	5.87E-09	2.24E-09	1.47E-09	3.71E-09
2004	563178.3	4234138	2.32E-08	2.07E-08	4.39E-08	3.94E-09	3.32E-09	7.26E-09	1.87E-08	1.52E-08	3.39E-08	3.07E-09	2.95E-09	6.01E-09	2.29E-09	1.50E-09	3.80E-09
2005	563168.8	4234138	2.38E-08	2.13E-08	4.51E-08	4.05E-09	3.41E-09	7.46E-09	1.93E-08	1.56E-08	3.49E-08	3.15E-09	3.03E-09	6.18E-09	2.36E-09	1.55E-09	3.90E-09
2006	563159.2	4234137	2.46E-08	2.19E-08	4.65E-08	4.17E-09	3.51E-09	7.68E-09	1.98E-08	1.61E-08	3.59E-08	3.25E-09	3.12E-09	6.36E-09	2.42E-09	1.59E-09	4.02E-09
2007	563149.7	4234136	2.53E-08	2.26E-08	4.79E-08	4.30E-09	3.62E-09	7.92E-09	2.05E-08	1.66E-08	3.70E-08	3.35E-09	3.21E-09	6.57E-09	2.50E-09	1.64E-09	4.14E-09
2008	563140.2	4234135	2.62E-08	2.34E-08	4.96E-08	4.44E-09	3.75E-09	8.19E-09	2.12E-08	1.71E-08	3.83E-08	3.46E-09	3.32E-09	6.79E-09	2.59E-09	1.70E-09	4.28E-09
2009	563130.7	4234135	2.71E-08	2.42E-08	5.13E-08	4.60E-09	3.88E-09	8.48E-09	2.19E-08	1.78E-08	3.97E-08	3.59E-09	3.44E-09	7.03E-09	2.68E-09	1.76E-09	4.44E-09
2010	563229.2	4234103	1.89E-08	1.69E-08	3.58E-08	3.21E-09	2.70E-09	5.91E-09	1.53E-08	1.24E-08	2.76E-08	2.50E-09	2.40E-09	4.90E-09	1.87E-09	1.23E-09	3.09E-09
2011	563219.6	4234102	1.92E-08	1.71E-08	3.63E-08	3.25E-09	2.74E-09	6.00E-09	1.55E-08	1.25E-08	2.80E-08	2.54E-09	2.43E-09	4.97E-09	1.89E-09	1.24E-09	3.14E-09
2012	563210.1	4234101	1.95E-08	1.74E-08	3.69E-08	3.31E-09	2.79E-09	6.09E-09	1.57E-08	1.28E-08	2.85E-08	2.58E-09	2.47E-09	5.05E-09	1.92E-09	1.26E-09	3.19E-09
2013	563200.6	4234100	1.99E-08	1.77E-08	3.76E-08	3.37E-09	2.84E-09	6.21E-09	1.60E-08	1.30E-08	2.90E-08	2.63E-09	2.52E-09	5.14E-09	1.96E-09	1.29E-09	3.25E-09
2014	563191.1	4234099	2.03E-08	1.81E-08	3.83E-08	3.44E-09	2.90E-09	6.33E-09	1.64E-08	1.33E-08	2.96E-08	2.68E-09	2.57E-09	5.25E-09	2.00E-09	1.31E-09	3.31E-09
2015	563181.6	4234099	2.07E-08	1.85E-08	3.92E-08	3.52E-09	2.96E-09	6.48E-09	1.67E-08	1.36E-08	3.03E-08	2.74E-09	2.63E-09	5.37E-09	2.05E-09	1.34E-09	3.39E-09
2016	563172	4234098	2.12E-08	1.89E-08	4.02E-08	3.60E-09	3.04E-09	6.64E-09	1.71E-08	1.39E-08	3.10E-08	2.81E-09	2.69E-09	5.50E-09	2.10E-09	1.38E-09	3.47E-09
2017	563162.5	4234097	2.18E-08	1.95E-08	4.13E-08	3.70E-09	3.12E-09	6.82E-09	1.76E-08	1.43E-08	3.19E-08	2.88E-09	2.77E-09	5.65E-09	2.15E-09	1.41E-09	3.57E-09
2018	563153	4234096	2.24E-08	2.00E-08	4.25E-08	3.81E-09	3.21E-09	7.02E-09	1.81E-08	1.47E-08	3.28E-08	2.97E-09	2.85E-09	5.81E-09	2.22E-09	1.45E-09	3.67E-09
2019	563143.5	4234095	2.31E-08	2.06E-08	4.38E-08	3.93E-09	3.31E-09	7.24E-09	1.87E-08	1.51E-08	3.38E-08	3.06E-09	2.94E-09	6.00E-09	2.29E-09	1.50E-09	3.78E-09
2020	563134	4234095	2.39E-08	2.13E-08	4.52E-08	4.06E-09	3.42E-09	7.47E-09	1.93E-08	1.56E-08	3.49E-08	3.16E-09	3.03E-09	6.19E-09	2.36E-09	1.55E-09	3.91E-09
2021	563232.5	4234063	1.71E-08	1.53E-08	3.24E-08	2.91E-09	2.45E-09	5.36E-09	1.38E-08	1.12E-08	2.50E-08	2.27E-09	2.17E-09	4.44E-09	1.69E-09	1.11E-09	2.80E-09
2022	563222.9	4234062	1.74E-08	1.55E-08	3.29E-08	2.95E-09	2.48E-09	5.43E-09	1.40E-08	1.14E-08	2.54E-08	2.30E-09	2.20E-09	4.50E-09	1.72E-09	1.13E-09	2.84E-09
2023	563213.4	4234061	1.76E-08	1.57E-08	3.34E-08	2.99E-09	2.52E-09	5.52E-09	1.42E-08	1.15E-08	2.58E-08	2.33E-09	2.24E-09	4.57E-09	1.74E-09	1.14E-09	2.89E-09
2024	563203.9	4234060	1.79E-08	1.60E-08	3.39E-08	3.04E-09	2.56E-09	5.61E-09	1.45E-08	1.17E-08	2.62E-08	2.37E-09	2.28E-09	4.65E-09	1.77E-09	1.16E-09	2.93E-09
2025	563194.4	4234060	1.83E-08	1.63E-08	3.46E-08	3.10E-09	2.61E-09	5.71E-09	1.47E-08	1.19E-08	2.67E-08	2.41E-09	2.32E-09	4.73E-09	1.80E-09	1.18E-09	2.99E-09
2026	563184.8	4234059	1.86E-08	1.66E-08	3.53E-08	3.16E-09	2.66E-09	5.83E-09	1.50E-08	1.22E-08	2.72E-08	2.46E-09	2.36E-09	4.83E-09	1.84E-09	1.21E-09	3.05E-09
2027	563175.3	4234058	1.91E-08	1.70E-08	3.60E-08	3.23E-09	2.72E-09	5.96E-09	1.54E-08	1.25E-08	2.78E-08	2.52E-09	2.42E-09	4.94E-09	1.88E-09	1.23E-09	3.12E-09
2028	563165.8	4234057	1.95E-08	1.74E-08	3.69E-08	3.31E-09	2.79E-09	6.10E-09	1.58E-08	1.28E-08	2.85E-08	2.58E-09	2.48E-09	5.06E-09	1.93E-09	1.27E-09	3.19E-09
2029	563156.3	4234056	2.00E-08	1.79E-08	3.79E-08	3.40E-09	2.87E-09	6.27E-09	1.62E-08	1.31E-08	2.93E-08	2.65E-09	2.54E-09	5.19E-09	1.98E-09	1.30E-09	3.28E-09
2030	563146.8	4234056	2.06E-08	1.84E-08	3.90E-08	3.50E-09	2.95E-09	6.45E-09	1.66E-08	1.35E-08	3.01E-08	2.73E-09	2.62E-09	5.34E-09	2.04E-09	1.34E-09	3.37E-09
2031	563137.2	4234055	2.13E-08	1.90E-08	4.02E-08	3.61E-09	3.04E-09	6.64E-09	1.72E-08	1.39E-08	3.11E-08	2.81E-09	2.70E-09	5.51E-09	2.10E-09	1.38E-09	3.48E-09
2032	563226.2	4234022	1.58E-08	1.41E-08	3.00E-08	2.69E-09	2.27E-09	4.95E-09	1.28E-08	1.04E-08	2.32E-08	2.10E-09	2.01E-09	4.11E-09	1.56E-09	1.03E-09	2.59E-09
2033	563216.7	4234021	1.61E-08	1.43E-08	3.04E-08	2.72E-09	2.30E-09	5.02E-09	1.30E-08	1.05E-08	2.35E-08	2.12E-09	2.04E-09	4.16E-09	1.59E-09	1.04E-09	2.63E-09
2034	563207.2	4234020	1.63E-08	1.45E-08	3.08E-08	2.77E-09	2.33E-09	5.10E-09	1.32E-08	1.07E-08	2.38E-08	2.16E-09	2.07E-09	4.22E-09	1.61E-09	1.06E-09	2.67E-09
2035	563197.6	4234020	1.66E-08	1.48E-08	3.13E-08	2.81E-09	2.37E-09	5.18E-09	1.34E-08	1.08E-08	2.42E-08	2.19E-09	2.10E-09	4.29E-09	1.64E-09	1.07E-09	2.71E-09
2036	563188.1	4234019	1.69E-08	1.51E-08	3.19E-08	2.86E-09	2.41E-09	5.28E-09	1.36E-08	1.10E-08	2.47E-08	2.23E-09	2.14E-09	4.37E-09	1.67E-09	1.09E-09	2.76E-09
2037	563178.6	4234018	1.72E-08	1.54E-08	3.26E-08	2.92E-09	2.46E-09	5.38E-09	1.39E-08	1.13E-08	2.52E-08	2.28E-09	2.18E-09	4.46E-09	1.70E-09	1.12E-09	2.82E-09
2038	563169.1	4234017	1.76E-08	1.57E-08	3.33E-08	2.99E-09	2.52E-09	5.50E-09	1.42E-08	1.15E-08	2.57E-08	2.33E-09	2.23E-09	4.56E-09	1.74E-09	1.14E-09	2.88E-09
2039	563159.6	4234017	1.80E-08	1.61E-08	3.41E-08	3.06E-09	2.58E-09	5.64E-09	1.46E-08	1.18E-08	2.64E-08	2.39E-09	2.29E-09	4.67E-09	1.78E-09	1.17E-09	2.95E-09
2040	563150	4234016	1.85E-08	1.65E-08	3.50E-08	3.14E-09	2.65E-09	5.79E-09	1.49E-08	1.21E-08	2.71E-08	2.45E-09	2.35E-09	4.80E-09	1.83E-09	1.20E-09	3.03E-09
2041	563140.5	4234015	1.90E-08	1.70E-08	3.60E-08	3.23E-09	2.72E-09	5.95E-09	1.54E-08	1.25E-08	2.78E-08	2.52E-09	2.42E-09	4.93E-09	1.88E-09	1.23E-09	3.11E-09
2042	563229.5	4233982	1.45E-08	1.30E-08	2.75E-08	2.46E-09	2.08E-09	4.54E-09	1.17E-08	9.51E-09	2.12E-08	1.92E-09	1.84E-09	3.76E-09	1.43E-09	9.41E-10	2.38E-09
2043	563220	4233981	1.47E-08	1.31E-08	2.78E-08	2.49E-09	2.10E-09	4.60E-09	1.19E-08	9.62E-09	2.15E-08	1.94E-09	1.86E-09	3.81E-09	1.45E-09	9.53E-10	2.40E-09
2044	563210.5	4233981	1.49E-08	1.33E-08	2.82E-08	2.53E-09	2.13E-09	4.66E-09	1.20E-08	9.75E-09	2.18E-08	1.97E-09	1.89E-09	3.86E-09	1.47E-09	9.65E-10	2.44E-09
2045	563200.9	4233980	1.51E-08	1.35E-08	2.86E-08	2.56E-09	2.16E-09	4.73E-09	1.22E-08	9.89E-09	2.21E-08	2.00E-09	1.92E-09	3.92E-09	1.49E-09	9.80E-10	2.47E-09
2046	563191.4	4233979	1.54E-08	1.37E-08	2.91E-08	2.61E-09	2.20E-09	4.80E-09	1.24E-08	1.01E-08	2.25E-08	2.03E-09	1.95E-09	3.98E-09	1.52E-09	9.96E-10	2.51E-09
2047	563181.9	4233978	1.57E-08	1.40E-08	2.96E-08	2.66E-09	2.24E-09	4.89E-09	1.26E-08	1.02E-08	2.29E-08	2.07E-09	1.99E-09	4.06E-09	1.55E-09	1.01E-09	2.56E-09
2048	563172.4	4233977	1.60E-08	1.43E-08	3.02E-08	2.71E-09	2.28E-09	4.99E-09	1.29E-08	1.05E-08	2.34E-08	2.11E-09	2.03E-09	4.14E-09	1.58E-09	1.04E-09	2.61E-09
2049	563162.8	4233977	1.63E-08	1.46E-08	3.09E-08	2.77E-09	2.34E-09	5.11E-09	1.32E-08	1.07E-08	2.39E-08	2.16E-09	2.07E-09	4.23E-09	1.61E-09	1.06E-09	2.67E-09
2050	563153.3	4233976	1.67E-08	1.49E-08	3.17E-08	2.84E-09	2.39E-09	5.23E-09	1.35E-08	1.10E-08	2.45E-08	2.21E-09	2.12E-09	4.34E-09	1.65E-09	1.08E-09	2.74E-09
2051	563143.8	4233975	1.72E-08	1.53E-08	3.25E-08	2.91E-09	2.46E-09	5.37E-09	1.39E-08	1.12E-08	2.51E-08	2.27E-09	2.18E-09	4.45E-09	1.70E-09	1.11E-09	2.81E-09
2052	563232.8	4233942	1.34E-08	1.19E-08	2.53E-08	2.27E-09	1.91E-09	4.18E-09	1.08E-08	8.75E-09	1.96E-08	1.77E-09	1.70E-09	3.47E-09	1.32E-09	8.67E-10	2.19E-09
2053	563223.3	4233941	1.35E-08	1.21E-08	2.56E-08	2.29E-09	1.93E-09	4.23E-09	1.09E-08	8.84E-09	1.98E-08	1.79E-09	1.72E-09	3.50E-09	1.33E-09	8.76E-10	2.21E-09
2054	563213.7	4233941	1.37E-08	1.22E-08	2.59E-08	2.32E-09	1.96E-09	4.28E-09	1.10E-08	8.95E-09	2.00E-08	1.81E-09	1.74E-09	3.54E-09	1.35E-09	8.86E-10	2.24E-09
2055	563204.2	4233940	1.39E-08	1.24E-08	2.62E-08	2.35E-09	1.98E-09	4.33E-09	1.12E-08	9.07E-09	2.03E-08	1.83E-09	1.76E-09	3.59E-09	1.37E-09	8.98E-10	2.27E-09
2056	563194.7	4233939	1.41E-08	1.26E-08	2.66E-08	2.39E-09	2.01E-09	4.40E-09	1.14E-08	9.21E-09	2.06E-08	1.86E-09	1.79E-09	3.65E-09	1.39E-09	9.12E-10	2.30E-09
2057	563185.2	4233938	1.43E-08	1.28E-08	2.71E-08	2.43E-09	2.05E-09	4.47E-09	1.16E-08	9.36E-09	2.09E-08	1.89E-09	1.82E-09	3.71E-09	1.41E-09	9.27E-10	2.34E-09
2058	563175.6	4233938	1.46E-08	1.30E-08	2.76E-08	2.47E-09	2.08E-09	4.56E-09	1.18E-08	9.54E-09	2.13E-08	1.93E-09	1.85E-09	3.78E-09	1.44E-09	9.45E-10	2.38E-09
2059	563166.1	4233937	1.49E-08	1.33E-08	2.82E-08	2.53E-09	2.13E-09	4.65E-09	1.20E-08	9.74E-09	2.18E-08	1.97E-09	1.89E-09	3.86E-09	1.47E-09	9.64E-10	2.43E-09
2060	563156.6	4233936	1.52E-08	1.36E-08	2.88E-08	2.58E-09	2.18E-09	4.76E-09	1.23E-08	9.96E-09	2.22E-08	2.01E-09	1.93E-09	3.94E-09	1.50E-09	9.86E-10	2.49E-09
2061	563147.1	4233935	1.56E-08	1.39E-08	2.95E-08	2.65E-09	2.23E-09	4.88E-09	1.26E-08	1.02E-08	2.28E-08	2.06E-09	1.98E-09	4.04E-09	1.54E-09	1.01E-09	2.55E-09
2062	563078.9	4234641	3.65E-07	3.26E-07	6.91E-07	6.20E-08	5.23E-08	1.14E-07	2.95E-07	2.39E-07	5.34E-07	4.83E-08	4.64E-08	9.47E-08	3.61E-08	2.37E-08	5.98E-08
2063	563078.1	4234651	3.76E-07	3.35E-07	7.11E-07	6.38E-08	5.38E-08	1.18E-07	3.04E-07	2.46E-07	5.50E-07	4.97E-08	4.77E-08	9.74E-08	3.71E-08	2.44E-08	6.15E-08
2064	563077.3	4234660	3.84E-07	3.42E-07	7.26E-07	6.51E-08	5.49E-08	1.20E-07	3.10E-07	2.51E-07	5.61E-07	5.08E-08	4.87E-08	9.95E-08	3.79E-08	2.49E-08	6.28E-08
2065	563076.5	4234669	3.87E-07	3.46E-07	7.33E-07	6.57E-08	5.54E-08	1.21E-07	3.13E-07	2.54E-07	5.66E-07	5.12E-08	4.92E-08	1.00E-07	3.83E-08	2.51E-08	6.34E-08
2066	563075.7	4234679	3.85E-07	3.43E-07	7.28E-07	6.53E-08	5.50E-08	1.20E-07	3.11E-07	2.52E-07	5.62E-07	5.09E-08	4.88E-08	9.97E-08	3.80E-08	2.49E-08	6.29E-08
2067	563074.9	4234688	3.81E-07	3.40E-07	7.20E-07	6.46E-08	5.44E-08	1.19E-07	3.07E-07	2.49E-07	5.56E-07	5.03E-08	4.83E-08	9.86E-08	3.76E-08	2.47E-08	6.23E-08
2068	563074.1	4234697	3.76E-07	3.35E-07	7.10E-07	6.37E-08	5.37E-08	1.17E-07	3.03E-07	2.46E-07	5.49E-07	4.97E-08	4.76E-08	9.73E-08	3.71E-08	2.43E-08	6.14E-08
2069	563073.3	4234707	3.71E-07	3.31E-07	7.02E-07	6.30E-08	5.31E-08	1.16E-07	3.00E-07	2.43E-07	5.43E-07	4.91E-08	4.71E-08	9.62E-08	3.67E-08	2.41E-08	6.07E-08
2070	563072.5	4234716	3.65E-07	3.26E-07	6.91E-07	6.20E-08	5.23E-08	1.14E-07	2.95E-07	2.39E-07	5.34E-07	4.83E-08	4.64E-08	9.47E-08	3.61E-08	2.37E-08	5.98E-08
2071	563071.7	4234725	3.58E-07	3.20E-07	6.78E-07	6.08E-08	5.13E-08	1.12E-07	2.89E-07	2.35E-07	5.24E-07	4.74E-08	4.55E-08	9.29E-08	3.54E-08	2.32E-08	5.86E-08
2072	563070.9	4234734	3.53E-07	3.15E-07	6.68E-07	5.99E-08	5.05E-08	1.10E-07	2.85E-07	2.31E-07	5.16E-07	4.67E-08	4.48E-08	9.15E-08	3.49E-08	2.29E-08	5.77E-08
2073	563070.1	4234744	3.48E-07	3.10E-07	6.58E-07	5.90E-08	4.97E-08	1.09E-07	2.81E-07	2.28E-07	5.08E-07	4.60E-08	4.41E-08	9.01E-08	3.43E-08	2.25E-08	5.69E-08
2074	563068.9	4234640	3.26E-07	2.91E-07	6.17E-07	5.54E-08	4.67E-08	1.02E-07	2.63E-07	2.13E-07	4.77E-07	4.31E-08	4.14E-08	8.45E-08	3.22E-08	2.11E-08	5.34E-08
2075	563068.1	4234650	3.34E-07	2.98E-07	6.32E-07	5.67E-08	4.78E-08	1.04E-07	2.70E-07	2.19E-07	4.88E-07	4.42E-08	4.24E-08	8.66E-08	3.30E-08	2.17E-08	5.46E-08
2076	563067.3	4234659	3.40E-07	3.03E-07	6.43E-07	5.76E-08	4.86E-08	1.06E-07	2.74E-07	2.22E-07	4.97E-07	4.49E-08	4.31E-08	8.80E-08	3.36E-08	2.20E-08	5.56E-08
2077	563066.5	4234668	3.42E-07	3.05E-07	6.48E-07	5.81E-08	4.89E-08	1.07E-07	2.76E-07	2.24E-07	5.00E-07	4.53E-08	4.34E-08	8.87E-08	3.38E-08	2.22E-08	5.60E-08
2078	563065.8	4234678	3.39E-07	3.02E-07	6.41E-07	5.75E-08	4.84E-08	1.06E-07	2.73E-07	2.22E-07	4.95E-07	4.48E-08	4.30E-08	8.78E-08	3.34E-08	2.20E-08	5.54E-08
2079	563065	4234687	3.34E-07	2.98E-07	6.31E-07	5.66E-08	4.77E-08	1.04E-07	2.69E-07	2.18E-07	4.88E-07	4.41E-08	4.23E-08	8.65E-08	3.30E-08	2.16E-08	5.46E-08
2080	563064.2	4234696	3.27E-07	2.92E-07	6.20E-07	5.56E-08	4.68E-08	1.02E-07	2.64E-07	2.14E-07	4.79E-07	4.33E-08	4.16E-08	8.49E-08	3.23E-08	2.12E-08	5.36E-08
2081	563063.4	4234706	3.20E-07	2.86E-07	6.06E-07	5.44E-08	4.58E-08	1.00E-07	2.59E-07	2.10E-07	4.68E-07	4.24E-08	4.06E-08	8.30E-08	3.16E-08	2.08E-08	5.24E-08
2082	563062.6	4234715	3.12E-07	2.79E-07	5.91E-07	5.30E-08	4.47E-08	9.77E-08	2.52E-07	2.04E-07	4.57E-07	4.13E-08	3.96E-08	8.09E-08	3.08E-08	2.02E-08	5.11E-08
2083	563061.8	4234724	3.04E-07	2.71E-07	5.74E-07	5.15E-08	4.34E-08	9.49E-08	2.45E-07	1.99E-07	4.44E-07	4.01E-08	3.85E-08	7.87E-08	3.00E-08	1.97E-08	4.97E-08
2084	563061	4234734	2.98E-07	2.66E-07	5.64E-07	5.06E-08	4.27E-08	9.33E-08	2.41E-07	1.95E-07	4.36E-07	3.95E-08	3.79E-08	7.73E-08	2.95E-08	1.93E-08	4.88E-08
2085	563060.2	4234743	2.94E-07	2.62E-07	5.56E-07	4.98E-08	4.20E-08	9.18E-08	2.37E-07	1.92E-07	4.29E-07	3.88E-08	3.73E-08	7.61E-08	2.90E-08	1.90E-08	4.80E-08
2086	563059	4234640	2.92E-07	2.60E-07	5.52E-07	4.95E-08	4.17E-08	9.13E-08	2.36E-07	1.91E-07	4.27E-07	3.86E-08	3.70E-08	7.56E-08	2.88E-08	1.89E-08	4.78E-08
2087	563058.2	4234649	2.98E-07	2.66E-07	5.63E-07	5.05E-08	4.26E-08	9.31E-08	2.40E-07	1.95E-07	4.35E-07	3.94E-08	3.78E-08	7.72E-08	2.94E-08	1.93E-08	4.87E-08
2088	563057.4	4234658	3.02E-07	2.69E-07	5.71E-07	5.12E-08	4.32E-08	9.44E-08	2.44E-07	1.97E-07	4.41E-07	3.99E-08	3.83E-08	7.82E-08	2.98E-08	1.96E-08	4.94E-08
2089	563056.6	4234668	3.04E-07	2.71E-07	5.74E-07	5.15E-08	4.34E-08	9.49E-08	2.45E-07	1.99E-07	4.44E-07	4.01E-08	3.85E-08	7.87E-08	3.00E-08	1.97E-08	4.97E-08

2090	563055.8	4234677	2.99E-07	2.67E-07	5.67E-07	5.08E-08	4.28E-08	9.36E-08	2.42E-07	1.96E-07	4.38E-07	3.96E-08	3.80E-08	7.76E-08	2.96E-08	1.94E-08	4.90E-08
2091	563055	4234686	2.94E-07	2.62E-07	5.56E-07	4.99E-08	4.20E-08	9.19E-08	2.37E-07	1.92E-07	4.30E-07	3.89E-08	3.73E-08	7.62E-08	2.90E-08	1.91E-08	4.81E-08
2092	563054.2	4234696	2.88E-07	2.57E-07	5.44E-07	4.88E-08	4.11E-08	8.99E-08	2.32E-07	1.88E-07	4.20E-07	3.80E-08	3.65E-08	7.45E-08	2.84E-08	1.86E-08	4.70E-08
2093	563053.4	4234705	2.80E-07	2.50E-07	5.30E-07	4.76E-08	4.01E-08	8.76E-08	2.26E-07	1.83E-07	4.10E-07	3.71E-08	3.56E-08	7.26E-08	2.77E-08	1.82E-08	4.58E-08
2094	563052.6	4234714	2.72E-07	2.43E-07	5.15E-07	4.62E-08	3.89E-08	8.51E-08	2.20E-07	1.78E-07	3.98E-07	3.60E-08	3.45E-08	7.05E-08	2.69E-08	1.76E-08	4.45E-08
2095	563051.8	4234723	2.63E-07	2.35E-07	4.99E-07	4.47E-08	3.77E-08	8.24E-08	2.13E-07	1.72E-07	3.85E-07	3.48E-08	3.34E-08	6.83E-08	2.60E-08	1.71E-08	4.31E-08
2096	563051	4234733	2.58E-07	2.30E-07	4.87E-07	4.37E-08	3.68E-08	8.05E-08	2.08E-07	1.69E-07	3.77E-07	3.41E-08	3.27E-08	6.67E-08	2.54E-08	1.67E-08	4.21E-08
2097	563050.2	4234742	2.53E-07	2.25E-07	4.78E-07	4.29E-08	3.61E-08	7.90E-08	2.04E-07	1.65E-07	3.69E-07	3.34E-08	3.21E-08	6.55E-08	2.49E-08	1.64E-08	4.13E-08
2098	563071.1	4234600	2.82E-07	2.52E-07	5.34E-07	4.79E-08	4.04E-08	8.82E-08	2.28E-07	1.85E-07	4.12E-07	3.73E-08	3.58E-08	7.31E-08	2.79E-08	1.83E-08	4.62E-08
2099	563049	4234639	2.62E-07	2.34E-07	4.95E-07	4.44E-08	3.74E-08	8.19E-08	2.11E-07	1.71E-07	3.83E-07	3.46E-08	3.32E-08	6.79E-08	2.59E-08	1.70E-08	4.28E-08
2100	563048.2	4234648	2.66E-07	2.37E-07	5.03E-07	4.52E-08	3.81E-08	8.32E-08	2.15E-07	1.74E-07	3.89E-07	3.52E-08	3.38E-08	6.90E-08	2.63E-08	1.72E-08	4.35E-08
2101	563047.4	4234657	2.69E-07	2.40E-07	5.09E-07	4.56E-08	3.85E-08	8.41E-08	2.17E-07	1.76E-07	3.93E-07	3.56E-08	3.41E-08	6.97E-08	2.66E-08	1.74E-08	4.40E-08
2102	563046.6	4234667	2.70E-07	2.41E-07	5.11E-07	4.58E-08	3.86E-08	8.45E-08	2.18E-07	1.77E-07	3.95E-07	3.57E-08	3.43E-08	7.00E-08	2.67E-08	1.75E-08	4.42E-08
2103	563045.8	4234676	2.66E-07	2.37E-07	5.03E-07	4.51E-08	3.80E-08	8.31E-08	2.15E-07	1.74E-07	3.89E-07	3.51E-08	3.37E-08	6.89E-08	2.62E-08	1.72E-08	4.35E-08
2104	563045	4234685	2.60E-07	2.32E-07	4.92E-07	4.42E-08	3.72E-08	8.14E-08	2.10E-07	1.70E-07	3.80E-07	3.44E-08	3.30E-08	6.74E-08	2.57E-08	1.69E-08	4.26E-08
2105	563044.2	4234695	2.54E-07	2.26E-07	4.80E-07	4.31E-08	3.63E-08	7.94E-08	2.05E-07	1.66E-07	3.71E-07	3.36E-08	3.22E-08	6.58E-08	2.51E-08	1.65E-08	4.15E-08
2106	563043.4	4234704	2.47E-07	2.20E-07	4.67E-07	4.19E-08	3.53E-08	7.71E-08	1.99E-07	1.61E-07	3.61E-07	3.26E-08	3.13E-08	6.39E-08	2.44E-08	1.60E-08	4.04E-08
2107	563042.6	4234713	2.39E-07	2.13E-07	4.52E-07	4.05E-08	3.42E-08	7.47E-08	1.93E-07	1.56E-07	3.49E-07	3.16E-08	3.03E-08	6.19E-08	2.36E-08	1.55E-08	3.91E-08
2108	563041.8	4234723	2.31E-07	2.06E-07	4.36E-07	3.91E-08	3.30E-08	7.21E-08	1.86E-07	1.51E-07	3.37E-07	3.05E-08	2.93E-08	5.98E-08	2.28E-08	1.50E-08	3.77E-08
2109	563041	4234732	2.24E-07	2.00E-07	4.25E-07	3.81E-08	3.21E-08	7.02E-08	1.81E-07	1.47E-07	3.28E-07	2.97E-08	2.85E-08	5.82E-08	2.22E-08	1.45E-08	3.67E-08
2110	563040.2	4234741	2.20E-07	1.96E-07	4.16E-07	3.73E-08	3.14E-08	6.87E-08	1.77E-07	1.44E-07	3.21E-07	2.90E-08	2.79E-08	5.69E-08	2.17E-08	1.42E-08	3.59E-08
2111	563064.7	4234592	2.60E-07	2.32E-07	4.91E-07	4.40E-08	3.71E-08	8.12E-08	2.10E-07	1.70E-07	3.79E-07	3.43E-08	3.29E-08	6.73E-08	2.56E-08	1.68E-08	4.25E-08
2112	563079.2	4234588	2.82E-07	2.51E-07	5.33E-07	4.78E-08	4.03E-08	8.81E-08	2.28E-07	1.84E-07	4.12E-07	3.73E-08	3.58E-08	7.30E-08	2.78E-08	1.83E-08	4.61E-08
2113	563039	4234638	2.35E-07	2.10E-07	4.45E-07	3.99E-08	3.37E-08	7.36E-08	1.90E-07	1.54E-07	3.44E-07	3.11E-08	2.99E-08	6.10E-08	2.33E-08	1.53E-08	3.85E-08
2114	563038.3	4234647	2.39E-07	2.13E-07	4.51E-07	4.05E-08	3.41E-08	7.46E-08	1.93E-07	1.56E-07	3.49E-07	3.15E-08	3.03E-08	6.18E-08	2.36E-08	1.55E-08	3.90E-08
2115	563037.5	4234657	2.40E-07	2.14E-07	4.55E-07	4.08E-08	3.44E-08	7.52E-08	1.94E-07	1.57E-07	3.51E-07	3.18E-08	3.05E-08	6.23E-08	2.37E-08	1.56E-08	3.93E-08
2116	563036.7	4234666	2.41E-07	2.15E-07	4.56E-07	4.09E-08	3.45E-08	7.54E-08	1.95E-07	1.58E-07	3.52E-07	3.19E-08	3.06E-08	6.25E-08	2.38E-08	1.56E-08	3.94E-08
2117	563035.9	4234675	2.37E-07	2.11E-07	4.48E-07	4.02E-08	3.39E-08	7.40E-08	1.91E-07	1.55E-07	3.46E-07	3.13E-08	3.00E-08	6.14E-08	2.34E-08	1.53E-08	3.87E-08
2118	563035.1	4234684	2.31E-07	2.06E-07	4.38E-07	3.93E-08	3.31E-08	7.24E-08	1.87E-07	1.51E-07	3.38E-07	3.06E-08	2.94E-08	6.00E-08	2.29E-08	1.50E-08	3.79E-08
2119	563034.3	4234694	2.25E-07	2.01E-07	4.26E-07	3.82E-08	3.22E-08	7.04E-08	1.82E-07	1.47E-07	3.29E-07	2.98E-08	2.86E-08	5.84E-08	2.22E-08	1.46E-08	3.68E-08
2120	563033.5	4234703	2.18E-07	1.95E-07	4.13E-07	3.71E-08	3.12E-08	6.83E-08	1.76E-07	1.43E-07	3.19E-07	2.89E-08	2.77E-08	5.66E-08	2.16E-08	1.42E-08	3.57E-08
2121	563032.7	4234712	2.11E-07	1.88E-07	4.00E-07	3.58E-08	3.02E-08	6.61E-08	1.71E-07	1.38E-07	3.09E-07	2.79E-08	2.68E-08	5.47E-08	2.09E-08	1.37E-08	3.46E-08
2122	563031.9	4234722	2.04E-07	1.82E-07	3.85E-07	3.46E-08	2.91E-08	6.37E-08	1.64E-07	1.33E-07	2.98E-07	2.69E-08	2.58E-08	5.28E-08	2.01E-08	1.32E-08	3.33E-08
2123	563031.1	4234731	1.97E-07	1.76E-07	3.74E-07	3.35E-08	2.82E-08	6.17E-08	1.59E-07	1.29E-07	2.89E-07	2.61E-08	2.51E-08	5.12E-08	1.95E-08	1.28E-08	3.23E-08
2124	563030.3	4234740	1.92E-07	1.72E-07	3.64E-07	3.27E-08	2.75E-08	6.02E-08	1.55E-07	1.26E-07	2.81E-07	2.55E-08	2.44E-08	4.99E-08	1.90E-08	1.25E-08	3.15E-08
2125	563046.7	4234595	2.27E-07	2.02E-07	4.29E-07	3.85E-08	3.24E-08	7.09E-08	1.83E-07	1.48E-07	3.31E-07	3.00E-08	2.88E-08	5.87E-08	2.24E-08	1.47E-08	3.71E-08
2126	563059.7	4234584	2.42E-07	2.16E-07	4.58E-07	4.11E-08	3.46E-08	7.57E-08	1.96E-07	1.58E-07	3.54E-07	3.20E-08	3.07E-08	6.27E-08	2.39E-08	1.57E-08	3.96E-08
2127	563068.4	4234581	2.55E-07	2.27E-07	4.82E-07	4.33E-08	3.65E-08	7.97E-08	2.06E-07	1.67E-07	3.73E-07	3.37E-08	3.23E-08	6.61E-08	2.52E-08	1.65E-08	4.17E-08
2128	563077.1	4234579	2.66E-07	2.37E-07	5.03E-07	4.51E-08	3.80E-08	8.31E-08	2.15E-07	1.74E-07	3.89E-07	3.51E-08	3.37E-08	6.89E-08	2.62E-08	1.72E-08	4.35E-08
2129	563085.9	4234576	2.74E-07	2.44E-07	5.18E-07	4.64E-08	3.91E-08	8.56E-08	2.21E-07	1.79E-07	4.00E-07	3.62E-08	3.47E-08	7.09E-08	2.70E-08	1.77E-08	4.48E-08
2130	563029.1	4234637	2.12E-07	1.89E-07	4.01E-07	3.60E-08	3.03E-08	6.63E-08	1.71E-07	1.39E-07	3.10E-07	2.80E-08	2.69E-08	5.50E-08	2.09E-08	1.37E-08	3.47E-08
2131	563028.3	4234646	2.14E-07	1.91E-07	4.05E-07	3.64E-08	3.06E-08	6.70E-08	1.73E-07	1.40E-07	3.13E-07	2.83E-08	2.72E-08	5.55E-08	2.12E-08	1.39E-08	3.51E-08
2132	563027.5	4234656	2.15E-07	1.92E-07	4.08E-07	3.66E-08	3.08E-08	6.74E-08	1.74E-07	1.41E-07	3.15E-07	2.85E-08	2.73E-08	5.58E-08	2.13E-08	1.40E-08	3.52E-08
2133	563026.7	4234665	2.16E-07	1.92E-07	4.08E-07	3.66E-08	3.08E-08	6.74E-08	1.74E-07	1.41E-07	3.15E-07	2.85E-08	2.74E-08	5.59E-08	2.13E-08	1.40E-08	3.53E-08
2134	563025.9	4234674	2.12E-07	1.89E-07	4.01E-07	3.59E-08	3.03E-08	6.62E-08	1.71E-07	1.39E-07	3.10E-07	2.80E-08	2.69E-08	5.49E-08	2.09E-08	1.37E-08	3.46E-08
2135	563025.1	4234684	2.07E-07	1.84E-07	3.91E-07	3.51E-08	2.96E-08	6.46E-08	1.67E-07	1.35E-07	3.02E-07	2.73E-08	2.62E-08	5.36E-08	2.04E-08	1.34E-08	3.38E-08
2136	563024.3	4234693	2.01E-07	1.79E-07	3.80E-07	3.41E-08	2.87E-08	6.29E-08	1.62E-07	1.32E-07	2.94E-07	2.66E-08	2.55E-08	5.21E-08	1.99E-08	1.30E-08	3.29E-08
2137	563023.5	4234702	1.95E-07	1.74E-07	3.69E-07	3.31E-08	2.79E-08	6.09E-08	1.57E-07	1.27E-07	2.85E-07	2.58E-08	2.47E-08	5.05E-08	1.92E-08	1.26E-08	3.19E-08
2138	563022.7	4234712	1.88E-07	1.68E-07	3.56E-07	3.19E-08	2.69E-08	5.88E-08	1.52E-07	1.23E-07	2.75E-07	2.49E-08	2.39E-08	4.88E-08	1.86E-08	1.22E-08	3.08E-08
2139	563021.9	4234721	1.81E-07	1.62E-07	3.43E-07	3.08E-08	2.59E-08	5.67E-08	1.46E-07	1.19E-07	2.65E-07	2.40E-08	2.30E-08	4.70E-08	1.79E-08	1.18E-08	2.97E-08
2140	563021.1	4234730	1.75E-07	1.56E-07	3.31E-07	2.97E-08	2.50E-08	5.48E-08	1.41E-07	1.15E-07	2.56E-07	2.32E-08	2.22E-08	4.54E-08	1.73E-08	1.13E-08	2.86E-08
2141	563020.3	4234740	1.70E-07	1.51E-07	3.21E-07	2.88E-08	2.43E-08	5.30E-08	1.37E-07	1.11E-07	2.48E-07	2.24E-08	2.15E-08	4.40E-08	1.68E-08	1.10E-08	2.77E-08
2142	563036.3	4234595	2.08E-07	1.85E-07	3.93E-07	3.52E-08	2.97E-08	6.49E-08	1.68E-07	1.36E-07	3.03E-07	2.74E-08	2.63E-08	5.38E-08	2.05E-08	1.34E-08	3.39E-08
2143	563053	4234577	2.24E-07	2.00E-07	4.24E-07	3.81E-08	3.21E-08	7.01E-08	1.81E-07	1.47E-07	3.28E-07	2.97E-08	2.85E-08	5.81E-08	2.22E-08	1.45E-08	3.67E-08
2144	563069.9	4234571	2.46E-07	2.20E-07	4.66E-07	4.18E-08	3.52E-08	7.70E-08	1.99E-07	1.61E-07	3.60E-07	3.26E-08	3.12E-08	6.38E-08	2.43E-08	1.60E-08	4.03E-08
2145	563019.1	4234636	1.92E-07	1.71E-07	3.62E-07	3.25E-08	2.74E-08	5.99E-08	1.55E-07	1.25E-07	2.80E-07	2.53E-08	2.43E-08	4.96E-08	1.89E-08	1.24E-08	3.13E-08
2146	563018.3	4234646	1.93E-07	1.72E-07	3.65E-07	3.28E-08	2.76E-08	6.04E-08	1.56E-07	1.26E-07	2.82E-07	2.55E-08	2.45E-08	5.00E-08	1.91E-08	1.25E-08	3.16E-08
2147	563017.5	4234655	1.94E-07	1.73E-07	3.67E-07	3.29E-08	2.77E-08	6.06E-08	1.56E-07	1.27E-07	2.83E-07	2.56E-08	2.46E-08	5.02E-08	1.91E-08	1.26E-08	3.17E-08
2148	563016.7	4234664	1.94E-07	1.73E-07	3.66E-07	3.29E-08	2.77E-08	6.05E-08	1.56E-07	1.27E-07	2.83E-07	2.56E-08	2.46E-08	5.02E-08	1.91E-08	1.25E-08	3.17E-08
2149	563015.9	4234673	1.90E-07	1.70E-07	3.60E-07	3.23E-08	2.72E-08	5.95E-08	1.54E-07	1.25E-07	2.78E-07	2.52E-08	2.41E-08	4.93E-08	1.88E-08	1.23E-08	3.11E-08
2150	563015.1	4234683	1.86E-07	1.66E-07	3.51E-07	3.15E-08	2.65E-08	5.80E-08	1.50E-07	1.21E-07	2.71E-07	2.45E-08	2.36E-08	4.81E-08	1.83E-08	1.20E-08	3.04E-08
2151	563014.3	4234692	1.80E-07	1.61E-07	3.41E-07	3.06E-08	2.58E-08	5.64E-08	1.46E-07	1.18E-07	2.64E-07	2.39E-08	2.29E-08	4.67E-08	1.78E-08	1.17E-08	2.95E-08
2152	563013.5	4234701	1.75E-07	1.56E-07	3.31E-07	2.97E-08	2.50E-08	5.47E-08	1.41E-07	1.14E-07	2.56E-07	2.31E-08	2.22E-08	4.53E-08	1.73E-08	1.13E-08	2.86E-08
2153	563012.7	4234711	1.69E-07	1.51E-07	3.20E-07	2.87E-08	2.42E-08	5.28E-08	1.36E-07	1.11E-07	2.47E-07	2.23E-08	2.14E-08	4.38E-08	1.67E-08	1.09E-08	2.76E-08
2154	563011.9	4234720	1.63E-07	1.45E-07	3.08E-07	2.76E-08	2.33E-08	5.09E-08	1.31E-07	1.07E-07	2.38E-07	2.15E-08	2.07E-08	4.22E-08	1.61E-08	1.06E-08	2.66E-08
2155	563011.1	4234729	1.57E-07	1.40E-07	2.97E-07	2.66E-08	2.24E-08	4.91E-08	1.27E-07	1.03E-07	2.29E-07	2.07E-08	1.99E-08	4.07E-08	1.55E-08	1.02E-08	2.57E-08
2156	563010.4	4234739	1.51E-07	1.35E-07	2.86E-07	2.57E-08	2.16E-08	4.73E-08	1.22E-07	9.90E-08	2.21E-07	2.00E-08	1.92E-08	3.92E-08	1.49E-08	9.80E-09	2.47E-08
2157	563030	4234587	1.93E-07	1.72E-07	3.64E-07	3.27E-08	2.76E-08	6.02E-08	1.56E-07	1.26E-07	2.82E-07	2.55E-08	2.44E-08	4.99E-08	1.90E-08	1.25E-08	3.15E-08
2158	563046.3	4234569	2.09E-07	1.86E-07	3.95E-07	3.54E-08	2.98E-08	6.52E-08	1.68E-07	1.36E-07	3.05E-07	2.76E-08	2.65E-08	5.40E-08	2.06E-08	1.35E-08	3.41E-08
2159	563063	4234564	2.29E-07	2.04E-07	4.33E-07	3.88E-08	3.27E-08	7.16E-08	1.85E-07	1.50E-07	3.35E-07	3.03E-08	2.90E-08	5.93E-08	2.26E-08	1.48E-08	3.74E-08
2160	563079.6	4234558	2.42E-07	2.16E-07	4.58E-07	4.11E-08	3.46E-08	7.58E-08	1.96E-07	1.59E-07	3.54E-07	3.20E-08	3.07E-08	6.28E-08	2.39E-08	1.57E-08	3.96E-08
2161	563009.2	4234635	1.74E-07	1.55E-07	3.29E-07	2.95E-08	2.48E-08	5.43E-08	1.40E-07	1.14E-07	2.54E-07	2.30E-08	2.20E-08	4.50E-08	1.72E-08	1.13E-08	2.84E-08
2162	563008.4	4234645	1.75E-07	1.56E-07	3.30E-07	2.96E-08	2.50E-08	5.46E-08	1.41E-07	1.14E-07	2.55E-07	2.31E-08	2.22E-08	4.52E-08	1.72E-08	1.13E-08	2.86E-08
2163	563007.6	4234654	1.75E-07	1.56E-07	3.31E-07	2.97E-08	2.50E-08	5.47E-08	1.41E-07	1.14E-07	2.56E-07	2.31E-08	2.22E-08	4.53E-08	1.73E-08	1.13E-08	2.86E-08
2164	563006.8	4234663	1.75E-07	1.56E-07	3.30E-07	2.96E-08	2.50E-08	5.46E-08	1.41E-07	1.14E-07	2.55E-07	2.31E-08	2.22E-08	4.52E-08	1.72E-08	1.13E-08	2.86E-08
2165	563006	4234673	1.72E-07	1.53E-07	3.25E-07	2.92E-08	2.46E-08	5.37E-08	1.39E-07	1.12E-07	2.51E-07	2.27E-08	2.18E-08	4.45E-08	1.70E-08	1.11E-08	2.81E-08
2166	563005.2	4234682	1.68E-07	1.50E-07	3.17E-07	2.84E-08	2.40E-08	5.24E-08	1.35E-07	1.10E-07	2.45E-07	2.22E-08	2.13E-08	4.34E-08	1.66E-08	1.09E-08	2.74E-08
2167	563004.4	4234691	1.63E-07	1.45E-07	3.08E-07	2.76E-08	2.33E-08	5.09E-08	1.32E-07	1.07E-07	2.38E-07	2.15E-08	2.07E-08	4.22E-08	1.61E-08	1.06E-08	2.66E-08
2168	563003.6	4234701	1.58E-07	1.41E-07	2.99E-07	2.68E-08	2.26E-08	4.94E-08	1.28E-07	1.03E-07	2.31E-07	2.09E-08	2.00E-08	4.09E-08	1.56E-08	1.02E-08	2.58E-08
2169	563002.8	4234710	1.53E-07	1.36E-07	2.89E-07	2.59E-08	2.18E-08	4.77E-08	1.23E-07	9.99E-08	2.23E-07	2.02E-08	1.94E-08	3.96E-08	1.51E-08	9.90E-09	2.50E-08
2170	563002	4234719	1.47E-07	1.31E-07	2.79E-07	2.50E-08	2.11E-08	4.61E-08	1.19E-07	9.64E-08	2.15E-07	1.95E-08	1.87E-08	3.82E-08	1.46E-08	9.55E-09	2.41E-08
2171	563001.2	4234729	1.42E-07	1.27E-07	2.69E-07	2.41E-08	2.03E-08	4.44E-08	1.15E-07	9.29E-08	2.08E-07	1.88E-08	1.80E-08	3.68E-08	1.40E-08	9.20E-09	2.32E-08
2172	563000.4	4234738	1.37E-07	1.22E-07	2.59E-07	2.32E-08	1.95E-08	4.27E-08	1.10E-07	8.94E-08	2.00E-07	1.81E-08	1.73E-08	3.54E-08	1.35E-08	8.86E-09	2.24E-08
2173	563019.7	4234587	1.77E-07	1.58E-07	3.34E-07	3.00E-08	2.53E-08	5.52E-08	1.43E-07	1.16E-07	2.58E-07	2.34E-08	2.24E-08	4.58E-08	1.74E-08	1.15E-08	2.89E-08
2174	563027.6	4234572	1.82E-07	1.62E-07	3.44E-07	3.09E-08	2.60E-08	5.69E-08	1.47E-07	1.19E-07	2.66E-07	2.41E-08	2.31E-08	4.71E-08	1.80E-08	1.18E-08	2.98E-08
2175	563039.8	4234561	1.95E-07	1.74E-07	3.68E-07	3.30E-08	2.78E-08	6.08E-08	1.57E-07	1.27E-07	2.84E-07	2.57E-08	2.47E-08	5.04E-08	1.92E-08	1.26E-08	3.18E-08
2176	563056.1	4234556	2.14E-07	1.91E-07	4.04E-07	3.62E-08	3.05E-08	6.68E-08	1.72E-07	1.40E-07	3.12E-07	2.82E-08	2.71E-08	5.53E-08	2.11E-08	1.38E-08	3.49E-08
2177	563072.5	4234551	2.27E-07	2.03E-07	4.30E-07	3.85E-08	3.25E-08	7.10E-08	1.83E-07	1.49E-07	3.32E-07	3.00E-08	2.88E-08	5.88E-08	2.24E-08	1.47E-08	3.71E-08
2178	562999.2	4234634	1.58E-07	1.41E-07	2.99E-07	2.68E-08	2.26E-08	4.94E-08	1.28E-07	1.03E-07	2.31E-07	2.09E-08	2.00E-08	4.09E-08	1.56E-08	1.02E-08	2.58E-08
2179	562998.4	4234644	1.58E-07	1.41E-07	2.99E-07	2.68E-08	2.26E-08	4.95E-08	1.28E-07	1.03E-07	2.31E-07	2.09E-08	2.01E-08	4.10E-08	1.56E-08	1.02E-08	2.59E-08
2180	562997.6	4234653	1.58E-07	1.41E-07	2.99E-07	2.68E-08	2.26E-08	4.94E-08	1.27E-07	1.03E-07	2.31E-07	2.09E-08	2.00E-08	4.09E-08	1.56E-08	1.02E-08	2.58E-08

2181	562996.8	4234662	1.57E-07	1.40E-07	2.97E-07	2.66E-08	2.24E-08	4.90E-08	1.27E-07	1.03E-07	2.29E-07	2.07E-08	1.99E-08	4.06E-08	1.55E-08	1.02E-08	2.56E-08
2182	562996	4234672	1.54E-07	1.38E-07	2.92E-07	2.62E-08	2.21E-08	4.83E-08	1.25E-07	1.01E-07	2.26E-07	2.04E-08	1.96E-08	4.00E-08	1.52E-08	1.00E-08	2.52E-08
2183	562995.2	4234681	1.51E-07	1.35E-07	2.86E-07	2.56E-08	2.16E-08	4.73E-08	1.22E-07	9.89E-08	2.21E-07	2.00E-08	1.92E-08	3.92E-08	1.49E-08	9.79E-09	2.47E-08
2184	562994.4	4234690	1.48E-07	1.32E-07	2.79E-07	2.50E-08	2.11E-08	4.62E-08	1.19E-07	9.66E-08	2.16E-07	1.95E-08	1.87E-08	3.82E-08	1.46E-08	9.57E-09	2.41E-08
2185	562993.6	4234700	1.44E-07	1.28E-07	2.72E-07	2.44E-08	2.05E-08	4.49E-08	1.16E-07	9.40E-08	2.10E-07	1.90E-08	1.82E-08	3.72E-08	1.42E-08	9.31E-09	2.35E-08
2186	562992.8	4234709	1.39E-07	1.24E-07	2.63E-07	2.36E-08	1.99E-08	4.35E-08	1.12E-07	9.10E-08	2.03E-07	1.84E-08	1.76E-08	3.60E-08	1.37E-08	9.01E-09	2.28E-08
2187	562992	4234718	1.34E-07	1.20E-07	2.54E-07	2.28E-08	1.92E-08	4.20E-08	1.09E-07	8.80E-08	1.97E-07	1.78E-08	1.71E-08	3.48E-08	1.33E-08	8.71E-09	2.20E-08
2188	562991.2	4234728	1.30E-07	1.16E-07	2.46E-07	2.20E-08	1.86E-08	4.06E-08	1.05E-07	8.49E-08	1.90E-07	1.72E-08	1.65E-08	3.36E-08	1.28E-08	8.41E-09	2.12E-08
2189	562990.4	4234737	1.25E-07	1.12E-07	2.37E-07	2.12E-08	1.79E-08	3.91E-08	1.01E-07	8.19E-08	1.83E-07	1.65E-08	1.59E-08	3.24E-08	1.24E-08	8.11E-09	2.05E-08
2190	563009.5	4234587	1.62E-07	1.45E-07	3.07E-07	2.75E-08	2.32E-08	5.07E-08	1.31E-07	1.06E-07	2.37E-07	2.14E-08	2.06E-08	4.20E-08	1.60E-08	1.05E-08	2.65E-08
2191	563017.3	4234572	1.67E-07	1.49E-07	3.17E-07	2.84E-08	2.40E-08	5.24E-08	1.35E-07	1.10E-07	2.45E-07	2.21E-08	2.13E-08	4.34E-08	1.65E-08	1.09E-08	2.74E-08
2192	563033.2	4234554	1.82E-07	1.62E-07	3.44E-07	3.09E-08	2.60E-08	5.69E-08	1.47E-07	1.19E-07	2.66E-07	2.41E-08	2.31E-08	4.72E-08	1.80E-08	1.18E-08	2.98E-08
2193	563049.4	4234549	2.00E-07	1.78E-07	3.78E-07	3.39E-08	2.86E-08	6.25E-08	1.61E-07	1.31E-07	2.92E-07	2.64E-08	2.54E-08	5.18E-08	1.97E-08	1.30E-08	3.27E-08
2194	563065.5	4234544	2.13E-07	1.90E-07	4.03E-07	3.62E-08	3.05E-08	6.67E-08	1.72E-07	1.40E-07	3.12E-07	2.82E-08	2.71E-08	5.52E-08	2.11E-08	1.38E-08	3.49E-08
2195	563081.7	4234538	2.19E-07	1.95E-07	4.14E-07	3.71E-08	3.13E-08	6.84E-08	1.77E-07	1.43E-07	3.20E-07	2.89E-08	2.77E-08	5.67E-08	2.16E-08	1.42E-08	3.58E-08
2196	562989.2	4234634	1.44E-07	1.29E-07	2.73E-07	2.45E-08	2.06E-08	4.51E-08	1.16E-07	9.44E-08	2.11E-07	1.91E-08	1.83E-08	3.74E-08	1.42E-08	9.35E-09	2.36E-08
2197	562988.4	4234643	1.44E-07	1.28E-07	2.72E-07	2.44E-08	2.05E-08	4.49E-08	1.16E-07	9.40E-08	2.10E-07	1.90E-08	1.82E-08	3.72E-08	1.42E-08	9.31E-09	2.35E-08
2198	562987.6	4234652	1.43E-07	1.27E-07	2.70E-07	2.42E-08	2.04E-08	4.46E-08	1.15E-07	9.34E-08	2.09E-07	1.89E-08	1.81E-08	3.70E-08	1.41E-08	9.25E-09	2.33E-08
2199	562986.8	4234662	1.41E-07	1.26E-07	2.67E-07	2.39E-08	2.02E-08	4.41E-08	1.14E-07	9.23E-08	2.06E-07	1.87E-08	1.79E-08	3.65E-08	1.39E-08	9.14E-09	2.31E-08
2200	562986	4234671	1.39E-07	1.24E-07	2.63E-07	2.36E-08	1.99E-08	4.35E-08	1.12E-07	9.09E-08	2.03E-07	1.84E-08	1.76E-08	3.60E-08	1.37E-08	9.01E-09	2.27E-08
2201	562985.2	4234680	1.37E-07	1.22E-07	2.59E-07	2.32E-08	1.96E-08	4.28E-08	1.10E-07	8.95E-08	2.00E-07	1.81E-08	1.74E-08	3.54E-08	1.35E-08	8.86E-09	2.24E-08
2202	562984.4	4234690	1.34E-07	1.20E-07	2.54E-07	2.28E-08	1.92E-08	4.20E-08	1.09E-07	8.80E-08	1.97E-07	1.78E-08	1.71E-08	3.48E-08	1.33E-08	8.71E-09	2.20E-08
2203	562983.6	4234699	1.32E-07	1.17E-07	2.49E-07	2.23E-08	1.88E-08	4.11E-08	1.06E-07	8.61E-08	1.92E-07	1.74E-08	1.67E-08	3.41E-08	1.30E-08	8.52E-09	2.15E-08
2204	562982.9	4234708	1.28E-07	1.14E-07	2.41E-07	2.16E-08	1.82E-08	3.99E-08	1.03E-07	8.35E-08	1.86E-07	1.69E-08	1.62E-08	3.31E-08	1.26E-08	8.27E-09	2.09E-08
2205	562982.1	4234718	1.24E-07	1.10E-07	2.34E-07	2.10E-08	1.77E-08	3.86E-08	9.97E-08	8.08E-08	1.81E-07	1.63E-08	1.57E-08	3.20E-08	1.22E-08	8.01E-09	2.02E-08
2206	562981.3	4234727	1.19E-07	1.07E-07	2.26E-07	2.03E-08	1.71E-08	3.74E-08	9.65E-08	7.82E-08	1.75E-07	1.58E-08	1.52E-08	3.10E-08	1.18E-08	7.74E-09	1.95E-08
2207	562980.5	4234736	1.15E-07	1.03E-07	2.18E-07	1.96E-08	1.65E-08	3.61E-08	9.32E-08	7.55E-08	1.69E-07	1.53E-08	1.46E-08	2.99E-08	1.14E-08	7.48E-09	1.89E-08
2208	562991.2	4234582	1.38E-07	1.23E-07	2.61E-07	2.34E-08	1.97E-08	4.32E-08	1.12E-07	9.04E-08	2.02E-07	1.83E-08	1.75E-08	3.58E-08	1.36E-08	8.95E-09	2.26E-08
2209	562995.4	4234574	1.41E-07	1.26E-07	2.67E-07	2.39E-08	2.01E-08	4.41E-08	1.14E-07	9.22E-08	2.06E-07	1.86E-08	1.79E-08	3.65E-08	1.39E-08	9.13E-09	2.30E-08
2210	562999.6	4234566	1.44E-07	1.28E-07	2.72E-07	2.44E-08	2.06E-08	4.49E-08	1.16E-07	9.40E-08	2.10E-07	1.90E-08	1.82E-08	3.72E-08	1.42E-08	9.31E-09	2.35E-08
2211	563003.8	4234557	1.47E-07	1.31E-07	2.77E-07	2.49E-08	2.10E-08	4.58E-08	1.18E-07	9.59E-08	2.14E-07	1.94E-08	1.86E-08	3.80E-08	1.45E-08	9.50E-09	2.40E-08
2212	563008	4234549	1.49E-07	1.33E-07	2.83E-07	2.54E-08	2.14E-08	4.67E-08	1.21E-07	9.78E-08	2.19E-07	1.98E-08	1.90E-08	3.87E-08	1.48E-08	9.69E-09	2.44E-08
2213	563020.9	4234538	1.61E-07	1.44E-07	3.05E-07	2.74E-08	2.31E-08	5.04E-08	1.30E-07	1.06E-07	2.36E-07	2.13E-08	2.05E-08	4.18E-08	1.59E-08	1.05E-08	2.64E-08
2214	563029.7	4234536	1.70E-07	1.52E-07	3.22E-07	2.89E-08	2.43E-08	5.32E-08	1.37E-07	1.11E-07	2.49E-07	2.25E-08	2.16E-08	4.41E-08	1.68E-08	1.10E-08	2.78E-08
2215	563038.4	4234533	1.78E-07	1.59E-07	3.38E-07	3.03E-08	2.55E-08	5.58E-08	1.44E-07	1.17E-07	2.61E-07	2.36E-08	2.26E-08	4.62E-08	1.76E-08	1.16E-08	2.92E-08
2216	563047.1	4234530	1.86E-07	1.66E-07	3.51E-07	3.15E-08	2.65E-08	5.80E-08	1.50E-07	1.21E-07	2.71E-07	2.45E-08	2.36E-08	4.81E-08	1.83E-08	1.20E-08	3.04E-08
2217	563055.9	4234527	1.91E-07	1.71E-07	3.62E-07	3.25E-08	2.74E-08	5.98E-08	1.55E-07	1.25E-07	2.80E-07	2.53E-08	2.43E-08	4.96E-08	1.89E-08	1.24E-08	3.13E-08
2218	563064.6	4234524	1.95E-07	1.74E-07	3.69E-07	3.31E-08	2.79E-08	6.11E-08	1.58E-07	1.28E-07	2.85E-07	2.58E-08	2.48E-08	5.06E-08	1.93E-08	1.27E-08	3.19E-08
2219	563073.3	4234522	1.97E-07	1.76E-07	3.73E-07	3.34E-08	2.82E-08	6.16E-08	1.59E-07	1.29E-07	2.88E-07	2.61E-08	2.50E-08	5.10E-08	1.95E-08	1.28E-08	3.22E-08
2220	563082	4234519	1.96E-07	1.75E-07	3.72E-07	3.33E-08	2.81E-08	6.14E-08	1.59E-07	1.29E-07	2.87E-07	2.60E-08	2.49E-08	5.09E-08	1.94E-08	1.27E-08	3.21E-08
2221	563090.8	4234516	1.93E-07	1.73E-07	3.66E-07	3.28E-08	2.77E-08	6.05E-08	1.56E-07	1.27E-07	2.83E-07	2.56E-08	2.45E-08	5.01E-08	1.91E-08	1.25E-08	3.16E-08
2222	562969.3	4234632	1.22E-07	1.08E-07	2.30E-07	2.06E-08	1.74E-08	3.80E-08	9.82E-08	7.96E-08	1.78E-07	1.61E-08	1.54E-08	3.15E-08	1.20E-08	7.88E-09	1.99E-08
2223	562968.5	4234641	1.21E-07	1.08E-07	2.28E-07	2.05E-08	1.72E-08	3.77E-08	9.74E-08	7.89E-08	1.76E-07	1.59E-08	1.53E-08	3.12E-08	1.19E-08	7.82E-09	1.97E-08
2224	562967.7	4234651	1.19E-07	1.06E-07	2.25E-07	2.02E-08	1.70E-08	3.73E-08	9.62E-08	7.80E-08	1.74E-07	1.58E-08	1.51E-08	3.09E-08	1.18E-08	7.72E-09	1.95E-08
2225	562966.9	4234660	1.17E-07	1.05E-07	2.22E-07	1.99E-08	1.68E-08	3.67E-08	9.47E-08	7.68E-08	1.72E-07	1.55E-08	1.49E-08	3.04E-08	1.16E-08	7.60E-09	1.92E-08
2226	562966.1	4234669	1.16E-07	1.03E-07	2.19E-07	1.96E-08	1.65E-08	3.61E-08	9.33E-08	7.56E-08	1.69E-07	1.53E-08	1.47E-08	2.99E-08	1.14E-08	7.49E-09	1.89E-08
2227	562965.3	4234679	1.14E-07	1.02E-07	2.16E-07	1.94E-08	1.63E-08	3.57E-08	9.22E-08	7.47E-08	1.67E-07	1.51E-08	1.45E-08	2.96E-08	1.13E-08	7.40E-09	1.87E-08
2228	562964.5	4234688	1.13E-07	1.00E-07	2.13E-07	1.91E-08	1.61E-08	3.52E-08	9.09E-08	7.36E-08	1.65E-07	1.49E-08	1.43E-08	2.92E-08	1.11E-08	7.29E-09	1.84E-08
2229	562963.7	4234697	1.11E-07	9.86E-08	2.09E-07	1.88E-08	1.58E-08	3.46E-08	8.93E-08	7.24E-08	1.62E-07	1.46E-08	1.40E-08	2.87E-08	1.09E-08	7.17E-09	1.81E-08
2230	562962.9	4234706	1.07E-07	9.59E-08	2.03E-07	1.82E-08	1.54E-08	3.36E-08	8.68E-08	7.03E-08	1.57E-07	1.42E-08	1.36E-08	2.79E-08	1.06E-08	6.97E-09	1.76E-08
2231	562962.1	4234716	1.04E-07	9.31E-08	1.97E-07	1.77E-08	1.49E-08	3.26E-08	8.43E-08	6.83E-08	1.53E-07	1.38E-08	1.32E-08	2.70E-08	1.03E-08	6.76E-09	1.71E-08
2232	562961.3	4234725	1.01E-07	9.02E-08	1.91E-07	1.72E-08	1.45E-08	3.16E-08	8.17E-08	6.62E-08	1.48E-07	1.34E-08	1.28E-08	2.62E-08	9.99E-09	6.55E-09	1.65E-08
2233	562960.5	4234734	9.79E-08	8.73E-08	1.85E-07	1.66E-08	1.40E-08	3.06E-08	7.90E-08	6.40E-08	1.43E-07	1.29E-08	1.24E-08	2.54E-08	9.66E-09	6.34E-09	1.60E-08
2234	562966.5	4234589	1.15E-07	1.02E-07	2.17E-07	1.95E-08	1.64E-08	3.59E-08	9.27E-08	7.52E-08	1.68E-07	1.52E-08	1.46E-08	2.98E-08	1.13E-08	7.44E-09	1.88E-08
2235	563007.8	4234523	1.43E-07	1.28E-07	2.71E-07	2.43E-08	2.05E-08	4.48E-08	1.16E-07	9.38E-08	2.09E-07	1.89E-08	1.82E-08	3.71E-08	1.42E-08	9.29E-09	2.34E-08
2236	563024.8	4234518	1.58E-07	1.41E-07	3.00E-07	2.69E-08	2.26E-08	4.95E-08	1.28E-07	1.04E-07	2.31E-07	2.09E-08	2.01E-08	4.10E-08	1.56E-08	1.03E-08	2.59E-08
2237	563033.2	4234515	1.65E-07	1.47E-07	3.12E-07	2.80E-08	2.36E-08	5.16E-08	1.33E-07	1.08E-07	2.41E-07	2.18E-08	2.09E-08	4.28E-08	1.63E-08	1.07E-08	2.70E-08
2238	563050.2	4234510	1.75E-07	1.56E-07	3.31E-07	2.97E-08	2.50E-08	5.47E-08	1.41E-07	1.15E-07	2.56E-07	2.31E-08	2.22E-08	4.54E-08	1.73E-08	1.13E-08	2.86E-08
2239	563067.2	4234504	1.79E-07	1.60E-07	3.39E-07	3.04E-08	2.56E-08	5.59E-08	1.44E-07	1.17E-07	2.62E-07	2.37E-08	2.27E-08	4.64E-08	1.77E-08	1.16E-08	2.93E-08
2240	563084.2	4234499	1.75E-07	1.57E-07	3.32E-07	2.98E-08	2.51E-08	5.49E-08	1.42E-07	1.15E-07	2.56E-07	2.32E-08	2.23E-08	4.55E-08	1.73E-08	1.14E-08	2.87E-08
2241	562949.4	4234630	1.04E-07	9.29E-08	1.97E-07	1.77E-08	1.49E-08	3.26E-08	8.41E-08	6.82E-08	1.52E-07	1.38E-08	1.32E-08	2.70E-08	1.03E-08	6.75E-09	1.70E-08
2242	562948.6	4234640	1.03E-07	9.23E-08	1.96E-07	1.76E-08	1.48E-08	3.24E-08	8.36E-08	6.77E-08	1.51E-07	1.37E-08	1.31E-08	2.68E-08	1.02E-08	6.71E-09	1.69E-08
2243	562947.8	4234649	1.02E-07	9.14E-08	1.94E-07	1.74E-08	1.47E-08	3.20E-08	8.27E-08	6.70E-08	1.50E-07	1.35E-08	1.30E-08	2.65E-08	1.01E-08	6.64E-09	1.68E-08
2244	562947	4234658	1.01E-07	9.02E-08	1.91E-07	1.72E-08	1.45E-08	3.16E-08	8.16E-08	6.62E-08	1.48E-07	1.34E-08	1.28E-08	2.62E-08	9.99E-09	6.55E-09	1.65E-08
2245	562946.2	4234668	9.95E-08	8.88E-08	1.88E-07	1.69E-08	1.42E-08	3.11E-08	8.04E-08	6.51E-08	1.46E-07	1.32E-08	1.26E-08	2.58E-08	9.83E-09	6.45E-09	1.63E-08
2246	562945.4	4234677	9.78E-08	8.73E-08	1.85E-07	1.66E-08	1.40E-08	3.06E-08	7.90E-08	6.40E-08	1.43E-07	1.29E-08	1.24E-08	2.54E-08	9.66E-09	6.34E-09	1.60E-08
2247	562944.6	4234686	9.59E-08	8.55E-08	1.81E-07	1.63E-08	1.37E-08	3.00E-08	7.74E-08	6.28E-08	1.40E-07	1.27E-08	1.22E-08	2.48E-08	9.47E-09	6.21E-09	1.57E-08
2248	562943.8	4234695	9.37E-08	8.36E-08	1.77E-07	1.59E-08	1.34E-08	2.93E-08	7.57E-08	6.13E-08	1.37E-07	1.24E-08	1.19E-08	2.43E-08	9.26E-09	6.07E-09	1.53E-08
2249	562943	4234705	9.15E-08	8.16E-08	1.73E-07	1.55E-08	1.31E-08	2.86E-08	7.39E-08	5.99E-08	1.34E-07	1.21E-08	1.16E-08	2.37E-08	9.04E-09	5.93E-09	1.50E-08
2250	562942.2	4234714	8.92E-08	7.96E-08	1.69E-07	1.51E-08	1.28E-08	2.79E-08	7.20E-08	5.84E-08	1.30E-07	1.18E-08	1.13E-08	2.31E-08	8.81E-09	5.78E-09	1.46E-08
2251	562941.4	4234723	8.68E-08	7.75E-08	1.64E-07	1.47E-08	1.24E-08	2.71E-08	7.01E-08	5.68E-08	1.27E-07	1.15E-08	1.10E-08	2.25E-08	8.57E-09	5.63E-09	1.42E-08
2252	562940.6	4234733	8.43E-08	7.52E-08	1.59E-07	1.43E-08	1.21E-08	2.64E-08	6.81E-08	5.52E-08	1.23E-07	1.11E-08	1.07E-08	2.18E-08	8.32E-09	5.46E-09	1.38E-08
2253	562950.3	4234580	1.01E-07	8.97E-08	1.90E-07	1.71E-08	1.44E-08	3.14E-08	8.12E-08	6.58E-08	1.47E-07	1.33E-08	1.28E-08	2.60E-08	9.93E-09	6.51E-09	1.64E-08
2254	562958.3	4234565	1.04E-07	9.31E-08	1.97E-07	1.77E-08	1.49E-08	3.26E-08	8.42E-08	6.83E-08	1.52E-07	1.38E-08	1.32E-08	2.70E-08	1.03E-08	6.76E-09	1.71E-08
2255	562966.3	4234549	1.09E-07	9.69E-08	2.05E-07	1.84E-08	1.55E-08	3.39E-08	8.77E-08	7.11E-08	1.59E-07	1.44E-08	1.38E-08	2.81E-08	1.07E-08	7.04E-09	1.78E-08
2256	562994.7	4234508	1.28E-07	1.14E-07	2.43E-07	2.18E-08	1.83E-08	4.01E-08	1.04E-07	8.39E-08	1.87E-07	1.70E-08	1.63E-08	3.32E-08	1.27E-08	8.31E-09	2.10E-08
2257	563011.3	4234503	1.42E-07	1.26E-07	2.68E-07	2.40E-08	2.02E-08	4.43E-08	1.14E-07	9.26E-08	2.07E-07	1.87E-08	1.80E-08	3.67E-08	1.40E-08	9.17E-09	2.32E-08
2258	563028	4234497	1.53E-07	1.37E-07	2.90E-07	2.60E-08	2.19E-08	4.79E-08	1.24E-07	1.00E-07	2.24E-07	2.02E-08	1.94E-08	3.97E-08	1.51E-08	9.92E-09	2.50E-08
2259	563044.6	4234492	1.61E-07	1.43E-07	3.04E-07	2.73E-08	2.30E-08	5.03E-08	1.30E-07	1.05E-07	2.35E-07	2.13E-08	2.04E-08	4.17E-08	1.59E-08	1.04E-08	2.63E-08
2260	563061.2	4234487	1.63E-07	1.46E-07	3.09E-07	2.77E-08	2.34E-08	5.11E-08	1.32E-07	1.07E-07	2.39E-07	2.16E-08	2.07E-08	4.24E-08	1.61E-08	1.06E-08	2.67E-08
2261	563077.8	4234481	1.60E-07	1.42E-07	3.02E-07	2.71E-08	2.28E-08	4.99E-08	1.29E-07	1.04E-07	2.33E-07	2.11E-08	2.03E-08	4.14E-08	1.58E-08	1.03E-08	2.61E-08
2262	562929.5	4234629	9.07E-08	8.10E-08	1.72E-07	1.54E-08	1.30E-08	2.84E-08	7.33E-08	5.94E-08	1.33E-07	1.20E-08	1.15E-08	2.35E-08	8.96E-09	5.88E-09	1.48E-08
2263	562928.7	4234638	9.03E-08	8.06E-08	1.71E-07	1.53E-08	1.29E-08	2.82E-08	7.29E-08	5.91E-08	1.32E-07	1.19E-08	1.15E-08	2.34E-08	8.92E-09	5.85E-09	1.48E-08
2264	562927.9	4234647	8.96E-08	7.99E-08	1.70E-07	1.52E-08	1.28E-08	2.80E-08	7.24E-08	5.86E-08	1.31E-07	1.19E-08	1.14E-08	2.32E-08	8.85E-09	5.81E-09	1.47E-08
2265	562927.1	4234656	8.87E-08	7.91E-08	1.68E-07	1.51E-08	1.27E-08	2.77E-08	7.16E-08	5.80E-08	1.30E-07	1.17E-08	1.13E-08	2.30E-08	8.76E-09	5.75E-09	1.45E-08
2266	562926.3	4234666	8.76E-08	7.81E-08	1.66E-07	1.49E-08	1.25E-08	2.74E-08	7.07E-08	5.73E-08	1.28E-07	1.16E-08	1.11E-08	2.27E-08	8.65E-09	5.68E-09	1.43E-08
2267	562925.5	4234675	8.63E-08	7.70E-08	1.63E-07	1.46E-08	1.23E-08	2.70E-08	6.96E-08	5.64E-08	1.26E-07	1.14E-08	1.09E-08	2.24E-08	8.52E-09	5.59E-09	1.41E-08
2268	562924.7	4234684	8.48E-08	7.56E-08	1.60E-07	1.44E-08	1.21E-08	2.65E-08	6.85E-08	5.55E-08	1.24E-07	1.12E-08	1.08E-08	2.20E-08	8.37E-09	5.50E-09	1.39E-08
2269	562923.9	4234694	8.32E-08	7.42E-08	1.57E-07	1.41E-08	1.19E-08	2.60E-08	6.72E-08	5.44E-08	1.22E-07	1.10E-08	1.06E-08	2.16E-08	8.22E-09	5.39E-09	1.36E-08
2270	562923.1	4234703	8.15E-08	7.27E-08	1.54E-07	1.38E-08	1.16E-08	2.55E-08	6.58E-08	5.33E-08	1.19E-07	1.08E-08	1.03E-08	2.11E-08	8.04E-09	5.28E-09	1.33E-08
2271	562922.3	4234712	7.96E-08	7.10E-08	1.51E-07	1.35E-08	1.14E-08	2.49E-08	6.43E-08	5.21E-08	1.16E-07	1.05E-08	1.01E-08	2.06E-08	7.86E-09	5.16E-09	1.30E-08

2272	562921.5	4234722	7.76E-08	6.92E-08	1.47E-07	1.32E-08	1.11E-08	2.43E-08	6.26E-08	5.08E-08	1.13E-07	1.03E-08	9.84E-09	2.01E-08	7.66E-09	5.03E-09	1.27E-08
2273	562920.7	4234731	7.54E-08	6.72E-08	1.43E-07	1.28E-08	1.08E-08	2.36E-08	6.09E-08	4.93E-08	1.10E-07	9.97E-09	9.57E-09	1.95E-08	7.44E-09	4.89E-09	1.23E-08
2274	562914.5	4234609	8.18E-08	7.30E-08	1.55E-07	1.39E-08	1.17E-08	2.56E-08	6.60E-08	5.35E-08	1.20E-07	1.08E-08	1.04E-08	2.12E-08	8.08E-09	5.30E-09	1.34E-08
2275	562918.7	4234601	8.33E-08	7.43E-08	1.58E-07	1.41E-08	1.19E-08	2.60E-08	6.73E-08	5.45E-08	1.22E-07	1.10E-08	1.06E-08	2.16E-08	8.23E-09	5.40E-09	1.36E-08
2276	562923	4234593	8.48E-08	7.56E-08	1.60E-07	1.44E-08	1.21E-08	2.65E-08	6.84E-08	5.55E-08	1.24E-07	1.12E-08	1.08E-08	2.20E-08	8.37E-09	5.49E-09	1.39E-08
2277	562927.2	4234585	8.62E-08	7.69E-08	1.63E-07	1.46E-08	1.23E-08	2.70E-08	6.96E-08	5.64E-08	1.26E-07	1.14E-08	1.09E-08	2.23E-08	8.52E-09	5.59E-09	1.41E-08
2278	562931.4	4234577	8.77E-08	7.82E-08	1.66E-07	1.49E-08	1.25E-08	2.74E-08	7.08E-08	5.74E-08	1.28E-07	1.16E-08	1.11E-08	2.27E-08	8.66E-09	5.68E-09	1.43E-08
2279	562935.6	4234569	8.92E-08	7.96E-08	1.69E-07	1.51E-08	1.28E-08	2.79E-08	7.20E-08	5.84E-08	1.30E-07	1.18E-08	1.13E-08	2.31E-08	8.81E-09	5.78E-09	1.46E-08
2280	562939.8	4234561	9.08E-08	8.10E-08	1.72E-07	1.54E-08	1.30E-08	2.84E-08	7.33E-08	5.94E-08	1.33E-07	1.20E-08	1.15E-08	2.35E-08	8.97E-09	5.89E-09	1.49E-08
2281	562944	4234552	9.26E-08	8.26E-08	1.75E-07	1.57E-08	1.32E-08	2.89E-08	7.47E-08	6.06E-08	1.35E-07	1.22E-08	1.17E-08	2.40E-08	9.14E-09	6.00E-09	1.51E-08
2282	562948.2	4234544	9.45E-08	8.43E-08	1.79E-07	1.60E-08	1.35E-08	2.95E-08	7.63E-08	6.18E-08	1.38E-07	1.25E-08	1.20E-08	2.45E-08	9.33E-09	6.12E-09	1.55E-08
2283	562952.4	4234536	9.66E-08	8.62E-08	1.83E-07	1.64E-08	1.38E-08	3.02E-08	7.80E-08	6.32E-08	1.41E-07	1.28E-08	1.23E-08	2.50E-08	9.54E-09	6.26E-09	1.58E-08
2284	562956.6	4234528	9.90E-08	8.83E-08	1.87E-07	1.68E-08	1.42E-08	3.09E-08	7.99E-08	6.48E-08	1.45E-07	1.31E-08	1.26E-08	2.56E-08	9.77E-09	6.41E-09	1.62E-08
2285	562960.8	4234520	1.02E-07	9.05E-08	1.92E-07	1.72E-08	1.45E-08	3.17E-08	8.20E-08	6.64E-08	1.48E-07	1.34E-08	1.29E-08	2.63E-08	1.00E-08	6.58E-09	1.66E-08
2286	562965.1	4234512	1.04E-07	9.28E-08	1.97E-07	1.76E-08	1.49E-08	3.25E-08	8.40E-08	6.81E-08	1.52E-07	1.38E-08	1.32E-08	2.70E-08	1.03E-08	6.74E-09	1.70E-08
2287	562969.3	4234504	1.07E-07	9.51E-08	2.02E-07	1.81E-08	1.52E-08	3.33E-08	8.61E-08	6.98E-08	1.56E-07	1.41E-08	1.35E-08	2.76E-08	1.05E-08	6.91E-09	1.74E-08
2288	562999.7	4234487	1.28E-07	1.15E-07	2.43E-07	2.18E-08	1.84E-08	4.02E-08	1.04E-07	8.41E-08	1.88E-07	1.70E-08	1.63E-08	3.33E-08	1.27E-08	8.32E-09	2.10E-08
2289	563008.4	4234484	1.34E-07	1.20E-07	2.54E-07	2.27E-08	1.92E-08	4.19E-08	1.08E-07	8.77E-08	1.96E-07	1.77E-08	1.70E-08	3.47E-08	1.32E-08	8.68E-09	2.19E-08
2290	563017.1	4234481	1.39E-07	1.24E-07	2.63E-07	2.36E-08	1.99E-08	4.35E-08	1.12E-07	9.10E-08	2.03E-07	1.84E-08	1.76E-08	3.60E-08	1.37E-08	9.01E-09	2.27E-08
2291	563025.9	4234479	1.44E-07	1.28E-07	2.72E-07	2.44E-08	2.05E-08	4.49E-08	1.16E-07	9.39E-08	2.10E-07	1.90E-08	1.82E-08	3.72E-08	1.42E-08	9.30E-09	2.35E-08
2292	563034.6	4234476	1.47E-07	1.31E-07	2.79E-07	2.50E-08	2.11E-08	4.60E-08	1.19E-07	9.63E-08	2.15E-07	1.95E-08	1.87E-08	3.81E-08	1.45E-08	9.54E-09	2.41E-08
2293	563043.3	4234473	1.49E-07	1.33E-07	2.83E-07	2.53E-08	2.14E-08	4.67E-08	1.21E-07	9.77E-08	2.18E-07	1.97E-08	1.89E-08	3.87E-08	1.47E-08	9.68E-09	2.44E-08
2294	563052	4234470	1.50E-07	1.34E-07	2.84E-07	2.55E-08	2.15E-08	4.69E-08	1.21E-07	9.82E-08	2.19E-07	1.99E-08	1.91E-08	3.89E-08	1.48E-08	9.73E-09	2.46E-08
2295	563060.8	4234467	1.50E-07	1.33E-07	2.83E-07	2.54E-08	2.14E-08	4.68E-08	1.21E-07	9.78E-08	2.19E-07	1.98E-08	1.90E-08	3.87E-08	1.48E-08	9.69E-09	2.45E-08
2296	563069.5	4234465	1.47E-07	1.31E-07	2.78E-07	2.49E-08	2.10E-08	4.59E-08	1.19E-07	9.61E-08	2.15E-07	1.94E-08	1.86E-08	3.80E-08	1.45E-08	9.51E-09	2.40E-08
2297	563078.2	4234462	1.42E-07	1.27E-07	2.69E-07	2.41E-08	2.03E-08	4.45E-08	1.15E-07	9.31E-08	2.08E-07	1.88E-08	1.81E-08	3.69E-08	1.41E-08	9.22E-09	2.33E-08
2298	563087	4234459	1.36E-07	1.22E-07	2.58E-07	2.31E-08	1.95E-08	4.27E-08	1.10E-07	8.93E-08	1.99E-07	1.80E-08	1.73E-08	3.54E-08	1.35E-08	8.84E-09	2.23E-08
2299	563095.7	4234456	1.30E-07	1.16E-07	2.45E-07	2.20E-08	1.85E-08	4.05E-08	1.05E-07	8.47E-08	1.89E-07	1.71E-08	1.64E-08	3.36E-08	1.28E-08	8.39E-09	2.12E-08
2300	562910.3	4234618	8.02E-08	7.16E-08	1.52E-07	1.36E-08	1.15E-08	2.51E-08	6.48E-08	5.25E-08	1.17E-07	1.06E-08	1.02E-08	2.08E-08	7.92E-09	5.20E-09	1.31E-08
2301	562909.5	4234627	8.02E-08	7.16E-08	1.52E-07	1.36E-08	1.15E-08	2.51E-08	6.48E-08	5.25E-08	1.17E-07	1.06E-08	1.02E-08	2.08E-08	7.92E-09	5.20E-09	1.31E-08
2302	562908.7	4234636	8.00E-08	7.14E-08	1.51E-07	1.36E-08	1.14E-08	2.50E-08	6.46E-08	5.24E-08	1.17E-07	1.06E-08	1.02E-08	2.07E-08	7.90E-09	5.19E-09	1.31E-08
2303	562907.9	4234645	7.96E-08	7.10E-08	1.51E-07	1.35E-08	1.14E-08	2.49E-08	6.43E-08	5.21E-08	1.16E-07	1.05E-08	1.01E-08	2.06E-08	7.86E-09	5.16E-09	1.30E-08
2304	562907.1	4234655	7.90E-08	7.05E-08	1.49E-07	1.34E-08	1.13E-08	2.47E-08	6.38E-08	5.17E-08	1.15E-07	1.04E-08	1.00E-08	2.05E-08	7.80E-09	5.12E-09	1.29E-08
2305	562906.3	4234664	7.82E-08	6.97E-08	1.48E-07	1.33E-08	1.12E-08	2.44E-08	6.31E-08	5.12E-08	1.14E-07	1.03E-08	9.92E-09	2.03E-08	7.72E-09	5.07E-09	1.28E-08
2306	562905.5	4234673	7.72E-08	6.89E-08	1.46E-07	1.31E-08	1.10E-08	2.41E-08	6.23E-08	5.05E-08	1.13E-07	1.02E-08	9.80E-09	2.00E-08	7.62E-09	5.00E-09	1.26E-08
2307	562904.7	4234683	7.61E-08	6.79E-08	1.44E-07	1.29E-08	1.09E-08	2.38E-08	6.14E-08	4.98E-08	1.11E-07	1.01E-08	9.65E-09	1.97E-08	7.51E-09	4.93E-09	1.24E-08
2308	562903.9	4234692	7.48E-08	6.67E-08	1.42E-07	1.27E-08	1.07E-08	2.34E-08	6.04E-08	4.89E-08	1.09E-07	9.89E-09	9.49E-09	1.94E-08	7.39E-09	4.85E-09	1.22E-08
2309	562903.1	4234701	7.34E-08	6.54E-08	1.39E-07	1.24E-08	1.05E-08	2.29E-08	5.92E-08	4.80E-08	1.07E-07	9.70E-09	9.31E-09	1.90E-08	7.25E-09	4.75E-09	1.20E-08
2310	562902.3	4234711	7.18E-08	6.40E-08	1.36E-07	1.22E-08	1.03E-08	2.24E-08	5.80E-08	4.70E-08	1.05E-07	9.49E-09	9.11E-09	1.86E-08	7.09E-09	4.65E-09	1.17E-08
2311	562901.5	4234720	7.00E-08	6.25E-08	1.32E-07	1.19E-08	1.00E-08	2.19E-08	5.65E-08	4.58E-08	1.02E-07	9.26E-09	8.88E-09	1.81E-08	6.91E-09	4.54E-09	1.15E-08
2312	562900.8	4234729	6.81E-08	6.07E-08	1.29E-07	1.15E-08	9.73E-09	2.13E-08	5.49E-08	4.45E-08	9.95E-08	9.00E-09	8.64E-09	1.76E-08	6.72E-09	4.41E-09	1.11E-08
2313	562894.5	4234608	7.28E-08	6.50E-08	1.38E-07	1.24E-08	1.04E-08	2.28E-08	5.88E-08	4.77E-08	1.06E-07	9.63E-09	9.24E-09	1.89E-08	7.19E-09	4.72E-09	1.19E-08
2314	562898.6	4234600	7.39E-08	6.59E-08	1.40E-07	1.25E-08	1.06E-08	2.31E-08	5.97E-08	4.84E-08	1.08E-07	9.77E-09	9.38E-09	1.91E-08	7.30E-09	4.79E-09	1.21E-08
2315	562902.8	4234592	7.49E-08	6.68E-08	1.42E-07	1.27E-08	1.07E-08	2.34E-08	6.05E-08	4.90E-08	1.10E-07	9.91E-09	9.51E-09	1.94E-08	7.40E-09	4.86E-09	1.23E-08
2316	562906.9	4234584	7.60E-08	6.78E-08	1.44E-07	1.29E-08	1.09E-08	2.38E-08	6.13E-08	4.97E-08	1.11E-07	1.00E-08	9.64E-09	1.97E-08	7.50E-09	4.92E-09	1.24E-08
2317	562911	4234576	7.70E-08	6.87E-08	1.46E-07	1.31E-08	1.10E-08	2.41E-08	6.22E-08	5.04E-08	1.13E-07	1.02E-08	9.77E-09	2.00E-08	7.60E-09	4.99E-09	1.26E-08
2318	562915.2	4234568	7.81E-08	6.96E-08	1.48E-07	1.32E-08	1.12E-08	2.44E-08	6.30E-08	5.11E-08	1.14E-07	1.03E-08	9.91E-09	2.02E-08	7.71E-09	5.06E-09	1.28E-08
2319	562919.3	4234560	7.92E-08	7.07E-08	1.50E-07	1.34E-08	1.13E-08	2.48E-08	6.40E-08	5.18E-08	1.16E-07	1.05E-08	1.01E-08	2.05E-08	7.82E-09	5.13E-09	1.30E-08
2320	562923.4	4234552	8.05E-08	7.18E-08	1.52E-07	1.37E-08	1.15E-08	2.52E-08	6.50E-08	5.26E-08	1.18E-07	1.06E-08	1.02E-08	2.08E-08	7.95E-09	5.21E-09	1.32E-08
2321	562927.5	4234544	8.19E-08	7.30E-08	1.55E-07	1.39E-08	1.17E-08	2.56E-08	6.61E-08	5.36E-08	1.20E-07	1.08E-08	1.04E-08	2.12E-08	8.08E-09	5.30E-09	1.34E-08
2322	562931.7	4234536	8.34E-08	7.44E-08	1.58E-07	1.42E-08	1.19E-08	2.61E-08	6.74E-08	5.46E-08	1.22E-07	1.10E-08	1.06E-08	2.16E-08	8.24E-09	5.41E-09	1.36E-08
2323	562935.8	4234528	8.52E-08	7.60E-08	1.61E-07	1.45E-08	1.22E-08	2.67E-08	6.88E-08	5.58E-08	1.25E-07	1.13E-08	1.08E-08	2.21E-08	8.42E-09	5.52E-09	1.39E-08
2324	562939.9	4234520	8.73E-08	7.78E-08	1.65E-07	1.48E-08	1.25E-08	2.73E-08	7.04E-08	5.71E-08	1.28E-07	1.15E-08	1.11E-08	2.26E-08	8.62E-09	5.65E-09	1.43E-08
2325	562944.1	4234512	8.91E-08	7.95E-08	1.69E-07	1.51E-08	1.27E-08	2.79E-08	7.19E-08	5.83E-08	1.30E-07	1.18E-08	1.13E-08	2.31E-08	8.80E-09	5.77E-09	1.46E-08
2326	562948.2	4234504	9.08E-08	8.10E-08	1.72E-07	1.54E-08	1.30E-08	2.84E-08	7.33E-08	5.94E-08	1.33E-07	1.20E-08	1.15E-08	2.35E-08	8.97E-09	5.89E-09	1.49E-08
2327	562952.3	4234496	9.29E-08	8.29E-08	1.76E-07	1.58E-08	1.33E-08	2.91E-08	7.50E-08	6.08E-08	1.36E-07	1.23E-08	1.18E-08	2.41E-08	9.18E-09	6.02E-09	1.52E-08
2328	562956.4	4234488	9.52E-08	8.49E-08	1.80E-07	1.62E-08	1.36E-08	2.98E-08	7.69E-08	6.23E-08	1.39E-07	1.26E-08	1.21E-08	2.47E-08	9.40E-09	6.17E-09	1.56E-08
2329	562969.1	4234477	1.04E-07	9.24E-08	1.96E-07	1.76E-08	1.48E-08	3.24E-08	8.36E-08	6.78E-08	1.51E-07	1.37E-08	1.31E-08	2.68E-08	1.02E-08	6.71E-09	1.69E-08
2330	562994.8	4234469	1.19E-07	1.06E-07	2.26E-07	2.02E-08	1.70E-08	3.73E-08	9.62E-08	7.80E-08	1.74E-07	1.58E-08	1.51E-08	3.09E-08	1.18E-08	7.72E-09	1.95E-08
2331	563011.9	4234464	1.28E-07	1.14E-07	2.43E-07	2.18E-08	1.83E-08	4.01E-08	1.04E-07	8.39E-08	1.87E-07	1.70E-08	1.63E-08	3.32E-08	1.27E-08	8.31E-09	2.10E-08
2332	563029	4234458	1.36E-07	1.21E-07	2.57E-07	2.31E-08	1.94E-08	4.25E-08	1.10E-07	8.90E-08	1.99E-07	1.80E-08	1.72E-08	3.52E-08	1.34E-08	8.81E-09	2.22E-08
2333	563046.2	4234453	1.38E-07	1.23E-07	2.61E-07	2.34E-08	1.97E-08	4.32E-08	1.11E-07	9.03E-08	2.02E-07	1.83E-08	1.75E-08	3.58E-08	1.36E-08	8.94E-09	2.26E-08
2334	563063.3	4234447	1.35E-07	1.20E-07	2.55E-07	2.28E-08	1.93E-08	4.21E-08	1.09E-07	8.81E-08	1.97E-07	1.78E-08	1.71E-08	3.49E-08	1.33E-08	8.73E-09	2.20E-08
2335	563080.4	4234442	1.26E-07	1.12E-07	2.38E-07	2.14E-08	1.80E-08	3.94E-08	1.02E-07	8.24E-08	1.84E-07	1.66E-08	1.60E-08	3.26E-08	1.24E-08	8.16E-09	2.06E-08
2336	563097.5	4234436	1.15E-07	1.02E-07	2.17E-07	1.94E-08	1.64E-08	3.58E-08	9.25E-08	7.50E-08	1.68E-07	1.52E-08	1.45E-08	2.97E-08	1.13E-08	7.43E-09	1.87E-08
2337	562890.4	4234616	7.17E-08	6.40E-08	1.36E-07	1.22E-08	1.03E-08	2.24E-08	5.79E-08	4.69E-08	1.05E-07	9.49E-09	9.10E-09	1.86E-08	7.09E-09	4.65E-09	1.17E-08
2338	562889.6	4234625	7.19E-08	6.41E-08	1.36E-07	1.22E-08	1.03E-08	2.25E-08	5.80E-08	4.70E-08	1.05E-07	9.50E-09	9.12E-09	1.86E-08	7.10E-09	4.66E-09	1.18E-08
2339	562888.8	4234634	7.18E-08	6.41E-08	1.36E-07	1.22E-08	1.03E-08	2.25E-08	5.80E-08	4.70E-08	1.05E-07	9.50E-09	9.11E-09	1.86E-08	7.09E-09	4.65E-09	1.17E-08
2340	562888	4234644	7.16E-08	6.39E-08	1.35E-07	1.21E-08	1.02E-08	2.24E-08	5.78E-08	4.69E-08	1.05E-07	9.47E-09	9.09E-09	1.86E-08	7.07E-09	4.64E-09	1.17E-08
2341	562887.2	4234653	7.12E-08	6.35E-08	1.35E-07	1.21E-08	1.02E-08	2.23E-08	5.75E-08	4.66E-08	1.04E-07	9.42E-09	9.03E-09	1.84E-08	7.03E-09	4.61E-09	1.16E-08
2342	562886.4	4234662	7.06E-08	6.30E-08	1.34E-07	1.20E-08	1.01E-08	2.21E-08	5.70E-08	4.62E-08	1.03E-07	9.34E-09	8.96E-09	1.83E-08	6.97E-09	4.58E-09	1.16E-08
2343	562885.6	4234672	6.99E-08	6.23E-08	1.32E-07	1.19E-08	9.99E-09	2.18E-08	5.64E-08	4.57E-08	1.02E-07	9.24E-09	8.87E-09	1.81E-08	6.90E-09	4.53E-09	1.14E-08
2344	562884.8	4234681	6.90E-08	6.15E-08	1.31E-07	1.17E-08	9.86E-09	2.16E-08	5.57E-08	4.51E-08	1.01E-07	9.12E-09	8.75E-09	1.79E-08	6.81E-09	4.47E-09	1.13E-08
2345	562884	4234690	6.79E-08	6.06E-08	1.28E-07	1.15E-08	9.71E-09	2.12E-08	5.48E-08	4.44E-08	9.93E-08	8.98E-09	8.62E-09	1.76E-08	6.71E-09	4.40E-09	1.11E-08
2346	562883.2	4234700	6.67E-08	5.95E-08	1.26E-07	1.13E-08	9.53E-09	2.08E-08	5.38E-08	4.36E-08	9.74E-08	8.81E-09	8.46E-09	1.73E-08	6.58E-09	4.32E-09	1.09E-08
2347	562882.4	4234709	6.51E-08	5.81E-08	1.23E-07	1.11E-08	9.32E-09	2.04E-08	5.26E-08	4.26E-08	9.52E-08	8.62E-09	8.27E-09	1.69E-08	6.43E-09	4.22E-09	1.07E-08
2348	562881.6	4234718	6.33E-08	5.65E-08	1.20E-07	1.07E-08	9.06E-09	1.98E-08	5.11E-08	4.14E-08	9.26E-08	8.37E-09	8.03E-09	1.64E-08	6.25E-09	4.10E-09	1.04E-08
2349	562880.8	4234728	6.12E-08	5.46E-08	1.16E-07	1.04E-08	8.76E-09	1.91E-08	4.94E-08	4.01E-08	8.95E-08	8.10E-09	7.77E-09	1.59E-08	6.05E-09	3.97E-09	1.00E-08
2350	562874.8	4234606	6.57E-08	5.86E-08	1.24E-07	1.11E-08	9.40E-09	2.05E-08	5.30E-08	4.30E-08	9.60E-08	8.69E-09	8.34E-09	1.70E-08	6.49E-09	4.26E-09	1.07E-08
2351	562879	4234598	6.65E-08	5.93E-08	1.26E-07	1.13E-08	9.50E-09	2.08E-08	5.37E-08	4.35E-08	9.72E-08	8.79E-09	8.43E-09	1.72E-08	6.56E-09	4.31E-09	1.09E-08
2352	562883.3	4234589	6.72E-08	5.99E-08	1.27E-07	1.14E-08	9.61E-09	2.10E-08	5.43E-08	4.40E-08	9.82E-08	8.89E-09	8.53E-09	1.74E-08	6.64E-09	4.35E-09	1.10E-08
2353	562887.6	4234581	6.79E-08	6.06E-08	1.29E-07	1.15E-08	9.71E-09	2.12E-08	5.48E-08	4.44E-08	9.93E-08	8.98E-09	8.62E-09	1.76E-08	6.71E-09	4.40E-09	1.11E-08
2354	562891.9	4234573	6.87E-08	6.12E-08	1.30E-07	1.16E-08	9.82E-09	2.15E-08	5.54E-08	4.49E-08	1.00E-07	9.08E-09	8.71E-09	1.78E-08	6.78E-09	4.45E-09	1.12E-08
2355	562896.2	4234564	6.94E-08	6.19E-08	1.31E-07	1.18E-08	9.93E-09	2.17E-08	5.61E-08	4.54E-08	1.01E-07	9.18E-09	8.81E-09	1.80E-08	6.86E-09	4.50E-09	1.14E-08
2356	562900.5	4234556	7.03E-08	6.27E-08	1.33E-07	1.19E-08	1.00E-08	2.20E-08	5.67E-08	4.60E-08	1.03E-07	9.29E-09	8.92E-09	1.82E-08	6.94E-09	4.55E-09	1.15E-08
2357	562904.8	4234548	7.12E-08	6.35E-08	1.35E-07	1.21E-08	1.02E-08	2.23E-08	5.75E-08	4.66E-08	1.04E-07	9.42E-09	9.04E-09	1.85E-08	7.03E-09	4.62E-09	1.16E-08
2358	562909.1	4234539	7.23E-08	6.45E-08	1.37E-07	1.23E-08	1.03E-08	2.26E-08	5.84E-08	4.73E-08	1.06E-07	9.56E-09	9.17E-09	1.87E-08	7.14E-09	4.69E-09	1.18E-08
2359	562913.4	4234531	7.36E-08	6.56E-08	1.39E-07	1.25E-08	1.05E-08	2.30E-08	5.94E-08	4.81E-08	1.08E-07	9.73E-09	9.34E-09	1.91E-08	7.27E-09	4.77E-09	1.20E-08
2360	562917.6	4234523	7.51E-08	6.70E-08	1.42E-07	1.27E-08	1.07E-08	2.35E-08	6.06E-08	4.91E-08	1.10E-07	9.93E-09	9.52E-09	1.94E-08	7.41E-09	4.86E-09	1.23E-08
2361	562921.9	4234515	7.66E-08	6.84E-08	1.45E-07	1.30E-08	1.10E-08	2.40E-08	6.19E-08	5.01E-08	1.12E-07	1.01E-08	9.72E-09	1.99E-08	7.57E-09	4.97E-09	1.25E-08
2362	562926.2	4234506	7.79E-08	6.95E-08	1.47E-07	1.32E-08	1.11E-08	2.44E-08	6.29E-08	5.10E-08	1.14E-07	1.03E-08	9.89E-09	2.02E-08	7.70E-09	5.05E-09	1.27E-08

2363	562930.5	4234498	7.94E-08	7.08E-08	1.50E-07	1.35E-08	1.14E-08	2.48E-08	6.41E-08	5.20E-08	1.16E-07	1.05E-08	1.01E-08	2.06E-08	7.84E-09	5.15E-09	1.30E-08
2364	562934.8	4234490	8.10E-08	7.23E-08	1.53E-07	1.37E-08	1.16E-08	2.53E-08	6.54E-08	5.30E-08	1.18E-07	1.07E-08	1.03E-08	2.10E-08	8.00E-09	5.25E-09	1.33E-08
2365	562939.1	4234481	8.31E-08	7.41E-08	1.57E-07	1.41E-08	1.19E-08	2.60E-08	6.71E-08	5.44E-08	1.21E-07	1.10E-08	1.05E-08	2.15E-08	8.21E-09	5.39E-09	1.36E-08
2366	562943.4	4234473	8.55E-08	7.62E-08	1.62E-07	1.45E-08	1.22E-08	2.67E-08	6.90E-08	5.59E-08	1.25E-07	1.13E-08	1.08E-08	2.21E-08	8.44E-09	5.54E-09	1.40E-08
2367	562956.6	4234462	9.31E-08	8.30E-08	1.76E-07	1.58E-08	1.33E-08	2.91E-08	7.52E-08	6.09E-08	1.36E-07	1.23E-08	1.18E-08	2.41E-08	9.19E-09	6.03E-09	1.52E-08
2368	562965.4	4234459	9.82E-08	8.76E-08	1.86E-07	1.67E-08	1.40E-08	3.07E-08	7.93E-08	6.43E-08	1.44E-07	1.30E-08	1.25E-08	2.55E-08	9.70E-09	6.37E-09	1.61E-08
2369	562992.1	4234451	1.12E-07	1.00E-07	2.13E-07	1.91E-08	1.61E-08	3.51E-08	9.07E-08	7.35E-08	1.64E-07	1.49E-08	1.43E-08	2.91E-08	1.11E-08	7.28E-09	1.84E-08
2370	563001	4234448	1.16E-07	1.04E-07	2.20E-07	1.97E-08	1.66E-08	3.64E-08	9.40E-08	7.62E-08	1.70E-07	1.54E-08	1.48E-08	3.02E-08	1.15E-08	7.54E-09	1.90E-08
2371	563009.9	4234445	1.20E-07	1.07E-07	2.27E-07	2.04E-08	1.72E-08	3.76E-08	9.70E-08	7.86E-08	1.76E-07	1.59E-08	1.52E-08	3.11E-08	1.19E-08	7.79E-09	1.97E-08
2372	563018.8	4234442	1.23E-07	1.10E-07	2.33E-07	2.09E-08	1.76E-08	3.85E-08	9.95E-08	8.07E-08	1.80E-07	1.63E-08	1.56E-08	3.19E-08	1.22E-08	7.99E-09	2.02E-08
2373	563027.7	4234439	1.25E-07	1.12E-07	2.37E-07	2.12E-08	1.79E-08	3.91E-08	1.01E-07	8.19E-08	1.83E-07	1.66E-08	1.59E-08	3.24E-08	1.24E-08	8.11E-09	2.05E-08
2374	563036.6	4234436	1.26E-07	1.12E-07	2.38E-07	2.13E-08	1.80E-08	3.93E-08	1.02E-07	8.23E-08	1.84E-07	1.66E-08	1.60E-08	3.26E-08	1.24E-08	8.15E-09	2.06E-08
2375	563045.5	4234434	1.25E-07	1.12E-07	2.37E-07	2.12E-08	1.79E-08	3.91E-08	1.01E-07	8.18E-08	1.83E-07	1.65E-08	1.59E-08	3.24E-08	1.23E-08	8.10E-09	2.04E-08
2376	563054.4	4234431	1.23E-07	1.10E-07	2.33E-07	2.09E-08	1.76E-08	3.85E-08	9.95E-08	8.06E-08	1.80E-07	1.63E-08	1.56E-08	3.19E-08	1.22E-08	7.99E-09	2.02E-08
2377	563063.3	4234428	1.20E-07	1.07E-07	2.28E-07	2.04E-08	1.72E-08	3.76E-08	9.72E-08	7.88E-08	1.76E-07	1.59E-08	1.53E-08	3.12E-08	1.19E-08	7.80E-09	1.97E-08
2378	563072.1	4234425	1.17E-07	1.04E-07	2.21E-07	1.98E-08	1.67E-08	3.65E-08	9.43E-08	7.64E-08	1.71E-07	1.54E-08	1.48E-08	3.03E-08	1.15E-08	7.57E-09	1.91E-08
2379	563081	4234422	1.13E-07	1.00E-07	2.13E-07	1.91E-08	1.61E-08	3.52E-08	9.09E-08	7.37E-08	1.65E-07	1.49E-08	1.43E-08	2.92E-08	1.11E-08	7.30E-09	1.84E-08
2380	563089.9	4234419	1.08E-07	9.62E-08	2.04E-07	1.83E-08	1.54E-08	3.37E-08	8.71E-08	7.06E-08	1.58E-07	1.43E-08	1.37E-08	2.79E-08	1.06E-08	6.99E-09	1.76E-08
2381	563098.8	4234416	1.02E-07	9.10E-08	1.93E-07	1.73E-08	1.46E-08	3.19E-08	8.24E-08	6.68E-08	1.49E-07	1.35E-08	1.29E-08	2.64E-08	1.01E-08	6.61E-09	1.67E-08
2382	562870.5	4234614	6.49E-08	5.79E-08	1.23E-07	1.10E-08	9.28E-09	2.03E-08	5.24E-08	4.25E-08	9.49E-08	8.58E-09	8.23E-09	1.68E-08	6.41E-09	4.21E-09	1.06E-08
2383	562869.7	4234623	6.51E-08	5.81E-08	1.23E-07	1.10E-08	9.31E-09	2.04E-08	5.26E-08	4.26E-08	9.52E-08	8.61E-09	8.26E-09	1.69E-08	6.43E-09	4.22E-09	1.07E-08
2384	562868.9	4234633	6.52E-08	5.82E-08	1.23E-07	1.11E-08	9.32E-09	2.04E-08	5.26E-08	4.27E-08	9.53E-08	8.62E-09	8.27E-09	1.69E-08	6.44E-09	4.22E-09	1.07E-08
2385	562868.1	4234642	6.51E-08	5.81E-08	1.23E-07	1.10E-08	9.31E-09	2.04E-08	5.26E-08	4.26E-08	9.52E-08	8.61E-09	8.26E-09	1.69E-08	6.43E-09	4.22E-09	1.06E-08
2386	562867.3	4234651	6.48E-08	5.78E-08	1.23E-07	1.10E-08	9.27E-09	2.03E-08	5.23E-08	4.24E-08	9.48E-08	8.57E-09	8.23E-09	1.68E-08	6.40E-09	4.20E-09	1.06E-08
2387	562866.5	4234661	6.44E-08	5.75E-08	1.22E-07	1.09E-08	9.21E-09	2.01E-08	5.20E-08	4.21E-08	9.41E-08	8.52E-09	8.17E-09	1.67E-08	6.36E-09	4.17E-09	1.05E-08
2388	562865.7	4234670	6.38E-08	5.69E-08	1.21E-07	1.08E-08	9.13E-09	2.00E-08	5.15E-08	4.18E-08	9.33E-08	8.44E-09	8.10E-09	1.65E-08	6.30E-09	4.14E-09	1.04E-08
2389	562864.9	4234679	6.31E-08	5.63E-08	1.19E-07	1.07E-08	9.02E-09	1.97E-08	5.09E-08	4.13E-08	9.22E-08	8.34E-09	8.00E-09	1.63E-08	6.23E-09	4.09E-09	1.03E-08
2390	562864.1	4234689	6.21E-08	5.54E-08	1.18E-07	1.05E-08	8.88E-09	1.94E-08	5.02E-08	4.07E-08	9.08E-08	8.22E-09	7.88E-09	1.61E-08	6.14E-09	4.03E-09	1.02E-08
2391	562863.3	4234698	6.08E-08	5.42E-08	1.15E-07	1.03E-08	8.69E-09	1.90E-08	4.91E-08	3.98E-08	8.88E-08	8.04E-09	7.71E-09	1.57E-08	6.00E-09	3.94E-09	9.94E-09
2392	562862.5	4234707	5.81E-08	5.19E-08	1.10E-07	9.86E-09	8.31E-09	1.82E-08	4.69E-08	3.80E-08	8.50E-08	7.69E-09	7.38E-09	1.51E-08	5.74E-09	3.77E-09	9.51E-09
2393	562861.7	4234717	5.54E-08	4.94E-08	1.05E-07	9.40E-09	7.92E-09	1.73E-08	4.47E-08	3.63E-08	8.10E-08	7.33E-09	7.03E-09	1.44E-08	5.47E-09	3.59E-09	9.06E-09
2394	562860.9	4234726	5.26E-08	4.70E-08	9.96E-08	8.93E-09	7.53E-09	1.65E-08	4.25E-08	3.44E-08	7.70E-08	6.96E-09	6.68E-09	1.36E-08	5.20E-09	3.41E-09	8.61E-09
2395	562854.7	4234604	5.98E-08	5.34E-08	1.13E-07	1.02E-08	8.56E-09	1.87E-08	4.83E-08	3.92E-08	8.75E-08	7.91E-09	7.59E-09	1.55E-08	5.91E-09	3.88E-09	9.79E-09
2396	562859	4234596	6.03E-08	5.38E-08	1.14E-07	1.02E-08	8.63E-09	1.89E-08	4.87E-08	3.95E-08	8.82E-08	7.98E-09	7.66E-09	1.56E-08	5.96E-09	3.91E-09	9.87E-09
2397	562863.2	4234588	6.08E-08	5.42E-08	1.15E-07	1.03E-08	8.70E-09	1.90E-08	4.91E-08	3.98E-08	8.89E-08	8.04E-09	7.72E-09	1.58E-08	6.01E-09	3.94E-09	9.95E-09
2398	562867.4	4234580	6.13E-08	5.47E-08	1.16E-07	1.04E-08	8.76E-09	1.92E-08	4.95E-08	4.01E-08	8.96E-08	8.10E-09	7.77E-09	1.59E-08	6.05E-09	3.97E-09	1.00E-08
2399	562871.6	4234572	6.17E-08	5.51E-08	1.17E-07	1.05E-08	8.83E-09	1.93E-08	4.98E-08	4.04E-08	9.02E-08	8.16E-09	7.83E-09	1.60E-08	6.10E-09	4.00E-09	1.01E-08
2400	562875.8	4234564	6.22E-08	5.55E-08	1.18E-07	1.06E-08	8.90E-09	1.94E-08	5.02E-08	4.07E-08	9.09E-08	8.23E-09	7.89E-09	1.61E-08	6.14E-09	4.03E-09	1.02E-08
2401	562880	4234555	6.27E-08	5.60E-08	1.19E-07	1.06E-08	8.97E-09	1.96E-08	5.06E-08	4.10E-08	9.17E-08	8.29E-09	7.96E-09	1.63E-08	6.19E-09	4.06E-09	1.03E-08
2402	562884.2	4234547	6.33E-08	5.65E-08	1.20E-07	1.07E-08	9.05E-09	1.98E-08	5.11E-08	4.14E-08	9.26E-08	8.37E-09	8.03E-09	1.64E-08	6.25E-09	4.10E-09	1.04E-08
2403	562888.4	4234539	6.40E-08	5.71E-08	1.21E-07	1.09E-08	9.15E-09	2.00E-08	5.17E-08	4.19E-08	9.36E-08	8.46E-09	8.12E-09	1.66E-08	6.32E-09	4.15E-09	1.05E-08
2404	562892.6	4234531	6.48E-08	5.78E-08	1.23E-07	1.10E-08	9.27E-09	2.03E-08	5.24E-08	4.24E-08	9.48E-08	8.57E-09	8.23E-09	1.68E-08	6.40E-09	4.20E-09	1.06E-08
2405	562896.9	4234523	6.58E-08	5.87E-08	1.25E-07	1.12E-08	9.42E-09	2.06E-08	5.32E-08	4.31E-08	9.63E-08	8.71E-09	8.35E-09	1.71E-08	6.50E-09	4.27E-09	1.08E-08
2406	562901.1	4234515	6.70E-08	5.97E-08	1.27E-07	1.14E-08	9.57E-09	2.09E-08	5.41E-08	4.38E-08	9.79E-08	8.85E-09	8.50E-09	1.73E-08	6.61E-09	4.34E-09	1.10E-08
2407	562905.3	4234507	6.78E-08	6.05E-08	1.28E-07	1.15E-08	9.70E-09	2.12E-08	5.48E-08	4.44E-08	9.92E-08	8.97E-09	8.61E-09	1.76E-08	6.70E-09	4.40E-09	1.11E-08
2408	562909.5	4234498	6.89E-08	6.15E-08	1.30E-07	1.17E-08	9.86E-09	2.15E-08	5.56E-08	4.51E-08	1.01E-07	9.11E-09	8.74E-09	1.79E-08	6.81E-09	4.47E-09	1.13E-08
2409	562913.7	4234490	7.02E-08	6.26E-08	1.33E-07	1.19E-08	1.00E-08	2.19E-08	5.67E-08	4.59E-08	1.03E-07	9.28E-09	8.90E-09	1.82E-08	6.93E-09	4.55E-09	1.15E-08
2410	562917.9	4234482	7.19E-08	6.41E-08	1.36E-07	1.22E-08	1.03E-08	2.25E-08	5.80E-08	4.70E-08	1.05E-07	9.50E-09	9.12E-09	1.86E-08	7.10E-09	4.66E-09	1.18E-08
2411	562922.1	4234474	7.40E-08	6.60E-08	1.40E-07	1.25E-08	1.06E-08	2.31E-08	5.97E-08	4.84E-08	1.08E-07	9.78E-09	9.38E-09	1.92E-08	7.30E-09	4.79E-09	1.21E-08
2412	562926.3	4234466	7.61E-08	6.79E-08	1.44E-07	1.29E-08	1.09E-08	2.38E-08	6.15E-08	4.98E-08	1.11E-07	1.01E-08	9.66E-09	1.97E-08	7.52E-09	4.93E-09	1.24E-08
2413	562930.5	4234458	7.83E-08	6.98E-08	1.48E-07	1.33E-08	1.12E-08	2.45E-08	6.32E-08	5.12E-08	1.14E-07	1.04E-08	9.93E-09	2.03E-08	7.73E-09	5.07E-09	1.28E-08
2414	562943.5	4234447	8.49E-08	7.58E-08	1.61E-07	1.44E-08	1.21E-08	2.66E-08	6.86E-08	5.56E-08	1.24E-07	1.12E-08	1.08E-08	2.20E-08	8.39E-09	5.50E-09	1.39E-08
2415	562952.2	4234444	8.95E-08	7.98E-08	1.69E-07	1.52E-08	1.28E-08	2.80E-08	7.23E-08	5.86E-08	1.31E-07	1.18E-08	1.14E-08	2.32E-08	8.84E-09	5.80E-09	1.46E-08
2416	562960.9	4234441	9.40E-08	8.39E-08	1.78E-07	1.60E-08	1.34E-08	2.94E-08	7.59E-08	6.15E-08	1.37E-07	1.24E-08	1.19E-08	2.44E-08	9.29E-09	6.09E-09	1.54E-08
2417	562987.1	4234433	1.06E-07	9.49E-08	2.01E-07	1.80E-08	1.52E-08	3.32E-08	8.59E-08	6.96E-08	1.55E-07	1.41E-08	1.35E-08	2.76E-08	1.05E-08	6.89E-09	1.74E-08
2418	562995.9	4234430	1.10E-07	9.78E-08	2.07E-07	1.86E-08	1.57E-08	3.43E-08	8.85E-08	7.17E-08	1.60E-07	1.45E-08	1.39E-08	2.84E-08	1.08E-08	7.11E-09	1.79E-08
2419	563004.6	4234427	1.12E-07	1.00E-07	2.13E-07	1.91E-08	1.61E-08	3.51E-08	9.07E-08	7.35E-08	1.64E-07	1.49E-08	1.43E-08	2.91E-08	1.11E-08	7.28E-09	1.84E-08
2420	563013.3	4234424	1.14E-07	1.02E-07	2.16E-07	1.94E-08	1.64E-08	3.58E-08	9.23E-08	7.48E-08	1.67E-07	1.51E-08	1.45E-08	2.96E-08	1.13E-08	7.41E-09	1.87E-08
2421	563022.1	4234422	1.16E-07	1.03E-07	2.19E-07	1.96E-08	1.65E-08	3.61E-08	9.33E-08	7.56E-08	1.69E-07	1.53E-08	1.47E-08	3.00E-08	1.14E-08	7.49E-09	1.89E-08
2422	563030.8	4234419	1.16E-07	1.03E-07	2.19E-07	1.97E-08	1.66E-08	3.63E-08	9.36E-08	7.59E-08	1.70E-07	1.53E-08	1.47E-08	3.00E-08	1.15E-08	7.52E-09	1.90E-08
2423	563039.5	4234416	1.15E-07	1.03E-07	2.18E-07	1.96E-08	1.65E-08	3.61E-08	9.32E-08	7.56E-08	1.69E-07	1.53E-08	1.46E-08	2.99E-08	1.14E-08	7.48E-09	1.89E-08
2424	563048.2	4234413	1.14E-07	1.02E-07	2.16E-07	1.94E-08	1.63E-08	3.57E-08	9.21E-08	7.46E-08	1.67E-07	1.51E-08	1.45E-08	2.96E-08	1.13E-08	7.39E-09	1.87E-08
2425	563057	4234410	1.12E-07	9.98E-08	2.12E-07	1.90E-08	1.60E-08	3.50E-08	9.03E-08	7.32E-08	1.63E-07	1.48E-08	1.42E-08	2.90E-08	1.10E-08	7.25E-09	1.83E-08
2426	563065.7	4234408	1.09E-07	9.71E-08	2.06E-07	1.85E-08	1.56E-08	3.40E-08	8.79E-08	7.12E-08	1.59E-07	1.44E-08	1.38E-08	2.82E-08	1.07E-08	7.05E-09	1.78E-08
2427	563074.4	4234405	1.05E-07	9.38E-08	1.99E-07	1.78E-08	1.50E-08	3.29E-08	8.49E-08	6.88E-08	1.54E-07	1.39E-08	1.33E-08	2.73E-08	1.04E-08	6.82E-09	1.72E-08
2428	563083.2	4234402	1.01E-07	9.00E-08	1.91E-07	1.71E-08	1.44E-08	3.16E-08	8.15E-08	6.61E-08	1.48E-07	1.33E-08	1.28E-08	2.62E-08	9.97E-09	6.54E-09	1.65E-08
2429	563091.9	4234399	9.63E-08	8.59E-08	1.82E-07	1.63E-08	1.38E-08	3.01E-08	7.78E-08	6.30E-08	1.41E-07	1.27E-08	1.22E-08	2.50E-08	9.51E-09	6.24E-09	1.58E-08
2430	563100.6	4234396	9.08E-08	8.10E-08	1.72E-07	1.54E-08	1.30E-08	2.84E-08	7.33E-08	5.94E-08	1.33E-07	1.20E-08	1.15E-08	2.35E-08	8.97E-09	5.89E-09	1.49E-08
2431	562850.5	4234612	5.93E-08	5.29E-08	1.12E-07	1.01E-08	8.48E-09	1.85E-08	4.79E-08	3.88E-08	8.67E-08	7.84E-09	7.52E-09	1.54E-08	5.85E-09	3.84E-09	9.70E-09
2432	562849.7	4234622	5.96E-08	5.31E-08	1.13E-07	1.01E-08	8.52E-09	1.86E-08	4.81E-08	3.90E-08	8.71E-08	7.88E-09	7.56E-09	1.54E-08	5.88E-09	3.86E-09	9.74E-09
2433	562848.9	4234631	5.97E-08	5.33E-08	1.13E-07	1.01E-08	8.54E-09	1.87E-08	4.82E-08	3.91E-08	8.73E-08	7.90E-09	7.58E-09	1.55E-08	5.90E-09	3.87E-09	9.77E-09
2434	562848.1	4234640	5.95E-08	5.31E-08	1.13E-07	1.01E-08	8.51E-09	1.86E-08	4.81E-08	3.90E-08	8.70E-08	7.87E-09	7.55E-09	1.54E-08	5.88E-09	3.86E-09	9.74E-09
2435	562847.3	4234650	5.90E-08	5.26E-08	1.12E-07	1.00E-08	8.43E-09	1.84E-08	4.76E-08	3.86E-08	8.62E-08	7.80E-09	7.48E-09	1.53E-08	5.82E-09	3.82E-09	9.64E-09
2436	562846.6	4234659	5.81E-08	5.19E-08	1.10E-07	9.86E-09	8.31E-09	1.82E-08	4.69E-08	3.80E-08	8.50E-08	7.69E-09	7.38E-09	1.51E-08	5.74E-09	3.77E-09	9.51E-09
2437	562845.8	4234668	5.72E-08	5.10E-08	1.08E-07	9.70E-09	8.17E-09	1.79E-08	4.62E-08	3.74E-08	8.36E-08	7.56E-09	7.25E-09	1.48E-08	5.64E-09	3.70E-09	9.35E-09
2438	562845	4234678	5.64E-08	5.03E-08	1.07E-07	9.56E-09	8.06E-09	1.76E-08	4.55E-08	3.69E-08	8.24E-08	7.45E-09	7.15E-09	1.46E-08	5.57E-09	3.65E-09	9.22E-09
2439	562844.2	4234687	5.54E-08	4.94E-08	1.05E-07	9.40E-09	7.92E-09	1.73E-08	4.47E-08	3.62E-08	8.10E-08	7.32E-09	7.03E-09	1.44E-08	5.47E-09	3.59E-09	9.06E-09
2440	562843.4	4234696	5.43E-08	4.84E-08	1.03E-07	9.21E-09	7.76E-09	1.70E-08	4.38E-08	3.55E-08	7.93E-08	7.17E-09	6.88E-09	1.41E-08	5.36E-09	3.52E-09	8.87E-09
2441	562842.6	4234706	5.20E-08	4.64E-08	9.84E-08	8.82E-09	7.44E-09	1.63E-08	4.20E-08	3.40E-08	7.60E-08	6.88E-09	6.60E-09	1.35E-08	5.14E-09	3.37E-09	8.51E-09
2442	562841.8	4234715	4.98E-08	4.44E-08	9.42E-08	8.45E-09	7.12E-09	1.56E-08	4.02E-08	3.26E-08	7.28E-08	6.59E-09	6.32E-09	1.29E-08	4.92E-09	3.23E-09	8.15E-09
2443	562841	4234724	4.76E-08	4.25E-08	9.01E-08	8.08E-09	6.81E-09	1.49E-08	3.85E-08	3.12E-08	6.96E-08	6.30E-09	6.05E-09	1.23E-08	4.71E-09	3.09E-09	7.79E-09
2444	562834.8	4234603	5.50E-08	4.90E-08	1.04E-07	9.33E-09	7.86E-09	1.72E-08	4.44E-08	3.60E-08	8.04E-08	7.27E-09	6.98E-09	1.42E-08	5.43E-09	3.56E-09	8.99E-09
2445	562838.9	4234595	5.53E-08	4.93E-08	1.05E-07	9.38E-09	7.91E-09	1.73E-08	4.46E-08	3.62E-08	8.08E-08	7.31E-09	7.02E-09	1.43E-08	5.46E-09	3.58E-09	9.05E-09
2446	562843.1	4234587	5.56E-08	4.96E-08	1.05E-07	9.43E-09	7.95E-09	1.74E-08	4.49E-08	3.64E-08	8.13E-08	7.35E-09	7.05E-09	1.44E-08	5.49E-09	3.60E-09	9.09E-09
2447	562847.2	4234579	5.58E-08	4.98E-08	1.06E-07	9.47E-09	7.99E-09	1.75E-08	4.51E-08	3.65E-08	8.16E-08	7.38E-09	7.09E-09	1.45E-08	5.51E-09	3.62E-09	9.13E-09
2448	562851.3	4234571	5.61E-08	5.00E-08	1.06E-07	9.52E-09	8.02E-09	1.75E-08	4.53E-08	3.67E-08	8.20E-08	7.42E-09	7.12E-09	1.45E-08	5.54E-09	3.64E-09	9.18E-09
2449	562855.5	4234563	5.64E-08	5.03E-08	1.07E-07	9.56E-09	8.06E-09	1.76E-08	4.55E-08	3.69E-08	8.24E-08	7.45E-09	7.15E-09	1.46E-08	5.57E-09	3.65E-09	9.22E-09
2450	562859.6	4234555	5.66E-08	5.05E-08	1.07E-07	9.61E-09	8.10E-09	1.77E-08	4.57E-08	3.71E-08	8.28E-08	7.49E-09	7.19E-09	1.47E-08	5.59E-09	3.67E-09	9.26E-09
2451	562863.8	4234547	5.70E-08	5.08E-08	1.08E-07	9.67E-09	8.15E-09	1.78E-08	4.60E-08	3.73E-08	8.33E-08	7.53E-09	7.23E-09	1.48E-08	5.63E-09	3.69E-09	9.32E-09
2452	562867.9	4234539	5.74E-08	5.12E-08	1.09E-07	9.74E-09	8.21E-09	1.79E-08	4.63E-08	3.75E-08	8.39E-08	7.59E-09	7.28E-09	1.49E-08	5.67E-09	3.72E-09	9.38E-09
2453	562872.1	4234530	5.79E-08	5.16E-08	1.10E-07	9.82E-09	8.28E-09	1.81E-08	4.67E-08	3.79E-08	8.46E-08	7.65E-09	7.34E-09	1.50E-08	5.72E-09	3.75E-09	9.47E-09

2454	562876.2	4234522	5.85E-08	5.22E-08	1.11E-07	9.93E-09	8.37E-09	1.83E-08	4.72E-08	3.83E-08	8.55E-08	7.74E-09	7.42E-09	1.52E-08	5.78E-09	3.79E-09	9.57E-09
2455	562880.4	4234514	5.92E-08	5.28E-08	1.12E-07	1.00E-08	8.46E-09	1.85E-08	4.78E-08	3.87E-08	8.65E-08	7.83E-09	7.51E-09	1.53E-08	5.85E-09	3.84E-09	9.68E-09
2456	562884.5	4234506	5.97E-08	5.32E-08	1.13E-07	1.01E-08	8.54E-09	1.87E-08	4.82E-08	3.91E-08	8.73E-08	7.89E-09	7.57E-09	1.55E-08	5.90E-09	3.87E-09	9.76E-09
2457	562888.7	4234498	6.04E-08	5.39E-08	1.14E-07	1.02E-08	8.64E-09	1.89E-08	4.88E-08	3.95E-08	8.83E-08	7.99E-09	7.66E-09	1.57E-08	5.97E-09	3.91E-09	9.88E-09
2458	562892.8	4234490	6.13E-08	5.47E-08	1.16E-07	1.04E-08	8.77E-09	1.92E-08	4.95E-08	4.01E-08	8.96E-08	8.11E-09	7.78E-09	1.59E-08	6.05E-09	3.97E-09	1.00E-08
2459	562897	4234482	6.26E-08	5.58E-08	1.18E-07	1.06E-08	8.95E-09	1.96E-08	5.05E-08	4.10E-08	9.15E-08	8.28E-09	7.94E-09	1.62E-08	6.18E-09	4.06E-09	1.02E-08
2460	562901.1	4234474	6.43E-08	5.73E-08	1.22E-07	1.09E-08	9.19E-09	2.01E-08	5.19E-08	4.21E-08	9.40E-08	8.50E-09	8.16E-09	1.67E-08	6.35E-09	4.17E-09	1.05E-08
2461	562905.3	4234466	6.61E-08	5.90E-08	1.25E-07	1.12E-08	9.46E-09	2.07E-08	5.34E-08	4.33E-08	9.67E-08	8.74E-09	8.39E-09	1.71E-08	6.53E-09	4.29E-09	1.08E-08
2462	562909.4	4234458	6.80E-08	6.07E-08	1.29E-07	1.15E-08	9.73E-09	2.13E-08	5.49E-08	4.45E-08	9.95E-08	9.00E-09	8.63E-09	1.76E-08	6.72E-09	4.41E-09	1.11E-08
2463	562913.5	4234450	7.00E-08	6.25E-08	1.32E-07	1.19E-08	1.00E-08	2.19E-08	5.65E-08	4.58E-08	1.02E-07	9.26E-09	8.88E-09	1.81E-08	6.91E-09	4.54E-09	1.15E-08
2464	562917.7	4234442	7.20E-08	6.42E-08	1.36E-07	1.22E-08	1.03E-08	2.25E-08	5.81E-08	4.71E-08	1.05E-07	9.52E-09	9.13E-09	1.87E-08	7.11E-09	4.67E-09	1.18E-08
2465	562930.4	4234432	7.80E-08	6.95E-08	1.48E-07	1.32E-08	1.11E-08	2.44E-08	6.29E-08	5.10E-08	1.14E-07	1.03E-08	9.89E-09	2.02E-08	7.70E-09	5.05E-09	1.28E-08
2466	562947.6	4234426	8.61E-08	7.68E-08	1.63E-07	1.46E-08	1.23E-08	2.69E-08	6.95E-08	5.64E-08	1.26E-07	1.14E-08	1.09E-08	2.23E-08	8.50E-09	5.58E-09	1.41E-08
2467	562982	4234415	1.01E-07	8.98E-08	1.90E-07	1.71E-08	1.44E-08	3.15E-08	8.13E-08	6.59E-08	1.47E-07	1.33E-08	1.28E-08	2.61E-08	9.94E-09	6.52E-09	1.65E-08
2468	562999.2	4234410	1.06E-07	9.42E-08	2.00E-07	1.79E-08	1.51E-08	3.30E-08	8.53E-08	6.91E-08	1.54E-07	1.40E-08	1.34E-08	2.74E-08	1.04E-08	6.85E-09	1.73E-08
2469	563007.8	4234407	1.07E-07	9.56E-08	2.03E-07	1.82E-08	1.53E-08	3.35E-08	8.66E-08	7.02E-08	1.57E-07	1.42E-08	1.36E-08	2.78E-08	1.06E-08	6.95E-09	1.75E-08
2470	563025	4234401	1.08E-07	9.66E-08	2.05E-07	1.84E-08	1.55E-08	3.39E-08	8.74E-08	7.09E-08	1.58E-07	1.43E-08	1.37E-08	2.81E-08	1.07E-08	7.02E-09	1.77E-08
2471	563042.2	4234396	1.06E-07	9.49E-08	2.01E-07	1.81E-08	1.52E-08	3.33E-08	8.59E-08	6.96E-08	1.56E-07	1.41E-08	1.35E-08	2.76E-08	1.05E-08	6.90E-09	1.74E-08
2472	563059.4	4234390	1.02E-07	9.07E-08	1.92E-07	1.73E-08	1.45E-08	3.18E-08	8.21E-08	6.65E-08	1.49E-07	1.34E-08	1.29E-08	2.64E-08	1.00E-08	6.59E-09	1.66E-08
2473	563076.6	4234385	9.47E-08	8.45E-08	1.79E-07	1.61E-08	1.35E-08	2.96E-08	7.65E-08	6.20E-08	1.38E-07	1.25E-08	1.20E-08	2.45E-08	9.35E-09	6.14E-09	1.55E-08
2474	563093.8	4234379	8.62E-08	7.69E-08	1.63E-07	1.46E-08	1.23E-08	2.70E-08	6.96E-08	5.64E-08	1.26E-07	1.14E-08	1.09E-08	2.23E-08	8.52E-09	5.59E-09	1.41E-08
2475	562830.6	4234611	5.46E-08	4.87E-08	1.03E-07	9.27E-09	7.81E-09	1.71E-08	4.41E-08	3.57E-08	7.98E-08	7.22E-09	6.93E-09	1.41E-08	5.39E-09	3.54E-09	8.93E-09
2476	562829.8	4234620	5.49E-08	4.90E-08	1.04E-07	9.32E-09	7.85E-09	1.72E-08	4.43E-08	3.59E-08	8.03E-08	7.26E-09	6.97E-09	1.42E-08	5.42E-09	3.56E-09	8.98E-09
2477	562829	4234629	5.51E-08	4.92E-08	1.04E-07	9.35E-09	7.88E-09	1.72E-08	4.45E-08	3.61E-08	8.05E-08	7.29E-09	6.99E-09	1.43E-08	5.44E-09	3.57E-09	9.01E-09
2478	562828.2	4234639	5.48E-08	4.89E-08	1.04E-07	9.29E-09	7.83E-09	1.71E-08	4.42E-08	3.58E-08	8.01E-08	7.24E-09	6.95E-09	1.42E-08	5.41E-09	3.55E-09	8.96E-09
2479	562827.4	4234648	5.32E-08	4.75E-08	1.01E-07	9.03E-09	7.61E-09	1.66E-08	4.30E-08	3.48E-08	7.78E-08	7.04E-09	6.75E-09	1.38E-08	5.26E-09	3.45E-09	8.71E-09
2480	562826.6	4234657	5.16E-08	4.60E-08	9.76E-08	8.75E-09	7.38E-09	1.61E-08	4.17E-08	3.38E-08	7.54E-08	6.82E-09	6.55E-09	1.34E-08	5.09E-09	3.34E-09	8.44E-09
2481	562825.8	4234667	5.00E-08	4.46E-08	9.45E-08	8.48E-09	7.15E-09	1.56E-08	4.03E-08	3.27E-08	7.30E-08	6.61E-09	6.34E-09	1.29E-08	4.93E-09	3.24E-09	8.17E-09
2482	562825	4234676	4.93E-08	4.40E-08	9.33E-08	8.36E-09	7.05E-09	1.54E-08	3.98E-08	3.23E-08	7.21E-08	6.52E-09	6.26E-09	1.28E-08	4.87E-09	3.20E-09	8.06E-09
2483	562824.2	4234685	4.85E-08	4.32E-08	9.17E-08	8.23E-09	6.93E-09	1.52E-08	3.91E-08	3.17E-08	7.09E-08	6.41E-09	6.15E-09	1.26E-08	4.79E-09	3.14E-09	7.93E-09
2484	562823.4	4234695	4.75E-08	4.24E-08	8.99E-08	8.06E-09	6.80E-09	1.49E-08	3.84E-08	3.11E-08	6.95E-08	6.28E-09	6.03E-09	1.23E-08	4.69E-09	3.08E-09	7.77E-09
2485	562822.6	4234704	4.65E-08	4.15E-08	8.80E-08	7.89E-09	6.65E-09	1.45E-08	3.75E-08	3.04E-08	6.80E-08	6.15E-09	5.90E-09	1.20E-08	4.59E-09	3.01E-09	7.60E-09
2486	562821.8	4234713	4.53E-08	4.05E-08	8.58E-08	7.69E-09	6.49E-09	1.42E-08	3.66E-08	2.97E-08	6.63E-08	6.00E-09	5.75E-09	1.18E-08	4.48E-09	2.94E-09	7.42E-09
2487	562821	4234722	4.41E-08	3.93E-08	8.34E-08	7.48E-09	6.31E-09	1.38E-08	3.56E-08	2.89E-08	6.45E-08	5.83E-09	5.60E-09	1.14E-08	4.36E-09	2.86E-09	7.21E-09
2488	562815	4234601	4.98E-08	4.44E-08	9.42E-08	8.45E-09	7.12E-09	1.56E-08	4.02E-08	3.26E-08	7.28E-08	6.59E-09	6.32E-09	1.29E-08	4.92E-09	3.23E-09	8.15E-09
2489	562819.2	4234592	5.07E-08	4.53E-08	9.60E-08	8.61E-09	7.25E-09	1.59E-08	4.10E-08	3.32E-08	7.42E-08	6.71E-09	6.44E-09	1.31E-08	5.01E-09	3.29E-09	8.30E-09
2490	562823.5	4234584	5.13E-08	4.57E-08	9.70E-08	8.70E-09	7.33E-09	1.60E-08	4.14E-08	3.35E-08	7.49E-08	6.78E-09	6.50E-09	1.33E-08	5.06E-09	3.32E-09	8.38E-09
2491	562827.8	4234576	5.14E-08	4.58E-08	9.72E-08	8.72E-09	7.35E-09	1.61E-08	4.15E-08	3.36E-08	7.51E-08	6.80E-09	6.52E-09	1.33E-08	5.07E-09	3.33E-09	8.40E-09
2492	562832	4234568	5.15E-08	4.59E-08	9.74E-08	8.74E-09	7.36E-09	1.61E-08	4.16E-08	3.37E-08	7.53E-08	6.81E-09	6.53E-09	1.33E-08	5.09E-09	3.34E-09	8.42E-09
2493	562836.3	4234559	5.16E-08	4.60E-08	9.76E-08	8.76E-09	7.38E-09	1.61E-08	4.17E-08	3.38E-08	7.54E-08	6.82E-09	6.55E-09	1.34E-08	5.10E-09	3.34E-09	8.44E-09
2494	562840.6	4234551	5.17E-08	4.61E-08	9.79E-08	8.78E-09	7.40E-09	1.62E-08	4.18E-08	3.38E-08	7.56E-08	6.84E-09	6.56E-09	1.34E-08	5.11E-09	3.35E-09	8.46E-09
2495	562844.9	4234543	5.18E-08	4.62E-08	9.81E-08	8.80E-09	7.41E-09	1.62E-08	4.19E-08	3.39E-08	7.58E-08	6.86E-09	6.58E-09	1.34E-08	5.12E-09	3.36E-09	8.48E-09
2496	562849.1	4234535	5.20E-08	4.64E-08	9.84E-08	8.83E-09	7.44E-09	1.63E-08	4.20E-08	3.40E-08	7.60E-08	6.88E-09	6.60E-09	1.35E-08	5.14E-09	3.37E-09	8.51E-09
2497	562853.4	4234526	5.24E-08	4.67E-08	9.91E-08	8.89E-09	7.49E-09	1.64E-08	4.23E-08	3.43E-08	7.66E-08	6.93E-09	6.65E-09	1.36E-08	5.17E-09	3.40E-09	8.57E-09
2498	562857.7	4234518	5.28E-08	4.71E-08	9.99E-08	8.96E-09	7.55E-09	1.65E-08	4.26E-08	3.46E-08	7.72E-08	6.99E-09	6.70E-09	1.37E-08	5.22E-09	3.42E-09	8.64E-09
2499	562861.9	4234510	5.31E-08	4.73E-08	1.00E-07	9.00E-09	7.59E-09	1.66E-08	4.28E-08	3.47E-08	7.76E-08	7.02E-09	6.73E-09	1.37E-08	5.24E-09	3.44E-09	8.68E-09
2500	562866.2	4234502	5.34E-08	4.76E-08	1.01E-07	9.05E-09	7.63E-09	1.67E-08	4.31E-08	3.49E-08	7.80E-08	7.06E-09	6.77E-09	1.38E-08	5.27E-09	3.46E-09	8.73E-09
2501	562870.5	4234493	5.39E-08	4.81E-08	1.02E-07	9.14E-09	7.70E-09	1.68E-08	4.35E-08	3.53E-08	7.88E-08	7.12E-09	6.84E-09	1.40E-08	5.32E-09	3.49E-09	8.81E-09
2502	562874.8	4234485	5.46E-08	4.87E-08	1.03E-07	9.27E-09	7.81E-09	1.71E-08	4.41E-08	3.57E-08	7.98E-08	7.22E-09	6.93E-09	1.42E-08	5.39E-09	3.54E-09	8.93E-09
2503	562879	4234477	5.59E-08	4.99E-08	1.06E-07	9.49E-09	8.00E-09	1.75E-08	4.51E-08	3.66E-08	8.17E-08	7.39E-09	7.10E-09	1.45E-08	5.52E-09	3.62E-09	9.15E-09
2504	562883.3	4234469	5.74E-08	5.12E-08	1.09E-07	9.74E-09	8.21E-09	1.79E-08	4.63E-08	3.76E-08	8.39E-08	7.59E-09	7.28E-09	1.49E-08	5.67E-09	3.72E-09	9.39E-09
2505	562887.6	4234460	5.90E-08	5.27E-08	1.12E-07	1.00E-08	8.44E-09	1.85E-08	4.77E-08	3.86E-08	8.63E-08	7.81E-09	7.49E-09	1.53E-08	5.83E-09	3.83E-09	9.65E-09
2506	562891.8	4234452	6.08E-08	5.42E-08	1.15E-07	1.03E-08	8.69E-09	1.90E-08	4.91E-08	3.98E-08	8.88E-08	8.04E-09	7.71E-09	1.57E-08	6.00E-09	3.94E-09	9.94E-09
2507	562896.1	4234444	6.26E-08	5.59E-08	1.18E-07	1.06E-08	8.95E-09	1.96E-08	5.06E-08	4.10E-08	9.15E-08	8.28E-09	7.94E-09	1.62E-08	6.18E-09	4.06E-09	1.02E-08
2508	562900.4	4234436	6.45E-08	5.75E-08	1.22E-07	1.09E-08	9.22E-09	2.02E-08	5.21E-08	4.22E-08	9.43E-08	8.53E-09	8.18E-09	1.67E-08	6.37E-09	4.18E-09	1.05E-08
2509	562904.7	4234427	6.64E-08	5.92E-08	1.26E-07	1.13E-08	9.49E-09	2.08E-08	5.36E-08	4.34E-08	9.70E-08	8.78E-09	8.42E-09	1.72E-08	6.56E-09	4.30E-09	1.09E-08
2510	562917.8	4234416	7.20E-08	6.42E-08	1.36E-07	1.22E-08	1.03E-08	2.25E-08	5.81E-08	4.71E-08	1.05E-07	9.52E-09	9.14E-09	1.87E-08	7.11E-09	4.67E-09	1.18E-08
2511	562926.6	4234413	7.58E-08	6.76E-08	1.43E-07	1.29E-08	1.08E-08	2.37E-08	6.12E-08	4.96E-08	1.11E-07	1.00E-08	9.62E-09	1.96E-08	7.49E-09	4.91E-09	1.24E-08
2512	562935.5	4234410	7.97E-08	7.11E-08	1.51E-07	1.35E-08	1.14E-08	2.49E-08	6.43E-08	5.21E-08	1.16E-07	1.05E-08	1.01E-08	2.06E-08	7.87E-09	5.16E-09	1.30E-08
2513	562944.4	4234408	8.34E-08	7.44E-08	1.58E-07	1.42E-08	1.19E-08	2.61E-08	6.73E-08	5.46E-08	1.22E-07	1.10E-08	1.06E-08	2.16E-08	8.24E-09	5.41E-09	1.36E-08
2514	562953.2	4234405	8.70E-08	7.76E-08	1.65E-07	1.48E-08	1.24E-08	2.72E-08	7.03E-08	5.70E-08	1.27E-07	1.15E-08	1.10E-08	2.26E-08	8.60E-09	5.64E-09	1.42E-08
2515	562979.8	4234396	9.62E-08	8.58E-08	1.82E-07	1.63E-08	1.38E-08	3.01E-08	7.77E-08	6.30E-08	1.41E-07	1.27E-08	1.22E-08	2.49E-08	9.50E-09	6.24E-09	1.57E-08
2516	562988.6	4234393	9.84E-08	8.78E-08	1.86E-07	1.67E-08	1.41E-08	3.08E-08	7.95E-08	6.44E-08	1.44E-07	1.30E-08	1.25E-08	2.55E-08	9.72E-09	6.38E-09	1.61E-08
2517	562997.5	4234391	1.00E-07	8.93E-08	1.89E-07	1.70E-08	1.43E-08	3.13E-08	8.08E-08	6.55E-08	1.46E-07	1.32E-08	1.27E-08	2.59E-08	9.89E-09	6.49E-09	1.64E-08
2518	563006.4	4234388	1.01E-07	9.02E-08	1.91E-07	1.72E-08	1.45E-08	3.16E-08	8.17E-08	6.62E-08	1.48E-07	1.34E-08	1.28E-08	2.62E-08	9.99E-09	6.56E-09	1.65E-08
2519	563015.2	4234385	1.02E-07	9.06E-08	1.92E-07	1.72E-08	1.45E-08	3.17E-08	8.20E-08	6.64E-08	1.48E-07	1.34E-08	1.29E-08	2.63E-08	1.00E-08	6.58E-09	1.66E-08
2520	563024.1	4234382	1.01E-07	9.03E-08	1.91E-07	1.72E-08	1.45E-08	3.16E-08	8.17E-08	6.62E-08	1.48E-07	1.34E-08	1.28E-08	2.62E-08	9.99E-09	6.56E-09	1.65E-08
2521	563032.9	4234379	1.00E-07	8.93E-08	1.89E-07	1.70E-08	1.43E-08	3.13E-08	8.09E-08	6.55E-08	1.46E-07	1.32E-08	1.27E-08	2.59E-08	9.89E-09	6.49E-09	1.64E-08
2522	563041.8	4234376	9.84E-08	8.78E-08	1.86E-07	1.67E-08	1.41E-08	3.08E-08	7.95E-08	6.44E-08	1.44E-07	1.30E-08	1.25E-08	2.55E-08	9.72E-09	6.38E-09	1.61E-08
2523	563050.6	4234374	9.61E-08	8.57E-08	1.82E-07	1.63E-08	1.37E-08	3.00E-08	7.76E-08	6.29E-08	1.40E-07	1.27E-08	1.22E-08	2.49E-08	9.49E-09	6.23E-09	1.57E-08
2524	563059.5	4234371	9.32E-08	8.31E-08	1.76E-07	1.58E-08	1.33E-08	2.91E-08	7.52E-08	6.10E-08	1.36E-07	1.23E-08	1.18E-08	2.41E-08	9.20E-09	6.04E-09	1.52E-08
2525	563068.4	4234368	8.98E-08	8.01E-08	1.70E-07	1.52E-08	1.28E-08	2.81E-08	7.25E-08	5.88E-08	1.31E-07	1.19E-08	1.14E-08	2.33E-08	8.87E-09	5.82E-09	1.47E-08
2526	563077.2	4234365	8.60E-08	7.67E-08	1.63E-07	1.46E-08	1.23E-08	2.69E-08	6.95E-08	5.63E-08	1.26E-07	1.14E-08	1.09E-08	2.23E-08	8.50E-09	5.58E-09	1.41E-08
2527	563086.1	4234362	8.20E-08	7.32E-08	1.55E-07	1.39E-08	1.17E-08	2.56E-08	6.62E-08	5.37E-08	1.20E-07	1.08E-08	1.04E-08	2.12E-08	8.10E-09	5.31E-09	1.34E-08
2528	563094.9	4234359	7.77E-08	6.93E-08	1.47E-07	1.32E-08	1.11E-08	2.43E-08	6.28E-08	5.09E-08	1.14E-07	1.03E-08	9.86E-09	2.01E-08	7.68E-09	5.04E-09	1.27E-08
2529	563103.8	4234357	7.29E-08	6.51E-08	1.38E-07	1.24E-08	1.04E-08	2.28E-08	5.89E-08	4.77E-08	1.07E-07	9.64E-09	9.25E-09	1.89E-08	7.20E-09	4.73E-09	1.19E-08
2530	562810.7	4234609	4.87E-08	4.34E-08	9.21E-08	8.26E-09	6.96E-09	1.52E-08	3.93E-08	3.18E-08	7.11E-08	6.44E-09	6.17E-09	1.26E-08	4.81E-09	3.15E-09	7.96E-09
2531	562809.9	4234618	4.88E-08	4.36E-08	9.24E-08	8.29E-09	6.99E-09	1.53E-08	3.94E-08	3.20E-08	7.14E-08	6.46E-09	6.20E-09	1.27E-08	4.82E-09	3.17E-09	7.99E-09
2532	562809.1	4234628	4.89E-08	4.36E-08	9.26E-08	8.30E-09	7.00E-09	1.53E-08	3.95E-08	3.20E-08	7.15E-08	6.47E-09	6.21E-09	1.27E-08	4.83E-09	3.17E-09	8.00E-09
2533	562808.3	4234637	4.88E-08	4.35E-08	9.23E-08	8.28E-09	6.98E-09	1.53E-08	3.94E-08	3.19E-08	7.13E-08	6.45E-09	6.19E-09	1.26E-08	4.82E-09	3.16E-09	7.98E-09
2534	562807.5	4234646	4.80E-08	4.28E-08	9.08E-08	8.15E-09	6.87E-09	1.50E-08	3.88E-08	3.14E-08	7.02E-08	6.35E-09	6.09E-09	1.24E-08	4.74E-09	3.11E-09	7.85E-09
2535	562806.7	4234656	4.72E-08	4.21E-08	8.93E-08	8.00E-09	6.75E-09	1.48E-08	3.81E-08	3.09E-08	6.90E-08	6.24E-09	5.99E-09	1.22E-08	4.66E-09	3.06E-09	7.72E-09
2536	562805.9	4234665	4.63E-08	4.13E-08	8.76E-08	7.86E-09	6.62E-09	1.45E-08	3.74E-08	3.03E-08	6.77E-08	6.12E-09	5.88E-09	1.20E-08	4.57E-09	3.00E-09	7.57E-09
2537	562805.1	4234674	4.57E-08	4.08E-08	8.65E-08	7.75E-09	6.54E-09	1.43E-08	3.69E-08	2.99E-08	6.68E-08	6.04E-09	5.80E-09	1.18E-08	4.51E-09	2.96E-09	7.47E-09
2538	562804.3	4234684	4.50E-08	4.01E-08	8.51E-08	7.63E-09	6.43E-09	1.41E-08	3.63E-08	2.94E-08	6.58E-08	5.95E-09	5.71E-09	1.17E-08	4.44E-09	2.92E-09	7.36E-09
2539	562803.5	4234693	4.41E-08	3.94E-08	8.35E-08	7.49E-09	6.31E-09	1.38E-08	3.56E-08	2.89E-08	6.45E-08	5.84E-09	5.60E-09	1.14E-08	4.36E-09	2.86E-09	7.22E-09
2540	562802.7	4234702	4.36E-08	3.89E-08	8.24E-08	7.39E-09	6.23E-09	1.36E-08	3.52E-08	2.85E-08	6.37E-08	5.76E-09	5.53E-09	1.13E-08	4.30E-09	2.82E-09	7.12E-09
2541	562801.9	4234711	4.32E-08	3.85E-08	8.17E-08	7.32E-09	6.17E-09	1.35E-08	3.48E-08	2.82E-08	6.31E-08	5.71E-09	5.48E-09	1.12E-08	4.26E-09	2.80E-09	7.06E-09
2542	562801.1	4234721	4.27E-08	3.81E-08	8.08E-08	7.25E-09	6.11E-09	1.34E-08	3.45E-08	2.80E-08	6.24E-08	5.65E-09	5.42E-09	1.11E-08	4.22E-09	2.77E-09	6.99E-09
2543	562795	4234599	4.45E-08	3.97E-08	8.41E-08	7.55E-09	6.36E-09	1.39E-08	3.59E-08	2.91E-08	6.50E-08	5.88E-09	5.64E-09	1.15E-08	4.39E-09	2.88E-09	7.27E-09
2544	562799.2	4234591	4.58E-08	4.09E-08	8.67E-08	7.78E-09	6.56E-09	1.43E-08	3.70E-08	3.00E-08	6.70E-08	6.06E-09	5.82E-09	1.19E-08	4.53E-09	2.97E-09	7.50E-09

2545	562803.4	4234583	4.69E-08	4.19E-08	8.88E-08	7.97E-09	6.71E-09	1.47E-08	3.79E-08	3.07E-08	6.86E-08	6.21E-09	5.96E-09	1.22E-08	4.64E-09	3.04E-09	7.68E-09
2546	562807.6	4234575	4.76E-08	4.24E-08	9.00E-08	8.07E-09	6.80E-09	1.49E-08	3.84E-08	3.11E-08	6.95E-08	6.29E-09	6.04E-09	1.23E-08	4.70E-09	3.08E-09	7.78E-09
2547	562811.8	4234567	4.74E-08	4.23E-08	8.97E-08	8.05E-09	6.78E-09	1.48E-08	3.83E-08	3.10E-08	6.93E-08	6.27E-09	6.02E-09	1.23E-08	4.68E-09	3.07E-09	7.76E-09
2548	562816	4234558	4.74E-08	4.23E-08	8.97E-08	8.04E-09	6.78E-09	1.48E-08	3.83E-08	3.10E-08	6.93E-08	6.27E-09	6.01E-09	1.23E-08	4.68E-09	3.07E-09	7.75E-09
2549	562820.2	4234550	4.75E-08	4.23E-08	8.98E-08	8.05E-09	6.79E-09	1.48E-08	3.83E-08	3.11E-08	6.94E-08	6.28E-09	6.02E-09	1.23E-08	4.69E-09	3.08E-09	7.76E-09
2550	562824.4	4234542	4.74E-08	4.23E-08	8.97E-08	8.05E-09	6.78E-09	1.48E-08	3.83E-08	3.10E-08	6.93E-08	6.27E-09	6.02E-09	1.23E-08	4.68E-09	3.07E-09	7.76E-09
2551	562828.7	4234534	4.72E-08	4.21E-08	8.93E-08	8.01E-09	6.75E-09	1.48E-08	3.81E-08	3.09E-08	6.90E-08	6.24E-09	5.99E-09	1.22E-08	4.66E-09	3.06E-09	7.72E-09
2552	562832.9	4234526	4.71E-08	4.20E-08	8.92E-08	8.00E-09	6.74E-09	1.47E-08	3.80E-08	3.08E-08	6.89E-08	6.23E-09	5.98E-09	1.22E-08	4.65E-09	3.05E-09	7.71E-09
2553	562837.1	4234518	4.72E-08	4.21E-08	8.93E-08	8.01E-09	6.75E-09	1.48E-08	3.81E-08	3.09E-08	6.90E-08	6.24E-09	5.99E-09	1.22E-08	4.66E-09	3.06E-09	7.72E-09
2554	562841.3	4234510	4.75E-08	4.24E-08	8.99E-08	8.06E-09	6.79E-09	1.49E-08	3.84E-08	3.11E-08	6.94E-08	6.28E-09	6.03E-09	1.23E-08	4.69E-09	3.08E-09	7.77E-09
2555	562845.5	4234501	4.78E-08	4.26E-08	9.04E-08	8.11E-09	6.84E-09	1.49E-08	3.86E-08	3.13E-08	6.99E-08	6.32E-09	6.06E-09	1.24E-08	4.72E-09	3.10E-09	7.82E-09
2556	562849.7	4234493	4.81E-08	4.29E-08	9.11E-08	8.17E-09	6.88E-09	1.51E-08	3.89E-08	3.15E-08	7.04E-08	6.37E-09	6.11E-09	1.25E-08	4.75E-09	3.12E-09	7.87E-09
2557	562853.9	4234485	4.86E-08	4.34E-08	9.20E-08	8.25E-09	6.95E-09	1.52E-08	3.92E-08	3.18E-08	7.10E-08	6.43E-09	6.17E-09	1.26E-08	4.80E-09	3.15E-09	7.95E-09
2558	562858.1	4234477	4.95E-08	4.42E-08	9.37E-08	8.40E-09	7.08E-09	1.55E-08	4.00E-08	3.24E-08	7.24E-08	6.55E-09	6.28E-09	1.28E-08	4.89E-09	3.21E-09	8.10E-09
2559	562862.3	4234469	5.06E-08	4.51E-08	9.57E-08	8.58E-09	7.24E-09	1.58E-08	4.08E-08	3.31E-08	7.40E-08	6.69E-09	6.42E-09	1.31E-08	5.00E-09	3.28E-09	8.28E-09
2560	562866.5	4234461	5.18E-08	4.62E-08	9.81E-08	8.80E-09	7.41E-09	1.62E-08	4.19E-08	3.39E-08	7.58E-08	6.86E-09	6.58E-09	1.34E-08	5.12E-09	3.36E-09	8.48E-09
2561	562870.8	4234453	5.32E-08	4.75E-08	1.01E-07	9.03E-09	7.61E-09	1.66E-08	4.30E-08	3.48E-08	7.78E-08	7.04E-09	6.75E-09	1.38E-08	5.26E-09	3.45E-09	8.71E-09
2562	562875	4234444	5.48E-08	4.88E-08	1.04E-07	9.29E-09	7.83E-09	1.71E-08	4.42E-08	3.58E-08	8.00E-08	7.24E-09	6.95E-09	1.42E-08	5.41E-09	3.55E-09	8.96E-09
2563	562879.2	4234436	5.64E-08	5.03E-08	1.07E-07	9.57E-09	8.06E-09	1.76E-08	4.55E-08	3.69E-08	8.24E-08	7.46E-09	7.15E-09	1.46E-08	5.57E-09	3.65E-09	9.22E-09
2564	562883.4	4234428	5.81E-08	5.18E-08	1.10E-07	9.85E-09	8.30E-09	1.82E-08	4.69E-08	3.80E-08	8.49E-08	7.68E-09	7.37E-09	1.50E-08	5.73E-09	3.76E-09	9.50E-09
2565	562887.6	4234420	5.98E-08	5.33E-08	1.13E-07	1.01E-08	8.55E-09	1.87E-08	4.83E-08	3.91E-08	8.74E-08	7.90E-09	7.58E-09	1.55E-08	5.90E-09	3.87E-09	9.78E-09
2566	562891.8	4234412	6.15E-08	5.49E-08	1.16E-07	1.04E-08	8.79E-09	1.92E-08	4.97E-08	4.02E-08	8.99E-08	8.13E-09	7.80E-09	1.59E-08	6.07E-09	3.99E-09	1.01E-08
2567	562904.8	4234401	6.66E-08	5.94E-08	1.26E-07	1.13E-08	9.52E-09	2.08E-08	5.37E-08	4.36E-08	9.73E-08	8.80E-09	8.45E-09	1.72E-08	6.57E-09	4.31E-09	1.09E-08
2568	562913.5	4234398	7.00E-08	6.24E-08	1.32E-07	1.19E-08	1.00E-08	2.19E-08	5.65E-08	4.58E-08	1.02E-07	9.26E-09	8.88E-09	1.81E-08	6.91E-09	4.54E-09	1.14E-08
2569	562922.2	4234395	7.34E-08	6.55E-08	1.39E-07	1.25E-08	1.05E-08	2.30E-08	5.93E-08	4.81E-08	1.07E-07	9.71E-09	9.32E-09	1.90E-08	7.25E-09	4.76E-09	1.20E-08
2570	562930.9	4234393	7.69E-08	6.86E-08	1.45E-07	1.30E-08	1.10E-08	2.40E-08	6.21E-08	5.03E-08	1.12E-07	1.02E-08	9.75E-09	1.99E-08	7.59E-09	4.98E-09	1.26E-08
2571	562939.7	4234390	8.02E-08	7.15E-08	1.52E-07	1.36E-08	1.15E-08	2.51E-08	6.47E-08	5.25E-08	1.17E-07	1.06E-08	1.02E-08	2.08E-08	7.92E-09	5.20E-09	1.31E-08
2572	562948.4	4234387	8.33E-08	7.44E-08	1.58E-07	1.41E-08	1.19E-08	2.61E-08	6.73E-08	5.45E-08	1.22E-07	1.10E-08	1.06E-08	2.16E-08	8.23E-09	5.40E-09	1.36E-08
2573	562957.1	4234384	8.63E-08	7.70E-08	1.63E-07	1.46E-08	1.23E-08	2.70E-08	6.97E-08	5.65E-08	1.26E-07	1.14E-08	1.09E-08	2.24E-08	8.52E-09	5.59E-09	1.41E-08
2574	562983.3	4234376	9.30E-08	8.30E-08	1.76E-07	1.58E-08	1.33E-08	2.91E-08	7.51E-08	6.09E-08	1.36E-07	1.23E-08	1.18E-08	2.41E-08	9.19E-09	6.03E-09	1.52E-08
2575	562992.1	4234373	9.44E-08	8.42E-08	1.79E-07	1.60E-08	1.35E-08	2.95E-08	7.62E-08	6.18E-08	1.38E-07	1.25E-08	1.20E-08	2.45E-08	9.32E-09	6.12E-09	1.54E-08
2576	563000.8	4234370	9.52E-08	8.49E-08	1.80E-07	1.61E-08	1.36E-08	2.98E-08	7.68E-08	6.23E-08	1.39E-07	1.26E-08	1.21E-08	2.47E-08	9.40E-09	6.17E-09	1.56E-08
2577	563009.5	4234367	9.54E-08	8.51E-08	1.80E-07	1.62E-08	1.36E-08	2.98E-08	7.70E-08	6.24E-08	1.39E-07	1.26E-08	1.21E-08	2.47E-08	9.42E-09	6.18E-09	1.56E-08
2578	563018.2	4234365	9.50E-08	8.47E-08	1.80E-07	1.61E-08	1.36E-08	2.97E-08	7.67E-08	6.21E-08	1.39E-07	1.26E-08	1.20E-08	2.46E-08	9.38E-09	6.15E-09	1.55E-08
2579	563027	4234362	9.40E-08	8.38E-08	1.78E-07	1.59E-08	1.34E-08	2.94E-08	7.59E-08	6.15E-08	1.37E-07	1.24E-08	1.19E-08	2.43E-08	9.28E-09	6.09E-09	1.54E-08
2580	563035.7	4234359	9.24E-08	8.24E-08	1.75E-07	1.57E-08	1.32E-08	2.89E-08	7.46E-08	6.04E-08	1.35E-07	1.22E-08	1.17E-08	2.39E-08	9.12E-09	5.99E-09	1.51E-08
2581	563044.4	4234356	9.02E-08	8.05E-08	1.71E-07	1.53E-08	1.29E-08	2.82E-08	7.29E-08	5.91E-08	1.32E-07	1.19E-08	1.15E-08	2.34E-08	8.91E-09	5.85E-09	1.48E-08
2582	563053.2	4234353	8.76E-08	7.82E-08	1.66E-07	1.49E-08	1.25E-08	2.74E-08	7.08E-08	5.74E-08	1.28E-07	1.16E-08	1.11E-08	2.27E-08	8.66E-09	5.68E-09	1.43E-08
2583	563061.9	4234351	8.46E-08	7.55E-08	1.60E-07	1.44E-08	1.21E-08	2.65E-08	6.83E-08	5.54E-08	1.24E-07	1.12E-08	1.07E-08	2.19E-08	8.36E-09	5.48E-09	1.38E-08
2584	563070.6	4234348	8.13E-08	7.25E-08	1.54E-07	1.38E-08	1.16E-08	2.54E-08	6.56E-08	5.32E-08	1.19E-07	1.07E-08	1.03E-08	2.11E-08	8.03E-09	5.27E-09	1.33E-08
2585	563079.4	4234345	7.77E-08	6.93E-08	1.47E-07	1.32E-08	1.11E-08	2.43E-08	6.27E-08	5.08E-08	1.14E-07	1.03E-08	9.86E-09	2.01E-08	7.67E-09	5.03E-09	1.27E-08
2586	563088.1	4234342	7.39E-08	6.59E-08	1.40E-07	1.25E-08	1.06E-08	2.31E-08	5.97E-08	4.84E-08	1.08E-07	9.78E-09	9.38E-09	1.92E-08	7.30E-09	4.79E-09	1.21E-08
2587	563096.8	4234339	6.99E-08	6.24E-08	1.32E-07	1.19E-08	1.00E-08	2.19E-08	5.65E-08	4.58E-08	1.02E-07	9.25E-09	8.87E-09	1.81E-08	6.91E-09	4.53E-09	1.14E-08
2588	563105.5	4234337	6.57E-08	5.86E-08	1.24E-07	1.11E-08	9.39E-09	2.05E-08	5.30E-08	4.30E-08	9.60E-08	8.68E-09	8.33E-09	1.70E-08	6.48E-09	4.25E-09	1.07E-08
2589	562790.8	4234607	4.34E-08	3.87E-08	8.21E-08	7.36E-09	6.21E-09	1.36E-08	3.50E-08	2.84E-08	6.34E-08	5.74E-09	5.51E-09	1.12E-08	4.29E-09	2.81E-09	7.10E-09
2590	562790	4234617	4.37E-08	3.90E-08	8.26E-08	7.41E-09	6.25E-09	1.37E-08	3.53E-08	2.86E-08	6.39E-08	5.78E-09	5.54E-09	1.13E-08	4.31E-09	2.83E-09	7.14E-09
2591	562789.2	4234626	4.39E-08	3.91E-08	8.30E-08	7.44E-09	6.27E-09	1.37E-08	3.54E-08	2.87E-08	6.41E-08	5.80E-09	5.56E-09	1.14E-08	4.33E-09	2.84E-09	7.17E-09
2592	562788.4	4234635	4.39E-08	3.92E-08	8.31E-08	7.45E-09	6.28E-09	1.37E-08	3.54E-08	2.87E-08	6.42E-08	5.80E-09	5.57E-09	1.14E-08	4.34E-09	2.84E-09	7.18E-09
2593	562787.6	4234645	4.40E-08	3.92E-08	8.32E-08	7.46E-09	6.29E-09	1.38E-08	3.55E-08	2.88E-08	6.43E-08	5.82E-09	5.58E-09	1.14E-08	4.34E-09	2.85E-09	7.19E-09
2594	562786.8	4234654	4.40E-08	3.93E-08	8.33E-08	7.47E-09	6.29E-09	1.38E-08	3.55E-08	2.88E-08	6.43E-08	5.82E-09	5.58E-09	1.14E-08	4.35E-09	2.85E-09	7.20E-09
2595	562786	4234663	4.39E-08	3.92E-08	8.31E-08	7.46E-09	6.28E-09	1.37E-08	3.55E-08	2.88E-08	6.42E-08	5.81E-09	5.58E-09	1.14E-08	4.34E-09	2.85E-09	7.19E-09
2596	562785.2	4234672	4.36E-08	3.89E-08	8.24E-08	7.39E-09	6.23E-09	1.36E-08	3.52E-08	2.85E-08	6.37E-08	5.76E-09	5.53E-09	1.13E-08	4.30E-09	2.82E-09	7.13E-09
2597	562784.4	4234682	4.30E-08	3.83E-08	8.13E-08	7.29E-09	6.14E-09	1.34E-08	3.47E-08	2.81E-08	6.28E-08	5.68E-09	5.45E-09	1.11E-08	4.24E-09	2.78E-09	7.03E-09
2598	562783.6	4234691	4.22E-08	3.76E-08	7.98E-08	7.16E-09	6.03E-09	1.32E-08	3.41E-08	2.76E-08	6.17E-08	5.58E-09	5.35E-09	1.09E-08	4.17E-09	2.73E-09	6.90E-09
2599	562782.8	4234700	4.16E-08	3.71E-08	7.87E-08	7.06E-09	5.95E-09	1.30E-08	3.36E-08	2.72E-08	6.08E-08	5.50E-09	5.28E-09	1.08E-08	4.11E-09	2.70E-09	6.80E-09
2600	562782	4234710	4.12E-08	3.67E-08	7.79E-08	6.98E-09	5.89E-09	1.29E-08	3.32E-08	2.69E-08	6.02E-08	5.44E-09	5.22E-09	1.07E-08	4.07E-09	2.67E-09	6.73E-09
2601	562781.2	4234719	4.05E-08	3.62E-08	7.67E-08	6.88E-09	5.80E-09	1.27E-08	3.27E-08	2.65E-08	5.93E-08	5.36E-09	5.15E-09	1.05E-08	4.00E-09	2.63E-09	6.63E-09
2602	562755.2	4234596	3.85E-08	3.43E-08	7.28E-08	6.53E-09	5.50E-09	1.20E-08	3.11E-08	2.52E-08	5.62E-08	5.09E-09	4.88E-09	9.97E-09	3.80E-09	2.49E-09	6.29E-09
2603	562759.4	4234587	3.85E-08	3.43E-08	7.28E-08	6.53E-09	5.50E-09	1.20E-08	3.11E-08	2.52E-08	5.63E-08	5.09E-09	4.88E-09	9.97E-09	3.80E-09	2.49E-09	6.30E-09
2604	562763.7	4234579	3.84E-08	3.43E-08	7.27E-08	6.52E-09	5.50E-09	1.20E-08	3.10E-08	2.52E-08	5.62E-08	5.08E-09	4.88E-09	9.96E-09	3.80E-09	2.49E-09	6.29E-09
2605	562767.9	4234571	3.87E-08	3.46E-08	7.33E-08	6.57E-09	5.54E-09	1.21E-08	3.13E-08	2.54E-08	5.66E-08	5.12E-09	4.92E-09	1.00E-08	3.83E-09	2.51E-09	6.34E-09
2606	562772.2	4234563	3.90E-08	3.48E-08	7.37E-08	6.61E-09	5.57E-09	1.22E-08	3.15E-08	2.55E-08	5.69E-08	5.15E-09	4.94E-09	1.01E-08	3.85E-09	2.52E-09	6.37E-09
2607	562776.5	4234554	3.91E-08	3.49E-08	7.39E-08	6.63E-09	5.59E-09	1.22E-08	3.16E-08	2.56E-08	5.71E-08	5.17E-09	4.96E-09	1.01E-08	3.86E-09	2.53E-09	6.39E-09
2608	562780.7	4234546	3.91E-08	3.49E-08	7.40E-08	6.64E-09	5.59E-09	1.22E-08	3.16E-08	2.56E-08	5.72E-08	5.17E-09	4.96E-09	1.01E-08	3.86E-09	2.54E-09	6.40E-09
2609	562785	4234538	3.94E-08	3.52E-08	7.46E-08	6.69E-09	5.64E-09	1.23E-08	3.18E-08	2.58E-08	5.77E-08	5.22E-09	5.01E-09	1.02E-08	3.90E-09	2.56E-09	6.45E-09
2610	562789.2	4234530	3.96E-08	3.53E-08	7.50E-08	6.72E-09	5.67E-09	1.24E-08	3.20E-08	2.59E-08	5.79E-08	5.24E-09	5.03E-09	1.03E-08	3.91E-09	2.57E-09	6.48E-09
2611	562793.5	4234521	3.97E-08	3.54E-08	7.50E-08	6.73E-09	5.67E-09	1.24E-08	3.20E-08	2.59E-08	5.80E-08	5.24E-09	5.03E-09	1.03E-08	3.92E-09	2.57E-09	6.49E-09
2612	562797.8	4234513	3.96E-08	3.53E-08	7.49E-08	6.71E-09	5.66E-09	1.24E-08	3.20E-08	2.59E-08	5.79E-08	5.23E-09	5.02E-09	1.03E-08	3.91E-09	2.56E-09	6.47E-09
2613	562802	4234505	3.96E-08	3.53E-08	7.48E-08	6.71E-09	5.66E-09	1.24E-08	3.19E-08	2.59E-08	5.78E-08	5.23E-09	5.02E-09	1.02E-08	3.91E-09	2.56E-09	6.47E-09
2614	562806.3	4234497	3.96E-08	3.53E-08	7.50E-08	6.72E-09	5.67E-09	1.24E-08	3.20E-08	2.59E-08	5.79E-08	5.24E-09	5.03E-09	1.03E-08	3.91E-09	2.57E-09	6.48E-09
2615	562810.6	4234489	3.98E-08	3.55E-08	7.53E-08	6.75E-09	5.69E-09	1.24E-08	3.21E-08	2.60E-08	5.81E-08	5.26E-09	5.05E-09	1.03E-08	3.93E-09	2.58E-09	6.51E-09
2616	562814.8	4234480	4.01E-08	3.57E-08	7.58E-08	6.80E-09	5.73E-09	1.25E-08	3.23E-08	2.62E-08	5.86E-08	5.30E-09	5.08E-09	1.04E-08	3.96E-09	2.60E-09	6.55E-09
2617	562819.1	4234472	4.05E-08	3.61E-08	7.66E-08	6.87E-09	5.79E-09	1.27E-08	3.27E-08	2.65E-08	5.92E-08	5.35E-09	5.14E-09	1.05E-08	4.00E-09	2.62E-09	6.62E-09
2618	562823.3	4234464	4.10E-08	3.66E-08	7.76E-08	6.96E-09	5.87E-09	1.28E-08	3.31E-08	2.69E-08	6.00E-08	5.43E-09	5.21E-09	1.06E-08	4.05E-09	2.66E-09	6.71E-09
2619	562827.6	4234456	4.17E-08	3.72E-08	7.90E-08	7.08E-09	5.97E-09	1.31E-08	3.37E-08	2.73E-08	6.10E-08	5.52E-09	5.30E-09	1.08E-08	4.12E-09	2.71E-09	6.83E-09
2620	562831.9	4234447	4.26E-08	3.80E-08	8.06E-08	7.23E-09	6.09E-09	1.33E-08	3.44E-08	2.79E-08	6.23E-08	5.64E-09	5.41E-09	1.10E-08	4.21E-09	2.76E-09	6.97E-09
2621	562836.1	4234439	4.36E-08	3.89E-08	8.25E-08	7.40E-09	6.24E-09	1.36E-08	3.52E-08	2.85E-08	6.38E-08	5.77E-09	5.54E-09	1.13E-08	4.31E-09	2.83E-09	7.14E-09
2622	562840.4	4234431	4.48E-08	3.99E-08	8.47E-08	7.60E-09	6.40E-09	1.40E-08	3.61E-08	2.93E-08	6.54E-08	5.92E-09	5.68E-09	1.16E-08	4.42E-09	2.90E-09	7.32E-09
2623	562844.6	4234423	4.60E-08	4.11E-08	8.71E-08	7.81E-09	6.58E-09	1.44E-08	3.72E-08	3.01E-08	6.73E-08	6.09E-09	5.84E-09	1.19E-08	4.54E-09	2.98E-09	7.53E-09
2624	562848.9	4234414	4.74E-08	4.23E-08	8.96E-08	8.04E-09	6.77E-09	1.48E-08	3.82E-08	3.10E-08	6.92E-08	6.26E-09	6.01E-09	1.23E-08	4.68E-09	3.07E-09	7.75E-09
2625	562853.2	4234406	4.88E-08	4.35E-08	9.23E-08	8.28E-09	6.98E-09	1.53E-08	3.94E-08	3.19E-08	7.13E-08	6.45E-09	6.19E-09	1.26E-08	4.82E-09	3.16E-09	7.98E-09
2626	562857.4	4234398	5.02E-08	4.48E-08	9.51E-08	8.53E-09	7.19E-09	1.57E-08	4.06E-08	3.29E-08	7.34E-08	6.64E-09	6.38E-09	1.30E-08	4.96E-09	3.26E-09	8.22E-09
2627	562861.7	4234390	5.17E-08	4.61E-08	9.79E-08	8.78E-09	7.40E-09	1.62E-08	4.18E-08	3.38E-08	7.56E-08	6.84E-09	6.56E-09	1.34E-08	5.11E-09	3.35E-09	8.46E-09
2628	562865.9	4234381	5.32E-08	4.75E-08	1.01E-07	9.03E-09	7.61E-09	1.66E-08	4.30E-08	3.48E-08	7.78E-08	7.04E-09	6.75E-09	1.38E-08	5.26E-09	3.45E-09	8.70E-09
2629	562879	4234370	5.75E-08	5.13E-08	1.09E-07	9.76E-09	8.22E-09	1.80E-08	4.64E-08	3.76E-08	8.41E-08	7.61E-09	7.30E-09	1.49E-08	5.68E-09	3.73E-09	9.41E-09
2630	562887.9	4234368	6.04E-08	5.39E-08	1.14E-07	1.02E-08	8.64E-09	1.89E-08	4.88E-08	3.95E-08	8.83E-08	7.99E-09	7.66E-09	1.57E-08	5.97E-09	3.91E-09	9.88E-09
2631	562896.7	4234365	6.33E-08	5.65E-08	1.20E-07	1.07E-08	9.06E-09	1.98E-08	5.11E-08	4.14E-08	9.26E-08	8.38E-09	8.04E-09	1.64E-08	6.25E-09	4.10E-09	1.04E-08
2632	562905.5	4234362	6.63E-08	5.91E-08	1.25E-07	1.12E-08	9.48E-09	2.07E-08	5.35E-08	4.34E-08	9.69E-08	8.76E-09	8.41E-09	1.72E-08	6.54E-09	4.29E-09	1.08E-08
2633	562914.4	4234359	6.91E-08	6.17E-08	1.31E-07	1.17E-08	9.89E-09	2.16E-08	5.58E-08	4.53E-08	1.01E-07	9.14E-09	8.77E-09	1.79E-08	6.83E-09	4.48E-09	1.13E-08
2634	562923.2	4234356	7.19E-08	6.42E-08	1.36E-07	1.22E-08	1.03E-08	2.25E-08	5.81E-08	4.71E-08	1.05E-07	9.51E-09	9.13E-09	1.86E-08	7.10E-09	4.66E-09	1.18E-08
2635	562932	4234353	7.46E-08	6.65E-08	1.41E-07	1.27E-08	1.07E-08	2.33E-08	6.02E-08	4.88E-08	1.09E-07	9.87E-09	9.47E-09	1.93E-08	7.37E-09	4.83E-09	1.22E-08

2636	562940.9	4234351	7.71E-08	6.87E-08	1.46E-07	1.31E-08	1.10E-08	2.41E-08	6.22E-08	5.04E-08	1.13E-07	1.02E-08	9.78E-09	2.00E-08	7.61E-09	4.99E-09	1.26E-08
2637	562949.7	4234348	7.93E-08	7.07E-08	1.50E-07	1.35E-08	1.13E-08	2.48E-08	6.40E-08	5.19E-08	1.16E-07	1.05E-08	1.01E-08	2.05E-08	7.83E-09	5.14E-09	1.30E-08
2638	562985	4234336	8.46E-08	7.54E-08	1.60E-07	1.43E-08	1.21E-08	2.64E-08	6.83E-08	5.53E-08	1.24E-07	1.12E-08	1.07E-08	2.19E-08	8.35E-09	5.48E-09	1.38E-08
2639	562993.9	4234334	8.48E-08	7.56E-08	1.60E-07	1.44E-08	1.21E-08	2.65E-08	6.85E-08	5.55E-08	1.24E-07	1.12E-08	1.08E-08	2.20E-08	8.37E-09	5.50E-09	1.39E-08
2640	563002.7	4234331	8.45E-08	7.54E-08	1.60E-07	1.43E-08	1.21E-08	2.64E-08	6.83E-08	5.53E-08	1.24E-07	1.12E-08	1.07E-08	2.19E-08	8.35E-09	5.48E-09	1.38E-08
2641	563011.5	4234328	8.38E-08	7.47E-08	1.59E-07	1.42E-08	1.20E-08	2.62E-08	6.76E-08	5.48E-08	1.22E-07	1.11E-08	1.06E-08	2.17E-08	8.27E-09	5.43E-09	1.37E-08
2642	563020.4	4234325	8.25E-08	7.36E-08	1.56E-07	1.40E-08	1.18E-08	2.58E-08	6.67E-08	5.40E-08	1.21E-07	1.09E-08	1.05E-08	2.14E-08	8.15E-09	5.35E-09	1.35E-08
2643	563029.2	4234322	8.09E-08	7.21E-08	1.53E-07	1.37E-08	1.16E-08	2.53E-08	6.53E-08	5.29E-08	1.18E-07	1.07E-08	1.03E-08	2.10E-08	7.99E-09	5.24E-09	1.32E-08
2644	563038	4234319	7.88E-08	7.03E-08	1.49E-07	1.34E-08	1.13E-08	2.46E-08	6.36E-08	5.15E-08	1.15E-07	1.04E-08	1.00E-08	2.04E-08	7.78E-09	5.11E-09	1.29E-08
2645	563046.9	4234317	7.63E-08	6.81E-08	1.44E-07	1.30E-08	1.09E-08	2.39E-08	6.16E-08	4.99E-08	1.12E-07	1.01E-08	9.68E-09	1.98E-08	7.54E-09	4.95E-09	1.25E-08
2646	563055.7	4234314	7.36E-08	6.56E-08	1.39E-07	1.25E-08	1.05E-08	2.30E-08	5.94E-08	4.82E-08	1.08E-07	9.73E-09	9.34E-09	1.91E-08	7.27E-09	4.77E-09	1.20E-08
2647	563064.6	4234311	7.06E-08	6.30E-08	1.34E-07	1.20E-08	1.01E-08	2.21E-08	5.70E-08	4.62E-08	1.03E-07	9.34E-09	8.96E-09	1.83E-08	6.97E-09	4.58E-09	1.15E-08
2648	563073.4	4234308	6.75E-08	6.02E-08	1.28E-07	1.14E-08	9.65E-09	2.11E-08	5.45E-08	4.42E-08	9.86E-08	8.92E-09	8.56E-09	1.75E-08	6.66E-09	4.37E-09	1.10E-08
2649	563082.2	4234305	6.42E-08	5.73E-08	1.22E-07	1.09E-08	9.19E-09	2.01E-08	5.19E-08	4.20E-08	9.39E-08	8.50E-09	8.15E-09	1.66E-08	6.34E-09	4.16E-09	1.05E-08
2650	563091.1	4234302	6.10E-08	5.44E-08	1.15E-07	1.03E-08	8.72E-09	1.91E-08	4.92E-08	3.99E-08	8.92E-08	8.07E-09	7.74E-09	1.58E-08	6.02E-09	3.95E-09	9.98E-09
2651	563099.9	4234300	5.75E-08	5.13E-08	1.09E-07	9.75E-09	8.22E-09	1.80E-08	4.64E-08	3.76E-08	8.40E-08	7.60E-09	7.29E-09	1.49E-08	5.68E-09	3.73E-09	9.40E-09
2652	563108.7	4234297	5.40E-08	4.82E-08	1.02E-07	9.16E-09	7.72E-09	1.69E-08	4.36E-08	3.53E-08	7.89E-08	7.14E-09	6.85E-09	1.40E-08	5.33E-09	3.50E-09	8.83E-09
2653	562750.9	4234604	3.84E-08	3.42E-08	7.26E-08	6.51E-09	5.49E-09	1.20E-08	3.10E-08	2.51E-08	5.61E-08	5.08E-09	4.87E-09	9.95E-09	3.79E-09	2.49E-09	6.28E-09
2654	562750.1	4234613	3.88E-08	3.46E-08	7.34E-08	6.59E-09	5.55E-09	1.21E-08	3.13E-08	2.54E-08	5.67E-08	5.13E-09	4.93E-09	1.01E-08	3.83E-09	2.52E-09	6.35E-09
2655	562749.3	4234622	3.92E-08	3.50E-08	7.43E-08	6.66E-09	5.61E-09	1.23E-08	3.17E-08	2.57E-08	5.74E-08	5.19E-09	4.98E-09	1.02E-08	3.88E-09	2.54E-09	6.42E-09
2656	562748.5	4234632	3.96E-08	3.53E-08	7.49E-08	6.72E-09	5.66E-09	1.24E-08	3.20E-08	2.59E-08	5.79E-08	5.24E-09	5.02E-09	1.03E-08	3.91E-09	2.57E-09	6.48E-09
2657	562747.7	4234641	3.99E-08	3.56E-08	7.55E-08	6.77E-09	5.71E-09	1.25E-08	3.22E-08	2.61E-08	5.84E-08	5.28E-09	5.07E-09	1.03E-08	3.94E-09	2.59E-09	6.53E-09
2658	562746.9	4234650	4.01E-08	3.58E-08	7.59E-08	6.81E-09	5.74E-09	1.26E-08	3.24E-08	2.63E-08	5.87E-08	5.31E-09	5.09E-09	1.04E-08	3.96E-09	2.60E-09	6.57E-09
2659	562746.1	4234660	4.02E-08	3.58E-08	7.60E-08	6.82E-09	5.75E-09	1.26E-08	3.24E-08	2.63E-08	5.87E-08	5.31E-09	5.10E-09	1.04E-08	3.97E-09	2.60E-09	6.57E-09
2660	562745.3	4234669	3.99E-08	3.56E-08	7.54E-08	6.77E-09	5.70E-09	1.25E-08	3.22E-08	2.61E-08	5.83E-08	5.27E-09	5.06E-09	1.03E-08	3.94E-09	2.58E-09	6.52E-09
2661	562744.5	4234678	3.91E-08	3.49E-08	7.40E-08	6.64E-09	5.60E-09	1.22E-08	3.16E-08	2.56E-08	5.72E-08	5.17E-09	4.96E-09	1.01E-08	3.86E-09	2.54E-09	6.40E-09
2662	562743.7	4234688	3.83E-08	3.41E-08	7.24E-08	6.49E-09	5.47E-09	1.20E-08	3.09E-08	2.50E-08	5.59E-08	5.06E-09	4.85E-09	9.91E-09	3.78E-09	2.48E-09	6.26E-09
2663	562742.9	4234697	3.72E-08	3.32E-08	7.05E-08	6.32E-09	5.33E-09	1.16E-08	3.01E-08	2.44E-08	5.45E-08	4.93E-09	4.73E-09	9.65E-09	3.68E-09	2.41E-09	6.09E-09
2664	562742.1	4234706	3.61E-08	3.22E-08	6.84E-08	6.13E-09	5.17E-09	1.13E-08	2.92E-08	2.36E-08	5.28E-08	4.78E-09	4.58E-09	9.36E-09	3.57E-09	2.34E-09	5.91E-09
2665	562741.3	4234716	3.49E-08	3.12E-08	6.61E-08	5.93E-09	4.99E-09	1.09E-08	2.82E-08	2.29E-08	5.11E-08	4.62E-09	4.43E-09	9.05E-09	3.45E-09	2.26E-09	5.71E-09
2666	562715.2	4234592	3.50E-08	3.12E-08	6.63E-08	5.94E-09	5.01E-09	1.09E-08	2.83E-08	2.29E-08	5.12E-08	4.63E-09	4.44E-09	9.07E-09	3.46E-09	2.27E-09	5.73E-09
2667	562719.4	4234584	3.47E-08	3.09E-08	6.56E-08	5.88E-09	4.96E-09	1.08E-08	2.80E-08	2.27E-08	5.07E-08	4.59E-09	4.40E-09	8.99E-09	3.43E-09	2.25E-09	5.67E-09
2668	562723.5	4234576	3.44E-08	3.07E-08	6.51E-08	5.84E-09	4.92E-09	1.08E-08	2.78E-08	2.25E-08	5.03E-08	4.55E-09	4.37E-09	8.92E-09	3.40E-09	2.23E-09	5.63E-09
2669	562727.7	4234568	3.43E-08	3.06E-08	6.49E-08	5.82E-09	4.91E-09	1.07E-08	2.77E-08	2.24E-08	5.01E-08	4.54E-09	4.35E-09	8.89E-09	3.39E-09	2.22E-09	5.61E-09
2670	562731.9	4234560	3.42E-08	3.05E-08	6.46E-08	5.79E-09	4.88E-09	1.07E-08	2.76E-08	2.23E-08	4.99E-08	4.52E-09	4.33E-09	8.85E-09	3.37E-09	2.21E-09	5.59E-09
2671	562736	4234552	3.40E-08	3.03E-08	6.43E-08	5.76E-09	4.86E-09	1.06E-08	2.74E-08	2.22E-08	4.97E-08	4.49E-09	4.31E-09	8.80E-09	3.36E-09	2.20E-09	5.56E-09
2672	562740.2	4234544	3.39E-08	3.02E-08	6.41E-08	5.75E-09	4.85E-09	1.06E-08	2.74E-08	2.22E-08	4.96E-08	4.48E-09	4.30E-09	8.78E-09	3.35E-09	2.20E-09	5.54E-09
2673	562744.4	4234536	3.41E-08	3.05E-08	6.46E-08	5.79E-09	4.88E-09	1.07E-08	2.76E-08	2.23E-08	4.99E-08	4.51E-09	4.33E-09	8.85E-09	3.37E-09	2.21E-09	5.58E-09
2674	562748.5	4234528	3.44E-08	3.07E-08	6.51E-08	5.84E-09	4.92E-09	1.08E-08	2.78E-08	2.25E-08	5.03E-08	4.55E-09	4.36E-09	8.91E-09	3.40E-09	2.23E-09	5.63E-09
2675	562752.7	4234520	3.47E-08	3.09E-08	6.56E-08	5.88E-09	4.96E-09	1.08E-08	2.80E-08	2.27E-08	5.07E-08	4.58E-09	4.40E-09	8.98E-09	3.42E-09	2.25E-09	5.67E-09
2676	562756.9	4234512	3.47E-08	3.09E-08	6.56E-08	5.88E-09	4.96E-09	1.08E-08	2.80E-08	2.27E-08	5.07E-08	4.58E-09	4.40E-09	8.98E-09	3.42E-09	2.25E-09	5.67E-09
2677	562761	4234504	3.45E-08	3.07E-08	6.52E-08	5.85E-09	4.93E-09	1.08E-08	2.78E-08	2.25E-08	5.04E-08	4.56E-09	4.37E-09	8.93E-09	3.40E-09	2.23E-09	5.64E-09
2678	562765.2	4234496	3.43E-08	3.06E-08	6.49E-08	5.82E-09	4.90E-09	1.07E-08	2.77E-08	2.24E-08	5.01E-08	4.53E-09	4.35E-09	8.89E-09	3.39E-09	2.22E-09	5.61E-09
2679	562769.4	4234488	3.42E-08	3.05E-08	6.47E-08	5.80E-09	4.89E-09	1.07E-08	2.76E-08	2.24E-08	5.00E-08	4.52E-09	4.34E-09	8.85E-09	3.37E-09	2.21E-09	5.59E-09
2680	562773.6	4234480	3.41E-08	3.04E-08	6.46E-08	5.79E-09	4.88E-09	1.07E-08	2.75E-08	2.23E-08	4.99E-08	4.51E-09	4.33E-09	8.84E-09	3.37E-09	2.21E-09	5.58E-09
2681	562777.7	4234472	3.41E-08	3.05E-08	6.46E-08	5.79E-09	4.88E-09	1.07E-08	2.76E-08	2.23E-08	4.99E-08	4.52E-09	4.33E-09	8.85E-09	3.37E-09	2.21E-09	5.59E-09
2682	562781.9	4234463	3.43E-08	3.06E-08	6.48E-08	5.82E-09	4.90E-09	1.07E-08	2.77E-08	2.24E-08	5.01E-08	4.53E-09	4.35E-09	8.88E-09	3.38E-09	2.22E-09	5.61E-09
2683	562786.1	4234455	3.45E-08	3.08E-08	6.53E-08	5.86E-09	4.94E-09	1.08E-08	2.79E-08	2.26E-08	5.04E-08	4.56E-09	4.38E-09	8.94E-09	3.41E-09	2.24E-09	5.64E-09
2684	562790.2	4234447	3.49E-08	3.11E-08	6.60E-08	5.92E-09	4.99E-09	1.09E-08	2.81E-08	2.28E-08	5.10E-08	4.61E-09	4.42E-09	9.03E-09	3.44E-09	2.26E-09	5.70E-09
2685	562794.4	4234439	3.53E-08	3.15E-08	6.69E-08	6.00E-09	5.05E-09	1.11E-08	2.85E-08	2.31E-08	5.17E-08	4.67E-09	4.48E-09	9.16E-09	3.49E-09	2.29E-09	5.78E-09
2686	562798.6	4234431	3.59E-08	3.21E-08	6.80E-08	6.10E-09	5.14E-09	1.12E-08	2.90E-08	2.35E-08	5.25E-08	4.75E-09	4.56E-09	9.31E-09	3.55E-09	2.33E-09	5.88E-09
2687	562802.7	4234423	3.67E-08	3.27E-08	6.94E-08	6.22E-09	5.24E-09	1.15E-08	2.96E-08	2.40E-08	5.36E-08	4.85E-09	4.65E-09	9.50E-09	3.62E-09	2.38E-09	6.00E-09
2688	562806.9	4234415	3.75E-08	3.34E-08	7.09E-08	6.36E-09	5.36E-09	1.17E-08	3.03E-08	2.45E-08	5.48E-08	4.96E-09	4.76E-09	9.71E-09	3.70E-09	2.43E-09	6.13E-09
2689	562811.1	4234407	3.84E-08	3.43E-08	7.27E-08	6.52E-09	5.49E-09	1.20E-08	3.10E-08	2.51E-08	5.62E-08	5.08E-09	4.87E-09	9.96E-09	3.79E-09	2.49E-09	6.28E-09
2690	562815.2	4234399	3.94E-08	3.52E-08	7.46E-08	6.69E-09	5.64E-09	1.23E-08	3.18E-08	2.58E-08	5.76E-08	5.22E-09	5.00E-09	1.02E-08	3.89E-09	2.56E-09	6.45E-09
2691	562819.4	4234391	4.05E-08	3.62E-08	7.67E-08	6.88E-09	5.80E-09	1.27E-08	3.27E-08	2.65E-08	5.93E-08	5.36E-09	5.14E-09	1.05E-08	4.00E-09	2.63E-09	6.63E-09
2692	562823.6	4234383	4.17E-08	3.72E-08	7.89E-08	7.07E-09	5.96E-09	1.30E-08	3.37E-08	2.73E-08	6.09E-08	5.51E-09	5.29E-09	1.08E-08	4.12E-09	2.70E-09	6.82E-09
2693	562827.7	4234375	4.29E-08	3.83E-08	8.11E-08	7.28E-09	6.13E-09	1.34E-08	3.46E-08	2.81E-08	6.27E-08	5.67E-09	5.44E-09	1.11E-08	4.24E-09	2.78E-09	7.01E-09
2694	562831.9	4234367	4.41E-08	3.94E-08	8.35E-08	7.48E-09	6.31E-09	1.38E-08	3.56E-08	2.89E-08	6.45E-08	5.83E-09	5.60E-09	1.14E-08	4.36E-09	2.86E-09	7.22E-09
2695	562836.1	4234359	4.54E-08	4.05E-08	8.58E-08	7.70E-09	6.49E-09	1.42E-08	3.66E-08	2.97E-08	6.63E-08	6.00E-09	5.75E-09	1.18E-08	4.48E-09	2.94E-09	7.42E-09
2696	562840.2	4234351	4.66E-08	4.16E-08	8.82E-08	7.91E-09	6.66E-09	1.46E-08	3.76E-08	3.05E-08	6.81E-08	6.16E-09	5.91E-09	1.21E-08	4.60E-09	3.02E-09	7.62E-09
2697	562853	4234340	5.01E-08	4.47E-08	9.49E-08	8.51E-09	7.17E-09	1.57E-08	4.05E-08	3.28E-08	7.33E-08	6.63E-09	6.36E-09	1.30E-08	4.95E-09	3.25E-09	8.20E-09
2698	562861.7	4234337	5.25E-08	4.68E-08	9.94E-08	8.91E-09	7.51E-09	1.64E-08	4.24E-08	3.44E-08	7.68E-08	6.94E-09	6.66E-09	1.36E-08	5.19E-09	3.40E-09	8.59E-09
2699	562878.9	4234332	5.74E-08	5.12E-08	1.09E-07	9.73E-09	8.20E-09	1.79E-08	4.63E-08	3.75E-08	8.39E-08	7.59E-09	7.28E-09	1.49E-08	5.67E-09	3.72E-09	9.38E-09
2700	562896.2	4234326	6.22E-08	5.55E-08	1.18E-07	1.05E-08	8.89E-09	1.94E-08	5.02E-08	4.07E-08	9.09E-08	8.22E-09	7.89E-09	1.61E-08	6.14E-09	4.03E-09	1.02E-08
2701	562904.9	4234323	6.45E-08	5.75E-08	1.22E-07	1.09E-08	9.22E-09	2.02E-08	5.21E-08	4.22E-08	9.43E-08	8.53E-09	8.18E-09	1.67E-08	6.37E-09	4.18E-09	1.05E-08
2702	562913.5	4234320	6.67E-08	5.95E-08	1.26E-07	1.13E-08	9.54E-09	2.09E-08	5.39E-08	4.36E-08	9.75E-08	8.82E-09	8.46E-09	1.73E-08	6.59E-09	4.32E-09	1.09E-08
2703	562922.1	4234318	6.88E-08	6.13E-08	1.30E-07	1.17E-08	9.83E-09	2.15E-08	5.55E-08	4.50E-08	1.01E-07	9.09E-09	8.73E-09	1.78E-08	6.79E-09	4.46E-09	1.12E-08
2704	562939.4	4234312	7.23E-08	6.45E-08	1.37E-07	1.23E-08	1.03E-08	2.26E-08	5.84E-08	4.73E-08	1.06E-07	9.56E-09	9.17E-09	1.87E-08	7.14E-09	4.69E-09	1.18E-08
2705	562956.7	4234307	7.48E-08	6.67E-08	1.41E-07	1.27E-08	1.07E-08	2.34E-08	6.04E-08	4.89E-08	1.09E-07	9.89E-09	9.49E-09	1.94E-08	7.39E-09	4.85E-09	1.22E-08
2706	562991.2	4234296	7.57E-08	6.75E-08	1.43E-07	1.28E-08	1.08E-08	2.37E-08	6.11E-08	4.95E-08	1.11E-07	1.00E-08	9.60E-09	1.96E-08	7.47E-09	4.90E-09	1.24E-08
2707	563008.5	4234290	7.39E-08	6.59E-08	1.40E-07	1.25E-08	1.06E-08	2.31E-08	5.96E-08	4.83E-08	1.08E-07	9.77E-09	9.37E-09	1.91E-08	7.29E-09	4.79E-09	1.21E-08
2708	563017.2	4234287	7.24E-08	6.46E-08	1.37E-07	1.23E-08	1.04E-08	2.26E-08	5.85E-08	4.74E-08	1.06E-07	9.58E-09	9.19E-09	1.88E-08	7.15E-09	4.69E-09	1.18E-08
2709	563025.8	4234285	7.07E-08	6.31E-08	1.34E-07	1.20E-08	1.01E-08	2.21E-08	5.71E-08	4.63E-08	1.03E-07	9.35E-09	8.97E-09	1.83E-08	6.98E-09	4.58E-09	1.16E-08
2710	563043.1	4234279	6.64E-08	5.93E-08	1.26E-07	1.13E-08	9.50E-09	2.08E-08	5.36E-08	4.35E-08	9.71E-08	8.78E-09	8.43E-09	1.72E-08	6.56E-09	4.30E-09	1.09E-08
2711	563060.4	4234273	6.14E-08	5.48E-08	1.16E-07	1.04E-08	8.78E-09	1.92E-08	4.96E-08	4.02E-08	8.98E-08	8.12E-09	7.79E-09	1.59E-08	6.06E-09	3.98E-09	1.00E-08
2712	563069	4234271	5.87E-08	5.24E-08	1.11E-07	9.96E-09	8.39E-09	1.84E-08	4.74E-08	3.84E-08	8.58E-08	7.76E-09	7.45E-09	1.52E-08	5.80E-09	3.80E-09	9.60E-09
2713	563086.3	4234265	5.30E-08	4.73E-08	1.00E-07	8.99E-09	7.58E-09	1.66E-08	4.28E-08	3.47E-08	7.75E-08	7.01E-09	6.72E-09	1.37E-08	5.23E-09	3.43E-09	8.67E-09
2714	563094.9	4234262	5.01E-08	4.47E-08	9.48E-08	8.51E-09	7.17E-09	1.57E-08	4.05E-08	3.28E-08	7.33E-08	6.63E-09	6.36E-09	1.30E-08	4.95E-09	3.25E-09	8.20E-09
2715	563103.6	4234260	4.73E-08	4.22E-08	8.96E-08	8.03E-09	6.77E-09	1.48E-08	3.82E-08	3.10E-08	6.92E-08	6.26E-09	6.01E-09	1.23E-08	4.68E-09	3.07E-09	7.74E-09
2716	562711	4234600	3.54E-08	3.16E-08	6.70E-08	6.01E-09	5.07E-09	1.11E-08	2.86E-08	2.32E-08	5.18E-08	4.69E-09	4.50E-09	9.18E-09	3.50E-09	2.30E-09	5.80E-09
2717	562710.3	4234610	3.60E-08	3.21E-08	6.80E-08	6.10E-09	5.14E-09	1.12E-08	2.90E-08	2.35E-08	5.26E-08	4.76E-09	4.56E-09	9.32E-09	3.55E-09	2.33E-09	5.88E-09
2718	562709.5	4234619	3.62E-08	3.23E-08	6.85E-08	6.14E-09	5.17E-09	1.13E-08	2.92E-08	2.37E-08	5.29E-08	4.79E-09	4.59E-09	9.38E-09	3.57E-09	2.35E-09	5.92E-09
2719	562708.7	4234628	3.62E-08	3.23E-08	6.86E-08	6.15E-09	5.18E-09	1.13E-08	2.93E-08	2.37E-08	5.30E-08	4.79E-09	4.60E-09	9.39E-09	3.58E-09	2.35E-09	5.93E-09
2720	562707.9	4234638	3.61E-08	3.22E-08	6.84E-08	6.13E-09	5.17E-09	1.13E-08	2.92E-08	2.37E-08	5.28E-08	4.78E-09	4.59E-09	9.37E-09	3.57E-09	2.34E-09	5.91E-09
2721	562707.1	4234647	3.58E-08	3.20E-08	6.78E-08	6.08E-09	5.12E-09	1.12E-08	2.89E-08	2.35E-08	5.24E-08	4.74E-09	4.55E-09	9.29E-09	3.54E-09	2.32E-09	5.86E-09
2722	562706.3	4234656	3.54E-08	3.16E-08	6.70E-08	6.01E-09	5.06E-09	1.11E-08	2.86E-08	2.32E-08	5.17E-08	4.68E-09	4.49E-09	9.17E-09	3.50E-09	2.29E-09	5.79E-09
2723	562705.5	4234666	3.48E-08	3.11E-08	6.59E-08	5.91E-09	4.98E-09	1.09E-08	2.81E-08	2.28E-08	5.09E-08	4.61E-09	4.42E-09	9.03E-09	3.44E-09	2.26E-09	5.70E-09
2724	562704.7	4234675	3.42E-08	3.05E-08	6.46E-08	5.80E-09	4.88E-09	1.07E-08	2.76E-08	2.23E-08	4.99E-08	4.52E-09	4.33E-09	8.85E-09	3.37E-09	2.21E-09	5.59E-09
2725	562703.9	4234684	3.34E-08	2.98E-08	6.31E-08	5.66E-09	4.77E-09	1.04E-08	2.69E-08	2.18E-08	4.88E-08	4.41E-09	4.23E-09	8.65E-09	3.30E-09	2.16E-09	5.46E-09
2726	562703.1	4234694	3.25E-08	2.90E-08	6.15E-08	5.51E-09	4.65E-09	1.02E-08	2.62E-08	2.13E-08	4.75E-08	4.30E-09	4.12E-09	8.42E-09	3.21E-09	2.11E-09	5.31E-09

2727	562702.3	4234703	3.15E-08	2.81E-08	5.96E-08	5.35E-09	4.51E-09	9.85E-09	2.54E-08	2.06E-08	4.61E-08	4.17E-09	4.00E-09	8.17E-09	3.11E-09	2.04E-09	5.15E-09
2728	562701.5	4234712	3.05E-08	2.72E-08	5.77E-08	5.17E-09	4.36E-09	9.53E-09	2.46E-08	1.99E-08	4.46E-08	4.03E-09	3.87E-09	7.90E-09	3.01E-09	1.98E-09	4.99E-09
2729	562675.4	4234589	3.12E-08	2.78E-08	5.90E-08	5.29E-09	4.46E-09	9.75E-09	2.52E-08	2.04E-08	4.56E-08	4.12E-09	3.96E-09	8.08E-09	3.08E-09	2.02E-09	5.10E-09
2730	562679.6	4234581	3.12E-08	2.78E-08	5.91E-08	5.30E-09	4.46E-09	9.76E-09	2.52E-08	2.04E-08	4.56E-08	4.13E-09	3.96E-09	8.09E-09	3.08E-09	2.02E-09	5.11E-09
2731	562683.8	4234573	3.11E-08	2.78E-08	5.89E-08	5.28E-09	4.45E-09	9.74E-09	2.51E-08	2.04E-08	4.55E-08	4.12E-09	3.95E-09	8.07E-09	3.08E-09	2.02E-09	5.09E-09
2732	562688	4234564	3.10E-08	2.77E-08	5.87E-08	5.27E-09	4.44E-09	9.71E-09	2.51E-08	2.03E-08	4.54E-08	4.11E-09	3.94E-09	8.04E-09	3.07E-09	2.01E-09	5.08E-09
2733	562692.2	4234556	3.09E-08	2.76E-08	5.85E-08	5.24E-09	4.42E-09	9.66E-09	2.49E-08	2.02E-08	4.52E-08	4.09E-09	3.92E-09	8.01E-09	3.05E-09	2.00E-09	5.05E-09
2734	562696.5	4234548	3.07E-08	2.74E-08	5.81E-08	5.21E-09	4.39E-09	9.60E-09	2.48E-08	2.01E-08	4.49E-08	4.06E-09	3.90E-09	7.96E-09	3.03E-09	1.99E-09	5.02E-09
2735	562700.7	4234540	3.05E-08	2.72E-08	5.77E-08	5.18E-09	4.36E-09	9.54E-09	2.46E-08	2.00E-08	4.46E-08	4.03E-09	3.87E-09	7.90E-09	3.01E-09	1.98E-09	4.99E-09
2736	562704.9	4234532	3.03E-08	2.70E-08	5.73E-08	5.14E-09	4.33E-09	9.47E-09	2.45E-08	1.98E-08	4.43E-08	4.01E-09	3.84E-09	7.85E-09	2.99E-09	1.96E-09	4.96E-09
2737	562709.1	4234524	3.02E-08	2.69E-08	5.72E-08	5.13E-09	4.32E-09	9.45E-09	2.44E-08	1.98E-08	4.42E-08	3.99E-09	3.83E-09	7.83E-09	2.98E-09	1.96E-09	4.94E-09
2738	562713.3	4234516	3.02E-08	2.70E-08	5.72E-08	5.13E-09	4.32E-09	9.45E-09	2.44E-08	1.98E-08	4.42E-08	4.00E-09	3.83E-09	7.83E-09	2.98E-09	1.96E-09	4.94E-09
2739	562717.5	4234507	3.02E-08	2.69E-08	5.71E-08	5.12E-09	4.31E-09	9.43E-09	2.43E-08	1.97E-08	4.41E-08	3.99E-09	3.83E-09	7.81E-09	2.98E-09	1.95E-09	4.93E-09
2740	562721.7	4234499	3.01E-08	2.68E-08	5.69E-08	5.11E-09	4.30E-09	9.41E-09	2.43E-08	1.97E-08	4.40E-08	3.98E-09	3.82E-09	7.80E-09	2.97E-09	1.95E-09	4.92E-09
2741	562725.9	4234491	3.00E-08	2.68E-08	5.68E-08	5.10E-09	4.30E-09	9.39E-09	2.43E-08	1.97E-08	4.39E-08	3.97E-09	3.81E-09	7.79E-09	2.97E-09	1.95E-09	4.91E-09
2742	562730.1	4234483	3.00E-08	2.68E-08	5.68E-08	5.09E-09	4.29E-09	9.39E-09	2.42E-08	1.96E-08	4.39E-08	3.97E-09	3.81E-09	7.78E-09	2.96E-09	1.95E-09	4.91E-09
2743	562734.4	4234475	3.00E-08	2.68E-08	5.67E-08	5.09E-09	4.29E-09	9.38E-09	2.42E-08	1.96E-08	4.38E-08	3.97E-09	3.80E-09	7.77E-09	2.96E-09	1.94E-09	4.90E-09
2744	562738.6	4234467	2.98E-08	2.66E-08	5.64E-08	5.06E-09	4.27E-09	9.33E-09	2.41E-08	1.95E-08	4.36E-08	3.94E-09	3.79E-09	7.73E-09	2.95E-09	1.93E-09	4.88E-09
2745	562742.8	4234459	2.97E-08	2.65E-08	5.63E-08	5.05E-09	4.25E-09	9.30E-09	2.40E-08	1.95E-08	4.35E-08	3.93E-09	3.77E-09	7.71E-09	2.94E-09	1.93E-09	4.86E-09
2746	562747	4234450	2.97E-08	2.65E-08	5.62E-08	5.04E-09	4.25E-09	9.29E-09	2.40E-08	1.94E-08	4.34E-08	3.93E-09	3.77E-09	7.70E-09	2.94E-09	1.93E-09	4.86E-09
2747	562751.2	4234442	2.98E-08	2.66E-08	5.64E-08	5.06E-09	4.26E-09	9.32E-09	2.41E-08	1.95E-08	4.36E-08	3.94E-09	3.78E-09	7.72E-09	2.94E-09	1.93E-09	4.87E-09
2748	562755.4	4234434	3.00E-08	2.67E-08	5.67E-08	5.08E-09	4.29E-09	9.37E-09	2.42E-08	1.96E-08	4.38E-08	3.96E-09	3.80E-09	7.77E-09	2.96E-09	1.94E-09	4.90E-09
2749	562759.6	4234426	3.02E-08	2.70E-08	5.72E-08	5.13E-09	4.32E-09	9.46E-09	2.44E-08	1.98E-08	4.42E-08	4.00E-09	3.84E-09	7.84E-09	2.99E-09	1.96E-09	4.95E-09
2750	562763.8	4234418	3.06E-08	2.73E-08	5.79E-08	5.20E-09	4.38E-09	9.58E-09	2.47E-08	2.00E-08	4.48E-08	4.05E-09	3.89E-09	7.94E-09	3.02E-09	1.98E-09	5.01E-09
2751	562768	4234410	3.11E-08	2.78E-08	5.89E-08	5.28E-09	4.45E-09	9.73E-09	2.51E-08	2.04E-08	4.55E-08	4.11E-09	3.95E-09	8.06E-09	3.07E-09	2.02E-09	5.09E-09
2752	562772.2	4234402	3.17E-08	2.83E-08	6.00E-08	5.38E-09	4.53E-09	9.91E-09	2.56E-08	2.07E-08	4.63E-08	4.19E-09	4.02E-09	8.21E-09	3.13E-09	2.05E-09	5.18E-09
2753	562776.5	4234393	3.24E-08	2.89E-08	6.13E-08	5.49E-09	4.63E-09	1.01E-08	2.61E-08	2.12E-08	4.73E-08	4.28E-09	4.11E-09	8.39E-09	3.20E-09	2.10E-09	5.30E-09
2754	562780.7	4234385	3.32E-08	2.96E-08	6.27E-08	5.63E-09	4.74E-09	1.04E-08	2.68E-08	2.17E-08	4.85E-08	4.38E-09	4.21E-09	8.59E-09	3.27E-09	2.15E-09	5.42E-09
2755	562784.9	4234377	3.40E-08	3.03E-08	6.43E-08	5.77E-09	4.86E-09	1.06E-08	2.75E-08	2.22E-08	4.97E-08	4.50E-09	4.31E-09	8.81E-09	3.36E-09	2.20E-09	5.56E-09
2756	562789.1	4234369	3.49E-08	3.11E-08	6.61E-08	5.92E-09	4.99E-09	1.09E-08	2.82E-08	2.28E-08	5.10E-08	4.62E-09	4.43E-09	9.05E-09	3.45E-09	2.26E-09	5.71E-09
2757	562793.3	4234361	3.59E-08	3.20E-08	6.79E-08	6.09E-09	5.13E-09	1.12E-08	2.90E-08	2.35E-08	5.25E-08	4.75E-09	4.55E-09	9.30E-09	3.54E-09	2.33E-09	5.87E-09
2758	562797.5	4234353	3.69E-08	3.29E-08	6.98E-08	6.26E-09	5.28E-09	1.15E-08	2.98E-08	2.41E-08	5.39E-08	4.88E-09	4.68E-09	9.56E-09	3.64E-09	2.39E-09	6.03E-09
2759	562801.7	4234345	3.79E-08	3.38E-08	7.18E-08	6.44E-09	5.43E-09	1.19E-08	3.06E-08	2.48E-08	5.55E-08	5.02E-09	4.81E-09	9.83E-09	3.75E-09	2.46E-09	6.21E-09
2760	562805.9	4234336	3.90E-08	3.48E-08	7.38E-08	6.62E-09	5.58E-09	1.22E-08	3.15E-08	2.55E-08	5.70E-08	5.16E-09	4.95E-09	1.01E-08	3.85E-09	2.53E-09	6.38E-09
2761	562810.1	4234328	4.01E-08	3.58E-08	7.58E-08	6.80E-09	5.73E-09	1.25E-08	3.24E-08	2.62E-08	5.86E-08	5.30E-09	5.09E-09	1.04E-08	3.96E-09	2.60E-09	6.56E-09
2762	562814.4	4234320	4.12E-08	3.67E-08	7.79E-08	6.98E-09	5.89E-09	1.29E-08	3.32E-08	2.69E-08	6.02E-08	5.44E-09	5.22E-09	1.07E-08	4.06E-09	2.67E-09	6.73E-09
2763	562827.3	4234309	4.42E-08	3.94E-08	8.36E-08	7.50E-09	6.32E-09	1.38E-08	3.57E-08	2.89E-08	6.46E-08	5.84E-09	5.61E-09	1.15E-08	4.36E-09	2.86E-09	7.23E-09
2764	562836	4234306	4.62E-08	4.12E-08	8.75E-08	7.84E-09	6.61E-09	1.45E-08	3.73E-08	3.02E-08	6.76E-08	6.11E-09	5.86E-09	1.20E-08	4.56E-09	3.00E-09	7.56E-09
2765	562844.8	4234304	4.83E-08	4.31E-08	9.14E-08	8.19E-09	6.91E-09	1.51E-08	3.90E-08	3.16E-08	7.06E-08	6.39E-09	6.13E-09	1.25E-08	4.77E-09	3.13E-09	7.90E-09
2766	562853.5	4234301	5.04E-08	4.50E-08	9.53E-08	8.55E-09	7.21E-09	1.58E-08	4.07E-08	3.30E-08	7.37E-08	6.66E-09	6.39E-09	1.31E-08	4.98E-09	3.27E-09	8.24E-09
2767	562862.2	4234298	5.25E-08	4.68E-08	9.93E-08	8.91E-09	7.51E-09	1.64E-08	4.24E-08	3.44E-08	7.67E-08	6.94E-09	6.66E-09	1.36E-08	5.18E-09	3.40E-09	8.59E-09
2768	562870.9	4234295	5.46E-08	4.87E-08	1.03E-07	9.26E-09	7.81E-09	1.71E-08	4.41E-08	3.57E-08	7.98E-08	7.22E-09	6.93E-09	1.41E-08	5.39E-09	3.54E-09	8.93E-09
2769	562879.7	4234293	5.66E-08	5.05E-08	1.07E-07	9.61E-09	8.10E-09	1.77E-08	4.57E-08	3.71E-08	8.28E-08	7.49E-09	7.19E-09	1.47E-08	5.59E-09	3.67E-09	9.26E-09
2770	562888.4	4234290	5.86E-08	5.23E-08	1.11E-07	9.95E-09	8.38E-09	1.83E-08	4.73E-08	3.84E-08	8.57E-08	7.75E-09	7.44E-09	1.52E-08	5.79E-09	3.80E-09	9.59E-09
2771	562897.1	4234287	6.05E-08	5.40E-08	1.15E-07	1.03E-08	8.66E-09	1.89E-08	4.89E-08	3.96E-08	8.85E-08	8.00E-09	7.68E-09	1.57E-08	5.98E-09	3.92E-09	9.90E-09
2772	562905.9	4234284	6.23E-08	5.56E-08	1.18E-07	1.06E-08	8.91E-09	1.95E-08	5.03E-08	4.08E-08	9.11E-08	8.24E-09	7.90E-09	1.61E-08	6.15E-09	4.04E-09	1.02E-08
2773	562914.6	4234281	6.39E-08	5.70E-08	1.21E-07	1.08E-08	9.14E-09	2.00E-08	5.16E-08	4.18E-08	9.34E-08	8.45E-09	8.11E-09	1.66E-08	6.31E-09	4.14E-09	1.05E-08
2774	562923.3	4234279	6.53E-08	5.83E-08	1.24E-07	1.11E-08	9.34E-09	2.04E-08	5.28E-08	4.28E-08	9.55E-08	8.64E-09	8.29E-09	1.69E-08	6.45E-09	4.23E-09	1.07E-08
2775	562932.1	4234276	6.65E-08	5.94E-08	1.26E-07	1.13E-08	9.52E-09	2.08E-08	5.37E-08	4.35E-08	9.73E-08	8.80E-09	8.44E-09	1.72E-08	6.57E-09	4.31E-09	1.09E-08
2776	562940.8	4234273	6.75E-08	6.02E-08	1.28E-07	1.15E-08	9.65E-09	2.11E-08	5.45E-08	4.42E-08	9.87E-08	8.93E-09	8.56E-09	1.75E-08	6.67E-09	4.37E-09	1.10E-08
2777	562949.5	4234270	6.82E-08	6.08E-08	1.29E-07	1.16E-08	9.75E-09	2.13E-08	5.50E-08	4.46E-08	9.97E-08	9.02E-09	8.65E-09	1.77E-08	6.73E-09	4.42E-09	1.12E-08
2778	562958.2	4234267	6.86E-08	6.12E-08	1.30E-07	1.16E-08	9.81E-09	2.14E-08	5.54E-08	4.49E-08	1.00E-07	9.07E-09	8.70E-09	1.78E-08	6.77E-09	4.44E-09	1.12E-08
2779	562967	4234265	6.87E-08	6.12E-08	1.30E-07	1.16E-08	9.82E-09	2.15E-08	5.54E-08	4.49E-08	1.00E-07	9.08E-09	8.71E-09	1.78E-08	6.78E-09	4.45E-09	1.12E-08
2780	562993.2	4234256	6.70E-08	5.98E-08	1.27E-07	1.14E-08	9.58E-09	2.10E-08	5.41E-08	4.39E-08	9.80E-08	8.86E-09	8.50E-09	1.74E-08	6.62E-09	4.34E-09	1.10E-08
2781	563001.9	4234253	6.59E-08	5.88E-08	1.25E-07	1.12E-08	9.42E-09	2.06E-08	5.32E-08	4.31E-08	9.63E-08	8.71E-09	8.36E-09	1.71E-08	6.50E-09	4.27E-09	1.08E-08
2782	563010.6	4234251	6.44E-08	5.75E-08	1.22E-07	1.09E-08	9.22E-09	2.01E-08	5.20E-08	4.22E-08	9.42E-08	8.52E-09	8.18E-09	1.67E-08	6.36E-09	4.18E-09	1.05E-08
2783	563019.4	4234248	6.28E-08	5.60E-08	1.19E-07	1.07E-08	8.98E-09	1.96E-08	5.07E-08	4.11E-08	9.18E-08	8.30E-09	7.97E-09	1.63E-08	6.20E-09	4.07E-09	1.03E-08
2784	563028.1	4234245	6.09E-08	5.43E-08	1.15E-07	1.03E-08	8.71E-09	1.90E-08	4.92E-08	3.99E-08	8.90E-08	8.05E-09	7.73E-09	1.58E-08	6.01E-09	3.95E-09	9.96E-09
2785	563036.8	4234242	5.89E-08	5.25E-08	1.11E-07	9.99E-09	8.42E-09	1.84E-08	4.75E-08	3.85E-08	8.60E-08	7.78E-09	7.47E-09	1.53E-08	5.81E-09	3.81E-09	9.63E-09
2786	563045.5	4234239	5.67E-08	5.06E-08	1.07E-07	9.62E-09	8.10E-09	1.77E-08	4.58E-08	3.71E-08	8.28E-08	7.49E-09	7.19E-09	1.47E-08	5.60E-09	3.67E-09	9.27E-09
2787	563054.3	4234237	5.44E-08	4.85E-08	1.03E-07	9.23E-09	7.78E-09	1.70E-08	4.39E-08	3.56E-08	7.95E-08	7.19E-09	6.90E-09	1.41E-08	5.37E-09	3.53E-09	8.90E-09
2788	563063	4234234	5.21E-08	4.64E-08	9.85E-08	8.83E-09	7.44E-09	1.63E-08	4.20E-08	3.41E-08	7.61E-08	6.88E-09	6.61E-09	1.35E-08	5.14E-09	3.37E-09	8.51E-09
2789	563071.7	4234231	4.94E-08	4.41E-08	9.35E-08	8.38E-09	7.07E-09	1.55E-08	3.99E-08	3.23E-08	7.22E-08	6.53E-09	6.27E-09	1.28E-08	4.88E-09	3.20E-09	8.08E-09
2790	563080.5	4234228	4.68E-08	4.17E-08	8.85E-08	7.94E-09	6.69E-09	1.46E-08	3.78E-08	3.06E-08	6.84E-08	6.19E-09	5.94E-09	1.21E-08	4.62E-09	3.03E-09	7.65E-09
2791	563089.2	4234225	4.43E-08	3.95E-08	8.37E-08	7.51E-09	6.33E-09	1.38E-08	3.57E-08	2.90E-08	6.47E-08	5.85E-09	5.62E-09	1.15E-08	4.37E-09	2.87E-09	7.24E-09
2792	563097.9	4234223	4.19E-08	3.74E-08	7.94E-08	7.12E-09	6.00E-09	1.31E-08	3.39E-08	2.74E-08	6.13E-08	5.55E-09	5.32E-09	1.09E-08	4.14E-09	2.72E-09	6.86E-09
2793	563106.7	4234220	3.99E-08	3.56E-08	7.54E-08	6.76E-09	5.70E-09	1.25E-08	3.22E-08	2.61E-08	5.83E-08	5.27E-09	5.06E-09	1.03E-08	3.94E-09	2.58E-09	6.52E-09
2794	563115.4	4234217	3.79E-08	3.38E-08	7.17E-08	6.43E-09	5.42E-09	1.18E-08	3.06E-08	2.48E-08	5.54E-08	5.01E-09	4.81E-09	9.82E-09	3.74E-09	2.46E-09	6.20E-09
2795	562671.2	4234597	3.10E-08	2.77E-08	5.87E-08	5.27E-09	4.44E-09	9.70E-09	2.51E-08	2.03E-08	4.54E-08	4.10E-09	3.94E-09	8.04E-09	3.06E-09	2.01E-09	5.08E-09
2796	562670.4	4234606	3.11E-08	2.78E-08	5.89E-08	5.28E-09	4.45E-09	9.73E-09	2.51E-08	2.04E-08	4.55E-08	4.12E-09	3.95E-09	8.06E-09	3.07E-09	2.02E-09	5.09E-09
2797	562669.6	4234616	3.11E-08	2.78E-08	5.89E-08	5.28E-09	4.45E-09	9.73E-09	2.51E-08	2.04E-08	4.55E-08	4.11E-09	3.95E-09	8.06E-09	3.07E-09	2.02E-09	5.09E-09
2798	562668.8	4234625	3.10E-08	2.77E-08	5.87E-08	5.26E-09	4.43E-09	9.69E-09	2.50E-08	2.03E-08	4.53E-08	4.10E-09	3.93E-09	8.03E-09	3.06E-09	2.01E-09	5.07E-09
2799	562668	4234634	3.08E-08	2.75E-08	5.82E-08	5.22E-09	4.40E-09	9.63E-09	2.49E-08	2.01E-08	4.50E-08	4.07E-09	3.91E-09	7.98E-09	3.04E-09	2.00E-09	5.04E-09
2800	562667.2	4234644	3.05E-08	2.72E-08	5.76E-08	5.17E-09	4.36E-09	9.53E-09	2.46E-08	1.99E-08	4.45E-08	4.03E-09	3.87E-09	7.89E-09	3.01E-09	1.97E-09	4.98E-09
2801	562666.4	4234653	3.00E-08	2.68E-08	5.68E-08	5.10E-09	4.30E-09	9.39E-09	2.43E-08	1.97E-08	4.39E-08	3.97E-09	3.81E-09	7.78E-09	2.97E-09	1.95E-09	4.91E-09
2802	562665.6	4234662	2.95E-08	2.63E-08	5.59E-08	5.01E-09	4.22E-09	9.23E-09	2.38E-08	1.93E-08	4.32E-08	3.90E-09	3.75E-09	7.65E-09	2.92E-09	1.91E-09	4.83E-09
2803	562664.8	4234672	2.91E-08	2.59E-08	5.50E-08	4.93E-09	4.16E-09	9.09E-09	2.35E-08	1.90E-08	4.25E-08	3.85E-09	3.69E-09	7.54E-09	2.87E-09	1.88E-09	4.76E-09
2804	562664	4234681	2.87E-08	2.56E-08	5.42E-08	4.86E-09	4.10E-09	8.96E-09	2.31E-08	1.88E-08	4.19E-08	3.79E-09	3.64E-09	7.43E-09	2.83E-09	1.86E-09	4.69E-09
2805	562663.2	4234690	2.81E-08	2.51E-08	5.32E-08	4.78E-09	4.02E-09	8.80E-09	2.27E-08	1.84E-08	4.11E-08	3.72E-09	3.57E-09	7.29E-09	2.78E-09	1.82E-09	4.60E-09
2806	562662.4	4234700	2.74E-08	2.45E-08	5.19E-08	4.66E-09	3.92E-09	8.58E-09	2.22E-08	1.80E-08	4.01E-08	3.63E-09	3.48E-09	7.11E-09	2.71E-09	1.78E-09	4.49E-09
2807	562661.6	4234709	2.65E-08	2.37E-08	5.02E-08	4.50E-09	3.79E-09	8.29E-09	2.14E-08	1.74E-08	3.88E-08	3.51E-09	3.37E-09	6.87E-09	2.62E-09	1.72E-09	4.34E-09
2808	562635.6	4234585	2.87E-08	2.56E-08	5.42E-08	4.86E-09	4.10E-09	8.97E-09	2.32E-08	1.88E-08	4.19E-08	3.79E-09	3.64E-09	7.43E-09	2.83E-09	1.86E-09	4.69E-09
2809	562639.8	4234577	2.86E-08	2.55E-08	5.40E-08	4.85E-09	4.08E-09	8.93E-09	2.31E-08	1.87E-08	4.17E-08	3.78E-09	3.62E-09	7.40E-09	2.82E-09	1.85E-09	4.67E-09
2810	562644.1	4234569	2.84E-08	2.53E-08	5.37E-08	4.82E-09	4.06E-09	8.88E-09	2.29E-08	1.86E-08	4.15E-08	3.75E-09	3.60E-09	7.36E-09	2.80E-09	1.84E-09	4.64E-09
2811	562648.3	4234561	2.83E-08	2.53E-08	5.36E-08	4.81E-09	4.05E-09	8.86E-09	2.29E-08	1.85E-08	4.14E-08	3.75E-09	3.59E-09	7.34E-09	2.80E-09	1.84E-09	4.63E-09
2812	562652.6	4234553	2.82E-08	2.52E-08	5.34E-08	4.79E-09	4.04E-09	8.82E-09	2.28E-08	1.85E-08	4.12E-08	3.73E-09	3.58E-09	7.31E-09	2.79E-09	1.83E-09	4.62E-09
2813	562656.8	4234544	2.81E-08	2.50E-08	5.31E-08	4.76E-09	4.01E-09	8.77E-09	2.27E-08	1.84E-08	4.10E-08	3.71E-09	3.56E-09	7.27E-09	2.77E-09	1.82E-09	4.59E-09
2814	562661.1	4234536	2.79E-08	2.49E-08	5.27E-08	4.73E-09	3.98E-09	8.71E-09	2.25E-08	1.82E-08	4.07E-08	3.68E-09	3.54E-09	7.22E-09	2.75E-09	1.81E-09	4.56E-09
2815	562665.3	4234528	2.76E-08	2.47E-08	5.23E-08	4.69E-09	3.95E-09	8.64E-09	2.23E-08	1.81E-08	4.04E-08	3.65E-09	3.51E-09	7.16E-09	2.73E-09	1.79E-09	4.52E-09
2816	562669.6	4234520	2.74E-08	2.44E-08	5.18E-08	4.65E-09	3.92E-09	8.56E-09	2.21E-08	1.79E-08	4.00E-08	3.62E-09	3.47E-09	7.10E-09	2.70E-09	1.77E-09	4.48E-09
2817	562673.8	4234511	2.71E-08	2.42E-08	5.13E-08	4.60E-09	3.88E-09	8.48E-09	2.19E-08	1.77E-08	3.96E-08	3.59E-09	3.44E-09	7.03E-09	2.68E-09	1.76E-09	4.43E-09

2818	562678.1	4234503	2.68E-08	2.39E-08	5.08E-08	4.55E-09	3.84E-09	8.39E-09	2.17E-08	1.76E-08	3.92E-08	3.55E-09	3.40E-09	6.95E-09	2.65E-09	1.74E-09	4.39E-09
2819	562682.3	4234495	2.65E-08	2.37E-08	5.02E-08	4.50E-09	3.80E-09	8.30E-09	2.14E-08	1.74E-08	3.88E-08	3.51E-09	3.37E-09	6.88E-09	2.62E-09	1.72E-09	4.34E-09
2820	562686.6	4234487	2.62E-08	2.34E-08	4.97E-08	4.45E-09	3.75E-09	8.21E-09	2.12E-08	1.72E-08	3.84E-08	3.47E-09	3.33E-09	6.80E-09	2.59E-09	1.70E-09	4.29E-09
2821	562690.8	4234479	2.60E-08	2.32E-08	4.91E-08	4.40E-09	3.71E-09	8.12E-09	2.10E-08	1.70E-08	3.79E-08	3.43E-09	3.29E-09	6.73E-09	2.56E-09	1.68E-09	4.25E-09
2822	562695.1	4234470	2.57E-08	2.29E-08	4.86E-08	4.36E-09	3.67E-09	8.03E-09	2.07E-08	1.68E-08	3.76E-08	3.40E-09	3.26E-09	6.66E-09	2.54E-09	1.66E-09	4.20E-09
2823	562699.3	4234462	2.54E-08	2.27E-08	4.81E-08	4.32E-09	3.64E-09	7.96E-09	2.05E-08	1.67E-08	3.72E-08	3.37E-09	3.23E-09	6.59E-09	2.51E-09	1.65E-09	4.16E-09
2824	562703.5	4234454	2.52E-08	2.25E-08	4.78E-08	4.28E-09	3.61E-09	7.89E-09	2.04E-08	1.65E-08	3.69E-08	3.34E-09	3.20E-09	6.54E-09	2.49E-09	1.64E-09	4.13E-09
2825	562707.8	4234446	2.52E-08	2.25E-08	4.78E-08	4.28E-09	3.61E-09	7.89E-09	2.04E-08	1.65E-08	3.69E-08	3.34E-09	3.20E-09	6.54E-09	2.49E-09	1.64E-09	4.13E-09
2826	562712	4234438	2.53E-08	2.26E-08	4.79E-08	4.29E-09	3.62E-09	7.91E-09	2.04E-08	1.66E-08	3.70E-08	3.35E-09	3.21E-09	6.56E-09	2.50E-09	1.64E-09	4.14E-09
2827	562716.3	4234429	2.54E-08	2.27E-08	4.81E-08	4.32E-09	3.64E-09	7.95E-09	2.05E-08	1.66E-08	3.72E-08	3.36E-09	3.23E-09	6.59E-09	2.51E-09	1.65E-09	4.16E-09
2828	562720.5	4234421	2.56E-08	2.29E-08	4.85E-08	4.35E-09	3.67E-09	8.02E-09	2.07E-08	1.68E-08	3.75E-08	3.39E-09	3.25E-09	6.65E-09	2.53E-09	1.66E-09	4.20E-09
2829	562724.8	4234413	2.59E-08	2.31E-08	4.91E-08	4.40E-09	3.71E-09	8.11E-09	2.10E-08	1.70E-08	3.79E-08	3.43E-09	3.29E-09	6.72E-09	2.56E-09	1.68E-09	4.24E-09
2830	562729	4234405	2.63E-08	2.35E-08	4.98E-08	4.47E-09	3.77E-09	8.23E-09	2.13E-08	1.72E-08	3.85E-08	3.48E-09	3.34E-09	6.82E-09	2.60E-09	1.71E-09	4.31E-09
2831	562733.3	4234397	2.68E-08	2.39E-08	5.07E-08	4.55E-09	3.83E-09	8.38E-09	2.16E-08	1.75E-08	3.92E-08	3.54E-09	3.40E-09	6.95E-09	2.65E-09	1.74E-09	4.38E-09
2832	562737.5	4234388	2.72E-08	2.43E-08	5.15E-08	4.62E-09	3.89E-09	8.51E-09	2.20E-08	1.78E-08	3.98E-08	3.60E-09	3.45E-09	7.05E-09	2.69E-09	1.76E-09	4.45E-09
2833	562741.8	4234380	2.77E-08	2.47E-08	5.24E-08	4.70E-09	3.96E-09	8.66E-09	2.24E-08	1.81E-08	4.05E-08	3.66E-09	3.52E-09	7.18E-09	2.74E-09	1.80E-09	4.53E-09
2834	562746	4234372	2.83E-08	2.52E-08	5.35E-08	4.80E-09	4.04E-09	8.84E-09	2.28E-08	1.85E-08	4.13E-08	3.74E-09	3.59E-09	7.33E-09	2.79E-09	1.83E-09	4.62E-09
2835	562750.3	4234364	2.89E-08	2.58E-08	5.47E-08	4.91E-09	4.14E-09	9.04E-09	2.33E-08	1.89E-08	4.23E-08	3.82E-09	3.67E-09	7.49E-09	2.86E-09	1.87E-09	4.73E-09
2836	562754.5	4234355	2.96E-08	2.64E-08	5.60E-08	5.03E-09	4.24E-09	9.26E-09	2.39E-08	1.94E-08	4.33E-08	3.92E-09	3.76E-09	7.68E-09	2.93E-09	1.92E-09	4.85E-09
2837	562758.8	4234347	3.04E-08	2.71E-08	5.75E-08	5.16E-09	4.35E-09	9.50E-09	2.45E-08	1.99E-08	4.44E-08	4.02E-09	3.86E-09	7.87E-09	3.00E-09	1.97E-09	4.97E-09
2838	562763	4234339	3.12E-08	2.78E-08	5.90E-08	5.29E-09	4.46E-09	9.76E-09	2.52E-08	2.04E-08	4.56E-08	4.13E-09	3.96E-09	8.09E-09	3.08E-09	2.02E-09	5.10E-09
2839	562767.3	4234331	3.21E-08	2.86E-08	6.07E-08	5.44E-09	4.59E-09	1.00E-08	2.59E-08	2.10E-08	4.69E-08	4.24E-09	4.07E-09	8.31E-09	3.17E-09	2.08E-09	5.24E-09
2840	562771.5	4234323	3.29E-08	2.94E-08	6.23E-08	5.59E-09	4.71E-09	1.03E-08	2.66E-08	2.16E-08	4.82E-08	4.36E-09	4.18E-09	8.54E-09	3.25E-09	2.14E-09	5.39E-09
2841	562775.8	4234314	3.39E-08	3.02E-08	6.41E-08	5.74E-09	4.84E-09	1.06E-08	2.73E-08	2.22E-08	4.95E-08	4.48E-09	4.30E-09	8.77E-09	3.34E-09	2.19E-09	5.54E-09
2842	562780	4234306	3.48E-08	3.10E-08	6.58E-08	5.90E-09	4.97E-09	1.09E-08	2.81E-08	2.28E-08	5.08E-08	4.60E-09	4.41E-09	9.01E-09	3.44E-09	2.25E-09	5.69E-09
2843	562784.3	4234298	3.57E-08	3.19E-08	6.76E-08	6.06E-09	5.11E-09	1.12E-08	2.88E-08	2.34E-08	5.22E-08	4.72E-09	4.53E-09	9.26E-09	3.53E-09	2.31E-09	5.84E-09
2844	562788.5	4234290	3.66E-08	3.27E-08	6.93E-08	6.22E-09	5.24E-09	1.15E-08	2.96E-08	2.40E-08	5.36E-08	4.85E-09	4.65E-09	9.50E-09	3.62E-09	2.38E-09	5.99E-09
2845	562801.6	4234279	3.93E-08	3.50E-08	7.43E-08	6.66E-09	5.62E-09	1.23E-08	3.17E-08	2.57E-08	5.74E-08	5.19E-09	4.98E-09	1.02E-08	3.88E-09	2.55E-09	6.42E-09
2846	562810.4	4234276	4.10E-08	3.66E-08	7.76E-08	6.96E-09	5.87E-09	1.28E-08	3.31E-08	2.68E-08	6.00E-08	5.42E-09	5.20E-09	1.06E-08	4.05E-09	2.66E-09	6.71E-09
2847	562819.2	4234273	4.28E-08	3.82E-08	8.10E-08	7.26E-09	6.12E-09	1.34E-08	3.46E-08	2.80E-08	6.26E-08	5.66E-09	5.43E-09	1.11E-08	4.23E-09	2.77E-09	7.00E-09
2848	562828	4234270	4.46E-08	3.98E-08	8.44E-08	7.57E-09	6.38E-09	1.39E-08	3.60E-08	2.92E-08	6.52E-08	5.90E-09	5.66E-09	1.16E-08	4.41E-09	2.89E-09	7.30E-09
2849	562836.8	4234267	4.64E-08	4.14E-08	8.79E-08	7.88E-09	6.64E-09	1.45E-08	3.75E-08	3.04E-08	6.79E-08	6.14E-09	5.89E-09	1.20E-08	4.59E-09	3.01E-09	7.60E-09
2850	562845.6	4234265	4.83E-08	4.31E-08	9.13E-08	8.19E-09	6.90E-09	1.51E-08	3.90E-08	3.16E-08	7.06E-08	6.38E-09	6.13E-09	1.25E-08	4.77E-09	3.13E-09	7.90E-09
2851	562854.4	4234262	5.01E-08	4.47E-08	9.48E-08	8.50E-09	7.16E-09	1.57E-08	4.04E-08	3.28E-08	7.32E-08	6.62E-09	6.36E-09	1.30E-08	4.95E-09	3.25E-09	8.19E-09
2852	562863.2	4234259	5.19E-08	4.63E-08	9.81E-08	8.80E-09	7.42E-09	1.62E-08	4.19E-08	3.39E-08	7.58E-08	6.86E-09	6.58E-09	1.34E-08	5.12E-09	3.36E-09	8.48E-09
2853	562872	4234256	5.36E-08	4.78E-08	1.01E-07	9.09E-09	7.66E-09	1.68E-08	4.33E-08	3.51E-08	7.83E-08	7.09E-09	6.80E-09	1.39E-08	5.29E-09	3.47E-09	8.77E-09
2854	562880.8	4234253	5.52E-08	4.93E-08	1.04E-07	9.37E-09	7.90E-09	1.73E-08	4.46E-08	3.61E-08	8.07E-08	7.30E-09	7.01E-09	1.43E-08	5.45E-09	3.58E-09	9.03E-09
2855	562889.6	4234251	5.68E-08	5.06E-08	1.07E-07	9.63E-09	8.12E-09	1.77E-08	4.58E-08	3.71E-08	8.30E-08	7.51E-09	7.20E-09	1.47E-08	5.61E-09	3.68E-09	9.28E-09
2856	562898.4	4234248	5.82E-08	5.19E-08	1.10E-07	9.87E-09	8.32E-09	1.82E-08	4.70E-08	3.81E-08	8.50E-08	7.69E-09	7.38E-09	1.51E-08	5.74E-09	3.77E-09	9.51E-09
2857	562907.2	4234245	5.94E-08	5.30E-08	1.12E-07	1.01E-08	8.49E-09	1.86E-08	4.80E-08	3.89E-08	8.68E-08	7.85E-09	7.54E-09	1.54E-08	5.87E-09	3.85E-09	9.72E-09
2858	562916	4234242	6.04E-08	5.39E-08	1.14E-07	1.03E-08	8.64E-09	1.89E-08	4.88E-08	3.96E-08	8.84E-08	7.99E-09	7.67E-09	1.57E-08	5.97E-09	3.92E-09	9.89E-09
2859	562924.8	4234239	6.13E-08	5.47E-08	1.16E-07	1.04E-08	8.77E-09	1.92E-08	4.95E-08	4.01E-08	8.96E-08	8.11E-09	7.78E-09	1.59E-08	6.05E-09	3.97E-09	1.00E-08
2860	562933.7	4234236	6.19E-08	5.52E-08	1.17E-07	1.05E-08	8.85E-09	1.94E-08	5.00E-08	4.05E-08	9.05E-08	8.19E-09	7.86E-09	1.60E-08	6.11E-09	4.01E-09	1.01E-08
2861	562942.5	4234234	6.23E-08	5.56E-08	1.18E-07	1.06E-08	8.91E-09	1.95E-08	5.03E-08	4.08E-08	9.10E-08	8.24E-09	7.90E-09	1.61E-08	6.15E-09	4.04E-09	1.02E-08
2862	562951.3	4234231	6.24E-08	5.57E-08	1.18E-07	1.06E-08	8.92E-09	1.95E-08	5.04E-08	4.08E-08	9.12E-08	8.25E-09	7.92E-09	1.62E-08	6.16E-09	4.04E-09	1.02E-08
2863	562960.1	4234228	6.23E-08	5.55E-08	1.18E-07	1.06E-08	8.90E-09	1.95E-08	5.03E-08	4.07E-08	9.10E-08	8.23E-09	7.90E-09	1.61E-08	6.15E-09	4.03E-09	1.02E-08
2864	562968.9	4234225	6.18E-08	5.52E-08	1.17E-07	1.05E-08	8.84E-09	1.93E-08	4.99E-08	4.05E-08	9.04E-08	8.18E-09	7.85E-09	1.60E-08	6.11E-09	4.01E-09	1.01E-08
2865	563004.1	4234214	5.77E-08	5.15E-08	1.09E-07	9.79E-09	8.25E-09	1.80E-08	4.66E-08	3.78E-08	8.43E-08	7.63E-09	7.32E-09	1.49E-08	5.70E-09	3.74E-09	9.44E-09
2866	563012.9	4234211	5.61E-08	5.01E-08	1.06E-07	9.52E-09	8.03E-09	1.75E-08	4.53E-08	3.67E-08	8.20E-08	7.42E-09	7.12E-09	1.45E-08	5.54E-09	3.64E-09	9.18E-09
2867	563021.7	4234208	5.44E-08	4.85E-08	1.03E-07	9.23E-09	7.78E-09	1.70E-08	4.39E-08	3.56E-08	7.95E-08	7.19E-09	6.90E-09	1.41E-08	5.37E-09	3.53E-09	8.90E-09
2868	563030.5	4234205	5.25E-08	4.69E-08	9.94E-08	8.92E-09	7.51E-09	1.64E-08	4.24E-08	3.44E-08	7.68E-08	6.95E-09	6.67E-09	1.36E-08	5.19E-09	3.41E-09	8.59E-09
2869	563039.3	4234203	5.05E-08	4.51E-08	9.56E-08	8.57E-09	7.22E-09	1.58E-08	4.08E-08	3.30E-08	7.38E-08	6.68E-09	6.41E-09	1.31E-08	4.99E-09	3.27E-09	8.26E-09
2870	563048.1	4234200	4.83E-08	4.31E-08	9.14E-08	8.20E-09	6.91E-09	1.51E-08	3.90E-08	3.16E-08	7.06E-08	6.39E-09	6.13E-09	1.25E-08	4.77E-09	3.13E-09	7.90E-09
2871	563056.9	4234197	4.61E-08	4.11E-08	8.71E-08	7.81E-09	6.59E-09	1.44E-08	3.72E-08	3.01E-08	6.73E-08	6.09E-09	5.84E-09	1.19E-08	4.55E-09	2.98E-09	7.53E-09
2872	563065.8	4234194	4.38E-08	3.91E-08	8.29E-08	7.43E-09	6.26E-09	1.37E-08	3.54E-08	2.87E-08	6.40E-08	5.79E-09	5.56E-09	1.13E-08	4.33E-09	2.84E-09	7.16E-09
2873	563074.6	4234191	4.17E-08	3.72E-08	7.88E-08	7.07E-09	5.96E-09	1.30E-08	3.36E-08	2.73E-08	6.09E-08	5.51E-09	5.29E-09	1.08E-08	4.12E-09	2.70E-09	6.82E-09
2874	563083.4	4234188	3.97E-08	3.54E-08	7.50E-08	6.73E-09	5.67E-09	1.24E-08	3.20E-08	2.59E-08	5.80E-08	5.24E-09	5.03E-09	1.03E-08	3.92E-09	2.57E-09	6.49E-09
2875	563092.2	4234186	3.77E-08	3.37E-08	7.14E-08	6.40E-09	5.40E-09	1.18E-08	3.05E-08	2.47E-08	5.52E-08	4.99E-09	4.79E-09	9.78E-09	3.73E-09	2.45E-09	6.17E-09
2876	563101	4234183	3.59E-08	3.21E-08	6.80E-08	6.10E-09	5.14E-09	1.12E-08	2.90E-08	2.35E-08	5.25E-08	4.75E-09	4.56E-09	9.31E-09	3.55E-09	2.33E-09	5.88E-09
2877	563109.8	4234180	3.42E-08	3.05E-08	6.47E-08	5.81E-09	4.89E-09	1.07E-08	2.76E-08	2.24E-08	5.00E-08	4.52E-09	4.34E-09	8.87E-09	3.38E-09	2.22E-09	5.60E-09
2878	563118.6	4234177	3.26E-08	2.91E-08	6.17E-08	5.53E-09	4.66E-09	1.02E-08	2.63E-08	2.13E-08	4.77E-08	4.31E-09	4.14E-09	8.45E-09	3.22E-09	2.11E-09	5.33E-09
2879	562631.3	4234594	2.87E-08	2.56E-08	5.43E-08	4.87E-09	4.11E-09	8.98E-09	2.32E-08	1.88E-08	4.20E-08	3.80E-09	3.64E-09	7.44E-09	2.84E-09	1.86E-09	4.70E-09
2880	562630.5	4234603	2.88E-08	2.57E-08	5.44E-08	4.88E-09	4.11E-09	9.00E-09	2.32E-08	1.88E-08	4.21E-08	3.80E-09	3.65E-09	7.46E-09	2.84E-09	1.86E-09	4.71E-09
2881	562629.7	4234612	2.87E-08	2.56E-08	5.44E-08	4.88E-09	4.11E-09	8.98E-09	2.32E-08	1.88E-08	4.20E-08	3.80E-09	3.65E-09	7.45E-09	2.84E-09	1.86E-09	4.70E-09
2882	562628.9	4234622	2.86E-08	2.55E-08	5.41E-08	4.85E-09	4.09E-09	8.94E-09	2.31E-08	1.87E-08	4.18E-08	3.78E-09	3.63E-09	7.41E-09	2.82E-09	1.85E-09	4.68E-09
2883	562628.2	4234631	2.84E-08	2.53E-08	5.37E-08	4.82E-09	4.06E-09	8.87E-09	2.29E-08	1.86E-08	4.15E-08	3.75E-09	3.60E-09	7.35E-09	2.80E-09	1.84E-09	4.64E-09
2884	562627.4	4234640	2.81E-08	2.50E-08	5.31E-08	4.76E-09	4.01E-09	8.78E-09	2.27E-08	1.84E-08	4.10E-08	3.71E-09	3.56E-09	7.27E-09	2.77E-09	1.82E-09	4.59E-09
2885	562626.6	4234650	2.77E-08	2.47E-08	5.24E-08	4.70E-09	3.96E-09	8.65E-09	2.23E-08	1.81E-08	4.05E-08	3.66E-09	3.51E-09	7.17E-09	2.73E-09	1.79E-09	4.53E-09
2886	562625.8	4234659	2.72E-08	2.43E-08	5.14E-08	4.61E-09	3.89E-09	8.50E-09	2.20E-08	1.78E-08	3.97E-08	3.60E-09	3.45E-09	7.05E-09	2.69E-09	1.76E-09	4.45E-09
2887	562625	4234668	2.66E-08	2.38E-08	5.04E-08	4.52E-09	3.81E-09	8.33E-09	2.15E-08	1.74E-08	3.90E-08	3.52E-09	3.38E-09	6.90E-09	2.63E-09	1.73E-09	4.36E-09
2888	562624.2	4234677	2.60E-08	2.32E-08	4.92E-08	4.42E-09	3.72E-09	8.14E-09	2.10E-08	1.70E-08	3.81E-08	3.44E-09	3.30E-09	6.75E-09	2.57E-09	1.69E-09	4.26E-09
2889	562623.4	4234687	2.54E-08	2.26E-08	4.80E-08	4.30E-09	3.63E-09	7.93E-09	2.05E-08	1.66E-08	3.71E-08	3.35E-09	3.22E-09	6.57E-09	2.50E-09	1.64E-09	4.15E-09
2890	562622.6	4234696	2.46E-08	2.20E-08	4.66E-08	4.18E-09	3.52E-09	7.71E-09	1.99E-08	1.61E-08	3.60E-08	3.26E-09	3.13E-09	6.39E-09	2.43E-09	1.60E-09	4.03E-09
2891	562621.8	4234705	2.39E-08	2.13E-08	4.52E-08	4.05E-09	3.42E-09	7.47E-09	1.93E-08	1.56E-08	3.49E-08	3.16E-09	3.03E-09	6.19E-09	2.36E-09	1.55E-09	3.91E-09
2892	562595.8	4234582	2.71E-08	2.41E-08	5.12E-08	4.59E-09	3.87E-09	8.46E-09	2.19E-08	1.77E-08	3.96E-08	3.58E-09	3.43E-09	7.01E-09	2.67E-09	1.75E-09	4.43E-09
2893	562600	4234574	2.72E-08	2.43E-08	5.14E-08	4.61E-09	3.89E-09	8.50E-09	2.20E-08	1.78E-08	3.97E-08	3.60E-09	3.45E-09	7.04E-09	2.68E-09	1.76E-09	4.45E-09
2894	562604.3	4234565	2.72E-08	2.43E-08	5.15E-08	4.62E-09	3.90E-09	8.52E-09	2.20E-08	1.78E-08	3.98E-08	3.60E-09	3.46E-09	7.06E-09	2.69E-09	1.77E-09	4.46E-09
2895	562608.6	4234557	2.72E-08	2.43E-08	5.15E-08	4.62E-09	3.89E-09	8.51E-09	2.20E-08	1.78E-08	3.98E-08	3.60E-09	3.46E-09	7.06E-09	2.69E-09	1.76E-09	4.45E-09
2896	562612.9	4234549	2.72E-08	2.42E-08	5.14E-08	4.61E-09	3.88E-09	8.49E-09	2.19E-08	1.78E-08	3.97E-08	3.59E-09	3.45E-09	7.04E-09	2.68E-09	1.76E-09	4.44E-09
2897	562617.2	4234541	2.69E-08	2.40E-08	5.09E-08	4.56E-09	3.85E-09	8.41E-09	2.17E-08	1.76E-08	3.93E-08	3.56E-09	3.41E-09	6.97E-09	2.66E-09	1.74E-09	4.40E-09
2898	562621.4	4234532	2.66E-08	2.37E-08	5.02E-08	4.51E-09	3.80E-09	8.30E-09	2.14E-08	1.74E-08	3.88E-08	3.51E-09	3.37E-09	6.88E-09	2.62E-09	1.72E-09	4.34E-09
2899	562625.7	4234524	2.62E-08	2.34E-08	4.95E-08	4.44E-09	3.74E-09	8.19E-09	2.11E-08	1.71E-08	3.83E-08	3.46E-09	3.32E-09	6.78E-09	2.59E-09	1.70E-09	4.28E-09
2900	562630	4234516	2.58E-08	2.30E-08	4.88E-08	4.37E-09	3.69E-09	8.06E-09	2.08E-08	1.69E-08	3.77E-08	3.41E-09	3.27E-09	6.68E-09	2.54E-09	1.67E-09	4.21E-09
2901	562634.3	4234507	2.53E-08	2.26E-08	4.80E-08	4.30E-09	3.62E-09	7.92E-09	2.05E-08	1.66E-08	3.70E-08	3.35E-09	3.22E-09	6.57E-09	2.50E-09	1.64E-09	4.15E-09
2902	562638.6	4234499	2.49E-08	2.22E-08	4.71E-08	4.22E-09	3.56E-09	7.79E-09	2.01E-08	1.63E-08	3.64E-08	3.29E-09	3.16E-09	6.45E-09	2.46E-09	1.61E-09	4.07E-09
2903	562642.8	4234491	2.44E-08	2.18E-08	4.63E-08	4.15E-09	3.50E-09	7.64E-09	1.97E-08	1.60E-08	3.57E-08	3.23E-09	3.10E-09	6.34E-09	2.41E-09	1.58E-09	4.00E-09
2904	562647.1	4234483	2.41E-08	2.15E-08	4.56E-08	4.09E-09	3.45E-09	7.54E-09	1.95E-08	1.58E-08	3.53E-08	3.19E-09	3.06E-09	6.25E-09	2.38E-09	1.56E-09	3.94E-09
2905	562651.4	4234474	2.38E-08	2.12E-08	4.51E-08	4.04E-09	3.41E-09	7.45E-09	1.92E-08	1.56E-08	3.48E-08	3.15E-09	3.02E-09	6.17E-09	2.35E-09	1.54E-09	3.89E-09
2906	562655.7	4234466	2.35E-08	2.10E-08	4.45E-08	3.99E-09	3.36E-09	7.35E-09	1.90E-08	1.54E-08	3.44E-08	3.11E-09	2.98E-09	6.09E-09	2.32E-09	1.52E-09	3.84E-09
2907	562660	4234458	2.32E-08	2.07E-08	4.39E-08	3.94E-09	3.32E-09	7.26E-09	1.87E-08	1.52E-08	3.39E-08	3.07E-09	2.95E-09	6.02E-09	2.29E-09	1.50E-09	3.80E-09
2908	562664.2	4234450	2.29E-08	2.05E-08	4.34E-08	3.89E-09	3.28E-09	7.17E-09	1.85E-08	1.50E-08	3.35E-08	3.03E-09	2.91E-09	5.94E-09	2.27E-09	1.49E-09	3.75E-09

2909	562668.5	4234441	2.27E-08	2.02E-08	4.29E-08	3.85E-09	3.25E-09	7.10E-09	1.83E-08	1.48E-08	3.32E-08	3.00E-09	2.88E-09	5.88E-09	2.24E-09	1.47E-09	3.71E-09
2910	562672.8	4234433	2.25E-08	2.01E-08	4.25E-08	3.81E-09	3.22E-09	7.03E-09	1.82E-08	1.47E-08	3.29E-08	2.97E-09	2.85E-09	5.83E-09	2.22E-09	1.46E-09	3.68E-09
2911	562677.1	4234425	2.23E-08	1.99E-08	4.22E-08	3.79E-09	3.19E-09	6.98E-09	1.80E-08	1.46E-08	3.26E-08	2.95E-09	2.83E-09	5.78E-09	2.20E-09	1.45E-09	3.65E-09
2912	562681.3	4234416	2.22E-08	1.98E-08	4.20E-08	3.77E-09	3.18E-09	6.95E-09	1.79E-08	1.45E-08	3.25E-08	2.94E-09	2.82E-09	5.76E-09	2.19E-09	1.44E-09	3.63E-09
2913	562685.6	4234408	2.22E-08	1.98E-08	4.19E-08	3.76E-09	3.17E-09	6.93E-09	1.79E-08	1.45E-08	3.24E-08	2.93E-09	2.81E-09	5.74E-09	2.19E-09	1.44E-09	3.63E-09
2914	562689.9	4234400	2.22E-08	1.98E-08	4.20E-08	3.77E-09	3.17E-09	6.94E-09	1.79E-08	1.45E-08	3.24E-08	2.94E-09	2.82E-09	5.75E-09	2.19E-09	1.44E-09	3.63E-09
2915	562694.2	4234392	2.24E-08	2.00E-08	4.24E-08	3.80E-09	3.20E-09	7.00E-09	1.81E-08	1.47E-08	3.27E-08	2.96E-09	2.84E-09	5.80E-09	2.21E-09	1.45E-09	3.66E-09
2916	562698.5	4234383	2.28E-08	2.04E-08	4.32E-08	3.87E-09	3.26E-09	7.13E-09	1.84E-08	1.49E-08	3.34E-08	3.02E-09	2.90E-09	5.91E-09	2.25E-09	1.48E-09	3.73E-09
2917	562702.7	4234375	2.34E-08	2.09E-08	4.43E-08	3.97E-09	3.35E-09	7.32E-09	1.89E-08	1.53E-08	3.42E-08	3.09E-09	2.97E-09	6.06E-09	2.31E-09	1.52E-09	3.83E-09
2918	562707	4234367	2.40E-08	2.14E-08	4.55E-08	4.08E-09	3.44E-09	7.51E-09	1.94E-08	1.57E-08	3.51E-08	3.18E-09	3.05E-09	6.22E-09	2.37E-09	1.56E-09	3.93E-09
2919	562711.3	4234359	2.44E-08	2.18E-08	4.62E-08	4.15E-09	3.50E-09	7.64E-09	1.97E-08	1.60E-08	3.57E-08	3.23E-09	3.10E-09	6.33E-09	2.41E-09	1.58E-09	4.00E-09
2920	562715.6	4234350	2.49E-08	2.22E-08	4.71E-08	4.23E-09	3.56E-09	7.79E-09	2.01E-08	1.63E-08	3.64E-08	3.30E-09	3.16E-09	6.46E-09	2.46E-09	1.61E-09	4.08E-09
2921	562719.9	4234342	2.55E-08	2.27E-08	4.82E-08	4.32E-09	3.64E-09	7.96E-09	2.06E-08	1.67E-08	3.72E-08	3.37E-09	3.23E-09	6.60E-09	2.51E-09	1.65E-09	4.16E-09
2922	562724.1	4234334	2.61E-08	2.32E-08	4.93E-08	4.42E-09	3.73E-09	8.15E-09	2.10E-08	1.70E-08	3.81E-08	3.45E-09	3.31E-09	6.75E-09	2.57E-09	1.69E-09	4.26E-09
2923	562728.4	4234325	2.67E-08	2.38E-08	5.05E-08	4.53E-09	3.82E-09	8.35E-09	2.16E-08	1.75E-08	3.90E-08	3.53E-09	3.39E-09	6.92E-09	2.64E-09	1.73E-09	4.37E-09
2924	562732.7	4234317	2.74E-08	2.44E-08	5.18E-08	4.65E-09	3.92E-09	8.56E-09	2.21E-08	1.79E-08	4.00E-08	3.62E-09	3.48E-09	7.10E-09	2.71E-09	1.78E-09	4.48E-09
2925	562737	4234309	2.81E-08	2.51E-08	5.32E-08	4.77E-09	4.02E-09	8.79E-09	2.27E-08	1.84E-08	4.11E-08	3.72E-09	3.57E-09	7.29E-09	2.78E-09	1.82E-09	4.60E-09
2926	562741.3	4234301	2.89E-08	2.58E-08	5.46E-08	4.90E-09	4.13E-09	9.03E-09	2.33E-08	1.89E-08	4.22E-08	3.82E-09	3.66E-09	7.48E-09	2.85E-09	1.87E-09	4.72E-09
2927	562745.5	4234292	2.97E-08	2.65E-08	5.61E-08	5.03E-09	4.24E-09	9.27E-09	2.39E-08	1.94E-08	4.33E-08	3.92E-09	3.76E-09	7.68E-09	2.93E-09	1.92E-09	4.85E-09
2928	562749.8	4234284	3.04E-08	2.72E-08	5.76E-08	5.17E-09	4.35E-09	9.52E-09	2.46E-08	1.99E-08	4.45E-08	4.03E-09	3.86E-09	7.89E-09	3.01E-09	1.97E-09	4.98E-09
2929	562754.1	4234276	3.13E-08	2.79E-08	5.91E-08	5.30E-09	4.47E-09	9.77E-09	2.52E-08	2.05E-08	4.57E-08	4.13E-09	3.97E-09	8.10E-09	3.09E-09	2.03E-09	5.11E-09
2930	562758.4	4234268	3.21E-08	2.86E-08	6.07E-08	5.44E-09	4.59E-09	1.00E-08	2.59E-08	2.10E-08	4.69E-08	4.24E-09	4.07E-09	8.31E-09	3.17E-09	2.08E-09	5.25E-09
2931	562762.6	4234259	3.29E-08	2.93E-08	6.22E-08	5.58E-09	4.70E-09	1.03E-08	2.65E-08	2.15E-08	4.81E-08	4.35E-09	4.17E-09	8.52E-09	3.25E-09	2.13E-09	5.38E-09
2932	562775.8	4234248	3.52E-08	3.14E-08	6.65E-08	5.96E-09	5.03E-09	1.10E-08	2.84E-08	2.30E-08	5.14E-08	4.65E-09	4.46E-09	9.11E-09	3.47E-09	2.28E-09	5.75E-09
2933	562784.7	4234245	3.67E-08	3.27E-08	6.94E-08	6.22E-09	5.24E-09	1.15E-08	2.96E-08	2.40E-08	5.36E-08	4.85E-09	4.65E-09	9.50E-09	3.62E-09	2.38E-09	6.00E-09
2934	562793.5	4234242	3.82E-08	3.41E-08	7.23E-08	6.48E-09	5.46E-09	1.19E-08	3.08E-08	2.50E-08	5.58E-08	5.05E-09	4.85E-09	9.90E-09	3.77E-09	2.48E-09	6.25E-09
2935	562802.4	4234240	3.98E-08	3.55E-08	7.53E-08	6.75E-09	5.69E-09	1.24E-08	3.21E-08	2.60E-08	5.81E-08	5.26E-09	5.05E-09	1.03E-08	3.93E-09	2.58E-09	6.51E-09
2936	562811.3	4234237	4.14E-08	3.69E-08	7.83E-08	7.02E-09	5.92E-09	1.29E-08	3.34E-08	2.71E-08	6.05E-08	5.47E-09	5.25E-09	1.07E-08	4.09E-09	2.68E-09	6.77E-09
2937	562820.2	4234234	4.30E-08	3.83E-08	8.13E-08	7.29E-09	6.15E-09	1.34E-08	3.47E-08	2.81E-08	6.28E-08	5.68E-09	5.45E-09	1.11E-08	4.24E-09	2.79E-09	7.03E-09
2938	562829	4234231	4.46E-08	3.98E-08	8.43E-08	7.56E-09	6.38E-09	1.39E-08	3.60E-08	2.92E-08	6.52E-08	5.90E-09	5.66E-09	1.16E-08	4.40E-09	2.89E-09	7.29E-09
2939	562837.9	4234228	4.62E-08	4.12E-08	8.73E-08	7.83E-09	6.60E-09	1.44E-08	3.73E-08	3.02E-08	6.75E-08	6.10E-09	5.86E-09	1.20E-08	4.56E-09	2.99E-09	7.55E-09
2940	562846.8	4234225	4.77E-08	4.26E-08	9.03E-08	8.10E-09	6.82E-09	1.49E-08	3.85E-08	3.12E-08	6.98E-08	6.31E-09	6.05E-09	1.24E-08	4.71E-09	3.09E-09	7.80E-09
2941	562855.6	4234223	4.92E-08	4.39E-08	9.31E-08	8.35E-09	7.04E-09	1.54E-08	3.97E-08	3.22E-08	7.19E-08	6.51E-09	6.24E-09	1.28E-08	4.86E-09	3.19E-09	8.05E-09
2942	562864.5	4234220	5.06E-08	4.52E-08	9.58E-08	8.59E-09	7.24E-09	1.58E-08	4.09E-08	3.31E-08	7.40E-08	6.70E-09	6.43E-09	1.31E-08	5.00E-09	3.28E-09	8.28E-09
2943	562873.4	4234217	5.20E-08	4.64E-08	9.83E-08	8.82E-09	7.43E-09	1.63E-08	4.20E-08	3.40E-08	7.60E-08	6.87E-09	6.60E-09	1.35E-08	5.13E-09	3.37E-09	8.50E-09
2944	562882.3	4234214	5.32E-08	4.75E-08	1.01E-07	9.03E-09	7.61E-09	1.66E-08	4.30E-08	3.48E-08	7.78E-08	7.04E-09	6.75E-09	1.38E-08	5.25E-09	3.45E-09	8.70E-09
2945	562891.1	4234211	5.43E-08	4.84E-08	1.03E-07	9.21E-09	7.76E-09	1.70E-08	4.38E-08	3.55E-08	7.94E-08	7.18E-09	6.89E-09	1.41E-08	5.36E-09	3.52E-09	8.88E-09
2946	562900	4234208	5.52E-08	4.93E-08	1.04E-07	9.37E-09	7.90E-09	1.73E-08	4.46E-08	3.61E-08	8.07E-08	7.30E-09	7.01E-09	1.43E-08	5.45E-09	3.58E-09	9.03E-09
2947	562908.9	4234206	5.60E-08	4.99E-08	1.06E-07	9.50E-09	8.00E-09	1.75E-08	4.52E-08	3.66E-08	8.18E-08	7.40E-09	7.10E-09	1.45E-08	5.53E-09	3.63E-09	9.15E-09
2948	562917.8	4234203	5.65E-08	5.04E-08	1.07E-07	9.59E-09	8.08E-09	1.77E-08	4.56E-08	3.70E-08	8.26E-08	7.48E-09	7.17E-09	1.46E-08	5.58E-09	3.66E-09	9.25E-09
2949	562926.6	4234200	5.69E-08	5.07E-08	1.08E-07	9.65E-09	8.14E-09	1.78E-08	4.59E-08	3.72E-08	8.32E-08	7.52E-09	7.22E-09	1.47E-08	5.62E-09	3.69E-09	9.31E-09
2950	562935.5	4234197	5.70E-08	5.09E-08	1.08E-07	9.68E-09	8.16E-09	1.78E-08	4.60E-08	3.73E-08	8.34E-08	7.54E-09	7.24E-09	1.48E-08	5.63E-09	3.70E-09	9.33E-09
2951	562944.4	4234194	5.69E-08	5.08E-08	1.08E-07	9.66E-09	8.14E-09	1.78E-08	4.60E-08	3.73E-08	8.32E-08	7.53E-09	7.23E-09	1.48E-08	5.62E-09	3.69E-09	9.31E-09
2952	562953.2	4234191	5.66E-08	5.05E-08	1.07E-07	9.61E-09	8.10E-09	1.77E-08	4.57E-08	3.71E-08	8.28E-08	7.49E-09	7.19E-09	1.47E-08	5.59E-09	3.67E-09	9.26E-09
2953	562962.1	4234188	5.61E-08	5.00E-08	1.06E-07	9.52E-09	8.02E-09	1.75E-08	4.53E-08	3.67E-08	8.20E-08	7.42E-09	7.12E-09	1.45E-08	5.54E-09	3.64E-09	9.18E-09
2954	562971	4234186	5.53E-08	4.94E-08	1.05E-07	9.39E-09	7.92E-09	1.73E-08	4.47E-08	3.62E-08	8.09E-08	7.32E-09	7.02E-09	1.43E-08	5.47E-09	3.59E-09	9.05E-09
2955	562997.6	4234177	5.19E-08	4.63E-08	9.83E-08	8.81E-09	7.43E-09	1.62E-08	4.19E-08	3.40E-08	7.59E-08	6.87E-09	6.59E-09	1.35E-08	5.13E-09	3.37E-09	8.50E-09
2956	563006.5	4234174	5.04E-08	4.50E-08	9.54E-08	8.56E-09	7.21E-09	1.58E-08	4.07E-08	3.30E-08	7.37E-08	6.67E-09	6.40E-09	1.31E-08	4.98E-09	3.27E-09	8.25E-09
2957	563015.3	4234171	4.87E-08	4.35E-08	9.22E-08	8.27E-09	6.97E-09	1.52E-08	3.93E-08	3.19E-08	7.12E-08	6.44E-09	6.18E-09	1.26E-08	4.81E-09	3.16E-09	7.97E-09
2958	563024.2	4234169	4.69E-08	4.18E-08	8.87E-08	7.95E-09	6.70E-09	1.47E-08	3.78E-08	3.07E-08	6.85E-08	6.20E-09	5.95E-09	1.21E-08	4.63E-09	3.04E-09	7.67E-09
2959	563033.1	4234166	4.49E-08	4.01E-08	8.50E-08	7.62E-09	6.42E-09	1.40E-08	3.63E-08	2.94E-08	6.56E-08	5.94E-09	5.70E-09	1.16E-08	4.43E-09	2.91E-09	7.34E-09
2960	563042	4234163	4.30E-08	3.84E-08	8.13E-08	7.29E-09	6.15E-09	1.34E-08	3.47E-08	2.81E-08	6.28E-08	5.69E-09	5.46E-09	1.11E-08	4.25E-09	2.79E-09	7.03E-09
2961	563050.8	4234160	4.11E-08	3.67E-08	7.78E-08	6.98E-09	5.88E-09	1.29E-08	3.32E-08	2.69E-08	6.01E-08	5.44E-09	5.22E-09	1.07E-08	4.06E-09	2.67E-09	6.73E-09
2962	563059.7	4234157	3.93E-08	3.51E-08	7.44E-08	6.67E-09	5.62E-09	1.23E-08	3.17E-08	2.57E-08	5.75E-08	5.20E-09	4.99E-09	1.02E-08	3.88E-09	2.55E-09	6.43E-09
2963	563068.6	4234154	3.76E-08	3.35E-08	7.11E-08	6.37E-09	5.37E-09	1.17E-08	3.03E-08	2.46E-08	5.49E-08	4.97E-09	4.77E-09	9.74E-09	3.71E-09	2.43E-09	6.14E-09
2964	563077.4	4234152	3.59E-08	3.20E-08	6.79E-08	6.08E-09	5.13E-09	1.12E-08	2.90E-08	2.35E-08	5.24E-08	4.74E-09	4.55E-09	9.29E-09	3.54E-09	2.32E-09	5.87E-09
2965	563086.3	4234149	3.42E-08	3.05E-08	6.47E-08	5.80E-09	4.89E-09	1.07E-08	2.76E-08	2.24E-08	5.00E-08	4.52E-09	4.34E-09	8.86E-09	3.38E-09	2.22E-09	5.60E-09
2966	563095.2	4234146	3.26E-08	2.91E-08	6.17E-08	5.54E-09	4.67E-09	1.02E-08	2.63E-08	2.13E-08	4.77E-08	4.31E-09	4.14E-09	8.45E-09	3.22E-09	2.11E-09	5.34E-09
2967	563104.1	4234143	3.11E-08	2.78E-08	5.89E-08	5.28E-09	4.45E-09	9.73E-09	2.51E-08	2.04E-08	4.55E-08	4.11E-09	3.95E-09	8.06E-09	3.07E-09	2.02E-09	5.09E-09
2968	563112.9	4234140	2.97E-08	2.65E-08	5.62E-08	5.04E-09	4.25E-09	9.29E-09	2.40E-08	1.94E-08	4.34E-08	3.93E-09	3.77E-09	7.69E-09	2.93E-09	1.92E-09	4.86E-09
2969	563121.8	4234137	2.84E-08	2.53E-08	5.37E-08	4.81E-09	4.06E-09	8.87E-09	2.29E-08	1.86E-08	4.15E-08	3.75E-09	3.60E-09	7.35E-09	2.80E-09	1.84E-09	4.64E-09
2970	562591.5	4234590	2.69E-08	2.40E-08	5.08E-08	4.56E-09	3.84E-09	8.40E-09	2.17E-08	1.76E-08	3.93E-08	3.55E-09	3.41E-09	6.96E-09	2.65E-09	1.74E-09	4.40E-09
2971	562590.7	4234600	2.68E-08	2.39E-08	5.08E-08	4.55E-09	3.84E-09	8.39E-09	2.17E-08	1.76E-08	3.92E-08	3.55E-09	3.40E-09	6.95E-09	2.65E-09	1.74E-09	4.39E-09
2972	562589.9	4234609	2.67E-08	2.38E-08	5.05E-08	4.53E-09	3.82E-09	8.35E-09	2.16E-08	1.75E-08	3.90E-08	3.53E-09	3.39E-09	6.92E-09	2.64E-09	1.73E-09	4.37E-09
2973	562589.1	4234618	2.65E-08	2.36E-08	5.01E-08	4.50E-09	3.79E-09	8.29E-09	2.14E-08	1.73E-08	3.87E-08	3.50E-09	3.36E-09	6.87E-09	2.62E-09	1.72E-09	4.33E-09
2974	562588.3	4234627	2.62E-08	2.34E-08	4.96E-08	4.45E-09	3.75E-09	8.20E-09	2.12E-08	1.72E-08	3.83E-08	3.47E-09	3.33E-09	6.79E-09	2.59E-09	1.70E-09	4.29E-09
2975	562587.5	4234637	2.59E-08	2.31E-08	4.89E-08	4.39E-09	3.70E-09	8.09E-09	2.09E-08	1.69E-08	3.78E-08	3.42E-09	3.28E-09	6.70E-09	2.55E-09	1.68E-09	4.23E-09
2976	562586.7	4234646	2.54E-08	2.27E-08	4.81E-08	4.32E-09	3.64E-09	7.95E-09	2.05E-08	1.66E-08	3.72E-08	3.36E-09	3.23E-09	6.59E-09	2.51E-09	1.65E-09	4.16E-09
2977	562585.9	4234655	2.49E-08	2.23E-08	4.72E-08	4.23E-09	3.57E-09	7.80E-09	2.01E-08	1.63E-08	3.65E-08	3.30E-09	3.17E-09	6.46E-09	2.46E-09	1.62E-09	4.08E-09
2978	562585.1	4234665	2.44E-08	2.18E-08	4.62E-08	4.14E-09	3.49E-09	7.63E-09	1.97E-08	1.60E-08	3.57E-08	3.23E-09	3.10E-09	6.32E-09	2.41E-09	1.58E-09	3.99E-09
2979	562584.3	4234674	2.38E-08	2.12E-08	4.50E-08	4.04E-09	3.40E-09	7.44E-09	1.92E-08	1.56E-08	3.48E-08	3.15E-09	3.02E-09	6.17E-09	2.35E-09	1.54E-09	3.89E-09
2980	562583.5	4234683	2.32E-08	2.07E-08	4.38E-08	3.93E-09	3.31E-09	7.24E-09	1.87E-08	1.52E-08	3.39E-08	3.06E-09	2.94E-09	6.00E-09	2.29E-09	1.50E-09	3.79E-09
2981	562582.7	4234693	2.25E-08	2.01E-08	4.26E-08	3.82E-09	3.22E-09	7.04E-09	1.82E-08	1.47E-08	3.29E-08	2.98E-09	2.85E-09	5.83E-09	2.22E-09	1.46E-09	3.68E-09
2982	562581.9	4234702	2.18E-08	1.94E-08	4.12E-08	3.70E-09	3.12E-09	6.82E-09	1.76E-08	1.43E-08	3.19E-08	2.88E-09	2.77E-09	5.65E-09	2.15E-09	1.41E-09	3.57E-09
2983	562555.8	4234579	2.47E-08	2.21E-08	4.68E-08	4.20E-09	3.54E-09	7.74E-09	2.00E-08	1.62E-08	3.62E-08	3.27E-09	3.14E-09	6.41E-09	2.44E-09	1.60E-09	4.05E-09
2984	562560.1	4234571	2.49E-08	2.22E-08	4.71E-08	4.23E-09	3.56E-09	7.79E-09	2.01E-08	1.63E-08	3.64E-08	3.29E-09	3.16E-09	6.45E-09	2.46E-09	1.61E-09	4.07E-09
2985	562564.3	4234562	2.50E-08	2.23E-08	4.73E-08	4.24E-09	3.57E-09	7.82E-09	2.02E-08	1.64E-08	3.65E-08	3.31E-09	3.17E-09	6.48E-09	2.47E-09	1.62E-09	4.09E-09
2986	562568.5	4234554	2.50E-08	2.23E-08	4.74E-08	4.25E-09	3.58E-09	7.83E-09	2.02E-08	1.64E-08	3.66E-08	3.31E-09	3.18E-09	6.49E-09	2.47E-09	1.62E-09	4.10E-09
2987	562572.7	4234546	2.50E-08	2.23E-08	4.73E-08	4.25E-09	3.58E-09	7.82E-09	2.02E-08	1.64E-08	3.66E-08	3.31E-09	3.18E-09	6.48E-09	2.47E-09	1.62E-09	4.09E-09
2988	562576.9	4234538	2.50E-08	2.23E-08	4.72E-08	4.24E-09	3.57E-09	7.80E-09	2.02E-08	1.63E-08	3.65E-08	3.30E-09	3.17E-09	6.47E-09	2.47E-09	1.62E-09	4.08E-09
2989	562581.1	4234530	2.49E-08	2.22E-08	4.70E-08	4.22E-09	3.55E-09	7.77E-09	2.01E-08	1.63E-08	3.63E-08	3.29E-09	3.15E-09	6.44E-09	2.45E-09	1.61E-09	4.07E-09
2990	562585.3	4234522	2.47E-08	2.20E-08	4.67E-08	4.19E-09	3.53E-09	7.72E-09	1.99E-08	1.62E-08	3.61E-08	3.27E-09	3.13E-09	6.40E-09	2.44E-09	1.60E-09	4.04E-09
2991	562589.5	4234514	2.45E-08	2.19E-08	4.64E-08	4.16E-09	3.51E-09	7.67E-09	1.98E-08	1.60E-08	3.58E-08	3.24E-09	3.11E-09	6.35E-09	2.42E-09	1.59E-09	4.01E-09
2992	562593.7	4234505	2.43E-08	2.17E-08	4.60E-08	4.12E-09	3.48E-09	7.60E-09	1.96E-08	1.59E-08	3.55E-08	3.21E-09	3.08E-09	6.30E-09	2.40E-09	1.58E-09	3.98E-09
2993	562597.9	4234497	2.41E-08	2.15E-08	4.55E-08	4.08E-09	3.44E-09	7.52E-09	1.94E-08	1.57E-08	3.52E-08	3.18E-09	3.05E-09	6.23E-09	2.38E-09	1.56E-09	3.94E-09
2994	562602.2	4234489	2.38E-08	2.12E-08	4.50E-08	4.04E-09	3.40E-09	7.44E-09	1.92E-08	1.56E-08	3.48E-08	3.15E-09	3.02E-09	6.16E-09	2.35E-09	1.54E-09	3.89E-09
2995	562606.4	4234481	2.35E-08	2.10E-08	4.45E-08	3.99E-09	3.36E-09	7.35E-09	1.90E-08	1.54E-08	3.44E-08	3.11E-09	2.98E-09	6.09E-09	2.32E-09	1.52E-09	3.84E-09
2996	562610.6	4234473	2.32E-08	2.07E-08	4.39E-08	3.94E-09	3.32E-09	7.25E-09	1.87E-08	1.52E-08	3.39E-08	3.07E-09	2.94E-09	6.01E-09	2.29E-09	1.50E-09	3.79E-09
2997	562614.8	4234465	2.28E-08	2.04E-08	4.32E-08	3.88E-09	3.27E-09	7.14E-09	1.84E-08	1.50E-08	3.34E-08	3.02E-09	2.90E-09	5.92E-09	2.26E-09	1.48E-09	3.74E-09
2998	562619	4234457	2.24E-08	2.00E-08	4.24E-08	3.80E-09	3.20E-09	7.00E-09	1.81E-08	1.46E-08	3.27E-08	2.96E-09	2.84E-09	5.80E-09	2.21E-09	1.45E-09	3.66E-09
2999	562623.2	4234448	2.19E-08	1.96E-08	4.15E-08	3.72E-09	3.14E-09	6.86E-09	1.77E-08	1.44E-08	3.21E-08	2.90E-09	2.78E-09	5.68E-09	2.17E-09	1.42E-09	3.59E-09

3000	562627.4	4234440	2.15E-08	1.92E-08	4.07E-08	3.65E-09	3.07E-09	6.72E-09	1.74E-08	1.41E-08	3.14E-08	2.84E-09	2.73E-09	5.57E-09	2.12E-09	1.39E-09	3.52E-09
3001	562631.6	4234432	2.11E-08	1.88E-08	3.99E-08	3.58E-09	3.02E-09	6.59E-09	1.70E-08	1.38E-08	3.08E-08	2.79E-09	2.68E-09	5.46E-09	2.08E-09	1.37E-09	3.45E-09
3002	562635.8	4234424	2.07E-08	1.85E-08	3.92E-08	3.51E-09	2.96E-09	6.47E-09	1.67E-08	1.35E-08	3.03E-08	2.74E-09	2.63E-09	5.36E-09	2.04E-09	1.34E-09	3.39E-09
3003	562640.1	4234416	2.04E-08	1.82E-08	3.85E-08	3.45E-09	2.91E-09	6.36E-09	1.64E-08	1.33E-08	2.98E-08	2.69E-09	2.58E-09	5.27E-09	2.01E-09	1.32E-09	3.33E-09
3004	562644.3	4234408	2.01E-08	1.79E-08	3.80E-08	3.41E-09	2.87E-09	6.28E-09	1.62E-08	1.31E-08	2.93E-08	2.65E-09	2.55E-09	5.20E-09	1.98E-09	1.30E-09	3.28E-09
3005	562648.5	4234400	1.99E-08	1.78E-08	3.77E-08	3.38E-09	2.85E-09	6.23E-09	1.61E-08	1.30E-08	2.91E-08	2.64E-09	2.53E-09	5.17E-09	1.97E-09	1.29E-09	3.26E-09
3006	562652.7	4234391	1.99E-08	1.77E-08	3.76E-08	3.37E-09	2.84E-09	6.21E-09	1.60E-08	1.30E-08	2.90E-08	2.63E-09	2.52E-09	5.15E-09	1.96E-09	1.29E-09	3.25E-09
3007	562656.9	4234383	1.98E-08	1.77E-08	3.75E-08	3.37E-09	2.84E-09	6.20E-09	1.60E-08	1.30E-08	2.90E-08	2.62E-09	2.52E-09	5.14E-09	1.96E-09	1.29E-09	3.25E-09
3008	562661.1	4234375	1.99E-08	1.77E-08	3.76E-08	3.37E-09	2.84E-09	6.22E-09	1.61E-08	1.30E-08	2.91E-08	2.63E-09	2.52E-09	5.15E-09	1.96E-09	1.29E-09	3.25E-09
3009	562665.3	4234367	2.00E-08	1.78E-08	3.78E-08	3.39E-09	2.86E-09	6.25E-09	1.61E-08	1.31E-08	2.92E-08	2.64E-09	2.54E-09	5.18E-09	1.97E-09	1.30E-09	3.27E-09
3010	562669.5	4234359	2.01E-08	1.80E-08	3.81E-08	3.42E-09	2.88E-09	6.30E-09	1.63E-08	1.32E-08	2.95E-08	2.66E-09	2.56E-09	5.22E-09	1.99E-09	1.31E-09	3.30E-09
3011	562673.7	4234351	2.04E-08	1.82E-08	3.86E-08	3.46E-09	2.91E-09	6.37E-09	1.65E-08	1.33E-08	2.98E-08	2.69E-09	2.59E-09	5.28E-09	2.01E-09	1.32E-09	3.33E-09
3012	562677.9	4234343	2.08E-08	1.85E-08	3.93E-08	3.53E-09	2.97E-09	6.50E-09	1.68E-08	1.36E-08	3.04E-08	2.75E-09	2.64E-09	5.39E-09	2.05E-09	1.35E-09	3.40E-09
3013	562682.2	4234334	2.13E-08	1.90E-08	4.03E-08	3.61E-09	3.05E-09	6.66E-09	1.72E-08	1.39E-08	3.11E-08	2.82E-09	2.70E-09	5.52E-09	2.10E-09	1.38E-09	3.48E-09
3014	562686.4	4234326	2.19E-08	1.96E-08	4.15E-08	3.72E-09	3.14E-09	6.86E-09	1.77E-08	1.44E-08	3.21E-08	2.90E-09	2.78E-09	5.69E-09	2.17E-09	1.42E-09	3.59E-09
3015	562690.6	4234318	2.26E-08	2.01E-08	4.27E-08	3.83E-09	3.23E-09	7.06E-09	1.82E-08	1.48E-08	3.30E-08	2.99E-09	2.87E-09	5.85E-09	2.23E-09	1.46E-09	3.69E-09
3016	562694.8	4234310	2.32E-08	2.07E-08	4.39E-08	3.94E-09	3.32E-09	7.26E-09	1.87E-08	1.52E-08	3.39E-08	3.07E-09	2.94E-09	6.01E-09	2.29E-09	1.50E-09	3.80E-09
3017	562699	4234302	2.38E-08	2.12E-08	4.50E-08	4.04E-09	3.40E-09	7.44E-09	1.92E-08	1.56E-08	3.48E-08	3.15E-09	3.02E-09	6.16E-09	2.35E-09	1.54E-09	3.89E-09
3018	562703.2	4234294	2.44E-08	2.17E-08	4.61E-08	4.13E-09	3.48E-09	7.62E-09	1.97E-08	1.59E-08	3.56E-08	3.22E-09	3.09E-09	6.31E-09	2.41E-09	1.58E-09	3.99E-09
3019	562707.4	4234286	2.50E-08	2.23E-08	4.73E-08	4.24E-09	3.57E-09	7.81E-09	2.02E-08	1.63E-08	3.65E-08	3.30E-09	3.17E-09	6.47E-09	2.47E-09	1.62E-09	4.09E-09
3020	562711.6	4234277	2.56E-08	2.28E-08	4.85E-08	4.35E-09	3.66E-09	8.01E-09	2.07E-08	1.68E-08	3.74E-08	3.39E-09	3.25E-09	6.64E-09	2.53E-09	1.66E-09	4.19E-09
3021	562715.8	4234269	2.63E-08	2.34E-08	4.97E-08	4.46E-09	3.76E-09	8.21E-09	2.12E-08	1.72E-08	3.84E-08	3.47E-09	3.33E-09	6.81E-09	2.59E-09	1.70E-09	4.30E-09
3022	562720.1	4234261	2.69E-08	2.40E-08	5.10E-08	4.57E-09	3.85E-09	8.42E-09	2.18E-08	1.76E-08	3.94E-08	3.56E-09	3.42E-09	6.98E-09	2.66E-09	1.75E-09	4.41E-09
3023	562724.3	4234253	2.76E-08	2.46E-08	5.23E-08	4.69E-09	3.95E-09	8.64E-09	2.23E-08	1.81E-08	4.04E-08	3.65E-09	3.51E-09	7.16E-09	2.73E-09	1.79E-09	4.52E-09
3024	562728.5	4234245	2.83E-08	2.53E-08	5.36E-08	4.81E-09	4.05E-09	8.86E-09	2.29E-08	1.85E-08	4.14E-08	3.75E-09	3.59E-09	7.34E-09	2.80E-09	1.84E-09	4.63E-09
3025	562732.7	4234237	2.90E-08	2.59E-08	5.49E-08	4.92E-09	4.15E-09	9.07E-09	2.34E-08	1.90E-08	4.24E-08	3.84E-09	3.68E-09	7.52E-09	2.87E-09	1.88E-09	4.75E-09
3026	562736.9	4234229	2.97E-08	2.65E-08	5.62E-08	5.04E-09	4.25E-09	9.29E-09	2.40E-08	1.94E-08	4.34E-08	3.93E-09	3.77E-09	7.70E-09	2.93E-09	1.93E-09	4.86E-09
3027	562749.8	4234218	3.16E-08	2.82E-08	5.99E-08	5.37E-09	4.53E-09	9.89E-09	2.55E-08	2.07E-08	4.63E-08	4.18E-09	4.02E-09	8.20E-09	3.12E-09	2.05E-09	5.18E-09
3028	562758.6	4234215	3.29E-08	2.94E-08	6.23E-08	5.59E-09	4.71E-09	1.03E-08	2.66E-08	2.15E-08	4.81E-08	4.35E-09	4.18E-09	8.53E-09	3.25E-09	2.13E-09	5.38E-09
3029	562767.3	4234212	3.42E-08	3.05E-08	6.48E-08	5.81E-09	4.90E-09	1.07E-08	2.76E-08	2.24E-08	5.00E-08	4.53E-09	4.34E-09	8.87E-09	3.38E-09	2.22E-09	5.60E-09
3030	562776	4234209	3.56E-08	3.17E-08	6.73E-08	6.04E-09	5.09E-09	1.11E-08	2.87E-08	2.33E-08	5.20E-08	4.70E-09	4.51E-09	9.22E-09	3.51E-09	2.31E-09	5.82E-09
3031	562784.8	4234206	3.69E-08	3.29E-08	6.99E-08	6.27E-09	5.28E-09	1.15E-08	2.98E-08	2.42E-08	5.40E-08	4.88E-09	4.69E-09	9.57E-09	3.65E-09	2.39E-09	6.04E-09
3032	562793.5	4234204	3.83E-08	3.42E-08	7.25E-08	6.50E-09	5.48E-09	1.20E-08	3.09E-08	2.51E-08	5.60E-08	5.07E-09	4.86E-09	9.93E-09	3.78E-09	2.48E-09	6.27E-09
3033	562802.2	4234201	3.97E-08	3.54E-08	7.51E-08	6.73E-09	5.68E-09	1.24E-08	3.20E-08	2.60E-08	5.80E-08	5.25E-09	5.04E-09	1.03E-08	3.92E-09	2.57E-09	6.49E-09
3034	562810.9	4234198	4.11E-08	3.66E-08	7.77E-08	6.97E-09	5.87E-09	1.28E-08	3.32E-08	2.69E-08	6.00E-08	5.43E-09	5.21E-09	1.06E-08	4.06E-09	2.66E-09	6.72E-09
3035	562819.7	4234195	4.24E-08	3.79E-08	8.03E-08	7.20E-09	6.07E-09	1.33E-08	3.43E-08	2.78E-08	6.20E-08	5.61E-09	5.38E-09	1.10E-08	4.19E-09	2.75E-09	6.94E-09
3036	562828.4	4234192	4.38E-08	3.91E-08	8.28E-08	7.43E-09	6.26E-09	1.37E-08	3.53E-08	2.86E-08	6.40E-08	5.79E-09	5.55E-09	1.13E-08	4.32E-09	2.84E-09	7.16E-09
3037	562837.1	4234190	4.51E-08	4.02E-08	8.53E-08	7.65E-09	6.45E-09	1.41E-08	3.64E-08	2.95E-08	6.59E-08	5.96E-09	5.72E-09	1.17E-08	4.45E-09	2.92E-09	7.37E-09
3038	562845.9	4234187	4.63E-08	4.13E-08	8.76E-08	7.86E-09	6.62E-09	1.45E-08	3.74E-08	3.03E-08	6.77E-08	6.13E-09	5.88E-09	1.20E-08	4.57E-09	3.00E-09	7.58E-09
3039	562854.6	4234184	4.75E-08	4.24E-08	8.98E-08	8.06E-09	6.79E-09	1.48E-08	3.83E-08	3.11E-08	6.94E-08	6.28E-09	6.03E-09	1.23E-08	4.69E-09	3.08E-09	7.77E-09
3040	562863.3	4234181	4.86E-08	4.33E-08	9.19E-08	8.24E-09	6.95E-09	1.52E-08	3.92E-08	3.18E-08	7.10E-08	6.42E-09	6.16E-09	1.26E-08	4.80E-09	3.15E-09	7.94E-09
3041	562872.1	4234179	4.95E-08	4.42E-08	9.37E-08	8.41E-09	7.09E-09	1.55E-08	4.00E-08	3.24E-08	7.24E-08	6.55E-09	6.29E-09	1.28E-08	4.89E-09	3.21E-09	8.10E-09
3042	562880.8	4234176	5.04E-08	4.50E-08	9.54E-08	8.55E-09	7.21E-09	1.58E-08	4.07E-08	3.30E-08	7.37E-08	6.67E-09	6.40E-09	1.31E-08	4.98E-09	3.27E-09	8.24E-09
3043	562889.5	4234173	5.11E-08	4.56E-08	9.67E-08	8.67E-09	7.31E-09	1.60E-08	4.13E-08	3.35E-08	7.47E-08	6.76E-09	6.49E-09	1.32E-08	5.05E-09	3.31E-09	8.36E-09
3044	562898.2	4234170	5.17E-08	4.61E-08	9.78E-08	8.77E-09	7.39E-09	1.62E-08	4.17E-08	3.38E-08	7.56E-08	6.84E-09	6.56E-09	1.34E-08	5.10E-09	3.35E-09	8.45E-09
3045	562907	4234167	5.21E-08	4.65E-08	9.86E-08	8.84E-09	7.45E-09	1.63E-08	4.21E-08	3.41E-08	7.61E-08	6.89E-09	6.61E-09	1.35E-08	5.14E-09	3.38E-09	8.52E-09
3046	562915.7	4234165	5.23E-08	4.67E-08	9.90E-08	8.88E-09	7.48E-09	1.64E-08	4.22E-08	3.42E-08	7.65E-08	6.92E-09	6.64E-09	1.36E-08	5.17E-09	3.39E-09	8.56E-09
3047	562924.4	4234162	5.24E-08	4.67E-08	9.91E-08	8.89E-09	7.49E-09	1.64E-08	4.23E-08	3.43E-08	7.66E-08	6.93E-09	6.65E-09	1.36E-08	5.17E-09	3.39E-09	8.57E-09
3048	562933.2	4234159	5.22E-08	4.66E-08	9.88E-08	8.86E-09	7.47E-09	1.63E-08	4.22E-08	3.42E-08	7.64E-08	6.91E-09	6.63E-09	1.35E-08	5.16E-09	3.39E-09	8.54E-09
3049	562941.9	4234156	5.19E-08	4.63E-08	9.82E-08	8.81E-09	7.43E-09	1.62E-08	4.19E-08	3.40E-08	7.59E-08	6.87E-09	6.59E-09	1.35E-08	5.13E-09	3.37E-09	8.49E-09
3050	562950.6	4234153	5.14E-08	4.59E-08	9.73E-08	8.73E-09	7.35E-09	1.61E-08	4.15E-08	3.37E-08	7.52E-08	6.80E-09	6.53E-09	1.33E-08	5.08E-09	3.33E-09	8.41E-09
3051	562959.4	4234151	5.08E-08	4.53E-08	9.60E-08	8.61E-09	7.26E-09	1.59E-08	4.10E-08	3.32E-08	7.42E-08	6.71E-09	6.44E-09	1.32E-08	5.01E-09	3.29E-09	8.30E-09
3052	562968.1	4234148	4.99E-08	4.45E-08	9.44E-08	8.47E-09	7.14E-09	1.56E-08	4.03E-08	3.27E-08	7.30E-08	6.60E-09	6.33E-09	1.29E-08	4.93E-09	3.23E-09	8.16E-09
3053	562994.3	4234139	4.65E-08	4.15E-08	8.81E-08	7.90E-09	6.66E-09	1.46E-08	3.76E-08	3.05E-08	6.80E-08	6.16E-09	5.91E-09	1.21E-08	4.60E-09	3.02E-09	7.61E-09
3054	563003	4234137	4.52E-08	4.03E-08	8.55E-08	7.67E-09	6.46E-09	1.41E-08	3.65E-08	2.96E-08	6.61E-08	5.98E-09	5.74E-09	1.17E-08	4.46E-09	2.93E-09	7.39E-09
3055	563011.7	4234134	4.36E-08	3.89E-08	8.24E-08	7.39E-09	6.23E-09	1.36E-08	3.52E-08	2.85E-08	6.37E-08	5.76E-09	5.53E-09	1.13E-08	4.30E-09	2.82E-09	7.12E-09
3056	563020.5	4234131	4.18E-08	3.73E-08	7.92E-08	7.10E-09	5.98E-09	1.31E-08	3.38E-08	2.74E-08	6.12E-08	5.53E-09	5.31E-09	1.08E-08	4.13E-09	2.71E-09	6.84E-09
3057	563029.2	4234128	4.01E-08	3.58E-08	7.59E-08	6.80E-09	5.73E-09	1.25E-08	3.24E-08	2.62E-08	5.86E-08	5.30E-09	5.09E-09	1.04E-08	3.96E-09	2.60E-09	6.56E-09
3058	563037.9	4234125	3.85E-08	3.43E-08	7.28E-08	6.53E-09	5.50E-09	1.20E-08	3.11E-08	2.52E-08	5.62E-08	5.09E-09	4.88E-09	9.97E-09	3.80E-09	2.49E-09	6.29E-09
3059	563046.7	4234123	3.69E-08	3.29E-08	6.99E-08	6.26E-09	5.28E-09	1.15E-08	2.98E-08	2.42E-08	5.40E-08	4.88E-09	4.68E-09	9.57E-09	3.65E-09	2.39E-09	6.04E-09
3060	563055.4	4234120	3.54E-08	3.16E-08	6.70E-08	6.01E-09	5.06E-09	1.11E-08	2.86E-08	2.32E-08	5.17E-08	4.68E-09	4.49E-09	9.17E-09	3.50E-09	2.29E-09	5.79E-09
3061	563064.1	4234117	3.39E-08	3.02E-08	6.41E-08	5.75E-09	4.85E-09	1.06E-08	2.74E-08	2.22E-08	4.95E-08	4.48E-09	4.30E-09	8.78E-09	3.35E-09	2.20E-09	5.54E-09
3062	563072.9	4234114	3.24E-08	2.89E-08	6.14E-08	5.50E-09	4.64E-09	1.01E-08	2.62E-08	2.12E-08	4.74E-08	4.29E-09	4.11E-09	8.40E-09	3.20E-09	2.10E-09	5.30E-09
3063	563081.6	4234111	3.10E-08	2.77E-08	5.87E-08	5.26E-09	4.44E-09	9.70E-09	2.50E-08	2.03E-08	4.53E-08	4.10E-09	3.94E-09	8.04E-09	3.06E-09	2.01E-09	5.07E-09
3064	563090.3	4234109	2.97E-08	2.65E-08	5.61E-08	5.03E-09	4.24E-09	9.27E-09	2.39E-08	1.94E-08	4.33E-08	3.92E-09	3.76E-09	7.68E-09	2.93E-09	1.92E-09	4.85E-09
3065	563099	4234106	2.84E-08	2.53E-08	5.37E-08	4.81E-09	4.06E-09	8.87E-09	2.29E-08	1.86E-08	4.15E-08	3.75E-09	3.60E-09	7.35E-09	2.80E-09	1.84E-09	4.64E-09
3066	563107.8	4234103	2.71E-08	2.42E-08	5.13E-08	4.60E-09	3.88E-09	8.48E-09	2.19E-08	1.78E-08	3.97E-08	3.59E-09	3.44E-09	7.03E-09	2.68E-09	1.76E-09	4.44E-09
3067	563116.5	4234100	2.60E-08	2.32E-08	4.92E-08	4.41E-09	3.72E-09	8.12E-09	2.10E-08	1.70E-08	3.80E-08	3.44E-09	3.30E-09	6.73E-09	2.57E-09	1.68E-09	4.25E-09
3068	563125.2	4234097	2.49E-08	2.22E-08	4.71E-08	4.23E-09	3.56E-09	7.79E-09	2.01E-08	1.63E-08	3.64E-08	3.29E-09	3.16E-09	6.45E-09	2.46E-09	1.61E-09	4.07E-09
3069	562551.6	4234587	2.45E-08	2.19E-08	4.64E-08	4.16E-09	3.51E-09	7.67E-09	1.98E-08	1.61E-08	3.59E-08	3.24E-09	3.11E-09	6.36E-09	2.42E-09	1.59E-09	4.01E-09
3070	562550.8	4234596	2.44E-08	2.18E-08	4.62E-08	4.15E-09	3.50E-09	7.64E-09	1.97E-08	1.60E-08	3.57E-08	3.23E-09	3.10E-09	6.33E-09	2.41E-09	1.58E-09	4.00E-09
3071	562550	4234605	2.43E-08	2.17E-08	4.59E-08	4.12E-09	3.47E-09	7.59E-09	1.96E-08	1.59E-08	3.55E-08	3.21E-09	3.08E-09	6.29E-09	2.40E-09	1.57E-09	3.97E-09
3072	562549.2	4234615	2.41E-08	2.15E-08	4.55E-08	4.08E-09	3.44E-09	7.52E-09	1.94E-08	1.57E-08	3.52E-08	3.18E-09	3.05E-09	6.24E-09	2.38E-09	1.56E-09	3.94E-09
3073	562548.4	4234624	2.38E-08	2.12E-08	4.50E-08	4.03E-09	3.40E-09	7.43E-09	1.92E-08	1.56E-08	3.48E-08	3.14E-09	3.02E-09	6.16E-09	2.35E-09	1.54E-09	3.89E-09
3074	562547.6	4234633	2.34E-08	2.09E-08	4.43E-08	3.98E-09	3.35E-09	7.33E-09	1.89E-08	1.53E-08	3.42E-08	3.10E-09	2.97E-09	6.07E-09	2.31E-09	1.52E-09	3.83E-09
3075	562546.8	4234643	2.30E-08	2.05E-08	4.36E-08	3.91E-09	3.29E-09	7.20E-09	1.86E-08	1.51E-08	3.37E-08	3.05E-09	2.92E-09	5.97E-09	2.27E-09	1.49E-09	3.77E-09
3076	562546	4234652	2.26E-08	2.01E-08	4.27E-08	3.83E-09	3.23E-09	7.06E-09	1.82E-08	1.48E-08	3.30E-08	2.99E-09	2.86E-09	5.85E-09	2.23E-09	1.46E-09	3.69E-09
3077	562545.3	4234661	2.21E-08	1.97E-08	4.18E-08	3.75E-09	3.16E-09	6.90E-09	1.78E-08	1.44E-08	3.23E-08	2.92E-09	2.80E-09	5.72E-09	2.18E-09	1.43E-09	3.61E-09
3078	562544.5	4234671	2.15E-08	1.92E-08	4.08E-08	3.66E-09	3.08E-09	6.74E-09	1.74E-08	1.41E-08	3.15E-08	2.85E-09	2.73E-09	5.58E-09	2.13E-09	1.40E-09	3.52E-09
3079	562543.7	4234680	2.10E-08	1.87E-08	3.97E-08	3.56E-09	3.00E-09	6.56E-09	1.69E-08	1.37E-08	3.07E-08	2.78E-09	2.66E-09	5.44E-09	2.07E-09	1.36E-09	3.43E-09
3080	562542.9	4234689	2.04E-08	1.82E-08	3.86E-08	3.46E-09	2.92E-09	6.38E-09	1.65E-08	1.33E-08	2.98E-08	2.70E-09	2.59E-09	5.28E-09	2.01E-09	1.32E-09	3.34E-09
3081	562542.1	4234699	1.98E-08	1.76E-08	3.74E-08	3.36E-09	2.83E-09	6.19E-09	1.60E-08	1.29E-08	2.89E-08	2.62E-09	2.51E-09	5.13E-09	1.95E-09	1.28E-09	3.24E-09
3082	562516	4234575	2.27E-08	2.02E-08	4.29E-08	3.85E-09	3.25E-09	7.10E-09	1.83E-08	1.48E-08	3.32E-08	3.00E-09	2.88E-09	5.88E-09	2.24E-09	1.47E-09	3.71E-09
3083	562520.3	4234567	2.29E-08	2.04E-08	4.33E-08	3.88E-09	3.27E-09	7.15E-09	1.85E-08	1.50E-08	3.34E-08	3.02E-09	2.90E-09	5.93E-09	2.26E-09	1.48E-09	3.74E-09
3084	562524.5	4234559	2.30E-08	2.05E-08	4.35E-08	3.90E-09	3.29E-09	7.19E-09	1.86E-08	1.51E-08	3.36E-08	3.04E-09	2.92E-09	5.96E-09	2.27E-09	1.49E-09	3.76E-09
3085	562528.7	4234551	2.31E-08	2.06E-08	4.37E-08	3.92E-09	3.30E-09	7.22E-09	1.86E-08	1.51E-08	3.37E-08	3.05E-09	2.93E-09	5.98E-09	2.28E-09	1.50E-09	3.78E-09
3086	562533	4234542	2.31E-08	2.06E-08	4.37E-08	3.92E-09	3.31E-09	7.23E-09	1.87E-08	1.51E-08	3.38E-08	3.06E-09	2.93E-09	5.99E-09	2.28E-09	1.50E-09	3.78E-09
3087	562537.2	4234534	2.31E-08	2.06E-08	4.37E-08	3.92E-09	3.30E-09	7.22E-09	1.86E-08	1.51E-08	3.38E-08	3.05E-09	2.93E-09	5.98E-09	2.28E-09	1.50E-09	3.78E-09
3088	562541.5	4234526	2.30E-08	2.05E-08	4.36E-08	3.91E-09	3.29E-09	7.20E-09	1.86E-08	1.51E-08	3.37E-08	3.05E-09	2.92E-09	5.97E-09	2.27E-09	1.49E-09	3.77E-09
3089	562545.7	4234518	2.29E-08	2.05E-08	4.34E-08	3.89E-09	3.28E-09	7.17E-09	1.85E-08	1.50E-08	3.35E-08	3.03E-09	2.91E-09	5.94E-09	2.26E-09	1.49E-09	3.75E-09
3090	562549.9	4234510	2.28E-08	2.03E-08	4.31E-08	3.87E-09	3.26E-09	7.13E-09	1.84E-08	1.49E-08	3.33E-08	3.01E-09	2.89E-09	5.91E-09	2.25E-09	1.48E-09	3.73E-09

3091	562554.2	4234501	2.26E-08	2.02E-08	4.28E-08	3.84E-09	3.23E-09	7.07E-09	1.83E-08	1.48E-08	3.31E-08	2.99E-09	2.87E-09	5.86E-09	2.23E-09	1.47E-09	3.70E-09
3092	562558.4	4234493	2.24E-08	2.00E-08	4.24E-08	3.80E-09	3.21E-09	7.01E-09	1.81E-08	1.47E-08	3.28E-08	2.96E-09	2.84E-09	5.81E-09	2.21E-09	1.45E-09	3.67E-09
3093	562562.7	4234485	2.22E-08	1.98E-08	4.20E-08	3.76E-09	3.17E-09	6.94E-09	1.79E-08	1.45E-08	3.24E-08	2.93E-09	2.81E-09	5.75E-09	2.19E-09	1.44E-09	3.63E-09
3094	562566.9	4234477	2.19E-08	1.96E-08	4.15E-08	3.72E-09	3.14E-09	6.86E-09	1.77E-08	1.43E-08	3.21E-08	2.90E-09	2.78E-09	5.68E-09	2.17E-09	1.42E-09	3.59E-09
3095	562571.1	4234469	2.17E-08	1.93E-08	4.10E-08	3.67E-09	3.10E-09	6.77E-09	1.75E-08	1.42E-08	3.16E-08	2.86E-09	2.75E-09	5.61E-09	2.14E-09	1.40E-09	3.54E-09
3096	562575.4	4234460	2.14E-08	1.91E-08	4.04E-08	3.62E-09	3.05E-09	6.68E-09	1.72E-08	1.40E-08	3.12E-08	2.82E-09	2.71E-09	5.53E-09	2.11E-09	1.38E-09	3.49E-09
3097	562579.6	4234452	2.10E-08	1.88E-08	3.98E-08	3.57E-09	3.01E-09	6.58E-09	1.70E-08	1.38E-08	3.08E-08	2.78E-09	2.67E-09	5.45E-09	2.08E-09	1.36E-09	3.44E-09
3098	562583.9	4234444	2.07E-08	1.85E-08	3.92E-08	3.52E-09	2.97E-09	6.48E-09	1.67E-08	1.36E-08	3.03E-08	2.74E-09	2.63E-09	5.37E-09	2.05E-09	1.34E-09	3.39E-09
3099	562588.1	4234436	2.04E-08	1.82E-08	3.86E-08	3.46E-09	2.92E-09	6.38E-09	1.65E-08	1.34E-08	2.98E-08	2.70E-09	2.59E-09	5.29E-09	2.02E-09	1.32E-09	3.34E-09
3100	562592.3	4234428	2.01E-08	1.79E-08	3.80E-08	3.41E-09	2.88E-09	6.29E-09	1.62E-08	1.32E-08	2.94E-08	2.66E-09	2.55E-09	5.21E-09	1.99E-09	1.30E-09	3.29E-09
3101	562596.6	4234419	1.98E-08	1.77E-08	3.75E-08	3.36E-09	2.83E-09	6.19E-09	1.60E-08	1.30E-08	2.89E-08	2.62E-09	2.51E-09	5.13E-09	1.96E-09	1.28E-09	3.24E-09
3102	562600.8	4234411	1.95E-08	1.74E-08	3.69E-08	3.31E-09	2.79E-09	6.10E-09	1.58E-08	1.28E-08	2.85E-08	2.58E-09	2.48E-09	5.06E-09	1.93E-09	1.26E-09	3.19E-09
3103	562605.1	4234403	1.93E-08	1.72E-08	3.64E-08	3.27E-09	2.75E-09	6.02E-09	1.56E-08	1.26E-08	2.82E-08	2.55E-09	2.44E-09	4.99E-09	1.90E-09	1.25E-09	3.15E-09
3104	562609.3	4234395	1.90E-08	1.70E-08	3.60E-08	3.23E-09	2.72E-09	5.95E-09	1.54E-08	1.25E-08	2.78E-08	2.52E-09	2.42E-09	4.93E-09	1.88E-09	1.23E-09	3.11E-09
3105	562613.5	4234387	1.89E-08	1.68E-08	3.57E-08	3.20E-09	2.70E-09	5.89E-09	1.52E-08	1.23E-08	2.76E-08	2.49E-09	2.39E-09	4.89E-09	1.86E-09	1.22E-09	3.08E-09
3106	562617.8	4234378	1.86E-08	1.66E-08	3.52E-08	3.16E-09	2.66E-09	5.82E-09	1.50E-08	1.22E-08	2.72E-08	2.46E-09	2.36E-09	4.82E-09	1.84E-09	1.21E-09	3.04E-09
3107	562622	4234370	1.84E-08	1.64E-08	3.49E-08	3.13E-09	2.63E-09	5.76E-09	1.49E-08	1.21E-08	2.69E-08	2.44E-09	2.34E-09	4.77E-09	1.82E-09	1.19E-09	3.01E-09
3108	562626.3	4234362	1.83E-08	1.63E-08	3.46E-08	3.10E-09	2.62E-09	5.72E-09	1.48E-08	1.20E-08	2.67E-08	2.42E-09	2.32E-09	4.74E-09	1.81E-09	1.19E-09	2.99E-09
3109	562630.5	4234354	1.82E-08	1.63E-08	3.45E-08	3.09E-09	2.61E-09	5.70E-09	1.47E-08	1.19E-08	2.66E-08	2.41E-09	2.31E-09	4.72E-09	1.80E-09	1.18E-09	2.98E-09
3110	562634.7	4234346	1.82E-08	1.62E-08	3.44E-08	3.09E-09	2.60E-09	5.69E-09	1.47E-08	1.19E-08	2.66E-08	2.41E-09	2.31E-09	4.72E-09	1.80E-09	1.18E-09	2.98E-09
3111	562639	4234337	1.82E-08	1.63E-08	3.45E-08	3.09E-09	2.61E-09	5.70E-09	1.47E-08	1.19E-08	2.67E-08	2.41E-09	2.31E-09	4.72E-09	1.80E-09	1.18E-09	2.98E-09
3112	562643.2	4234329	1.83E-08	1.63E-08	3.47E-08	3.11E-09	2.62E-09	5.73E-09	1.48E-08	1.20E-08	2.68E-08	2.42E-09	2.32E-09	4.75E-09	1.81E-09	1.19E-09	3.00E-09
3113	562647.5	4234321	1.86E-08	1.66E-08	3.52E-08	3.16E-09	2.66E-09	5.82E-09	1.50E-08	1.22E-08	2.72E-08	2.46E-09	2.36E-09	4.82E-09	1.84E-09	1.21E-09	3.04E-09
3114	562651.7	4234313	1.90E-08	1.70E-08	3.60E-08	3.23E-09	2.72E-09	5.94E-09	1.54E-08	1.24E-08	2.78E-08	2.51E-09	2.41E-09	4.93E-09	1.88E-09	1.23E-09	3.11E-09
3115	562655.9	4234305	1.95E-08	1.74E-08	3.69E-08	3.31E-09	2.79E-09	6.10E-09	1.57E-08	1.28E-08	2.85E-08	2.58E-09	2.48E-09	5.05E-09	1.93E-09	1.26E-09	3.19E-09
3116	562660.2	4234296	2.00E-08	1.78E-08	3.78E-08	3.39E-09	2.86E-09	6.25E-09	1.61E-08	1.31E-08	2.92E-08	2.64E-09	2.54E-09	5.18E-09	1.98E-09	1.30E-09	3.27E-09
3117	562664.4	4234288	2.05E-08	1.83E-08	3.88E-08	3.48E-09	2.94E-09	6.42E-09	1.66E-08	1.34E-08	3.00E-08	2.72E-09	2.61E-09	5.32E-09	2.03E-09	1.33E-09	3.36E-09
3118	562668.7	4234280	2.11E-08	1.88E-08	3.99E-08	3.58E-09	3.02E-09	6.60E-09	1.70E-08	1.38E-08	3.09E-08	2.79E-09	2.68E-09	5.47E-09	2.08E-09	1.37E-09	3.45E-09
3119	562672.9	4234272	2.17E-08	1.94E-08	4.11E-08	3.68E-09	3.10E-09	6.79E-09	1.75E-08	1.42E-08	3.17E-08	2.87E-09	2.75E-09	5.63E-09	2.14E-09	1.41E-09	3.55E-09
3120	562677.1	4234264	2.23E-08	1.99E-08	4.21E-08	3.78E-09	3.18E-09	6.96E-09	1.80E-08	1.46E-08	3.25E-08	2.94E-09	2.82E-09	5.77E-09	2.20E-09	1.44E-09	3.64E-09
3121	562681.4	4234255	2.28E-08	2.03E-08	4.31E-08	3.87E-09	3.26E-09	7.13E-09	1.84E-08	1.49E-08	3.33E-08	3.02E-09	2.89E-09	5.91E-09	2.25E-09	1.48E-09	3.73E-09
3122	562685.6	4234247	2.34E-08	2.08E-08	4.42E-08	3.97E-09	3.34E-09	7.31E-09	1.89E-08	1.53E-08	3.42E-08	3.09E-09	2.97E-09	6.06E-09	2.31E-09	1.51E-09	3.82E-09
3123	562689.9	4234239	2.40E-08	2.14E-08	4.53E-08	4.06E-09	3.43E-09	7.49E-09	1.93E-08	1.57E-08	3.50E-08	3.17E-09	3.04E-09	6.21E-09	2.37E-09	1.55E-09	3.92E-09
3124	562694.1	4234231	2.45E-08	2.19E-08	4.64E-08	4.17E-09	3.51E-09	7.68E-09	1.98E-08	1.61E-08	3.59E-08	3.25E-09	3.11E-09	6.36E-09	2.42E-09	1.59E-09	4.02E-09
3125	562698.3	4234223	2.52E-08	2.24E-08	4.76E-08	4.27E-09	3.60E-09	7.87E-09	2.03E-08	1.65E-08	3.68E-08	3.33E-09	3.19E-09	6.52E-09	2.48E-09	1.63E-09	4.11E-09
3126	562702.6	4234214	2.58E-08	2.30E-08	4.87E-08	4.37E-09	3.68E-09	8.06E-09	2.08E-08	1.69E-08	3.77E-08	3.41E-09	3.27E-09	6.68E-09	2.54E-09	1.67E-09	4.21E-09
3127	562706.8	4234206	2.64E-08	2.35E-08	4.99E-08	4.48E-09	3.77E-09	8.25E-09	2.13E-08	1.73E-08	3.86E-08	3.49E-09	3.35E-09	6.83E-09	2.60E-09	1.71E-09	4.31E-09
3128	562711	4234198	2.70E-08	2.41E-08	5.11E-08	4.58E-09	3.86E-09	8.44E-09	2.18E-08	1.77E-08	3.94E-08	3.57E-09	3.42E-09	6.99E-09	2.67E-09	1.75E-09	4.41E-09
3129	562724.1	4234187	2.87E-08	2.56E-08	5.43E-08	4.87E-09	4.10E-09	8.97E-09	2.32E-08	1.88E-08	4.19E-08	3.79E-09	3.64E-09	7.43E-09	2.83E-09	1.86E-09	4.69E-09
3130	562732.9	4234184	2.98E-08	2.66E-08	5.64E-08	5.06E-09	4.26E-09	9.32E-09	2.41E-08	1.95E-08	4.36E-08	3.94E-09	3.78E-09	7.72E-09	2.94E-09	1.93E-09	4.87E-09
3131	562741.7	4234181	3.09E-08	2.76E-08	5.85E-08	5.25E-09	4.43E-09	9.68E-09	2.50E-08	2.02E-08	4.52E-08	4.09E-09	3.93E-09	8.02E-09	3.06E-09	2.01E-09	5.06E-09
3132	562750.5	4234179	3.21E-08	2.86E-08	6.08E-08	5.45E-09	4.59E-09	1.00E-08	2.59E-08	2.10E-08	4.69E-08	4.25E-09	4.07E-09	8.32E-09	3.17E-09	2.08E-09	5.25E-09
3133	562759.2	4234176	3.33E-08	2.97E-08	6.30E-08	5.65E-09	4.76E-09	1.04E-08	2.69E-08	2.18E-08	4.87E-08	4.41E-09	4.23E-09	8.63E-09	3.29E-09	2.16E-09	5.45E-09
3134	562768	4234173	3.45E-08	3.08E-08	6.53E-08	5.86E-09	4.94E-09	1.08E-08	2.79E-08	2.26E-08	5.05E-08	4.57E-09	4.38E-09	8.95E-09	3.41E-09	2.24E-09	5.65E-09
3135	562776.8	4234170	3.57E-08	3.19E-08	6.76E-08	6.07E-09	5.11E-09	1.12E-08	2.89E-08	2.34E-08	5.23E-08	4.73E-09	4.54E-09	9.26E-09	3.53E-09	2.32E-09	5.85E-09
3136	562785.6	4234167	3.70E-08	3.30E-08	7.00E-08	6.27E-09	5.29E-09	1.16E-08	2.99E-08	2.42E-08	5.41E-08	4.89E-09	4.69E-09	9.58E-09	3.65E-09	2.40E-09	6.05E-09
3137	562794.4	4234165	3.82E-08	3.41E-08	7.23E-08	6.48E-09	5.46E-09	1.19E-08	3.08E-08	2.50E-08	5.58E-08	5.05E-09	4.85E-09	9.90E-09	3.77E-09	2.48E-09	6.25E-09
3138	562803.2	4234162	3.94E-08	3.52E-08	7.46E-08	6.69E-09	5.64E-09	1.23E-08	3.18E-08	2.58E-08	5.76E-08	5.21E-09	5.00E-09	1.02E-08	3.89E-09	2.55E-09	6.45E-09
3139	562812	4234159	4.06E-08	3.62E-08	7.68E-08	6.89E-09	5.81E-09	1.27E-08	3.28E-08	2.66E-08	5.93E-08	5.37E-09	5.15E-09	1.05E-08	4.01E-09	2.63E-09	6.64E-09
3140	562820.8	4234156	4.17E-08	3.72E-08	7.90E-08	7.08E-09	5.97E-09	1.31E-08	3.37E-08	2.73E-08	6.10E-08	5.52E-09	5.30E-09	1.08E-08	4.12E-09	2.71E-09	6.83E-09
3141	562829.6	4234153	4.28E-08	3.82E-08	8.11E-08	7.27E-09	6.13E-09	1.34E-08	3.46E-08	2.80E-08	6.26E-08	5.67E-09	5.44E-09	1.11E-08	4.23E-09	2.78E-09	7.01E-09
3142	562838.4	4234150	4.39E-08	3.91E-08	8.30E-08	7.44E-09	6.27E-09	1.37E-08	3.54E-08	2.87E-08	6.41E-08	5.80E-09	5.57E-09	1.14E-08	4.33E-09	2.84E-09	7.18E-09
3143	562847.1	4234148	4.48E-08	4.00E-08	8.48E-08	7.61E-09	6.41E-09	1.40E-08	3.62E-08	2.93E-08	6.55E-08	5.93E-09	5.69E-09	1.16E-08	4.43E-09	2.91E-09	7.33E-09
3144	562855.9	4234145	4.57E-08	4.08E-08	8.65E-08	7.75E-09	6.54E-09	1.43E-08	3.69E-08	2.99E-08	6.68E-08	6.04E-09	5.80E-09	1.18E-08	4.51E-09	2.96E-09	7.48E-09
3145	562864.7	4234142	4.65E-08	4.15E-08	8.79E-08	7.88E-09	6.65E-09	1.45E-08	3.75E-08	3.04E-08	6.79E-08	6.15E-09	5.90E-09	1.20E-08	4.59E-09	3.01E-09	7.60E-09
3146	562873.5	4234139	4.71E-08	4.20E-08	8.91E-08	7.99E-09	6.74E-09	1.47E-08	3.80E-08	3.08E-08	6.89E-08	6.23E-09	5.98E-09	1.22E-08	4.65E-09	3.05E-09	7.71E-09
3147	562882.3	4234136	4.76E-08	4.25E-08	9.01E-08	8.08E-09	6.81E-09	1.49E-08	3.85E-08	3.12E-08	6.96E-08	6.30E-09	6.04E-09	1.23E-08	4.70E-09	3.09E-09	7.79E-09
3148	562891.1	4234134	4.80E-08	4.28E-08	9.08E-08	8.15E-09	6.87E-09	1.50E-08	3.88E-08	3.14E-08	7.02E-08	6.35E-09	6.09E-09	1.24E-08	4.74E-09	3.11E-09	7.85E-09
3149	562899.9	4234131	4.82E-08	4.30E-08	9.13E-08	8.19E-09	6.90E-09	1.51E-08	3.90E-08	3.16E-08	7.05E-08	6.38E-09	6.12E-09	1.25E-08	4.76E-09	3.13E-09	7.89E-09
3150	562908.7	4234128	4.83E-08	4.31E-08	9.14E-08	8.20E-09	6.91E-09	1.51E-08	3.90E-08	3.16E-08	7.06E-08	6.39E-09	6.13E-09	1.25E-08	4.77E-09	3.13E-09	7.90E-09
3151	562917.5	4234125	4.82E-08	4.30E-08	9.13E-08	8.18E-09	6.90E-09	1.51E-08	3.89E-08	3.16E-08	7.05E-08	6.38E-09	6.12E-09	1.25E-08	4.76E-09	3.13E-09	7.89E-09
3152	562926.3	4234122	4.80E-08	4.28E-08	9.08E-08	8.14E-09	6.86E-09	1.50E-08	3.88E-08	3.14E-08	7.02E-08	6.35E-09	6.09E-09	1.24E-08	4.74E-09	3.11E-09	7.85E-09
3153	562935.1	4234120	4.76E-08	4.25E-08	9.01E-08	8.08E-09	6.81E-09	1.49E-08	3.84E-08	3.11E-08	6.96E-08	6.29E-09	6.04E-09	1.23E-08	4.70E-09	3.08E-09	7.79E-09
3154	562943.8	4234117	4.70E-08	4.20E-08	8.90E-08	7.98E-09	6.73E-09	1.47E-08	3.80E-08	3.08E-08	6.88E-08	6.22E-09	5.97E-09	1.22E-08	4.65E-09	3.05E-09	7.70E-09
3155	562952.6	4234114	4.63E-08	4.13E-08	8.77E-08	7.86E-09	6.63E-09	1.45E-08	3.74E-08	3.03E-08	6.78E-08	6.13E-09	5.88E-09	1.20E-08	4.58E-09	3.00E-09	7.58E-09
3156	562961.4	4234111	4.55E-08	4.06E-08	8.61E-08	7.72E-09	6.51E-09	1.42E-08	3.68E-08	2.98E-08	6.65E-08	6.02E-09	5.78E-09	1.18E-08	4.50E-09	2.95E-09	7.45E-09
3157	562987.8	4234103	4.23E-08	3.78E-08	8.01E-08	7.18E-09	6.05E-09	1.32E-08	3.42E-08	2.77E-08	6.19E-08	5.60E-09	5.37E-09	1.10E-08	4.18E-09	2.74E-09	6.92E-09
3158	562996.6	4234100	4.11E-08	3.67E-08	7.78E-08	6.97E-09	5.88E-09	1.28E-08	3.32E-08	2.69E-08	6.01E-08	5.43E-09	5.21E-09	1.06E-08	4.06E-09	2.66E-09	6.72E-09
3159	563005.4	4234097	3.98E-08	3.55E-08	7.52E-08	6.74E-09	5.68E-09	1.24E-08	3.21E-08	2.60E-08	5.81E-08	5.26E-09	5.04E-09	1.03E-08	3.93E-09	2.58E-09	6.50E-09
3160	563014.2	4234094	3.82E-08	3.41E-08	7.23E-08	6.48E-09	5.46E-09	1.19E-08	3.09E-08	2.50E-08	5.59E-08	5.05E-09	4.85E-09	9.90E-09	3.77E-09	2.48E-09	6.25E-09
3161	563023	4234091	3.67E-08	3.27E-08	6.94E-08	6.22E-09	5.24E-09	1.15E-08	2.96E-08	2.40E-08	5.36E-08	4.85E-09	4.65E-09	9.50E-09	3.62E-09	2.38E-09	6.00E-09
3162	563031.8	4234089	3.51E-08	3.13E-08	6.64E-08	5.95E-09	5.02E-09	1.10E-08	2.83E-08	2.30E-08	5.13E-08	4.64E-09	4.45E-09	9.09E-09	3.47E-09	2.27E-09	5.74E-09
3163	563040.5	4234086	3.37E-08	3.00E-08	6.37E-08	5.72E-09	4.82E-09	1.05E-08	2.72E-08	2.20E-08	4.92E-08	4.45E-09	4.27E-09	8.73E-09	3.33E-09	2.18E-09	5.51E-09
3164	563049.3	4234083	3.23E-08	2.88E-08	6.12E-08	5.49E-09	4.62E-09	1.01E-08	2.61E-08	2.12E-08	4.73E-08	4.28E-09	4.10E-09	8.38E-09	3.19E-09	2.10E-09	5.29E-09
3165	563058.1	4234080	3.10E-08	2.76E-08	5.86E-08	5.26E-09	4.43E-09	9.69E-09	2.50E-08	2.03E-08	4.53E-08	4.10E-09	3.93E-09	8.03E-09	3.06E-09	2.01E-09	5.07E-09
3166	563066.9	4234077	2.97E-08	2.65E-08	5.62E-08	5.04E-09	4.25E-09	9.29E-09	2.40E-08	1.94E-08	4.34E-08	3.93E-09	3.77E-09	7.69E-09	2.93E-09	1.92E-09	4.86E-09
3167	563075.7	4234075	2.84E-08	2.54E-08	5.38E-08	4.83E-09	4.07E-09	8.89E-09	2.30E-08	1.86E-08	4.16E-08	3.76E-09	3.61E-09	7.37E-09	2.81E-09	1.84E-09	4.65E-09
3168	563084.5	4234072	2.72E-08	2.43E-08	5.15E-08	4.62E-09	3.89E-09	8.51E-09	2.20E-08	1.78E-08	3.98E-08	3.60E-09	3.45E-09	7.06E-09	2.69E-09	1.76E-09	4.45E-09
3169	563093.3	4234069	2.61E-08	2.33E-08	4.93E-08	4.42E-09	3.73E-09	8.15E-09	2.11E-08	1.71E-08	3.81E-08	3.45E-09	3.31E-09	6.76E-09	2.58E-09	1.69E-09	4.26E-09
3170	563102.1	4234066	2.50E-08	2.23E-08	4.73E-08	4.24E-09	3.57E-09	7.81E-09	2.02E-08	1.63E-08	3.65E-08	3.30E-09	3.17E-09	6.47E-09	2.47E-09	1.62E-09	4.09E-09
3171	563110.9	4234063	2.39E-08	2.14E-08	4.53E-08	4.06E-09	3.42E-09	7.49E-09	1.93E-08	1.57E-08	3.50E-08	3.17E-09	3.04E-09	6.21E-09	2.37E-09	1.55E-09	3.92E-09
3172	563119.7	4234060	2.30E-08	2.05E-08	4.35E-08	3.90E-09	3.29E-09	7.19E-09	1.86E-08	1.50E-08	3.36E-08	3.04E-09	2.92E-09	5.96E-09	2.27E-09	1.49E-09	3.76E-09
3173	563128.5	4234058	2.21E-08	1.97E-08	4.18E-08	3.75E-09	3.16E-09	6.91E-09	1.78E-08	1.45E-08	3.23E-08	2.92E-09	2.80E-09	5.72E-09	2.18E-09	1.43E-09	3.61E-09
3174	562511.8	4234583	2.25E-08	2.00E-08	4.25E-08	3.81E-09	3.21E-09	7.02E-09	1.81E-08	1.47E-08	3.28E-08	2.97E-09	2.85E-09	5.82E-09	2.22E-09	1.46E-09	3.67E-09
3175	562511	4234593	2.23E-08	1.99E-08	4.23E-08	3.79E-09	3.19E-09	6.99E-09	1.80E-08	1.46E-08	3.27E-08	2.95E-09	2.83E-09	5.79E-09	2.21E-09	1.45E-09	3.65E-09
3176	562510.2	4234602	2.22E-08	1.98E-08	4.19E-08	3.76E-09	3.17E-09	6.93E-09	1.79E-08	1.45E-08	3.24E-08	2.93E-09	2.81E-09	5.74E-09	2.19E-09	1.44E-09	3.63E-09
3177	562509.4	4234611	2.19E-08	1.96E-08	4.15E-08	3.72E-09	3.14E-09	6.86E-09	1.77E-08	1.44E-08	3.21E-08	2.90E-09	2.78E-09	5.68E-09	2.17E-09	1.42E-09	3.59E-09
3178	562508.6	4234621	2.17E-08	1.93E-08	4.10E-08	3.67E-09	3.10E-09	6.77E-09	1.75E-08	1.42E-08	3.17E-08	2.86E-09	2.75E-09	5.61E-09	2.14E-09	1.40E-09	3.54E-09
3179	562507.8	4234630	2.13E-08	1.90E-08	4.03E-08	3.62E-09	3.05E-09	6.67E-09	1.72E-08	1.40E-08	3.12E-08	2.82E-09	2.71E-09	5.53E-09	2.11E-09	1.38E-09	3.49E-09
3180	562507	4234639	2.10E-08	1.87E-08	3.96E-08	3.55E-09	3.00E-09	6.55E-09	1.69E-08	1.37E-08	3.06E-08	2.77E-09	2.66E-09	5.43E-09	2.07E-09	1.36E-09	3.43E-09
3181	562506.2	4234649	2.05E-08	1.83E-08	3.89E-08	3.48E-09	2.94E-09	6.42E-09	1.66E-08	1.34E-08	3.00E-08	2.72E-09	2.61E-09	5.32E-09	2.03E-09	1.33E-09	3.36E-09

3182	562505.4	4234658	2.01E-08	1.79E-08	3.80E-08	3.41E-09	2.87E-09	6.28E-09	1.62E-08	1.31E-08	2.94E-08	2.66E-09	2.55E-09	5.21E-09	1.98E-09	1.30E-09	3.29E-09
3183	562504.6	4234667	1.96E-08	1.75E-08	3.71E-08	3.33E-09	2.81E-09	6.13E-09	1.58E-08	1.28E-08	2.87E-08	2.59E-09	2.49E-09	5.08E-09	1.94E-09	1.27E-09	3.21E-09
3184	562503.8	4234677	1.91E-08	1.71E-08	3.62E-08	3.24E-09	2.73E-09	5.98E-09	1.54E-08	1.25E-08	2.79E-08	2.53E-09	2.43E-09	4.95E-09	1.89E-09	1.24E-09	3.13E-09
3185	562503	4234686	1.86E-08	1.66E-08	3.52E-08	3.16E-09	2.66E-09	5.82E-09	1.50E-08	1.22E-08	2.72E-08	2.46E-09	2.36E-09	4.82E-09	1.84E-09	1.21E-09	3.04E-09
3186	562502.2	4234695	1.81E-08	1.61E-08	3.42E-08	3.06E-09	2.58E-09	5.65E-09	1.46E-08	1.18E-08	2.64E-08	2.39E-09	2.29E-09	4.68E-09	1.78E-09	1.17E-09	2.95E-09
3187	562476.2	4234572	2.09E-08	1.86E-08	3.95E-08	3.54E-09	2.98E-09	6.52E-09	1.68E-08	1.37E-08	3.05E-08	2.76E-09	2.65E-09	5.41E-09	2.06E-09	1.35E-09	3.41E-09
3188	562480.5	4234563	2.11E-08	1.88E-08	3.98E-08	3.57E-09	3.01E-09	6.58E-09	1.70E-08	1.38E-08	3.08E-08	2.78E-09	2.67E-09	5.46E-09	2.08E-09	1.36E-09	3.44E-09
3189	562484.7	4234555	2.12E-08	1.89E-08	4.01E-08	3.60E-09	3.03E-09	6.63E-09	1.71E-08	1.39E-08	3.10E-08	2.81E-09	2.69E-09	5.50E-09	2.10E-09	1.37E-09	3.47E-09
3190	562489	4234547	2.13E-08	1.90E-08	4.03E-08	3.62E-09	3.05E-09	6.67E-09	1.72E-08	1.40E-08	3.12E-08	2.82E-09	2.71E-09	5.53E-09	2.11E-09	1.38E-09	3.49E-09
3191	562493.3	4234539	2.14E-08	1.91E-08	4.05E-08	3.63E-09	3.06E-09	6.69E-09	1.73E-08	1.40E-08	3.13E-08	2.83E-09	2.71E-09	5.54E-09	2.11E-09	1.39E-09	3.50E-09
3192	562497.5	4234530	2.14E-08	1.91E-08	4.05E-08	3.63E-09	3.06E-09	6.70E-09	1.73E-08	1.40E-08	3.13E-08	2.83E-09	2.72E-09	5.55E-09	2.11E-09	1.39E-09	3.50E-09
3193	562501.8	4234522	2.14E-08	1.91E-08	4.05E-08	3.63E-09	3.06E-09	6.69E-09	1.73E-08	1.40E-08	3.13E-08	2.83E-09	2.72E-09	5.54E-09	2.11E-09	1.39E-09	3.50E-09
3194	562506	4234514	2.13E-08	1.90E-08	4.04E-08	3.62E-09	3.05E-09	6.67E-09	1.72E-08	1.40E-08	3.12E-08	2.82E-09	2.71E-09	5.53E-09	2.11E-09	1.38E-09	3.49E-09
3195	562510.3	4234506	2.12E-08	1.90E-08	4.02E-08	3.61E-09	3.04E-09	6.64E-09	1.72E-08	1.39E-08	3.11E-08	2.81E-09	2.70E-09	5.51E-09	2.10E-09	1.38E-09	3.48E-09
3196	562514.6	4234497	2.11E-08	1.88E-08	4.00E-08	3.58E-09	3.02E-09	6.60E-09	1.71E-08	1.38E-08	3.09E-08	2.79E-09	2.68E-09	5.47E-09	2.09E-09	1.37E-09	3.45E-09
3197	562518.8	4234489	2.10E-08	1.87E-08	3.97E-08	3.56E-09	3.00E-09	6.55E-09	1.69E-08	1.37E-08	3.06E-08	2.77E-09	2.66E-09	5.43E-09	2.07E-09	1.36E-09	3.43E-09
3198	562523.1	4234481	2.08E-08	1.85E-08	3.93E-08	3.52E-09	2.97E-09	6.50E-09	1.68E-08	1.36E-08	3.04E-08	2.75E-09	2.64E-09	5.38E-09	2.05E-09	1.35E-09	3.40E-09
3199	562527.4	4234473	2.06E-08	1.83E-08	3.89E-08	3.49E-09	2.94E-09	6.43E-09	1.66E-08	1.35E-08	3.00E-08	2.72E-09	2.61E-09	5.33E-09	2.03E-09	1.33E-09	3.36E-09
3200	562531.6	4234465	2.03E-08	1.81E-08	3.84E-08	3.45E-09	2.91E-09	6.35E-09	1.64E-08	1.33E-08	2.97E-08	2.69E-09	2.58E-09	5.26E-09	2.01E-09	1.32E-09	3.32E-09
3201	562535.9	4234456	2.01E-08	1.79E-08	3.79E-08	3.40E-09	2.87E-09	6.27E-09	1.62E-08	1.31E-08	2.93E-08	2.65E-09	2.54E-09	5.20E-09	1.98E-09	1.30E-09	3.28E-09
3202	562540.2	4234448	1.98E-08	1.76E-08	3.74E-08	3.35E-09	2.83E-09	6.18E-09	1.60E-08	1.29E-08	2.89E-08	2.61E-09	2.51E-09	5.12E-09	1.95E-09	1.28E-09	3.23E-09
3203	562544.4	4234440	1.95E-08	1.74E-08	3.68E-08	3.30E-09	2.79E-09	6.09E-09	1.57E-08	1.27E-08	2.85E-08	2.58E-09	2.47E-09	5.05E-09	1.92E-09	1.26E-09	3.19E-09
3204	562548.7	4234432	1.92E-08	1.71E-08	3.63E-08	3.25E-09	2.74E-09	5.99E-09	1.55E-08	1.25E-08	2.80E-08	2.54E-09	2.43E-09	4.97E-09	1.89E-09	1.24E-09	3.14E-09
3205	562553	4234423	1.89E-08	1.68E-08	3.57E-08	3.20E-09	2.70E-09	5.90E-09	1.52E-08	1.23E-08	2.76E-08	2.49E-09	2.39E-09	4.89E-09	1.86E-09	1.22E-09	3.08E-09
3206	562557.2	4234415	1.86E-08	1.65E-08	3.51E-08	3.15E-09	2.65E-09	5.80E-09	1.50E-08	1.21E-08	2.71E-08	2.45E-09	2.35E-09	4.81E-09	1.83E-09	1.20E-09	3.03E-09
3207	562561.5	4234407	1.82E-08	1.63E-08	3.45E-08	3.10E-09	2.61E-09	5.71E-09	1.47E-08	1.19E-08	2.67E-08	2.41E-09	2.32E-09	4.73E-09	1.80E-09	1.18E-09	2.98E-09
3208	562565.8	4234399	1.80E-08	1.60E-08	3.40E-08	3.05E-09	2.57E-09	5.62E-09	1.45E-08	1.18E-08	2.63E-08	2.37E-09	2.28E-09	4.65E-09	1.77E-09	1.16E-09	2.94E-09
3209	562570	4234390	1.77E-08	1.58E-08	3.35E-08	3.00E-09	2.53E-09	5.53E-09	1.43E-08	1.16E-08	2.59E-08	2.34E-09	2.24E-09	4.58E-09	1.75E-09	1.15E-09	2.89E-09
3210	562574.3	4234382	1.74E-08	1.56E-08	3.30E-08	2.96E-09	2.50E-09	5.46E-09	1.41E-08	1.14E-08	2.55E-08	2.31E-09	2.21E-09	4.52E-09	1.72E-09	1.13E-09	2.85E-09
3211	562578.6	4234374	1.72E-08	1.54E-08	3.26E-08	2.92E-09	2.47E-09	5.39E-09	1.39E-08	1.13E-08	2.52E-08	2.28E-09	2.19E-09	4.47E-09	1.70E-09	1.12E-09	2.82E-09
3212	562582.8	4234366	1.71E-08	1.52E-08	3.23E-08	2.90E-09	2.44E-09	5.34E-09	1.38E-08	1.12E-08	2.49E-08	2.26E-09	2.17E-09	4.42E-09	1.69E-09	1.11E-09	2.79E-09
3213	562587.1	4234357	1.69E-08	1.51E-08	3.20E-08	2.87E-09	2.42E-09	5.30E-09	1.37E-08	1.11E-08	2.48E-08	2.24E-09	2.15E-09	4.39E-09	1.67E-09	1.10E-09	2.77E-09
3214	562591.4	4234349	1.69E-08	1.50E-08	3.19E-08	2.86E-09	2.41E-09	5.27E-09	1.36E-08	1.10E-08	2.46E-08	2.23E-09	2.14E-09	4.37E-09	1.66E-09	1.09E-09	2.76E-09
3215	562595.6	4234341	1.68E-08	1.50E-08	3.18E-08	2.85E-09	2.40E-09	5.26E-09	1.36E-08	1.10E-08	2.46E-08	2.22E-09	2.13E-09	4.36E-09	1.66E-09	1.09E-09	2.75E-09
3216	562599.9	4234333	1.68E-08	1.50E-08	3.18E-08	2.85E-09	2.40E-09	5.25E-09	1.36E-08	1.10E-08	2.45E-08	2.22E-09	2.13E-09	4.35E-09	1.66E-09	1.09E-09	2.75E-09
3217	562604.2	4234324	1.67E-08	1.49E-08	3.17E-08	2.84E-09	2.39E-09	5.23E-09	1.35E-08	1.10E-08	2.45E-08	2.21E-09	2.12E-09	4.34E-09	1.65E-09	1.08E-09	2.74E-09
3218	562608.4	4234316	1.67E-08	1.49E-08	3.16E-08	2.83E-09	2.39E-09	5.22E-09	1.35E-08	1.09E-08	2.44E-08	2.21E-09	2.12E-09	4.32E-09	1.65E-09	1.08E-09	2.73E-09
3219	562612.7	4234308	1.66E-08	1.48E-08	3.14E-08	2.82E-09	2.38E-09	5.20E-09	1.34E-08	1.09E-08	2.43E-08	2.20E-09	2.11E-09	4.31E-09	1.64E-09	1.08E-09	2.72E-09
3220	562617	4234300	1.68E-08	1.50E-08	3.17E-08	2.85E-09	2.40E-09	5.25E-09	1.35E-08	1.10E-08	2.45E-08	2.22E-09	2.13E-09	4.35E-09	1.66E-09	1.09E-09	2.74E-09
3221	562621.2	4234291	1.70E-08	1.52E-08	3.22E-08	2.89E-09	2.44E-09	5.33E-09	1.38E-08	1.11E-08	2.49E-08	2.25E-09	2.16E-09	4.41E-09	1.68E-09	1.10E-09	2.79E-09
3222	562625.5	4234283	1.73E-08	1.55E-08	3.28E-08	2.94E-09	2.48E-09	5.42E-09	1.40E-08	1.13E-08	2.53E-08	2.29E-09	2.20E-09	4.49E-09	1.71E-09	1.12E-09	2.83E-09
3223	562629.8	4234275	1.77E-08	1.58E-08	3.34E-08	3.00E-09	2.53E-09	5.52E-09	1.43E-08	1.16E-08	2.58E-08	2.33E-09	2.24E-09	4.58E-09	1.74E-09	1.14E-09	2.89E-09
3224	562634	4234267	1.80E-08	1.61E-08	3.41E-08	3.06E-09	2.58E-09	5.63E-09	1.46E-08	1.18E-08	2.63E-08	2.38E-09	2.29E-09	4.67E-09	1.78E-09	1.17E-09	2.95E-09
3225	562638.3	4234258	1.84E-08	1.64E-08	3.48E-08	3.12E-09	2.63E-09	5.76E-09	1.49E-08	1.21E-08	2.69E-08	2.44E-09	2.34E-09	4.77E-09	1.82E-09	1.19E-09	3.01E-09
3226	562642.5	4234250	1.88E-08	1.68E-08	3.56E-08	3.20E-09	2.69E-09	5.89E-09	1.52E-08	1.23E-08	2.75E-08	2.49E-09	2.39E-09	4.88E-09	1.86E-09	1.22E-09	3.08E-09
3227	562646.8	4234242	1.94E-08	1.73E-08	3.68E-08	3.30E-09	2.78E-09	6.08E-09	1.57E-08	1.27E-08	2.84E-08	2.57E-09	2.47E-09	5.04E-09	1.92E-09	1.26E-09	3.18E-09
3228	562651.1	4234234	2.01E-08	1.80E-08	3.81E-08	3.42E-09	2.88E-09	6.30E-09	1.63E-08	1.32E-08	2.94E-08	2.66E-09	2.56E-09	5.22E-09	1.99E-09	1.31E-09	3.29E-09
3229	562655.3	4234225	2.08E-08	1.86E-08	3.94E-08	3.53E-09	2.98E-09	6.51E-09	1.68E-08	1.36E-08	3.04E-08	2.75E-09	2.64E-09	5.39E-09	2.05E-09	1.35E-09	3.40E-09
3230	562659.6	4234217	2.14E-08	1.91E-08	4.05E-08	3.64E-09	3.06E-09	6.70E-09	1.73E-08	1.40E-08	3.13E-08	2.83E-09	2.72E-09	5.55E-09	2.12E-09	1.39E-09	3.50E-09
3231	562663.9	4234209	2.20E-08	1.96E-08	4.15E-08	3.73E-09	3.14E-09	6.87E-09	1.77E-08	1.44E-08	3.21E-08	2.90E-09	2.79E-09	5.69E-09	2.17E-09	1.42E-09	3.59E-09
3232	562668.1	4234201	2.25E-08	2.01E-08	4.25E-08	3.82E-09	3.22E-09	7.03E-09	1.82E-08	1.47E-08	3.29E-08	2.97E-09	2.85E-09	5.83E-09	2.22E-09	1.46E-09	3.68E-09
3233	562672.4	4234192	2.30E-08	2.05E-08	4.36E-08	3.91E-09	3.29E-09	7.20E-09	1.86E-08	1.51E-08	3.37E-08	3.04E-09	2.92E-09	5.97E-09	2.27E-09	1.49E-09	3.77E-09
3234	562676.7	4234184	2.36E-08	2.10E-08	4.46E-08	4.00E-09	3.37E-09	7.37E-09	1.90E-08	1.54E-08	3.44E-08	3.12E-09	2.99E-09	6.10E-09	2.33E-09	1.53E-09	3.85E-09
3235	562680.9	4234176	2.41E-08	2.15E-08	4.56E-08	4.09E-09	3.45E-09	7.54E-09	1.95E-08	1.58E-08	3.52E-08	3.19E-09	3.06E-09	6.25E-09	2.38E-09	1.56E-09	3.94E-09
3236	562685.2	4234168	2.46E-08	2.20E-08	4.66E-08	4.18E-09	3.52E-09	7.71E-09	1.99E-08	1.61E-08	3.60E-08	3.26E-09	3.13E-09	6.39E-09	2.43E-09	1.60E-09	4.03E-09
3237	562698.3	4234156	2.61E-08	2.33E-08	4.94E-08	4.43E-09	3.74E-09	8.17E-09	2.11E-08	1.71E-08	3.82E-08	3.46E-09	3.32E-09	6.77E-09	2.58E-09	1.69E-09	4.27E-09
3238	562707.2	4234154	2.71E-08	2.42E-08	5.13E-08	4.60E-09	3.88E-09	8.48E-09	2.19E-08	1.77E-08	3.96E-08	3.59E-09	3.44E-09	7.03E-09	2.68E-09	1.76E-09	4.43E-09
3239	562716	4234151	2.81E-08	2.51E-08	5.32E-08	4.77E-09	4.02E-09	8.79E-09	2.27E-08	1.84E-08	4.11E-08	3.72E-09	3.57E-09	7.29E-09	2.78E-09	1.82E-09	4.60E-09
3240	562724.8	4234148	2.92E-08	2.60E-08	5.52E-08	4.95E-09	4.17E-09	9.12E-09	2.35E-08	1.91E-08	4.26E-08	3.86E-09	3.70E-09	7.55E-09	2.88E-09	1.89E-09	4.77E-09
3241	562733.7	4234145	3.02E-08	2.69E-08	5.72E-08	5.13E-09	4.32E-09	9.44E-09	2.44E-08	1.98E-08	4.42E-08	3.99E-09	3.83E-09	7.83E-09	2.98E-09	1.96E-09	4.94E-09
3242	562742.5	4234142	3.13E-08	2.79E-08	5.92E-08	5.31E-09	4.47E-09	9.78E-09	2.53E-08	2.05E-08	4.57E-08	4.14E-09	3.97E-09	8.10E-09	3.09E-09	2.03E-09	5.12E-09
3243	562751.4	4234139	3.24E-08	2.89E-08	6.12E-08	5.49E-09	4.63E-09	1.01E-08	2.61E-08	2.12E-08	4.73E-08	4.28E-09	4.11E-09	8.39E-09	3.20E-09	2.10E-09	5.29E-09
3244	562760.2	4234137	3.35E-08	2.98E-08	6.33E-08	5.68E-09	4.78E-09	1.05E-08	2.70E-08	2.19E-08	4.89E-08	4.42E-09	4.24E-09	8.67E-09	3.30E-09	2.17E-09	5.47E-09
3245	562769.1	4234134	3.45E-08	3.08E-08	6.54E-08	5.86E-09	4.94E-09	1.08E-08	2.79E-08	2.26E-08	5.05E-08	4.57E-09	4.38E-09	8.95E-09	3.41E-09	2.24E-09	5.65E-09
3246	562777.9	4234131	3.56E-08	3.18E-08	6.74E-08	6.05E-09	5.10E-09	1.11E-08	2.88E-08	2.33E-08	5.21E-08	4.71E-09	4.52E-09	9.24E-09	3.52E-09	2.31E-09	5.83E-09
3247	562786.8	4234128	3.67E-08	3.28E-08	6.95E-08	6.23E-09	5.25E-09	1.15E-08	2.96E-08	2.40E-08	5.37E-08	4.86E-09	4.66E-09	9.51E-09	3.63E-09	2.38E-09	6.01E-09
3248	562795.6	4234125	3.78E-08	3.37E-08	7.15E-08	6.41E-09	5.40E-09	1.18E-08	3.05E-08	2.47E-08	5.52E-08	4.99E-09	4.79E-09	9.79E-09	3.73E-09	2.45E-09	6.18E-09
3249	562804.4	4234123	3.88E-08	3.46E-08	7.34E-08	6.58E-09	5.55E-09	1.21E-08	3.13E-08	2.54E-08	5.67E-08	5.13E-09	4.92E-09	1.01E-08	3.83E-09	2.51E-09	6.34E-09
3250	562813.3	4234120	3.98E-08	3.55E-08	7.52E-08	6.75E-09	5.69E-09	1.24E-08	3.21E-08	2.60E-08	5.81E-08	5.26E-09	5.05E-09	1.03E-08	3.93E-09	2.58E-09	6.50E-09
3251	562822.1	4234117	4.07E-08	3.63E-08	7.70E-08	6.90E-09	5.82E-09	1.27E-08	3.29E-08	2.66E-08	5.95E-08	5.38E-09	5.16E-09	1.05E-08	4.02E-09	2.64E-09	6.66E-09
3252	562831	4234114	4.15E-08	3.71E-08	7.86E-08	7.05E-09	5.94E-09	1.30E-08	3.35E-08	2.72E-08	6.07E-08	5.49E-09	5.27E-09	1.08E-08	4.10E-09	2.69E-09	6.80E-09
3253	562839.8	4234111	4.23E-08	3.78E-08	8.01E-08	7.18E-09	6.05E-09	1.32E-08	3.42E-08	2.77E-08	6.19E-08	5.60E-09	5.37E-09	1.10E-08	4.18E-09	2.74E-09	6.92E-09
3254	562848.7	4234108	4.30E-08	3.84E-08	8.14E-08	7.30E-09	6.15E-09	1.34E-08	3.47E-08	2.81E-08	6.29E-08	5.69E-09	5.46E-09	1.11E-08	4.25E-09	2.79E-09	7.03E-09
3255	562857.5	4234106	4.36E-08	3.89E-08	8.25E-08	7.40E-09	6.23E-09	1.36E-08	3.52E-08	2.85E-08	6.37E-08	5.77E-09	5.53E-09	1.13E-08	4.31E-09	2.83E-09	7.13E-09
3256	562866.4	4234103	4.41E-08	3.93E-08	8.34E-08	7.48E-09	6.30E-09	1.38E-08	3.56E-08	2.88E-08	6.44E-08	5.83E-09	5.59E-09	1.14E-08	4.35E-09	2.86E-09	7.21E-09
3257	562875.2	4234100	4.44E-08	3.96E-08	8.41E-08	7.54E-09	6.35E-09	1.39E-08	3.59E-08	2.91E-08	6.49E-08	5.88E-09	5.64E-09	1.15E-08	4.39E-09	2.88E-09	7.27E-09
3258	562884	4234097	4.47E-08	3.98E-08	8.45E-08	7.58E-09	6.39E-09	1.40E-08	3.61E-08	2.92E-08	6.53E-08	5.91E-09	5.67E-09	1.16E-08	4.41E-09	2.89E-09	7.30E-09
3259	562892.9	4234094	4.48E-08	3.99E-08	8.47E-08	7.59E-09	6.40E-09	1.40E-08	3.61E-08	2.93E-08	6.54E-08	5.92E-09	5.68E-09	1.16E-08	4.42E-09	2.90E-09	7.32E-09
3260	562901.7	4234091	4.47E-08	3.99E-08	8.46E-08	7.59E-09	6.39E-09	1.40E-08	3.61E-08	2.93E-08	6.54E-08	5.91E-09	5.67E-09	1.16E-08	4.42E-09	2.90E-09	7.31E-09
3261	562910.6	4234089	4.45E-08	3.97E-08	8.43E-08	7.56E-09	6.37E-09	1.39E-08	3.60E-08	2.91E-08	6.51E-08	5.89E-09	5.65E-09	1.15E-08	4.40E-09	2.89E-09	7.28E-09
3262	562919.4	4234086	4.42E-08	3.94E-08	8.37E-08	7.50E-09	6.32E-09	1.38E-08	3.57E-08	2.89E-08	6.46E-08	5.85E-09	5.61E-09	1.15E-08	4.37E-09	2.87E-09	7.23E-09
3263	562928.3	4234083	4.38E-08	3.90E-08	8.28E-08	7.43E-09	6.26E-09	1.37E-08	3.53E-08	2.86E-08	6.40E-08	5.79E-09	5.55E-09	1.13E-08	4.32E-09	2.84E-09	7.16E-09
3264	562937.1	4234080	4.32E-08	3.85E-08	8.17E-08	7.33E-09	6.18E-09	1.35E-08	3.49E-08	2.83E-08	6.31E-08	5.71E-09	5.48E-09	1.12E-08	4.26E-09	2.80E-09	7.06E-09
3265	562946	4234077	4.25E-08	3.79E-08	8.04E-08	7.21E-09	6.07E-09	1.33E-08	3.43E-08	2.78E-08	6.21E-08	5.62E-09	5.39E-09	1.10E-08	4.20E-09	2.75E-09	6.95E-09
3266	562954.8	4234074	4.17E-08	3.72E-08	7.88E-08	7.07E-09	5.96E-09	1.30E-08	3.36E-08	2.73E-08	6.09E-08	5.51E-09	5.29E-09	1.08E-08	4.11E-09	2.70E-09	6.82E-09
3267	562990.2	4234063	3.75E-08	3.35E-08	7.10E-08	6.37E-09	5.37E-09	1.17E-08	3.03E-08	2.46E-08	5.49E-08	4.96E-09	4.76E-09	9.73E-09	3.71E-09	2.43E-09	6.14E-09
3268	562999	4234060	3.64E-08	3.24E-08	6.88E-08	6.17E-09	5.20E-09	1.14E-08	2.94E-08	2.38E-08	5.31E-08	4.81E-09	4.61E-09	9.42E-09	3.59E-09	2.36E-09	5.95E-09
3269	563007.9	4234057	3.51E-08	3.13E-08	6.63E-08	5.95E-09	5.01E-09	1.10E-08	2.83E-08	2.29E-08	5.12E-08	4.64E-09	4.45E-09	9.08E-09	3.46E-09	2.27E-09	5.73E-09
3270	563016.7	4234055	3.37E-08	3.00E-08	6.37E-08	5.71E-09	4.81E-09	1.05E-08	2.72E-08	2.20E-08	4.92E-08	4.45E-09	4.27E-09	8.72E-09	3.32E-09	2.18E-09	5.51E-09
3271	563025.5	4234052	3.23E-08	2.88E-08	6.10E-08	5.47E-09	4.61E-09	1.01E-08	2.60E-08	2.11E-08	4.72E-08	4.27E-09	4.09E-09	8.36E-09	3.19E-09	2.09E-09	5.28E-09
3272	563034.4	4234049	3.09E-08	2.76E-08	5.84E-08	5.24E-09	4.42E-09	9.66E-09	2.49E-08	2.02E-08	4.51E-08	4.08E-09	3.92E-09	8.00E-09	3.05E-09	2.00E-09	5.05E-09

3273	563043.2	4234046	2.97E-08	2.65E-08	5.61E-08	5.04E-09	4.24E-09	9.28E-09	2.40E-08	1.94E-08	4.34E-08	3.92E-09	3.77E-09	7.69E-09	2.93E-09	1.92E-09	4.85E-09
3274	563052.1	4234043	2.85E-08	2.54E-08	5.39E-08	4.83E-09	4.07E-09	8.91E-09	2.30E-08	1.86E-08	4.16E-08	3.77E-09	3.61E-09	7.38E-09	2.81E-09	1.85E-09	4.66E-09
3275	563060.9	4234040	2.73E-08	2.44E-08	5.17E-08	4.64E-09	3.91E-09	8.54E-09	2.21E-08	1.79E-08	3.99E-08	3.61E-09	3.47E-09	7.08E-09	2.70E-09	1.77E-09	4.47E-09
3276	563069.8	4234038	2.62E-08	2.34E-08	4.96E-08	4.45E-09	3.75E-09	8.19E-09	2.12E-08	1.71E-08	3.83E-08	3.47E-09	3.33E-09	6.79E-09	2.59E-09	1.70E-09	4.29E-09
3277	563078.6	4234035	2.51E-08	2.24E-08	4.75E-08	4.26E-09	3.59E-09	7.86E-09	2.03E-08	1.64E-08	3.67E-08	3.32E-09	3.19E-09	6.51E-09	2.48E-09	1.63E-09	4.11E-09
3278	563087.5	4234032	2.41E-08	2.15E-08	4.56E-08	4.09E-09	3.45E-09	7.53E-09	1.95E-08	1.58E-08	3.52E-08	3.19E-09	3.06E-09	6.24E-09	2.38E-09	1.56E-09	3.94E-09
3279	563096.3	4234029	2.31E-08	2.06E-08	4.37E-08	3.92E-09	3.31E-09	7.23E-09	1.87E-08	1.51E-08	3.38E-08	3.06E-09	2.93E-09	5.99E-09	2.28E-09	1.50E-09	3.78E-09
3280	563105.1	4234026	2.22E-08	1.98E-08	4.20E-08	3.76E-09	3.17E-09	6.94E-09	1.79E-08	1.45E-08	3.24E-08	2.93E-09	2.81E-09	5.75E-09	2.19E-09	1.44E-09	3.63E-09
3281	563114	4234023	2.13E-08	1.90E-08	4.03E-08	3.62E-09	3.05E-09	6.66E-09	1.72E-08	1.39E-08	3.12E-08	2.82E-09	2.70E-09	5.52E-09	2.10E-09	1.38E-09	3.49E-09
3282	563122.8	4234021	2.05E-08	1.83E-08	3.88E-08	3.48E-09	2.93E-09	6.41E-09	1.66E-08	1.34E-08	3.00E-08	2.71E-09	2.60E-09	5.31E-09	2.02E-09	1.33E-09	3.35E-09
3283	563131.7	4234018	1.97E-08	1.76E-08	3.73E-08	3.35E-09	2.82E-09	6.17E-09	1.59E-08	1.29E-08	2.89E-08	2.61E-09	2.50E-09	5.12E-09	1.95E-09	1.28E-09	3.23E-09
3284	562471.9	4234580	2.06E-08	1.84E-08	3.90E-08	3.50E-09	2.95E-09	6.45E-09	1.67E-08	1.35E-08	3.01E-08	2.73E-09	2.62E-09	5.34E-09	2.04E-09	1.34E-09	3.37E-09
3285	562471.1	4234589	2.05E-08	1.83E-08	3.88E-08	3.48E-09	2.93E-09	6.40E-09	1.65E-08	1.34E-08	2.99E-08	2.71E-09	2.60E-09	5.31E-09	2.02E-09	1.33E-09	3.35E-09
3286	562470.3	4234599	2.03E-08	1.81E-08	3.84E-08	3.44E-09	2.90E-09	6.35E-09	1.64E-08	1.33E-08	2.97E-08	2.68E-09	2.58E-09	5.26E-09	2.00E-09	1.32E-09	3.32E-09
3287	562469.5	4234608	2.01E-08	1.79E-08	3.80E-08	3.41E-09	2.87E-09	6.28E-09	1.62E-08	1.31E-08	2.93E-08	2.65E-09	2.55E-09	5.20E-09	1.98E-09	1.30E-09	3.28E-09
3288	562468.7	4234617	1.98E-08	1.77E-08	3.75E-08	3.36E-09	2.83E-09	6.19E-09	1.60E-08	1.30E-08	2.89E-08	2.62E-09	2.51E-09	5.13E-09	1.96E-09	1.28E-09	3.24E-09
3289	562467.9	4234627	1.95E-08	1.74E-08	3.69E-08	3.31E-09	2.79E-09	6.10E-09	1.57E-08	1.28E-08	2.85E-08	2.58E-09	2.47E-09	5.05E-09	1.93E-09	1.26E-09	3.19E-09
3290	562467.1	4234636	1.92E-08	1.71E-08	3.62E-08	3.25E-09	2.74E-09	5.99E-09	1.55E-08	1.25E-08	2.80E-08	2.53E-09	2.43E-09	4.96E-09	1.89E-09	1.24E-09	3.13E-09
3291	562466.3	4234645	1.88E-08	1.68E-08	3.55E-08	3.19E-09	2.69E-09	5.87E-09	1.52E-08	1.23E-08	2.75E-08	2.48E-09	2.38E-09	4.87E-09	1.85E-09	1.22E-09	3.07E-09
3292	562465.5	4234655	1.84E-08	1.64E-08	3.48E-08	3.12E-09	2.63E-09	5.75E-09	1.48E-08	1.20E-08	2.69E-08	2.43E-09	2.33E-09	4.76E-09	1.82E-09	1.19E-09	3.01E-09
3293	562464.7	4234664	1.80E-08	1.60E-08	3.40E-08	3.05E-09	2.57E-09	5.62E-09	1.45E-08	1.18E-08	2.63E-08	2.37E-09	2.28E-09	4.65E-09	1.77E-09	1.16E-09	2.94E-09
3294	562463.9	4234673	1.75E-08	1.56E-08	3.31E-08	2.97E-09	2.50E-09	5.48E-09	1.41E-08	1.15E-08	2.56E-08	2.32E-09	2.22E-09	4.54E-09	1.73E-09	1.13E-09	2.86E-09
3295	562463.2	4234682	1.71E-08	1.52E-08	3.23E-08	2.89E-09	2.44E-09	5.33E-09	1.38E-08	1.12E-08	2.49E-08	2.25E-09	2.16E-09	4.42E-09	1.68E-09	1.10E-09	2.79E-09
3296	562462.4	4234692	1.66E-08	1.48E-08	3.14E-08	2.81E-09	2.37E-09	5.18E-09	1.34E-08	1.08E-08	2.42E-08	2.19E-09	2.10E-09	4.29E-09	1.64E-09	1.07E-09	2.71E-09
3297	562436.4	4234568	1.92E-08	1.72E-08	3.64E-08	3.26E-09	2.75E-09	6.01E-09	1.55E-08	1.26E-08	2.81E-08	2.54E-09	2.44E-09	4.98E-09	1.90E-09	1.25E-09	3.14E-09
3298	562440.6	4234560	1.94E-08	1.73E-08	3.68E-08	3.30E-09	2.78E-09	6.08E-09	1.57E-08	1.27E-08	2.84E-08	2.57E-09	2.47E-09	5.04E-09	1.92E-09	1.26E-09	3.18E-09
3299	562444.9	4234552	1.96E-08	1.75E-08	3.71E-08	3.33E-09	2.80E-09	6.13E-09	1.58E-08	1.28E-08	2.87E-08	2.59E-09	2.49E-09	5.08E-09	1.94E-09	1.27E-09	3.21E-09
3300	562449.2	4234543	1.97E-08	1.76E-08	3.73E-08	3.35E-09	2.82E-09	6.17E-09	1.59E-08	1.29E-08	2.88E-08	2.61E-09	2.50E-09	5.11E-09	1.95E-09	1.28E-09	3.23E-09
3301	562453.5	4234535	1.98E-08	1.77E-08	3.75E-08	3.36E-09	2.84E-09	6.20E-09	1.60E-08	1.30E-08	2.90E-08	2.62E-09	2.52E-09	5.14E-09	1.96E-09	1.29E-09	3.24E-09
3302	562457.8	4234527	1.99E-08	1.77E-08	3.76E-08	3.37E-09	2.84E-09	6.22E-09	1.61E-08	1.30E-08	2.91E-08	2.63E-09	2.52E-09	5.15E-09	1.96E-09	1.29E-09	3.25E-09
3303	562462.1	4234519	1.99E-08	1.78E-08	3.77E-08	3.38E-09	2.85E-09	6.23E-09	1.61E-08	1.30E-08	2.91E-08	2.63E-09	2.53E-09	5.16E-09	1.97E-09	1.29E-09	3.26E-09
3304	562466.4	4234510	1.99E-08	1.77E-08	3.76E-08	3.38E-09	2.85E-09	6.22E-09	1.61E-08	1.30E-08	2.91E-08	2.63E-09	2.52E-09	5.16E-09	1.96E-09	1.29E-09	3.25E-09
3305	562470.7	4234502	1.98E-08	1.77E-08	3.75E-08	3.37E-09	2.84E-09	6.21E-09	1.60E-08	1.30E-08	2.90E-08	2.62E-09	2.52E-09	5.14E-09	1.96E-09	1.29E-09	3.25E-09
3306	562475	4234494	1.98E-08	1.76E-08	3.74E-08	3.35E-09	2.83E-09	6.18E-09	1.60E-08	1.29E-08	2.89E-08	2.61E-09	2.51E-09	5.12E-09	1.95E-09	1.28E-09	3.23E-09
3307	562479.2	4234485	1.96E-08	1.75E-08	3.72E-08	3.33E-09	2.81E-09	6.14E-09	1.59E-08	1.29E-08	2.87E-08	2.60E-09	2.49E-09	5.09E-09	1.94E-09	1.27E-09	3.21E-09
3308	562483.5	4234477	1.95E-08	1.74E-08	3.69E-08	3.31E-09	2.79E-09	6.10E-09	1.57E-08	1.28E-08	2.85E-08	2.58E-09	2.47E-09	5.05E-09	1.93E-09	1.26E-09	3.19E-09
3309	562487.8	4234469	1.93E-08	1.72E-08	3.66E-08	3.28E-09	2.76E-09	6.04E-09	1.56E-08	1.26E-08	2.83E-08	2.56E-09	2.45E-09	5.01E-09	1.91E-09	1.25E-09	3.16E-09
3310	562492.1	4234460	1.91E-08	1.71E-08	3.62E-08	3.25E-09	2.74E-09	5.98E-09	1.54E-08	1.25E-08	2.80E-08	2.53E-09	2.43E-09	4.96E-09	1.89E-09	1.24E-09	3.13E-09
3311	562496.4	4234452	1.89E-08	1.69E-08	3.58E-08	3.21E-09	2.70E-09	5.91E-09	1.53E-08	1.24E-08	2.76E-08	2.50E-09	2.40E-09	4.90E-09	1.87E-09	1.23E-09	3.09E-09
3312	562500.7	4234444	1.87E-08	1.66E-08	3.53E-08	3.17E-09	2.67E-09	5.83E-09	1.51E-08	1.22E-08	2.73E-08	2.47E-09	2.37E-09	4.83E-09	1.84E-09	1.21E-09	3.05E-09
3313	562505	4234436	1.84E-08	1.64E-08	3.48E-08	3.12E-09	2.63E-09	5.75E-09	1.48E-08	1.20E-08	2.69E-08	2.43E-09	2.33E-09	4.77E-09	1.82E-09	1.19E-09	3.01E-09
3314	562509.3	4234427	1.81E-08	1.62E-08	3.43E-08	3.07E-09	2.59E-09	5.66E-09	1.46E-08	1.19E-08	2.65E-08	2.40E-09	2.30E-09	4.69E-09	1.79E-09	1.17E-09	2.96E-09
3315	562513.6	4234419	1.78E-08	1.59E-08	3.37E-08	3.02E-09	2.55E-09	5.57E-09	1.44E-08	1.17E-08	2.60E-08	2.36E-09	2.26E-09	4.62E-09	1.76E-09	1.15E-09	2.91E-09
3316	562517.8	4234411	1.75E-08	1.56E-08	3.31E-08	2.97E-09	2.51E-09	5.48E-09	1.41E-08	1.15E-08	2.56E-08	2.32E-09	2.22E-09	4.54E-09	1.73E-09	1.14E-09	2.87E-09
3317	562522.1	4234402	1.72E-08	1.54E-08	3.26E-08	2.92E-09	2.46E-09	5.38E-09	1.39E-08	1.13E-08	2.52E-08	2.28E-09	2.18E-09	4.46E-09	1.70E-09	1.12E-09	2.82E-09
3318	562526.4	4234394	1.69E-08	1.51E-08	3.20E-08	2.87E-09	2.42E-09	5.29E-09	1.37E-08	1.11E-08	2.47E-08	2.24E-09	2.15E-09	4.38E-09	1.67E-09	1.10E-09	2.77E-09
3319	562530.7	4234386	1.66E-08	1.48E-08	3.15E-08	2.82E-09	2.38E-09	5.20E-09	1.34E-08	1.09E-08	2.43E-08	2.20E-09	2.11E-09	4.31E-09	1.64E-09	1.08E-09	2.72E-09
3320	562535	4234378	1.64E-08	1.46E-08	3.10E-08	2.78E-09	2.34E-09	5.12E-09	1.32E-08	1.07E-08	2.39E-08	2.16E-09	2.08E-09	4.24E-09	1.62E-09	1.06E-09	2.68E-09
3321	562539.3	4234369	1.61E-08	1.44E-08	3.05E-08	2.73E-09	2.30E-09	5.04E-09	1.30E-08	1.05E-08	2.35E-08	2.13E-09	2.04E-09	4.17E-09	1.59E-09	1.04E-09	2.63E-09
3322	562543.6	4234361	1.59E-08	1.42E-08	3.00E-08	2.69E-09	2.27E-09	4.97E-09	1.28E-08	1.04E-08	2.32E-08	2.10E-09	2.01E-09	4.11E-09	1.57E-09	1.03E-09	2.60E-09
3323	562547.9	4234353	1.57E-08	1.40E-08	2.97E-08	2.66E-09	2.24E-09	4.90E-09	1.27E-08	1.03E-08	2.29E-08	2.07E-09	1.99E-09	4.06E-09	1.55E-09	1.02E-09	2.57E-09
3324	562552.1	4234344	1.55E-08	1.38E-08	2.94E-08	2.63E-09	2.22E-09	4.85E-09	1.25E-08	1.02E-08	2.27E-08	2.05E-09	1.97E-09	4.02E-09	1.53E-09	1.01E-09	2.54E-09
3325	562556.4	4234336	1.54E-08	1.37E-08	2.91E-08	2.61E-09	2.20E-09	4.82E-09	1.24E-08	1.01E-08	2.25E-08	2.04E-09	1.95E-09	3.99E-09	1.52E-09	9.98E-10	2.52E-09
3326	562560.7	4234328	1.53E-08	1.37E-08	2.90E-08	2.60E-09	2.19E-09	4.79E-09	1.24E-08	1.00E-08	2.24E-08	2.03E-09	1.94E-09	3.97E-09	1.51E-09	9.93E-10	2.51E-09
3327	562565	4234319	1.53E-08	1.36E-08	2.89E-08	2.59E-09	2.19E-09	4.78E-09	1.23E-08	1.00E-08	2.24E-08	2.02E-09	1.94E-09	3.96E-09	1.51E-09	9.91E-10	2.50E-09
3328	562569.3	4234311	1.53E-08	1.37E-08	2.90E-08	2.60E-09	2.19E-09	4.79E-09	1.24E-08	1.00E-08	2.24E-08	2.02E-09	1.94E-09	3.97E-09	1.51E-09	9.92E-10	2.50E-09
3329	562573.6	4234303	1.53E-08	1.37E-08	2.90E-08	2.60E-09	2.19E-09	4.79E-09	1.24E-08	1.00E-08	2.24E-08	2.03E-09	1.94E-09	3.97E-09	1.51E-09	9.93E-10	2.51E-09
3330	562577.9	4234295	1.53E-08	1.36E-08	2.89E-08	2.60E-09	2.19E-09	4.78E-09	1.23E-08	1.00E-08	2.24E-08	2.02E-09	1.94E-09	3.96E-09	1.51E-09	9.91E-10	2.50E-09
3331	562582.2	4234286	1.53E-08	1.36E-08	2.89E-08	2.59E-09	2.18E-09	4.77E-09	1.23E-08	9.99E-09	2.23E-08	2.02E-09	1.94E-09	3.96E-09	1.51E-09	9.90E-10	2.50E-09
3332	562586.5	4234278	1.53E-08	1.36E-08	2.89E-08	2.59E-09	2.18E-09	4.78E-09	1.23E-08	1.00E-08	2.23E-08	2.02E-09	1.94E-09	3.96E-09	1.51E-09	9.90E-10	2.50E-09
3333	562590.7	4234270	1.55E-08	1.38E-08	2.93E-08	2.62E-09	2.21E-09	4.84E-09	1.25E-08	1.01E-08	2.26E-08	2.05E-09	1.96E-09	4.01E-09	1.53E-09	1.00E-09	2.53E-09
3334	562595	4234261	1.57E-08	1.40E-08	2.97E-08	2.67E-09	2.25E-09	4.92E-09	1.27E-08	1.03E-08	2.30E-08	2.08E-09	2.00E-09	4.07E-09	1.55E-09	1.02E-09	2.57E-09
3335	562599.3	4234253	1.60E-08	1.43E-08	3.03E-08	2.72E-09	2.29E-09	5.01E-09	1.29E-08	1.05E-08	2.34E-08	2.12E-09	2.03E-09	4.15E-09	1.58E-09	1.04E-09	2.62E-09
3336	562603.6	4234245	1.63E-08	1.46E-08	3.09E-08	2.77E-09	2.33E-09	5.11E-09	1.32E-08	1.07E-08	2.39E-08	2.16E-09	2.07E-09	4.23E-09	1.61E-09	1.06E-09	2.67E-09
3337	562607.9	4234237	1.67E-08	1.49E-08	3.15E-08	2.83E-09	2.38E-09	5.21E-09	1.35E-08	1.09E-08	2.44E-08	2.20E-09	2.12E-09	4.32E-09	1.65E-09	1.08E-09	2.73E-09
3338	562612.2	4234228	1.70E-08	1.52E-08	3.22E-08	2.89E-09	2.44E-09	5.33E-09	1.38E-08	1.11E-08	2.49E-08	2.25E-09	2.16E-09	4.41E-09	1.68E-09	1.10E-09	2.79E-09
3339	562616.5	4234220	1.75E-08	1.56E-08	3.31E-08	2.96E-09	2.50E-09	5.46E-09	1.41E-08	1.14E-08	2.55E-08	2.31E-09	2.22E-09	4.53E-09	1.73E-09	1.13E-09	2.86E-09
3340	562620.8	4234212	1.80E-08	1.60E-08	3.40E-08	3.05E-09	2.57E-09	5.62E-09	1.45E-08	1.18E-08	2.63E-08	2.38E-09	2.28E-09	4.66E-09	1.77E-09	1.16E-09	2.94E-09
3341	562625.1	4234203	1.85E-08	1.65E-08	3.50E-08	3.14E-09	2.64E-09	5.78E-09	1.49E-08	1.21E-08	2.70E-08	2.44E-09	2.35E-09	4.79E-09	1.83E-09	1.20E-09	3.02E-09
3342	562629.3	4234195	1.90E-08	1.70E-08	3.60E-08	3.23E-09	2.72E-09	5.94E-09	1.54E-08	1.24E-08	2.78E-08	2.51E-09	2.41E-09	4.93E-09	1.88E-09	1.23E-09	3.11E-09
3343	562633.6	4234187	1.96E-08	1.74E-08	3.70E-08	3.32E-09	2.80E-09	6.11E-09	1.58E-08	1.28E-08	2.86E-08	2.59E-09	2.48E-09	5.07E-09	1.93E-09	1.27E-09	3.20E-09
3344	562637.9	4234179	2.01E-08	1.79E-08	3.80E-08	3.41E-09	2.87E-09	6.29E-09	1.62E-08	1.32E-08	2.94E-08	2.66E-09	2.55E-09	5.21E-09	1.99E-09	1.30E-09	3.29E-09
3345	562642.2	4234170	2.07E-08	1.84E-08	3.91E-08	3.51E-09	2.95E-09	6.46E-09	1.67E-08	1.35E-08	3.02E-08	2.73E-09	2.62E-09	5.35E-09	2.04E-09	1.34E-09	3.38E-09
3346	562646.5	4234162	2.12E-08	1.89E-08	4.00E-08	3.59E-09	3.03E-09	6.62E-09	1.71E-08	1.39E-08	3.09E-08	2.80E-09	2.69E-09	5.48E-09	2.09E-09	1.37E-09	3.46E-09
3347	562650.8	4234154	2.16E-08	1.93E-08	4.10E-08	3.67E-09	3.10E-09	6.77E-09	1.75E-08	1.42E-08	3.16E-08	2.86E-09	2.75E-09	5.61E-09	2.14E-09	1.40E-09	3.54E-09
3348	562655.1	4234145	2.21E-08	1.97E-08	4.19E-08	3.75E-09	3.16E-09	6.92E-09	1.79E-08	1.45E-08	3.23E-08	2.93E-09	2.81E-09	5.73E-09	2.19E-09	1.43E-09	3.62E-09
3349	562659.4	4234137	2.26E-08	2.02E-08	4.28E-08	3.84E-09	3.23E-09	7.07E-09	1.83E-08	1.48E-08	3.30E-08	2.99E-09	2.87E-09	5.86E-09	2.23E-09	1.47E-09	3.70E-09
3350	562672.5	4234126	2.39E-08	2.13E-08	4.53E-08	4.06E-09	3.42E-09	7.48E-09	1.93E-08	1.57E-08	3.50E-08	3.16E-09	3.04E-09	6.20E-09	2.36E-09	1.55E-09	3.91E-09
3351	562681.4	4234123	2.48E-08	2.21E-08	4.69E-08	4.21E-09	3.55E-09	7.75E-09	2.00E-08	1.62E-08	3.62E-08	3.28E-09	3.15E-09	6.42E-09	2.45E-09	1.61E-09	4.06E-09
3352	562690.3	4234120	2.57E-08	2.29E-08	4.86E-08	4.36E-09	3.67E-09	8.03E-09	2.07E-08	1.68E-08	3.75E-08	3.40E-09	3.26E-09	6.65E-09	2.54E-09	1.66E-09	4.20E-09
3353	562699.2	4234117	2.66E-08	2.37E-08	5.03E-08	4.51E-09	3.80E-09	8.31E-09	2.15E-08	1.74E-08	3.89E-08	3.52E-09	3.37E-09	6.89E-09	2.63E-09	1.72E-09	4.35E-09
3354	562708.1	4234115	2.75E-08	2.46E-08	5.21E-08	4.67E-09	3.94E-09	8.61E-09	2.22E-08	1.80E-08	4.02E-08	3.64E-09	3.49E-09	7.13E-09	2.72E-09	1.78E-09	4.50E-09
3355	562717	4234112	2.85E-08	2.54E-08	5.39E-08	4.83E-09	4.07E-09	8.90E-09	2.30E-08	1.86E-08	4.16E-08	3.77E-09	3.61E-09	7.38E-09	2.81E-09	1.85E-09	4.66E-09
3356	562725.9	4234109	2.94E-08	2.63E-08	5.57E-08	4.99E-09	4.21E-09	9.20E-09	2.38E-08	1.93E-08	4.30E-08	3.89E-09	3.73E-09	7.63E-09	2.91E-09	1.91E-09	4.81E-09
3357	562734.8	4234106	3.04E-08	2.71E-08	5.75E-08	5.16E-09	4.35E-09	9.51E-09	2.46E-08	1.99E-08	4.45E-08	4.02E-09	3.86E-09	7.88E-09	3.00E-09	1.97E-09	4.97E-09
3358	562743.7	4234103	3.14E-08	2.80E-08	5.94E-08	5.33E-09	4.49E-09	9.81E-09	2.53E-08	2.05E-08	4.59E-08	4.15E-09	3.98E-09	8.13E-09	3.10E-09	2.03E-09	5.13E-09
3359	562752.6	4234100	3.24E-08	2.89E-08	6.12E-08	5.49E-09	4.63E-09	1.01E-08	2.61E-08	2.12E-08	4.73E-08	4.28E-09	4.11E-09	8.39E-09	3.20E-09	2.10E-09	5.29E-09
3360	562761.5	4234097	3.33E-08	2.97E-08	6.31E-08	5.66E-09	4.77E-09	1.04E-08	2.69E-08	2.18E-08	4.87E-08	4.41E-09	4.23E-09	8.64E-09	3.29E-09	2.16E-09	5.45E-09
3361	562770.4	4234095	3.43E-08	3.06E-08	6.49E-08	5.82E-09	4.91E-09	1.07E-08	2.77E-08	2.25E-08	5.02E-08	4.54E-09	4.35E-09	8.89E-09	3.39E-09	2.22E-09	5.61E-09
3362	562779.2	4234092	3.52E-08	3.14E-08	6.67E-08	5.98E-09	5.04E-09	1.10E-08	2.85E-08	2.31E-08	5.15E-08	4.66E-09	4.47E-09	9.13E-09	3.48E-09	2.28E-09	5.77E-09
3363	562788.1	4234089	3.62E-08	3.23E-08	6.84E-08	6.14E-09	5.17E-09	1.13E-08	2.92E-08	2.37E-08	5.29E-08	4.78E-09	4.59E-09	9.37E-09	3.57E-09	2.34E-09	5.91E-09

3364	562797	4234086	3.70E-08	3.30E-08	7.01E-08	6.28E-09	5.30E-09	1.16E-08	2.99E-08	2.42E-08	5.41E-08	4.90E-09	4.70E-09	9.60E-09	3.66E-09	2.40E-09	6.06E-09
3365	562805.9	4234083	3.79E-08	3.38E-08	7.16E-08	6.42E-09	5.41E-09	1.18E-08	3.06E-08	2.48E-08	5.53E-08	5.01E-09	4.80E-09	9.81E-09	3.74E-09	2.45E-09	6.19E-09
3366	562814.8	4234080	3.86E-08	3.45E-08	7.31E-08	6.55E-09	5.52E-09	1.21E-08	3.12E-08	2.53E-08	5.65E-08	5.11E-09	4.90E-09	1.00E-08	3.81E-09	2.50E-09	6.32E-09
3367	562823.7	4234078	3.93E-08	3.51E-08	7.44E-08	6.67E-09	5.62E-09	1.23E-08	3.18E-08	2.57E-08	5.75E-08	5.20E-09	4.99E-09	1.02E-08	3.88E-09	2.55E-09	6.43E-09
3368	562832.6	4234075	4.00E-08	3.56E-08	7.56E-08	6.78E-09	5.71E-09	1.25E-08	3.23E-08	2.61E-08	5.84E-08	5.28E-09	5.07E-09	1.04E-08	3.95E-09	2.59E-09	6.53E-09
3369	562841.5	4234072	4.05E-08	3.61E-08	7.66E-08	6.87E-09	5.79E-09	1.27E-08	3.27E-08	2.65E-08	5.92E-08	5.35E-09	5.14E-09	1.05E-08	4.00E-09	2.62E-09	6.62E-09
3370	562850.4	4234069	4.09E-08	3.65E-08	7.74E-08	6.94E-09	5.85E-09	1.28E-08	3.30E-08	2.68E-08	5.98E-08	5.41E-09	5.19E-09	1.06E-08	4.04E-09	2.65E-09	6.69E-09
3371	562859.3	4234066	4.13E-08	3.68E-08	7.81E-08	7.00E-09	5.90E-09	1.29E-08	3.33E-08	2.70E-08	6.03E-08	5.46E-09	5.24E-09	1.07E-08	4.07E-09	2.67E-09	6.75E-09
3372	562868.2	4234063	4.15E-08	3.70E-08	7.85E-08	7.04E-09	5.93E-09	1.30E-08	3.35E-08	2.71E-08	6.06E-08	5.49E-09	5.26E-09	1.07E-08	4.10E-09	2.69E-09	6.79E-09
3373	562877.1	4234060	4.16E-08	3.71E-08	7.87E-08	7.06E-09	5.95E-09	1.30E-08	3.36E-08	2.72E-08	6.08E-08	5.50E-09	5.28E-09	1.08E-08	4.11E-09	2.70E-09	6.80E-09
3374	562885.9	4234058	4.16E-08	3.71E-08	7.87E-08	7.06E-09	5.95E-09	1.30E-08	3.36E-08	2.72E-08	6.08E-08	5.50E-09	5.28E-09	1.08E-08	4.11E-09	2.69E-09	6.80E-09
3375	562894.8	4234055	4.14E-08	3.70E-08	7.84E-08	7.03E-09	5.93E-09	1.30E-08	3.35E-08	2.71E-08	6.06E-08	5.48E-09	5.26E-09	1.07E-08	4.09E-09	2.69E-09	6.78E-09
3376	562903.7	4234052	4.12E-08	3.68E-08	7.79E-08	6.99E-09	5.89E-09	1.29E-08	3.33E-08	2.70E-08	6.02E-08	5.45E-09	5.23E-09	1.07E-08	4.07E-09	2.67E-09	6.74E-09
3377	562912.6	4234049	4.08E-08	3.64E-08	7.73E-08	6.93E-09	5.84E-09	1.28E-08	3.30E-08	2.67E-08	5.97E-08	5.40E-09	5.18E-09	1.06E-08	4.03E-09	2.65E-09	6.68E-09
3378	562921.5	4234046	4.03E-08	3.60E-08	7.63E-08	6.85E-09	5.77E-09	1.26E-08	3.26E-08	2.64E-08	5.90E-08	5.34E-09	5.12E-09	1.05E-08	3.98E-09	2.61E-09	6.60E-09
3379	562930.4	4234043	3.98E-08	3.55E-08	7.52E-08	6.75E-09	5.69E-09	1.24E-08	3.21E-08	2.60E-08	5.81E-08	5.26E-09	5.04E-09	1.03E-08	3.93E-09	2.58E-09	6.50E-09
3380	562939.3	4234041	3.91E-08	3.48E-08	7.39E-08	6.63E-09	5.59E-09	1.22E-08	3.15E-08	2.56E-08	5.71E-08	5.17E-09	4.96E-09	1.01E-08	3.86E-09	2.53E-09	6.39E-09
3381	562948.2	4234038	3.83E-08	3.42E-08	7.24E-08	6.50E-09	5.47E-09	1.20E-08	3.09E-08	2.51E-08	5.60E-08	5.06E-09	4.86E-09	9.92E-09	3.78E-09	2.48E-09	6.26E-09
3382	562957.1	4234035	3.74E-08	3.34E-08	7.08E-08	6.35E-09	5.35E-09	1.17E-08	3.02E-08	2.45E-08	5.47E-08	4.95E-09	4.75E-09	9.70E-09	3.70E-09	2.43E-09	6.12E-09
3383	562966	4234032	3.65E-08	3.25E-08	6.90E-08	6.19E-09	5.22E-09	1.14E-08	2.95E-08	2.39E-08	5.33E-08	4.82E-09	4.63E-09	9.45E-09	3.60E-09	2.36E-09	5.97E-09
3384	562992.6	4234023	3.34E-08	2.98E-08	6.31E-08	5.66E-09	4.77E-09	1.04E-08	2.69E-08	2.18E-08	4.88E-08	4.41E-09	4.23E-09	8.65E-09	3.30E-09	2.16E-09	5.46E-09
3385	563001.5	4234021	3.23E-08	2.88E-08	6.10E-08	5.47E-09	4.61E-09	1.01E-08	2.61E-08	2.11E-08	4.72E-08	4.27E-09	4.09E-09	8.36E-09	3.19E-09	2.09E-09	5.28E-09
3386	563010.4	4234018	3.10E-08	2.77E-08	5.87E-08	5.27E-09	4.44E-09	9.70E-09	2.51E-08	2.03E-08	4.54E-08	4.10E-09	3.94E-09	8.04E-09	3.06E-09	2.01E-09	5.08E-09
3387	563019.3	4234015	2.98E-08	2.66E-08	5.63E-08	5.05E-09	4.26E-09	9.31E-09	2.40E-08	1.95E-08	4.35E-08	3.94E-09	3.78E-09	7.72E-09	2.94E-09	1.93E-09	4.87E-09
3388	563028.2	4234012	2.85E-08	2.55E-08	5.40E-08	4.84E-09	4.08E-09	8.92E-09	2.30E-08	1.87E-08	4.17E-08	3.77E-09	3.62E-09	7.39E-09	2.82E-09	1.85E-09	4.67E-09
3389	563037.1	4234009	2.74E-08	2.44E-08	5.18E-08	4.64E-09	3.91E-09	8.56E-09	2.21E-08	1.79E-08	4.00E-08	3.62E-09	3.47E-09	7.09E-09	2.70E-09	1.77E-09	4.48E-09
3390	563046	4234006	2.63E-08	2.35E-08	4.98E-08	4.46E-09	3.76E-09	8.22E-09	2.12E-08	1.72E-08	3.84E-08	3.48E-09	3.34E-09	6.82E-09	2.60E-09	1.70E-09	4.30E-09
3391	563054.9	4234004	2.53E-08	2.25E-08	4.78E-08	4.29E-09	3.61E-09	7.90E-09	2.04E-08	1.65E-08	3.69E-08	3.34E-09	3.21E-09	6.55E-09	2.49E-09	1.64E-09	4.13E-09
3392	563063.8	4234001	2.43E-08	2.16E-08	4.59E-08	4.12E-09	3.47E-09	7.58E-09	1.96E-08	1.59E-08	3.55E-08	3.21E-09	3.08E-09	6.29E-09	2.40E-09	1.57E-09	3.97E-09
3393	563072.7	4233998	2.33E-08	2.08E-08	4.41E-08	3.95E-09	3.33E-09	7.28E-09	1.88E-08	1.52E-08	3.40E-08	3.08E-09	2.95E-09	6.03E-09	2.30E-09	1.51E-09	3.81E-09
3394	563081.6	4233995	2.24E-08	1.99E-08	4.23E-08	3.79E-09	3.20E-09	6.99E-09	1.81E-08	1.46E-08	3.27E-08	2.96E-09	2.84E-09	5.79E-09	2.21E-09	1.45E-09	3.66E-09
3395	563090.5	4233992	2.15E-08	1.92E-08	4.06E-08	3.64E-09	3.07E-09	6.71E-09	1.73E-08	1.41E-08	3.14E-08	2.84E-09	2.72E-09	5.56E-09	2.12E-09	1.39E-09	3.51E-09
3396	563099.3	4233989	2.06E-08	1.84E-08	3.90E-08	3.50E-09	2.95E-09	6.45E-09	1.67E-08	1.35E-08	3.02E-08	2.73E-09	2.62E-09	5.35E-09	2.04E-09	1.34E-09	3.37E-09
3397	563108.2	4233986	1.98E-08	1.77E-08	3.75E-08	3.37E-09	2.84E-09	6.20E-09	1.60E-08	1.30E-08	2.90E-08	2.62E-09	2.52E-09	5.14E-09	1.96E-09	1.29E-09	3.25E-09
3398	563117.1	4233984	1.91E-08	1.70E-08	3.61E-08	3.24E-09	2.73E-09	5.97E-09	1.54E-08	1.25E-08	2.79E-08	2.53E-09	2.42E-09	4.95E-09	1.89E-09	1.24E-09	3.12E-09
3399	563126	4233981	1.84E-08	1.64E-08	3.48E-08	3.12E-09	2.63E-09	5.76E-09	1.49E-08	1.20E-08	2.69E-08	2.43E-09	2.34E-09	4.77E-09	1.82E-09	1.19E-09	3.01E-09
3400	563134.9	4233978	1.78E-08	1.59E-08	3.36E-08	3.02E-09	2.54E-09	5.56E-09	1.43E-08	1.16E-08	2.60E-08	2.35E-09	2.25E-09	4.60E-09	1.75E-09	1.15E-09	2.91E-09
3401	562432.1	4234577	1.90E-08	1.69E-08	3.59E-08	3.22E-09	2.72E-09	5.94E-09	1.53E-08	1.24E-08	2.78E-08	2.51E-09	2.41E-09	4.92E-09	1.88E-09	1.23E-09	3.11E-09
3402	562431.3	4234586	1.88E-08	1.68E-08	3.56E-08	3.20E-09	2.69E-09	5.89E-09	1.52E-08	1.23E-08	2.75E-08	2.49E-09	2.39E-09	4.88E-09	1.86E-09	1.22E-09	3.08E-09
3403	562430.5	4234595	1.87E-08	1.66E-08	3.53E-08	3.17E-09	2.67E-09	5.83E-09	1.51E-08	1.22E-08	2.73E-08	2.47E-09	2.37E-09	4.83E-09	1.84E-09	1.21E-09	3.05E-09
3404	562429.7	4234605	1.84E-08	1.64E-08	3.49E-08	3.13E-09	2.64E-09	5.76E-09	1.49E-08	1.21E-08	2.69E-08	2.44E-09	2.34E-09	4.78E-09	1.82E-09	1.19E-09	3.02E-09
3405	562428.9	4234614	1.82E-08	1.62E-08	3.44E-08	3.08E-09	2.60E-09	5.68E-09	1.47E-08	1.19E-08	2.66E-08	2.40E-09	2.31E-09	4.71E-09	1.80E-09	1.18E-09	2.97E-09
3406	562428.1	4234623	1.79E-08	1.60E-08	3.39E-08	3.04E-09	2.56E-09	5.60E-09	1.45E-08	1.17E-08	2.62E-08	2.37E-09	2.27E-09	4.64E-09	1.77E-09	1.16E-09	2.93E-09
3407	562427.3	4234632	1.76E-08	1.57E-08	3.33E-08	2.98E-09	2.52E-09	5.50E-09	1.42E-08	1.15E-08	2.57E-08	2.33E-09	2.23E-09	4.56E-09	1.74E-09	1.14E-09	2.88E-09
3408	562426.5	4234642	1.73E-08	1.54E-08	3.26E-08	2.93E-09	2.47E-09	5.39E-09	1.39E-08	1.13E-08	2.52E-08	2.28E-09	2.19E-09	4.47E-09	1.70E-09	1.12E-09	2.82E-09
3409	562425.7	4234651	1.69E-08	1.51E-08	3.20E-08	2.87E-09	2.42E-09	5.28E-09	1.36E-08	1.11E-08	2.47E-08	2.23E-09	2.14E-09	4.38E-09	1.67E-09	1.09E-09	2.76E-09
3410	562424.9	4234660	1.65E-08	1.47E-08	3.12E-08	2.80E-09	2.36E-09	5.16E-09	1.33E-08	1.08E-08	2.41E-08	2.18E-09	2.10E-09	4.28E-09	1.63E-09	1.07E-09	2.70E-09
3411	562424.1	4234670	1.61E-08	1.44E-08	3.05E-08	2.74E-09	2.31E-09	5.04E-09	1.30E-08	1.05E-08	2.36E-08	2.13E-09	2.05E-09	4.18E-09	1.59E-09	1.04E-09	2.64E-09
3412	562423.3	4234679	1.57E-08	1.40E-08	2.97E-08	2.67E-09	2.25E-09	4.91E-09	1.27E-08	1.03E-08	2.30E-08	2.08E-09	1.99E-09	4.07E-09	1.55E-09	1.02E-09	2.57E-09
3413	562422.5	4234688	1.53E-08	1.36E-08	2.89E-08	2.59E-09	2.19E-09	4.78E-09	1.23E-08	1.00E-08	2.23E-08	2.02E-09	1.94E-09	3.96E-09	1.51E-09	9.90E-10	2.50E-09
3414	562396.4	4234565	1.78E-08	1.58E-08	3.36E-08	3.01E-09	2.54E-09	5.55E-09	1.43E-08	1.16E-08	2.60E-08	2.35E-09	2.25E-09	4.60E-09	1.75E-09	1.15E-09	2.91E-09
3415	562400.7	4234557	1.80E-08	1.60E-08	3.40E-08	3.05E-09	2.57E-09	5.62E-09	1.45E-08	1.18E-08	2.63E-08	2.38E-09	2.28E-09	4.66E-09	1.77E-09	1.16E-09	2.94E-09
3416	562404.9	4234549	1.81E-08	1.62E-08	3.43E-08	3.08E-09	2.59E-09	5.67E-09	1.46E-08	1.19E-08	2.65E-08	2.40E-09	2.30E-09	4.70E-09	1.79E-09	1.18E-09	2.97E-09
3417	562409.2	4234540	1.83E-08	1.63E-08	3.46E-08	3.10E-09	2.62E-09	5.72E-09	1.48E-08	1.20E-08	2.67E-08	2.42E-09	2.32E-09	4.74E-09	1.81E-09	1.19E-09	2.99E-09
3418	562413.4	4234532	1.84E-08	1.64E-08	3.48E-08	3.12E-09	2.63E-09	5.76E-09	1.49E-08	1.20E-08	2.69E-08	2.43E-09	2.34E-09	4.77E-09	1.82E-09	1.19E-09	3.01E-09
3419	562417.6	4234524	1.85E-08	1.65E-08	3.50E-08	3.14E-09	2.64E-09	5.78E-09	1.49E-08	1.21E-08	2.70E-08	2.45E-09	2.35E-09	4.79E-09	1.83E-09	1.20E-09	3.02E-09
3420	562421.9	4234516	1.85E-08	1.65E-08	3.51E-08	3.15E-09	2.65E-09	5.80E-09	1.50E-08	1.21E-08	2.71E-08	2.45E-09	2.35E-09	4.81E-09	1.83E-09	1.20E-09	3.03E-09
3421	562426.1	4234508	1.86E-08	1.66E-08	3.51E-08	3.15E-09	2.66E-09	5.81E-09	1.50E-08	1.22E-08	2.71E-08	2.46E-09	2.36E-09	4.81E-09	1.83E-09	1.20E-09	3.04E-09
3422	562430.3	4234499	1.86E-08	1.66E-08	3.51E-08	3.15E-09	2.65E-09	5.80E-09	1.50E-08	1.21E-08	2.71E-08	2.45E-09	2.36E-09	4.81E-09	1.83E-09	1.20E-09	3.04E-09
3423	562434.6	4234491	1.85E-08	1.65E-08	3.50E-08	3.14E-09	2.65E-09	5.79E-09	1.50E-08	1.21E-08	2.71E-08	2.45E-09	2.35E-09	4.80E-09	1.83E-09	1.20E-09	3.03E-09
3424	562438.8	4234483	1.85E-08	1.65E-08	3.49E-08	3.13E-09	2.64E-09	5.77E-09	1.49E-08	1.21E-08	2.70E-08	2.44E-09	2.34E-09	4.78E-09	1.82E-09	1.20E-09	3.02E-09
3425	562443	4234475	1.84E-08	1.64E-08	3.47E-08	3.12E-09	2.63E-09	5.74E-09	1.48E-08	1.20E-08	2.68E-08	2.43E-09	2.33E-09	4.76E-09	1.81E-09	1.19E-09	3.00E-09
3426	562447.3	4234467	1.82E-08	1.63E-08	3.45E-08	3.09E-09	2.61E-09	5.70E-09	1.47E-08	1.19E-08	2.67E-08	2.41E-09	2.31E-09	4.73E-09	1.80E-09	1.18E-09	2.98E-09
3427	562451.5	4234459	1.81E-08	1.61E-08	3.42E-08	3.07E-09	2.59E-09	5.66E-09	1.46E-08	1.18E-08	2.64E-08	2.39E-09	2.30E-09	4.69E-09	1.79E-09	1.17E-09	2.96E-09
3428	562455.7	4234450	1.79E-08	1.60E-08	3.39E-08	3.04E-09	2.56E-09	5.60E-09	1.45E-08	1.17E-08	2.62E-08	2.37E-09	2.27E-09	4.64E-09	1.77E-09	1.16E-09	2.93E-09
3429	562460	4234442	1.77E-08	1.58E-08	3.35E-08	3.01E-09	2.53E-09	5.54E-09	1.43E-08	1.16E-08	2.59E-08	2.34E-09	2.25E-09	4.59E-09	1.75E-09	1.15E-09	2.90E-09
3430	562464.2	4234434	1.75E-08	1.56E-08	3.31E-08	2.97E-09	2.50E-09	5.47E-09	1.41E-08	1.14E-08	2.56E-08	2.31E-09	2.22E-09	4.53E-09	1.73E-09	1.13E-09	2.86E-09
3431	562468.4	4234426	1.73E-08	1.54E-08	3.27E-08	2.93E-09	2.47E-09	5.40E-09	1.39E-08	1.13E-08	2.52E-08	2.28E-09	2.19E-09	4.47E-09	1.70E-09	1.12E-09	2.82E-09
3432	562472.7	4234418	1.70E-08	1.52E-08	3.22E-08	2.89E-09	2.43E-09	5.32E-09	1.37E-08	1.11E-08	2.49E-08	2.25E-09	2.16E-09	4.41E-09	1.68E-09	1.10E-09	2.78E-09
3433	562476.9	4234409	1.67E-08	1.49E-08	3.17E-08	2.84E-09	2.39E-09	5.23E-09	1.35E-08	1.10E-08	2.45E-08	2.21E-09	2.12E-09	4.34E-09	1.65E-09	1.08E-09	2.74E-09
3434	562481.1	4234401	1.65E-08	1.47E-08	3.11E-08	2.79E-09	2.35E-09	5.15E-09	1.33E-08	1.08E-08	2.41E-08	2.18E-09	2.09E-09	4.26E-09	1.63E-09	1.07E-09	2.69E-09
3435	562485.4	4234393	1.62E-08	1.44E-08	3.06E-08	2.74E-09	2.31E-09	5.06E-09	1.31E-08	1.06E-08	2.36E-08	2.14E-09	2.05E-09	4.19E-09	1.60E-09	1.05E-09	2.65E-09
3436	562489.6	4234385	1.59E-08	1.42E-08	3.01E-08	2.70E-09	2.27E-09	4.97E-09	1.28E-08	1.04E-08	2.32E-08	2.10E-09	2.02E-09	4.12E-09	1.57E-09	1.03E-09	2.60E-09
3437	562493.8	4234377	1.56E-08	1.39E-08	2.95E-08	2.65E-09	2.23E-09	4.88E-09	1.26E-08	1.02E-08	2.28E-08	2.06E-09	1.98E-09	4.04E-09	1.54E-09	1.01E-09	2.55E-09
3438	562498.1	4234368	1.53E-08	1.37E-08	2.90E-08	2.60E-09	2.19E-09	4.79E-09	1.24E-08	1.00E-08	2.24E-08	2.03E-09	1.95E-09	3.97E-09	1.51E-09	9.94E-10	2.51E-09
3439	562502.3	4234360	1.51E-08	1.34E-08	2.85E-08	2.56E-09	2.16E-09	4.71E-09	1.22E-08	9.86E-09	2.20E-08	1.99E-09	1.91E-09	3.91E-09	1.49E-09	9.77E-10	2.47E-09
3440	562506.6	4234352	1.48E-08	1.32E-08	2.81E-08	2.52E-09	2.12E-09	4.64E-09	1.20E-08	9.71E-09	2.17E-08	1.96E-09	1.88E-09	3.84E-09	1.46E-09	9.61E-10	2.43E-09
3441	562510.8	4234344	1.46E-08	1.30E-08	2.76E-08	2.48E-09	2.09E-09	4.57E-09	1.18E-08	9.56E-09	2.14E-08	1.93E-09	1.85E-09	3.79E-09	1.44E-09	9.47E-10	2.39E-09
3442	562515	4234336	1.44E-08	1.29E-08	2.73E-08	2.45E-09	2.06E-09	4.51E-09	1.16E-08	9.44E-09	2.11E-08	1.91E-09	1.83E-09	3.74E-09	1.42E-09	9.35E-10	2.36E-09
3443	562519.3	4234327	1.43E-08	1.27E-08	2.70E-08	2.42E-09	2.04E-09	4.46E-09	1.15E-08	9.33E-09	2.08E-08	1.89E-09	1.81E-09	3.69E-09	1.41E-09	9.24E-10	2.33E-09
3444	562523.5	4234319	1.41E-08	1.26E-08	2.67E-08	2.40E-09	2.02E-09	4.42E-09	1.14E-08	9.25E-09	2.07E-08	1.87E-09	1.79E-09	3.66E-09	1.40E-09	9.16E-10	2.31E-09
3445	562527.7	4234311	1.40E-08	1.25E-08	2.66E-08	2.38E-09	2.01E-09	4.39E-09	1.13E-08	9.19E-09	2.05E-08	1.86E-09	1.78E-09	3.64E-09	1.39E-09	9.10E-10	2.30E-09
3446	562532	4234303	1.40E-08	1.25E-08	2.65E-08	2.37E-09	2.00E-09	4.37E-09	1.13E-08	9.15E-09	2.04E-08	1.85E-09	1.77E-09	3.62E-09	1.38E-09	9.06E-10	2.29E-09
3447	562536.2	4234295	1.40E-08	1.25E-08	2.64E-08	2.37E-09	2.00E-09	4.37E-09	1.13E-08	9.14E-09	2.04E-08	1.85E-09	1.77E-09	3.62E-09	1.38E-09	9.05E-10	2.29E-09
3448	562540.4	4234287	1.40E-08	1.25E-08	2.65E-08	2.37E-09	2.00E-09	4.38E-09	1.13E-08	9.16E-09	2.05E-08	1.85E-09	1.78E-09	3.63E-09	1.38E-09	9.07E-10	2.29E-09
3449	562544.7	4234278	1.41E-08	1.25E-08	2.66E-08	2.39E-09	2.01E-09	4.40E-09	1.14E-08	9.20E-09	2.05E-08	1.86E-09	1.78E-09	3.64E-09	1.39E-09	9.11E-10	2.30E-09
3450	562548.9	4234270	1.41E-08	1.25E-08	2.66E-08	2.39E-09	2.01E-09	4.40E-09	1.14E-08	9.21E-09	2.06E-08	1.86E-09	1.78E-09	3.65E-09	1.39E-09	9.12E-10	2.30E-09
3451	562553.1	4234262	1.41E-08	1.26E-08	2.66E-08	2.39E-09	2.01E-09	4.40E-09	1.14E-08	9.21E-09	2.06E-08	1.86E-09	1.79E-09	3.65E-09	1.39E-09	9.12E-10	2.30E-09
3452	562557.4	4234254	1.41E-08	1.26E-08	2.67E-08	2.39E-09	2.02E-09	4.41E-09	1.14E-08	9.22E-09	2.06E-08	1.86E-09	1.79E-09	3.65E-09	1.39E-09	9.14E-10	2.31E-09
3453	562561.6	4234246	1.42E-08	1.27E-08	2.68E-08	2.41E-09	2.03E-09	4.44E-09	1.15E-08	9.28E-09	2.07E-08	1.88E-09	1.80E-09	3.68E-09	1.40E-09	9.19E-10	2.32E-09
3454	562565.8	4234237	1.44E-08	1.29E-08	2.73E-08	2.45E-09	2.06E-09	4.51E-09	1.16E-08	9.43E-09	2.11E-08	1.91E-09	1.83E-09	3.74E-09	1.42E-09	9.34E-10	2.36E-09

3455	562570.1	4234229	1.47E-08	1.31E-08	2.78E-08	2.49E-09	2.10E-09	4.59E-09	1.18E-08	9.60E-09	2.14E-08	1.94E-09	1.86E-09	3.80E-09	1.45E-09	9.51E-10	2.40E-09
3456	562574.3	4234221	1.49E-08	1.33E-08	2.83E-08	2.54E-09	2.14E-09	4.67E-09	1.21E-08	9.78E-09	2.18E-08	1.98E-09	1.90E-09	3.87E-09	1.48E-09	9.69E-10	2.44E-09
3457	562578.5	4234213	1.52E-08	1.36E-08	2.88E-08	2.59E-09	2.18E-09	4.77E-09	1.23E-08	9.98E-09	2.23E-08	2.02E-09	1.93E-09	3.95E-09	1.51E-09	9.88E-10	2.49E-09
3458	562582.8	4234205	1.56E-08	1.39E-08	2.94E-08	2.64E-09	2.23E-09	4.87E-09	1.26E-08	1.02E-08	2.28E-08	2.06E-09	1.98E-09	4.03E-09	1.54E-09	1.01E-09	2.55E-09
3459	562587	4234196	1.59E-08	1.42E-08	3.01E-08	2.70E-09	2.27E-09	4.97E-09	1.28E-08	1.04E-08	2.32E-08	2.10E-09	2.02E-09	4.12E-09	1.57E-09	1.03E-09	2.60E-09
3460	562591.2	4234188	1.63E-08	1.45E-08	3.08E-08	2.76E-09	2.32E-09	5.08E-09	1.31E-08	1.06E-08	2.38E-08	2.15E-09	2.06E-09	4.21E-09	1.61E-09	1.05E-09	2.66E-09
3461	562595.5	4234180	1.66E-08	1.48E-08	3.14E-08	2.82E-09	2.38E-09	5.20E-09	1.34E-08	1.09E-08	2.43E-08	2.20E-09	2.11E-09	4.31E-09	1.64E-09	1.08E-09	2.72E-09
3462	562599.7	4234172	1.70E-08	1.52E-08	3.22E-08	2.88E-09	2.43E-09	5.31E-09	1.37E-08	1.11E-08	2.48E-08	2.25E-09	2.16E-09	4.40E-09	1.68E-09	1.10E-09	2.78E-09
3463	562604	4234164	1.74E-08	1.55E-08	3.29E-08	2.95E-09	2.49E-09	5.43E-09	1.40E-08	1.14E-08	2.54E-08	2.30E-09	2.21E-09	4.50E-09	1.72E-09	1.13E-09	2.84E-09
3464	562608.2	4234156	1.78E-08	1.59E-08	3.36E-08	3.02E-09	2.54E-09	5.56E-09	1.44E-08	1.16E-08	2.60E-08	2.35E-09	2.26E-09	4.61E-09	1.76E-09	1.15E-09	2.91E-09
3465	562612.4	4234147	1.82E-08	1.62E-08	3.44E-08	3.08E-09	2.60E-09	5.68E-09	1.47E-08	1.19E-08	2.66E-08	2.40E-09	2.31E-09	4.71E-09	1.80E-09	1.18E-09	2.97E-09
3466	562616.7	4234139	1.86E-08	1.66E-08	3.53E-08	3.16E-09	2.67E-09	5.83E-09	1.51E-08	1.22E-08	2.72E-08	2.47E-09	2.37E-09	4.83E-09	1.84E-09	1.21E-09	3.05E-09
3467	562620.9	4234131	1.91E-08	1.71E-08	3.62E-08	3.25E-09	2.74E-09	5.98E-09	1.55E-08	1.25E-08	2.80E-08	2.53E-09	2.43E-09	4.96E-09	1.89E-09	1.24E-09	3.13E-09
3468	562625.1	4234123	1.96E-08	1.75E-08	3.72E-08	3.33E-09	2.81E-09	6.14E-09	1.59E-08	1.28E-08	2.87E-08	2.60E-09	2.49E-09	5.09E-09	1.94E-09	1.27E-09	3.21E-09
3469	562629.4	4234115	2.01E-08	1.80E-08	3.81E-08	3.42E-09	2.88E-09	6.30E-09	1.63E-08	1.32E-08	2.94E-08	2.66E-09	2.56E-09	5.22E-09	1.99E-09	1.31E-09	3.29E-09
3470	562633.6	4234106	2.06E-08	1.84E-08	3.91E-08	3.50E-09	2.95E-09	6.45E-09	1.67E-08	1.35E-08	3.02E-08	2.73E-09	2.62E-09	5.35E-09	2.04E-09	1.34E-09	3.38E-09
3471	562646.6	4234095	2.20E-08	1.96E-08	4.16E-08	3.73E-09	3.14E-09	6.88E-09	1.78E-08	1.44E-08	3.21E-08	2.91E-09	2.79E-09	5.70E-09	2.17E-09	1.43E-09	3.60E-09
3472	562655.4	4234093	2.27E-08	2.03E-08	4.30E-08	3.86E-09	3.25E-09	7.11E-09	1.84E-08	1.49E-08	3.32E-08	3.01E-09	2.89E-09	5.89E-09	2.25E-09	1.47E-09	3.72E-09
3473	562664.2	4234090	2.35E-08	2.10E-08	4.45E-08	3.99E-09	3.36E-09	7.35E-09	1.90E-08	1.54E-08	3.44E-08	3.11E-09	2.98E-09	6.09E-09	2.32E-09	1.52E-09	3.85E-09
3474	562673	4234087	2.43E-08	2.17E-08	4.60E-08	4.12E-09	3.48E-09	7.60E-09	1.96E-08	1.59E-08	3.55E-08	3.21E-09	3.08E-09	6.30E-09	2.40E-09	1.58E-09	3.98E-09
3475	562681.7	4234084	2.51E-08	2.24E-08	4.75E-08	4.26E-09	3.59E-09	7.85E-09	2.03E-08	1.64E-08	3.67E-08	3.32E-09	3.19E-09	6.51E-09	2.48E-09	1.63E-09	4.11E-09
3476	562690.5	4234081	2.59E-08	2.31E-08	4.91E-08	4.40E-09	3.71E-09	8.11E-09	2.09E-08	1.70E-08	3.79E-08	3.43E-09	3.29E-09	6.72E-09	2.56E-09	1.68E-09	4.24E-09
3477	562699.3	4234079	2.68E-08	2.39E-08	5.07E-08	4.55E-09	3.83E-09	8.38E-09	2.16E-08	1.75E-08	3.92E-08	3.54E-09	3.40E-09	6.94E-09	2.65E-09	1.74E-09	4.38E-09
3478	562708.1	4234076	2.76E-08	2.47E-08	5.23E-08	4.69E-09	3.95E-09	8.64E-09	2.23E-08	1.81E-08	4.04E-08	3.66E-09	3.51E-09	7.16E-09	2.73E-09	1.79E-09	4.52E-09
3479	562716.9	4234073	2.85E-08	2.54E-08	5.39E-08	4.84E-09	4.08E-09	8.91E-09	2.30E-08	1.87E-08	4.17E-08	3.77E-09	3.62E-09	7.39E-09	2.81E-09	1.85E-09	4.66E-09
3480	562725.6	4234070	2.94E-08	2.62E-08	5.56E-08	4.98E-09	4.20E-09	9.18E-09	2.37E-08	1.92E-08	4.29E-08	3.88E-09	3.73E-09	7.61E-09	2.90E-09	1.90E-09	4.80E-09
3481	562734.4	4234067	3.02E-08	2.70E-08	5.72E-08	5.13E-09	4.32E-09	9.45E-09	2.44E-08	1.98E-08	4.42E-08	4.00E-09	3.84E-09	7.84E-09	2.99E-09	1.96E-09	4.95E-09
3482	562743.2	4234064	3.11E-08	2.77E-08	5.88E-08	5.28E-09	4.45E-09	9.72E-09	2.51E-08	2.04E-08	4.55E-08	4.11E-09	3.95E-09	8.06E-09	3.07E-09	2.02E-09	5.09E-09
3483	562752	4234062	3.20E-08	2.85E-08	6.05E-08	5.42E-09	4.57E-09	9.99E-09	2.58E-08	2.09E-08	4.67E-08	4.23E-09	4.05E-09	8.28E-09	3.16E-09	2.07E-09	5.23E-09
3484	562760.8	4234059	3.28E-08	2.92E-08	6.20E-08	5.56E-09	4.69E-09	1.03E-08	2.65E-08	2.15E-08	4.79E-08	4.34E-09	4.16E-09	8.50E-09	3.24E-09	2.12E-09	5.36E-09
3485	562769.5	4234056	3.36E-08	3.00E-08	6.36E-08	5.70E-09	4.81E-09	1.05E-08	2.71E-08	2.20E-08	4.91E-08	4.44E-09	4.26E-09	8.71E-09	3.32E-09	2.18E-09	5.50E-09
3486	562778.3	4234053	3.44E-08	3.07E-08	6.51E-08	5.83E-09	4.92E-09	1.08E-08	2.78E-08	2.25E-08	5.03E-08	4.55E-09	4.36E-09	8.91E-09	3.40E-09	2.23E-09	5.62E-09
3487	562787.1	4234050	3.51E-08	3.13E-08	6.65E-08	5.96E-09	5.02E-09	1.10E-08	2.84E-08	2.30E-08	5.13E-08	4.65E-09	4.46E-09	9.10E-09	3.47E-09	2.28E-09	5.75E-09
3488	562795.9	4234048	3.58E-08	3.20E-08	6.78E-08	6.08E-09	5.12E-09	1.12E-08	2.89E-08	2.34E-08	5.24E-08	4.74E-09	4.55E-09	9.28E-09	3.54E-09	2.32E-09	5.86E-09
3489	562804.7	4234045	3.65E-08	3.25E-08	6.90E-08	6.19E-09	5.21E-09	1.14E-08	2.94E-08	2.39E-08	5.33E-08	4.82E-09	4.63E-09	9.45E-09	3.60E-09	2.36E-09	5.96E-09
3490	562813.4	4234042	3.70E-08	3.30E-08	7.01E-08	6.29E-09	5.30E-09	1.16E-08	2.99E-08	2.42E-08	5.41E-08	4.90E-09	4.70E-09	9.60E-09	3.66E-09	2.40E-09	6.06E-09
3491	562822.2	4234039	3.76E-08	3.35E-08	7.10E-08	6.37E-09	5.37E-09	1.17E-08	3.03E-08	2.46E-08	5.49E-08	4.97E-09	4.76E-09	9.73E-09	3.71E-09	2.43E-09	6.14E-09
3492	562831	4234036	3.80E-08	3.39E-08	7.19E-08	6.44E-09	5.43E-09	1.19E-08	3.07E-08	2.49E-08	5.55E-08	5.02E-09	4.82E-09	9.84E-09	3.75E-09	2.46E-09	6.21E-09
3493	562839.8	4234034	3.83E-08	3.42E-08	7.25E-08	6.50E-09	5.48E-09	1.20E-08	3.09E-08	2.51E-08	5.60E-08	5.07E-09	4.86E-09	9.93E-09	3.78E-09	2.48E-09	6.27E-09
3494	562848.6	4234031	3.86E-08	3.44E-08	7.30E-08	6.55E-09	5.52E-09	1.21E-08	3.12E-08	2.52E-08	5.64E-08	5.10E-09	4.90E-09	1.00E-08	3.81E-09	2.50E-09	6.31E-09
3495	562857.3	4234028	3.87E-08	3.46E-08	7.33E-08	6.57E-09	5.54E-09	1.21E-08	3.13E-08	2.54E-08	5.66E-08	5.12E-09	4.92E-09	1.00E-08	3.83E-09	2.51E-09	6.34E-09
3496	562866.1	4234025	3.88E-08	3.46E-08	7.34E-08	6.58E-09	5.55E-09	1.21E-08	3.13E-08	2.54E-08	5.67E-08	5.13E-09	4.92E-09	1.01E-08	3.83E-09	2.51E-09	6.35E-09
3497	562874.9	4234022	3.88E-08	3.46E-08	7.33E-08	6.58E-09	5.54E-09	1.21E-08	3.13E-08	2.54E-08	5.67E-08	5.13E-09	4.92E-09	1.00E-08	3.83E-09	2.51E-09	6.34E-09
3498	562883.7	4234020	3.86E-08	3.44E-08	7.31E-08	6.55E-09	5.52E-09	1.21E-08	3.12E-08	2.53E-08	5.64E-08	5.11E-09	4.90E-09	1.00E-08	3.81E-09	2.50E-09	6.32E-09
3499	562892.5	4234017	3.84E-08	3.42E-08	7.26E-08	6.51E-09	5.49E-09	1.20E-08	3.10E-08	2.51E-08	5.61E-08	5.07E-09	4.87E-09	9.94E-09	3.79E-09	2.49E-09	6.28E-09
3500	562901.2	4234014	3.80E-08	3.39E-08	7.19E-08	6.45E-09	5.44E-09	1.19E-08	3.07E-08	2.49E-08	5.56E-08	5.03E-09	4.82E-09	9.85E-09	3.75E-09	2.46E-09	6.22E-09
3501	562910	4234011	3.76E-08	3.35E-08	7.11E-08	6.38E-09	5.37E-09	1.18E-08	3.03E-08	2.46E-08	5.49E-08	4.97E-09	4.77E-09	9.74E-09	3.71E-09	2.44E-09	6.15E-09
3502	562918.8	4234008	3.70E-08	3.31E-08	7.01E-08	6.29E-09	5.30E-09	1.16E-08	2.99E-08	2.42E-08	5.42E-08	4.90E-09	4.70E-09	9.60E-09	3.66E-09	2.40E-09	6.06E-09
3503	562927.6	4234005	3.64E-08	3.25E-08	6.89E-08	6.18E-09	5.21E-09	1.14E-08	2.94E-08	2.38E-08	5.33E-08	4.82E-09	4.62E-09	9.44E-09	3.60E-09	2.36E-09	5.96E-09
3504	562936.4	4234003	3.57E-08	3.19E-08	6.76E-08	6.06E-09	5.11E-09	1.12E-08	2.89E-08	2.34E-08	5.22E-08	4.73E-09	4.53E-09	9.26E-09	3.53E-09	2.32E-09	5.85E-09
3505	562945.1	4234000	3.50E-08	3.12E-08	6.62E-08	5.93E-09	5.00E-09	1.09E-08	2.82E-08	2.29E-08	5.11E-08	4.63E-09	4.44E-09	9.06E-09	3.45E-09	2.27E-09	5.72E-09
3506	562953.9	4233997	3.42E-08	3.05E-08	6.46E-08	5.80E-09	4.88E-09	1.07E-08	2.76E-08	2.23E-08	4.99E-08	4.52E-09	4.33E-09	8.85E-09	3.37E-09	2.21E-09	5.59E-09
3507	562962.7	4233994	3.33E-08	2.97E-08	6.30E-08	5.65E-09	4.76E-09	1.04E-08	2.69E-08	2.18E-08	4.86E-08	4.40E-09	4.22E-09	8.62E-09	3.29E-09	2.16E-09	5.44E-09
3508	562971.5	4233991	3.24E-08	2.89E-08	6.12E-08	5.49E-09	4.63E-09	1.01E-08	2.61E-08	2.12E-08	4.73E-08	4.28E-09	4.11E-09	8.39E-09	3.20E-09	2.10E-09	5.29E-09
3509	562997.8	4233983	2.95E-08	2.63E-08	5.57E-08	5.00E-09	4.21E-09	9.21E-09	2.38E-08	1.93E-08	4.31E-08	3.89E-09	3.74E-09	7.63E-09	2.91E-09	1.91E-09	4.82E-09
3510	563006.6	4233980	2.84E-08	2.53E-08	5.38E-08	4.82E-09	4.06E-09	8.88E-09	2.29E-08	1.86E-08	4.15E-08	3.76E-09	3.61E-09	7.36E-09	2.81E-09	1.84E-09	4.65E-09
3511	563015.4	4233977	2.73E-08	2.44E-08	5.17E-08	4.63E-09	3.90E-09	8.54E-09	2.20E-08	1.79E-08	3.99E-08	3.61E-09	3.46E-09	7.08E-09	2.70E-09	1.77E-09	4.47E-09
3512	563024.2	4233975	2.62E-08	2.34E-08	4.96E-08	4.45E-09	3.75E-09	8.20E-09	2.12E-08	1.72E-08	3.83E-08	3.47E-09	3.33E-09	6.80E-09	2.59E-09	1.70E-09	4.29E-09
3513	563032.9	4233972	2.52E-08	2.25E-08	4.77E-08	4.27E-09	3.60E-09	7.88E-09	2.03E-08	1.65E-08	3.68E-08	3.33E-09	3.20E-09	6.53E-09	2.49E-09	1.63E-09	4.12E-09
3514	563041.7	4233969	2.43E-08	2.16E-08	4.59E-08	4.11E-09	3.47E-09	7.58E-09	1.96E-08	1.59E-08	3.54E-08	3.21E-09	3.08E-09	6.28E-09	2.39E-09	1.57E-09	3.97E-09
3515	563050.5	4233966	2.33E-08	2.08E-08	4.41E-08	3.96E-09	3.34E-09	7.29E-09	1.88E-08	1.53E-08	3.41E-08	3.08E-09	2.96E-09	6.04E-09	2.30E-09	1.51E-09	3.81E-09
3516	563059.3	4233963	2.24E-08	2.00E-08	4.24E-08	3.80E-09	3.20E-09	7.01E-09	1.81E-08	1.47E-08	3.28E-08	2.96E-09	2.84E-09	5.81E-09	2.21E-09	1.45E-09	3.66E-09
3517	563068.1	4233961	2.15E-08	1.92E-08	4.07E-08	3.65E-09	3.08E-09	6.73E-09	1.74E-08	1.41E-08	3.15E-08	2.85E-09	2.73E-09	5.58E-09	2.13E-09	1.40E-09	3.52E-09
3518	563076.8	4233958	2.07E-08	1.85E-08	3.92E-08	3.51E-09	2.96E-09	6.48E-09	1.67E-08	1.36E-08	3.03E-08	2.74E-09	2.63E-09	5.37E-09	2.05E-09	1.34E-09	3.39E-09
3519	563085.6	4233955	1.99E-08	1.78E-08	3.77E-08	3.38E-09	2.85E-09	6.23E-09	1.61E-08	1.30E-08	2.91E-08	2.64E-09	2.53E-09	5.16E-09	1.97E-09	1.29E-09	3.26E-09
3520	563094.4	4233952	1.92E-08	1.71E-08	3.63E-08	3.26E-09	2.74E-09	6.00E-09	1.55E-08	1.26E-08	2.80E-08	2.54E-09	2.43E-09	4.97E-09	1.89E-09	1.24E-09	3.14E-09
3521	563103.2	4233949	1.85E-08	1.65E-08	3.50E-08	3.14E-09	2.64E-09	5.78E-09	1.49E-08	1.21E-08	2.70E-08	2.44E-09	2.35E-09	4.79E-09	1.83E-09	1.20E-09	3.02E-09
3522	563112	4233946	1.78E-08	1.59E-08	3.37E-08	3.02E-09	2.55E-09	5.57E-09	1.44E-08	1.17E-08	2.61E-08	2.36E-09	2.26E-09	4.62E-09	1.76E-09	1.16E-09	2.92E-09
3523	563120.7	4233944	1.72E-08	1.53E-08	3.26E-08	2.92E-09	2.46E-09	5.38E-09	1.39E-08	1.13E-08	2.52E-08	2.28E-09	2.18E-09	4.46E-09	1.70E-09	1.12E-09	2.81E-09
3524	563129.5	4233941	1.66E-08	1.48E-08	3.15E-08	2.82E-09	2.38E-09	5.20E-09	1.34E-08	1.09E-08	2.43E-08	2.20E-09	2.11E-09	4.31E-09	1.64E-09	1.08E-09	2.72E-09
3525	563138.3	4233938	1.61E-08	1.44E-08	3.04E-08	2.73E-09	2.30E-09	5.03E-09	1.30E-08	1.05E-08	2.35E-08	2.13E-09	2.04E-09	4.17E-09	1.59E-09	1.04E-09	2.63E-09
3526	562392.2	4234573	1.75E-08	1.56E-08	3.32E-08	2.97E-09	2.51E-09	5.48E-09	1.42E-08	1.15E-08	2.56E-08	2.32E-09	2.22E-09	4.54E-09	1.73E-09	1.14E-09	2.87E-09
3527	562391.4	4234582	1.74E-08	1.55E-08	3.29E-08	2.95E-09	2.49E-09	5.43E-09	1.40E-08	1.14E-08	2.54E-08	2.30E-09	2.21E-09	4.50E-09	1.72E-09	1.13E-09	2.84E-09
3528	562390.6	4234592	1.72E-08	1.53E-08	3.25E-08	2.92E-09	2.46E-09	5.38E-09	1.39E-08	1.13E-08	2.51E-08	2.27E-09	2.18E-09	4.46E-09	1.70E-09	1.11E-09	2.81E-09
3529	562389.8	4234601	1.70E-08	1.52E-08	3.22E-08	2.88E-09	2.43E-09	5.31E-09	1.37E-08	1.11E-08	2.48E-08	2.25E-09	2.16E-09	4.40E-09	1.68E-09	1.10E-09	2.78E-09
3530	562389	4234610	1.68E-08	1.49E-08	3.17E-08	2.84E-09	2.40E-09	5.24E-09	1.35E-08	1.10E-08	2.45E-08	2.22E-09	2.13E-09	4.34E-09	1.66E-09	1.09E-09	2.74E-09
3531	562388.2	4234620	1.65E-08	1.47E-08	3.12E-08	2.80E-09	2.36E-09	5.16E-09	1.33E-08	1.08E-08	2.41E-08	2.18E-09	2.09E-09	4.28E-09	1.63E-09	1.07E-09	2.70E-09
3532	562387.4	4234629	1.62E-08	1.45E-08	3.07E-08	2.75E-09	2.32E-09	5.07E-09	1.31E-08	1.06E-08	2.37E-08	2.14E-09	2.06E-09	4.20E-09	1.60E-09	1.05E-09	2.65E-09
3533	562386.6	4234638	1.59E-08	1.42E-08	3.01E-08	2.70E-09	2.28E-09	4.98E-09	1.29E-08	1.04E-08	2.33E-08	2.10E-09	2.02E-09	4.12E-09	1.57E-09	1.03E-09	2.60E-09
3534	562385.8	4234648	1.56E-08	1.39E-08	2.95E-08	2.65E-09	2.23E-09	4.88E-09	1.26E-08	1.02E-08	2.28E-08	2.06E-09	1.98E-09	4.04E-09	1.54E-09	1.01E-09	2.55E-09
3535	562385	4234657	1.53E-08	1.36E-08	2.89E-08	2.59E-09	2.18E-09	4.77E-09	1.23E-08	9.98E-09	2.23E-08	2.02E-09	1.94E-09	3.95E-09	1.51E-09	9.89E-10	2.50E-09
3536	562384.2	4234666	1.49E-08	1.33E-08	2.82E-08	2.53E-09	2.13E-09	4.66E-09	1.20E-08	9.75E-09	2.18E-08	1.97E-09	1.89E-09	3.86E-09	1.47E-09	9.66E-10	2.44E-09
3537	562383.4	4234676	1.45E-08	1.30E-08	2.75E-08	2.47E-09	2.08E-09	4.55E-09	1.17E-08	9.51E-09	2.12E-08	1.92E-09	1.84E-09	3.77E-09	1.44E-09	9.42E-10	2.38E-09
3538	562382.6	4234685	1.42E-08	1.26E-08	2.68E-08	2.40E-09	2.02E-09	4.43E-09	1.14E-08	9.26E-09	2.07E-08	1.87E-09	1.80E-09	3.67E-09	1.40E-09	9.17E-10	2.32E-09
3539	563069.3	4234753	3.42E-07	3.05E-07	6.46E-07	5.79E-08	4.88E-08	1.07E-07	2.76E-07	2.23E-07	4.99E-07	4.52E-08	4.33E-08	8.85E-08	3.37E-08	2.21E-08	5.59E-08
3540	563068.5	4234763	3.30E-07	2.94E-07	6.24E-07	5.60E-08	4.72E-08	1.03E-07	2.66E-07	2.16E-07	4.82E-07	4.36E-08	4.19E-08	8.55E-08	3.26E-08	2.14E-08	5.40E-08
3541	563067.6	4234773	3.15E-07	2.81E-07	5.96E-07	5.34E-08	4.50E-08	9.85E-08	2.54E-07	2.06E-07	4.60E-07	4.17E-08	4.00E-08	8.16E-08	3.11E-08	2.04E-08	5.15E-08
3542	563066.8	4234782	2.99E-07	2.67E-07	5.66E-07	5.07E-08	4.28E-08	9.35E-08	2.41E-07	1.96E-07	4.37E-07	3.95E-08	3.79E-08	7.75E-08	2.95E-08	1.94E-08	4.89E-08
3543	563066	4234792	2.82E-07	2.51E-07	5.33E-07	4.78E-08	4.03E-08	8.81E-08	2.28E-07	1.84E-07	4.12E-07	3.73E-08	3.58E-08	7.30E-08	2.78E-08	1.83E-08	4.61E-08
3544	563065.2	4234801	2.64E-07	2.35E-07	4.99E-07	4.48E-08	3.78E-08	8.25E-08	2.13E-07	1.73E-07	3.86E-07	3.49E-08	3.35E-08	6.84E-08	2.61E-08	1.71E-08	4.32E-08
3545	563064.3	4234811	2.45E-07	2.19E-07	4.64E-07	4.16E-08	3.51E-08	7.67E-08	1.98E-07	1.61E-07	3.59E-07	3.24E-08	3.11E-08	6.36E-08	2.42E-08	1.59E-08	4.01E-08

3546	563063.5	4234821	2.26E-07	2.02E-07	4.28E-07	3.84E-08	3.24E-08	7.08E-08	1.83E-07	1.48E-07	3.31E-07	2.99E-08	2.87E-08	5.86E-08	2.24E-08	1.47E-08	3.70E-08
3547	563062.7	4234830	2.07E-07	1.85E-07	3.91E-07	3.51E-08	2.96E-08	6.47E-08	1.67E-07	1.35E-07	3.02E-07	2.74E-08	2.63E-08	5.36E-08	2.04E-08	1.34E-08	3.38E-08
3548	563061.8	4234840	1.87E-07	1.67E-07	3.54E-07	3.17E-08	2.67E-08	5.84E-08	1.51E-07	1.22E-07	2.73E-07	2.47E-08	2.37E-08	4.84E-08	1.85E-08	1.21E-08	3.06E-08
3549	563061	4234849	1.67E-07	1.49E-07	3.16E-07	2.84E-08	2.39E-08	5.23E-08	1.35E-07	1.09E-07	2.44E-07	2.21E-08	2.12E-08	4.33E-08	1.65E-08	1.08E-08	2.74E-08
3550	563060.2	4234859	1.49E-07	1.33E-07	2.82E-07	2.53E-08	2.13E-08	4.67E-08	1.20E-07	9.77E-08	2.18E-07	1.97E-08	1.89E-08	3.87E-08	1.47E-08	9.67E-09	2.44E-08
3551	563059.3	4234753	2.89E-07	2.57E-07	5.46E-07	4.90E-08	4.13E-08	9.02E-08	2.33E-07	1.89E-07	4.22E-07	3.82E-08	3.66E-08	7.48E-08	2.85E-08	1.87E-08	4.72E-08
3552	563058.5	4234762	2.78E-07	2.48E-07	5.27E-07	4.72E-08	3.98E-08	8.70E-08	2.25E-07	1.82E-07	4.07E-07	3.68E-08	3.53E-08	7.21E-08	2.75E-08	1.80E-08	4.55E-08
3553	563057.7	4234772	2.65E-07	2.36E-07	5.01E-07	4.49E-08	3.79E-08	8.28E-08	2.14E-07	1.73E-07	3.87E-07	3.50E-08	3.36E-08	6.86E-08	2.61E-08	1.72E-08	4.33E-08
3554	563056.8	4234781	2.51E-07	2.23E-07	4.74E-07	4.25E-08	3.58E-08	7.83E-08	2.02E-07	1.64E-07	3.66E-07	3.31E-08	3.18E-08	6.49E-08	2.47E-08	1.62E-08	4.10E-08
3555	563056	4234791	2.36E-07	2.10E-07	4.46E-07	4.00E-08	3.37E-08	7.38E-08	1.90E-07	1.54E-07	3.45E-07	3.12E-08	2.99E-08	6.11E-08	2.33E-08	1.53E-08	3.86E-08
3556	563055.2	4234801	2.21E-07	1.97E-07	4.18E-07	3.75E-08	3.16E-08	6.91E-08	1.78E-07	1.45E-07	3.23E-07	2.92E-08	2.80E-08	5.72E-08	2.18E-08	1.43E-08	3.61E-08
3557	563054.4	4234810	2.06E-07	1.84E-07	3.89E-07	3.49E-08	2.94E-08	6.43E-08	1.66E-07	1.35E-07	3.01E-07	2.72E-08	2.61E-08	5.33E-08	2.03E-08	1.33E-08	3.37E-08
3558	563053.5	4234820	1.90E-07	1.70E-07	3.60E-07	3.23E-08	2.72E-08	5.95E-08	1.54E-07	1.25E-07	2.78E-07	2.52E-08	2.42E-08	4.93E-08	1.88E-08	1.23E-08	3.11E-08
3559	563052.7	4234829	1.75E-07	1.56E-07	3.30E-07	2.96E-08	2.50E-08	5.46E-08	1.41E-07	1.14E-07	2.55E-07	2.31E-08	2.22E-08	4.52E-08	1.72E-08	1.13E-08	2.86E-08
3560	563051.9	4234839	1.58E-07	1.41E-07	2.99E-07	2.68E-08	2.26E-08	4.94E-08	1.28E-07	1.03E-07	2.31E-07	2.09E-08	2.00E-08	4.09E-08	1.56E-08	1.02E-08	2.58E-08
3561	563051	4234849	1.41E-07	1.26E-07	2.67E-07	2.39E-08	2.02E-08	4.41E-08	1.14E-07	9.22E-08	2.06E-07	1.86E-08	1.79E-08	3.65E-08	1.39E-08	9.13E-09	2.31E-08
3562	563050.2	4234858	1.25E-07	1.12E-07	2.37E-07	2.12E-08	1.79E-08	3.92E-08	1.01E-07	8.19E-08	1.83E-07	1.66E-08	1.59E-08	3.24E-08	1.24E-08	8.12E-09	2.05E-08
3563	563049.4	4234752	2.47E-07	2.20E-07	4.68E-07	4.19E-08	3.53E-08	7.73E-08	2.00E-07	1.62E-07	3.61E-07	3.27E-08	3.14E-08	6.40E-08	2.44E-08	1.60E-08	4.04E-08
3564	563048.5	4234761	2.38E-07	2.13E-07	4.51E-07	4.04E-08	3.41E-08	7.45E-08	1.92E-07	1.56E-07	3.48E-07	3.15E-08	3.02E-08	6.17E-08	2.35E-08	1.54E-08	3.90E-08
3565	563047.7	4234771	2.26E-07	2.02E-07	4.28E-07	3.84E-08	3.24E-08	7.07E-08	1.83E-07	1.48E-07	3.31E-07	2.99E-08	2.87E-08	5.86E-08	2.23E-08	1.47E-08	3.70E-08
3566	563046.9	4234780	2.14E-07	1.91E-07	4.05E-07	3.63E-08	3.06E-08	6.69E-08	1.73E-07	1.40E-07	3.13E-07	2.83E-08	2.72E-08	5.55E-08	2.11E-08	1.39E-08	3.50E-08
3567	563046.1	4234790	2.02E-07	1.80E-07	3.82E-07	3.42E-08	2.88E-08	6.31E-08	1.63E-07	1.32E-07	2.95E-07	2.67E-08	2.56E-08	5.23E-08	1.99E-08	1.31E-08	3.30E-08
3568	563045.2	4234800	1.89E-07	1.69E-07	3.58E-07	3.21E-08	2.71E-08	5.92E-08	1.53E-07	1.24E-07	2.77E-07	2.50E-08	2.40E-08	4.91E-08	1.87E-08	1.23E-08	3.10E-08
3569	563044.4	4234809	1.77E-07	1.58E-07	3.35E-07	3.00E-08	2.53E-08	5.53E-08	1.43E-07	1.16E-07	2.58E-07	2.34E-08	2.24E-08	4.58E-08	1.75E-08	1.15E-08	2.89E-08
3570	563043.6	4234819	1.64E-07	1.46E-07	3.10E-07	2.78E-08	2.35E-08	5.13E-08	1.32E-07	1.07E-07	2.40E-07	2.17E-08	2.08E-08	4.25E-08	1.62E-08	1.06E-08	2.68E-08
3571	563042.7	4234829	1.51E-07	1.34E-07	2.85E-07	2.56E-08	2.15E-08	4.71E-08	1.22E-07	9.86E-08	2.20E-07	1.99E-08	1.91E-08	3.90E-08	1.49E-08	9.77E-09	2.46E-08
3572	563041.9	4234838	1.36E-07	1.22E-07	2.58E-07	2.31E-08	1.95E-08	4.26E-08	1.10E-07	8.92E-08	1.99E-07	1.80E-08	1.73E-08	3.53E-08	1.35E-08	8.84E-09	2.23E-08
3573	563041.1	4234848	1.22E-07	1.08E-07	2.30E-07	2.06E-08	1.74E-08	3.80E-08	9.81E-08	7.95E-08	1.78E-07	1.61E-08	1.54E-08	3.15E-08	1.20E-08	7.87E-09	1.99E-08
3574	563040.2	4234857	1.08E-07	9.60E-08	2.04E-07	1.83E-08	1.54E-08	3.36E-08	8.69E-08	7.04E-08	1.57E-07	1.42E-08	1.37E-08	2.79E-08	1.06E-08	6.97E-09	1.76E-08
3575	563039.4	4234751	2.14E-07	1.91E-07	4.06E-07	3.64E-08	3.07E-08	6.70E-08	1.73E-07	1.40E-07	3.13E-07	2.84E-08	2.72E-08	5.56E-08	2.12E-08	1.39E-08	3.51E-08
3576	563038.6	4234760	2.07E-07	1.85E-07	3.91E-07	3.51E-08	2.96E-08	6.47E-08	1.67E-07	1.35E-07	3.02E-07	2.74E-08	2.62E-08	5.36E-08	2.04E-08	1.34E-08	3.38E-08
3577	563037.8	4234770	1.97E-07	1.75E-07	3.72E-07	3.33E-08	2.81E-08	6.14E-08	1.59E-07	1.29E-07	2.87E-07	2.60E-08	2.49E-08	5.09E-08	1.94E-08	1.27E-08	3.21E-08
3578	563036.9	4234780	1.86E-07	1.66E-07	3.52E-07	3.16E-08	2.66E-08	5.82E-08	1.50E-07	1.22E-07	2.72E-07	2.46E-08	2.36E-08	4.82E-08	1.84E-08	1.21E-08	3.04E-08
3579	563036.1	4234789	1.76E-07	1.57E-07	3.33E-07	2.98E-08	2.51E-08	5.50E-08	1.42E-07	1.15E-07	2.57E-07	2.32E-08	2.23E-08	4.56E-08	1.74E-08	1.14E-08	2.88E-08
3580	563035.3	4234799	1.65E-07	1.48E-07	3.13E-07	2.81E-08	2.37E-08	5.17E-08	1.34E-07	1.08E-07	2.42E-07	2.19E-08	2.10E-08	4.29E-08	1.63E-08	1.07E-08	2.71E-08
3581	563034.4	4234808	1.55E-07	1.38E-07	2.93E-07	2.63E-08	2.22E-08	4.84E-08	1.25E-07	1.01E-07	2.26E-07	2.05E-08	1.97E-08	4.01E-08	1.53E-08	1.00E-08	2.53E-08
3582	563033.6	4234818	1.44E-07	1.28E-07	2.72E-07	2.44E-08	2.06E-08	4.50E-08	1.16E-07	9.42E-08	2.10E-07	1.90E-08	1.83E-08	3.73E-08	1.42E-08	9.33E-09	2.35E-08
3583	563032.8	4234828	1.32E-07	1.18E-07	2.50E-07	2.24E-08	1.89E-08	4.13E-08	1.07E-07	8.65E-08	1.93E-07	1.75E-08	1.68E-08	3.42E-08	1.31E-08	8.57E-09	2.16E-08
3584	563031.9	4234837	1.20E-07	1.07E-07	2.26E-07	2.03E-08	1.71E-08	3.74E-08	9.66E-08	7.83E-08	1.75E-07	1.58E-08	1.52E-08	3.10E-08	1.18E-08	7.75E-09	1.96E-08
3585	563031.1	4234847	1.07E-07	9.52E-08	2.02E-07	1.81E-08	1.53E-08	3.34E-08	8.61E-08	6.98E-08	1.56E-07	1.41E-08	1.35E-08	2.76E-08	1.05E-08	6.91E-09	1.75E-08
3586	563030.3	4234856	9.44E-08	8.42E-08	1.79E-07	1.60E-08	1.35E-08	2.95E-08	7.62E-08	6.18E-08	1.38E-07	1.25E-08	1.20E-08	2.45E-08	9.32E-09	6.12E-09	1.54E-08
3587	563029.5	4234750	1.87E-07	1.67E-07	3.54E-07	3.17E-08	2.67E-08	5.85E-08	1.51E-07	1.22E-07	2.73E-07	2.47E-08	2.37E-08	4.85E-08	1.85E-08	1.21E-08	3.06E-08
3588	563028.6	4234760	1.80E-07	1.61E-07	3.41E-07	3.06E-08	2.58E-08	5.64E-08	1.46E-07	1.18E-07	2.64E-07	2.38E-08	2.29E-08	4.67E-08	1.78E-08	1.17E-08	2.95E-08
3589	563027.8	4234769	1.72E-07	1.53E-07	3.25E-07	2.92E-08	2.46E-08	5.38E-08	1.39E-07	1.13E-07	2.51E-07	2.27E-08	2.18E-08	4.46E-08	1.70E-08	1.11E-08	2.81E-08
3590	563027	4234779	1.64E-07	1.46E-07	3.10E-07	2.78E-08	2.34E-08	5.12E-08	1.32E-07	1.07E-07	2.39E-07	2.17E-08	2.08E-08	4.24E-08	1.62E-08	1.06E-08	2.68E-08
3591	563026.1	4234788	1.56E-07	1.39E-07	2.95E-07	2.64E-08	2.23E-08	4.87E-08	1.26E-07	1.02E-07	2.28E-07	2.06E-08	1.98E-08	4.03E-08	1.54E-08	1.01E-08	2.55E-08
3592	563025.3	4234798	1.47E-07	1.31E-07	2.78E-07	2.49E-08	2.10E-08	4.59E-08	1.19E-07	9.61E-08	2.15E-07	1.94E-08	1.86E-08	3.80E-08	1.45E-08	9.52E-09	2.40E-08
3593	563024.5	4234808	1.38E-07	1.23E-07	2.60E-07	2.34E-08	1.97E-08	4.30E-08	1.11E-07	9.01E-08	2.01E-07	1.82E-08	1.75E-08	3.57E-08	1.36E-08	8.92E-09	2.25E-08
3594	563023.6	4234817	1.28E-07	1.14E-07	2.42E-07	2.17E-08	1.83E-08	4.00E-08	1.03E-07	8.37E-08	1.87E-07	1.69E-08	1.62E-08	3.31E-08	1.26E-08	8.29E-09	2.09E-08
3595	563022.8	4234827	1.17E-07	1.05E-07	2.22E-07	1.99E-08	1.68E-08	3.67E-08	9.48E-08	7.68E-08	1.72E-07	1.55E-08	1.49E-08	3.04E-08	1.16E-08	7.61E-09	1.92E-08
3596	563022	4234836	1.06E-07	9.48E-08	2.01E-07	1.80E-08	1.52E-08	3.32E-08	8.58E-08	6.95E-08	1.55E-07	1.40E-08	1.35E-08	2.75E-08	1.05E-08	6.88E-09	1.74E-08
3597	563021.2	4234846	9.50E-08	8.47E-08	1.80E-07	1.61E-08	1.36E-08	2.97E-08	7.67E-08	6.21E-08	1.39E-07	1.26E-08	1.20E-08	2.46E-08	9.38E-09	6.15E-09	1.55E-08
3598	563020.3	4234856	8.43E-08	7.52E-08	1.60E-07	1.43E-08	1.21E-08	2.64E-08	6.81E-08	5.52E-08	1.23E-07	1.12E-08	1.07E-08	2.18E-08	8.33E-09	5.46E-09	1.38E-08
3599	563019.5	4234749	1.64E-07	1.46E-07	3.10E-07	2.78E-08	2.34E-08	5.12E-08	1.32E-07	1.07E-07	2.39E-07	2.17E-08	2.08E-08	4.24E-08	1.62E-08	1.06E-08	2.68E-08
3600	563018.7	4234759	1.58E-07	1.41E-07	2.98E-07	2.68E-08	2.25E-08	4.93E-08	1.27E-07	1.03E-07	2.30E-07	2.08E-08	2.00E-08	4.09E-08	1.56E-08	1.02E-08	2.58E-08
3601	563017.8	4234768	1.52E-07	1.35E-07	2.87E-07	2.57E-08	2.17E-08	4.74E-08	1.22E-07	9.92E-08	2.22E-07	2.00E-08	1.92E-08	3.93E-08	1.50E-08	9.82E-09	2.48E-08
3602	563017	4234778	1.46E-07	1.30E-07	2.76E-07	2.47E-08	2.08E-08	4.56E-08	1.18E-07	9.54E-08	2.13E-07	1.93E-08	1.85E-08	3.78E-08	1.44E-08	9.45E-09	2.38E-08
3603	563016.2	4234788	1.40E-07	1.25E-07	2.64E-07	2.37E-08	2.00E-08	4.37E-08	1.13E-07	9.14E-08	2.04E-07	1.85E-08	1.77E-08	3.62E-08	1.38E-08	9.05E-09	2.28E-08
3604	563015.3	4234797	1.32E-07	1.18E-07	2.49E-07	2.24E-08	1.89E-08	4.12E-08	1.06E-07	8.63E-08	1.93E-07	1.74E-08	1.67E-08	3.42E-08	1.30E-08	8.54E-09	2.16E-08
3605	563014.5	4234807	1.24E-07	1.10E-07	2.34E-07	2.10E-08	1.77E-08	3.87E-08	9.98E-08	8.09E-08	1.81E-07	1.64E-08	1.57E-08	3.20E-08	1.22E-08	8.01E-09	2.02E-08
3606	563013.7	4234816	1.15E-07	1.02E-07	2.17E-07	1.95E-08	1.64E-08	3.59E-08	9.27E-08	7.51E-08	1.68E-07	1.52E-08	1.46E-08	2.98E-08	1.13E-08	7.44E-09	1.88E-08
3607	563012.8	4234826	1.05E-07	9.39E-08	1.99E-07	1.79E-08	1.51E-08	3.29E-08	8.50E-08	6.89E-08	1.54E-07	1.39E-08	1.34E-08	2.73E-08	1.04E-08	6.82E-09	1.72E-08
3608	563012	4234836	9.53E-08	8.50E-08	1.80E-07	1.62E-08	1.36E-08	2.98E-08	7.70E-08	6.24E-08	1.39E-07	1.26E-08	1.21E-08	2.47E-08	9.41E-09	6.18E-09	1.56E-08
3609	563011.2	4234845	8.54E-08	7.62E-08	1.62E-07	1.45E-08	1.22E-08	2.67E-08	6.90E-08	5.59E-08	1.25E-07	1.13E-08	1.08E-08	2.21E-08	8.43E-09	5.53E-09	1.40E-08
3610	563010.4	4234855	7.61E-08	6.79E-08	1.44E-07	1.29E-08	1.09E-08	2.38E-08	6.14E-08	4.98E-08	1.11E-07	1.01E-08	9.65E-09	1.97E-08	7.51E-09	4.93E-09	1.24E-08
3611	563009.5	4234748	1.45E-07	1.30E-07	2.75E-07	2.47E-08	2.08E-08	4.54E-08	1.17E-07	9.51E-08	2.12E-07	1.92E-08	1.84E-08	3.77E-08	1.44E-08	9.42E-09	2.38E-08
3612	563008.7	4234758	1.40E-07	1.25E-07	2.64E-07	2.37E-08	2.00E-08	4.36E-08	1.13E-07	9.13E-08	2.04E-07	1.85E-08	1.77E-08	3.62E-08	1.38E-08	9.05E-09	2.28E-08
3613	563007.9	4234767	1.35E-07	1.21E-07	2.56E-07	2.29E-08	1.93E-08	4.23E-08	1.09E-07	8.85E-08	1.98E-07	1.79E-08	1.72E-08	3.50E-08	1.34E-08	8.77E-09	2.21E-08
3614	563007	4234777	1.31E-07	1.17E-07	2.48E-07	2.22E-08	1.87E-08	4.10E-08	1.06E-07	8.57E-08	1.91E-07	1.73E-08	1.66E-08	3.39E-08	1.29E-08	8.49E-09	2.14E-08
3615	563006.2	4234787	1.26E-07	1.13E-07	2.39E-07	2.15E-08	1.81E-08	3.96E-08	1.02E-07	8.28E-08	1.85E-07	1.67E-08	1.61E-08	3.28E-08	1.25E-08	8.20E-09	2.07E-08
3616	563005.4	4234796	1.20E-07	1.07E-07	2.26E-07	2.03E-08	1.71E-08	3.74E-08	9.65E-08	7.82E-08	1.75E-07	1.58E-08	1.52E-08	3.10E-08	1.18E-08	7.75E-09	1.95E-08
3617	563004.5	4234806	1.12E-07	9.99E-08	2.12E-07	1.90E-08	1.60E-08	3.50E-08	9.05E-08	7.33E-08	1.64E-07	1.48E-08	1.42E-08	2.90E-08	1.11E-08	7.26E-09	1.83E-08
3618	563003.7	4234815	1.04E-07	9.27E-08	1.97E-07	1.76E-08	1.49E-08	3.25E-08	8.39E-08	6.80E-08	1.52E-07	1.37E-08	1.32E-08	2.69E-08	1.03E-08	6.74E-09	1.70E-08
3619	563002.9	4234825	9.53E-08	8.50E-08	1.80E-07	1.62E-08	1.36E-08	2.98E-08	7.69E-08	6.24E-08	1.39E-07	1.26E-08	1.21E-08	2.47E-08	9.41E-09	6.18E-09	1.56E-08
3620	563002.1	4234835	8.63E-08	7.70E-08	1.63E-07	1.46E-08	1.23E-08	2.70E-08	6.97E-08	5.65E-08	1.26E-07	1.14E-08	1.10E-08	2.24E-08	8.52E-09	5.59E-09	1.41E-08
3621	563001.2	4234844	7.75E-08	6.91E-08	1.47E-07	1.31E-08	1.11E-08	2.42E-08	6.26E-08	5.07E-08	1.13E-07	1.02E-08	9.83E-09	2.01E-08	7.65E-09	5.02E-09	1.27E-08
3622	563000.4	4234854	6.92E-08	6.17E-08	1.31E-07	1.17E-08	9.90E-09	2.16E-08	5.59E-08	4.53E-08	1.01E-07	9.15E-09	8.78E-09	1.79E-08	6.84E-09	4.49E-09	1.13E-08
3623	562999.6	4234747	1.31E-07	1.17E-07	2.48E-07	2.23E-08	1.88E-08	4.10E-08	1.06E-07	8.59E-08	1.92E-07	1.74E-08	1.67E-08	3.40E-08	1.30E-08	8.50E-09	2.15E-08
3624	562998.7	4234757	1.26E-07	1.12E-07	2.38E-07	2.14E-08	1.80E-08	3.94E-08	1.02E-07	8.24E-08	1.84E-07	1.67E-08	1.60E-08	3.26E-08	1.24E-08	8.16E-09	2.06E-08
3625	562997.9	4234767	1.22E-07	1.09E-07	2.31E-07	2.07E-08	1.75E-08	3.82E-08	9.87E-08	8.00E-08	1.79E-07	1.62E-08	1.55E-08	3.17E-08	1.21E-08	7.92E-09	2.00E-08
3626	562997.1	4234776	1.18E-07	1.05E-07	2.24E-07	2.01E-08	1.69E-08	3.70E-08	9.55E-08	7.74E-08	1.73E-07	1.56E-08	1.50E-08	3.06E-08	1.17E-08	7.66E-09	1.93E-08
3627	562996.2	4234786	1.14E-07	1.02E-07	2.15E-07	1.93E-08	1.63E-08	3.56E-08	9.19E-08	7.45E-08	1.66E-07	1.51E-08	1.44E-08	2.95E-08	1.12E-08	7.38E-09	1.86E-08
3628	562995.4	4234795	1.08E-07	9.63E-08	2.04E-07	1.83E-08	1.54E-08	3.38E-08	8.72E-08	7.06E-08	1.58E-07	1.43E-08	1.37E-08	2.80E-08	1.07E-08	7.00E-09	1.77E-08
3629	562994.6	4234805	1.02E-07	9.06E-08	1.92E-07	1.72E-08	1.45E-08	3.18E-08	8.20E-08	6.65E-08	1.48E-07	1.34E-08	1.29E-08	2.63E-08	1.00E-08	6.58E-09	1.66E-08
3630	562993.8	4234815	9.46E-08	8.44E-08	1.79E-07	1.61E-08	1.35E-08	2.96E-08	7.64E-08	6.19E-08	1.38E-07	1.25E-08	1.20E-08	2.45E-08	9.35E-09	6.13E-09	1.55E-08
3631	562992.9	4234824	8.68E-08	7.75E-08	1.64E-07	1.47E-08	1.24E-08	2.72E-08	7.01E-08	5.68E-08	1.27E-07	1.15E-08	1.10E-08	2.25E-08	8.58E-09	5.63E-09	1.42E-08
3632	562992.1	4234834	7.87E-08	7.02E-08	1.49E-07	1.34E-08	1.13E-08	2.46E-08	6.36E-08	5.15E-08	1.15E-07	1.04E-08	9.99E-09	2.04E-08	7.78E-09	5.10E-09	1.29E-08
3633	562991.3	4234843	7.08E-08	6.32E-08	1.34E-07	1.20E-08	1.01E-08	2.21E-08	5.72E-08	4.63E-08	1.04E-07	9.37E-09	8.99E-09	1.84E-08	6.99E-09	4.59E-09	1.16E-08
3634	562990.4	4234853	6.34E-08	5.66E-08	1.20E-07	1.08E-08	9.07E-09	1.98E-08	5.12E-08	4.15E-08	9.27E-08	8.39E-09	8.05E-09	1.64E-08	6.27E-09	4.11E-09	1.04E-08
3635	562989.6	4234747	1.20E-07	1.07E-07	2.28E-07	2.04E-08	1.72E-08	3.76E-08	9.72E-08	7.88E-08	1.76E-07	1.59E-08	1.53E-08	3.12E-08	1.19E-08	7.80E-09	1.97E-08
3636	562988.8	4234756	1.16E-07	1.03E-07	2.19E-07	1.96E-08	1.65E-08	3.62E-08	9.33E-08	7.57E-08	1.69E-07	1.53E-08	1.47E-08	3.00E-08	1.14E-08	7.49E-09	1.89E-08

3637	562987.9	4234766	1.12E-07	9.96E-08	2.11E-07	1.89E-08	1.60E-08	3.49E-08	9.02E-08	7.31E-08	1.63E-07	1.48E-08	1.42E-08	2.89E-08	1.10E-08	7.24E-09	1.83E-08
3638	562987.1	4234775	1.07E-07	9.59E-08	2.03E-07	1.82E-08	1.54E-08	3.36E-08	8.68E-08	7.03E-08	1.57E-07	1.42E-08	1.36E-08	2.78E-08	1.06E-08	6.96E-09	1.76E-08
3639	562986.3	4234785	1.03E-07	9.17E-08	1.94E-07	1.74E-08	1.47E-08	3.21E-08	8.30E-08	6.72E-08	1.50E-07	1.36E-08	1.30E-08	2.66E-08	1.01E-08	6.66E-09	1.68E-08
3640	562985.4	4234795	9.78E-08	8.73E-08	1.85E-07	1.66E-08	1.40E-08	3.06E-08	7.90E-08	6.40E-08	1.43E-07	1.29E-08	1.24E-08	2.54E-08	9.66E-09	6.34E-09	1.60E-08
3641	562984.6	4234804	9.25E-08	8.25E-08	1.75E-07	1.57E-08	1.32E-08	2.89E-08	7.47E-08	6.05E-08	1.35E-07	1.22E-08	1.17E-08	2.40E-08	9.13E-09	5.99E-09	1.51E-08
3642	562983.8	4234814	8.67E-08	7.73E-08	1.64E-07	1.47E-08	1.24E-08	2.71E-08	7.00E-08	5.67E-08	1.27E-07	1.15E-08	1.10E-08	2.25E-08	8.56E-09	5.62E-09	1.42E-08
3643	562983	4234823	7.96E-08	7.10E-08	1.51E-07	1.35E-08	1.14E-08	2.49E-08	6.43E-08	5.21E-08	1.16E-07	1.05E-08	1.01E-08	2.06E-08	7.87E-09	5.16E-09	1.30E-08
3644	562982.1	4234833	7.23E-08	6.45E-08	1.37E-07	1.23E-08	1.03E-08	2.26E-08	5.84E-08	4.73E-08	1.06E-07	9.56E-09	9.17E-09	1.87E-08	7.14E-09	4.69E-09	1.18E-08
3645	562981.3	4234843	6.52E-08	5.81E-08	1.23E-07	1.11E-08	9.32E-09	2.04E-08	5.26E-08	4.26E-08	9.52E-08	8.62E-09	8.27E-09	1.69E-08	6.43E-09	4.22E-09	1.07E-08
3646	562980.5	4234852	5.85E-08	5.22E-08	1.11E-07	9.93E-09	8.37E-09	1.83E-08	4.72E-08	3.83E-08	8.55E-08	7.74E-09	7.42E-09	1.52E-08	5.78E-09	3.79E-09	9.57E-09
3647	562979.6	4234746	1.11E-07	9.92E-08	2.10E-07	1.89E-08	1.59E-08	3.48E-08	8.98E-08	7.28E-08	1.63E-07	1.47E-08	1.41E-08	2.88E-08	1.10E-08	7.21E-09	1.82E-08
3648	562978.8	4234755	1.07E-07	9.54E-08	2.02E-07	1.82E-08	1.53E-08	3.34E-08	8.64E-08	7.00E-08	1.56E-07	1.41E-08	1.36E-08	2.77E-08	1.06E-08	6.93E-09	1.75E-08
3649	562978	4234765	1.03E-07	9.17E-08	1.95E-07	1.74E-08	1.47E-08	3.21E-08	8.30E-08	6.73E-08	1.50E-07	1.36E-08	1.30E-08	2.66E-08	1.02E-08	6.66E-09	1.68E-08
3650	562977.1	4234774	9.84E-08	8.78E-08	1.86E-07	1.67E-08	1.41E-08	3.08E-08	7.94E-08	6.44E-08	1.44E-07	1.30E-08	1.25E-08	2.55E-08	9.72E-09	6.38E-09	1.61E-08
3651	562976.3	4234784	9.35E-08	8.34E-08	1.77E-07	1.59E-08	1.34E-08	2.92E-08	7.55E-08	6.12E-08	1.37E-07	1.24E-08	1.19E-08	2.42E-08	9.24E-09	6.06E-09	1.53E-08
3652	562975.5	4234794	8.92E-08	7.96E-08	1.69E-07	1.51E-08	1.28E-08	2.79E-08	7.20E-08	5.84E-08	1.30E-07	1.18E-08	1.13E-08	2.31E-08	8.81E-09	5.78E-09	1.46E-08
3653	562974.7	4234803	8.47E-08	7.55E-08	1.60E-07	1.44E-08	1.21E-08	2.65E-08	6.84E-08	5.54E-08	1.24E-07	1.12E-08	1.07E-08	2.19E-08	8.36E-09	5.49E-09	1.38E-08
3654	562973.8	4234813	7.97E-08	7.11E-08	1.51E-07	1.35E-08	1.14E-08	2.49E-08	6.43E-08	5.21E-08	1.16E-07	1.05E-08	1.01E-08	2.06E-08	7.87E-09	5.16E-09	1.30E-08
3655	562973	4234822	7.34E-08	6.55E-08	1.39E-07	1.25E-08	1.05E-08	2.29E-08	5.92E-08	4.80E-08	1.07E-07	9.70E-09	9.31E-09	1.90E-08	7.25E-09	4.76E-09	1.20E-08
3656	562972.2	4234832	6.66E-08	5.94E-08	1.26E-07	1.13E-08	9.52E-09	2.08E-08	5.38E-08	4.36E-08	9.73E-08	8.81E-09	8.45E-09	1.73E-08	6.58E-09	4.32E-09	1.09E-08
3657	562971.3	4234842	6.00E-08	5.36E-08	1.14E-07	1.02E-08	8.59E-09	1.88E-08	4.85E-08	3.93E-08	8.78E-08	7.94E-09	7.62E-09	1.56E-08	5.93E-09	3.89E-09	9.82E-09
3658	562970.5	4234851	5.39E-08	4.81E-08	1.02E-07	9.15E-09	7.71E-09	1.69E-08	4.36E-08	3.53E-08	7.89E-08	7.13E-09	6.84E-09	1.40E-08	5.33E-09	3.50E-09	8.82E-09
3659	562959.7	4234744	9.44E-08	8.42E-08	1.79E-07	1.60E-08	1.35E-08	2.95E-08	7.63E-08	6.18E-08	1.38E-07	1.25E-08	1.20E-08	2.45E-08	9.33E-09	6.12E-09	1.54E-08
3660	562958.9	4234754	9.09E-08	8.11E-08	1.72E-07	1.54E-08	1.30E-08	2.84E-08	7.34E-08	5.95E-08	1.33E-07	1.20E-08	1.15E-08	2.36E-08	8.98E-09	5.89E-09	1.49E-08
3661	562958.1	4234763	8.71E-08	7.77E-08	1.65E-07	1.48E-08	1.25E-08	2.72E-08	7.03E-08	5.70E-08	1.27E-07	1.15E-08	1.11E-08	2.26E-08	8.60E-09	5.65E-09	1.42E-08
3662	562957.2	4234773	8.31E-08	7.41E-08	1.57E-07	1.41E-08	1.19E-08	2.60E-08	6.71E-08	5.44E-08	1.21E-07	1.10E-08	1.05E-08	2.15E-08	8.21E-09	5.38E-09	1.36E-08
3663	562956.4	4234782	7.87E-08	7.02E-08	1.49E-07	1.34E-08	1.13E-08	2.46E-08	6.36E-08	5.15E-08	1.15E-07	1.04E-08	9.99E-09	2.04E-08	7.78E-09	5.10E-09	1.29E-08
3664	562955.6	4234792	7.47E-08	6.67E-08	1.41E-07	1.27E-08	1.07E-08	2.34E-08	6.03E-08	4.89E-08	1.09E-07	9.88E-09	9.48E-09	1.94E-08	7.38E-09	4.84E-09	1.22E-08
3665	562954.7	4234802	7.07E-08	6.31E-08	1.34E-07	1.20E-08	1.01E-08	2.21E-08	5.71E-08	4.63E-08	1.03E-07	9.35E-09	8.97E-09	1.83E-08	6.98E-09	4.58E-09	1.16E-08
3666	562953.9	4234811	6.63E-08	5.92E-08	1.26E-07	1.13E-08	9.49E-09	2.07E-08	5.36E-08	4.34E-08	9.70E-08	8.77E-09	8.42E-09	1.72E-08	6.55E-09	4.30E-09	1.09E-08
3667	562953.1	4234821	6.13E-08	5.47E-08	1.16E-07	1.04E-08	8.77E-09	1.92E-08	4.95E-08	4.01E-08	8.96E-08	8.11E-09	7.78E-09	1.59E-08	6.06E-09	3.97E-09	1.00E-08
3668	562952.2	4234830	5.59E-08	4.98E-08	1.06E-07	9.48E-09	7.99E-09	1.75E-08	4.51E-08	3.65E-08	8.16E-08	7.39E-09	7.09E-09	1.45E-08	5.52E-09	3.62E-09	9.14E-09
3669	562951.4	4234840	5.06E-08	4.51E-08	9.57E-08	8.59E-09	7.24E-09	1.58E-08	4.09E-08	3.31E-08	7.40E-08	6.69E-09	6.42E-09	1.31E-08	5.00E-09	3.28E-09	8.28E-09
3670	562950.6	4234850	4.55E-08	4.06E-08	8.62E-08	7.73E-09	6.51E-09	1.42E-08	3.68E-08	2.98E-08	6.66E-08	6.02E-09	5.78E-09	1.18E-08	4.50E-09	2.95E-09	7.45E-09
3671	562939.8	4234742	8.16E-08	7.28E-08	1.54E-07	1.38E-08	1.17E-08	2.55E-08	6.59E-08	5.34E-08	1.19E-07	1.08E-08	1.03E-08	2.11E-08	8.06E-09	5.29E-09	1.33E-08
3672	562939	4234752	7.86E-08	7.01E-08	1.49E-07	1.33E-08	1.12E-08	2.46E-08	6.35E-08	5.14E-08	1.15E-07	1.04E-08	9.97E-09	2.04E-08	7.76E-09	5.09E-09	1.29E-08
3673	562938.1	4234761	7.54E-08	6.73E-08	1.43E-07	1.28E-08	1.08E-08	2.36E-08	6.09E-08	4.93E-08	1.10E-07	9.97E-09	9.57E-09	1.95E-08	7.45E-09	4.89E-09	1.23E-08
3674	562937.3	4234771	7.19E-08	6.42E-08	1.36E-07	1.22E-08	1.03E-08	2.25E-08	5.81E-08	4.71E-08	1.05E-07	9.51E-09	9.13E-09	1.86E-08	7.10E-09	4.66E-09	1.18E-08
3675	562936.5	4234781	6.81E-08	6.08E-08	1.29E-07	1.16E-08	9.75E-09	2.13E-08	5.50E-08	4.46E-08	9.96E-08	9.01E-09	8.65E-09	1.77E-08	6.73E-09	4.42E-09	1.11E-08
3676	562935.6	4234790	6.43E-08	5.74E-08	1.22E-07	1.09E-08	9.20E-09	2.01E-08	5.20E-08	4.21E-08	9.41E-08	8.51E-09	8.16E-09	1.67E-08	6.35E-09	4.17E-09	1.05E-08
3677	562934.8	4234800	6.06E-08	5.41E-08	1.15E-07	1.03E-08	8.67E-09	1.89E-08	4.89E-08	3.97E-08	8.86E-08	8.01E-09	7.69E-09	1.57E-08	5.98E-09	3.93E-09	9.91E-09
3678	562934	4234809	5.66E-08	5.05E-08	1.07E-07	9.60E-09	8.09E-09	1.77E-08	4.57E-08	3.70E-08	8.27E-08	7.48E-09	7.18E-09	1.47E-08	5.59E-09	3.67E-09	9.26E-09
3679	562933.1	4234819	5.24E-08	4.67E-08	9.91E-08	8.88E-09	7.49E-09	1.64E-08	4.23E-08	3.43E-08	7.65E-08	6.92E-09	6.64E-09	1.36E-08	5.17E-09	3.39E-09	8.56E-09
3680	562932.3	4234829	4.78E-08	4.27E-08	9.05E-08	8.11E-09	6.84E-09	1.50E-08	3.86E-08	3.13E-08	6.99E-08	6.32E-09	6.07E-09	1.24E-08	4.72E-09	3.10E-09	7.82E-09
3681	562931.5	4234838	4.35E-08	3.88E-08	8.23E-08	7.38E-09	6.22E-09	1.36E-08	3.51E-08	2.85E-08	6.36E-08	5.75E-09	5.52E-09	1.13E-08	4.30E-09	2.82E-09	7.12E-09
3682	562930.7	4234848	3.94E-08	3.52E-08	7.46E-08	6.69E-09	5.64E-09	1.23E-08	3.18E-08	2.58E-08	5.77E-08	5.22E-09	5.00E-09	1.02E-08	3.90E-09	2.56E-09	6.45E-09
3683	562919.9	4234740	7.30E-08	6.51E-08	1.38E-07	1.24E-08	1.04E-08	2.28E-08	5.89E-08	4.77E-08	1.07E-07	9.65E-09	9.26E-09	1.89E-08	7.21E-09	4.73E-09	1.19E-08
3684	562919	4234750	7.03E-08	6.27E-08	1.33E-07	1.19E-08	1.01E-08	2.20E-08	5.68E-08	4.60E-08	1.03E-07	9.29E-09	8.92E-09	1.82E-08	6.94E-09	4.56E-09	1.15E-08
3685	562918.2	4234760	6.73E-08	6.01E-08	1.27E-07	1.14E-08	9.63E-09	2.11E-08	5.44E-08	4.41E-08	9.84E-08	8.91E-09	8.55E-09	1.75E-08	6.65E-09	4.36E-09	1.10E-08
3686	562917.4	4234769	6.41E-08	5.72E-08	1.21E-07	1.09E-08	9.17E-09	2.01E-08	5.18E-08	4.20E-08	9.38E-08	8.48E-09	8.14E-09	1.66E-08	6.33E-09	4.16E-09	1.05E-08
3687	562916.5	4234779	6.07E-08	5.41E-08	1.15E-07	1.03E-08	8.68E-09	1.90E-08	4.90E-08	3.97E-08	8.87E-08	8.03E-09	7.70E-09	1.57E-08	5.99E-09	3.93E-09	9.93E-09
3688	562915.7	4234789	5.70E-08	5.09E-08	1.08E-07	9.68E-09	8.16E-09	1.78E-08	4.61E-08	3.73E-08	8.34E-08	7.54E-09	7.24E-09	1.48E-08	5.63E-09	3.70E-09	9.33E-09
3689	562914.9	4234798	5.33E-08	4.75E-08	1.01E-07	9.04E-09	7.62E-09	1.67E-08	4.30E-08	3.48E-08	7.78E-08	7.04E-09	6.76E-09	1.38E-08	5.26E-09	3.45E-09	8.71E-09
3690	562914	4234808	4.94E-08	4.40E-08	9.34E-08	8.37E-09	7.06E-09	1.54E-08	3.98E-08	3.23E-08	7.21E-08	6.53E-09	6.26E-09	1.28E-08	4.87E-09	3.20E-09	8.07E-09
3691	562913.2	4234817	4.54E-08	4.05E-08	8.59E-08	7.71E-09	6.49E-09	1.42E-08	3.67E-08	2.97E-08	6.64E-08	6.01E-09	5.76E-09	1.18E-08	4.48E-09	2.94E-09	7.43E-09
3692	562912.4	4234827	4.16E-08	3.71E-08	7.87E-08	7.06E-09	5.95E-09	1.30E-08	3.36E-08	2.72E-08	6.08E-08	5.50E-09	5.28E-09	1.08E-08	4.11E-09	2.70E-09	6.80E-09
3693	562911.6	4234837	3.80E-08	3.39E-08	7.20E-08	6.45E-09	5.44E-09	1.19E-08	3.07E-08	2.49E-08	5.56E-08	5.03E-09	4.83E-09	9.86E-09	3.76E-09	2.47E-09	6.22E-09
3694	562910.7	4234846	3.48E-08	3.10E-08	6.58E-08	5.90E-09	4.97E-09	1.09E-08	2.81E-08	2.28E-08	5.08E-08	4.60E-09	4.41E-09	9.01E-09	3.43E-09	2.25E-09	5.69E-09
3695	562899.9	4234739	6.58E-08	5.87E-08	1.25E-07	1.12E-08	9.42E-09	2.06E-08	5.32E-08	4.31E-08	9.63E-08	8.71E-09	8.35E-09	1.71E-08	6.50E-09	4.27E-09	1.08E-08
3696	562899.1	4234748	6.34E-08	5.65E-08	1.20E-07	1.08E-08	9.06E-09	1.98E-08	5.12E-08	4.15E-08	9.26E-08	8.38E-09	8.04E-09	1.64E-08	6.26E-09	4.11E-09	1.04E-08
3697	562898.3	4234758	6.04E-08	5.39E-08	1.14E-07	1.03E-08	8.64E-09	1.89E-08	4.88E-08	3.95E-08	8.83E-08	7.99E-09	7.67E-09	1.57E-08	5.97E-09	3.92E-09	9.88E-09
3698	562897.4	4234768	5.64E-08	5.03E-08	1.07E-07	9.57E-09	8.07E-09	1.76E-08	4.55E-08	3.69E-08	8.24E-08	7.46E-09	7.16E-09	1.46E-08	5.57E-09	3.66E-09	9.23E-09
3699	562896.6	4234777	5.23E-08	4.66E-08	9.89E-08	8.87E-09	7.48E-09	1.64E-08	4.22E-08	3.42E-08	7.64E-08	6.92E-09	6.64E-09	1.36E-08	5.16E-09	3.39E-09	8.55E-09
3700	562895.8	4234787	4.83E-08	4.31E-08	9.13E-08	8.19E-09	6.90E-09	1.51E-08	3.90E-08	3.16E-08	7.05E-08	6.38E-09	6.12E-09	1.25E-08	4.77E-09	3.13E-09	7.89E-09
3701	562895	4234796	4.50E-08	4.01E-08	8.51E-08	7.63E-09	6.43E-09	1.41E-08	3.63E-08	2.94E-08	6.58E-08	5.95E-09	5.71E-09	1.17E-08	4.44E-09	2.92E-09	7.36E-09
3702	562894.1	4234806	4.17E-08	3.72E-08	7.89E-08	7.07E-09	5.96E-09	1.30E-08	3.37E-08	2.73E-08	6.09E-08	5.51E-09	5.29E-09	1.08E-08	4.12E-09	2.70E-09	6.82E-09
3703	562893.3	4234816	3.84E-08	3.43E-08	7.27E-08	6.52E-09	5.50E-09	1.20E-08	3.10E-08	2.52E-08	5.62E-08	5.08E-09	4.88E-09	9.96E-09	3.80E-09	2.49E-09	6.29E-09
3704	562892.5	4234825	3.59E-08	3.20E-08	6.80E-08	6.09E-09	5.14E-09	1.12E-08	2.90E-08	2.35E-08	5.25E-08	4.75E-09	4.56E-09	9.31E-09	3.55E-09	2.33E-09	5.87E-09
3705	562891.6	4234835	3.36E-08	3.00E-08	6.36E-08	5.70E-09	4.80E-09	1.05E-08	2.71E-08	2.20E-08	4.91E-08	4.44E-09	4.26E-09	8.70E-09	3.32E-09	2.18E-09	5.49E-09
3706	562890.8	4234844	3.15E-08	2.81E-08	5.95E-08	5.34E-09	4.50E-09	9.83E-09	2.54E-08	2.06E-08	4.60E-08	4.16E-09	3.99E-09	8.15E-09	3.11E-09	2.04E-09	5.14E-09
3707	562880	4234737	5.90E-08	5.26E-08	1.12E-07	1.00E-08	8.44E-09	1.85E-08	4.76E-08	3.86E-08	8.63E-08	7.80E-09	7.49E-09	1.53E-08	5.83E-09	3.82E-09	9.65E-09
3708	562879.2	4234747	5.66E-08	5.05E-08	1.07E-07	9.60E-09	8.09E-09	1.77E-08	4.57E-08	3.70E-08	8.27E-08	7.48E-09	7.18E-09	1.47E-08	5.59E-09	3.67E-09	9.25E-09
3709	562878.3	4234756	5.39E-08	4.81E-08	1.02E-07	9.15E-09	7.71E-09	1.69E-08	4.35E-08	3.53E-08	7.88E-08	7.13E-09	6.84E-09	1.40E-08	5.33E-09	3.49E-09	8.82E-09
3710	562877.5	4234766	4.98E-08	4.45E-08	9.43E-08	8.46E-09	7.13E-09	1.56E-08	4.02E-08	3.26E-08	7.29E-08	6.59E-09	6.32E-09	1.29E-08	4.92E-09	3.23E-09	8.15E-09
3711	562876.7	4234775	4.61E-08	4.11E-08	8.71E-08	7.81E-09	6.59E-09	1.44E-08	3.72E-08	3.01E-08	6.73E-08	6.09E-09	5.84E-09	1.19E-08	4.55E-09	2.98E-09	7.53E-09
3712	562875.9	4234785	4.25E-08	3.79E-08	8.05E-08	7.22E-09	6.08E-09	1.33E-08	3.43E-08	2.78E-08	6.22E-08	5.62E-09	5.40E-09	1.10E-08	4.20E-09	2.76E-09	6.96E-09
3713	562875	4234795	3.97E-08	3.54E-08	7.51E-08	6.73E-09	5.68E-09	1.24E-08	3.20E-08	2.60E-08	5.80E-08	5.25E-09	5.04E-09	1.03E-08	3.92E-09	2.57E-09	6.49E-09
3714	562874.2	4234804	3.69E-08	3.29E-08	6.99E-08	6.27E-09	5.28E-09	1.15E-08	2.98E-08	2.42E-08	5.40E-08	4.88E-09	4.69E-09	9.57E-09	3.65E-09	2.39E-09	6.04E-09
3715	562873.4	4234814	3.42E-08	3.05E-08	6.47E-08	5.80E-09	4.89E-09	1.07E-08	2.76E-08	2.24E-08	5.00E-08	4.52E-09	4.34E-09	8.86E-09	3.38E-09	2.22E-09	5.59E-09
3716	562872.5	4234823	3.19E-08	2.84E-08	6.03E-08	5.41E-09	4.56E-09	9.97E-09	2.57E-08	2.09E-08	4.66E-08	4.22E-09	4.05E-09	8.26E-09	3.15E-09	2.07E-09	5.21E-09
3717	562871.7	4234833	2.97E-08	2.65E-08	5.62E-08	5.04E-09	4.25E-09	9.29E-09	2.40E-08	1.94E-08	4.34E-08	3.93E-09	3.77E-09	7.70E-09	2.93E-09	1.93E-09	4.86E-09
3718	562870.9	4234843	2.76E-08	2.47E-08	5.23E-08	4.69E-09	3.95E-09	8.64E-09	2.23E-08	1.81E-08	4.04E-08	3.66E-09	3.51E-09	7.16E-09	2.73E-09	1.79E-09	4.52E-09
3719	562860.1	4234735	5.07E-08	4.52E-08	9.60E-08	8.61E-09	7.25E-09	1.59E-08	4.10E-08	3.32E-08	7.41E-08	6.71E-09	6.44E-09	1.31E-08	5.01E-09	3.29E-09	8.30E-09
3720	562859.3	4234745	4.86E-08	4.34E-08	9.20E-08	8.25E-09	6.95E-09	1.52E-08	3.93E-08	3.18E-08	7.11E-08	6.43E-09	6.17E-09	1.26E-08	4.80E-09	3.15E-09	7.95E-09
3721	562858.4	4234755	4.64E-08	4.14E-08	8.77E-08	7.87E-09	6.63E-09	1.45E-08	3.74E-08	3.03E-08	6.78E-08	6.13E-09	5.88E-09	1.20E-08	4.58E-09	3.00E-09	7.58E-09
3722	562857.6	4234764	4.39E-08	3.91E-08	8.30E-08	7.44E-09	6.27E-09	1.37E-08	3.54E-08	2.87E-08	6.41E-08	5.80E-09	5.56E-09	1.14E-08	4.33E-09	2.84E-09	7.17E-09
3723	562856.8	4234774	4.13E-08	3.68E-08	7.81E-08	7.01E-09	5.91E-09	1.29E-08	3.33E-08	2.70E-08	6.04E-08	5.46E-09	5.24E-09	1.07E-08	4.08E-09	2.68E-09	6.75E-09
3724	562855.9	4234783	3.87E-08	3.46E-08	7.33E-08	6.57E-09	5.54E-09	1.21E-08	3.13E-08	2.54E-08	5.66E-08	5.12E-09	4.92E-09	1.00E-08	3.83E-09	2.51E-09	6.34E-09
3725	562855.1	4234793	3.62E-08	3.23E-08	6.86E-08	6.15E-09	5.18E-09	1.13E-08	2.93E-08	2.37E-08	5.30E-08	4.79E-09	4.60E-09	9.39E-09	3.58E-09	2.35E-09	5.93E-09
3726	562854.3	4234803	3.38E-08	3.01E-08	6.39E-08	5.73E-09	4.83E-09	1.06E-08	2.73E-08	2.21E-08	4.94E-08	4.47E-09	4.29E-09	8.75E-09	3.34E-09	2.19E-09	5.53E-09
3727	562853.4	4234812	3.14E-08	2.80E-08	5.93E-08	5.32E-09	4.49E-09	9.81E-09	2.53E-08	2.05E-08	4.59E-08	4.15E-09	3.98E-09	8.13E-09	3.10E-09	2.03E-09	5.13E-09

3728	562852.6	4234822	2.91E-08	2.59E-08	5.50E-08	4.93E-09	4.16E-09	9.09E-09	2.35E-08	1.90E-08	4.25E-08	3.84E-09	3.69E-09	7.53E-09	2.87E-09	1.88E-09	4.75E-09
3729	562851.8	4234831	2.68E-08	2.39E-08	5.08E-08	4.55E-09	3.84E-09	8.39E-09	2.17E-08	1.76E-08	3.92E-08	3.55E-09	3.41E-09	6.96E-09	2.65E-09	1.74E-09	4.39E-09
3730	562851	4234841	2.47E-08	2.21E-08	4.68E-08	4.20E-09	3.54E-09	7.73E-09	2.00E-08	1.62E-08	3.62E-08	3.27E-09	3.14E-09	6.41E-09	2.44E-09	1.60E-09	4.05E-09
3731	562840.2	4234734	4.62E-08	4.12E-08	8.75E-08	7.84E-09	6.61E-09	1.45E-08	3.73E-08	3.03E-08	6.76E-08	6.11E-09	5.87E-09	1.20E-08	4.57E-09	3.00E-09	7.56E-09
3732	562839.3	4234743	4.49E-08	4.01E-08	8.50E-08	7.62E-09	6.43E-09	1.40E-08	3.63E-08	2.94E-08	6.57E-08	5.94E-09	5.70E-09	1.16E-08	4.44E-09	2.91E-09	7.35E-09
3733	562838.5	4234753	4.35E-08	3.88E-08	8.24E-08	7.39E-09	6.23E-09	1.36E-08	3.52E-08	2.85E-08	6.37E-08	5.76E-09	5.52E-09	1.13E-08	4.30E-09	2.82E-09	7.12E-09
3734	562837.7	4234762	4.17E-08	3.72E-08	7.89E-08	7.07E-09	5.96E-09	1.30E-08	3.37E-08	2.73E-08	6.09E-08	5.51E-09	5.29E-09	1.08E-08	4.12E-09	2.70E-09	6.82E-09
3735	562836.8	4234772	3.95E-08	3.52E-08	7.47E-08	6.70E-09	5.65E-09	1.23E-08	3.19E-08	2.58E-08	5.77E-08	5.22E-09	5.01E-09	1.02E-08	3.90E-09	2.56E-09	6.46E-09
3736	562836	4234782	3.73E-08	3.32E-08	7.05E-08	6.32E-09	5.33E-09	1.17E-08	3.01E-08	2.44E-08	5.45E-08	4.93E-09	4.73E-09	9.65E-09	3.68E-09	2.41E-09	6.09E-09
3737	562835.2	4234791	3.50E-08	3.12E-08	6.62E-08	5.94E-09	5.00E-09	1.09E-08	2.82E-08	2.29E-08	5.11E-08	4.63E-09	4.44E-09	9.07E-09	3.46E-09	2.27E-09	5.72E-09
3738	562834.3	4234801	3.27E-08	2.92E-08	6.19E-08	5.55E-09	4.68E-09	1.02E-08	2.64E-08	2.14E-08	4.78E-08	4.33E-09	4.15E-09	8.48E-09	3.23E-09	2.12E-09	5.35E-09
3739	562833.5	4234810	3.05E-08	2.72E-08	5.77E-08	5.17E-09	4.36E-09	9.54E-09	2.46E-08	2.00E-08	4.46E-08	4.03E-09	3.87E-09	7.90E-09	3.01E-09	1.98E-09	4.99E-09
3740	562832.7	4234820	2.83E-08	2.53E-08	5.36E-08	4.80E-09	4.05E-09	8.85E-09	2.29E-08	1.85E-08	4.14E-08	3.74E-09	3.59E-09	7.34E-09	2.80E-09	1.84E-09	4.63E-09
3741	562831.9	4234830	2.62E-08	2.34E-08	4.96E-08	4.45E-09	3.75E-09	8.20E-09	2.12E-08	1.72E-08	3.83E-08	3.47E-09	3.33E-09	6.79E-09	2.59E-09	1.70E-09	4.29E-09
3742	562831	4234839	2.42E-08	2.16E-08	4.58E-08	4.11E-09	3.46E-09	7.57E-09	1.96E-08	1.59E-08	3.54E-08	3.20E-09	3.07E-09	6.28E-09	2.39E-09	1.57E-09	3.96E-09
3743	562820.2	4234732	4.32E-08	3.86E-08	8.18E-08	7.33E-09	6.18E-09	1.35E-08	3.49E-08	2.83E-08	6.32E-08	5.72E-09	5.48E-09	1.12E-08	4.27E-09	2.80E-09	7.07E-09
3744	562819.4	4234741	4.25E-08	3.79E-08	8.05E-08	7.22E-09	6.08E-09	1.33E-08	3.43E-08	2.78E-08	6.22E-08	5.63E-09	5.40E-09	1.10E-08	4.20E-09	2.76E-09	6.96E-09
3745	562818.6	4234751	4.17E-08	3.72E-08	7.88E-08	7.07E-09	5.96E-09	1.30E-08	3.36E-08	2.73E-08	6.09E-08	5.51E-09	5.29E-09	1.08E-08	4.11E-09	2.70E-09	6.81E-09
3746	562817.7	4234761	4.01E-08	3.58E-08	7.59E-08	6.81E-09	5.74E-09	1.25E-08	3.24E-08	2.63E-08	5.86E-08	5.31E-09	5.09E-09	1.04E-08	3.96E-09	2.60E-09	6.56E-09
3747	562816.9	4234770	3.79E-08	3.38E-08	7.18E-08	6.44E-09	5.42E-09	1.19E-08	3.06E-08	2.48E-08	5.55E-08	5.02E-09	4.81E-09	9.83E-09	3.75E-09	2.46E-09	6.20E-09
3748	562816.1	4234780	3.57E-08	3.19E-08	6.76E-08	6.06E-09	5.11E-09	1.12E-08	2.88E-08	2.34E-08	5.22E-08	4.72E-09	4.53E-09	9.25E-09	3.53E-09	2.31E-09	5.84E-09
3749	562815.3	4234790	3.35E-08	2.99E-08	6.34E-08	5.68E-09	4.79E-09	1.05E-08	2.70E-08	2.19E-08	4.90E-08	4.43E-09	4.25E-09	8.68E-09	3.31E-09	2.17E-09	5.48E-09
3750	562814.4	4234799	3.13E-08	2.79E-08	5.92E-08	5.31E-09	4.47E-09	9.78E-09	2.53E-08	2.05E-08	4.57E-08	4.14E-09	3.97E-09	8.11E-09	3.09E-09	2.03E-09	5.12E-09
3751	562813.6	4234809	2.91E-08	2.60E-08	5.51E-08	4.94E-09	4.17E-09	9.11E-09	2.35E-08	1.91E-08	4.26E-08	3.85E-09	3.70E-09	7.55E-09	2.88E-09	1.89E-09	4.76E-09
3752	562812.8	4234818	2.70E-08	2.41E-08	5.11E-08	4.59E-09	3.87E-09	8.45E-09	2.18E-08	1.77E-08	3.95E-08	3.57E-09	3.43E-09	7.00E-09	2.67E-09	1.75E-09	4.42E-09
3753	562811.9	4234828	2.50E-08	2.23E-08	4.73E-08	4.24E-09	3.58E-09	7.82E-09	2.02E-08	1.64E-08	3.66E-08	3.31E-09	3.17E-09	6.48E-09	2.47E-09	1.62E-09	4.09E-09
3754	562811.1	4234838	2.31E-08	2.06E-08	4.37E-08	3.92E-09	3.30E-09	7.22E-09	1.87E-08	1.51E-08	3.38E-08	3.06E-09	2.93E-09	5.99E-09	2.28E-09	1.50E-09	3.78E-09
3755	562800.3	4234730	4.19E-08	3.74E-08	7.93E-08	7.11E-09	5.99E-09	1.31E-08	3.38E-08	2.74E-08	6.12E-08	5.54E-09	5.32E-09	1.09E-08	4.14E-09	2.72E-09	6.85E-09
3756	562799.5	4234740	4.05E-08	3.61E-08	7.66E-08	6.87E-09	5.79E-09	1.27E-08	3.27E-08	2.65E-08	5.92E-08	5.36E-09	5.14E-09	1.05E-08	4.00E-09	2.62E-09	6.62E-09
3757	562798.6	4234749	3.89E-08	3.47E-08	7.36E-08	6.60E-09	5.56E-09	1.22E-08	3.14E-08	2.55E-08	5.69E-08	5.14E-09	4.94E-09	1.01E-08	3.84E-09	2.52E-09	6.36E-09
3758	562797.8	4234759	3.71E-08	3.31E-08	7.02E-08	6.29E-09	5.30E-09	1.16E-08	2.99E-08	2.43E-08	5.42E-08	4.90E-09	4.71E-09	9.61E-09	3.66E-09	2.40E-09	6.07E-09
3759	562797	4234769	3.51E-08	3.13E-08	6.64E-08	5.96E-09	5.02E-09	1.10E-08	2.83E-08	2.30E-08	5.13E-08	4.64E-09	4.45E-09	9.09E-09	3.47E-09	2.27E-09	5.74E-09
3760	562796.2	4234778	3.31E-08	2.95E-08	6.26E-08	5.61E-09	4.73E-09	1.03E-08	2.67E-08	2.16E-08	4.84E-08	4.37E-09	4.20E-09	8.57E-09	3.27E-09	2.14E-09	5.41E-09
3761	562795.3	4234788	3.11E-08	2.77E-08	5.88E-08	5.27E-09	4.44E-09	9.71E-09	2.51E-08	2.03E-08	4.54E-08	4.11E-09	3.94E-09	8.05E-09	3.07E-09	2.01E-09	5.08E-09
3762	562794.5	4234797	2.91E-08	2.59E-08	5.50E-08	4.93E-09	4.16E-09	9.09E-09	2.35E-08	1.90E-08	4.25E-08	3.84E-09	3.69E-09	7.53E-09	2.87E-09	1.88E-09	4.76E-09
3763	562793.7	4234807	2.71E-08	2.42E-08	5.13E-08	4.60E-09	3.88E-09	8.48E-09	2.19E-08	1.77E-08	3.96E-08	3.59E-09	3.44E-09	7.03E-09	2.68E-09	1.76E-09	4.44E-09
3764	562792.8	4234817	2.52E-08	2.25E-08	4.77E-08	4.27E-09	3.60E-09	7.88E-09	2.03E-08	1.65E-08	3.68E-08	3.33E-09	3.20E-09	6.53E-09	2.49E-09	1.63E-09	4.12E-09
3765	562792	4234826	2.33E-08	2.08E-08	4.42E-08	3.96E-09	3.34E-09	7.30E-09	1.88E-08	1.53E-08	3.41E-08	3.09E-09	2.96E-09	6.05E-09	2.30E-09	1.51E-09	3.82E-09
3766	562791.2	4234836	2.16E-08	1.93E-08	4.08E-08	3.66E-09	3.09E-09	6.75E-09	1.74E-08	1.41E-08	3.16E-08	2.86E-09	2.74E-09	5.59E-09	2.13E-09	1.40E-09	3.53E-09
3767	562780.4	4234728	3.95E-08	3.53E-08	7.48E-08	6.71E-09	5.65E-09	1.24E-08	3.19E-08	2.59E-08	5.78E-08	5.23E-09	5.02E-09	1.02E-08	3.90E-09	2.56E-09	6.47E-09
3768	562779.5	4234738	3.77E-08	3.36E-08	7.14E-08	6.40E-09	5.39E-09	1.18E-08	3.05E-08	2.47E-08	5.51E-08	4.99E-09	4.79E-09	9.77E-09	3.72E-09	2.44E-09	6.17E-09
3769	562778.7	4234748	3.58E-08	3.20E-08	6.78E-08	6.08E-09	5.12E-09	1.12E-08	2.89E-08	2.34E-08	5.24E-08	4.74E-09	4.55E-09	9.28E-09	3.54E-09	2.32E-09	5.86E-09
3770	562777.9	4234757	3.39E-08	3.02E-08	6.41E-08	5.75E-09	4.85E-09	1.06E-08	2.74E-08	2.22E-08	4.95E-08	4.48E-09	4.30E-09	8.78E-09	3.35E-09	2.20E-09	5.54E-09
3771	562777.1	4234767	3.21E-08	2.86E-08	6.07E-08	5.44E-09	4.59E-09	1.00E-08	2.59E-08	2.10E-08	4.69E-08	4.24E-09	4.07E-09	8.31E-09	3.17E-09	2.08E-09	5.25E-09
3772	562776.2	4234776	3.03E-08	2.70E-08	5.73E-08	5.13E-09	4.33E-09	9.46E-09	2.44E-08	1.98E-08	4.42E-08	4.00E-09	3.84E-09	7.84E-09	2.99E-09	1.96E-09	4.95E-09
3773	562775.4	4234786	2.84E-08	2.54E-08	5.38E-08	4.83E-09	4.07E-09	8.89E-09	2.30E-08	1.86E-08	4.16E-08	3.76E-09	3.61E-09	7.37E-09	2.81E-09	1.84E-09	4.65E-09
3774	562774.6	4234796	2.66E-08	2.38E-08	5.04E-08	4.52E-09	3.81E-09	8.33E-09	2.15E-08	1.74E-08	3.89E-08	3.52E-09	3.38E-09	6.90E-09	2.63E-09	1.73E-09	4.36E-09
3775	562773.7	4234805	2.49E-08	2.22E-08	4.71E-08	4.22E-09	3.56E-09	7.78E-09	2.01E-08	1.63E-08	3.64E-08	3.29E-09	3.16E-09	6.45E-09	2.46E-09	1.61E-09	4.07E-09
3776	562772.9	4234815	2.32E-08	2.07E-08	4.38E-08	3.93E-09	3.31E-09	7.24E-09	1.87E-08	1.52E-08	3.39E-08	3.06E-09	2.94E-09	6.00E-09	2.29E-09	1.50E-09	3.79E-09
3777	562772.1	4234824	2.15E-08	1.92E-08	4.07E-08	3.65E-09	3.08E-09	6.72E-09	1.74E-08	1.41E-08	3.14E-08	2.84E-09	2.73E-09	5.57E-09	2.12E-09	1.39E-09	3.52E-09
3778	562771.2	4234834	1.99E-08	1.78E-08	3.77E-08	3.38E-09	2.85E-09	6.23E-09	1.61E-08	1.30E-08	2.91E-08	2.64E-09	2.53E-09	5.16E-09	1.97E-09	1.29E-09	3.26E-09
3779	562740.5	4234725	3.36E-08	3.00E-08	6.36E-08	5.71E-09	4.81E-09	1.05E-08	2.72E-08	2.20E-08	4.92E-08	4.45E-09	4.27E-09	8.71E-09	3.32E-09	2.18E-09	5.50E-09
3780	562739.7	4234735	3.22E-08	2.87E-08	6.09E-08	5.46E-09	4.60E-09	1.01E-08	2.60E-08	2.11E-08	4.70E-08	4.25E-09	4.08E-09	8.34E-09	3.18E-09	2.09E-09	5.26E-09
3781	562738.9	4234744	3.07E-08	2.74E-08	5.81E-08	5.21E-09	4.39E-09	9.60E-09	2.48E-08	2.01E-08	4.49E-08	4.06E-09	3.89E-09	7.95E-09	3.03E-09	1.99E-09	5.02E-09
3782	562738	4234754	2.92E-08	2.60E-08	5.52E-08	4.95E-09	4.17E-09	9.13E-09	2.36E-08	1.91E-08	4.27E-08	3.86E-09	3.70E-09	7.56E-09	2.88E-09	1.89E-09	4.77E-09
3783	562737.2	4234763	2.77E-08	2.47E-08	5.24E-08	4.70E-09	3.96E-09	8.66E-09	2.24E-08	1.81E-08	4.05E-08	3.66E-09	3.51E-09	7.18E-09	2.74E-09	1.80E-09	4.53E-09
3784	562736.4	4234773	2.62E-08	2.34E-08	4.96E-08	4.45E-09	3.75E-09	8.20E-09	2.12E-08	1.72E-08	3.83E-08	3.47E-09	3.33E-09	6.79E-09	2.59E-09	1.70E-09	4.29E-09
3785	562735.5	4234783	2.47E-08	2.21E-08	4.68E-08	4.20E-09	3.54E-09	7.73E-09	2.00E-08	1.62E-08	3.62E-08	3.27E-09	3.14E-09	6.41E-09	2.44E-09	1.60E-09	4.05E-09
3786	562734.7	4234792	2.33E-08	2.08E-08	4.40E-08	3.95E-09	3.33E-09	7.27E-09	1.88E-08	1.52E-08	3.40E-08	3.08E-09	2.95E-09	6.03E-09	2.30E-09	1.51E-09	3.80E-09
3787	562733.9	4234802	2.18E-08	1.95E-08	4.13E-08	3.70E-09	3.12E-09	6.82E-09	1.76E-08	1.43E-08	3.19E-08	2.88E-09	2.77E-09	5.65E-09	2.15E-09	1.41E-09	3.57E-09
3788	562733.1	4234811	2.04E-08	1.82E-08	3.86E-08	3.46E-09	2.92E-09	6.38E-09	1.65E-08	1.33E-08	2.98E-08	2.70E-09	2.59E-09	5.28E-09	2.01E-09	1.32E-09	3.34E-09
3789	562732.2	4234821	1.90E-08	1.70E-08	3.60E-08	3.23E-09	2.72E-09	5.95E-09	1.54E-08	1.24E-08	2.78E-08	2.52E-09	2.41E-09	4.93E-09	1.88E-09	1.23E-09	3.11E-09
3790	562731.4	4234831	1.77E-08	1.58E-08	3.35E-08	3.00E-09	2.53E-09	5.54E-09	1.43E-08	1.16E-08	2.59E-08	2.34E-09	2.25E-09	4.59E-09	1.75E-09	1.15E-09	2.90E-09
3791	562700.7	4234722	2.94E-08	2.62E-08	5.56E-08	4.99E-09	4.20E-09	9.19E-09	2.37E-08	1.92E-08	4.30E-08	3.89E-09	3.73E-09	7.61E-09	2.90E-09	1.90E-09	4.81E-09
3792	562699.8	4234731	2.82E-08	2.52E-08	5.34E-08	4.79E-09	4.03E-09	8.82E-09	2.28E-08	1.85E-08	4.12E-08	3.73E-09	3.58E-09	7.31E-09	2.79E-09	1.83E-09	4.61E-09
3793	562699	4234741	2.70E-08	2.41E-08	5.11E-08	4.58E-09	3.86E-09	8.44E-09	2.18E-08	1.77E-08	3.95E-08	3.57E-09	3.43E-09	7.00E-09	2.67E-09	1.75E-09	4.42E-09
3794	562698.2	4234750	2.58E-08	2.30E-08	4.88E-08	4.37E-09	3.68E-09	8.06E-09	2.08E-08	1.69E-08	3.77E-08	3.41E-09	3.27E-09	6.68E-09	2.54E-09	1.67E-09	4.21E-09
3795	562697.4	4234760	2.45E-08	2.19E-08	4.64E-08	4.16E-09	3.51E-09	7.67E-09	1.98E-08	1.60E-08	3.58E-08	3.24E-09	3.11E-09	6.35E-09	2.42E-09	1.59E-09	4.01E-09
3796	562696.5	4234770	2.33E-08	2.08E-08	4.40E-08	3.95E-09	3.33E-09	7.27E-09	1.88E-08	1.52E-08	3.40E-08	3.08E-09	2.95E-09	6.03E-09	2.30E-09	1.51E-09	3.80E-09
3797	562695.7	4234779	2.20E-08	1.96E-08	4.16E-08	3.73E-09	3.15E-09	6.88E-09	1.78E-08	1.44E-08	3.22E-08	2.91E-09	2.79E-09	5.70E-09	2.17E-09	1.43E-09	3.60E-09
3798	562694.9	4234789	2.08E-08	1.85E-08	3.93E-08	3.52E-09	2.97E-09	6.49E-09	1.68E-08	1.36E-08	3.03E-08	2.75E-09	2.63E-09	5.38E-09	2.05E-09	1.35E-09	3.40E-09
3799	562694	4234798	1.95E-08	1.74E-08	3.69E-08	3.31E-09	2.79E-09	6.11E-09	1.58E-08	1.28E-08	2.85E-08	2.58E-09	2.48E-09	5.06E-09	1.93E-09	1.27E-09	3.19E-09
3800	562693.2	4234808	1.83E-08	1.63E-08	3.47E-08	3.11E-09	2.62E-09	5.73E-09	1.48E-08	1.20E-08	2.68E-08	2.42E-09	2.32E-09	4.75E-09	1.81E-09	1.19E-09	3.00E-09
3801	562692.4	4234818	1.71E-08	1.53E-08	3.24E-08	2.91E-09	2.45E-09	5.36E-09	1.38E-08	1.12E-08	2.51E-08	2.27E-09	2.18E-09	4.44E-09	1.69E-09	1.11E-09	2.80E-09
3802	562691.5	4234827	1.60E-08	1.43E-08	3.03E-08	2.72E-09	2.29E-09	5.01E-09	1.29E-08	1.05E-08	2.34E-08	2.12E-09	2.03E-09	4.15E-09	1.58E-09	1.04E-09	2.62E-09
3803	562660.8	4234718	2.56E-08	2.28E-08	4.84E-08	4.34E-09	3.66E-09	7.99E-09	2.06E-08	1.67E-08	3.74E-08	3.38E-09	3.24E-09	6.62E-09	2.52E-09	1.66E-09	4.18E-09
3804	562660	4234728	2.45E-08	2.19E-08	4.64E-08	4.16E-09	3.51E-09	7.67E-09	1.98E-08	1.61E-08	3.59E-08	3.25E-09	3.11E-09	6.36E-09	2.42E-09	1.59E-09	4.01E-09
3805	562659.2	4234737	2.35E-08	2.10E-08	4.45E-08	3.99E-09	3.36E-09	7.35E-09	1.90E-08	1.54E-08	3.44E-08	3.11E-09	2.98E-09	6.09E-09	2.32E-09	1.52E-09	3.84E-09
3806	562658.3	4234747	2.24E-08	2.00E-08	4.25E-08	3.81E-09	3.21E-09	7.02E-09	1.81E-08	1.47E-08	3.28E-08	2.97E-09	2.85E-09	5.82E-09	2.22E-09	1.45E-09	3.67E-09
3807	562657.5	4234757	2.14E-08	1.91E-08	4.05E-08	3.63E-09	3.06E-09	6.69E-09	1.73E-08	1.40E-08	3.13E-08	2.83E-09	2.71E-09	5.54E-09	2.11E-09	1.39E-09	3.50E-09
3808	562656.7	4234766	2.05E-08	1.83E-08	3.88E-08	3.48E-09	2.93E-09	6.41E-09	1.65E-08	1.34E-08	2.99E-08	2.71E-09	2.60E-09	5.31E-09	2.02E-09	1.33E-09	3.35E-09
3809	562655.8	4234776	1.96E-08	1.75E-08	3.71E-08	3.32E-09	2.80E-09	6.12E-09	1.58E-08	1.28E-08	2.86E-08	2.59E-09	2.48E-09	5.07E-09	1.93E-09	1.27E-09	3.20E-09
3810	562655	4234785	1.87E-08	1.67E-08	3.54E-08	3.17E-09	2.67E-09	5.84E-09	1.51E-08	1.22E-08	2.73E-08	2.47E-09	2.37E-09	4.84E-09	1.85E-09	1.21E-09	3.06E-09
3811	562654.2	4234795	1.76E-08	1.57E-08	3.34E-08	2.99E-09	2.52E-09	5.52E-09	1.42E-08	1.15E-08	2.58E-08	2.33E-09	2.24E-09	4.57E-09	1.74E-09	1.14E-09	2.89E-09
3812	562653.4	4234805	1.66E-08	1.48E-08	3.14E-08	2.82E-09	2.37E-09	5.19E-09	1.34E-08	1.09E-08	2.43E-08	2.20E-09	2.11E-09	4.30E-09	1.64E-09	1.08E-09	2.72E-09
3813	562652.5	4234814	1.56E-08	1.39E-08	2.95E-08	2.64E-09	2.23E-09	4.87E-09	1.26E-08	1.02E-08	2.28E-08	2.06E-09	1.98E-09	4.04E-09	1.54E-09	1.01E-09	2.55E-09
3814	562651.7	4234824	1.46E-08	1.30E-08	2.76E-08	2.48E-09	2.09E-09	4.57E-09	1.18E-08	9.55E-09	2.13E-08	1.93E-09	1.85E-09	3.78E-09	1.44E-09	9.46E-10	2.39E-09
3815	562621	4234715	2.31E-08	2.06E-08	4.37E-08	3.92E-09	3.30E-09	7.23E-09	1.87E-08	1.51E-08	3.38E-08	3.06E-09	2.93E-09	5.99E-09	2.28E-09	1.50E-09	3.78E-09
3816	562620.1	4234724	2.23E-08	1.99E-08	4.21E-08	3.78E-09	3.19E-09	6.96E-09	1.80E-08	1.46E-08	3.26E-08	2.95E-09	2.83E-09	5.77E-09	2.20E-09	1.44E-09	3.64E-09
3817	562619.3	4234734	2.12E-08	1.89E-08	4.01E-08	3.60E-09	3.03E-09	6.63E-09	1.71E-08	1.39E-08	3.10E-08	2.81E-09	2.69E-09	5.50E-09	2.10E-09	1.38E-09	3.47E-09
3818	562618.5	4234743	2.01E-08	1.79E-08	3.80E-08	3.41E-09	2.88E-09	6.29E-09	1.62E-08	1.32E-08	2.94E-08	2.66E-09	2.55E-09	5.21E-09	1.99E-09	1.30E-09	3.29E-09

3819	562617.7	4234753	1.90E-08	1.70E-08	3.60E-08	3.23E-09	2.72E-09	5.94E-09	1.53E-08	1.24E-08	2.78E-08	2.51E-09	2.41E-09	4.93E-09	1.88E-09	1.23E-09	3.11E-09
3820	562616.8	4234763	1.81E-08	1.61E-08	3.42E-08	3.07E-09	2.58E-09	5.65E-09	1.46E-08	1.18E-08	2.64E-08	2.39E-09	2.29E-09	4.68E-09	1.78E-09	1.17E-09	2.96E-09
3821	562616	4234772	1.72E-08	1.53E-08	3.25E-08	2.92E-09	2.46E-09	5.38E-09	1.39E-08	1.13E-08	2.51E-08	2.27E-09	2.18E-09	4.46E-09	1.70E-09	1.11E-09	2.81E-09
3822	562615.2	4234782	1.63E-08	1.46E-08	3.09E-08	2.77E-09	2.33E-09	5.10E-09	1.32E-08	1.07E-08	2.38E-08	2.16E-09	2.07E-09	4.23E-09	1.61E-09	1.06E-09	2.67E-09
3823	562614.3	4234791	1.55E-08	1.38E-08	2.94E-08	2.63E-09	2.22E-09	4.85E-09	1.25E-08	1.02E-08	2.27E-08	2.05E-09	1.97E-09	4.02E-09	1.53E-09	1.01E-09	2.54E-09
3824	562613.5	4234801	1.48E-08	1.32E-08	2.81E-08	2.52E-09	2.12E-09	4.64E-09	1.20E-08	9.71E-09	2.17E-08	1.96E-09	1.88E-09	3.84E-09	1.46E-09	9.61E-10	2.43E-09
3825	562612.7	4234811	1.41E-08	1.26E-08	2.68E-08	2.40E-09	2.02E-09	4.42E-09	1.14E-08	9.25E-09	2.07E-08	1.87E-09	1.79E-09	3.66E-09	1.40E-09	9.16E-10	2.31E-09
3826	562611.8	4234820	1.34E-08	1.19E-08	2.53E-08	2.27E-09	1.91E-09	4.18E-09	1.08E-08	8.75E-09	1.96E-08	1.77E-09	1.70E-09	3.47E-09	1.32E-09	8.67E-10	2.19E-09
3827	562581.1	4234711	2.11E-08	1.88E-08	3.99E-08	3.58E-09	3.02E-09	6.59E-09	1.70E-08	1.38E-08	3.08E-08	2.79E-09	2.68E-09	5.46E-09	2.08E-09	1.37E-09	3.45E-09
3828	562580.3	4234721	2.03E-08	1.81E-08	3.85E-08	3.45E-09	2.91E-09	6.36E-09	1.64E-08	1.33E-08	2.97E-08	2.69E-09	2.58E-09	5.27E-09	2.01E-09	1.32E-09	3.32E-09
3829	562579.5	4234730	1.94E-08	1.73E-08	3.68E-08	3.30E-09	2.78E-09	6.08E-09	1.57E-08	1.27E-08	2.84E-08	2.57E-09	2.47E-09	5.04E-09	1.92E-09	1.26E-09	3.18E-09
3830	562578.6	4234740	1.85E-08	1.65E-08	3.49E-08	3.13E-09	2.64E-09	5.77E-09	1.49E-08	1.21E-08	2.70E-08	2.44E-09	2.34E-09	4.78E-09	1.82E-09	1.20E-09	3.02E-09
3831	562577.8	4234750	1.75E-08	1.56E-08	3.31E-08	2.97E-09	2.50E-09	5.47E-09	1.41E-08	1.14E-08	2.56E-08	2.31E-09	2.22E-09	4.53E-09	1.73E-09	1.13E-09	2.86E-09
3832	562577	4234759	1.66E-08	1.48E-08	3.14E-08	2.82E-09	2.37E-09	5.19E-09	1.34E-08	1.09E-08	2.43E-08	2.19E-09	2.11E-09	4.30E-09	1.64E-09	1.08E-09	2.71E-09
3833	562576.1	4234769	1.58E-08	1.41E-08	2.99E-08	2.68E-09	2.26E-09	4.93E-09	1.27E-08	1.03E-08	2.31E-08	2.09E-09	2.00E-09	4.09E-09	1.56E-09	1.02E-09	2.58E-09
3834	562575.3	4234778	1.50E-08	1.33E-08	2.83E-08	2.54E-09	2.14E-09	4.68E-09	1.21E-08	9.79E-09	2.19E-08	1.98E-09	1.90E-09	3.87E-09	1.48E-09	9.69E-10	2.45E-09
3835	562574.5	4234788	1.41E-08	1.26E-08	2.68E-08	2.40E-09	2.02E-09	4.42E-09	1.14E-08	9.25E-09	2.07E-08	1.87E-09	1.79E-09	3.66E-09	1.40E-09	9.16E-10	2.31E-09
3836	562573.7	4234798	1.34E-08	1.19E-08	2.53E-08	2.27E-09	1.91E-09	4.18E-09	1.08E-08	8.75E-09	1.96E-08	1.77E-09	1.70E-09	3.47E-09	1.32E-09	8.67E-10	2.19E-09
3837	562572.8	4234807	1.26E-08	1.13E-08	2.39E-08	2.14E-09	1.81E-09	3.95E-09	1.02E-08	8.26E-09	1.85E-08	1.67E-09	1.60E-09	3.27E-09	1.25E-09	8.18E-10	2.07E-09
3838	562572	4234817	1.19E-08	1.06E-08	2.25E-08	2.02E-09	1.70E-09	3.72E-09	9.62E-09	7.79E-09	1.74E-08	1.57E-09	1.51E-09	3.09E-09	1.18E-09	7.72E-10	1.95E-09
3839	562541.3	4234708	1.92E-08	1.71E-08	3.63E-08	3.25E-09	2.74E-09	5.99E-09	1.55E-08	1.25E-08	2.80E-08	2.53E-09	2.43E-09	4.97E-09	1.89E-09	1.24E-09	3.13E-09
3840	562540.4	4234717	1.85E-08	1.65E-08	3.50E-08	3.14E-09	2.64E-09	5.78E-09	1.49E-08	1.21E-08	2.70E-08	2.45E-09	2.35E-09	4.79E-09	1.83E-09	1.20E-09	3.02E-09
3841	562539.6	4234727	1.78E-08	1.59E-08	3.37E-08	3.02E-09	2.55E-09	5.57E-09	1.44E-08	1.17E-08	2.60E-08	2.36E-09	2.26E-09	4.62E-09	1.76E-09	1.15E-09	2.91E-09
3842	562538.8	4234737	1.71E-08	1.53E-08	3.24E-08	2.90E-09	2.45E-09	5.35E-09	1.38E-08	1.12E-08	2.50E-08	2.26E-09	2.17E-09	4.44E-09	1.69E-09	1.11E-09	2.80E-09
3843	562538	4234746	1.64E-08	1.46E-08	3.11E-08	2.79E-09	2.35E-09	5.13E-09	1.33E-08	1.07E-08	2.40E-08	2.17E-09	2.08E-09	4.25E-09	1.62E-09	1.06E-09	2.69E-09
3844	562537.1	4234756	1.57E-08	1.40E-08	2.97E-08	2.67E-09	2.25E-09	4.91E-09	1.27E-08	1.03E-08	2.30E-08	2.08E-09	1.99E-09	4.07E-09	1.55E-09	1.02E-09	2.57E-09
3845	562536.3	4234765	1.49E-08	1.33E-08	2.82E-08	2.53E-09	2.13E-09	4.66E-09	1.20E-08	9.76E-09	2.18E-08	1.97E-09	1.89E-09	3.86E-09	1.47E-09	9.67E-10	2.44E-09
3846	562535.5	4234775	1.41E-08	1.26E-08	2.68E-08	2.40E-09	2.02E-09	4.42E-09	1.14E-08	9.25E-09	2.07E-08	1.87E-09	1.79E-09	3.66E-09	1.40E-09	9.16E-10	2.31E-09
3847	562534.6	4234785	1.34E-08	1.19E-08	2.53E-08	2.27E-09	1.91E-09	4.18E-09	1.08E-08	8.76E-09	1.96E-08	1.77E-09	1.70E-09	3.47E-09	1.32E-09	8.67E-10	2.19E-09
3848	562533.8	4234794	1.26E-08	1.12E-08	2.38E-08	2.14E-09	1.80E-09	3.94E-09	1.02E-08	8.25E-09	1.84E-08	1.67E-09	1.60E-09	3.27E-09	1.24E-09	8.17E-10	2.06E-09
3849	562533	4234804	1.18E-08	1.06E-08	2.24E-08	2.01E-09	1.69E-09	3.70E-09	9.56E-09	7.75E-09	1.73E-08	1.57E-09	1.50E-09	3.07E-09	1.17E-09	7.67E-10	1.94E-09
3850	562532.1	4234813	1.11E-08	9.89E-09	2.10E-08	1.88E-09	1.59E-09	3.47E-09	8.96E-09	7.26E-09	1.62E-08	1.47E-09	1.41E-09	2.87E-09	1.10E-09	7.19E-10	1.81E-09
3851	562501.4	4234704	1.75E-08	1.56E-08	3.31E-08	2.97E-09	2.50E-09	5.48E-09	1.41E-08	1.15E-08	2.56E-08	2.32E-09	2.22E-09	4.54E-09	1.73E-09	1.13E-09	2.86E-09
3852	562500.6	4234714	1.69E-08	1.51E-08	3.20E-08	2.87E-09	2.42E-09	5.29E-09	1.37E-08	1.11E-08	2.47E-08	2.24E-09	2.15E-09	4.39E-09	1.67E-09	1.10E-09	2.77E-09
3853	562499.8	4234724	1.63E-08	1.46E-08	3.09E-08	2.77E-09	2.33E-09	5.10E-09	1.32E-08	1.07E-08	2.39E-08	2.16E-09	2.07E-09	4.23E-09	1.61E-09	1.06E-09	2.67E-09
3854	562498.9	4234733	1.57E-08	1.40E-08	2.97E-08	2.67E-09	2.25E-09	4.91E-09	1.27E-08	1.03E-08	2.30E-08	2.08E-09	1.99E-09	4.07E-09	1.55E-09	1.02E-09	2.57E-09
3855	562498.1	4234743	1.51E-08	1.35E-08	2.86E-08	2.56E-09	2.16E-09	4.72E-09	1.22E-08	9.87E-09	2.21E-08	2.00E-09	1.91E-09	3.91E-09	1.49E-09	9.78E-10	2.47E-09
3856	562497.3	4234752	1.45E-08	1.29E-08	2.74E-08	2.45E-09	2.07E-09	4.52E-09	1.17E-08	9.46E-09	2.11E-08	1.91E-09	1.83E-09	3.75E-09	1.43E-09	9.37E-10	2.37E-09
3857	562496.4	4234762	1.38E-08	1.23E-08	2.62E-08	2.35E-09	1.98E-09	4.32E-09	1.12E-08	9.05E-09	2.02E-08	1.83E-09	1.75E-09	3.58E-09	1.37E-09	8.96E-10	2.26E-09
3858	562495.6	4234772	1.32E-08	1.18E-08	2.50E-08	2.24E-09	1.89E-09	4.13E-09	1.07E-08	8.63E-09	1.93E-08	1.74E-09	1.67E-09	3.42E-09	1.30E-09	8.55E-10	2.16E-09
3859	562494.8	4234781	1.26E-08	1.12E-08	2.38E-08	2.13E-09	1.80E-09	3.93E-09	1.01E-08	8.22E-09	1.84E-08	1.66E-09	1.59E-09	3.25E-09	1.24E-09	8.14E-10	2.05E-09
3860	562493.9	4234791	1.19E-08	1.06E-08	2.26E-08	2.02E-09	1.71E-09	3.73E-09	9.64E-09	7.81E-09	1.74E-08	1.58E-09	1.51E-09	3.09E-09	1.18E-09	7.73E-10	1.95E-09
3861	562493.1	4234800	1.13E-08	1.01E-08	2.14E-08	1.92E-09	1.62E-09	3.54E-09	9.14E-09	7.41E-09	1.65E-08	1.50E-09	1.44E-09	2.93E-09	1.12E-09	7.33E-10	1.85E-09
3862	562492.3	4234810	1.07E-08	9.56E-09	2.03E-08	1.82E-09	1.53E-09	3.35E-09	8.65E-09	7.01E-09	1.57E-08	1.42E-09	1.36E-09	2.78E-09	1.06E-09	6.95E-10	1.75E-09
3863	562461.6	4234701	1.61E-08	1.44E-08	3.04E-08	2.73E-09	2.30E-09	5.03E-09	1.30E-08	1.05E-08	2.35E-08	2.13E-09	2.04E-09	4.17E-09	1.59E-09	1.04E-09	2.63E-09
3864	562460.7	4234710	1.56E-08	1.39E-08	2.95E-08	2.64E-09	2.23E-09	4.87E-09	1.26E-08	1.02E-08	2.28E-08	2.06E-09	1.98E-09	4.03E-09	1.54E-09	1.01E-09	2.55E-09
3865	562459.9	4234720	1.50E-08	1.34E-08	2.84E-08	2.55E-09	2.15E-09	4.70E-09	1.21E-08	9.84E-09	2.20E-08	1.99E-09	1.91E-09	3.90E-09	1.48E-09	9.74E-10	2.46E-09
3866	562459.1	4234730	1.45E-08	1.29E-08	2.74E-08	2.46E-09	2.07E-09	4.53E-09	1.17E-08	9.48E-09	2.12E-08	1.92E-09	1.84E-09	3.76E-09	1.43E-09	9.39E-10	2.37E-09
3867	562458.2	4234739	1.39E-08	1.24E-08	2.64E-08	2.36E-09	1.99E-09	4.36E-09	1.13E-08	9.12E-09	2.04E-08	1.84E-09	1.77E-09	3.61E-09	1.38E-09	9.03E-10	2.28E-09
3868	562457.4	4234749	1.34E-08	1.19E-08	2.53E-08	2.27E-09	1.91E-09	4.18E-09	1.08E-08	8.75E-09	1.96E-08	1.77E-09	1.70E-09	3.47E-09	1.32E-09	8.67E-10	2.19E-09
3869	562456.6	4234759	1.28E-08	1.14E-08	2.42E-08	2.17E-09	1.83E-09	4.01E-09	1.03E-08	8.38E-09	1.87E-08	1.69E-09	1.63E-09	3.32E-09	1.27E-09	8.30E-10	2.10E-09
3870	562455.8	4234768	1.22E-08	1.09E-08	2.32E-08	2.08E-09	1.75E-09	3.83E-09	9.89E-09	8.01E-09	1.79E-08	1.62E-09	1.55E-09	3.17E-09	1.21E-09	7.93E-10	2.00E-09
3871	562454.9	4234778	1.17E-08	1.04E-08	2.21E-08	1.98E-09	1.67E-09	3.65E-09	9.43E-09	7.64E-09	1.71E-08	1.54E-09	1.48E-09	3.03E-09	1.15E-09	7.57E-10	1.91E-09
3872	562454.1	4234787	1.11E-08	9.92E-09	2.10E-08	1.89E-09	1.59E-09	3.48E-09	8.98E-09	7.28E-09	1.63E-08	1.47E-09	1.41E-09	2.88E-09	1.10E-09	7.21E-10	1.82E-09
3873	562453.3	4234797	1.06E-08	9.43E-09	2.00E-08	1.79E-09	1.51E-09	3.30E-09	8.53E-09	6.91E-09	1.54E-08	1.40E-09	1.34E-09	2.74E-09	1.04E-09	6.85E-10	1.73E-09
3874	562452.4	4234807	1.00E-08	8.95E-09	1.90E-08	1.70E-09	1.43E-09	3.14E-09	8.10E-09	6.56E-09	1.47E-08	1.33E-09	1.27E-09	2.60E-09	9.90E-10	6.50E-10	1.64E-09
3875	562421.7	4234697	1.49E-08	1.33E-08	2.81E-08	2.52E-09	2.12E-09	4.64E-09	1.20E-08	9.72E-09	2.17E-08	1.96E-09	1.88E-09	3.85E-09	1.47E-09	9.63E-10	2.43E-09
3876	562420.9	4234707	1.44E-08	1.28E-08	2.72E-08	2.44E-09	2.06E-09	4.50E-09	1.16E-08	9.42E-09	2.10E-08	1.90E-09	1.83E-09	3.73E-09	1.42E-09	9.33E-10	2.35E-09
3877	562420.1	4234717	1.39E-08	1.24E-08	2.63E-08	2.36E-09	1.99E-09	4.35E-09	1.12E-08	9.10E-09	2.03E-08	1.84E-09	1.77E-09	3.61E-09	1.37E-09	9.02E-10	2.28E-09
3878	562419.2	4234726	1.34E-08	1.20E-08	2.54E-08	2.28E-09	1.92E-09	4.20E-09	1.08E-08	8.79E-09	1.96E-08	1.78E-09	1.70E-09	3.48E-09	1.33E-09	8.70E-10	2.20E-09
3879	562418.4	4234736	1.29E-08	1.15E-08	2.45E-08	2.19E-09	1.85E-09	4.04E-09	1.04E-08	8.46E-09	1.89E-08	1.71E-09	1.64E-09	3.35E-09	1.28E-09	8.38E-10	2.11E-09
3880	562417.6	4234745	1.24E-08	1.11E-08	2.35E-08	2.11E-09	1.78E-09	3.89E-09	1.00E-08	8.13E-09	1.82E-08	1.64E-09	1.58E-09	3.22E-09	1.23E-09	8.05E-10	2.03E-09
3881	562416.7	4234755	1.19E-08	1.06E-08	2.25E-08	2.02E-09	1.70E-09	3.73E-09	9.62E-09	7.80E-09	1.74E-08	1.58E-09	1.51E-09	3.09E-09	1.18E-09	7.72E-10	1.95E-09
3882	562415.9	4234765	1.14E-08	1.02E-08	2.16E-08	1.94E-09	1.63E-09	3.57E-09	9.21E-09	7.46E-09	1.67E-08	1.51E-09	1.45E-09	2.96E-09	1.13E-09	7.39E-10	1.87E-09
3883	562415.1	4234774	1.09E-08	9.72E-09	2.06E-08	1.85E-09	1.56E-09	3.41E-09	8.80E-09	7.13E-09	1.59E-08	1.44E-09	1.38E-09	2.82E-09	1.08E-09	7.06E-10	1.78E-09
3884	562414.2	4234784	1.04E-08	9.27E-09	1.97E-08	1.76E-09	1.49E-09	3.25E-09	8.39E-09	6.80E-09	1.52E-08	1.37E-09	1.32E-09	2.69E-09	1.03E-09	6.74E-10	1.70E-09
3885	562413.4	4234793	9.90E-09	8.83E-09	1.87E-08	1.68E-09	1.42E-09	3.09E-09	7.99E-09	6.48E-09	1.45E-08	1.31E-09	1.26E-09	2.56E-09	9.77E-10	6.41E-10	1.62E-09
3886	562412.6	4234803	9.41E-09	8.40E-09	1.78E-08	1.60E-09	1.35E-09	2.94E-09	7.60E-09	6.16E-09	1.38E-08	1.24E-09	1.19E-09	2.44E-09	9.30E-10	6.10E-10	1.54E-09
3887	562381.9	4234694	1.38E-08	1.23E-08	2.61E-08	2.34E-09	1.97E-09	4.31E-09	1.11E-08	9.01E-09	2.01E-08	1.82E-09	1.75E-09	3.57E-09	1.36E-09	8.93E-10	2.25E-09
3888	562381	4234704	1.34E-08	1.19E-08	2.53E-08	2.27E-09	1.91E-09	4.18E-09	1.08E-08	8.74E-09	1.95E-08	1.77E-09	1.69E-09	3.46E-09	1.32E-09	8.65E-10	2.18E-09
3889	562380.2	4234713	1.29E-08	1.15E-08	2.45E-08	2.19E-09	1.85E-09	4.04E-09	1.04E-08	8.46E-09	1.89E-08	1.71E-09	1.64E-09	3.35E-09	1.28E-09	8.38E-10	2.11E-09
3890	562379.4	4234723	1.25E-08	1.11E-08	2.36E-08	2.12E-09	1.79E-09	3.90E-09	1.01E-08	8.17E-09	1.83E-08	1.65E-09	1.58E-09	3.24E-09	1.23E-09	8.09E-10	2.04E-09
3891	562378.5	4234732	1.20E-08	1.07E-08	2.28E-08	2.04E-09	1.72E-09	3.76E-09	9.72E-09	7.88E-09	1.76E-08	1.59E-09	1.53E-09	3.12E-09	1.19E-09	7.80E-10	1.97E-09
3892	562377.7	4234742	1.16E-08	1.03E-08	2.19E-08	1.97E-09	1.66E-09	3.62E-09	9.35E-09	7.58E-09	1.69E-08	1.53E-09	1.47E-09	3.00E-09	1.14E-09	7.51E-10	1.89E-09
3893	562376.9	4234752	1.11E-08	9.92E-09	2.11E-08	1.89E-09	1.59E-09	3.48E-09	8.98E-09	7.28E-09	1.63E-08	1.47E-09	1.41E-09	2.88E-09	1.10E-09	7.21E-10	1.82E-09
3894	562376.1	4234761	1.07E-08	9.51E-09	2.02E-08	1.81E-09	1.53E-09	3.33E-09	8.61E-09	6.98E-09	1.56E-08	1.41E-09	1.35E-09	2.76E-09	1.05E-09	6.91E-10	1.74E-09
3895	562375.2	4234771	1.02E-08	9.10E-09	1.93E-08	1.73E-09	1.46E-09	3.19E-09	8.24E-09	6.68E-09	1.49E-08	1.35E-09	1.29E-09	2.64E-09	1.01E-09	6.61E-10	1.67E-09
3896	562374.4	4234780	9.75E-09	8.70E-09	1.84E-08	1.65E-09	1.39E-09	3.05E-09	7.87E-09	6.38E-09	1.43E-08	1.29E-09	1.24E-09	2.53E-09	9.63E-10	6.32E-10	1.59E-09
3897	562373.6	4234790	9.30E-09	8.30E-09	1.76E-08	1.58E-09	1.33E-09	2.91E-09	7.51E-09	6.09E-09	1.36E-08	1.23E-09	1.18E-09	2.41E-09	9.18E-10	6.03E-10	1.52E-09
3898	562372.7	4234800	8.86E-09	7.90E-09	1.68E-08	1.50E-09	1.27E-09	2.77E-09	7.15E-09	5.80E-09	1.30E-08	1.17E-09	1.12E-09	2.30E-09	8.75E-10	5.74E-10	1.45E-09
3899	563065.4	4234869	1.48E-07	1.32E-07	2.81E-07	2.52E-08	2.12E-08	4.64E-08	1.20E-07	9.71E-08	2.17E-07	1.96E-08	1.88E-08	3.85E-08	1.47E-08	9.62E-09	2.43E-08
3900	563073.8	4234873	1.69E-07	1.51E-07	3.20E-07	2.87E-08	2.42E-08	5.29E-08	1.37E-07	1.11E-07	2.47E-07	2.24E-08	2.15E-08	4.38E-08	1.67E-08	1.10E-08	2.77E-08
3901	563082.3	4234878	2.02E-07	1.80E-07	3.82E-07	3.42E-08	2.89E-08	6.31E-08	1.63E-07	1.32E-07	2.95E-07	2.67E-08	2.56E-08	5.23E-08	1.99E-08	1.31E-08	3.30E-08
3902	563090.7	4234882	2.49E-07	2.22E-07	4.71E-07	4.22E-08	3.56E-08	7.78E-08	2.01E-07	1.63E-07	3.64E-07	3.29E-08	3.16E-08	6.45E-08	2.46E-08	1.61E-08	4.07E-08
3903	563099.2	4234887	2.97E-07	2.65E-07	5.61E-07	5.03E-08	4.24E-08	9.27E-08	2.39E-07	1.94E-07	4.34E-07	3.92E-08	3.76E-08	7.69E-08	2.93E-08	1.92E-08	4.85E-08
3904	563107.7	4234891	3.33E-07	2.97E-07	6.30E-07	5.65E-08	4.76E-08	1.04E-07	2.69E-07	2.18E-07	4.87E-07	4.40E-08	4.22E-08	8.63E-08	3.29E-08	2.16E-08	5.45E-08
3905	563116.1	4234896	3.58E-07	3.19E-07	6.76E-07	6.07E-08	5.11E-08	1.12E-07	2.89E-07	2.34E-07	5.23E-07	4.73E-08	4.54E-08	9.26E-08	3.53E-08	2.32E-08	5.85E-08
3906	563124.6	4234901	3.73E-07	3.33E-07	7.06E-07	6.33E-08	5.33E-08	1.17E-07	3.01E-07	2.44E-07	5.45E-07	4.93E-08	4.73E-08	9.66E-08	3.68E-08	2.42E-08	6.10E-08
3907	563133	4234905	3.81E-07	3.40E-07	7.21E-07	6.46E-08	5.45E-08	1.19E-07	3.08E-07	2.49E-07	5.57E-07	5.04E-08	4.83E-08	9.87E-08	3.76E-08	2.47E-08	6.23E-08
3908	563141.5	4234910	3.82E-07	3.41E-07	7.22E-07	6.48E-08	5.46E-08	1.19E-07	3.08E-07	2.50E-07	5.58E-07	5.05E-08	4.84E-08	9.89E-08	3.77E-08	2.47E-08	6.25E-08
3909	563149.9	4234914	3.76E-07	3.35E-07	7.11E-07	6.38E-08	5.38E-08	1.18E-07	3.03E-07	2.46E-07	5.49E-07	4.97E-08	4.77E-08	9.74E-08	3.71E-08	2.44E-08	6.15E-08

3910	563158.4	4234919	3.63E-07	3.24E-07	6.88E-07	6.17E-08	5.20E-08	1.14E-07	2.93E-07	2.38E-07	5.31E-07	4.81E-08	4.61E-08	9.42E-08	3.59E-08	2.36E-08	5.94E-08
3911	563166.8	4234923	3.46E-07	3.08E-07	6.54E-07	5.86E-08	4.94E-08	1.08E-07	2.79E-07	2.26E-07	5.05E-07	4.57E-08	4.39E-08	8.96E-08	3.41E-08	2.24E-08	5.65E-08
3912	563175.3	4234928	3.25E-07	2.90E-07	6.15E-07	5.52E-08	4.65E-08	1.02E-07	2.63E-07	2.13E-07	4.75E-07	4.30E-08	4.13E-08	8.43E-08	3.21E-08	2.11E-08	5.32E-08
3913	563183.7	4234932	3.02E-07	2.69E-07	5.71E-07	5.12E-08	4.31E-08	9.43E-08	2.43E-07	1.97E-07	4.41E-07	3.99E-08	3.83E-08	7.81E-08	2.98E-08	1.95E-08	4.93E-08
3914	563192.2	4234937	2.74E-07	2.45E-07	5.19E-07	4.66E-08	3.92E-08	8.58E-08	2.22E-07	1.80E-07	4.01E-07	3.63E-08	3.48E-08	7.11E-08	2.71E-08	1.78E-08	4.49E-08
3915	563200.6	4234942	2.44E-07	2.18E-07	4.62E-07	4.15E-08	3.50E-08	7.64E-08	1.97E-07	1.60E-07	3.57E-07	3.23E-08	3.10E-08	6.33E-08	2.41E-08	1.58E-08	4.00E-08
3916	563209.1	4234946	2.14E-07	1.91E-07	4.05E-07	3.63E-08	3.06E-08	6.70E-08	1.73E-07	1.40E-07	3.13E-07	2.83E-08	2.72E-08	5.55E-08	2.12E-08	1.39E-08	3.50E-08
3917	563217.5	4234951	1.86E-07	1.66E-07	3.52E-07	3.16E-08	2.66E-08	5.82E-08	1.50E-07	1.22E-07	2.72E-07	2.46E-08	2.36E-08	4.82E-08	1.84E-08	1.21E-08	3.04E-08
3918	563226	4234955	1.61E-07	1.44E-07	3.06E-07	2.74E-08	2.31E-08	5.05E-08	1.30E-07	1.06E-07	2.36E-07	2.14E-08	2.05E-08	4.18E-08	1.59E-08	1.05E-08	2.64E-08
3919	563234.4	4234960	1.40E-07	1.25E-07	2.66E-07	2.38E-08	2.01E-08	4.39E-08	1.13E-07	9.19E-08	2.05E-07	1.86E-08	1.78E-08	3.64E-08	1.39E-08	9.10E-09	2.30E-08
3920	563242.9	4234964	1.23E-07	1.10E-07	2.32E-07	2.08E-08	1.76E-08	3.84E-08	9.92E-08	8.04E-08	1.80E-07	1.62E-08	1.56E-08	3.18E-08	1.21E-08	7.96E-09	2.01E-08
3921	563056.6	4234873	1.19E-07	1.06E-07	2.25E-07	2.02E-08	1.70E-08	3.71E-08	9.59E-08	7.77E-08	1.74E-07	1.57E-08	1.51E-08	3.08E-08	1.17E-08	7.70E-09	1.94E-08
3922	563069.1	4234882	1.38E-07	1.23E-07	2.61E-07	2.34E-08	1.97E-08	4.31E-08	1.11E-07	9.02E-08	2.01E-07	1.82E-08	1.75E-08	3.57E-08	1.36E-08	8.93E-09	2.25E-08
3923	563077.6	4234887	1.60E-07	1.43E-07	3.03E-07	2.72E-08	2.29E-08	5.01E-08	1.29E-07	1.05E-07	2.34E-07	2.12E-08	2.03E-08	4.15E-08	1.58E-08	1.04E-08	2.62E-08
3924	563086	4234891	1.90E-07	1.70E-07	3.60E-07	3.23E-08	2.72E-08	5.95E-08	1.54E-07	1.25E-07	2.78E-07	2.52E-08	2.42E-08	4.93E-08	1.88E-08	1.23E-08	3.11E-08
3925	563094.5	4234896	2.23E-07	1.99E-07	4.22E-07	3.78E-08	3.19E-08	6.97E-08	1.80E-07	1.46E-07	3.26E-07	2.95E-08	2.83E-08	5.78E-08	2.20E-08	1.45E-08	3.65E-08
3926	563102.9	4234900	2.52E-07	2.25E-07	4.77E-07	4.28E-08	3.61E-08	7.89E-08	2.04E-07	1.65E-07	3.69E-07	3.33E-08	3.20E-08	6.53E-08	2.49E-08	1.63E-08	4.12E-08
3927	563111.4	4234905	2.75E-07	2.46E-07	5.21E-07	4.67E-08	3.94E-08	8.61E-08	2.22E-07	1.80E-07	4.02E-07	3.64E-08	3.49E-08	7.13E-08	2.72E-08	1.78E-08	4.50E-08
3928	563119.8	4234909	2.92E-07	2.60E-07	5.52E-07	4.95E-08	4.18E-08	9.13E-08	2.36E-07	1.91E-07	4.27E-07	3.86E-08	3.70E-08	7.57E-08	2.88E-08	1.89E-08	4.78E-08
3929	563128.3	4234914	3.03E-07	2.70E-07	5.73E-07	5.14E-08	4.33E-08	9.47E-08	2.45E-07	1.98E-07	4.43E-07	4.00E-08	3.84E-08	7.85E-08	2.99E-08	1.96E-08	4.95E-08
3930	563136.7	4234918	3.08E-07	2.75E-07	5.83E-07	5.23E-08	4.41E-08	9.63E-08	2.49E-07	2.02E-07	4.50E-07	4.07E-08	3.91E-08	7.98E-08	3.04E-08	2.00E-08	5.04E-08
3931	563145.2	4234923	3.08E-07	2.75E-07	5.83E-07	5.23E-08	4.41E-08	9.64E-08	2.49E-07	2.02E-07	4.50E-07	4.08E-08	3.91E-08	7.99E-08	3.04E-08	2.00E-08	5.04E-08
3932	563153.6	4234928	3.01E-07	2.68E-07	5.69E-07	5.11E-08	4.30E-08	9.41E-08	2.43E-07	1.97E-07	4.40E-07	3.98E-08	3.82E-08	7.80E-08	2.97E-08	1.95E-08	4.92E-08
3933	563162.1	4234932	2.91E-07	2.60E-07	5.50E-07	4.94E-08	4.16E-08	9.10E-08	2.35E-07	1.90E-07	4.25E-07	3.85E-08	3.69E-08	7.54E-08	2.87E-08	1.89E-08	4.76E-08
3934	563170.5	4234937	2.78E-07	2.48E-07	5.26E-07	4.72E-08	3.97E-08	8.69E-08	2.24E-07	1.82E-07	4.06E-07	3.68E-08	3.53E-08	7.20E-08	2.74E-08	1.80E-08	4.55E-08
3935	563179	4234941	2.62E-07	2.34E-07	4.96E-07	4.44E-08	3.75E-08	8.19E-08	2.11E-07	1.71E-07	3.83E-07	3.46E-08	3.32E-08	6.79E-08	2.59E-08	1.70E-08	4.28E-08
3936	563187.4	4234946	2.43E-07	2.16E-07	4.59E-07	4.11E-08	3.47E-08	7.58E-08	1.96E-07	1.59E-07	3.54E-07	3.21E-08	3.08E-08	6.28E-08	2.39E-08	1.57E-08	3.97E-08
3937	563195.9	4234950	2.21E-07	1.97E-07	4.17E-07	3.74E-08	3.15E-08	6.90E-08	1.78E-07	1.44E-07	3.22E-07	2.92E-08	2.80E-08	5.72E-08	2.18E-08	1.43E-08	3.61E-08
3938	563204.3	4234955	1.98E-07	1.76E-07	3.74E-07	3.35E-08	2.83E-08	6.18E-08	1.60E-07	1.29E-07	2.89E-07	2.61E-08	2.51E-08	5.12E-08	1.95E-08	1.28E-08	3.23E-08
3939	563212.8	4234959	1.75E-07	1.56E-07	3.32E-07	2.97E-08	2.51E-08	5.48E-08	1.42E-07	1.15E-07	2.56E-07	2.32E-08	2.22E-08	4.54E-08	1.73E-08	1.14E-08	2.87E-08
3940	563221.2	4234964	1.55E-07	1.38E-07	2.93E-07	2.62E-08	2.21E-08	4.84E-08	1.25E-07	1.01E-07	2.26E-07	2.04E-08	1.96E-08	4.01E-08	1.53E-08	1.00E-08	2.53E-08
3941	563229.7	4234969	1.36E-07	1.22E-07	2.58E-07	2.31E-08	1.95E-08	4.26E-08	1.10E-07	8.92E-08	1.99E-07	1.80E-08	1.73E-08	3.53E-08	1.35E-08	8.84E-09	2.23E-08
3942	563238.1	4234973	1.21E-07	1.08E-07	2.28E-07	2.05E-08	1.72E-08	3.77E-08	9.74E-08	7.89E-08	1.76E-07	1.60E-08	1.53E-08	3.13E-08	1.19E-08	7.82E-09	1.97E-08
3943	563049.8	4234880	9.84E-08	8.78E-08	1.86E-07	1.67E-08	1.41E-08	3.08E-08	7.94E-08	6.44E-08	1.44E-07	1.30E-08	1.25E-08	2.55E-08	9.72E-09	6.38E-09	1.61E-08
3944	563064.4	4234891	1.15E-07	1.03E-07	2.18E-07	1.96E-08	1.65E-08	3.61E-08	9.32E-08	7.56E-08	1.69E-07	1.53E-08	1.47E-08	2.99E-08	1.14E-08	7.48E-09	1.89E-08
3945	563072.8	4234895	1.32E-07	1.18E-07	2.51E-07	2.25E-08	1.89E-08	4.14E-08	1.07E-07	8.67E-08	1.94E-07	1.75E-08	1.68E-08	3.43E-08	1.31E-08	8.58E-09	2.17E-08
3946	563081.3	4234900	1.54E-07	1.37E-07	2.91E-07	2.61E-08	2.20E-08	4.81E-08	1.24E-07	1.01E-07	2.25E-07	2.03E-08	1.95E-08	3.99E-08	1.52E-08	9.97E-09	2.52E-08
3947	563089.7	4234905	1.78E-07	1.59E-07	3.36E-07	3.01E-08	2.54E-08	5.56E-08	1.43E-07	1.16E-07	2.60E-07	2.35E-08	2.25E-08	4.60E-08	1.75E-08	1.15E-08	2.91E-08
3948	563098.2	4234909	2.01E-07	1.79E-07	3.80E-07	3.41E-08	2.87E-08	6.28E-08	1.62E-07	1.31E-07	2.93E-07	2.65E-08	2.55E-08	5.20E-08	1.98E-08	1.30E-08	3.28E-08
3949	563106.6	4234914	2.21E-07	1.97E-07	4.18E-07	3.75E-08	3.16E-08	6.90E-08	1.78E-07	1.44E-07	3.23E-07	2.92E-08	2.80E-08	5.72E-08	2.18E-08	1.43E-08	3.61E-08
3950	563115.1	4234918	2.37E-07	2.11E-07	4.48E-07	4.02E-08	3.39E-08	7.40E-08	1.91E-07	1.55E-07	3.46E-07	3.13E-08	3.00E-08	6.13E-08	2.34E-08	1.53E-08	3.87E-08
3951	563123.5	4234923	2.48E-07	2.22E-07	4.70E-07	4.21E-08	3.55E-08	7.77E-08	2.01E-07	1.63E-07	3.63E-07	3.28E-08	3.15E-08	6.44E-08	2.45E-08	1.61E-08	4.06E-08
3952	563132	4234927	2.56E-07	2.28E-07	4.84E-07	4.34E-08	3.66E-08	7.99E-08	2.06E-07	1.67E-07	3.74E-07	3.38E-08	3.24E-08	6.62E-08	2.52E-08	1.66E-08	4.18E-08
3953	563140.4	4234932	2.58E-07	2.30E-07	4.88E-07	4.38E-08	3.69E-08	8.07E-08	2.08E-07	1.69E-07	3.77E-07	3.41E-08	3.27E-08	6.69E-08	2.55E-08	1.67E-08	4.22E-08
3954	563148.9	4234936	2.55E-07	2.27E-07	4.82E-07	4.32E-08	3.64E-08	7.96E-08	2.06E-07	1.67E-07	3.72E-07	3.37E-08	3.23E-08	6.60E-08	2.52E-08	1.65E-08	4.17E-08
3955	563157.3	4234941	2.49E-07	2.22E-07	4.72E-07	4.23E-08	3.56E-08	7.79E-08	2.01E-07	1.63E-07	3.64E-07	3.30E-08	3.16E-08	6.46E-08	2.46E-08	1.62E-08	4.08E-08
3956	563165.8	4234945	2.41E-07	2.15E-07	4.57E-07	4.09E-08	3.45E-08	7.54E-08	1.95E-07	1.58E-07	3.53E-07	3.19E-08	3.06E-08	6.25E-08	2.38E-08	1.56E-08	3.95E-08
3957	563174.2	4234950	2.30E-07	2.05E-07	4.35E-07	3.90E-08	3.29E-08	7.20E-08	1.86E-07	1.51E-07	3.36E-07	3.04E-08	2.92E-08	5.96E-08	2.27E-08	1.49E-08	3.76E-08
3958	563182.7	4234955	2.16E-07	1.93E-07	4.09E-07	3.67E-08	3.09E-08	6.76E-08	1.74E-07	1.41E-07	3.16E-07	2.86E-08	2.74E-08	5.60E-08	2.13E-08	1.40E-08	3.53E-08
3959	563191.1	4234959	2.00E-07	1.78E-07	3.78E-07	3.39E-08	2.86E-08	6.24E-08	1.61E-07	1.31E-07	2.92E-07	2.64E-08	2.53E-08	5.17E-08	1.97E-08	1.29E-08	3.27E-08
3960	563199.6	4234964	1.82E-07	1.62E-07	3.44E-07	3.09E-08	2.60E-08	5.69E-08	1.47E-07	1.19E-07	2.66E-07	2.41E-08	2.31E-08	4.72E-08	1.80E-08	1.18E-08	2.98E-08
3961	563208	4234968	1.64E-07	1.46E-07	3.11E-07	2.79E-08	2.35E-08	5.13E-08	1.33E-07	1.07E-07	2.40E-07	2.17E-08	2.08E-08	4.25E-08	1.62E-08	1.06E-08	2.68E-08
3962	563216.5	4234973	1.47E-07	1.31E-07	2.78E-07	2.49E-08	2.10E-08	4.60E-08	1.19E-07	9.62E-08	2.15E-07	1.94E-08	1.87E-08	3.81E-08	1.45E-08	9.53E-09	2.40E-08
3963	563224.9	4234977	1.31E-07	1.17E-07	2.49E-07	2.23E-08	1.88E-08	4.11E-08	1.06E-07	8.60E-08	1.92E-07	1.74E-08	1.67E-08	3.41E-08	1.30E-08	8.52E-09	2.15E-08
3964	563233.4	4234982	1.17E-07	1.05E-07	2.22E-07	1.99E-08	1.68E-08	3.67E-08	9.48E-08	7.69E-08	1.72E-07	1.55E-08	1.49E-08	3.04E-08	1.16E-08	7.61E-09	1.92E-08
3965	563045.8	4234890	8.42E-08	7.52E-08	1.59E-07	1.43E-08	1.20E-08	2.63E-08	6.80E-08	5.51E-08	1.23E-07	1.11E-08	1.07E-08	2.18E-08	8.32E-09	5.46E-09	1.38E-08
3966	563033.4	4234871	8.28E-08	7.39E-08	1.57E-07	1.41E-08	1.18E-08	2.59E-08	6.69E-08	5.42E-08	1.21E-07	1.10E-08	1.05E-08	2.15E-08	8.18E-09	5.37E-09	1.35E-08
3967	563059.6	4234900	9.91E-08	8.84E-08	1.87E-07	1.68E-08	1.42E-08	3.10E-08	8.00E-08	6.48E-08	1.45E-07	1.31E-08	1.26E-08	2.57E-08	9.78E-09	6.42E-09	1.62E-08
3968	563068.1	4234904	1.12E-07	1.00E-07	2.13E-07	1.91E-08	1.61E-08	3.52E-08	9.08E-08	7.36E-08	1.64E-07	1.49E-08	1.43E-08	2.91E-08	1.11E-08	7.29E-09	1.84E-08
3969	563076.5	4234909	1.29E-07	1.15E-07	2.44E-07	2.18E-08	1.84E-08	4.03E-08	1.04E-07	8.43E-08	1.88E-07	1.70E-08	1.63E-08	3.34E-08	1.27E-08	8.35E-09	2.11E-08
3970	563085	4234913	1.47E-07	1.31E-07	2.78E-07	2.49E-08	2.10E-08	4.60E-08	1.19E-07	9.62E-08	2.15E-07	1.94E-08	1.87E-08	3.81E-08	1.45E-08	9.53E-09	2.41E-08
3971	563093.4	4234918	1.65E-07	1.48E-07	3.13E-07	2.81E-08	2.37E-08	5.17E-08	1.34E-07	1.08E-07	2.42E-07	2.19E-08	2.10E-08	4.29E-08	1.63E-08	1.07E-08	2.71E-08
3972	563101.9	4234922	1.82E-07	1.63E-07	3.45E-07	3.10E-08	2.61E-08	5.71E-08	1.47E-07	1.19E-07	2.67E-07	2.41E-08	2.32E-08	4.73E-08	1.80E-08	1.18E-08	2.98E-08
3973	563110.3	4234927	1.97E-07	1.76E-07	3.73E-07	3.34E-08	2.82E-08	6.16E-08	1.59E-07	1.29E-07	2.88E-07	2.60E-08	2.50E-08	5.10E-08	1.94E-08	1.28E-08	3.22E-08
3974	563118.8	4234932	2.08E-07	1.86E-07	3.94E-07	3.53E-08	2.98E-08	6.51E-08	1.68E-07	1.36E-07	3.04E-07	2.75E-08	2.64E-08	5.40E-08	2.06E-08	1.35E-08	3.41E-08
3975	563127.2	4234936	2.16E-07	1.93E-07	4.09E-07	3.67E-08	3.09E-08	6.76E-08	1.75E-07	1.41E-07	3.16E-07	2.86E-08	2.74E-08	5.60E-08	2.13E-08	1.40E-08	3.54E-08
3976	563135.7	4234941	2.20E-07	1.96E-07	4.16E-07	3.74E-08	3.15E-08	6.88E-08	1.78E-07	1.44E-07	3.22E-07	2.91E-08	2.79E-08	5.70E-08	2.17E-08	1.43E-08	3.60E-08
3977	563144.1	4234945	2.20E-07	1.96E-07	4.16E-07	3.73E-08	3.14E-08	6.87E-08	1.77E-07	1.44E-07	3.21E-07	2.90E-08	2.79E-08	5.69E-08	2.17E-08	1.42E-08	3.59E-08
3978	563152.6	4234950	2.17E-07	1.93E-07	4.10E-07	3.68E-08	3.10E-08	6.77E-08	1.75E-07	1.42E-07	3.17E-07	2.87E-08	2.75E-08	5.61E-08	2.14E-08	1.40E-08	3.54E-08
3979	563161	4234954	2.12E-07	1.89E-07	4.01E-07	3.59E-08	3.03E-08	6.62E-08	1.71E-07	1.39E-07	3.09E-07	2.80E-08	2.69E-08	5.49E-08	2.09E-08	1.37E-08	3.46E-08
3980	563169.5	4234959	2.04E-07	1.82E-07	3.86E-07	3.46E-08	2.92E-08	6.38E-08	1.65E-07	1.33E-07	2.98E-07	2.70E-08	2.59E-08	5.29E-08	2.01E-08	1.32E-08	3.34E-08
3981	563177.9	4234963	1.94E-07	1.73E-07	3.66E-07	3.29E-08	2.77E-08	6.06E-08	1.56E-07	1.27E-07	2.83E-07	2.56E-08	2.46E-08	5.02E-08	1.91E-08	1.26E-08	3.17E-08
3982	563186.4	4234968	1.81E-07	1.62E-07	3.43E-07	3.08E-08	2.59E-08	5.67E-08	1.46E-07	1.19E-07	2.65E-07	2.40E-08	2.30E-08	4.70E-08	1.79E-08	1.18E-08	2.97E-08
3983	563194.8	4234972	1.68E-07	1.50E-07	3.17E-07	2.84E-08	2.40E-08	5.24E-08	1.35E-07	1.10E-07	2.45E-07	2.22E-08	2.13E-08	4.34E-08	1.66E-08	1.09E-08	2.74E-08
3984	563203.3	4234977	1.53E-07	1.37E-07	2.90E-07	2.60E-08	2.19E-08	4.79E-08	1.24E-07	1.00E-07	2.24E-07	2.03E-08	1.94E-08	3.97E-08	1.51E-08	9.93E-09	2.51E-08
3985	563211.8	4234982	1.39E-07	1.24E-07	2.63E-07	2.36E-08	1.99E-08	4.35E-08	1.12E-07	9.10E-08	2.03E-07	1.84E-08	1.76E-08	3.60E-08	1.37E-08	9.01E-09	2.27E-08
3986	563220.2	4234986	1.26E-07	1.12E-07	2.38E-07	2.13E-08	1.80E-08	3.93E-08	1.02E-07	8.23E-08	1.84E-07	1.66E-08	1.60E-08	3.26E-08	1.24E-08	8.15E-09	2.06E-08
3987	563228.7	4234991	1.14E-07	1.01E-07	2.15E-07	1.93E-08	1.62E-08	3.55E-08	9.17E-08	7.43E-08	1.66E-07	1.50E-08	1.44E-08	2.94E-08	1.12E-08	7.36E-09	1.86E-08
3988	563039.7	4234897	7.23E-08	6.45E-08	1.37E-07	1.23E-08	1.03E-08	2.26E-08	5.84E-08	4.73E-08	1.06E-07	9.56E-09	9.18E-09	1.87E-08	7.14E-09	4.69E-09	1.18E-08
3989	563032.9	4234890	6.88E-08	6.14E-08	1.30E-07	1.17E-08	9.84E-09	2.15E-08	5.56E-08	4.50E-08	1.01E-07	9.10E-09	8.73E-09	1.78E-08	6.80E-09	4.46E-09	1.13E-08
3990	563024.2	4234874	7.18E-08	6.40E-08	1.36E-07	1.22E-08	1.03E-08	2.24E-08	5.79E-08	4.70E-08	1.05E-07	9.49E-09	9.10E-09	1.86E-08	7.09E-09	4.65E-09	1.17E-08
3991	563022.3	4234865	7.76E-08	6.92E-08	1.47E-07	1.32E-08	1.11E-08	2.43E-08	6.26E-08	5.08E-08	1.13E-07	1.03E-08	9.84E-09	2.01E-08	7.66E-09	5.03E-09	1.27E-08
3992	563046.4	4234904	7.72E-08	6.89E-08	1.46E-07	1.31E-08	1.10E-08	2.41E-08	6.23E-08	5.05E-08	1.13E-07	1.02E-08	9.79E-09	2.00E-08	7.62E-09	5.00E-09	1.26E-08
3993	563054.9	4234908	8.65E-08	7.72E-08	1.64E-07	1.47E-08	1.24E-08	2.71E-08	6.99E-08	5.66E-08	1.26E-07	1.14E-08	1.10E-08	2.24E-08	8.55E-09	5.61E-09	1.42E-08
3994	563063.3	4234913	9.74E-08	8.69E-08	1.84E-07	1.65E-08	1.39E-08	3.05E-08	7.87E-08	6.38E-08	1.42E-07	1.29E-08	1.24E-08	2.52E-08	9.62E-09	6.31E-09	1.59E-08
3995	563071.8	4234918	1.10E-07	9.85E-08	2.09E-07	1.87E-08	1.58E-08	3.45E-08	8.92E-08	7.23E-08	1.61E-07	1.46E-08	1.40E-08	2.86E-08	1.09E-08	7.16E-09	1.81E-08
3996	563080.2	4234922	1.25E-07	1.11E-07	2.36E-07	2.12E-08	1.79E-08	3.91E-08	1.01E-07	8.18E-08	1.83E-07	1.65E-08	1.59E-08	3.24E-08	1.23E-08	8.10E-09	2.04E-08
3997	563088.7	4234927	1.40E-07	1.25E-07	2.65E-07	2.37E-08	2.00E-08	4.38E-08	1.13E-07	9.16E-08	2.05E-07	1.85E-08	1.78E-08	3.63E-08	1.38E-08	9.07E-09	2.29E-08
3998	563097.1	4234931	1.54E-07	1.38E-07	2.92E-07	2.62E-08	2.21E-08	4.82E-08	1.25E-07	1.01E-07	2.26E-07	2.04E-08	1.96E-08	4.00E-08	1.52E-08	1.00E-08	2.52E-08
3999	563105.6	4234936	1.67E-07	1.49E-07	3.16E-07	2.83E-08	2.39E-08	5.22E-08	1.35E-07	1.09E-07	2.44E-07	2.21E-08	2.12E-08	4.33E-08	1.65E-08	1.08E-08	2.73E-08
4000	563114	4234940	1.78E-07	1.58E-07	3.36E-07	3.01E-08	2.54E-08	5.55E-08	1.43E-07	1.16E-07	2.60E-07	2.35E-08	2.25E-08	4.60E-08	1.75E-08	1.15E-08	2.90E-08

4001	563122.5	4234945	1.85E-07	1.65E-07	3.51E-07	3.15E-08	2.65E-08	5.80E-08	1.50E-07	1.21E-07	2.71E-07	2.45E-08	2.35E-08	4.81E-08	1.83E-08	1.20E-08	3.03E-08
4002	563130.9	4234949	1.90E-07	1.69E-07	3.59E-07	3.22E-08	2.71E-08	5.93E-08	1.53E-07	1.24E-07	2.77E-07	2.51E-08	2.41E-08	4.92E-08	1.87E-08	1.23E-08	3.10E-08
4003	563139.4	4234954	1.91E-07	1.70E-07	3.62E-07	3.24E-08	2.73E-08	5.97E-08	1.54E-07	1.25E-07	2.79E-07	2.53E-08	2.42E-08	4.95E-08	1.89E-08	1.24E-08	3.13E-08
4004	563147.9	4234959	1.90E-07	1.70E-07	3.60E-07	3.23E-08	2.72E-08	5.95E-08	1.54E-07	1.24E-07	2.78E-07	2.52E-08	2.41E-08	4.93E-08	1.88E-08	1.23E-08	3.11E-08
4005	563156.3	4234963	1.87E-07	1.67E-07	3.54E-07	3.18E-08	2.68E-08	5.85E-08	1.51E-07	1.22E-07	2.74E-07	2.48E-08	2.38E-08	4.85E-08	1.85E-08	1.21E-08	3.06E-08
4006	563164.8	4234968	1.82E-07	1.62E-07	3.44E-07	3.09E-08	2.60E-08	5.69E-08	1.47E-07	1.19E-07	2.66E-07	2.41E-08	2.31E-08	4.71E-08	1.80E-08	1.18E-08	2.98E-08
4007	563173.2	4234972	1.74E-07	1.56E-07	3.30E-07	2.96E-08	2.49E-08	5.46E-08	1.41E-07	1.14E-07	2.55E-07	2.31E-08	2.21E-08	4.52E-08	1.72E-08	1.13E-08	2.85E-08
4008	563181.7	4234977	1.65E-07	1.47E-07	3.12E-07	2.80E-08	2.36E-08	5.16E-08	1.33E-07	1.08E-07	2.41E-07	2.18E-08	2.10E-08	4.28E-08	1.63E-08	1.07E-08	2.70E-08
4009	563190.1	4234981	1.54E-07	1.38E-07	2.92E-07	2.62E-08	2.21E-08	4.83E-08	1.25E-07	1.01E-07	2.26E-07	2.04E-08	1.96E-08	4.00E-08	1.52E-08	1.00E-08	2.53E-08
4010	563198.6	4234986	1.43E-07	1.27E-07	2.70E-07	2.42E-08	2.04E-08	4.47E-08	1.15E-07	9.35E-08	2.09E-07	1.89E-08	1.81E-08	3.70E-08	1.41E-08	9.26E-09	2.34E-08
4011	563207	4234990	1.31E-07	1.17E-07	2.48E-07	2.23E-08	1.88E-08	4.10E-08	1.06E-07	8.58E-08	1.92E-07	1.73E-08	1.66E-08	3.40E-08	1.30E-08	8.50E-09	2.14E-08
4012	563215.5	4234995	1.20E-07	1.07E-07	2.27E-07	2.03E-08	1.71E-08	3.74E-08	9.67E-08	7.83E-08	1.75E-07	1.58E-08	1.52E-08	3.10E-08	1.18E-08	7.76E-09	1.96E-08
4013	563223.9	4234999	1.09E-07	9.73E-08	2.06E-07	1.85E-08	1.56E-08	3.41E-08	8.81E-08	7.14E-08	1.59E-07	1.44E-08	1.38E-08	2.83E-08	1.08E-08	7.07E-09	1.78E-08
4014	563035.6	4234907	6.41E-08	5.72E-08	1.21E-07	1.09E-08	9.17E-09	2.01E-08	5.18E-08	4.20E-08	9.37E-08	8.48E-09	8.14E-09	1.66E-08	6.33E-09	4.16E-09	1.05E-08
4015	563023.4	4234895	5.95E-08	5.31E-08	1.13E-07	1.01E-08	8.51E-09	1.86E-08	4.80E-08	3.89E-08	8.69E-08	7.87E-09	7.55E-09	1.54E-08	5.87E-09	3.85E-09	9.73E-09
4016	563015.6	4234880	6.16E-08	5.49E-08	1.17E-07	1.04E-08	8.81E-09	1.93E-08	4.97E-08	4.03E-08	9.00E-08	8.14E-09	7.81E-09	1.60E-08	6.08E-09	3.99E-09	1.01E-08
4017	563050.1	4234917	7.58E-08	6.76E-08	1.43E-07	1.29E-08	1.08E-08	2.37E-08	6.12E-08	4.96E-08	1.11E-07	1.00E-08	9.62E-09	1.96E-08	7.49E-09	4.91E-09	1.24E-08
4018	563058.6	4234922	8.50E-08	7.58E-08	1.61E-07	1.44E-08	1.22E-08	2.66E-08	6.86E-08	5.56E-08	1.24E-07	1.12E-08	1.08E-08	2.20E-08	8.40E-09	5.51E-09	1.39E-08
4019	563067	4234926	9.56E-08	8.53E-08	1.81E-07	1.62E-08	1.37E-08	2.99E-08	7.72E-08	6.26E-08	1.40E-07	1.26E-08	1.21E-08	2.48E-08	9.44E-09	6.20E-09	1.56E-08
4020	563075.5	4234931	1.08E-07	9.62E-08	2.04E-07	1.83E-08	1.54E-08	3.37E-08	8.71E-08	7.06E-08	1.58E-07	1.43E-08	1.37E-08	2.79E-08	1.07E-08	6.99E-09	1.76E-08
4021	563084	4234935	1.21E-07	1.08E-07	2.28E-07	2.05E-08	1.73E-08	3.77E-08	9.74E-08	7.89E-08	1.76E-07	1.60E-08	1.53E-08	3.13E-08	1.19E-08	7.82E-09	1.97E-08
4022	563092.4	4234940	1.33E-07	1.18E-07	2.51E-07	2.25E-08	1.90E-08	4.15E-08	1.07E-07	8.69E-08	1.94E-07	1.76E-08	1.68E-08	3.44E-08	1.31E-08	8.60E-09	2.17E-08
4023	563100.9	4234945	1.44E-07	1.28E-07	2.72E-07	2.44E-08	2.06E-08	4.50E-08	1.16E-07	9.42E-08	2.10E-07	1.90E-08	1.83E-08	3.73E-08	1.42E-08	9.32E-09	2.35E-08
4024	563109.3	4234949	1.53E-07	1.37E-07	2.90E-07	2.60E-08	2.19E-08	4.79E-08	1.24E-07	1.00E-07	2.24E-07	2.03E-08	1.95E-08	3.97E-08	1.51E-08	9.93E-09	2.51E-08
4025	563117.8	4234954	1.60E-07	1.43E-07	3.03E-07	2.72E-08	2.29E-08	5.01E-08	1.29E-07	1.05E-07	2.34E-07	2.12E-08	2.03E-08	4.15E-08	1.58E-08	1.04E-08	2.62E-08
4026	563126.2	4234958	1.65E-07	1.47E-07	3.12E-07	2.80E-08	2.36E-08	5.15E-08	1.33E-07	1.08E-07	2.41E-07	2.18E-08	2.09E-08	4.27E-08	1.63E-08	1.07E-08	2.70E-08
4027	563134.7	4234963	1.67E-07	1.49E-07	3.17E-07	2.84E-08	2.39E-08	5.23E-08	1.35E-07	1.09E-07	2.45E-07	2.21E-08	2.12E-08	4.34E-08	1.65E-08	1.08E-08	2.74E-08
4028	563143.1	4234967	1.68E-07	1.50E-07	3.18E-07	2.85E-08	2.40E-08	5.25E-08	1.36E-07	1.10E-07	2.46E-07	2.22E-08	2.13E-08	4.35E-08	1.66E-08	1.09E-08	2.75E-08
4029	563151.6	4234972	1.67E-07	1.49E-07	3.15E-07	2.83E-08	2.38E-08	5.21E-08	1.35E-07	1.09E-07	2.44E-07	2.20E-08	2.11E-08	4.32E-08	1.65E-08	1.08E-08	2.73E-08
4030	563160	4234976	1.63E-07	1.46E-07	3.09E-07	2.77E-08	2.33E-08	5.10E-08	1.32E-07	1.07E-07	2.39E-07	2.16E-08	2.07E-08	4.23E-08	1.61E-08	1.06E-08	2.67E-08
4031	563168.5	4234981	1.58E-07	1.41E-07	2.99E-07	2.68E-08	2.26E-08	4.94E-08	1.27E-07	1.03E-07	2.31E-07	2.09E-08	2.00E-08	4.09E-08	1.56E-08	1.02E-08	2.58E-08
4032	563176.9	4234986	1.51E-07	1.35E-07	2.85E-07	2.56E-08	2.16E-08	4.71E-08	1.22E-07	9.87E-08	2.20E-07	1.99E-08	1.91E-08	3.91E-08	1.49E-08	9.77E-09	2.47E-08
4033	563185.4	4234990	1.42E-07	1.27E-07	2.69E-07	2.42E-08	2.04E-08	4.45E-08	1.15E-07	9.32E-08	2.08E-07	1.88E-08	1.81E-08	3.69E-08	1.41E-08	9.23E-09	2.33E-08
4034	563193.8	4234995	1.33E-07	1.19E-07	2.52E-07	2.26E-08	1.90E-08	4.16E-08	1.07E-07	8.71E-08	1.95E-07	1.76E-08	1.69E-08	3.45E-08	1.31E-08	8.63E-09	2.18E-08
4035	563202.3	4234999	1.23E-07	1.10E-07	2.33E-07	2.09E-08	1.76E-08	3.86E-08	9.96E-08	8.08E-08	1.80E-07	1.63E-08	1.57E-08	3.20E-08	1.22E-08	8.00E-09	2.02E-08
4036	563210.7	4235004	1.14E-07	1.01E-07	2.15E-07	1.93E-08	1.63E-08	3.55E-08	9.18E-08	7.44E-08	1.66E-07	1.50E-08	1.44E-08	2.95E-08	1.12E-08	7.37E-09	1.86E-08
4037	563219.2	4235008	1.04E-07	9.31E-08	1.97E-07	1.77E-08	1.49E-08	3.26E-08	8.42E-08	6.83E-08	1.53E-07	1.38E-08	1.32E-08	2.70E-08	1.03E-08	6.76E-09	1.71E-08
4038	563031.3	4234916	5.77E-08	5.15E-08	1.09E-07	9.80E-09	8.26E-09	1.81E-08	4.66E-08	3.78E-08	8.44E-08	7.63E-09	7.33E-09	1.50E-08	5.70E-09	3.74E-09	9.44E-09
4039	563019.9	4234905	5.35E-08	4.77E-08	1.01E-07	9.07E-09	7.65E-09	1.67E-08	4.32E-08	3.50E-08	7.82E-08	7.07E-09	6.78E-09	1.39E-08	5.28E-09	3.47E-09	8.75E-09
4040	563006.9	4234885	5.36E-08	4.78E-08	1.01E-07	9.10E-09	7.67E-09	1.68E-08	4.33E-08	3.51E-08	7.84E-08	7.09E-09	6.81E-09	1.39E-08	5.30E-09	3.48E-09	8.77E-09
4041	563003.7	4234870	6.04E-08	5.39E-08	1.14E-07	1.02E-08	8.63E-09	1.89E-08	4.87E-08	3.95E-08	8.82E-08	7.98E-09	7.66E-09	1.56E-08	5.96E-09	3.91E-09	9.87E-09
4042	563045.4	4234926	6.74E-08	6.01E-08	1.27E-07	1.14E-08	9.63E-09	2.11E-08	5.44E-08	4.41E-08	9.85E-08	8.91E-09	8.55E-09	1.75E-08	6.65E-09	4.37E-09	1.10E-08
4043	563053.9	4234931	7.49E-08	6.68E-08	1.42E-07	1.27E-08	1.07E-08	2.34E-08	6.05E-08	4.90E-08	1.09E-07	9.91E-09	9.50E-09	1.94E-08	7.40E-09	4.85E-09	1.23E-08
4044	563062.3	4234935	8.34E-08	7.44E-08	1.58E-07	1.41E-08	1.19E-08	2.61E-08	6.73E-08	5.45E-08	1.22E-07	1.10E-08	1.06E-08	2.16E-08	8.23E-09	5.40E-09	1.36E-08
4045	563070.8	4234940	9.38E-08	8.36E-08	1.77E-07	1.59E-08	1.34E-08	2.93E-08	7.57E-08	6.14E-08	1.37E-07	1.24E-08	1.19E-08	2.43E-08	9.26E-09	6.08E-09	1.53E-08
4046	563079.2	4234944	1.05E-07	9.34E-08	1.98E-07	1.78E-08	1.50E-08	3.27E-08	8.45E-08	6.85E-08	1.53E-07	1.38E-08	1.33E-08	2.71E-08	1.03E-08	6.79E-09	1.71E-08
4047	563087.7	4234949	1.15E-07	1.03E-07	2.18E-07	1.96E-08	1.65E-08	3.60E-08	9.31E-08	7.54E-08	1.69E-07	1.52E-08	1.46E-08	2.99E-08	1.14E-08	7.47E-09	1.89E-08
4048	563096.1	4234953	1.25E-07	1.11E-07	2.36E-07	2.12E-08	1.79E-08	3.90E-08	1.01E-07	8.17E-08	1.82E-07	1.65E-08	1.58E-08	3.23E-08	1.23E-08	8.09E-09	2.04E-08
4049	563104.6	4234958	1.33E-07	1.18E-07	2.51E-07	2.25E-08	1.90E-08	4.15E-08	1.07E-07	8.69E-08	1.94E-07	1.76E-08	1.68E-08	3.44E-08	1.31E-08	8.61E-09	2.17E-08
4050	563113	4234962	1.39E-07	1.24E-07	2.63E-07	2.36E-08	1.99E-08	4.35E-08	1.12E-07	9.11E-08	2.04E-07	1.84E-08	1.77E-08	3.61E-08	1.38E-08	9.03E-09	2.28E-08
4051	563121.5	4234967	1.44E-07	1.29E-07	2.73E-07	2.45E-08	2.06E-08	4.51E-08	1.16E-07	9.44E-08	2.11E-07	1.91E-08	1.83E-08	3.74E-08	1.42E-08	9.35E-09	2.36E-08
4052	563129.9	4234972	1.48E-07	1.32E-07	2.80E-07	2.51E-08	2.11E-08	4.62E-08	1.19E-07	9.67E-08	2.16E-07	1.95E-08	1.88E-08	3.83E-08	1.46E-08	9.58E-09	2.42E-08
4053	563138.4	4234976	1.49E-07	1.33E-07	2.83E-07	2.54E-08	2.14E-08	4.67E-08	1.21E-07	9.78E-08	2.19E-07	1.98E-08	1.90E-08	3.87E-08	1.48E-08	9.69E-09	2.44E-08
4054	563146.8	4234981	1.49E-07	1.33E-07	2.82E-07	2.53E-08	2.13E-08	4.67E-08	1.20E-07	9.77E-08	2.18E-07	1.97E-08	1.89E-08	3.87E-08	1.47E-08	9.67E-09	2.44E-08
4055	563155.3	4234985	1.47E-07	1.31E-07	2.78E-07	2.50E-08	2.10E-08	4.60E-08	1.19E-07	9.63E-08	2.15E-07	1.95E-08	1.87E-08	3.81E-08	1.45E-08	9.54E-09	2.41E-08
4056	563163.7	4234990	1.43E-07	1.28E-07	2.71E-07	2.43E-08	2.05E-08	4.48E-08	1.16E-07	9.38E-08	2.10E-07	1.90E-08	1.82E-08	3.71E-08	1.42E-08	9.29E-09	2.34E-08
4057	563172.2	4234994	1.38E-07	1.23E-07	2.61E-07	2.34E-08	1.97E-08	4.32E-08	1.11E-07	9.03E-08	2.02E-07	1.83E-08	1.75E-08	3.58E-08	1.36E-08	8.94E-09	2.26E-08
4058	563180.6	4234999	1.31E-07	1.17E-07	2.49E-07	2.23E-08	1.88E-08	4.11E-08	1.06E-07	8.60E-08	1.92E-07	1.74E-08	1.67E-08	3.41E-08	1.30E-08	8.52E-09	2.15E-08
4059	563189.1	4235003	1.24E-07	1.11E-07	2.35E-07	2.10E-08	1.77E-08	3.88E-08	1.00E-07	8.11E-08	1.81E-07	1.64E-08	1.57E-08	3.21E-08	1.22E-08	8.04E-09	2.03E-08
4060	563197.5	4235008	1.16E-07	1.03E-07	2.19E-07	1.97E-08	1.66E-08	3.63E-08	9.36E-08	7.59E-08	1.70E-07	1.53E-08	1.47E-08	3.01E-08	1.15E-08	7.52E-09	1.90E-08
4061	563206	4235013	1.08E-07	9.61E-08	2.04E-07	1.83E-08	1.54E-08	3.37E-08	8.70E-08	7.05E-08	1.57E-07	1.42E-08	1.37E-08	2.79E-08	1.06E-08	6.98E-09	1.76E-08
4062	563214.4	4235017	9.96E-08	8.88E-08	1.88E-07	1.69E-08	1.42E-08	3.11E-08	8.04E-08	6.52E-08	1.46E-07	1.32E-08	1.26E-08	2.58E-08	9.83E-09	6.45E-09	1.63E-08
4063	563025.7	4234924	5.21E-08	4.65E-08	9.86E-08	8.84E-09	7.45E-09	1.63E-08	4.21E-08	3.41E-08	7.62E-08	6.89E-09	6.61E-09	1.35E-08	5.15E-09	3.38E-09	8.53E-09
4064	563019.2	4234917	4.96E-08	4.43E-08	9.39E-08	8.42E-09	7.10E-09	1.55E-08	4.01E-08	3.25E-08	7.26E-08	6.56E-09	6.30E-09	1.29E-08	4.90E-09	3.22E-09	8.12E-09
4065	563012.7	4234911	4.77E-08	4.26E-08	9.03E-08	8.09E-09	6.82E-09	1.49E-08	3.85E-08	3.12E-08	6.97E-08	6.31E-09	6.05E-09	1.24E-08	4.71E-09	3.09E-09	7.80E-09
4066	563006.2	4234904	4.63E-08	4.13E-08	8.76E-08	7.85E-09	6.62E-09	1.45E-08	3.74E-08	3.03E-08	6.77E-08	6.12E-09	5.87E-09	1.20E-08	4.57E-09	3.00E-09	7.57E-09
4067	562997.9	4234889	4.77E-08	4.25E-08	9.02E-08	8.09E-09	6.82E-09	1.49E-08	3.85E-08	3.12E-08	6.97E-08	6.31E-09	6.05E-09	1.24E-08	4.71E-09	3.09E-09	7.80E-09
4068	562996	4234880	5.07E-08	4.52E-08	9.59E-08	8.60E-09	7.25E-09	1.59E-08	4.09E-08	3.32E-08	7.41E-08	6.70E-09	6.43E-09	1.31E-08	5.01E-09	3.29E-09	8.29E-09
4069	562994.2	4234871	5.44E-08	4.85E-08	1.03E-07	9.22E-09	7.77E-09	1.70E-08	4.39E-08	3.56E-08	7.95E-08	7.19E-09	6.90E-09	1.41E-08	5.37E-09	3.52E-09	8.89E-09
4070	562992.3	4234862	5.86E-08	5.23E-08	1.11E-07	9.95E-09	8.38E-09	1.83E-08	4.73E-08	3.84E-08	8.57E-08	7.75E-09	7.44E-09	1.52E-08	5.79E-09	3.80E-09	9.59E-09
4071	563032.2	4234930	5.52E-08	4.92E-08	1.04E-07	9.36E-09	7.89E-09	1.72E-08	4.45E-08	3.61E-08	8.06E-08	7.29E-09	7.00E-09	1.43E-08	5.45E-09	3.57E-09	9.02E-09
4072	563040.7	4234935	6.07E-08	5.42E-08	1.15E-07	1.03E-08	8.68E-09	1.90E-08	4.90E-08	3.97E-08	8.87E-08	8.03E-09	7.70E-09	1.57E-08	5.99E-09	3.93E-09	9.93E-09
4073	563049.1	4234939	6.72E-08	5.99E-08	1.27E-07	1.14E-08	9.60E-09	2.10E-08	5.42E-08	4.39E-08	9.82E-08	8.88E-09	8.52E-09	1.74E-08	6.63E-09	4.35E-09	1.10E-08
4074	563057.6	4234944	7.46E-08	6.65E-08	1.41E-07	1.27E-08	1.07E-08	2.33E-08	6.02E-08	4.88E-08	1.09E-07	9.86E-09	9.46E-09	1.93E-08	7.36E-09	4.83E-09	1.22E-08
4075	563066	4234949	8.29E-08	7.40E-08	1.57E-07	1.41E-08	1.19E-08	2.59E-08	6.70E-08	5.43E-08	1.21E-07	1.10E-08	1.05E-08	2.15E-08	8.19E-09	5.37E-09	1.36E-08
4076	563074.5	4234953	9.20E-08	8.20E-08	1.74E-07	1.56E-08	1.32E-08	2.88E-08	7.43E-08	6.02E-08	1.34E-07	1.22E-08	1.17E-08	2.38E-08	9.08E-09	5.96E-09	1.50E-08
4077	563082.9	4234958	1.01E-07	8.99E-08	1.91E-07	1.71E-08	1.44E-08	3.15E-08	8.14E-08	6.60E-08	1.47E-07	1.33E-08	1.28E-08	2.61E-08	9.95E-09	6.53E-09	1.65E-08
4078	563091.4	4234962	1.09E-07	9.72E-08	2.06E-07	1.85E-08	1.56E-08	3.41E-08	8.80E-08	7.13E-08	1.59E-07	1.44E-08	1.38E-08	2.82E-08	1.08E-08	7.06E-09	1.78E-08
4079	563099.8	4234967	1.16E-07	1.04E-07	2.20E-07	1.97E-08	1.66E-08	3.63E-08	9.38E-08	7.60E-08	1.70E-07	1.54E-08	1.47E-08	3.01E-08	1.15E-08	7.53E-09	1.90E-08
4080	563108.3	4234971	1.23E-07	1.09E-07	2.32E-07	2.08E-08	1.76E-08	3.84E-08	9.91E-08	8.03E-08	1.79E-07	1.62E-08	1.56E-08	3.18E-08	1.21E-08	7.95E-09	2.01E-08
4081	563116.7	4234976	1.28E-07	1.14E-07	2.42E-07	2.17E-08	1.83E-08	4.00E-08	1.03E-07	8.37E-08	1.87E-07	1.69E-08	1.62E-08	3.32E-08	1.26E-08	8.29E-09	2.09E-08
4082	563125.2	4234980	1.32E-07	1.17E-07	2.49E-07	2.23E-08	1.88E-08	4.12E-08	1.06E-07	8.62E-08	1.92E-07	1.74E-08	1.67E-08	3.41E-08	1.30E-08	8.53E-09	2.15E-08
4083	563133.6	4234985	1.34E-07	1.19E-07	2.53E-07	2.27E-08	1.91E-08	4.18E-08	1.08E-07	8.75E-08	1.96E-07	1.77E-08	1.70E-08	3.47E-08	1.32E-08	8.67E-09	2.19E-08
4084	563142.1	4234990	1.34E-07	1.20E-07	2.54E-07	2.28E-08	1.92E-08	4.20E-08	1.08E-07	8.79E-08	1.96E-07	1.78E-08	1.70E-08	3.48E-08	1.33E-08	8.70E-09	2.20E-08
4085	563150.5	4234994	1.33E-07	1.19E-07	2.52E-07	2.26E-08	1.90E-08	4.16E-08	1.08E-07	8.71E-08	1.95E-07	1.76E-08	1.69E-08	3.45E-08	1.32E-08	8.63E-09	2.18E-08
4086	563159	4234999	1.31E-07	1.16E-07	2.47E-07	2.22E-08	1.87E-08	4.08E-08	1.05E-07	8.55E-08	1.91E-07	1.73E-08	1.66E-08	3.38E-08	1.29E-08	8.46E-09	2.14E-08
4087	563167.4	4235003	1.27E-07	1.13E-07	2.40E-07	2.15E-08	1.81E-08	3.96E-08	1.02E-07	8.29E-08	1.85E-07	1.67E-08	1.61E-08	3.28E-08	1.25E-08	8.21E-09	2.07E-08
4088	563175.9	4235008	1.22E-07	1.08E-07	2.30E-07	2.06E-08	1.74E-08	3.80E-08	9.81E-08	7.95E-08	1.78E-07	1.61E-08	1.54E-08	3.15E-08	1.20E-08	7.88E-09	1.99E-08
4089	563184.3	4235012	1.16E-07	1.03E-07	2.19E-07	1.96E-08	1.65E-08	3.61E-08	9.33E-08	7.56E-08	1.69E-07	1.53E-08	1.47E-08	2.99E-08	1.14E-08	7.49E-09	1.89E-08
4090	563192.8	4235017	1.09E-07	9.72E-08	2.06E-07	1.85E-08	1.56E-08	3.41E-08	8.80E-08	7.13E-08	1.59E-07	1.44E-08	1.38E-08	2.82E-08	1.08E-08	7.06E-09	1.78E-08
4091	563201.2	4235021	1.02E-07	9.10E-08	1.93E-07	1.73E-08	1.46E-08	3.19E-08	8.24E-08	6.67E-08	1.49E-07	1.35E-08	1.29E-08	2.64E-08	1.01E-08	6.61E-09	1.67E-08

4092	563209.7	4235026	9.50E-08	8.47E-08	1.80E-07	1.61E-08	1.36E-08	2.97E-08	7.67E-08	6.21E-08	1.39E-07	1.26E-08	1.20E-08	2.46E-08	9.38E-09	6.15E-09	1.55E-08
4093	563021.4	4234933	4.79E-08	4.27E-08	9.07E-08	8.13E-09	6.85E-09	1.50E-08	3.87E-08	3.14E-08	7.01E-08	6.34E-09	6.08E-09	1.24E-08	4.73E-09	3.11E-09	7.84E-09
4094	563009.2	4234921	4.38E-08	3.91E-08	8.29E-08	7.44E-09	6.27E-09	1.37E-08	3.54E-08	2.87E-08	6.41E-08	5.80E-09	5.56E-09	1.14E-08	4.33E-09	2.84E-09	7.17E-09
4095	562997	4234909	4.12E-08	3.68E-08	7.80E-08	6.99E-09	5.89E-09	1.29E-08	3.33E-08	2.70E-08	6.02E-08	5.45E-09	5.23E-09	1.07E-08	4.07E-09	2.67E-09	6.74E-09
4096	562989.2	4234894	4.23E-08	3.77E-08	8.01E-08	7.18E-09	6.05E-09	1.32E-08	3.42E-08	2.77E-08	6.19E-08	5.60E-09	5.37E-09	1.10E-08	4.18E-09	2.74E-09	6.92E-09
4097	562985.7	4234877	4.74E-08	4.22E-08	8.96E-08	8.04E-09	6.77E-09	1.48E-08	3.82E-08	3.10E-08	6.92E-08	6.26E-09	6.01E-09	1.23E-08	4.68E-09	3.07E-09	7.75E-09
4098	563035.9	4234944	5.54E-08	4.94E-08	1.05E-07	9.40E-09	7.92E-09	1.73E-08	4.47E-08	3.63E-08	8.10E-08	7.33E-09	7.03E-09	1.44E-08	5.47E-09	3.59E-09	9.06E-09
4099	563044.4	4234948	6.10E-08	5.44E-08	1.15E-07	1.04E-08	8.73E-09	1.91E-08	4.93E-08	3.99E-08	8.92E-08	8.07E-09	7.74E-09	1.58E-08	6.03E-09	3.95E-09	9.98E-09
4100	563052.8	4234953	6.74E-08	6.01E-08	1.27E-07	1.14E-08	9.64E-09	2.11E-08	5.44E-08	4.41E-08	9.85E-08	8.91E-09	8.55E-09	1.75E-08	6.65E-09	4.37E-09	1.10E-08
4101	563061.3	4234957	7.44E-08	6.63E-08	1.41E-07	1.26E-08	1.06E-08	2.33E-08	6.00E-08	4.87E-08	1.09E-07	9.83E-09	9.44E-09	1.93E-08	7.34E-09	4.82E-09	1.22E-08
4102	563069.7	4234962	8.19E-08	7.30E-08	1.55E-07	1.39E-08	1.17E-08	2.56E-08	6.61E-08	5.36E-08	1.20E-07	1.08E-08	1.04E-08	2.12E-08	8.08E-09	5.30E-09	1.34E-08
4103	563078.2	4234966	8.93E-08	7.96E-08	1.69E-07	1.51E-08	1.28E-08	2.79E-08	7.21E-08	5.84E-08	1.31E-07	1.18E-08	1.13E-08	2.31E-08	8.82E-09	5.79E-09	1.46E-08
4104	563086.6	4234971	9.65E-08	8.61E-08	1.83E-07	1.64E-08	1.38E-08	3.02E-08	7.79E-08	6.31E-08	1.41E-07	1.28E-08	1.22E-08	2.50E-08	9.53E-09	6.25E-09	1.58E-08
4105	563095.1	4234976	1.03E-07	9.22E-08	1.96E-07	1.75E-08	1.48E-08	3.23E-08	8.35E-08	6.76E-08	1.51E-07	1.37E-08	1.31E-08	2.68E-08	1.02E-08	6.70E-09	1.69E-08
4106	563103.5	4234980	1.09E-07	9.75E-08	2.07E-07	1.86E-08	1.56E-08	3.42E-08	8.83E-08	7.16E-08	1.60E-07	1.45E-08	1.39E-08	2.83E-08	1.08E-08	7.09E-09	1.79E-08
4107	563112	4234985	1.14E-07	1.02E-07	2.16E-07	1.94E-08	1.63E-08	3.57E-08	9.23E-08	7.48E-08	1.67E-07	1.51E-08	1.45E-08	2.96E-08	1.13E-08	7.41E-09	1.87E-08
4108	563120.4	4234989	1.18E-07	1.05E-07	2.23E-07	2.00E-08	1.69E-08	3.69E-08	9.53E-08	7.72E-08	1.72E-07	1.56E-08	1.50E-08	3.06E-08	1.17E-08	7.65E-09	1.93E-08
4109	563128.9	4234994	1.20E-07	1.07E-07	2.28E-07	2.04E-08	1.72E-08	3.76E-08	9.72E-08	7.88E-08	1.76E-07	1.59E-08	1.53E-08	3.12E-08	1.19E-08	7.80E-09	1.97E-08
4110	563137.3	4234998	1.21E-07	1.08E-07	2.30E-07	2.06E-08	1.74E-08	3.80E-08	9.80E-08	7.94E-08	1.77E-07	1.61E-08	1.54E-08	3.15E-08	1.20E-08	7.87E-09	1.99E-08
4111	563145.8	4235003	1.21E-07	1.08E-07	2.29E-07	2.05E-08	1.73E-08	3.78E-08	9.77E-08	7.92E-08	1.77E-07	1.60E-08	1.54E-08	3.14E-08	1.20E-08	7.84E-09	1.98E-08
4112	563154.2	4235007	1.19E-07	1.06E-07	2.26E-07	2.02E-08	1.71E-08	3.73E-08	9.64E-08	7.81E-08	1.74E-07	1.58E-08	1.51E-08	3.09E-08	1.18E-08	7.73E-09	1.95E-08
4113	563162.7	4235012	1.16E-07	1.04E-07	2.20E-07	1.98E-08	1.67E-08	3.64E-08	9.40E-08	7.62E-08	1.70E-07	1.54E-08	1.48E-08	3.02E-08	1.15E-08	7.55E-09	1.90E-08
4114	563171.1	4235017	1.13E-07	1.00E-07	2.13E-07	1.91E-08	1.61E-08	3.52E-08	9.08E-08	7.36E-08	1.64E-07	1.49E-08	1.43E-08	2.92E-08	1.11E-08	7.29E-09	1.84E-08
4115	563179.6	4235021	1.08E-07	9.61E-08	2.04E-07	1.83E-08	1.54E-08	3.37E-08	8.70E-08	7.05E-08	1.57E-07	1.42E-08	1.37E-08	2.79E-08	1.06E-08	6.98E-09	1.76E-08
4116	563188.1	4235026	1.02E-07	9.12E-08	1.94E-07	1.74E-08	1.46E-08	3.20E-08	8.26E-08	6.69E-08	1.50E-07	1.35E-08	1.30E-08	2.65E-08	1.01E-08	6.63E-09	1.67E-08
4117	563196.5	4235030	9.64E-08	8.60E-08	1.82E-07	1.64E-08	1.38E-08	3.02E-08	7.79E-08	6.31E-08	1.41E-07	1.28E-08	1.22E-08	2.50E-08	9.52E-09	6.25E-09	1.58E-08
4118	563205	4235035	9.04E-08	8.06E-08	1.71E-07	1.53E-08	1.29E-08	2.83E-08	7.30E-08	5.92E-08	1.32E-07	1.20E-08	1.15E-08	2.34E-08	8.93E-09	5.86E-09	1.48E-08
4119	563016	4234941	4.36E-08	3.89E-08	8.25E-08	7.40E-09	6.23E-09	1.36E-08	3.52E-08	2.85E-08	6.37E-08	5.77E-09	5.53E-09	1.13E-08	4.31E-09	2.83E-09	7.13E-09
4120	563009.2	4234934	4.17E-08	3.72E-08	7.89E-08	7.08E-09	5.96E-09	1.30E-08	3.37E-08	2.73E-08	6.10E-08	5.51E-09	5.29E-09	1.08E-08	4.12E-09	2.70E-09	6.82E-09
4121	563002.4	4234928	3.97E-08	3.54E-08	7.52E-08	6.74E-09	5.68E-09	1.24E-08	3.21E-08	2.60E-08	5.81E-08	5.25E-09	5.04E-09	1.03E-08	3.92E-09	2.57E-09	6.50E-09
4122	562995.7	4234921	3.79E-08	3.38E-08	7.18E-08	6.44E-09	5.42E-09	1.19E-08	3.06E-08	2.48E-08	5.54E-08	5.02E-09	4.81E-09	9.83E-09	3.75E-09	2.46E-09	6.20E-09
4123	562988.9	4234914	3.68E-08	3.29E-08	6.97E-08	6.25E-09	5.27E-09	1.15E-08	2.97E-08	2.41E-08	5.38E-08	4.87E-09	4.67E-09	9.54E-09	3.64E-09	2.39E-09	6.02E-09
4124	562980.2	4234898	3.81E-08	3.40E-08	7.22E-08	6.47E-09	5.45E-09	1.19E-08	3.08E-08	2.50E-08	5.58E-08	5.04E-09	4.84E-09	9.88E-09	3.77E-09	2.47E-09	6.24E-09
4125	562978.3	4234889	4.03E-08	3.60E-08	7.63E-08	6.84E-09	5.77E-09	1.26E-08	3.26E-08	2.64E-08	5.89E-08	5.33E-09	5.12E-09	1.04E-08	3.98E-09	2.61E-09	6.60E-09
4126	562976.3	4234879	4.30E-08	3.84E-08	8.14E-08	7.30E-09	6.15E-09	1.35E-08	3.47E-08	2.82E-08	6.29E-08	5.69E-09	5.46E-09	1.12E-08	4.25E-09	2.79E-09	7.04E-09
4127	562974.4	4234870	4.63E-08	4.13E-08	8.76E-08	7.85E-09	6.62E-09	1.45E-08	3.74E-08	3.03E-08	6.77E-08	6.12E-09	5.87E-09	1.20E-08	4.57E-09	3.00E-09	7.57E-09
4128	562972.4	4234861	4.99E-08	4.45E-08	9.44E-08	8.47E-09	7.14E-09	1.56E-08	4.03E-08	3.27E-08	7.30E-08	6.60E-09	6.33E-09	1.29E-08	4.93E-09	3.23E-09	8.16E-09
4129	563022.7	4234948	4.60E-08	4.11E-08	8.71E-08	7.81E-09	6.58E-09	1.44E-08	3.72E-08	3.01E-08	6.73E-08	6.09E-09	5.84E-09	1.19E-08	4.55E-09	2.98E-09	7.53E-09
4130	563031.2	4234953	5.07E-08	4.52E-08	9.60E-08	8.61E-09	7.25E-09	1.59E-08	4.09E-08	3.32E-08	7.41E-08	6.71E-09	6.44E-09	1.31E-08	5.01E-09	3.29E-09	8.30E-09
4131	563039.6	4234957	5.58E-08	4.98E-08	1.06E-07	9.47E-09	7.98E-09	1.75E-08	4.51E-08	3.65E-08	8.16E-08	7.38E-09	7.08E-09	1.45E-08	5.51E-09	3.62E-09	9.13E-09
4132	563048.1	4234962	6.13E-08	5.47E-08	1.16E-07	1.04E-08	8.77E-09	1.92E-08	4.95E-08	4.01E-08	8.97E-08	8.11E-09	7.78E-09	1.59E-08	6.06E-09	3.97E-09	1.00E-08
4133	563056.5	4234966	6.74E-08	6.01E-08	1.27E-07	1.14E-08	9.63E-09	2.11E-08	5.44E-08	4.41E-08	9.85E-08	8.91E-09	8.55E-09	1.75E-08	6.65E-09	4.37E-09	1.10E-08
4134	563065	4234971	7.33E-08	6.54E-08	1.39E-07	1.24E-08	1.05E-08	2.29E-08	5.92E-08	4.80E-08	1.07E-07	9.70E-09	9.31E-09	1.90E-08	7.24E-09	4.75E-09	1.20E-08
4135	563073.4	4234975	7.97E-08	7.11E-08	1.51E-07	1.35E-08	1.14E-08	2.49E-08	6.43E-08	5.21E-08	1.16E-07	1.05E-08	1.01E-08	2.06E-08	7.87E-09	5.16E-09	1.30E-08
4136	563081.9	4234980	8.61E-08	7.68E-08	1.63E-07	1.46E-08	1.23E-08	2.69E-08	6.95E-08	5.64E-08	1.26E-07	1.14E-08	1.09E-08	2.23E-08	8.51E-09	5.58E-09	1.41E-08
4137	563090.3	4234984	9.25E-08	8.25E-08	1.75E-07	1.57E-08	1.32E-08	2.89E-08	7.46E-08	6.05E-08	1.35E-07	1.22E-08	1.17E-08	2.40E-08	9.13E-09	5.99E-09	1.51E-08
4138	563098.8	4234989	9.81E-08	8.75E-08	1.86E-07	1.66E-08	1.40E-08	3.07E-08	7.92E-08	6.42E-08	1.43E-07	1.30E-08	1.24E-08	2.54E-08	9.68E-09	6.35E-09	1.60E-08
4139	563107.2	4234993	1.03E-07	9.16E-08	1.94E-07	1.74E-08	1.47E-08	3.21E-08	8.29E-08	6.72E-08	1.50E-07	1.36E-08	1.30E-08	2.66E-08	1.01E-08	6.65E-09	1.68E-08
4140	563115.7	4234998	1.06E-07	9.48E-08	2.01E-07	1.80E-08	1.52E-08	3.32E-08	8.58E-08	6.95E-08	1.55E-07	1.41E-08	1.35E-08	2.75E-08	1.05E-08	6.89E-09	1.74E-08
4141	563124.2	4235003	1.09E-07	9.70E-08	2.06E-07	1.85E-08	1.56E-08	3.40E-08	8.78E-08	7.12E-08	1.59E-07	1.44E-08	1.38E-08	2.82E-08	1.07E-08	7.05E-09	1.78E-08
4142	563132.6	4235007	1.10E-07	9.83E-08	2.08E-07	1.87E-08	1.58E-08	3.44E-08	8.89E-08	7.21E-08	1.61E-07	1.46E-08	1.40E-08	2.85E-08	1.09E-08	7.14E-09	1.80E-08
4143	563141.1	4235012	1.10E-07	9.84E-08	2.09E-07	1.87E-08	1.58E-08	3.45E-08	8.91E-08	7.22E-08	1.61E-07	1.46E-08	1.40E-08	2.86E-08	1.09E-08	7.15E-09	1.80E-08
4144	563149.5	4235016	1.09E-07	9.75E-08	2.07E-07	1.86E-08	1.56E-08	3.42E-08	8.83E-08	7.16E-08	1.60E-07	1.45E-08	1.39E-08	2.83E-08	1.08E-08	7.09E-09	1.79E-08
4145	563158	4235021	1.07E-07	9.57E-08	2.03E-07	1.82E-08	1.53E-08	3.36E-08	8.67E-08	7.02E-08	1.57E-07	1.42E-08	1.36E-08	2.78E-08	1.06E-08	6.96E-09	1.76E-08
4146	563166.4	4235025	1.04E-07	9.31E-08	1.97E-07	1.77E-08	1.49E-08	3.26E-08	8.42E-08	6.83E-08	1.52E-07	1.38E-08	1.32E-08	2.70E-08	1.03E-08	6.76E-09	1.71E-08
4147	563174.9	4235030	1.01E-07	8.97E-08	1.90E-07	1.71E-08	1.44E-08	3.14E-08	8.11E-08	6.58E-08	1.47E-07	1.33E-08	1.28E-08	2.60E-08	9.93E-09	6.51E-09	1.64E-08
4148	563183.3	4235034	9.61E-08	8.57E-08	1.82E-07	1.63E-08	1.37E-08	3.00E-08	7.76E-08	6.29E-08	1.40E-07	1.27E-08	1.22E-08	2.49E-08	9.49E-09	6.23E-09	1.57E-08
4149	563191.8	4235039	9.12E-08	8.13E-08	1.72E-07	1.55E-08	1.30E-08	2.85E-08	7.36E-08	5.96E-08	1.33E-07	1.21E-08	1.16E-08	2.36E-08	9.00E-09	5.91E-09	1.49E-08
4150	563200.2	4235044	8.60E-08	7.67E-08	1.63E-07	1.46E-08	1.23E-08	2.69E-08	6.94E-08	5.63E-08	1.26E-07	1.14E-08	1.09E-08	2.23E-08	8.49E-09	5.57E-09	1.41E-08
4151	563007.2	4234960	3.62E-08	3.23E-08	6.85E-08	6.14E-09	5.18E-09	1.13E-08	2.92E-08	2.37E-08	5.29E-08	4.79E-09	4.59E-09	9.38E-09	3.58E-09	2.35E-09	5.92E-09
4152	562995	4234947	3.33E-08	2.97E-08	6.31E-08	5.65E-09	4.77E-09	1.04E-08	2.69E-08	2.18E-08	4.87E-08	4.41E-09	4.23E-09	8.64E-09	3.29E-09	2.16E-09	5.45E-09
4153	562982.8	4234935	3.06E-08	2.73E-08	5.80E-08	5.20E-09	4.38E-09	9.58E-09	2.47E-08	2.00E-08	4.48E-08	4.05E-09	3.89E-09	7.94E-09	3.02E-09	1.98E-09	5.01E-09
4154	562970.6	4234923	2.92E-08	2.60E-08	5.52E-08	4.95E-09	4.18E-09	9.13E-09	2.36E-08	1.91E-08	4.27E-08	3.86E-09	3.70E-09	7.57E-09	2.88E-09	1.89E-09	4.78E-09
4155	562962.8	4234909	3.01E-08	2.69E-08	5.70E-08	5.11E-09	4.31E-09	9.42E-09	2.43E-08	1.97E-08	4.41E-08	3.99E-09	3.82E-09	7.81E-09	2.98E-09	1.95E-09	4.93E-09
4156	562959.3	4234892	3.28E-08	2.93E-08	6.20E-08	5.56E-09	4.69E-09	1.03E-08	2.65E-08	2.15E-08	4.79E-08	4.34E-09	4.16E-09	8.50E-09	3.24E-09	2.13E-09	5.36E-09
4157	562955.8	4234875	3.66E-08	3.26E-08	6.92E-08	6.21E-09	5.23E-09	1.14E-08	2.95E-08	2.39E-08	5.35E-08	4.84E-09	4.64E-09	9.48E-09	3.61E-09	2.37E-09	5.98E-09
4158	563021.7	4234970	4.20E-08	3.75E-08	7.96E-08	7.13E-09	6.01E-09	1.31E-08	3.39E-08	2.75E-08	6.15E-08	5.56E-09	5.34E-09	1.09E-08	4.15E-09	2.72E-09	6.88E-09
4159	563030.2	4234975	4.62E-08	4.12E-08	8.73E-08	7.83E-09	6.60E-09	1.44E-08	3.73E-08	3.02E-08	6.75E-08	6.10E-09	5.86E-09	1.20E-08	4.56E-09	2.99E-09	7.55E-09
4160	563038.6	4234979	5.02E-08	4.48E-08	9.49E-08	8.51E-09	7.18E-09	1.57E-08	4.05E-08	3.28E-08	7.33E-08	6.64E-09	6.37E-09	1.30E-08	4.96E-09	3.25E-09	8.21E-09
4161	563047.1	4234984	5.45E-08	4.86E-08	1.03E-07	9.24E-09	7.79E-09	1.70E-08	4.40E-08	3.56E-08	7.96E-08	7.20E-09	6.91E-09	1.41E-08	5.38E-09	3.53E-09	8.91E-09
4162	563055.5	4234988	5.92E-08	5.28E-08	1.12E-07	1.00E-08	8.46E-09	1.85E-08	4.78E-08	3.87E-08	8.65E-08	7.82E-09	7.51E-09	1.53E-08	5.84E-09	3.83E-09	9.68E-09
4163	563064	4234993	6.42E-08	5.73E-08	1.21E-07	1.09E-08	9.18E-09	2.01E-08	5.18E-08	4.20E-08	9.38E-08	8.49E-09	8.15E-09	1.66E-08	6.34E-09	4.16E-09	1.05E-08
4164	563072.4	4234997	6.95E-08	6.20E-08	1.31E-07	1.18E-08	9.94E-09	2.17E-08	5.61E-08	4.55E-08	1.02E-07	9.19E-09	8.82E-09	1.80E-08	6.86E-09	4.50E-09	1.14E-08
4165	563080.9	4235002	7.49E-08	6.68E-08	1.42E-07	1.27E-08	1.07E-08	2.34E-08	6.04E-08	4.90E-08	1.09E-07	9.90E-09	9.50E-09	1.94E-08	7.39E-09	4.85E-09	1.22E-08
4166	563089.3	4235007	7.99E-08	7.13E-08	1.51E-07	1.36E-08	1.14E-08	2.50E-08	6.45E-08	5.23E-08	1.17E-07	1.06E-08	1.01E-08	2.07E-08	7.89E-09	5.18E-09	1.31E-08
4167	563097.8	4235011	8.42E-08	7.51E-08	1.59E-07	1.43E-08	1.20E-08	2.63E-08	6.80E-08	5.51E-08	1.23E-07	1.11E-08	1.07E-08	2.18E-08	8.31E-09	5.45E-09	1.38E-08
4168	563106.2	4235016	8.75E-08	7.80E-08	1.65E-07	1.48E-08	1.25E-08	2.73E-08	7.06E-08	5.72E-08	1.28E-07	1.16E-08	1.11E-08	2.27E-08	8.64E-09	5.67E-09	1.43E-08
4169	563114.7	4235020	9.00E-08	8.03E-08	1.70E-07	1.53E-08	1.29E-08	2.81E-08	7.27E-08	5.89E-08	1.32E-07	1.19E-08	1.14E-08	2.33E-08	8.89E-09	5.83E-09	1.47E-08
4170	563123.1	4235025	9.17E-08	8.18E-08	1.74E-07	1.56E-08	1.31E-08	2.87E-08	7.40E-08	6.00E-08	1.34E-07	1.21E-08	1.16E-08	2.38E-08	9.06E-09	5.94E-09	1.50E-08
4171	563131.6	4235029	9.26E-08	8.26E-08	1.75E-07	1.57E-08	1.32E-08	2.89E-08	7.47E-08	6.06E-08	1.35E-07	1.22E-08	1.17E-08	2.40E-08	9.14E-09	6.00E-09	1.51E-08
4172	563140	4235034	9.25E-08	8.25E-08	1.75E-07	1.57E-08	1.32E-08	2.89E-08	7.47E-08	6.06E-08	1.35E-07	1.22E-08	1.17E-08	2.40E-08	9.14E-09	6.00E-09	1.51E-08
4173	563148.5	4235038	9.17E-08	8.18E-08	1.73E-07	1.56E-08	1.31E-08	2.87E-08	7.40E-08	6.00E-08	1.34E-07	1.21E-08	1.16E-08	2.38E-08	9.05E-09	5.94E-09	1.50E-08
4174	563156.9	4235043	9.00E-08	8.03E-08	1.70E-07	1.53E-08	1.29E-08	2.82E-08	7.27E-08	5.89E-08	1.32E-07	1.19E-08	1.14E-08	2.33E-08	8.89E-09	5.84E-09	1.47E-08
4175	563165.4	4235047	8.77E-08	7.82E-08	1.66E-07	1.49E-08	1.25E-08	2.74E-08	7.08E-08	5.74E-08	1.28E-07	1.16E-08	1.11E-08	2.27E-08	8.66E-09	5.68E-09	1.43E-08
4176	563173.8	4235052	8.48E-08	7.56E-08	1.60E-07	1.44E-08	1.21E-08	2.65E-08	6.84E-08	5.55E-08	1.24E-07	1.12E-08	1.08E-08	2.20E-08	8.37E-09	5.49E-09	1.39E-08
4177	563182.3	4235057	8.14E-08	7.26E-08	1.54E-07	1.38E-08	1.16E-08	2.54E-08	6.57E-08	5.32E-08	1.19E-07	1.08E-08	1.03E-08	2.11E-08	8.03E-09	5.27E-09	1.33E-08
4178	563190.7	4235061	7.76E-08	6.92E-08	1.47E-07	1.32E-08	1.11E-08	2.43E-08	6.27E-08	5.08E-08	1.13E-07	1.03E-08	9.85E-09	2.01E-08	7.66E-09	5.03E-09	1.27E-08
4179	562997.5	4234977	3.11E-08	2.78E-08	5.89E-08	5.28E-09	4.45E-09	9.73E-09	2.51E-08	2.04E-08	4.55E-08	4.12E-09	3.95E-09	8.07E-09	3.07E-09	2.02E-09	5.09E-09
4180	562991.2	4234971	2.96E-08	2.64E-08	5.61E-08	5.03E-09	4.24E-09	9.27E-09	2.39E-08	1.94E-08	4.33E-08	3.92E-09	3.76E-09	7.68E-09	2.93E-09	1.92E-09	4.85E-09
4181	562978.5	4234958	2.72E-08	2.43E-08	5.15E-08	4.62E-09	3.89E-09	8.51E-09	2.20E-08	1.78E-08	3.98E-08	3.60E-09	3.45E-09	7.05E-09	2.69E-09	1.76E-09	4.45E-09
4182	562972.2	4234952	2.61E-08	2.33E-08	4.94E-08	4.43E-09	3.73E-09	8.16E-09	2.11E-08	1.71E-08	3.82E-08	3.45E-09	3.31E-09	6.77E-09	2.58E-09	1.69E-09	4.27E-09

4183	562959.6	4234939	2.45E-08	2.19E-08	4.64E-08	4.16E-09	3.51E-09	7.67E-09	1.98E-08	1.60E-08	3.58E-08	3.24E-09	3.11E-09	6.35E-09	2.42E-09	1.59E-09	4.01E-09
4184	562945.2	4234918	2.43E-08	2.17E-08	4.60E-08	4.13E-09	3.48E-09	7.60E-09	1.96E-08	1.59E-08	3.55E-08	3.22E-09	3.08E-09	6.30E-09	2.40E-09	1.58E-09	3.98E-09
4185	562941.5	4234900	2.63E-08	2.35E-08	4.98E-08	4.47E-09	3.76E-09	8.23E-09	2.13E-08	1.72E-08	3.85E-08	3.48E-09	3.34E-09	6.82E-09	2.60E-09	1.71E-09	4.31E-09
4186	562939.7	4234892	2.77E-08	2.47E-08	5.25E-08	4.70E-09	3.96E-09	8.67E-09	2.24E-08	1.81E-08	4.05E-08	3.67E-09	3.52E-09	7.18E-09	2.74E-09	1.80E-09	4.53E-09
4187	562936.1	4234874	3.14E-08	2.80E-08	5.94E-08	5.32E-09	4.49E-09	9.81E-09	2.53E-08	2.05E-08	4.59E-08	4.15E-09	3.98E-09	8.13E-09	3.10E-09	2.03E-09	5.13E-09
4188	563012.2	4234988	3.55E-08	3.17E-08	6.72E-08	6.03E-09	5.08E-09	1.11E-08	2.87E-08	2.32E-08	5.19E-08	4.70E-09	4.51E-09	9.21E-09	3.51E-09	2.30E-09	5.81E-09
4189	563020.7	4234992	3.84E-08	3.43E-08	7.27E-08	6.52E-09	5.49E-09	1.20E-08	3.10E-08	2.51E-08	5.62E-08	5.08E-09	4.87E-09	9.96E-09	3.79E-09	2.49E-09	6.28E-09
4190	563029.1	4234997	4.14E-08	3.69E-08	7.83E-08	7.03E-09	5.92E-09	1.29E-08	3.34E-08	2.71E-08	6.05E-08	5.48E-09	5.25E-09	1.07E-08	4.09E-09	2.68E-09	6.77E-09
4191	563037.6	4235001	4.50E-08	4.02E-08	8.52E-08	7.64E-09	6.44E-09	1.41E-08	3.63E-08	2.95E-08	6.58E-08	5.95E-09	5.71E-09	1.17E-08	4.45E-09	2.92E-09	7.36E-09
4192	563046	4235006	4.91E-08	4.38E-08	9.29E-08	8.33E-09	7.02E-09	1.53E-08	3.96E-08	3.21E-08	7.17E-08	6.49E-09	6.23E-09	1.27E-08	4.85E-09	3.18E-09	8.03E-09
4193	563054.5	4235010	5.33E-08	4.76E-08	1.01E-07	9.05E-09	7.63E-09	1.67E-08	4.31E-08	3.49E-08	7.80E-08	7.05E-09	6.77E-09	1.38E-08	5.27E-09	3.46E-09	8.72E-09
4194	563062.9	4235015	5.77E-08	5.15E-08	1.09E-07	9.79E-09	8.25E-09	1.80E-08	4.66E-08	3.78E-08	8.43E-08	7.63E-09	7.32E-09	1.49E-08	5.70E-09	3.74E-09	9.44E-09
4195	563071.4	4235020	6.20E-08	5.53E-08	1.17E-07	1.05E-08	8.87E-09	1.94E-08	5.01E-08	4.06E-08	9.06E-08	8.20E-09	7.87E-09	1.61E-08	6.12E-09	4.02E-09	1.01E-08
4196	563079.8	4235024	6.61E-08	5.90E-08	1.25E-07	1.12E-08	9.46E-09	2.07E-08	5.34E-08	4.33E-08	9.67E-08	8.75E-09	8.39E-09	1.71E-08	6.53E-09	4.29E-09	1.08E-08
4197	563088.3	4235029	6.98E-08	6.23E-08	1.32E-07	1.18E-08	9.99E-09	2.18E-08	5.64E-08	4.57E-08	1.02E-07	9.24E-09	8.86E-09	1.81E-08	6.90E-09	4.53E-09	1.14E-08
4198	563096.7	4235033	7.28E-08	6.50E-08	1.38E-07	1.24E-08	1.04E-08	2.28E-08	5.88E-08	4.76E-08	1.06E-07	9.63E-09	9.24E-09	1.89E-08	7.19E-09	4.72E-09	1.19E-08
4199	563105.2	4235038	7.52E-08	6.70E-08	1.42E-07	1.28E-08	1.07E-08	2.35E-08	6.07E-08	4.92E-08	1.10E-07	9.94E-09	9.54E-09	1.95E-08	7.42E-09	4.87E-09	1.23E-08
4200	563113.6	4235042	7.71E-08	6.88E-08	1.46E-07	1.31E-08	1.10E-08	2.41E-08	6.22E-08	5.04E-08	1.13E-07	1.02E-08	9.78E-09	2.00E-08	7.61E-09	4.99E-09	1.26E-08
4201	563122.1	4235047	7.85E-08	7.00E-08	1.48E-07	1.33E-08	1.12E-08	2.45E-08	6.34E-08	5.13E-08	1.15E-07	1.04E-08	9.96E-09	2.03E-08	7.75E-09	5.09E-09	1.28E-08
4202	563130.5	4235051	7.90E-08	7.05E-08	1.50E-07	1.34E-08	1.13E-08	2.47E-08	6.38E-08	5.17E-08	1.16E-07	1.05E-08	1.00E-08	2.05E-08	7.81E-09	5.12E-09	1.29E-08
4203	563139	4235056	7.89E-08	7.04E-08	1.49E-07	1.34E-08	1.13E-08	2.47E-08	6.37E-08	5.16E-08	1.15E-07	1.04E-08	1.00E-08	2.04E-08	7.79E-09	5.11E-09	1.29E-08
4204	563147.4	4235061	7.81E-08	6.97E-08	1.48E-07	1.33E-08	1.12E-08	2.44E-08	6.31E-08	5.11E-08	1.14E-07	1.03E-08	9.91E-09	2.02E-08	7.71E-09	5.06E-09	1.28E-08
4205	563155.9	4235065	7.68E-08	6.85E-08	1.45E-07	1.30E-08	1.10E-08	2.40E-08	6.20E-08	5.03E-08	1.12E-07	1.02E-08	9.75E-09	1.99E-08	7.59E-09	4.98E-09	1.26E-08
4206	563164.4	4235070	7.49E-08	6.69E-08	1.42E-07	1.27E-08	1.07E-08	2.34E-08	6.05E-08	4.90E-08	1.10E-07	9.91E-09	9.51E-09	1.94E-08	7.40E-09	4.86E-09	1.23E-08
4207	563172.8	4235074	7.26E-08	6.48E-08	1.37E-07	1.23E-08	1.04E-08	2.27E-08	5.86E-08	4.75E-08	1.06E-07	9.60E-09	9.22E-09	1.88E-08	7.17E-09	4.71E-09	1.19E-08
4208	563181.3	4235079	7.00E-08	6.24E-08	1.32E-07	1.19E-08	1.00E-08	2.19E-08	5.65E-08	4.58E-08	1.02E-07	9.25E-09	8.88E-09	1.81E-08	6.91E-09	4.53E-09	1.14E-08
4209	562987.8	4234994	2.77E-08	2.47E-08	5.24E-08	4.70E-09	3.96E-09	8.66E-09	2.24E-08	1.81E-08	4.05E-08	3.66E-09	3.52E-09	7.18E-09	2.74E-09	1.80E-09	4.53E-09
4210	562981.3	4234988	2.64E-08	2.36E-08	5.00E-08	4.48E-09	3.78E-09	8.26E-09	2.13E-08	1.73E-08	3.86E-08	3.49E-09	3.35E-09	6.85E-09	2.61E-09	1.71E-09	4.32E-09
4211	562974.8	4234981	2.52E-08	2.25E-08	4.78E-08	4.28E-09	3.61E-09	7.89E-09	2.04E-08	1.65E-08	3.69E-08	3.34E-09	3.20E-09	6.54E-09	2.49E-09	1.64E-09	4.13E-09
4212	562968.3	4234975	2.42E-08	2.16E-08	4.57E-08	4.10E-09	3.46E-09	7.56E-09	1.95E-08	1.58E-08	3.53E-08	3.20E-09	3.07E-09	6.26E-09	2.39E-09	1.57E-09	3.95E-09
4213	562961.8	4234968	2.32E-08	2.07E-08	4.39E-08	3.94E-09	3.32E-09	7.26E-09	1.87E-08	1.52E-08	3.39E-08	3.07E-09	2.95E-09	6.02E-09	2.29E-09	1.50E-09	3.80E-09
4214	562955.3	4234962	2.24E-08	2.00E-08	4.23E-08	3.80E-09	3.20E-09	7.00E-09	1.81E-08	1.46E-08	3.27E-08	2.96E-09	2.84E-09	5.80E-09	2.21E-09	1.45E-09	3.66E-09
4215	562948.8	4234955	2.17E-08	1.93E-08	4.10E-08	3.68E-09	3.10E-09	6.77E-09	1.75E-08	1.42E-08	3.17E-08	2.86E-09	2.75E-09	5.61E-09	2.14E-09	1.40E-09	3.54E-09
4216	562942.4	4234949	2.11E-08	1.88E-08	3.99E-08	3.57E-09	3.01E-09	6.59E-09	1.70E-08	1.38E-08	3.08E-08	2.79E-09	2.67E-09	5.46E-09	2.08E-09	1.37E-09	3.45E-09
4217	562935.9	4234942	2.06E-08	1.84E-08	3.90E-08	3.49E-09	2.94E-09	6.44E-09	1.66E-08	1.35E-08	3.01E-08	2.72E-09	2.61E-09	5.34E-09	2.03E-09	1.33E-09	3.37E-09
4218	562927.5	4234927	2.08E-08	1.85E-08	3.93E-08	3.53E-09	2.97E-09	6.50E-09	1.68E-08	1.36E-08	3.04E-08	2.75E-09	2.64E-09	5.38E-09	2.05E-09	1.35E-09	3.40E-09
4219	562925.6	4234918	2.15E-08	1.92E-08	4.07E-08	3.65E-09	3.07E-09	6.72E-09	1.73E-08	1.41E-08	3.14E-08	2.84E-09	2.73E-09	5.57E-09	2.12E-09	1.39E-09	3.51E-09
4220	562923.8	4234909	2.24E-08	2.00E-08	4.23E-08	3.80E-09	3.20E-09	7.00E-09	1.81E-08	1.46E-08	3.27E-08	2.96E-09	2.84E-09	5.80E-09	2.21E-09	1.45E-09	3.66E-09
4221	562921.9	4234900	2.35E-08	2.09E-08	4.44E-08	3.98E-09	3.36E-09	7.34E-09	1.90E-08	1.54E-08	3.43E-08	3.10E-09	2.98E-09	6.08E-09	2.32E-09	1.52E-09	3.84E-09
4222	562920	4234891	2.48E-08	2.21E-08	4.69E-08	4.20E-09	3.54E-09	7.75E-09	2.00E-08	1.62E-08	3.62E-08	3.28E-09	3.14E-09	6.42E-09	2.45E-09	1.61E-09	4.05E-09
4223	562918.2	4234882	2.63E-08	2.35E-08	4.98E-08	4.47E-09	3.77E-09	8.23E-09	2.13E-08	1.72E-08	3.85E-08	3.48E-09	3.34E-09	6.82E-09	2.60E-09	1.71E-09	4.31E-09
4224	562916.3	4234873	2.81E-08	2.51E-08	5.32E-08	4.77E-09	4.02E-09	8.79E-09	2.27E-08	1.84E-08	4.11E-08	3.72E-09	3.57E-09	7.29E-09	2.78E-09	1.82E-09	4.60E-09
4225	562914.5	4234864	3.01E-08	2.69E-08	5.70E-08	5.11E-09	4.31E-09	9.42E-09	2.43E-08	1.97E-08	4.41E-08	3.99E-09	3.82E-09	7.81E-09	2.98E-09	1.95E-09	4.93E-09
4226	562912.6	4234855	3.24E-08	2.89E-08	6.12E-08	5.49E-09	4.63E-09	1.01E-08	2.61E-08	2.12E-08	4.73E-08	4.28E-09	4.11E-09	8.39E-09	3.20E-09	2.10E-09	5.29E-09
4227	562994.3	4235001	2.91E-08	2.60E-08	5.50E-08	4.94E-09	4.16E-09	9.10E-09	2.35E-08	1.90E-08	4.25E-08	3.85E-09	3.69E-09	7.54E-09	2.87E-09	1.89E-09	4.76E-09
4228	563002.7	4235005	3.12E-08	2.79E-08	5.91E-08	5.30E-09	4.47E-09	9.76E-09	2.52E-08	2.04E-08	4.56E-08	4.13E-09	3.96E-09	8.09E-09	3.08E-09	2.02E-09	5.11E-09
4229	563011.2	4235010	3.36E-08	2.99E-08	6.35E-08	5.70E-09	4.80E-09	1.05E-08	2.71E-08	2.20E-08	4.91E-08	4.44E-09	4.26E-09	8.70E-09	3.32E-09	2.18E-09	5.49E-09
4230	563019.6	4235014	3.61E-08	3.22E-08	6.83E-08	6.13E-09	5.16E-09	1.13E-08	2.92E-08	2.36E-08	5.28E-08	4.78E-09	4.58E-09	9.36E-09	3.57E-09	2.34E-09	5.91E-09
4231	563028.1	4235019	3.89E-08	3.47E-08	7.35E-08	6.59E-09	5.56E-09	1.21E-08	3.14E-08	2.54E-08	5.68E-08	5.14E-09	4.93E-09	1.01E-08	3.84E-09	2.52E-09	6.35E-09
4232	563036.6	4235024	4.19E-08	3.73E-08	7.92E-08	7.10E-09	5.99E-09	1.31E-08	3.38E-08	2.74E-08	6.12E-08	5.54E-09	5.31E-09	1.08E-08	4.13E-09	2.71E-09	6.85E-09
4233	563045	4235028	4.53E-08	4.04E-08	8.56E-08	7.68E-09	6.47E-09	1.41E-08	3.65E-08	2.96E-08	6.62E-08	5.98E-09	5.74E-09	1.17E-08	4.47E-09	2.93E-09	7.40E-09
4234	563053.5	4235033	4.87E-08	4.35E-08	9.22E-08	8.27E-09	6.97E-09	1.52E-08	3.93E-08	3.19E-08	7.12E-08	6.44E-09	6.18E-09	1.26E-08	4.81E-09	3.16E-09	7.97E-09
4235	563061.9	4235037	5.22E-08	4.66E-08	9.88E-08	8.86E-09	7.47E-09	1.63E-08	4.22E-08	3.42E-08	7.63E-08	6.91E-09	6.63E-09	1.35E-08	5.16E-09	3.38E-09	8.54E-09
4236	563070.4	4235042	5.55E-08	4.95E-08	1.05E-07	9.41E-09	7.93E-09	1.73E-08	4.48E-08	3.63E-08	8.11E-08	7.33E-09	7.04E-09	1.44E-08	5.48E-09	3.59E-09	9.07E-09
4237	563078.8	4235046	5.84E-08	5.21E-08	1.10E-07	9.90E-09	8.35E-09	1.82E-08	4.71E-08	3.82E-08	8.53E-08	7.72E-09	7.40E-09	1.51E-08	5.76E-09	3.78E-09	9.54E-09
4238	563087.3	4235051	6.08E-08	5.43E-08	1.15E-07	1.03E-08	8.70E-09	1.90E-08	4.91E-08	3.98E-08	8.89E-08	8.05E-09	7.72E-09	1.58E-08	6.01E-09	3.94E-09	9.95E-09
4239	563095.7	4235055	6.30E-08	5.62E-08	1.19E-07	1.07E-08	9.01E-09	1.97E-08	5.08E-08	4.12E-08	9.21E-08	8.33E-09	7.99E-09	1.63E-08	6.22E-09	4.08E-09	1.03E-08
4240	563104.2	4235060	6.51E-08	5.81E-08	1.23E-07	1.10E-08	9.31E-09	2.03E-08	5.25E-08	4.26E-08	9.51E-08	8.61E-09	8.26E-09	1.69E-08	6.43E-09	4.22E-09	1.06E-08
4241	563112.6	4235064	6.66E-08	5.94E-08	1.26E-07	1.13E-08	9.53E-09	2.08E-08	5.38E-08	4.36E-08	9.74E-08	8.81E-09	8.45E-09	1.73E-08	6.58E-09	4.32E-09	1.09E-08
4242	563121.1	4235069	6.75E-08	6.02E-08	1.28E-07	1.15E-08	9.66E-09	2.11E-08	5.45E-08	4.42E-08	9.87E-08	8.93E-09	8.57E-09	1.75E-08	6.67E-09	4.38E-09	1.10E-08
4243	563129.5	4235074	6.79E-08	6.06E-08	1.28E-07	1.15E-08	9.71E-09	2.12E-08	5.48E-08	4.44E-08	9.92E-08	8.98E-09	8.61E-09	1.76E-08	6.71E-09	4.40E-09	1.11E-08
4244	563138	4235078	6.78E-08	6.05E-08	1.28E-07	1.15E-08	9.70E-09	2.12E-08	5.48E-08	4.44E-08	9.92E-08	8.97E-09	8.61E-09	1.76E-08	6.70E-09	4.40E-09	1.11E-08
4245	563146.4	4235083	6.73E-08	6.01E-08	1.27E-07	1.14E-08	9.63E-09	2.11E-08	5.44E-08	4.41E-08	9.85E-08	8.91E-09	8.55E-09	1.75E-08	6.65E-09	4.36E-09	1.10E-08
4246	563154.9	4235087	6.64E-08	5.92E-08	1.26E-07	1.13E-08	9.50E-09	2.08E-08	5.36E-08	4.34E-08	9.71E-08	8.78E-09	8.42E-09	1.72E-08	6.56E-09	4.30E-09	1.09E-08
4247	563163.3	4235092	6.48E-08	5.78E-08	1.23E-07	1.10E-08	9.27E-09	2.03E-08	5.23E-08	4.24E-08	9.47E-08	8.57E-09	8.22E-09	1.68E-08	6.40E-09	4.20E-09	1.06E-08
4248	563171.8	4235096	6.29E-08	5.62E-08	1.19E-07	1.07E-08	9.00E-09	1.97E-08	5.08E-08	4.12E-08	9.20E-08	8.32E-09	7.99E-09	1.63E-08	6.22E-09	4.08E-09	1.03E-08
4249	562978.2	4235012	2.49E-08	2.22E-08	4.71E-08	4.23E-09	3.56E-09	7.79E-09	2.01E-08	1.63E-08	3.64E-08	3.29E-09	3.16E-09	6.45E-09	2.46E-09	1.61E-09	4.07E-09
4250	562971.5	4235005	2.38E-08	2.12E-08	4.50E-08	4.04E-09	3.40E-09	7.44E-09	1.92E-08	1.56E-08	3.48E-08	3.15E-09	3.02E-09	6.16E-09	2.35E-09	1.54E-09	3.89E-09
4251	562964.9	4234999	2.27E-08	2.03E-08	4.30E-08	3.86E-09	3.25E-09	7.11E-09	1.84E-08	1.49E-08	3.32E-08	3.01E-09	2.89E-09	5.89E-09	2.25E-09	1.47E-09	3.72E-09
4252	562958.3	4234992	2.18E-08	1.94E-08	4.12E-08	3.70E-09	3.12E-09	6.81E-09	1.76E-08	1.43E-08	3.18E-08	2.88E-09	2.76E-09	5.65E-09	2.15E-09	1.41E-09	3.56E-09
4253	562951.6	4234985	2.09E-08	1.87E-08	3.96E-08	3.55E-09	2.99E-09	6.54E-09	1.69E-08	1.37E-08	3.06E-08	2.77E-09	2.65E-09	5.42E-09	2.07E-09	1.36E-09	3.42E-09
4254	562945	4234979	2.01E-08	1.80E-08	3.81E-08	3.42E-09	2.88E-09	6.29E-09	1.63E-08	1.32E-08	2.94E-08	2.66E-09	2.55E-09	5.22E-09	1.99E-09	1.30E-09	3.29E-09
4255	562938.3	4234972	1.94E-08	1.73E-08	3.68E-08	3.30E-09	2.78E-09	6.08E-09	1.57E-08	1.27E-08	2.84E-08	2.57E-09	2.47E-09	5.04E-09	1.92E-09	1.26E-09	3.18E-09
4256	562931.7	4234965	1.88E-08	1.68E-08	3.56E-08	3.20E-09	2.69E-09	5.89E-09	1.52E-08	1.23E-08	2.75E-08	2.49E-09	2.39E-09	4.88E-09	1.86E-09	1.22E-09	3.08E-09
4257	562925.1	4234959	1.83E-08	1.64E-08	3.47E-08	3.11E-09	2.62E-09	5.73E-09	1.48E-08	1.20E-08	2.68E-08	2.42E-09	2.33E-09	4.75E-09	1.81E-09	1.19E-09	3.00E-09
4258	562918.4	4234952	1.79E-08	1.60E-08	3.39E-08	3.04E-09	2.56E-09	5.61E-09	1.45E-08	1.17E-08	2.62E-08	2.37E-09	2.27E-09	4.65E-09	1.77E-09	1.16E-09	2.93E-09
4259	562909.9	4234936	1.80E-08	1.61E-08	3.41E-08	3.06E-09	2.58E-09	5.64E-09	1.46E-08	1.18E-08	2.64E-08	2.39E-09	2.29E-09	4.68E-09	1.78E-09	1.17E-09	2.95E-09
4260	562908	4234927	1.86E-08	1.66E-08	3.52E-08	3.15E-09	2.66E-09	5.81E-09	1.50E-08	1.22E-08	2.72E-08	2.46E-09	2.36E-09	4.82E-09	1.84E-09	1.21E-09	3.04E-09
4261	562906.1	4234918	1.93E-08	1.72E-08	3.65E-08	3.27E-09	2.76E-09	6.03E-09	1.56E-08	1.26E-08	2.82E-08	2.55E-09	2.45E-09	5.00E-09	1.91E-09	1.25E-09	3.16E-09
4262	562904.1	4234909	2.02E-08	1.80E-08	3.81E-08	3.42E-09	2.88E-09	6.30E-09	1.63E-08	1.32E-08	2.95E-08	2.67E-09	2.56E-09	5.22E-09	1.99E-09	1.31E-09	3.30E-09
4263	562902.2	4234900	2.12E-08	1.89E-08	4.01E-08	3.60E-09	3.03E-09	6.63E-09	1.71E-08	1.39E-08	3.10E-08	2.80E-09	2.69E-09	5.49E-09	2.09E-09	1.37E-09	3.47E-09
4264	562900.3	4234890	2.24E-08	2.00E-08	4.24E-08	3.81E-09	3.21E-09	7.01E-09	1.81E-08	1.47E-08	3.28E-08	2.97E-09	2.85E-09	5.81E-09	2.22E-09	1.45E-09	3.67E-09
4265	562898.4	4234881	2.39E-08	2.13E-08	4.52E-08	4.05E-09	3.41E-09	7.46E-09	1.93E-08	1.56E-08	3.49E-08	3.16E-09	3.03E-09	6.19E-09	2.36E-09	1.55E-09	3.90E-09
4266	562896.5	4234872	2.55E-08	2.28E-08	4.83E-08	4.33E-09	3.65E-09	7.98E-09	2.06E-08	1.67E-08	3.73E-08	3.37E-09	3.24E-09	6.61E-09	2.52E-09	1.65E-09	4.17E-09
4267	562894.6	4234863	2.74E-08	2.44E-08	5.18E-08	4.64E-09	3.91E-09	8.56E-09	2.21E-08	1.79E-08	4.00E-08	3.62E-09	3.47E-09	7.09E-09	2.70E-09	1.77E-09	4.48E-09
4268	562892.7	4234854	2.94E-08	2.62E-08	5.56E-08	4.99E-09	4.21E-09	9.20E-09	2.37E-08	1.92E-08	4.30E-08	3.89E-09	3.73E-09	7.62E-09	2.90E-09	1.91E-09	4.81E-09
4269	562984.8	4235018	2.61E-08	2.33E-08	4.94E-08	4.43E-09	3.73E-09	8.16E-09	2.11E-08	1.71E-08	3.81E-08	3.45E-09	3.31E-09	6.76E-09	2.58E-09	1.69E-09	4.27E-09
4270	562993.3	4235023	2.79E-08	2.49E-08	5.27E-08	4.73E-09	3.99E-09	8.72E-09	2.25E-08	1.82E-08	4.07E-08	3.69E-09	3.54E-09	7.22E-09	2.75E-09	1.81E-09	4.56E-09
4271	563001.7	4235028	2.98E-08	2.66E-08	5.64E-08	5.06E-09	4.26E-09	9.32E-09	2.41E-08	1.95E-08	4.36E-08	3.94E-09	3.78E-09	7.72E-09	2.94E-09	1.93E-09	4.87E-09
4272	563010.2	4235032	3.19E-08	2.84E-08	6.03E-08	5.41E-09	4.56E-09	9.97E-09	2.57E-08	2.09E-08	4.66E-08	4.22E-09	4.04E-09	8.26E-09	3.15E-09	2.07E-09	5.21E-09
4273	563018.6	4235037	3.41E-08	3.04E-08	6.45E-08	5.79E-09	4.88E-09	1.07E-08	2.75E-08	2.23E-08	4.98E-08	4.51E-09	4.33E-09	8.84E-09	3.37E-09	2.21E-09	5.58E-09

4274	563027.1	4235041	3.64E-08	3.25E-08	6.89E-08	6.18E-09	5.21E-09	1.14E-08	2.94E-08	2.38E-08	5.33E-08	4.82E-09	4.62E-09	9.44E-09	3.60E-09	2.36E-09	5.96E-09
4275	563035.5	4235046	3.89E-08	3.47E-08	7.37E-08	6.61E-09	5.57E-09	1.22E-08	3.14E-08	2.55E-08	5.69E-08	5.15E-09	4.94E-09	1.01E-08	3.85E-09	2.52E-09	6.37E-09
4276	563044	4235050	4.18E-08	3.73E-08	7.90E-08	7.09E-09	5.97E-09	1.31E-08	3.37E-08	2.73E-08	6.11E-08	5.52E-09	5.30E-09	1.08E-08	4.12E-09	2.71E-09	6.83E-09
4277	563052.4	4235055	4.46E-08	3.98E-08	8.45E-08	7.57E-09	6.38E-09	1.40E-08	3.60E-08	2.92E-08	6.53E-08	5.90E-09	5.66E-09	1.16E-08	4.41E-09	2.89E-09	7.30E-09
4278	563060.9	4235059	4.75E-08	4.23E-08	8.98E-08	8.05E-09	6.79E-09	1.48E-08	3.83E-08	3.11E-08	6.94E-08	6.28E-09	6.02E-09	1.23E-08	4.69E-09	3.08E-09	7.76E-09
4279	563069.3	4235064	4.99E-08	4.45E-08	9.45E-08	8.47E-09	7.14E-09	1.56E-08	4.03E-08	3.27E-08	7.30E-08	6.60E-09	6.34E-09	1.29E-08	4.93E-09	3.24E-09	8.17E-09
4280	563077.8	4235068	5.21E-08	4.65E-08	9.86E-08	8.84E-09	7.45E-09	1.63E-08	4.21E-08	3.41E-08	7.62E-08	6.89E-09	6.61E-09	1.35E-08	5.15E-09	3.38E-09	8.53E-09
4281	563086.2	4235073	5.41E-08	4.82E-08	1.02E-07	9.18E-09	7.73E-09	1.69E-08	4.37E-08	3.54E-08	7.91E-08	7.15E-09	6.86E-09	1.40E-08	5.34E-09	3.51E-09	8.85E-09
4282	563094.7	4235078	5.58E-08	4.98E-08	1.06E-07	9.46E-09	7.98E-09	1.74E-08	4.50E-08	3.65E-08	8.15E-08	7.38E-09	7.08E-09	1.45E-08	5.51E-09	3.61E-09	9.12E-09
4283	563103.1	4235082	5.72E-08	5.10E-08	1.08E-07	9.70E-09	8.17E-09	1.79E-08	4.61E-08	3.74E-08	8.36E-08	7.56E-09	7.25E-09	1.48E-08	5.64E-09	3.70E-09	9.35E-09
4284	563111.6	4235087	5.81E-08	5.18E-08	1.10E-07	9.86E-09	8.31E-09	1.82E-08	4.69E-08	3.80E-08	8.49E-08	7.68E-09	7.37E-09	1.51E-08	5.74E-09	3.77E-09	9.50E-09
4285	563120	4235091	5.87E-08	5.24E-08	1.11E-07	9.96E-09	8.40E-09	1.84E-08	4.74E-08	3.84E-08	8.58E-08	7.77E-09	7.45E-09	1.52E-08	5.80E-09	3.81E-09	9.60E-09
4286	563128.5	4235096	5.91E-08	5.27E-08	1.12E-07	1.00E-08	8.44E-09	1.85E-08	4.77E-08	3.86E-08	8.63E-08	7.81E-09	7.49E-09	1.53E-08	5.83E-09	3.83E-09	9.66E-09
4287	563136.9	4235100	5.90E-08	5.26E-08	1.12E-07	1.00E-08	8.44E-09	1.84E-08	4.76E-08	3.86E-08	8.62E-08	7.80E-09	7.49E-09	1.53E-08	5.83E-09	3.82E-09	9.65E-09
4288	563145.4	4235105	5.85E-08	5.22E-08	1.11E-07	9.92E-09	8.36E-09	1.83E-08	4.72E-08	3.83E-08	8.55E-08	7.73E-09	7.42E-09	1.52E-08	5.77E-09	3.79E-09	9.56E-09
4289	563153.8	4235109	5.75E-08	5.13E-08	1.09E-07	9.76E-09	8.23E-09	1.80E-08	4.65E-08	3.77E-08	8.41E-08	7.61E-09	7.30E-09	1.49E-08	5.68E-09	3.73E-09	9.41E-09
4290	563162.3	4235114	5.64E-08	5.03E-08	1.07E-07	9.57E-09	8.07E-09	1.76E-08	4.55E-08	3.69E-08	8.25E-08	7.46E-09	7.16E-09	1.46E-08	5.57E-09	3.66E-09	9.23E-09
4291	562968.6	4235029	2.26E-08	2.01E-08	4.27E-08	3.83E-09	3.23E-09	7.06E-09	1.82E-08	1.48E-08	3.30E-08	2.98E-09	2.86E-09	5.85E-09	2.23E-09	1.46E-09	3.69E-09
4292	562961.8	4235023	2.16E-08	1.93E-08	4.08E-08	3.66E-09	3.09E-09	6.75E-09	1.74E-08	1.41E-08	3.16E-08	2.85E-09	2.74E-09	5.59E-09	2.13E-09	1.40E-09	3.53E-09
4293	562955	4235016	2.07E-08	1.84E-08	3.91E-08	3.51E-09	2.96E-09	6.46E-09	1.67E-08	1.35E-08	3.02E-08	2.73E-09	2.62E-09	5.36E-09	2.04E-09	1.34E-09	3.38E-09
4294	562948.3	4235009	1.98E-08	1.77E-08	3.75E-08	3.36E-09	2.83E-09	6.20E-09	1.60E-08	1.30E-08	2.90E-08	2.62E-09	2.51E-09	5.13E-09	1.96E-09	1.28E-09	3.24E-09
4295	562941.5	4235002	1.90E-08	1.70E-08	3.60E-08	3.23E-09	2.72E-09	5.95E-09	1.54E-08	1.24E-08	2.78E-08	2.52E-09	2.41E-09	4.93E-09	1.88E-09	1.23E-09	3.11E-09
4296	562934.8	4234996	1.83E-08	1.63E-08	3.46E-08	3.11E-09	2.62E-09	5.72E-09	1.48E-08	1.20E-08	2.68E-08	2.42E-09	2.32E-09	4.74E-09	1.81E-09	1.19E-09	2.99E-09
4297	562928	4234989	1.76E-08	1.57E-08	3.34E-08	2.99E-09	2.52E-09	5.52E-09	1.43E-08	1.16E-08	2.58E-08	2.33E-09	2.24E-09	4.57E-09	1.74E-09	1.14E-09	2.89E-09
4298	562921.2	4234982	1.71E-08	1.52E-08	3.23E-08	2.90E-09	2.44E-09	5.34E-09	1.38E-08	1.12E-08	2.50E-08	2.26E-09	2.17E-09	4.42E-09	1.69E-09	1.11E-09	2.79E-09
4299	562914.5	4234975	1.66E-08	1.48E-08	3.13E-08	2.81E-09	2.37E-09	5.18E-09	1.34E-08	1.08E-08	2.42E-08	2.19E-09	2.10E-09	4.29E-09	1.64E-09	1.07E-09	2.71E-09
4300	562907.7	4234968	1.61E-08	1.44E-08	3.05E-08	2.74E-09	2.31E-09	5.05E-09	1.30E-08	1.06E-08	2.36E-08	2.13E-09	2.05E-09	4.18E-09	1.59E-09	1.05E-09	2.64E-09
4301	562900.9	4234962	1.58E-08	1.41E-08	2.99E-08	2.68E-09	2.26E-09	4.94E-09	1.27E-08	1.03E-08	2.31E-08	2.09E-09	2.00E-09	4.09E-09	1.56E-09	1.02E-09	2.58E-09
4302	562892.2	4234946	1.58E-08	1.41E-08	3.00E-08	2.69E-09	2.27E-09	4.96E-09	1.28E-08	1.04E-08	2.32E-08	2.10E-09	2.01E-09	4.11E-09	1.57E-09	1.03E-09	2.59E-09
4303	562890.3	4234936	1.63E-08	1.45E-08	3.08E-08	2.76E-09	2.33E-09	5.09E-09	1.31E-08	1.07E-08	2.38E-08	2.15E-09	2.07E-09	4.22E-09	1.61E-09	1.06E-09	2.66E-09
4304	562888.4	4234927	1.68E-08	1.50E-08	3.19E-08	2.86E-09	2.41E-09	5.26E-09	1.36E-08	1.10E-08	2.46E-08	2.23E-09	2.14E-09	4.36E-09	1.66E-09	1.09E-09	2.75E-09
4305	562886.4	4234918	1.75E-08	1.56E-08	3.32E-08	2.97E-09	2.51E-09	5.48E-09	1.41E-08	1.15E-08	2.56E-08	2.32E-09	2.22E-09	4.54E-09	1.73E-09	1.14E-09	2.87E-09
4306	562884.5	4234908	1.84E-08	1.64E-08	3.47E-08	3.11E-09	2.62E-09	5.74E-09	1.48E-08	1.20E-08	2.68E-08	2.43E-09	2.33E-09	4.76E-09	1.81E-09	1.19E-09	3.00E-09
4307	562882.5	4234899	1.93E-08	1.73E-08	3.66E-08	3.28E-09	2.77E-09	6.05E-09	1.56E-08	1.27E-08	2.83E-08	2.56E-09	2.45E-09	5.01E-09	1.91E-09	1.25E-09	3.16E-09
4308	562880.6	4234889	2.05E-08	1.83E-08	3.88E-08	3.48E-09	2.93E-09	6.41E-09	1.66E-08	1.34E-08	3.00E-08	2.71E-09	2.60E-09	5.31E-09	2.03E-09	1.33E-09	3.35E-09
4309	562878.6	4234880	2.18E-08	1.95E-08	4.13E-08	3.71E-09	3.12E-09	6.83E-09	1.76E-08	1.43E-08	3.19E-08	2.89E-09	2.77E-09	5.66E-09	2.16E-09	1.42E-09	3.57E-09
4310	562876.7	4234871	2.33E-08	2.08E-08	4.40E-08	3.95E-09	3.33E-09	7.28E-09	1.88E-08	1.52E-08	3.40E-08	3.08E-09	2.95E-09	6.03E-09	2.30E-09	1.51E-09	3.81E-09
4311	562874.8	4234861	2.47E-08	2.21E-08	4.68E-08	4.19E-09	3.54E-09	7.73E-09	2.00E-08	1.62E-08	3.61E-08	3.27E-09	3.14E-09	6.41E-09	2.44E-09	1.60E-09	4.04E-09
4312	562872.8	4234852	2.62E-08	2.34E-08	4.96E-08	4.44E-09	3.75E-09	8.19E-09	2.12E-08	1.71E-08	3.83E-08	3.46E-09	3.32E-09	6.79E-09	2.59E-09	1.70E-09	4.28E-09
4313	562975.3	4235036	2.36E-08	2.10E-08	4.46E-08	4.00E-09	3.37E-09	7.38E-09	1.91E-08	1.54E-08	3.45E-08	3.12E-09	2.99E-09	6.11E-09	2.33E-09	1.53E-09	3.86E-09
4314	562983.8	4235041	2.51E-08	2.24E-08	4.75E-08	4.26E-09	3.59E-09	7.84E-09	2.03E-08	1.64E-08	3.67E-08	3.32E-09	3.18E-09	6.50E-09	2.48E-09	1.63E-09	4.10E-09
4315	562992.2	4235045	2.67E-08	2.38E-08	5.05E-08	4.53E-09	3.82E-09	8.35E-09	2.16E-08	1.75E-08	3.90E-08	3.53E-09	3.39E-09	6.92E-09	2.64E-09	1.73E-09	4.37E-09
4316	563000.7	4235050	2.84E-08	2.53E-08	5.38E-08	4.82E-09	4.06E-09	8.88E-09	2.29E-08	1.86E-08	4.15E-08	3.76E-09	3.61E-09	7.36E-09	2.81E-09	1.84E-09	4.65E-09
4317	563009.1	4235054	3.02E-08	2.70E-08	5.72E-08	5.13E-09	4.33E-09	9.46E-09	2.44E-08	1.98E-08	4.42E-08	4.00E-09	3.84E-09	7.84E-09	2.99E-09	1.96E-09	4.95E-09
4318	563017.6	4235059	3.22E-08	2.87E-08	6.09E-08	5.46E-09	4.60E-09	1.01E-08	2.60E-08	2.10E-08	4.70E-08	4.25E-09	4.08E-09	8.34E-09	3.18E-09	2.08E-09	5.26E-09
4319	563026	4235063	3.42E-08	3.05E-08	6.46E-08	5.80E-09	4.89E-09	1.07E-08	2.76E-08	2.24E-08	4.99E-08	4.52E-09	4.34E-09	8.85E-09	3.37E-09	2.21E-09	5.59E-09
4320	563034.5	4235068	3.63E-08	3.23E-08	6.86E-08	6.15E-09	5.18E-09	1.13E-08	2.93E-08	2.37E-08	5.30E-08	4.79E-09	4.60E-09	9.39E-09	3.58E-09	2.35E-09	5.93E-09
4321	563042.9	4235072	3.86E-08	3.44E-08	7.31E-08	6.55E-09	5.52E-09	1.21E-08	3.12E-08	2.53E-08	5.64E-08	5.11E-09	4.90E-09	1.00E-08	3.81E-09	2.50E-09	6.32E-09
4322	563051.4	4235077	4.10E-08	3.66E-08	7.75E-08	6.95E-09	5.86E-09	1.28E-08	3.31E-08	2.68E-08	5.99E-08	5.42E-09	5.20E-09	1.06E-08	4.05E-09	2.66E-09	6.70E-09
4323	563059.8	4235082	4.33E-08	3.86E-08	8.19E-08	7.34E-09	6.19E-09	1.35E-08	3.49E-08	2.83E-08	6.33E-08	5.72E-09	5.49E-09	1.12E-08	4.27E-09	2.80E-09	7.08E-09
4324	563068.3	4235086	4.53E-08	4.04E-08	8.57E-08	7.69E-09	6.48E-09	1.42E-08	3.66E-08	2.96E-08	6.62E-08	5.99E-09	5.75E-09	1.17E-08	4.47E-09	2.94E-09	7.41E-09
4325	563076.8	4235091	4.70E-08	4.20E-08	8.90E-08	7.98E-09	6.73E-09	1.47E-08	3.80E-08	3.08E-08	6.87E-08	6.22E-09	5.97E-09	1.22E-08	4.64E-09	3.05E-09	7.69E-09
4326	563085.2	4235095	4.86E-08	4.33E-08	9.19E-08	8.24E-09	6.94E-09	1.52E-08	3.92E-08	3.18E-08	7.10E-08	6.42E-09	6.16E-09	1.26E-08	4.79E-09	3.15E-09	7.94E-09
4327	563093.7	4235100	4.98E-08	4.45E-08	9.43E-08	8.46E-09	7.13E-09	1.56E-08	4.02E-08	3.26E-08	7.29E-08	6.59E-09	6.32E-09	1.29E-08	4.92E-09	3.23E-09	8.15E-09
4328	563102.1	4235104	5.09E-08	4.54E-08	9.62E-08	8.63E-09	7.27E-09	1.59E-08	4.11E-08	3.33E-08	7.43E-08	6.73E-09	6.45E-09	1.32E-08	5.02E-09	3.30E-09	8.32E-09
4329	563110.6	4235109	5.16E-08	4.60E-08	9.76E-08	8.75E-09	7.38E-09	1.61E-08	4.17E-08	3.38E-08	7.54E-08	6.82E-09	6.55E-09	1.34E-08	5.10E-09	3.34E-09	8.44E-09
4330	563119	4235113	5.20E-08	4.64E-08	9.84E-08	8.83E-09	7.44E-09	1.63E-08	4.20E-08	3.40E-08	7.60E-08	6.88E-09	6.60E-09	1.35E-08	5.14E-09	3.37E-09	8.51E-09
4331	563127.5	4235118	5.21E-08	4.65E-08	9.86E-08	8.85E-09	7.46E-09	1.63E-08	4.21E-08	3.41E-08	7.62E-08	6.89E-09	6.62E-09	1.35E-08	5.15E-09	3.38E-09	8.53E-09
4332	563135.9	4235122	5.19E-08	4.63E-08	9.83E-08	8.81E-09	7.43E-09	1.62E-08	4.19E-08	3.40E-08	7.59E-08	6.87E-09	6.59E-09	1.35E-08	5.13E-09	3.37E-09	8.50E-09
4333	563144.4	4235127	5.15E-08	4.59E-08	9.74E-08	8.73E-09	7.36E-09	1.61E-08	4.15E-08	3.37E-08	7.52E-08	6.81E-09	6.53E-09	1.33E-08	5.08E-09	3.34E-09	8.42E-09
4334	563152.8	4235132	5.07E-08	4.52E-08	9.59E-08	8.60E-09	7.25E-09	1.59E-08	4.09E-08	3.32E-08	7.41E-08	6.70E-09	6.43E-09	1.31E-08	5.01E-09	3.29E-09	8.29E-09
4335	562959.5	4235047	2.06E-08	1.84E-08	3.91E-08	3.50E-09	2.95E-09	6.45E-09	1.67E-08	1.35E-08	3.02E-08	2.73E-09	2.62E-09	5.35E-09	2.04E-09	1.34E-09	3.38E-09
4336	562953.1	4235041	1.98E-08	1.77E-08	3.75E-08	3.37E-09	2.84E-09	6.20E-09	1.60E-08	1.30E-08	2.90E-08	2.62E-09	2.52E-09	5.14E-09	1.96E-09	1.29E-09	3.25E-09
4337	562946.7	4235035	1.91E-08	1.70E-08	3.61E-08	3.24E-09	2.73E-09	5.97E-09	1.54E-08	1.25E-08	2.79E-08	2.52E-09	2.42E-09	4.94E-09	1.88E-09	1.24E-09	3.12E-09
4338	562940.3	4235028	1.84E-08	1.64E-08	3.47E-08	3.12E-09	2.63E-09	5.74E-09	1.48E-08	1.20E-08	2.68E-08	2.43E-09	2.33E-09	4.76E-09	1.81E-09	1.19E-09	3.00E-09
4339	562927.6	4235015	1.71E-08	1.52E-08	3.23E-08	2.89E-09	2.44E-09	5.33E-09	1.38E-08	1.12E-08	2.49E-08	2.26E-09	2.16E-09	4.42E-09	1.68E-09	1.11E-09	2.79E-09
4340	562921.2	4235009	1.65E-08	1.47E-08	3.12E-08	2.79E-09	2.36E-09	5.15E-09	1.33E-08	1.08E-08	2.41E-08	2.18E-09	2.09E-09	4.27E-09	1.63E-09	1.07E-09	2.69E-09
4341	562914.8	4235003	1.59E-08	1.42E-08	3.01E-08	2.70E-09	2.28E-09	4.98E-09	1.29E-08	1.04E-08	2.33E-08	2.11E-09	2.02E-09	4.13E-09	1.57E-09	1.03E-09	2.61E-09
4342	562902.1	4234990	1.50E-08	1.34E-08	2.84E-08	2.55E-09	2.15E-09	4.69E-09	1.21E-08	9.82E-09	2.19E-08	1.98E-09	1.90E-09	3.89E-09	1.48E-09	9.73E-10	2.45E-09
4343	562895.7	4234984	1.46E-08	1.30E-08	2.77E-08	2.48E-09	2.09E-09	4.57E-09	1.18E-08	9.57E-09	2.14E-08	1.93E-09	1.86E-09	3.79E-09	1.44E-09	9.48E-10	2.39E-09
4344	562889.3	4234977	1.43E-08	1.28E-08	2.70E-08	2.43E-09	2.04E-09	4.47E-09	1.15E-08	9.36E-09	2.09E-08	1.89E-09	1.81E-09	3.70E-09	1.41E-09	9.27E-10	2.34E-09
4345	562874.8	4234956	1.40E-08	1.25E-08	2.66E-08	2.38E-09	2.01E-09	4.39E-09	1.13E-08	9.19E-09	2.05E-08	1.86E-09	1.78E-09	3.64E-09	1.39E-09	9.10E-10	2.30E-09
4346	562871.1	4234938	1.47E-08	1.32E-08	2.79E-08	2.50E-09	2.11E-09	4.61E-09	1.19E-08	9.65E-09	2.16E-08	1.95E-09	1.87E-09	3.82E-09	1.46E-09	9.56E-10	2.41E-09
4347	562869.3	4234929	1.52E-08	1.36E-08	2.88E-08	2.58E-09	2.18E-09	4.76E-09	1.23E-08	9.97E-09	2.23E-08	2.01E-09	1.93E-09	3.95E-09	1.50E-09	9.87E-10	2.49E-09
4348	562865.6	4234912	1.65E-08	1.47E-08	3.12E-08	2.80E-09	2.36E-09	5.16E-09	1.33E-08	1.08E-08	2.41E-08	2.18E-09	2.09E-09	4.28E-09	1.63E-09	1.07E-09	2.70E-09
4349	562863.8	4234903	1.73E-08	1.54E-08	3.28E-08	2.94E-09	2.48E-09	5.42E-09	1.40E-08	1.13E-08	2.53E-08	2.29E-09	2.20E-09	4.49E-09	1.71E-09	1.12E-09	2.83E-09
4350	562860.1	4234885	1.93E-08	1.72E-08	3.66E-08	3.28E-09	2.76E-09	6.04E-09	1.56E-08	1.27E-08	2.83E-08	2.56E-09	2.45E-09	5.01E-09	1.91E-09	1.25E-09	3.16E-09
4351	562856.4	4234867	2.14E-08	1.91E-08	4.04E-08	3.62E-09	3.05E-09	6.68E-09	1.72E-08	1.40E-08	3.12E-08	2.82E-09	2.71E-09	5.53E-09	2.11E-09	1.38E-09	3.49E-09
4352	562854.6	4234859	2.22E-08	1.98E-08	4.20E-08	3.77E-09	3.18E-09	6.95E-09	1.79E-08	1.45E-08	3.25E-08	2.94E-09	2.82E-09	5.76E-09	2.19E-09	1.44E-09	3.63E-09
4353	562974.3	4235058	2.27E-08	2.03E-08	4.30E-08	3.86E-09	3.25E-09	7.11E-09	1.84E-08	1.49E-08	3.32E-08	3.01E-09	2.89E-09	5.89E-09	2.25E-09	1.47E-09	3.72E-09
4354	562982.8	4235063	2.41E-08	2.15E-08	4.56E-08	4.09E-09	3.45E-09	7.54E-09	1.95E-08	1.58E-08	3.52E-08	3.19E-09	3.06E-09	6.24E-09	2.38E-09	1.56E-09	3.94E-09
4355	562991.2	4235067	2.55E-08	2.28E-08	4.83E-08	4.33E-09	3.65E-09	7.99E-09	2.06E-08	1.67E-08	3.73E-08	3.38E-09	3.24E-09	6.62E-09	2.52E-09	1.66E-09	4.18E-09
4356	562999.7	4235072	2.71E-08	2.41E-08	5.12E-08	4.59E-09	3.87E-09	8.46E-09	2.19E-08	1.77E-08	3.96E-08	3.58E-09	3.43E-09	7.01E-09	2.67E-09	1.75E-09	4.43E-09
4357	563008.1	4235076	2.87E-08	2.56E-08	5.42E-08	4.86E-09	4.10E-09	8.96E-09	2.31E-08	1.88E-08	4.19E-08	3.79E-09	3.64E-09	7.43E-09	2.83E-09	1.86E-09	4.69E-09
4358	563016.6	4235081	3.03E-08	2.71E-08	5.74E-08	5.15E-09	4.34E-09	9.48E-09	2.45E-08	1.98E-08	4.43E-08	4.01E-09	3.85E-09	7.86E-09	3.00E-09	1.97E-09	4.96E-09
4359	563025	4235085	3.20E-08	2.86E-08	6.06E-08	5.44E-09	4.58E-09	1.00E-08	2.59E-08	2.10E-08	4.68E-08	4.24E-09	4.07E-09	8.30E-09	3.16E-09	2.08E-09	5.24E-09
4360	563033.5	4235090	3.38E-08	3.01E-08	6.39E-08	5.73E-09	4.83E-09	1.06E-08	2.73E-08	2.21E-08	4.94E-08	4.47E-09	4.28E-09	8.75E-09	3.33E-09	2.19E-09	5.52E-09
4361	563041.9	4235095	3.57E-08	3.19E-08	6.76E-08	6.07E-09	5.11E-09	1.12E-08	2.89E-08	2.34E-08	5.23E-08	4.73E-09	4.54E-09	9.26E-09	3.53E-09	2.32E-09	5.85E-09
4362	563050.4	4235099	3.77E-08	3.36E-08	7.14E-08	6.40E-09	5.39E-09	1.18E-08	3.05E-08	2.47E-08	5.51E-08	4.99E-09	4.79E-09	9.77E-09	3.72E-09	2.44E-09	6.17E-09
4363	563058.8	4235104	3.96E-08	3.53E-08	7.49E-08	6.72E-09	5.66E-09	1.24E-08	3.20E-08	2.59E-08	5.79E-08	5.24E-09	5.03E-09	1.03E-08	3.91E-09	2.57E-09	6.48E-09
4364	563067.3	4235108	4.13E-08	3.68E-08	7.81E-08	7.00E-09	5.90E-09	1.29E-08	3.33E-08	2.70E-08	6.03E-08	5.46E-09	5.24E-09	1.07E-08	4.08E-09	2.67E-09	6.75E-09

4365	563075.7	4235113	4.26E-08	3.80E-08	8.07E-08	7.24E-09	6.10E-09	1.33E-08	3.44E-08	2.79E-08	6.23E-08	5.64E-09	5.41E-09	1.10E-08	4.21E-09	2.76E-09	6.97E-09
4366	563084.2	4235117	4.38E-08	3.91E-08	8.29E-08	7.44E-09	6.27E-09	1.37E-08	3.54E-08	2.87E-08	6.41E-08	5.80E-09	5.56E-09	1.14E-08	4.33E-09	2.84E-09	7.17E-09
4367	563092.6	4235122	4.48E-08	4.00E-08	8.48E-08	7.61E-09	6.41E-09	1.40E-08	3.62E-08	2.93E-08	6.55E-08	5.93E-09	5.69E-09	1.16E-08	4.43E-09	2.91E-09	7.33E-09
4368	563101.1	4235126	4.56E-08	4.07E-08	8.63E-08	7.74E-09	6.52E-09	1.43E-08	3.68E-08	2.98E-08	6.67E-08	6.03E-09	5.79E-09	1.18E-08	4.50E-09	2.96E-09	7.46E-09
4369	563109.5	4235131	4.62E-08	4.12E-08	8.73E-08	7.83E-09	6.60E-09	1.44E-08	3.73E-08	3.02E-08	6.75E-08	6.10E-09	5.86E-09	1.20E-08	4.56E-09	2.99E-09	7.55E-09
4370	563118	4235136	4.64E-08	4.14E-08	8.79E-08	7.88E-09	6.64E-09	1.45E-08	3.75E-08	3.04E-08	6.79E-08	6.14E-09	5.89E-09	1.20E-08	4.59E-09	3.01E-09	7.60E-09
4371	563126.4	4235140	4.65E-08	4.15E-08	8.80E-08	7.89E-09	6.65E-09	1.45E-08	3.75E-08	3.04E-08	6.80E-08	6.15E-09	5.90E-09	1.20E-08	4.59E-09	3.01E-09	7.60E-09
4372	563134.9	4235145	4.63E-08	4.13E-08	8.76E-08	7.85E-09	6.62E-09	1.45E-08	3.74E-08	3.03E-08	6.77E-08	6.12E-09	5.87E-09	1.20E-08	4.57E-09	3.00E-09	7.57E-09
4373	563143.3	4235149	4.58E-08	4.09E-08	8.67E-08	7.78E-09	6.56E-09	1.43E-08	3.70E-08	3.00E-08	6.70E-08	6.06E-09	5.82E-09	1.19E-08	4.53E-09	2.97E-09	7.50E-09
4374	562949.9	4235065	1.89E-08	1.69E-08	3.58E-08	3.21E-09	2.71E-09	5.92E-09	1.53E-08	1.24E-08	2.77E-08	2.50E-09	2.40E-09	4.90E-09	1.87E-09	1.23E-09	3.09E-09
4375	562943.4	4235058	1.82E-08	1.62E-08	3.45E-08	3.09E-09	2.60E-09	5.70E-09	1.47E-08	1.19E-08	2.66E-08	2.41E-09	2.31E-09	4.72E-09	1.80E-09	1.18E-09	2.98E-09
4376	562936.9	4235052	1.75E-08	1.56E-08	3.32E-08	2.98E-09	2.51E-09	5.48E-09	1.42E-08	1.15E-08	2.56E-08	2.32E-09	2.23E-09	4.54E-09	1.73E-09	1.14E-09	2.87E-09
4377	562930.4	4235045	1.69E-08	1.51E-08	3.20E-08	2.87E-09	2.42E-09	5.28E-09	1.36E-08	1.11E-08	2.47E-08	2.23E-09	2.14E-09	4.38E-09	1.67E-09	1.09E-09	2.76E-09
4378	562923.9	4235039	1.63E-08	1.45E-08	3.08E-08	2.76E-09	2.33E-09	5.09E-09	1.31E-08	1.07E-08	2.38E-08	2.15E-09	2.07E-09	4.22E-09	1.61E-09	1.06E-09	2.66E-09
4379	562917.4	4235032	1.57E-08	1.40E-08	2.97E-08	2.67E-09	2.25E-09	4.91E-09	1.27E-08	1.03E-08	2.30E-08	2.08E-09	1.99E-09	4.07E-09	1.55E-09	1.02E-09	2.57E-09
4380	562910.9	4235026	1.52E-08	1.35E-08	2.87E-08	2.58E-09	2.17E-09	4.75E-09	1.23E-08	9.93E-09	2.22E-08	2.01E-09	1.93E-09	3.93E-09	1.50E-09	9.84E-10	2.48E-09
4381	562904.4	4235019	1.47E-08	1.31E-08	2.78E-08	2.49E-09	2.10E-09	4.59E-09	1.19E-08	9.61E-09	2.15E-08	1.94E-09	1.86E-09	3.80E-09	1.45E-09	9.51E-10	2.40E-09
4382	562897.9	4235013	1.42E-08	1.27E-08	2.69E-08	2.41E-09	2.03E-09	4.45E-09	1.15E-08	9.31E-09	2.08E-08	1.88E-09	1.80E-09	3.69E-09	1.40E-09	9.22E-10	2.33E-09
4383	562891.4	4235006	1.38E-08	1.23E-08	2.61E-08	2.34E-09	1.97E-09	4.32E-09	1.11E-08	9.03E-09	2.02E-08	1.83E-09	1.75E-09	3.58E-09	1.36E-09	8.95E-10	2.26E-09
4384	562885	4235000	1.34E-08	1.20E-08	2.54E-08	2.28E-09	1.92E-09	4.20E-09	1.08E-08	8.79E-09	1.96E-08	1.78E-09	1.70E-09	3.48E-09	1.33E-09	8.70E-10	2.20E-09
4385	562878.5	4234993	1.31E-08	1.17E-08	2.48E-08	2.22E-09	1.87E-09	4.10E-09	1.06E-08	8.57E-09	1.91E-08	1.73E-09	1.66E-09	3.39E-09	1.29E-09	8.49E-10	2.14E-09
4386	562872	4234987	1.28E-08	1.14E-08	2.42E-08	2.17E-09	1.83E-09	4.01E-09	1.03E-08	8.39E-09	1.87E-08	1.69E-09	1.63E-09	3.32E-09	1.27E-09	8.30E-10	2.10E-09
4387	562865.5	4234980	1.26E-08	1.12E-08	2.38E-08	2.13E-09	1.80E-09	3.93E-09	1.02E-08	8.23E-09	1.84E-08	1.66E-09	1.60E-09	3.26E-09	1.24E-09	8.15E-10	2.06E-09
4388	562857.1	4234965	1.26E-08	1.12E-08	2.38E-08	2.13E-09	1.80E-09	3.93E-09	1.01E-08	8.23E-09	1.84E-08	1.66E-09	1.59E-09	3.26E-09	1.24E-09	8.15E-10	2.06E-09
4389	562855.3	4234956	1.28E-08	1.14E-08	2.43E-08	2.18E-09	1.83E-09	4.01E-09	1.04E-08	8.39E-09	1.87E-08	1.70E-09	1.63E-09	3.32E-09	1.27E-09	8.31E-10	2.10E-09
4390	562853.4	4234947	1.31E-08	1.17E-08	2.49E-08	2.23E-09	1.88E-09	4.11E-09	1.06E-08	8.60E-09	1.92E-08	1.74E-09	1.67E-09	3.41E-09	1.30E-09	8.52E-10	2.15E-09
4391	562851.5	4234938	1.35E-08	1.21E-08	2.56E-08	2.30E-09	1.94E-09	4.23E-09	1.09E-08	8.86E-09	1.98E-08	1.79E-09	1.72E-09	3.51E-09	1.34E-09	8.77E-10	2.21E-09
4392	562849.7	4234929	1.40E-08	1.25E-08	2.65E-08	2.38E-09	2.00E-09	4.38E-09	1.13E-08	9.17E-09	2.05E-08	1.85E-09	1.78E-09	3.63E-09	1.38E-09	9.08E-10	2.29E-09
4393	562847.8	4234920	1.46E-08	1.30E-08	2.76E-08	2.47E-09	2.08E-09	4.56E-09	1.18E-08	9.54E-09	2.13E-08	1.93E-09	1.85E-09	3.78E-09	1.44E-09	9.45E-10	2.38E-09
4394	562845.9	4234911	1.52E-08	1.36E-08	2.88E-08	2.59E-09	2.18E-09	4.77E-09	1.23E-08	9.98E-09	2.23E-08	2.02E-09	1.93E-09	3.95E-09	1.51E-09	9.88E-10	2.49E-09
4395	562844.1	4234902	1.60E-08	1.43E-08	3.03E-08	2.72E-09	2.29E-09	5.01E-09	1.29E-08	1.05E-08	2.34E-08	2.12E-09	2.03E-09	4.15E-09	1.58E-09	1.04E-09	2.62E-09
4396	562842.2	4234893	1.69E-08	1.51E-08	3.20E-08	2.87E-09	2.42E-09	5.29E-09	1.37E-08	1.11E-08	2.47E-08	2.24E-09	2.15E-09	4.38E-09	1.67E-09	1.10E-09	2.77E-09
4397	562840.3	4234884	1.79E-08	1.60E-08	3.39E-08	3.04E-09	2.56E-09	5.60E-09	1.45E-08	1.17E-08	2.62E-08	2.37E-09	2.27E-09	4.64E-09	1.77E-09	1.16E-09	2.93E-09
4398	562838.5	4234875	1.90E-08	1.70E-08	3.60E-08	3.23E-09	2.72E-09	5.95E-09	1.54E-08	1.25E-08	2.78E-08	2.52E-09	2.41E-09	4.93E-09	1.88E-09	1.23E-09	3.11E-09
4399	562836.6	4234866	2.01E-08	1.79E-08	3.79E-08	3.40E-09	2.87E-09	6.27E-09	1.62E-08	1.31E-08	2.93E-08	2.65E-09	2.54E-09	5.20E-09	1.98E-09	1.30E-09	3.28E-09
4400	562834.8	4234857	2.12E-08	1.90E-08	4.02E-08	3.60E-09	3.04E-09	6.64E-09	1.72E-08	1.39E-08	3.11E-08	2.81E-09	2.70E-09	5.51E-09	2.10E-09	1.38E-09	3.48E-09
4401	562832.9	4234848	2.26E-08	2.02E-08	4.28E-08	3.83E-09	3.23E-09	7.07E-09	1.82E-08	1.48E-08	3.30E-08	2.99E-09	2.87E-09	5.86E-09	2.23E-09	1.46E-09	3.70E-09
4402	562964.8	4235076	2.07E-08	1.85E-08	3.92E-08	3.52E-09	2.97E-09	6.49E-09	1.67E-08	1.36E-08	3.03E-08	2.74E-09	2.63E-09	5.38E-09	2.05E-09	1.34E-09	3.39E-09
4403	562973.3	4235080	2.19E-08	1.95E-08	4.14E-08	3.72E-09	3.13E-09	6.85E-09	1.77E-08	1.43E-08	3.20E-08	2.90E-09	2.78E-09	5.68E-09	2.16E-09	1.42E-09	3.58E-09
4404	562981.7	4235085	2.31E-08	2.06E-08	4.38E-08	3.92E-09	3.31E-09	7.23E-09	1.87E-08	1.51E-08	3.38E-08	3.06E-09	2.93E-09	5.99E-09	2.28E-09	1.50E-09	3.78E-09
4405	562990.2	4235089	2.44E-08	2.18E-08	4.62E-08	4.14E-09	3.49E-09	7.63E-09	1.97E-08	1.60E-08	3.57E-08	3.23E-09	3.10E-09	6.33E-09	2.41E-09	1.58E-09	3.99E-09
4406	562998.6	4235094	2.58E-08	2.30E-08	4.87E-08	4.37E-09	3.68E-09	8.05E-09	2.08E-08	1.69E-08	3.77E-08	3.41E-09	3.27E-09	6.67E-09	2.54E-09	1.67E-09	4.21E-09
4407	563007.1	4235099	2.72E-08	2.42E-08	5.14E-08	4.61E-09	3.88E-09	8.49E-09	2.19E-08	1.78E-08	3.97E-08	3.59E-09	3.45E-09	7.04E-09	2.68E-09	1.76E-09	4.44E-09
4408	563015.5	4235103	2.86E-08	2.55E-08	5.41E-08	4.85E-09	4.09E-09	8.94E-09	2.31E-08	1.87E-08	4.18E-08	3.78E-09	3.63E-09	7.41E-09	2.82E-09	1.85E-09	4.68E-09
4409	563024	4235108	3.00E-08	2.68E-08	5.69E-08	5.10E-09	4.30E-09	9.40E-09	2.43E-08	1.97E-08	4.39E-08	3.97E-09	3.81E-09	7.79E-09	2.97E-09	1.95E-09	4.91E-09
4410	563032.4	4235112	3.15E-08	2.81E-08	5.96E-08	5.35E-09	4.51E-09	9.85E-09	2.54E-08	2.06E-08	4.61E-08	4.17E-09	4.00E-09	8.17E-09	3.11E-09	2.04E-09	5.15E-09
4411	563040.9	4235117	3.32E-08	2.96E-08	6.27E-08	5.63E-09	4.74E-09	1.04E-08	2.68E-08	2.17E-08	4.85E-08	4.38E-09	4.21E-09	8.59E-09	3.27E-09	2.15E-09	5.42E-09
4412	563049.3	4235121	3.47E-08	3.10E-08	6.57E-08	5.89E-09	4.96E-09	1.09E-08	2.80E-08	2.27E-08	5.07E-08	4.59E-09	4.40E-09	9.00E-09	3.43E-09	2.25E-09	5.68E-09
4413	563057.8	4235126	3.61E-08	3.22E-08	6.84E-08	6.13E-09	5.17E-09	1.13E-08	2.92E-08	2.37E-08	5.28E-08	4.78E-09	4.59E-09	9.37E-09	3.57E-09	2.34E-09	5.91E-09
4414	563066.2	4235130	3.74E-08	3.34E-08	7.07E-08	6.34E-09	5.35E-09	1.17E-08	3.02E-08	2.45E-08	5.47E-08	4.94E-09	4.74E-09	9.69E-09	3.69E-09	2.42E-09	6.12E-09
4415	563074.7	4235135	3.85E-08	3.44E-08	7.29E-08	6.54E-09	5.51E-09	1.20E-08	3.11E-08	2.52E-08	5.63E-08	5.10E-09	4.89E-09	9.98E-09	3.81E-09	2.50E-09	6.30E-09
4416	563083.1	4235139	3.96E-08	3.53E-08	7.49E-08	6.72E-09	5.66E-09	1.24E-08	3.20E-08	2.59E-08	5.79E-08	5.23E-09	5.02E-09	1.03E-08	3.91E-09	2.57E-09	6.47E-09
4417	563091.6	4235144	4.05E-08	3.62E-08	7.67E-08	6.88E-09	5.80E-09	1.27E-08	3.27E-08	2.65E-08	5.92E-08	5.36E-09	5.14E-09	1.05E-08	4.00E-09	2.63E-09	6.63E-09
4418	563100	4235149	4.11E-08	3.67E-08	7.78E-08	6.98E-09	5.88E-09	1.29E-08	3.32E-08	2.69E-08	6.01E-08	5.44E-09	5.22E-09	1.07E-08	4.06E-09	2.67E-09	6.73E-09
4419	563108.5	4235153	4.15E-08	3.70E-08	7.85E-08	7.04E-09	5.93E-09	1.30E-08	3.35E-08	2.71E-08	6.06E-08	5.49E-09	5.26E-09	1.08E-08	4.10E-09	2.69E-09	6.79E-09
4420	563117	4235158	4.17E-08	3.72E-08	7.89E-08	7.08E-09	5.96E-09	1.30E-08	3.37E-08	2.73E-08	6.10E-08	5.52E-09	5.29E-09	1.08E-08	4.12E-09	2.70E-09	6.82E-09
4421	563125.4	4235162	4.18E-08	3.72E-08	7.90E-08	7.08E-09	5.97E-09	1.31E-08	3.37E-08	2.73E-08	6.10E-08	5.52E-09	5.30E-09	1.08E-08	4.12E-09	2.71E-09	6.83E-09
4422	563133.9	4235167	4.15E-08	3.71E-08	7.86E-08	7.05E-09	5.94E-09	1.30E-08	3.35E-08	2.72E-08	6.07E-08	5.49E-09	5.27E-09	1.08E-08	4.10E-09	2.69E-09	6.79E-09
4423	562940.3	4235082	1.74E-08	1.56E-08	3.30E-08	2.96E-09	2.49E-09	5.45E-09	1.41E-08	1.14E-08	2.55E-08	2.31E-09	2.21E-09	4.52E-09	1.72E-09	1.13E-09	2.85E-09
4424	562933.7	4235076	1.68E-08	1.50E-08	3.18E-08	2.85E-09	2.40E-09	5.25E-09	1.36E-08	1.10E-08	2.46E-08	2.22E-09	2.13E-09	4.35E-09	1.66E-09	1.09E-09	2.75E-09
4425	562927.1	4235069	1.62E-08	1.45E-08	3.07E-08	2.75E-09	2.32E-09	5.07E-09	1.31E-08	1.06E-08	2.37E-08	2.14E-09	2.06E-09	4.20E-09	1.60E-09	1.05E-09	2.65E-09
4426	562920.5	4235063	1.56E-08	1.39E-08	2.96E-08	2.65E-09	2.23E-09	4.89E-09	1.26E-08	1.02E-08	2.28E-08	2.07E-09	1.98E-09	4.05E-09	1.54E-09	1.01E-09	2.56E-09
4427	562913.9	4235056	1.51E-08	1.34E-08	2.85E-08	2.56E-09	2.16E-09	4.71E-09	1.22E-08	9.86E-09	2.20E-08	1.99E-09	1.91E-09	3.91E-09	1.49E-09	9.77E-10	2.47E-09
4428	562907.3	4235049	1.46E-08	1.30E-08	2.75E-08	2.47E-09	2.08E-09	4.55E-09	1.18E-08	9.52E-09	2.13E-08	1.92E-09	1.85E-09	3.77E-09	1.44E-09	9.43E-10	2.38E-09
4429	562900.7	4235043	1.41E-08	1.25E-08	2.66E-08	2.39E-09	2.01E-09	4.40E-09	1.14E-08	9.20E-09	2.06E-08	1.86E-09	1.78E-09	3.64E-09	1.39E-09	9.11E-10	2.30E-09
4430	562894.1	4235036	1.36E-08	1.21E-08	2.57E-08	2.31E-09	1.95E-09	4.25E-09	1.10E-08	8.90E-09	1.99E-08	1.80E-09	1.73E-09	3.53E-09	1.34E-09	8.82E-10	2.23E-09
4431	562887.5	4235030	1.32E-08	1.18E-08	2.49E-08	2.24E-09	1.88E-09	4.12E-09	1.06E-08	8.62E-09	1.93E-08	1.74E-09	1.67E-09	3.41E-09	1.30E-09	8.54E-10	2.16E-09
4432	562881	4235023	1.28E-08	1.14E-08	2.42E-08	2.17E-09	1.83E-09	4.00E-09	1.03E-08	8.37E-09	1.87E-08	1.69E-09	1.62E-09	3.31E-09	1.26E-09	8.29E-10	2.09E-09
4433	562874.4	4235016	1.24E-08	1.11E-08	2.35E-08	2.11E-09	1.78E-09	3.89E-09	1.00E-08	8.13E-09	1.82E-08	1.64E-09	1.58E-09	3.22E-09	1.23E-09	8.05E-10	2.03E-09
4434	562867.8	4235010	1.21E-08	1.08E-08	2.29E-08	2.05E-09	1.73E-09	3.79E-09	9.77E-09	7.92E-09	1.77E-08	1.60E-09	1.54E-09	3.14E-09	1.20E-09	7.85E-10	1.98E-09
4435	562861.2	4235003	1.18E-08	1.05E-08	2.24E-08	2.01E-09	1.69E-09	3.70E-09	9.54E-09	7.73E-09	1.73E-08	1.56E-09	1.50E-09	3.06E-09	1.17E-09	7.66E-10	1.93E-09
4436	562854.6	4234997	1.16E-08	1.03E-08	2.19E-08	1.96E-09	1.65E-09	3.62E-09	9.34E-09	7.57E-09	1.69E-08	1.53E-09	1.47E-09	3.00E-09	1.14E-09	7.50E-10	1.89E-09
4437	562848	4234990	1.14E-08	1.01E-08	2.15E-08	1.93E-09	1.62E-09	3.55E-09	9.17E-09	7.43E-09	1.66E-08	1.50E-09	1.44E-09	2.94E-09	1.12E-09	7.36E-10	1.86E-09
4438	562839.5	4234974	1.13E-08	1.01E-08	2.15E-08	1.92E-09	1.62E-09	3.54E-09	9.15E-09	7.42E-09	1.66E-08	1.50E-09	1.44E-09	2.94E-09	1.12E-09	7.35E-10	1.85E-09
4439	562837.6	4234965	1.15E-08	1.03E-08	2.18E-08	1.96E-09	1.65E-09	3.61E-09	9.32E-09	7.55E-09	1.69E-08	1.53E-09	1.46E-09	2.99E-09	1.14E-09	7.48E-10	1.89E-09
4440	562835.7	4234956	1.18E-08	1.05E-08	2.23E-08	2.00E-09	1.69E-09	3.69E-09	9.53E-09	7.72E-09	1.73E-08	1.56E-09	1.50E-09	3.06E-09	1.17E-09	7.65E-10	1.93E-09
4441	562833.8	4234947	1.21E-08	1.08E-08	2.29E-08	2.06E-09	1.73E-09	3.79E-09	9.79E-09	7.94E-09	1.77E-08	1.60E-09	1.54E-09	3.14E-09	1.20E-09	7.86E-10	1.98E-09
4442	562831.9	4234938	1.25E-08	1.12E-08	2.37E-08	2.12E-09	1.79E-09	3.91E-09	1.01E-08	8.19E-09	1.83E-08	1.66E-09	1.59E-09	3.24E-09	1.24E-09	8.11E-10	2.05E-09
4443	562830	4234929	1.30E-08	1.16E-08	2.46E-08	2.20E-09	1.86E-09	4.06E-09	1.05E-08	8.50E-09	1.90E-08	1.72E-09	1.65E-09	3.36E-09	1.28E-09	8.41E-10	2.12E-09
4444	562828.1	4234920	1.35E-08	1.21E-08	2.56E-08	2.30E-09	1.94E-09	4.23E-09	1.09E-08	8.86E-09	1.98E-08	1.79E-09	1.72E-09	3.51E-09	1.34E-09	8.77E-10	2.21E-09
4445	562826.2	4234911	1.42E-08	1.26E-08	2.68E-08	2.41E-09	2.03E-09	4.43E-09	1.14E-08	9.28E-09	2.07E-08	1.87E-09	1.80E-09	3.67E-09	1.40E-09	9.19E-10	2.32E-09
4446	562824.4	4234901	1.49E-08	1.33E-08	2.82E-08	2.53E-09	2.13E-09	4.66E-09	1.20E-08	9.76E-09	2.18E-08	1.97E-09	1.89E-09	3.86E-09	1.47E-09	9.66E-10	2.44E-09
4447	562822.5	4234892	1.57E-08	1.40E-08	2.98E-08	2.67E-09	2.25E-09	4.92E-09	1.27E-08	1.03E-08	2.30E-08	2.08E-09	2.00E-09	4.08E-09	1.55E-09	1.02E-09	2.58E-09
4448	562820.6	4234883	1.67E-08	1.49E-08	3.16E-08	2.83E-09	2.39E-09	5.22E-09	1.35E-08	1.09E-08	2.44E-08	2.21E-09	2.12E-09	4.33E-09	1.65E-09	1.08E-09	2.73E-09
4449	562818.7	4234874	1.78E-08	1.59E-08	3.36E-08	3.02E-09	2.54E-09	5.56E-09	1.44E-08	1.16E-08	2.60E-08	2.35E-09	2.26E-09	4.61E-09	1.76E-09	1.15E-09	2.91E-09
4450	562816.8	4234865	1.90E-08	1.69E-08	3.59E-08	3.22E-09	2.71E-09	5.93E-09	1.53E-08	1.24E-08	2.77E-08	2.51E-09	2.41E-09	4.91E-09	1.87E-09	1.23E-09	3.10E-09
4451	562814.9	4234856	2.02E-08	1.81E-08	3.83E-08	3.44E-09	2.90E-09	6.33E-09	1.63E-08	1.32E-08	2.96E-08	2.68E-09	2.57E-09	5.25E-09	2.00E-09	1.31E-09	3.31E-09
4452	562813	4234847	2.16E-08	1.93E-08	4.09E-08	3.67E-09	3.09E-09	6.76E-09	1.75E-08	1.42E-08	3.16E-08	2.86E-09	2.74E-09	5.61E-09	2.14E-09	1.40E-09	3.54E-09
4453	562946.9	4235089	1.81E-08	1.61E-08	3.42E-08	3.07E-09	2.59E-09	5.65E-09	1.46E-08	1.18E-08	2.64E-08	2.39E-09	2.29E-09	4.68E-09	1.79E-09	1.17E-09	2.96E-09
4454	562955.3	4235093	1.90E-08	1.70E-08	3.60E-08	3.23E-09	2.72E-09	5.95E-09	1.54E-08	1.24E-08	2.78E-08	2.52E-09	2.41E-09	4.93E-09	1.88E-09	1.23E-09	3.11E-09
4455	562963.8	4235098	2.00E-08	1.79E-08	3.79E-08	3.40E-09	2.86E-09	6.26E-09	1.62E-08	1.31E-08	2.93E-08	2.65E-09	2.54E-09	5.19E-09	1.98E-09	1.30E-09	3.27E-09

4456	562972.2	4235103	2.11E-08	1.88E-08	3.99E-08	3.57E-09	3.01E-09	6.59E-09	1.70E-08	1.38E-08	3.08E-08	2.79E-09	2.67E-09	5.46E-09	2.08E-09	1.37E-09	3.45E-09
4457	562980.7	4235107	2.22E-08	1.98E-08	4.19E-08	3.76E-09	3.17E-09	6.93E-09	1.79E-08	1.45E-08	3.24E-08	2.93E-09	2.81E-09	5.74E-09	2.19E-09	1.44E-09	3.63E-09
4458	562989.2	4235112	2.33E-08	2.08E-08	4.41E-08	3.95E-09	3.33E-09	7.29E-09	1.88E-08	1.53E-08	3.41E-08	3.08E-09	2.96E-09	6.04E-09	2.30E-09	1.51E-09	3.81E-09
4459	562997.6	4235116	2.45E-08	2.18E-08	4.63E-08	4.16E-09	3.50E-09	7.66E-09	1.98E-08	1.60E-08	3.58E-08	3.24E-09	3.11E-09	6.35E-09	2.42E-09	1.59E-09	4.01E-09
4460	563006.1	4235121	2.57E-08	2.29E-08	4.86E-08	4.36E-09	3.68E-09	8.04E-09	2.08E-08	1.68E-08	3.76E-08	3.40E-09	3.26E-09	6.66E-09	2.54E-09	1.67E-09	4.21E-09
4461	563014.5	4235125	2.69E-08	2.40E-08	5.10E-08	4.57E-09	3.85E-09	8.43E-09	2.18E-08	1.76E-08	3.94E-08	3.56E-09	3.42E-09	6.98E-09	2.66E-09	1.75E-09	4.41E-09
4462	563023	4235130	2.82E-08	2.52E-08	5.33E-08	4.78E-09	4.03E-09	8.82E-09	2.28E-08	1.85E-08	4.12E-08	3.73E-09	3.58E-09	7.31E-09	2.78E-09	1.83E-09	4.61E-09
4463	563031.4	4235134	2.94E-08	2.63E-08	5.57E-08	4.99E-09	4.21E-09	9.20E-09	2.38E-08	1.93E-08	4.30E-08	3.89E-09	3.73E-09	7.63E-09	2.91E-09	1.91E-09	4.81E-09
4464	563039.9	4235139	3.07E-08	2.74E-08	5.81E-08	5.21E-09	4.39E-09	9.60E-09	2.48E-08	2.01E-08	4.49E-08	4.06E-09	3.89E-09	7.95E-09	3.03E-09	1.99E-09	5.02E-09
4465	563048.3	4235143	3.19E-08	2.84E-08	6.03E-08	5.40E-09	4.56E-09	9.96E-09	2.57E-08	2.08E-08	4.66E-08	4.21E-09	4.04E-09	8.25E-09	3.15E-09	2.06E-09	5.21E-09
4466	563056.8	4235148	3.29E-08	2.94E-08	6.23E-08	5.59E-09	4.71E-09	1.03E-08	2.66E-08	2.15E-08	4.81E-08	4.35E-09	4.18E-09	8.53E-09	3.25E-09	2.13E-09	5.38E-09
4467	563065.2	4235153	3.40E-08	3.03E-08	6.43E-08	5.76E-09	4.86E-09	1.06E-08	2.74E-08	2.22E-08	4.96E-08	4.49E-09	4.31E-09	8.80E-09	3.35E-09	2.20E-09	5.55E-09
4468	563073.7	4235157	3.50E-08	3.12E-08	6.62E-08	5.94E-09	5.00E-09	1.09E-08	2.82E-08	2.29E-08	5.11E-08	4.63E-09	4.44E-09	9.07E-09	3.45E-09	2.27E-09	5.72E-09
4469	563082.1	4235162	3.58E-08	3.20E-08	6.78E-08	6.08E-09	5.12E-09	1.12E-08	2.89E-08	2.34E-08	5.24E-08	4.74E-09	4.55E-09	9.28E-09	3.54E-09	2.32E-09	5.86E-09
4470	563090.6	4235166	3.65E-08	3.25E-08	6.90E-08	6.18E-09	5.21E-09	1.14E-08	2.94E-08	2.39E-08	5.33E-08	4.82E-09	4.63E-09	9.45E-09	3.60E-09	2.36E-09	5.96E-09
4471	563099	4235171	3.69E-08	3.30E-08	6.99E-08	6.27E-09	5.28E-09	1.16E-08	2.98E-08	2.42E-08	5.40E-08	4.89E-09	4.69E-09	9.57E-09	3.65E-09	2.39E-09	6.04E-09
4472	563107.5	4235175	3.73E-08	3.33E-08	7.07E-08	6.34E-09	5.34E-09	1.17E-08	3.02E-08	2.44E-08	5.46E-08	4.94E-09	4.74E-09	9.68E-09	3.69E-09	2.42E-09	6.11E-09
4473	563115.9	4235180	3.76E-08	3.36E-08	7.12E-08	6.39E-09	5.38E-09	1.18E-08	3.04E-08	2.46E-08	5.50E-08	4.98E-09	4.78E-09	9.75E-09	3.72E-09	2.44E-09	6.16E-09
4474	563124.4	4235184	3.77E-08	3.37E-08	7.14E-08	6.40E-09	5.40E-09	1.18E-08	3.05E-08	2.47E-08	5.52E-08	4.99E-09	4.79E-09	9.78E-09	3.73E-09	2.45E-09	6.17E-09
4475	562930.7	4235100	1.61E-08	1.44E-08	3.05E-08	2.74E-09	2.31E-09	5.04E-09	1.30E-08	1.06E-08	2.36E-08	2.13E-09	2.05E-09	4.18E-09	1.59E-09	1.05E-09	2.64E-09
4476	562924	4235093	1.56E-08	1.39E-08	2.95E-08	2.64E-09	2.23E-09	4.87E-09	1.26E-08	1.02E-08	2.28E-08	2.06E-09	1.98E-09	4.03E-09	1.54E-09	1.01E-09	2.55E-09
4477	562917.4	4235086	1.50E-08	1.34E-08	2.84E-08	2.55E-09	2.15E-09	4.70E-09	1.21E-08	9.84E-09	2.20E-08	1.99E-09	1.91E-09	3.89E-09	1.48E-09	9.74E-10	2.46E-09
4478	562910.7	4235080	1.45E-08	1.29E-08	2.75E-08	2.46E-09	2.07E-09	4.54E-09	1.17E-08	9.49E-09	2.12E-08	1.92E-09	1.84E-09	3.76E-09	1.43E-09	9.40E-10	2.37E-09
4479	562904	4235073	1.40E-08	1.25E-08	2.65E-08	2.38E-09	2.00E-09	4.38E-09	1.13E-08	9.17E-09	2.05E-08	1.85E-09	1.78E-09	3.63E-09	1.38E-09	9.08E-10	2.29E-09
4480	562897.3	4235066	1.35E-08	1.21E-08	2.56E-08	2.30E-09	1.94E-09	4.23E-09	1.09E-08	8.86E-09	1.98E-08	1.79E-09	1.72E-09	3.51E-09	1.34E-09	8.77E-10	2.21E-09
4481	562890.6	4235060	1.31E-08	1.17E-08	2.48E-08	2.22E-09	1.87E-09	4.09E-09	1.06E-08	8.57E-09	1.91E-08	1.73E-09	1.66E-09	3.39E-09	1.29E-09	8.48E-10	2.14E-09
4482	562883.9	4235053	1.27E-08	1.13E-08	2.40E-08	2.15E-09	1.81E-09	3.96E-09	1.02E-08	8.29E-09	1.85E-08	1.68E-09	1.61E-09	3.28E-09	1.25E-09	8.21E-10	2.07E-09
4483	562877.3	4235046	1.23E-08	1.09E-08	2.32E-08	2.08E-09	1.76E-09	3.84E-09	9.91E-09	8.03E-09	1.79E-08	1.62E-09	1.56E-09	3.18E-09	1.21E-09	7.95E-10	2.01E-09
4484	562870.6	4235040	1.19E-08	1.06E-08	2.25E-08	2.02E-09	1.70E-09	3.72E-09	9.61E-09	7.79E-09	1.74E-08	1.57E-09	1.51E-09	3.09E-09	1.18E-09	7.72E-10	1.95E-09
4485	562863.9	4235033	1.16E-08	1.03E-08	2.19E-08	1.96E-09	1.65E-09	3.62E-09	9.34E-09	7.57E-09	1.69E-08	1.53E-09	1.47E-09	3.00E-09	1.14E-09	7.50E-10	1.89E-09
4486	562857.2	4235026	1.13E-08	1.00E-08	2.13E-08	1.91E-09	1.61E-09	3.52E-09	9.09E-09	7.37E-09	1.65E-08	1.49E-09	1.43E-09	2.92E-09	1.11E-09	7.30E-10	1.84E-09
4487	562850.5	4235020	1.10E-08	9.80E-09	2.08E-08	1.86E-09	1.57E-09	3.43E-09	8.87E-09	7.19E-09	1.61E-08	1.45E-09	1.39E-09	2.85E-09	1.08E-09	7.12E-10	1.80E-09
4488	562843.8	4235013	1.07E-08	9.57E-09	2.03E-08	1.82E-09	1.53E-09	3.36E-09	8.66E-09	7.02E-09	1.57E-08	1.42E-09	1.36E-09	2.78E-09	1.06E-09	6.95E-10	1.76E-09
4489	562837.2	4235006	1.05E-08	9.38E-09	1.99E-08	1.78E-09	1.50E-09	3.29E-09	8.49E-09	6.88E-09	1.54E-08	1.39E-09	1.33E-09	2.72E-09	1.04E-09	6.81E-10	1.72E-09
4490	562830.5	4235000	1.03E-08	9.21E-09	1.95E-08	1.75E-09	1.48E-09	3.23E-09	8.33E-09	6.75E-09	1.51E-08	1.36E-09	1.31E-09	2.67E-09	1.02E-09	6.69E-10	1.69E-09
4491	562821.9	4234984	1.03E-08	9.18E-09	1.95E-08	1.75E-09	1.47E-09	3.22E-09	8.31E-09	6.73E-09	1.50E-08	1.36E-09	1.31E-09	2.67E-09	1.02E-09	6.67E-10	1.68E-09
4492	562820	4234975	1.04E-08	9.31E-09	1.97E-08	1.77E-09	1.49E-09	3.26E-09	8.42E-09	6.83E-09	1.53E-08	1.38E-09	1.32E-09	2.70E-09	1.03E-09	6.76E-10	1.71E-09
4493	562818	4234965	1.06E-08	9.47E-09	2.01E-08	1.80E-09	1.52E-09	3.32E-09	8.57E-09	6.95E-09	1.55E-08	1.40E-09	1.35E-09	2.75E-09	1.05E-09	6.88E-10	1.74E-09
4494	562816.1	4234956	1.09E-08	9.69E-09	2.06E-08	1.84E-09	1.55E-09	3.40E-09	8.77E-09	7.11E-09	1.59E-08	1.44E-09	1.38E-09	2.82E-09	1.07E-09	7.04E-10	1.78E-09
4495	562814.2	4234947	1.12E-08	9.96E-09	2.11E-08	1.89E-09	1.60E-09	3.49E-09	9.01E-09	7.30E-09	1.63E-08	1.48E-09	1.42E-09	2.89E-09	1.10E-09	7.23E-10	1.83E-09
4496	562812.3	4234938	1.15E-08	1.03E-08	2.18E-08	1.96E-09	1.65E-09	3.60E-09	9.31E-09	7.54E-09	1.68E-08	1.52E-09	1.46E-09	2.99E-09	1.14E-09	7.47E-10	1.89E-09
4497	562810.4	4234928	1.20E-08	1.07E-08	2.26E-08	2.03E-09	1.71E-09	3.74E-09	9.65E-09	7.82E-09	1.75E-08	1.58E-09	1.52E-09	3.10E-09	1.18E-09	7.75E-10	1.96E-09
4498	562808.4	4234919	1.25E-08	1.11E-08	2.36E-08	2.11E-09	1.78E-09	3.90E-09	1.01E-08	8.15E-09	1.82E-08	1.65E-09	1.58E-09	3.23E-09	1.23E-09	8.07E-10	2.04E-09
4499	562806.5	4234910	1.30E-08	1.16E-08	2.47E-08	2.21E-09	1.87E-09	4.08E-09	1.05E-08	8.54E-09	1.91E-08	1.72E-09	1.65E-09	3.38E-09	1.29E-09	8.45E-10	2.13E-09
4500	562804.6	4234901	1.38E-08	1.23E-08	2.60E-08	2.33E-09	1.97E-09	4.30E-09	1.11E-08	9.00E-09	2.01E-08	1.82E-09	1.75E-09	3.56E-09	1.36E-09	8.91E-10	2.25E-09
4501	562802.7	4234891	1.46E-08	1.30E-08	2.76E-08	2.48E-09	2.09E-09	4.57E-09	1.18E-08	9.56E-09	2.14E-08	1.93E-09	1.85E-09	3.79E-09	1.44E-09	9.47E-10	2.39E-09
4502	562800.8	4234882	1.56E-08	1.39E-08	2.95E-08	2.65E-09	2.23E-09	4.88E-09	1.26E-08	1.02E-08	2.28E-08	2.06E-09	1.98E-09	4.04E-09	1.54E-09	1.01E-09	2.55E-09
4503	562798.9	4234873	1.67E-08	1.49E-08	3.15E-08	2.83E-09	2.38E-09	5.21E-09	1.35E-08	1.09E-08	2.44E-08	2.20E-09	2.11E-09	4.32E-09	1.65E-09	1.08E-09	2.73E-09
4504	562796.9	4234864	1.78E-08	1.59E-08	3.36E-08	3.02E-09	2.54E-09	5.56E-09	1.43E-08	1.16E-08	2.60E-08	2.35E-09	2.25E-09	4.61E-09	1.76E-09	1.15E-09	2.91E-09
4505	562795	4234854	1.90E-08	1.69E-08	3.59E-08	3.22E-09	2.71E-09	5.93E-09	1.53E-08	1.24E-08	2.77E-08	2.51E-09	2.41E-09	4.92E-09	1.87E-09	1.23E-09	3.10E-09
4506	562793.1	4234845	2.03E-08	1.81E-08	3.83E-08	3.44E-09	2.90E-09	6.33E-09	1.64E-08	1.33E-08	2.96E-08	2.68E-09	2.57E-09	5.25E-09	2.00E-09	1.31E-09	3.31E-09
4507	562937.4	4235106	1.67E-08	1.49E-08	3.16E-08	2.83E-09	2.39E-09	5.22E-09	1.35E-08	1.09E-08	2.44E-08	2.21E-09	2.12E-09	4.33E-09	1.65E-09	1.08E-09	2.73E-09
4508	562945.9	4235111	1.75E-08	1.56E-08	3.32E-08	2.97E-09	2.51E-09	5.48E-09	1.42E-08	1.15E-08	2.56E-08	2.32E-09	2.22E-09	4.54E-09	1.73E-09	1.14E-09	2.87E-09
4509	562954.3	4235116	1.84E-08	1.64E-08	3.48E-08	3.12E-09	2.63E-09	5.75E-09	1.49E-08	1.20E-08	2.69E-08	2.43E-09	2.33E-09	4.77E-09	1.82E-09	1.19E-09	3.01E-09
4510	562962.8	4235120	1.93E-08	1.72E-08	3.65E-08	3.27E-09	2.76E-09	6.03E-09	1.56E-08	1.26E-08	2.82E-08	2.55E-09	2.45E-09	5.00E-09	1.91E-09	1.25E-09	3.16E-09
4511	562971.2	4235125	2.02E-08	1.81E-08	3.83E-08	3.43E-09	2.89E-09	6.33E-09	1.63E-08	1.32E-08	2.96E-08	2.68E-09	2.57E-09	5.25E-09	2.00E-09	1.31E-09	3.31E-09
4512	562979.7	4235129	2.12E-08	1.89E-08	4.02E-08	3.60E-09	3.03E-09	6.64E-09	1.71E-08	1.39E-08	3.10E-08	2.81E-09	2.69E-09	5.50E-09	2.10E-09	1.38E-09	3.47E-09
4513	562988.1	4235134	2.22E-08	1.98E-08	4.21E-08	3.77E-09	3.18E-09	6.95E-09	1.80E-08	1.45E-08	3.25E-08	2.94E-09	2.82E-09	5.76E-09	2.20E-09	1.44E-09	3.64E-09
4514	562996.6	4235138	2.33E-08	2.08E-08	4.40E-08	3.95E-09	3.33E-09	7.28E-09	1.88E-08	1.52E-08	3.40E-08	3.08E-09	2.95E-09	6.03E-09	2.30E-09	1.51E-09	3.81E-09
4515	563005	4235143	2.43E-08	2.17E-08	4.60E-08	4.13E-09	3.48E-09	7.61E-09	1.96E-08	1.59E-08	3.56E-08	3.22E-09	3.09E-09	6.31E-09	2.40E-09	1.58E-09	3.98E-09
4516	563013.5	4235147	2.54E-08	2.27E-08	4.81E-08	4.31E-09	3.63E-09	7.94E-09	2.05E-08	1.66E-08	3.71E-08	3.36E-09	3.22E-09	6.58E-09	2.51E-09	1.65E-09	4.16E-09
4517	563021.9	4235152	2.65E-08	2.36E-08	5.01E-08	4.49E-09	3.79E-09	8.28E-09	2.14E-08	1.73E-08	3.87E-08	3.50E-09	3.36E-09	6.86E-09	2.61E-09	1.72E-09	4.33E-09
4518	563030.4	4235157	2.75E-08	2.46E-08	5.21E-08	4.67E-09	3.94E-09	8.61E-09	2.22E-08	1.80E-08	4.02E-08	3.64E-09	3.49E-09	7.13E-09	2.72E-09	1.78E-09	4.50E-09
4519	563038.8	4235161	2.86E-08	2.55E-08	5.40E-08	4.85E-09	4.08E-09	8.93E-09	2.31E-08	1.87E-08	4.17E-08	3.78E-09	3.62E-09	7.40E-09	2.82E-09	1.85E-09	4.67E-09
4520	563047.3	4235166	2.95E-08	2.63E-08	5.59E-08	5.01E-09	4.22E-09	9.24E-09	2.38E-08	1.93E-08	4.32E-08	3.91E-09	3.75E-09	7.65E-09	2.92E-09	1.91E-09	4.83E-09
4521	563055.7	4235170	3.05E-08	2.72E-08	5.76E-08	5.17E-09	4.35E-09	9.52E-09	2.46E-08	1.99E-08	4.45E-08	4.03E-09	3.86E-09	7.89E-09	3.01E-09	1.97E-09	4.98E-09
4522	563064.2	4235175	3.13E-08	2.79E-08	5.92E-08	5.31E-09	4.47E-09	9.78E-09	2.53E-08	2.05E-08	4.57E-08	4.14E-09	3.97E-09	8.11E-09	3.09E-09	2.03E-09	5.12E-09
4523	563072.6	4235179	3.20E-08	2.86E-08	6.06E-08	5.43E-09	4.58E-09	1.00E-08	2.59E-08	2.10E-08	4.68E-08	4.24E-09	4.06E-09	8.30E-09	3.16E-09	2.08E-09	5.24E-09
4524	563081.1	4235184	3.27E-08	2.91E-08	6.18E-08	5.54E-09	4.67E-09	1.02E-08	2.64E-08	2.14E-08	4.77E-08	4.32E-09	4.14E-09	8.46E-09	3.22E-09	2.12E-09	5.34E-09
4525	563089.5	4235188	3.32E-08	2.96E-08	6.27E-08	5.63E-09	4.74E-09	1.04E-08	2.68E-08	2.17E-08	4.85E-08	4.39E-09	4.21E-09	8.59E-09	3.27E-09	2.15E-09	5.42E-09
4526	563098	4235193	3.36E-08	3.00E-08	6.36E-08	5.70E-09	4.81E-09	1.05E-08	2.71E-08	2.20E-08	4.91E-08	4.45E-09	4.27E-09	8.71E-09	3.32E-09	2.18E-09	5.50E-09
4527	563106.4	4235197	3.40E-08	3.03E-08	6.43E-08	5.77E-09	4.86E-09	1.06E-08	2.75E-08	2.23E-08	4.97E-08	4.50E-09	4.31E-09	8.81E-09	3.36E-09	2.20E-09	5.56E-09
4528	563114.9	4235202	3.42E-08	3.05E-08	6.48E-08	5.81E-09	4.89E-09	1.07E-08	2.76E-08	2.24E-08	5.00E-08	4.53E-09	4.34E-09	8.87E-09	3.38E-09	2.22E-09	5.60E-09
4529	562921.2	4235117	1.50E-08	1.34E-08	2.84E-08	2.54E-09	2.14E-09	4.69E-09	1.21E-08	9.81E-09	2.19E-08	1.98E-09	1.90E-09	3.88E-09	1.48E-09	9.71E-10	2.45E-09
4530	562914.4	4235111	1.45E-08	1.29E-08	2.74E-08	2.46E-09	2.07E-09	4.53E-09	1.17E-08	9.48E-09	2.12E-08	1.92E-09	1.84E-09	3.75E-09	1.43E-09	9.39E-10	2.37E-09
4531	562907.6	4235104	1.40E-08	1.25E-08	2.65E-08	2.37E-09	2.00E-09	4.38E-09	1.13E-08	9.16E-09	2.05E-08	1.85E-09	1.78E-09	3.63E-09	1.38E-09	9.07E-10	2.29E-09
4532	562900.9	4235097	1.35E-08	1.21E-08	2.56E-08	2.29E-09	1.93E-09	4.23E-09	1.09E-08	8.85E-09	1.98E-08	1.79E-09	1.72E-09	3.50E-09	1.34E-09	8.77E-10	2.21E-09
4533	562894.1	4235090	1.31E-08	1.17E-08	2.47E-08	2.22E-09	1.87E-09	4.09E-09	1.06E-08	8.55E-09	1.91E-08	1.73E-09	1.66E-09	3.39E-09	1.29E-09	8.47E-10	2.14E-09
4534	562887.4	4235084	1.26E-08	1.13E-08	2.39E-08	2.14E-09	1.81E-09	3.95E-09	1.02E-08	8.27E-09	1.85E-08	1.67E-09	1.60E-09	3.28E-09	1.25E-09	8.19E-10	2.07E-09
4535	562880.6	4235077	1.22E-08	1.09E-08	2.31E-08	2.08E-09	1.75E-09	3.82E-09	9.87E-09	8.00E-09	1.79E-08	1.62E-09	1.55E-09	3.17E-09	1.21E-09	7.93E-10	2.00E-09
4536	562873.8	4235070	1.18E-08	1.06E-08	2.24E-08	2.01E-09	1.69E-09	3.70E-09	9.56E-09	7.75E-09	1.73E-08	1.57E-09	1.50E-09	3.07E-09	1.17E-09	7.67E-10	1.94E-09
4537	562867.1	4235063	1.15E-08	1.02E-08	2.17E-08	1.95E-09	1.64E-09	3.59E-09	9.27E-09	7.51E-09	1.68E-08	1.52E-09	1.46E-09	2.97E-09	1.13E-09	7.44E-10	1.88E-09
4538	562860.3	4235057	1.11E-08	9.93E-09	2.11E-08	1.89E-09	1.59E-09	3.48E-09	8.99E-09	7.29E-09	1.63E-08	1.47E-09	1.41E-09	2.89E-09	1.10E-09	7.22E-10	1.82E-09
4539	562853.5	4235050	1.08E-08	9.65E-09	2.05E-08	1.84E-09	1.55E-09	3.38E-09	8.74E-09	7.08E-09	1.58E-08	1.43E-09	1.37E-09	2.80E-09	1.07E-09	7.01E-10	1.77E-09
4540	562846.8	4235043	1.05E-08	9.39E-09	1.99E-08	1.79E-09	1.51E-09	3.29E-09	8.50E-09	6.89E-09	1.54E-08	1.39E-09	1.34E-09	2.73E-09	1.04E-09	6.82E-10	1.72E-09
4541	562840	4235036	1.03E-08	9.15E-09	1.94E-08	1.74E-09	1.47E-09	3.21E-09	8.28E-09	6.71E-09	1.50E-08	1.36E-09	1.30E-09	2.66E-09	1.01E-09	6.65E-10	1.68E-09
4542	562833.3	4235030	1.00E-08	8.94E-09	1.90E-08	1.70E-09	1.43E-09	3.13E-09	8.09E-09	6.55E-09	1.46E-08	1.32E-09	1.27E-09	2.60E-09	9.89E-10	6.49E-10	1.64E-09
4543	562826.5	4235023	9.80E-09	8.74E-09	1.85E-08	1.66E-09	1.40E-09	3.06E-09	7.91E-09	6.41E-09	1.43E-08	1.30E-09	1.24E-09	2.54E-09	9.68E-10	6.35E-10	1.60E-09
4544	562819.7	4235016	9.60E-09	8.57E-09	1.82E-08	1.63E-09	1.37E-09	3.00E-09	7.75E-09	6.28E-09	1.40E-08	1.27E-09	1.22E-09	2.49E-09	9.48E-10	6.22E-10	1.57E-09
4545	562813	4235009	9.43E-09	8.42E-09	1.79E-08	1.60E-09	1.35E-09	2.95E-09	7.62E-09	6.17E-09	1.38E-08	1.25E-09	1.20E-09	2.44E-09	9.32E-10	6.11E-10	1.54E-09
4546	562804.3	4234993	9.38E-09	8.37E-09	1.77E-08	1.59E-09	1.34E-09	2.93E-09	7.57E-09	6.14E-09	1.37E-08	1.24E-09	1.19E-09	2.43E-09	9.26E-10	6.08E-10	1.53E-09

4547	562802.3	4234984	9.46E-09	8.44E-09	1.79E-08	1.61E-09	1.35E-09	2.96E-09	7.64E-09	6.19E-09	1.38E-08	1.25E-09	1.20E-09	2.45E-09	9.34E-10	6.13E-10	1.55E-09
4548	562800.4	4234974	9.57E-09	8.53E-09	1.81E-08	1.62E-09	1.37E-09	2.99E-09	7.72E-09	6.26E-09	1.40E-08	1.27E-09	1.21E-09	2.48E-09	9.45E-10	6.20E-10	1.56E-09
4549	562798.4	4234965	9.71E-09	8.66E-09	1.84E-08	1.65E-09	1.39E-09	3.04E-09	7.84E-09	6.35E-09	1.42E-08	1.28E-09	1.23E-09	2.52E-09	9.59E-10	6.29E-10	1.59E-09
4550	562796.5	4234956	9.95E-09	8.88E-09	1.88E-08	1.69E-09	1.42E-09	3.11E-09	8.04E-09	6.51E-09	1.45E-08	1.32E-09	1.26E-09	2.58E-09	9.83E-10	6.45E-10	1.63E-09
4551	562794.5	4234946	1.03E-08	9.14E-09	1.94E-08	1.74E-09	1.47E-09	3.21E-09	8.28E-09	6.71E-09	1.50E-08	1.36E-09	1.30E-09	2.66E-09	1.01E-09	6.64E-10	1.68E-09
4552	562792.6	4234937	1.06E-08	9.47E-09	2.01E-08	1.80E-09	1.52E-09	3.32E-09	8.57E-09	6.94E-09	1.55E-08	1.40E-09	1.35E-09	2.75E-09	1.05E-09	6.88E-10	1.74E-09
4553	562790.7	4234928	1.10E-08	9.85E-09	2.09E-08	1.87E-09	1.58E-09	3.45E-09	8.92E-09	7.23E-09	1.61E-08	1.46E-09	1.40E-09	2.86E-09	1.09E-09	7.16E-10	1.81E-09
4554	562788.7	4234918	1.15E-08	1.03E-08	2.18E-08	1.96E-09	1.65E-09	3.61E-09	9.32E-09	7.56E-09	1.69E-08	1.53E-09	1.47E-09	2.99E-09	1.14E-09	7.48E-10	1.89E-09
4555	562786.8	4234909	1.21E-08	1.08E-08	2.29E-08	2.06E-09	1.73E-09	3.79E-09	9.79E-09	7.93E-09	1.77E-08	1.60E-09	1.54E-09	3.14E-09	1.20E-09	7.86E-10	1.98E-09
4556	562784.8	4234900	1.28E-08	1.14E-08	2.43E-08	2.18E-09	1.84E-09	4.01E-09	1.04E-08	8.40E-09	1.88E-08	1.70E-09	1.63E-09	3.33E-09	1.27E-09	8.32E-10	2.10E-09
4557	562782.9	4234890	1.36E-08	1.22E-08	2.58E-08	2.31E-09	1.95E-09	4.27E-09	1.10E-08	8.93E-09	1.99E-08	1.80E-09	1.73E-09	3.53E-09	1.35E-09	8.84E-10	2.23E-09
4558	562781	4234881	1.45E-08	1.30E-08	2.75E-08	2.47E-09	2.08E-09	4.55E-09	1.17E-08	9.51E-09	2.13E-08	1.92E-09	1.84E-09	3.77E-09	1.44E-09	9.42E-10	2.38E-09
4559	562779	4234872	1.55E-08	1.38E-08	2.93E-08	2.63E-09	2.21E-09	4.84E-09	1.25E-08	1.01E-08	2.26E-08	2.05E-09	1.96E-09	4.01E-09	1.53E-09	1.00E-09	2.53E-09
4560	562777.1	4234862	1.65E-08	1.47E-08	3.12E-08	2.80E-09	2.36E-09	5.15E-09	1.33E-08	1.08E-08	2.41E-08	2.18E-09	2.09E-09	4.27E-09	1.63E-09	1.07E-09	2.70E-09
4561	562775.1	4234853	1.76E-08	1.57E-08	3.32E-08	2.98E-09	2.51E-09	5.49E-09	1.42E-08	1.15E-08	2.57E-08	2.32E-09	2.23E-09	4.55E-09	1.73E-09	1.14E-09	2.87E-09
4562	562773.2	4234843	1.87E-08	1.67E-08	3.54E-08	3.18E-09	2.68E-09	5.85E-09	1.51E-08	1.22E-08	2.74E-08	2.48E-09	2.38E-09	4.85E-09	1.85E-09	1.21E-09	3.06E-09
4563	562927.9	4235124	1.55E-08	1.38E-08	2.93E-08	2.63E-09	2.22E-09	4.85E-09	1.25E-08	1.01E-08	2.27E-08	2.05E-09	1.97E-09	4.02E-09	1.53E-09	1.00E-09	2.53E-09
4564	562936.4	4235129	1.62E-08	1.45E-08	3.07E-08	2.75E-09	2.32E-09	5.07E-09	1.31E-08	1.06E-08	2.37E-08	2.15E-09	2.06E-09	4.20E-09	1.60E-09	1.05E-09	2.65E-09
4565	562944.8	4235133	1.70E-08	1.51E-08	3.21E-08	2.88E-09	2.43E-09	5.31E-09	1.37E-08	1.11E-08	2.48E-08	2.24E-09	2.15E-09	4.40E-09	1.68E-09	1.10E-09	2.78E-09
4566	562953.3	4235138	1.78E-08	1.58E-08	3.36E-08	3.01E-09	2.54E-09	5.55E-09	1.43E-08	1.16E-08	2.60E-08	2.35E-09	2.25E-09	4.60E-09	1.75E-09	1.15E-09	2.91E-09
4567	562961.7	4235142	1.86E-08	1.66E-08	3.52E-08	3.15E-09	2.66E-09	5.81E-09	1.50E-08	1.22E-08	2.72E-08	2.46E-09	2.36E-09	4.81E-09	1.84E-09	1.20E-09	3.04E-09
4568	562970.2	4235147	1.94E-08	1.73E-08	3.68E-08	3.30E-09	2.78E-09	6.07E-09	1.57E-08	1.27E-08	2.84E-08	2.57E-09	2.47E-09	5.03E-09	1.92E-09	1.26E-09	3.18E-09
4569	562978.6	4235151	2.03E-08	1.81E-08	3.84E-08	3.44E-09	2.90E-09	6.35E-09	1.64E-08	1.33E-08	2.97E-08	2.68E-09	2.58E-09	5.26E-09	2.00E-09	1.32E-09	3.32E-09
4570	562987.1	4235156	2.12E-08	1.89E-08	4.01E-08	3.60E-09	3.03E-09	6.63E-09	1.71E-08	1.39E-08	3.10E-08	2.80E-09	2.69E-09	5.49E-09	2.09E-09	1.37E-09	3.47E-09
4571	562995.5	4235160	2.21E-08	1.97E-08	4.18E-08	3.75E-09	3.16E-09	6.91E-09	1.79E-08	1.45E-08	3.23E-08	2.92E-09	2.81E-09	5.73E-09	2.18E-09	1.43E-09	3.62E-09
4572	563004	4235165	2.30E-08	2.05E-08	4.36E-08	3.91E-09	3.29E-09	7.20E-09	1.86E-08	1.51E-08	3.37E-08	3.05E-09	2.92E-09	5.97E-09	2.27E-09	1.49E-09	3.77E-09
4573	563012.4	4235170	2.40E-08	2.14E-08	4.53E-08	4.07E-09	3.43E-09	7.49E-09	1.93E-08	1.57E-08	3.50E-08	3.17E-09	3.04E-09	6.21E-09	2.37E-09	1.55E-09	3.92E-09
4574	563020.9	4235174	2.49E-08	2.22E-08	4.71E-08	4.22E-09	3.56E-09	7.78E-09	2.01E-08	1.63E-08	3.64E-08	3.29E-09	3.16E-09	6.45E-09	2.46E-09	1.61E-09	4.07E-09
4575	563029.4	4235179	2.58E-08	2.30E-08	4.88E-08	4.38E-09	3.69E-09	8.06E-09	2.08E-08	1.69E-08	3.77E-08	3.41E-09	3.27E-09	6.68E-09	2.55E-09	1.67E-09	4.22E-09
4576	563037.8	4235183	2.67E-08	2.38E-08	5.04E-08	4.52E-09	3.81E-09	8.33E-09	2.15E-08	1.74E-08	3.90E-08	3.52E-09	3.38E-09	6.91E-09	2.63E-09	1.73E-09	4.36E-09
4577	563046.3	4235188	2.75E-08	2.45E-08	5.20E-08	4.66E-09	3.93E-09	8.59E-09	2.22E-08	1.80E-08	4.02E-08	3.63E-09	3.49E-09	7.12E-09	2.71E-09	1.78E-09	4.49E-09
4578	563054.7	4235192	2.82E-08	2.52E-08	5.34E-08	4.79E-09	4.04E-09	8.83E-09	2.28E-08	1.85E-08	4.13E-08	3.74E-09	3.58E-09	7.32E-09	2.79E-09	1.83E-09	4.62E-09
4579	563063.2	4235197	2.89E-08	2.58E-08	5.48E-08	4.91E-09	4.14E-09	9.05E-09	2.34E-08	1.89E-08	4.23E-08	3.83E-09	3.67E-09	7.50E-09	2.86E-09	1.88E-09	4.73E-09
4580	563071.6	4235201	2.95E-08	2.64E-08	5.59E-08	5.01E-09	4.23E-09	9.24E-09	2.39E-08	1.93E-08	4.32E-08	3.91E-09	3.75E-09	7.66E-09	2.92E-09	1.91E-09	4.83E-09
4581	563080.1	4235206	3.01E-08	2.68E-08	5.69E-08	5.10E-09	4.30E-09	9.40E-09	2.43E-08	1.97E-08	4.39E-08	3.97E-09	3.81E-09	7.79E-09	2.97E-09	1.95E-09	4.92E-09
4582	563088.5	4235211	3.05E-08	2.72E-08	5.76E-08	5.17E-09	4.36E-09	9.52E-09	2.46E-08	1.99E-08	4.45E-08	4.03E-09	3.86E-09	7.89E-09	3.01E-09	1.97E-09	4.98E-09
4583	563097	4235215	3.08E-08	2.75E-08	5.83E-08	5.22E-09	4.40E-09	9.63E-09	2.49E-08	2.01E-08	4.50E-08	4.07E-09	3.91E-09	7.98E-09	3.04E-09	2.00E-09	5.04E-09
4584	563105.4	4235220	3.10E-08	2.77E-08	5.87E-08	5.27E-09	4.44E-09	9.70E-09	2.51E-08	2.03E-08	4.54E-08	4.10E-09	3.94E-09	8.04E-09	3.06E-09	2.01E-09	5.08E-09
4585	562902.4	4235153	1.31E-08	1.17E-08	2.48E-08	2.22E-09	1.87E-09	4.09E-09	1.06E-08	8.56E-09	1.91E-08	1.73E-09	1.66E-09	3.39E-09	1.29E-09	8.48E-10	2.14E-09
4586	562895.8	4235146	1.27E-08	1.13E-08	2.40E-08	2.15E-09	1.82E-09	3.97E-09	1.02E-08	8.31E-09	1.86E-08	1.68E-09	1.61E-09	3.29E-09	1.25E-09	8.23E-10	2.08E-09
4587	562889.3	4235140	1.23E-08	1.10E-08	2.33E-08	2.09E-09	1.76E-09	3.85E-09	9.94E-09	8.06E-09	1.80E-08	1.63E-09	1.56E-09	3.19E-09	1.22E-09	7.98E-10	2.01E-09
4588	562882.7	4235133	1.19E-08	1.07E-08	2.26E-08	2.03E-09	1.71E-09	3.73E-09	9.64E-09	7.81E-09	1.75E-08	1.58E-09	1.51E-09	3.09E-09	1.18E-09	7.74E-10	1.95E-09
4589	562876.1	4235126	1.16E-08	1.03E-08	2.19E-08	1.96E-09	1.66E-09	3.62E-09	9.35E-09	7.58E-09	1.69E-08	1.53E-09	1.47E-09	3.00E-09	1.14E-09	7.50E-10	1.89E-09
4590	562869.6	4235120	1.12E-08	1.00E-08	2.12E-08	1.90E-09	1.61E-09	3.51E-09	9.07E-09	7.35E-09	1.64E-08	1.48E-09	1.42E-09	2.91E-09	1.11E-09	7.28E-10	1.84E-09
4591	562863	4235113	1.09E-08	9.72E-09	2.06E-08	1.85E-09	1.56E-09	3.41E-09	8.79E-09	7.13E-09	1.59E-08	1.44E-09	1.38E-09	2.82E-09	1.08E-09	7.06E-10	1.78E-09
4592	562856.4	4235107	1.06E-08	9.43E-09	2.00E-08	1.79E-09	1.51E-09	3.31E-09	8.54E-09	6.92E-09	1.55E-08	1.40E-09	1.34E-09	2.74E-09	1.04E-09	6.85E-10	1.73E-09
4593	562849.8	4235100	1.03E-08	9.16E-09	1.94E-08	1.74E-09	1.47E-09	3.21E-09	8.29E-09	6.72E-09	1.50E-08	1.36E-09	1.30E-09	2.66E-09	1.01E-09	6.66E-10	1.68E-09
4594	562843.3	4235094	9.98E-09	8.90E-09	1.89E-08	1.69E-09	1.43E-09	3.12E-09	8.06E-09	6.53E-09	1.46E-08	1.32E-09	1.27E-09	2.59E-09	9.86E-10	6.47E-10	1.63E-09
4595	562836.7	4235087	9.71E-09	8.66E-09	1.84E-08	1.65E-09	1.39E-09	3.04E-09	7.84E-09	6.35E-09	1.42E-08	1.28E-09	1.23E-09	2.52E-09	9.59E-10	6.29E-10	1.59E-09
4596	562830.1	4235081	9.46E-09	8.44E-09	1.79E-08	1.60E-09	1.35E-09	2.96E-09	7.64E-09	6.19E-09	1.38E-08	1.25E-09	1.20E-09	2.45E-09	9.34E-10	6.13E-10	1.55E-09
4597	562823.6	4235074	9.22E-09	8.22E-09	1.74E-08	1.56E-09	1.32E-09	2.88E-09	7.44E-09	6.03E-09	1.35E-08	1.22E-09	1.17E-09	2.39E-09	9.10E-10	5.97E-10	1.51E-09
4598	562817	4235067	9.00E-09	8.03E-09	1.70E-08	1.53E-09	1.29E-09	2.81E-09	7.26E-09	5.89E-09	1.32E-08	1.19E-09	1.14E-09	2.33E-09	8.88E-10	5.83E-10	1.47E-09
4599	562810.4	4235061	8.79E-09	7.84E-09	1.66E-08	1.49E-09	1.26E-09	2.75E-09	7.10E-09	5.75E-09	1.29E-08	1.16E-09	1.12E-09	2.28E-09	8.68E-10	5.70E-10	1.44E-09
4600	562803.9	4235054	8.60E-09	7.67E-09	1.63E-08	1.46E-09	1.23E-09	2.69E-09	6.94E-09	5.63E-09	1.26E-08	1.14E-09	1.09E-09	2.23E-09	8.49E-10	5.57E-10	1.41E-09
4601	562797.3	4235048	8.42E-09	7.52E-09	1.59E-08	1.43E-09	1.20E-09	2.63E-09	6.80E-09	5.51E-09	1.23E-08	1.11E-09	1.07E-09	2.18E-09	8.32E-10	5.46E-10	1.38E-09
4602	562790.7	4235041	8.24E-09	7.35E-09	1.56E-08	1.40E-09	1.18E-09	2.58E-09	6.66E-09	5.39E-09	1.21E-08	1.09E-09	1.05E-09	2.14E-09	8.14E-10	5.34E-10	1.35E-09
4603	562784.1	4235035	8.05E-09	7.18E-09	1.52E-08	1.37E-09	1.15E-09	2.52E-09	6.50E-09	5.27E-09	1.18E-08	1.07E-09	1.02E-09	2.09E-09	7.95E-10	5.22E-10	1.32E-09
4604	562777.6	4235028	7.88E-09	7.03E-09	1.49E-08	1.34E-09	1.13E-09	2.46E-09	6.36E-09	5.16E-09	1.15E-08	1.04E-09	1.00E-09	2.04E-09	7.78E-10	5.11E-10	1.29E-09
4605	562769.1	4235012	7.78E-09	6.94E-09	1.47E-08	1.32E-09	1.11E-09	2.43E-09	6.28E-09	5.09E-09	1.14E-08	1.03E-09	9.88E-10	2.02E-09	7.69E-10	5.04E-10	1.27E-09
4606	562767.2	4235003	7.86E-09	7.01E-09	1.49E-08	1.33E-09	1.12E-09	2.46E-09	6.35E-09	5.14E-09	1.15E-08	1.04E-09	9.97E-10	2.04E-09	7.76E-10	5.09E-10	1.29E-09
4607	562765.3	4234994	7.95E-09	7.10E-09	1.51E-08	1.35E-09	1.14E-09	2.49E-09	6.42E-09	5.21E-09	1.16E-08	1.05E-09	1.01E-09	2.06E-09	7.86E-10	5.16E-10	1.30E-09
4608	562763.5	4234985	8.08E-09	7.21E-09	1.53E-08	1.37E-09	1.16E-09	2.53E-09	6.53E-09	5.29E-09	1.18E-08	1.07E-09	1.03E-09	2.09E-09	7.98E-10	5.24E-10	1.32E-09
4609	562761.6	4234976	8.25E-09	7.36E-09	1.56E-08	1.40E-09	1.18E-09	2.58E-09	6.66E-09	5.40E-09	1.21E-08	1.09E-09	1.05E-09	2.14E-09	8.15E-10	5.35E-10	1.35E-09
4610	562759.7	4234967	8.45E-09	7.54E-09	1.60E-08	1.43E-09	1.21E-09	2.64E-09	6.82E-09	5.53E-09	1.23E-08	1.12E-09	1.07E-09	2.19E-09	8.34E-10	5.47E-10	1.38E-09
4611	562757.8	4234958	8.68E-09	7.75E-09	1.64E-08	1.47E-09	1.24E-09	2.72E-09	7.01E-09	5.68E-09	1.27E-08	1.15E-09	1.10E-09	2.25E-09	8.58E-10	5.63E-10	1.42E-09
4612	562755.9	4234949	8.96E-09	7.99E-09	1.70E-08	1.52E-09	1.28E-09	2.80E-09	7.24E-09	5.86E-09	1.31E-08	1.18E-09	1.14E-09	2.32E-09	8.85E-10	5.81E-10	1.47E-09
4613	562754	4234940	9.28E-09	8.28E-09	1.76E-08	1.57E-09	1.33E-09	2.90E-09	7.49E-09	6.07E-09	1.36E-08	1.23E-09	1.18E-09	2.41E-09	9.17E-10	6.02E-10	1.52E-09
4614	562752.1	4234931	9.65E-09	8.61E-09	1.83E-08	1.64E-09	1.38E-09	3.02E-09	7.79E-09	6.31E-09	1.41E-08	1.28E-09	1.22E-09	2.50E-09	9.53E-10	6.25E-10	1.58E-09
4615	562750.3	4234922	1.01E-08	8.98E-09	1.91E-08	1.71E-09	1.44E-09	3.15E-09	8.13E-09	6.59E-09	1.47E-08	1.33E-09	1.28E-09	2.61E-09	9.94E-10	6.53E-10	1.65E-09
4616	562748.4	4234912	1.05E-08	9.41E-09	2.00E-08	1.79E-09	1.51E-09	3.30E-09	8.51E-09	6.90E-09	1.54E-08	1.39E-09	1.34E-09	2.73E-09	1.04E-09	6.83E-10	1.72E-09
4617	562746.5	4234903	1.11E-08	9.88E-09	2.10E-08	1.88E-09	1.58E-09	3.46E-09	8.94E-09	7.25E-09	1.62E-08	1.47E-09	1.41E-09	2.87E-09	1.09E-09	7.18E-10	1.81E-09
4618	562744.6	4234894	1.17E-08	1.04E-08	2.21E-08	1.98E-09	1.67E-09	3.65E-09	9.43E-09	7.64E-09	1.71E-08	1.54E-09	1.48E-09	3.03E-09	1.15E-09	7.57E-10	1.91E-09
4619	562742.7	4234885	1.23E-08	1.10E-08	2.34E-08	2.09E-09	1.76E-09	3.86E-09	9.96E-09	8.08E-09	1.80E-08	1.63E-09	1.57E-09	3.20E-09	1.22E-09	8.00E-10	2.02E-09
4620	562740.8	4234876	1.31E-08	1.17E-08	2.47E-08	2.22E-09	1.87E-09	4.09E-09	1.06E-08	8.56E-09	1.91E-08	1.73E-09	1.66E-09	3.39E-09	1.29E-09	8.47E-10	2.14E-09
4621	562738.9	4234867	1.39E-08	1.24E-08	2.63E-08	2.35E-09	1.98E-09	4.34E-09	1.12E-08	9.08E-09	2.03E-08	1.84E-09	1.76E-09	3.60E-09	1.37E-09	8.99E-10	2.27E-09
4622	562737.1	4234858	1.47E-08	1.32E-08	2.79E-08	2.50E-09	2.11E-09	4.61E-09	1.19E-08	9.65E-09	2.16E-08	1.95E-09	1.87E-09	3.82E-09	1.46E-09	9.56E-10	2.41E-09
4623	562735.2	4234849	1.57E-08	1.40E-08	2.97E-08	2.66E-09	2.24E-09	4.90E-09	1.27E-08	1.03E-08	2.29E-08	2.07E-09	1.99E-09	4.06E-09	1.55E-09	1.02E-09	2.56E-09
4624	562733.3	4234840	1.67E-08	1.49E-08	3.15E-08	2.83E-09	2.38E-09	5.21E-09	1.35E-08	1.09E-08	2.44E-08	2.20E-09	2.12E-09	4.32E-09	1.65E-09	1.08E-09	2.73E-09
4625	562909	4235159	1.35E-08	1.20E-08	2.55E-08	2.29E-09	1.93E-09	4.21E-09	1.09E-08	8.82E-09	1.97E-08	1.78E-09	1.71E-09	3.49E-09	1.33E-09	8.74E-10	2.20E-09
4626	562917.4	4235164	1.40E-08	1.25E-08	2.66E-08	2.38E-09	2.01E-09	4.39E-09	1.13E-08	9.19E-09	2.05E-08	1.86E-09	1.78E-09	3.64E-09	1.39E-09	9.10E-10	2.30E-09
4627	562925.9	4235168	1.46E-08	1.31E-08	2.77E-08	2.48E-09	2.09E-09	4.58E-09	1.18E-08	9.58E-09	2.14E-08	1.94E-09	1.86E-09	3.79E-09	1.45E-09	9.49E-10	2.39E-09
4628	562934.3	4235173	1.52E-08	1.36E-08	2.88E-08	2.59E-09	2.18E-09	4.77E-09	1.23E-08	9.98E-09	2.23E-08	2.02E-09	1.93E-09	3.95E-09	1.51E-09	9.88E-10	2.49E-09
4629	562942.8	4235177	1.59E-08	1.42E-08	3.00E-08	2.69E-09	2.27E-09	4.96E-09	1.28E-08	1.04E-08	2.32E-08	2.10E-09	2.01E-09	4.11E-09	1.57E-09	1.03E-09	2.60E-09
4630	562951.2	4235182	1.65E-08	1.47E-08	3.12E-08	2.80E-09	2.36E-09	5.16E-09	1.33E-08	1.08E-08	2.41E-08	2.18E-09	2.10E-09	4.28E-09	1.63E-09	1.07E-09	2.70E-09
4631	562959.7	4235187	1.72E-08	1.53E-08	3.25E-08	2.91E-09	2.46E-09	5.37E-09	1.39E-08	1.12E-08	2.51E-08	2.27E-09	2.18E-09	4.45E-09	1.70E-09	1.11E-09	2.81E-09
4632	562968.1	4235191	1.79E-08	1.59E-08	3.38E-08	3.03E-09	2.55E-09	5.58E-09	1.44E-08	1.17E-08	2.61E-08	2.36E-09	2.27E-09	4.63E-09	1.76E-09	1.16E-09	2.92E-09
4633	562976.6	4235196	1.85E-08	1.65E-08	3.51E-08	3.15E-09	2.65E-09	5.80E-09	1.50E-08	1.21E-08	2.71E-08	2.45E-09	2.35E-09	4.81E-09	1.83E-09	1.20E-09	3.03E-09
4634	562985	4235200	1.92E-08	1.72E-08	3.64E-08	3.27E-09	2.75E-09	6.02E-09	1.55E-08	1.26E-08	2.81E-08	2.54E-09	2.44E-09	4.99E-09	1.90E-09	1.25E-09	3.15E-09
4635	562993.5	4235205	2.00E-08	1.78E-08	3.78E-08	3.39E-09	2.85E-09	6.24E-09	1.61E-08	1.31E-08	2.92E-08	2.64E-09	2.53E-09	5.17E-09	1.97E-09	1.29E-09	3.26E-09
4636	563001.9	4235209	2.07E-08	1.84E-08	3.91E-08	3.51E-09	2.95E-09	6.46E-09	1.67E-08	1.35E-08	3.02E-08	2.73E-09	2.62E-09	5.35E-09	2.04E-09	1.34E-09	3.38E-09
4637	563010.4	4235214	2.14E-08	1.91E-08	4.04E-08	3.63E-09	3.06E-09	6.68E-09	1.73E-08	1.40E-08	3.12E-08	2.83E-09	2.71E-09	5.54E-09	2.11E-09	1.38E-09	3.49E-09

4638	563018.8	4235218	2.21E-08	1.97E-08	4.17E-08	3.74E-09	3.15E-09	6.90E-09	1.78E-08	1.44E-08	3.22E-08	2.92E-09	2.80E-09	5.72E-09	2.18E-09	1.43E-09	3.61E-09
4639	563027.3	4235223	2.27E-08	2.03E-08	4.30E-08	3.86E-09	3.25E-09	7.10E-09	1.83E-08	1.49E-08	3.32E-08	3.00E-09	2.88E-09	5.89E-09	2.24E-09	1.47E-09	3.72E-09
4640	563035.7	4235228	2.34E-08	2.08E-08	4.42E-08	3.96E-09	3.34E-09	7.30E-09	1.89E-08	1.53E-08	3.41E-08	3.09E-09	2.96E-09	6.05E-09	2.31E-09	1.51E-09	3.82E-09
4641	563044.2	4235232	2.40E-08	2.14E-08	4.53E-08	4.06E-09	3.43E-09	7.49E-09	1.93E-08	1.57E-08	3.50E-08	3.17E-09	3.04E-09	6.21E-09	2.37E-09	1.55E-09	3.92E-09
4642	563052.6	4235237	2.45E-08	2.19E-08	4.63E-08	4.16E-09	3.50E-09	7.66E-09	1.98E-08	1.60E-08	3.58E-08	3.24E-09	3.11E-09	6.35E-09	2.42E-09	1.59E-09	4.01E-09
4643	563061.1	4235241	2.50E-08	2.23E-08	4.73E-08	4.24E-09	3.57E-09	7.81E-09	2.02E-08	1.63E-08	3.65E-08	3.30E-09	3.17E-09	6.47E-09	2.47E-09	1.62E-09	4.09E-09
4644	563069.6	4235246	2.54E-08	2.27E-08	4.80E-08	4.31E-09	3.63E-09	7.94E-09	2.05E-08	1.66E-08	3.71E-08	3.36E-09	3.22E-09	6.58E-09	2.51E-09	1.65E-09	4.15E-09
4645	563078	4235250	2.57E-08	2.30E-08	4.87E-08	4.37E-09	3.68E-09	8.05E-09	2.08E-08	1.68E-08	3.76E-08	3.40E-09	3.27E-09	6.67E-09	2.54E-09	1.67E-09	4.21E-09
4646	563086.5	4235255	2.60E-08	2.32E-08	4.92E-08	4.41E-09	3.72E-09	8.13E-09	2.10E-08	1.70E-08	3.80E-08	3.44E-09	3.30E-09	6.74E-09	2.57E-09	1.68E-09	4.25E-09
4647	562883.3	4235188	1.15E-08	1.03E-08	2.18E-08	1.96E-09	1.65E-09	3.61E-09	9.32E-09	7.55E-09	1.69E-08	1.53E-09	1.46E-09	2.99E-09	1.14E-09	7.48E-10	1.89E-09
4648	562876.6	4235181	1.12E-08	1.00E-08	2.12E-08	1.90E-09	1.60E-09	3.51E-09	9.06E-09	7.34E-09	1.64E-08	1.48E-09	1.42E-09	2.91E-09	1.11E-09	7.27E-10	1.83E-09
4649	562869.9	4235174	1.09E-08	9.72E-09	2.06E-08	1.85E-09	1.56E-09	3.41E-09	8.80E-09	7.13E-09	1.59E-08	1.44E-09	1.38E-09	2.82E-09	1.08E-09	7.06E-10	1.78E-09
4650	562863.2	4235168	1.06E-08	9.44E-09	2.00E-08	1.80E-09	1.51E-09	3.31E-09	8.54E-09	6.92E-09	1.55E-08	1.40E-09	1.34E-09	2.74E-09	1.04E-09	6.86E-10	1.73E-09
4651	562856.5	4235161	1.03E-08	9.17E-09	1.94E-08	1.74E-09	1.47E-09	3.21E-09	8.30E-09	6.72E-09	1.50E-08	1.36E-09	1.30E-09	2.66E-09	1.01E-09	6.66E-10	1.68E-09
4652	562849.8	4235154	9.98E-09	8.90E-09	1.89E-08	1.69E-09	1.43E-09	3.12E-09	8.06E-09	6.53E-09	1.46E-08	1.32E-09	1.27E-09	2.59E-09	9.85E-10	6.47E-10	1.63E-09
4653	562843.1	4235148	9.69E-09	8.64E-09	1.83E-08	1.64E-09	1.39E-09	3.03E-09	7.82E-09	6.34E-09	1.42E-08	1.28E-09	1.23E-09	2.51E-09	9.57E-10	6.28E-10	1.59E-09
4654	562836.4	4235141	9.42E-09	8.40E-09	1.78E-08	1.60E-09	1.35E-09	2.94E-09	7.60E-09	6.16E-09	1.38E-08	1.25E-09	1.19E-09	2.44E-09	9.30E-10	6.10E-10	1.54E-09
4655	562829.7	4235134	9.15E-09	8.17E-09	1.73E-08	1.55E-09	1.31E-09	2.86E-09	7.39E-09	5.99E-09	1.34E-08	1.21E-09	1.16E-09	2.37E-09	9.04E-10	5.93E-10	1.50E-09
4656	562823	4235128	8.90E-09	7.94E-09	1.68E-08	1.51E-09	1.27E-09	2.78E-09	7.19E-09	5.83E-09	1.30E-08	1.18E-09	1.13E-09	2.31E-09	8.79E-10	5.77E-10	1.46E-09
4657	562816.3	4235121	8.66E-09	7.72E-09	1.64E-08	1.47E-09	1.24E-09	2.71E-09	6.99E-09	5.67E-09	1.27E-08	1.15E-09	1.10E-09	2.24E-09	8.55E-10	5.61E-10	1.42E-09
4658	562809.6	4235114	8.45E-09	7.54E-09	1.60E-08	1.43E-09	1.21E-09	2.64E-09	6.82E-09	5.53E-09	1.23E-08	1.12E-09	1.07E-09	2.19E-09	8.34E-10	5.47E-10	1.38E-09
4659	562802.9	4235107	8.24E-09	7.35E-09	1.56E-08	1.40E-09	1.18E-09	2.58E-09	6.65E-09	5.39E-09	1.20E-08	1.09E-09	1.05E-09	2.13E-09	8.14E-10	5.34E-10	1.35E-09
4660	562796.2	4235101	8.04E-09	7.17E-09	1.52E-08	1.36E-09	1.15E-09	2.51E-09	6.49E-09	5.26E-09	1.18E-08	1.06E-09	1.02E-09	2.08E-09	7.94E-10	5.21E-10	1.32E-09
4661	562789.5	4235094	7.83E-09	6.99E-09	1.48E-08	1.33E-09	1.12E-09	2.45E-09	6.32E-09	5.12E-09	1.14E-08	1.04E-09	9.94E-10	2.03E-09	7.73E-10	5.08E-10	1.28E-09
4662	562782.7	4235087	7.62E-09	6.79E-09	1.44E-08	1.29E-09	1.09E-09	2.38E-09	6.15E-09	4.98E-09	1.11E-08	1.01E-09	9.66E-10	1.97E-09	7.52E-10	4.94E-10	1.25E-09
4663	562776	4235081	7.41E-09	6.61E-09	1.40E-08	1.26E-09	1.06E-09	2.32E-09	5.99E-09	4.85E-09	1.08E-08	9.81E-10	9.41E-10	1.92E-09	7.32E-10	4.81E-10	1.21E-09
4664	562769.3	4235074	7.23E-09	6.45E-09	1.37E-08	1.23E-09	1.03E-09	2.26E-09	5.84E-09	4.73E-09	1.06E-08	9.56E-10	9.17E-10	1.87E-09	7.14E-10	4.68E-10	1.18E-09
4665	562762.6	4235067	7.06E-09	6.30E-09	1.34E-08	1.20E-09	1.01E-09	2.21E-09	5.70E-09	4.62E-09	1.03E-08	9.34E-10	8.96E-10	1.83E-09	6.97E-10	4.57E-10	1.15E-09
4666	562755.9	4235061	6.94E-09	6.19E-09	1.31E-08	1.18E-09	9.92E-10	2.17E-09	5.60E-09	4.54E-09	1.01E-08	9.17E-10	8.80E-10	1.80E-09	6.85E-10	4.50E-10	1.13E-09
4667	562749.2	4235054	6.82E-09	6.09E-09	1.29E-08	1.16E-09	9.76E-10	2.13E-09	5.51E-09	4.47E-09	9.97E-09	9.02E-10	8.66E-10	1.77E-09	6.74E-10	4.42E-10	1.12E-09
4668	562742.5	4235047	6.72E-09	6.00E-09	1.27E-08	1.14E-09	9.61E-10	2.10E-09	5.43E-09	4.40E-09	9.83E-09	8.89E-10	8.53E-10	1.74E-09	6.64E-10	4.36E-10	1.10E-09
4669	562733.9	4235031	6.68E-09	5.96E-09	1.26E-08	1.13E-09	9.55E-10	2.09E-09	5.39E-09	4.37E-09	9.76E-09	8.83E-10	8.47E-10	1.73E-09	6.59E-10	4.33E-10	1.09E-09
4670	562732	4235022	6.74E-09	6.01E-09	1.27E-08	1.14E-09	9.64E-10	2.11E-09	5.44E-09	4.41E-09	9.85E-09	8.91E-10	8.55E-10	1.75E-09	6.65E-10	4.37E-10	1.10E-09
4671	562730	4235013	6.82E-09	6.08E-09	1.29E-08	1.16E-09	9.75E-10	2.13E-09	5.50E-09	4.46E-09	9.96E-09	9.01E-10	8.65E-10	1.77E-09	6.73E-10	4.42E-10	1.11E-09
4672	562728.1	4235003	6.91E-09	6.17E-09	1.31E-08	1.17E-09	9.88E-10	2.16E-09	5.58E-09	4.52E-09	1.01E-08	9.14E-10	8.77E-10	1.79E-09	6.83E-10	4.48E-10	1.13E-09
4673	562726.2	4234994	7.03E-09	6.27E-09	1.33E-08	1.19E-09	1.01E-09	2.20E-09	5.68E-09	4.60E-09	1.03E-08	9.30E-10	8.92E-10	1.82E-09	6.94E-10	4.56E-10	1.15E-09
4674	562724.3	4234985	7.17E-09	6.40E-09	1.36E-08	1.22E-09	1.03E-09	2.24E-09	5.79E-09	4.69E-09	1.05E-08	9.49E-10	9.10E-10	1.86E-09	7.08E-10	4.65E-10	1.17E-09
4675	562722.3	4234976	7.34E-09	6.55E-09	1.39E-08	1.25E-09	1.05E-09	2.30E-09	5.93E-09	4.81E-09	1.07E-08	9.71E-10	9.32E-10	1.90E-09	7.25E-10	4.76E-10	1.20E-09
4676	562720.4	4234966	7.55E-09	6.73E-09	1.43E-08	1.28E-09	1.08E-09	2.36E-09	6.09E-09	4.94E-09	1.10E-08	9.98E-10	9.57E-10	1.96E-09	7.45E-10	4.89E-10	1.23E-09
4677	562718.5	4234957	7.78E-09	6.94E-09	1.47E-08	1.32E-09	1.11E-09	2.43E-09	6.28E-09	5.09E-09	1.14E-08	1.03E-09	9.87E-10	2.02E-09	7.68E-10	5.04E-10	1.27E-09
4678	562716.6	4234948	8.05E-09	7.18E-09	1.52E-08	1.37E-09	1.15E-09	2.52E-09	6.50E-09	5.27E-09	1.18E-08	1.06E-09	1.02E-09	2.09E-09	7.95E-10	5.22E-10	1.32E-09
4679	562714.6	4234939	8.36E-09	7.46E-09	1.58E-08	1.42E-09	1.20E-09	2.61E-09	6.75E-09	5.47E-09	1.22E-08	1.11E-09	1.06E-09	2.17E-09	8.26E-10	5.42E-10	1.37E-09
4680	562712.7	4234929	8.71E-09	7.77E-09	1.65E-08	1.48E-09	1.25E-09	2.72E-09	7.03E-09	5.70E-09	1.27E-08	1.15E-09	1.11E-09	2.26E-09	8.60E-10	5.65E-10	1.42E-09
4681	562710.8	4234920	9.11E-09	8.12E-09	1.72E-08	1.55E-09	1.30E-09	2.85E-09	7.35E-09	5.96E-09	1.33E-08	1.20E-09	1.16E-09	2.36E-09	8.99E-10	5.90E-10	1.49E-09
4682	562708.9	4234911	9.55E-09	8.52E-09	1.81E-08	1.62E-09	1.37E-09	2.99E-09	7.71E-09	6.25E-09	1.40E-08	1.26E-09	1.21E-09	2.48E-09	9.43E-10	6.19E-10	1.56E-09
4683	562706.9	4234901	1.00E-08	8.96E-09	1.90E-08	1.70E-09	1.44E-09	3.14E-09	8.11E-09	6.58E-09	1.47E-08	1.33E-09	1.27E-09	2.60E-09	9.92E-10	6.51E-10	1.64E-09
4684	562705	4234892	1.06E-08	9.45E-09	2.01E-08	1.80E-09	1.52E-09	3.31E-09	8.56E-09	6.94E-09	1.55E-08	1.40E-09	1.34E-09	2.75E-09	1.05E-09	6.87E-10	1.73E-09
4685	562703.1	4234883	1.12E-08	1.00E-08	2.12E-08	1.90E-09	1.60E-09	3.50E-09	9.05E-09	7.33E-09	1.64E-08	1.48E-09	1.42E-09	2.90E-09	1.11E-09	7.26E-10	1.83E-09
4686	562701.2	4234874	1.19E-08	1.06E-08	2.25E-08	2.01E-09	1.70E-09	3.71E-09	9.59E-09	7.77E-09	1.74E-08	1.57E-09	1.51E-09	3.08E-09	1.17E-09	7.69E-10	1.94E-09
4687	562699.2	4234864	1.26E-08	1.12E-08	2.38E-08	2.14E-09	1.80E-09	3.94E-09	1.02E-08	8.24E-09	1.84E-08	1.67E-09	1.60E-09	3.26E-09	1.24E-09	8.16E-10	2.06E-09
4688	562697.3	4234855	1.34E-08	1.19E-08	2.53E-08	2.27E-09	1.91E-09	4.18E-09	1.08E-08	8.76E-09	1.96E-08	1.77E-09	1.70E-09	3.47E-09	1.32E-09	8.67E-10	2.19E-09
4689	562695.4	4234846	1.42E-08	1.27E-08	2.69E-08	2.41E-09	2.03E-09	4.44E-09	1.15E-08	9.30E-09	2.08E-08	1.88E-09	1.80E-09	3.68E-09	1.40E-09	9.21E-10	2.32E-09
4690	562693.5	4234836	1.51E-08	1.35E-08	2.86E-08	2.56E-09	2.16E-09	4.72E-09	1.22E-08	9.88E-09	2.21E-08	2.00E-09	1.92E-09	3.91E-09	1.49E-09	9.78E-10	2.47E-09
4691	562890	4235195	1.19E-08	1.06E-08	2.25E-08	2.01E-09	1.70E-09	3.71E-09	9.58E-09	7.76E-09	1.73E-08	1.57E-09	1.51E-09	3.07E-09	1.17E-09	7.69E-10	1.94E-09
4692	562898.5	4235199	1.23E-08	1.10E-08	2.33E-08	2.09E-09	1.76E-09	3.85E-09	9.95E-09	8.06E-09	1.80E-08	1.63E-09	1.56E-09	3.19E-09	1.22E-09	7.99E-10	2.02E-09
4693	562906.9	4235204	1.28E-08	1.14E-08	2.42E-08	2.17E-09	1.83E-09	4.00E-09	1.03E-08	8.37E-09	1.87E-08	1.69E-09	1.62E-09	3.31E-09	1.26E-09	8.29E-10	2.09E-09
4694	562915.4	4235208	1.33E-08	1.18E-08	2.51E-08	2.25E-09	1.90E-09	4.15E-09	1.07E-08	8.68E-09	1.94E-08	1.75E-09	1.68E-09	3.44E-09	1.31E-09	8.60E-10	2.17E-09
4695	562923.8	4235213	1.38E-08	1.23E-08	2.60E-08	2.33E-09	1.97E-09	4.30E-09	1.11E-08	9.00E-09	2.01E-08	1.82E-09	1.75E-09	3.57E-09	1.36E-09	8.92E-10	2.25E-09
4696	562932.3	4235217	1.43E-08	1.27E-08	2.70E-08	2.42E-09	2.04E-09	4.46E-09	1.15E-08	9.33E-09	2.08E-08	1.89E-09	1.81E-09	3.70E-09	1.41E-09	9.24E-10	2.33E-09
4697	562940.7	4235222	1.48E-08	1.32E-08	2.80E-08	2.51E-09	2.11E-09	4.62E-09	1.19E-08	9.67E-09	2.16E-08	1.95E-09	1.87E-09	3.83E-09	1.46E-09	9.58E-10	2.42E-09
4698	562949.2	4235226	1.53E-08	1.36E-08	2.89E-08	2.60E-09	2.19E-09	4.78E-09	1.24E-08	1.00E-08	2.24E-08	2.02E-09	1.94E-09	3.96E-09	1.51E-09	9.91E-10	2.50E-09
4699	562957.6	4235231	1.58E-08	1.41E-08	3.00E-08	2.69E-09	2.26E-09	4.95E-09	1.28E-08	1.04E-08	2.31E-08	2.09E-09	2.01E-09	4.10E-09	1.56E-09	1.03E-09	2.59E-09
4700	562966.1	4235235	1.64E-08	1.46E-08	3.10E-08	2.78E-09	2.34E-09	5.12E-09	1.32E-08	1.07E-08	2.39E-08	2.17E-09	2.08E-09	4.24E-09	1.62E-09	1.06E-09	2.68E-09
4701	562974.5	4235240	1.69E-08	1.51E-08	3.20E-08	2.87E-09	2.42E-09	5.29E-09	1.37E-08	1.11E-08	2.47E-08	2.24E-09	2.15E-09	4.39E-09	1.67E-09	1.10E-09	2.77E-09
4702	562983	4235245	1.75E-08	1.56E-08	3.31E-08	2.97E-09	2.50E-09	5.46E-09	1.41E-08	1.14E-08	2.55E-08	2.31E-09	2.22E-09	4.53E-09	1.73E-09	1.13E-09	2.86E-09
4703	562991.4	4235249	1.80E-08	1.61E-08	3.41E-08	3.06E-09	2.58E-09	5.64E-09	1.46E-08	1.18E-08	2.64E-08	2.38E-09	2.29E-09	4.67E-09	1.78E-09	1.17E-09	2.95E-09
4704	562999.9	4235254	1.86E-08	1.66E-08	3.52E-08	3.15E-09	2.66E-09	5.81E-09	1.50E-08	1.22E-08	2.72E-08	2.46E-09	2.36E-09	4.81E-09	1.84E-09	1.20E-09	3.04E-09
4705	563008.3	4235258	1.91E-08	1.71E-08	3.62E-08	3.24E-09	2.73E-09	5.98E-09	1.54E-08	1.25E-08	2.80E-08	2.53E-09	2.43E-09	4.95E-09	1.89E-09	1.24E-09	3.13E-09
4706	563016.8	4235263	1.96E-08	1.75E-08	3.72E-08	3.33E-09	2.81E-09	6.14E-09	1.59E-08	1.29E-08	2.87E-08	2.60E-09	2.49E-09	5.09E-09	1.94E-09	1.27E-09	3.21E-09
4707	563025.2	4235267	2.01E-08	1.80E-08	3.81E-08	3.42E-09	2.88E-09	6.30E-09	1.63E-08	1.32E-08	2.95E-08	2.66E-09	2.56E-09	5.22E-09	1.99E-09	1.31E-09	3.30E-09
4708	563033.7	4235272	2.06E-08	1.84E-08	3.90E-08	3.50E-09	2.95E-09	6.45E-09	1.67E-08	1.35E-08	3.01E-08	2.73E-09	2.62E-09	5.34E-09	2.04E-09	1.34E-09	3.37E-09
4709	563042.1	4235276	2.11E-08	1.88E-08	3.98E-08	3.57E-09	3.01E-09	6.58E-09	1.70E-08	1.38E-08	3.08E-08	2.78E-09	2.67E-09	5.46E-09	2.08E-09	1.36E-09	3.44E-09
4710	563050.6	4235281	2.15E-08	1.91E-08	4.06E-08	3.64E-09	3.07E-09	6.71E-09	1.73E-08	1.40E-08	3.14E-08	2.84E-09	2.72E-09	5.56E-09	2.12E-09	1.39E-09	3.51E-09
4711	563059	4235286	2.18E-08	1.94E-08	4.12E-08	3.70E-09	3.12E-09	6.81E-09	1.76E-08	1.43E-08	3.19E-08	2.88E-09	2.77E-09	5.65E-09	2.15E-09	1.41E-09	3.56E-09
4712	563067.5	4235290	2.21E-08	1.97E-08	4.18E-08	3.75E-09	3.16E-09	6.90E-09	1.78E-08	1.44E-08	3.23E-08	2.92E-09	2.80E-09	5.72E-09	2.18E-09	1.43E-09	3.61E-09
4713	562864.5	4235223	1.03E-08	9.18E-09	1.95E-08	1.75E-09	1.47E-09	3.22E-09	8.31E-09	6.73E-09	1.50E-08	1.36E-09	1.31E-09	2.67E-09	1.02E-09	6.67E-10	1.68E-09
4714	562857.9	4235217	1.00E-08	8.94E-09	1.90E-08	1.70E-09	1.43E-09	3.14E-09	8.10E-09	6.56E-09	1.47E-08	1.33E-09	1.27E-09	2.60E-09	9.90E-10	6.50E-10	1.64E-09
4715	562851.4	4235210	9.75E-09	8.69E-09	1.84E-08	1.65E-09	1.39E-09	3.05E-09	7.87E-09	6.38E-09	1.42E-08	1.29E-09	1.24E-09	2.53E-09	9.62E-10	6.32E-10	1.59E-09
4716	562844.8	4235204	9.44E-09	8.42E-09	1.79E-08	1.60E-09	1.35E-09	2.95E-09	7.62E-09	6.18E-09	1.38E-08	1.25E-09	1.20E-09	2.45E-09	9.32E-10	6.12E-10	1.54E-09
4717	562838.3	4235197	9.17E-09	8.18E-09	1.73E-08	1.56E-09	1.31E-09	2.87E-09	7.40E-09	6.00E-09	1.34E-08	1.21E-09	1.16E-09	2.38E-09	9.05E-10	5.94E-10	1.50E-09
4718	562831.7	4235190	8.92E-09	7.96E-09	1.69E-08	1.51E-09	1.28E-09	2.79E-09	7.21E-09	5.84E-09	1.30E-08	1.18E-09	1.13E-09	2.31E-09	8.81E-10	5.78E-10	1.46E-09
4719	562825.2	4235184	8.71E-09	7.77E-09	1.65E-08	1.48E-09	1.25E-09	2.72E-09	7.03E-09	5.70E-09	1.27E-08	1.15E-09	1.11E-09	2.26E-09	8.60E-10	5.65E-10	1.42E-09
4720	562818.6	4235177	8.49E-09	7.57E-09	1.61E-08	1.44E-09	1.21E-09	2.65E-09	6.85E-09	5.56E-09	1.24E-08	1.12E-09	1.08E-09	2.20E-09	8.38E-10	5.50E-10	1.39E-09
4721	562812.1	4235171	8.23E-09	7.34E-09	1.56E-08	1.40E-09	1.18E-09	2.57E-09	6.64E-09	5.38E-09	1.20E-08	1.09E-09	1.04E-09	2.13E-09	8.12E-10	5.33E-10	1.35E-09
4722	562805.5	4235164	7.97E-09	7.11E-09	1.51E-08	1.35E-09	1.14E-09	2.49E-09	6.44E-09	5.22E-09	1.17E-08	1.05E-09	1.01E-09	2.07E-09	7.87E-10	5.17E-10	1.30E-09
4723	562798.9	4235158	7.73E-09	6.90E-09	1.46E-08	1.31E-09	1.11E-09	2.42E-09	6.24E-09	5.06E-09	1.13E-08	1.02E-09	9.81E-10	2.00E-09	7.63E-10	5.01E-10	1.26E-09
4724	562792.4	4235151	7.51E-09	6.70E-09	1.42E-08	1.27E-09	1.07E-09	2.35E-09	6.06E-09	4.91E-09	1.10E-08	9.93E-10	9.53E-10	1.95E-09	7.42E-10	4.87E-10	1.23E-09
4725	562785.8	4235145	7.34E-09	6.55E-09	1.39E-08	1.25E-09	1.05E-09	2.30E-09	5.93E-09	4.80E-09	1.07E-08	9.71E-10	9.31E-10	1.90E-09	7.25E-10	4.76E-10	1.20E-09
4726	562779.3	4235138	7.19E-09	6.42E-09	1.36E-08	1.22E-09	1.03E-09	2.25E-09	5.81E-09	4.71E-09	1.05E-08	9.51E-10	9.13E-10	1.86E-09	7.10E-10	4.66E-10	1.18E-09
4727	562772.7	4235132	7.04E-09	6.28E-09	1.33E-08	1.19E-09	1.01E-09	2.20E-09	5.68E-09	4.60E-09	1.03E-08	9.31E-10	8.93E-10	1.82E-09	6.95E-10	4.56E-10	1.15E-09
4728	562766.2	4235125	6.87E-09	6.13E-09	1.30E-08	1.17E-09	9.83E-10	2.15E-09	5.55E-09	4.50E-09	1.00E-08	9.09E-10	8.72E-10	1.78E-09	6.79E-10	4.45E-10	1.12E-09

4729	562759.6	4235118	6.72E-09	6.00E-09	1.27E-08	1.14E-09	9.62E-10	2.10E-09	5.43E-09	4.40E-09	9.83E-09	8.89E-10	8.53E-10	1.74E-09	6.64E-10	4.36E-10	1.10E-09
4730	562753.1	4235112	6.59E-09	5.88E-09	1.25E-08	1.12E-09	9.43E-10	2.06E-09	5.32E-09	4.31E-09	9.64E-09	8.72E-10	8.37E-10	1.71E-09	6.51E-10	4.27E-10	1.08E-09
4731	562746.5	4235105	6.47E-09	5.77E-09	1.22E-08	1.10E-09	9.25E-10	2.02E-09	5.22E-09	4.23E-09	9.46E-09	8.56E-10	8.21E-10	1.68E-09	6.39E-10	4.19E-10	1.06E-09
4732	562740	4235099	6.35E-09	5.67E-09	1.20E-08	1.08E-09	9.09E-10	1.99E-09	5.13E-09	4.16E-09	9.29E-09	8.40E-10	8.06E-10	1.65E-09	6.28E-10	4.12E-10	1.04E-09
4733	562733.4	4235092	6.25E-09	5.57E-09	1.18E-08	1.06E-09	8.93E-10	1.95E-09	5.04E-09	4.09E-09	9.13E-09	8.26E-10	7.93E-10	1.62E-09	6.17E-10	4.05E-10	1.02E-09
4734	562726.8	4235086	6.14E-09	5.48E-09	1.16E-08	1.04E-09	8.79E-10	1.92E-09	4.96E-09	4.02E-09	8.98E-09	8.12E-10	7.80E-10	1.59E-09	6.07E-10	3.98E-10	1.00E-09
4735	562720.3	4235079	6.05E-09	5.40E-09	1.14E-08	1.03E-09	8.65E-10	1.89E-09	4.88E-09	3.96E-09	8.84E-09	8.00E-10	7.67E-10	1.57E-09	5.97E-10	3.92E-10	9.89E-10
4736	562713.7	4235073	5.96E-09	5.32E-09	1.13E-08	1.01E-09	8.52E-10	1.86E-09	4.81E-09	3.90E-09	8.71E-09	7.88E-10	7.56E-10	1.54E-09	5.88E-10	3.86E-10	9.75E-10
4737	562707.2	4235066	5.88E-09	5.24E-09	1.11E-08	9.97E-10	8.40E-10	1.84E-09	4.74E-09	3.85E-09	8.59E-09	7.77E-10	7.46E-10	1.52E-09	5.80E-10	3.81E-10	9.61E-10
4738	562698.7	4235050	5.83E-09	5.20E-09	1.10E-08	9.90E-10	8.34E-10	1.82E-09	4.71E-09	3.82E-09	8.53E-09	7.71E-10	7.40E-10	1.51E-09	5.76E-10	3.78E-10	9.54E-10
4739	562696.9	4235041	5.87E-09	5.24E-09	1.11E-08	9.96E-10	8.40E-10	1.84E-09	4.74E-09	3.84E-09	8.58E-09	7.77E-10	7.45E-10	1.52E-09	5.80E-10	3.81E-10	9.61E-10
4740	562695	4235032	5.92E-09	5.28E-09	1.12E-08	1.01E-09	8.47E-10	1.85E-09	4.78E-09	3.88E-09	8.66E-09	7.83E-10	7.52E-10	1.53E-09	5.85E-10	3.84E-10	9.69E-10
4741	562693.1	4235023	5.99E-09	5.34E-09	1.13E-08	1.02E-09	8.56E-10	1.87E-09	4.83E-09	3.92E-09	8.75E-09	7.92E-10	7.60E-10	1.55E-09	5.91E-10	3.88E-10	9.79E-10
4742	562691.2	4235014	6.07E-09	5.41E-09	1.15E-08	1.03E-09	8.67E-10	1.90E-09	4.90E-09	3.97E-09	8.87E-09	8.02E-10	7.70E-10	1.57E-09	5.99E-10	3.93E-10	9.92E-10
4743	562689.3	4235005	6.16E-09	5.50E-09	1.17E-08	1.05E-09	8.81E-10	1.93E-09	4.97E-09	4.03E-09	9.01E-09	8.15E-10	7.82E-10	1.60E-09	6.08E-10	3.99E-10	1.01E-09
4744	562687.5	4234996	6.28E-09	5.60E-09	1.19E-08	1.06E-09	8.97E-10	1.96E-09	5.07E-09	4.11E-09	9.17E-09	8.30E-10	7.96E-10	1.63E-09	6.20E-10	4.07E-10	1.03E-09
4745	562685.6	4234987	6.41E-09	5.72E-09	1.21E-08	1.09E-09	9.17E-10	2.00E-09	5.18E-09	4.20E-09	9.37E-09	8.48E-10	8.13E-10	1.66E-09	6.33E-10	4.15E-10	1.05E-09
4746	562683.7	4234978	6.57E-09	5.86E-09	1.24E-08	1.11E-09	9.39E-10	2.05E-09	5.30E-09	4.30E-09	9.60E-09	8.69E-10	8.34E-10	1.70E-09	6.49E-10	4.26E-10	1.07E-09
4747	562681.8	4234969	6.75E-09	6.02E-09	1.28E-08	1.15E-09	9.66E-10	2.11E-09	5.45E-09	4.42E-09	9.87E-09	8.93E-10	8.57E-10	1.75E-09	6.67E-10	4.38E-10	1.10E-09
4748	562679.9	4234960	6.96E-09	6.21E-09	1.32E-08	1.18E-09	9.96E-10	2.18E-09	5.62E-09	4.56E-09	1.02E-08	9.21E-10	8.84E-10	1.80E-09	6.88E-10	4.51E-10	1.14E-09
4749	562678	4234951	7.20E-09	6.43E-09	1.36E-08	1.22E-09	1.03E-09	2.25E-09	5.82E-09	4.71E-09	1.05E-08	9.53E-10	9.14E-10	1.87E-09	7.11E-10	4.67E-10	1.18E-09
4750	562676.2	4234942	7.47E-09	6.67E-09	1.41E-08	1.27E-09	1.07E-09	2.34E-09	6.03E-09	4.89E-09	1.09E-08	9.88E-10	9.48E-10	1.94E-09	7.38E-10	4.84E-10	1.22E-09
4751	562674.3	4234933	7.78E-09	6.94E-09	1.47E-08	1.32E-09	1.11E-09	2.43E-09	6.28E-09	5.09E-09	1.14E-08	1.03E-09	9.87E-10	2.02E-09	7.68E-10	5.04E-10	1.27E-09
4752	562672.4	4234924	8.12E-09	7.24E-09	1.54E-08	1.38E-09	1.16E-09	2.54E-09	6.55E-09	5.31E-09	1.19E-08	1.07E-09	1.03E-09	2.10E-09	8.02E-10	5.26E-10	1.33E-09
4753	562670.5	4234914	8.49E-09	7.58E-09	1.61E-08	1.44E-09	1.21E-09	2.66E-09	6.86E-09	5.56E-09	1.24E-08	1.12E-09	1.08E-09	2.20E-09	8.39E-10	5.50E-10	1.39E-09
4754	562668.6	4234905	8.91E-09	7.95E-09	1.69E-08	1.51E-09	1.27E-09	2.79E-09	7.19E-09	5.83E-09	1.30E-08	1.18E-09	1.13E-09	2.31E-09	8.80E-10	5.77E-10	1.46E-09
4755	562666.7	4234896	9.37E-09	8.36E-09	1.77E-08	1.59E-09	1.34E-09	2.93E-09	7.56E-09	6.13E-09	1.37E-08	1.24E-09	1.19E-09	2.43E-09	9.25E-10	6.07E-10	1.53E-09
4756	562664.9	4234887	9.87E-09	8.81E-09	1.87E-08	1.67E-09	1.41E-09	3.09E-09	7.97E-09	6.46E-09	1.44E-08	1.31E-09	1.25E-09	2.56E-09	9.75E-10	6.40E-10	1.61E-09
4757	562663	4234878	1.04E-08	9.29E-09	1.97E-08	1.77E-09	1.49E-09	3.26E-09	8.41E-09	6.82E-09	1.52E-08	1.38E-09	1.32E-09	2.70E-09	1.03E-09	6.75E-10	1.70E-09
4758	562661.1	4234869	1.10E-08	9.82E-09	2.08E-08	1.87E-09	1.57E-09	3.44E-09	8.89E-09	7.21E-09	1.61E-08	1.46E-09	1.40E-09	2.85E-09	1.09E-09	7.14E-10	1.80E-09
4759	562659.2	4234860	1.17E-08	1.04E-08	2.20E-08	1.98E-09	1.67E-09	3.64E-09	9.41E-09	7.62E-09	1.70E-08	1.54E-09	1.48E-09	3.02E-09	1.15E-09	7.55E-10	1.91E-09
4760	562657.3	4234851	1.23E-08	1.10E-08	2.33E-08	2.09E-09	1.76E-09	3.86E-09	9.96E-09	8.07E-09	1.80E-08	1.63E-09	1.57E-09	3.20E-09	1.22E-09	7.99E-10	2.02E-09
4761	562655.5	4234842	1.31E-08	1.16E-08	2.47E-08	2.22E-09	1.87E-09	4.08E-09	1.05E-08	8.54E-09	1.91E-08	1.73E-09	1.66E-09	3.38E-09	1.29E-09	8.46E-10	2.14E-09
4762	562653.6	4234833	1.38E-08	1.23E-08	2.61E-08	2.34E-09	1.98E-09	4.32E-09	1.12E-08	9.04E-09	2.02E-08	1.83E-09	1.75E-09	3.58E-09	1.36E-09	8.95E-10	2.26E-09
4763	562871.1	4235230	1.06E-08	9.41E-09	2.00E-08	1.79E-09	1.51E-09	3.30E-09	8.52E-09	6.90E-09	1.54E-08	1.40E-09	1.34E-09	2.73E-09	1.04E-09	6.84E-10	1.73E-09
4764	562879.5	4235234	1.09E-08	9.74E-09	2.07E-08	1.85E-09	1.56E-09	3.42E-09	8.82E-09	7.15E-09	1.60E-08	1.44E-09	1.39E-09	2.83E-09	1.08E-09	7.08E-10	1.79E-09
4765	562888	4235239	1.13E-08	1.01E-08	2.14E-08	1.92E-09	1.62E-09	3.53E-09	9.13E-09	7.40E-09	1.65E-08	1.49E-09	1.43E-09	2.93E-09	1.12E-09	7.32E-10	1.85E-09
4766	562896.4	4235243	1.17E-08	1.04E-08	2.21E-08	1.98E-09	1.67E-09	3.65E-09	9.44E-09	7.65E-09	1.71E-08	1.55E-09	1.48E-09	3.03E-09	1.15E-09	7.57E-10	1.91E-09
4767	562904.9	4235248	1.21E-08	1.08E-08	2.29E-08	2.05E-09	1.73E-09	3.78E-09	9.75E-09	7.91E-09	1.77E-08	1.60E-09	1.53E-09	3.13E-09	1.19E-09	7.83E-10	1.98E-09
4768	562913.3	4235252	1.25E-08	1.11E-08	2.36E-08	2.12E-09	1.78E-09	3.90E-09	1.01E-08	8.17E-09	1.82E-08	1.65E-09	1.58E-09	3.23E-09	1.23E-09	8.09E-10	2.04E-09
4769	562921.8	4235257	1.29E-08	1.15E-08	2.44E-08	2.19E-09	1.84E-09	4.03E-09	1.04E-08	8.43E-09	1.88E-08	1.70E-09	1.63E-09	3.34E-09	1.27E-09	8.35E-10	2.11E-09
4770	562930.2	4235262	1.33E-08	1.19E-08	2.52E-08	2.26E-09	1.90E-09	4.16E-09	1.07E-08	8.70E-09	1.94E-08	1.76E-09	1.69E-09	3.45E-09	1.31E-09	8.62E-10	2.18E-09
4771	562938.7	4235266	1.37E-08	1.22E-08	2.60E-08	2.33E-09	1.96E-09	4.29E-09	1.11E-08	8.98E-09	2.01E-08	1.81E-09	1.74E-09	3.55E-09	1.35E-09	8.89E-10	2.24E-09
4772	562947.1	4235271	1.41E-08	1.26E-08	2.68E-08	2.40E-09	2.02E-09	4.42E-09	1.14E-08	9.25E-09	2.07E-08	1.87E-09	1.79E-09	3.66E-09	1.40E-09	9.17E-10	2.31E-09
4773	562955.6	4235275	1.46E-08	1.30E-08	2.76E-08	2.47E-09	2.08E-09	4.56E-09	1.18E-08	9.54E-09	2.13E-08	1.93E-09	1.85E-09	3.78E-09	1.44E-09	9.45E-10	2.38E-09
4774	562964	4235280	1.50E-08	1.34E-08	2.84E-08	2.55E-09	2.15E-09	4.69E-09	1.21E-08	9.82E-09	2.19E-08	1.99E-09	1.91E-09	3.89E-09	1.48E-09	9.73E-10	2.46E-09
4775	562972.5	4235284	1.55E-08	1.38E-08	2.92E-08	2.62E-09	2.21E-09	4.83E-09	1.25E-08	1.01E-08	2.26E-08	2.04E-09	1.96E-09	4.00E-09	1.53E-09	1.00E-09	2.53E-09
4776	562980.9	4235289	1.59E-08	1.42E-08	3.01E-08	2.70E-09	2.27E-09	4.97E-09	1.28E-08	1.04E-08	2.32E-08	2.10E-09	2.02E-09	4.12E-09	1.57E-09	1.03E-09	2.60E-09
4777	562989.4	4235293	1.63E-08	1.46E-08	3.09E-08	2.77E-09	2.34E-09	5.11E-09	1.32E-08	1.07E-08	2.39E-08	2.16E-09	2.07E-09	4.23E-09	1.61E-09	1.06E-09	2.67E-09
4778	562997.8	4235298	1.68E-08	1.50E-08	3.17E-08	2.85E-09	2.40E-09	5.24E-09	1.35E-08	1.10E-08	2.45E-08	2.22E-09	2.13E-09	4.35E-09	1.66E-09	1.09E-09	2.74E-09
4779	563006.3	4235303	1.72E-08	1.53E-08	3.25E-08	2.92E-09	2.46E-09	5.38E-09	1.39E-08	1.13E-08	2.51E-08	2.27E-09	2.18E-09	4.45E-09	1.70E-09	1.11E-09	2.81E-09
4780	563014.7	4235307	1.76E-08	1.57E-08	3.33E-08	2.99E-09	2.52E-09	5.50E-09	1.42E-08	1.15E-08	2.57E-08	2.33E-09	2.23E-09	4.56E-09	1.74E-09	1.14E-09	2.88E-09
4781	563023.2	4235312	1.80E-08	1.60E-08	3.40E-08	3.05E-09	2.57E-09	5.62E-09	1.45E-08	1.18E-08	2.63E-08	2.38E-09	2.28E-09	4.66E-09	1.78E-09	1.17E-09	2.94E-09
4782	563031.6	4235316	1.83E-08	1.64E-08	3.47E-08	3.11E-09	2.62E-09	5.73E-09	1.48E-08	1.20E-08	2.68E-08	2.43E-09	2.33E-09	4.75E-09	1.81E-09	1.19E-09	3.00E-09
4783	563040.1	4235321	1.87E-08	1.66E-08	3.53E-08	3.17E-09	2.67E-09	5.84E-09	1.51E-08	1.22E-08	2.73E-08	2.47E-09	2.37E-09	4.84E-09	1.84E-09	1.21E-09	3.05E-09
4784	563048.5	4235325	1.90E-08	1.69E-08	3.59E-08	3.22E-09	2.71E-09	5.93E-09	1.53E-08	1.24E-08	2.77E-08	2.51E-09	2.40E-09	4.91E-09	1.87E-09	1.23E-09	3.10E-09
4785	562845.4	4235258	9.05E-09	8.08E-09	1.71E-08	1.54E-09	1.29E-09	2.83E-09	7.31E-09	5.93E-09	1.32E-08	1.20E-09	1.15E-09	2.35E-09	8.94E-10	5.87E-10	1.48E-09
4786	562838.8	4235252	8.85E-09	7.89E-09	1.67E-08	1.50E-09	1.27E-09	2.77E-09	7.14E-09	5.79E-09	1.29E-08	1.17E-09	1.12E-09	2.29E-09	8.74E-10	5.73E-10	1.45E-09
4787	562832.1	4235245	8.62E-09	7.69E-09	1.63E-08	1.46E-09	1.23E-09	2.69E-09	6.96E-09	5.64E-09	1.26E-08	1.14E-09	1.09E-09	2.23E-09	8.51E-10	5.59E-10	1.41E-09
4788	562825.4	4235238	8.37E-09	7.47E-09	1.58E-08	1.42E-09	1.20E-09	2.62E-09	6.76E-09	5.48E-09	1.22E-08	1.11E-09	1.06E-09	2.17E-09	8.26E-10	5.42E-10	1.37E-09
4789	562818.8	4235232	8.14E-09	7.26E-09	1.54E-08	1.38E-09	1.16E-09	2.55E-09	6.58E-09	5.33E-09	1.19E-08	1.08E-09	1.03E-09	2.11E-09	8.04E-10	5.28E-10	1.33E-09
4790	562812.1	4235225	7.93E-09	7.08E-09	1.50E-08	1.35E-09	1.13E-09	2.48E-09	6.41E-09	5.19E-09	1.16E-08	1.05E-09	1.01E-09	2.06E-09	7.83E-10	5.14E-10	1.30E-09
4791	562805.4	4235218	7.73E-09	6.89E-09	1.46E-08	1.31E-09	1.11E-09	2.42E-09	6.24E-09	5.06E-09	1.13E-08	1.02E-09	9.81E-10	2.00E-09	7.63E-10	5.01E-10	1.26E-09
4792	562798.8	4235212	7.53E-09	6.72E-09	1.42E-08	1.28E-09	1.08E-09	2.35E-09	6.08E-09	4.93E-09	1.10E-08	9.96E-10	9.56E-10	1.95E-09	7.44E-10	4.88E-10	1.23E-09
4793	562792.1	4235205	7.34E-09	6.55E-09	1.39E-08	1.25E-09	1.05E-09	2.30E-09	5.93E-09	4.80E-09	1.07E-08	9.71E-10	9.31E-10	1.90E-09	7.25E-10	4.76E-10	1.20E-09
4794	562785.4	4235198	7.16E-09	6.38E-09	1.35E-08	1.21E-09	1.02E-09	2.24E-09	5.78E-09	4.68E-09	1.05E-08	9.46E-10	9.08E-10	1.85E-09	7.07E-10	4.64E-10	1.17E-09
4795	562778.8	4235192	6.98E-09	6.23E-09	1.32E-08	1.18E-09	9.99E-10	2.18E-09	5.64E-09	4.57E-09	1.02E-08	9.23E-10	8.86E-10	1.81E-09	6.90E-10	4.53E-10	1.14E-09
4796	562772.1	4235185	6.82E-09	6.08E-09	1.29E-08	1.16E-09	9.75E-10	2.13E-09	5.50E-09	4.46E-09	9.97E-09	9.02E-10	8.65E-10	1.77E-09	6.73E-10	4.42E-10	1.12E-09
4797	562765.4	4235178	6.66E-09	5.94E-09	1.26E-08	1.13E-09	9.53E-10	2.08E-09	5.38E-09	4.36E-09	9.74E-09	8.81E-10	8.45E-10	1.73E-09	6.58E-10	4.32E-10	1.09E-09
4798	562758.8	4235172	6.51E-09	5.81E-09	1.23E-08	1.11E-09	9.32E-10	2.04E-09	5.26E-09	4.26E-09	9.52E-09	8.61E-10	8.27E-10	1.69E-09	6.43E-10	4.22E-10	1.07E-09
4799	562752.1	4235165	6.38E-09	5.69E-09	1.21E-08	1.08E-09	9.12E-10	1.99E-09	5.15E-09	4.17E-09	9.32E-09	8.43E-10	8.09E-10	1.65E-09	6.30E-10	4.13E-10	1.04E-09
4800	562745.4	4235158	6.24E-09	5.57E-09	1.18E-08	1.06E-09	8.93E-10	1.95E-09	5.04E-09	4.09E-09	9.13E-09	8.26E-10	7.92E-10	1.62E-09	6.17E-10	4.05E-10	1.02E-09
4801	562738.8	4235152	6.12E-09	5.46E-09	1.16E-08	1.04E-09	8.75E-10	1.91E-09	4.94E-09	4.01E-09	8.95E-09	8.09E-10	7.77E-10	1.59E-09	6.05E-10	3.97E-10	1.00E-09
4802	562732.1	4235145	6.00E-09	5.36E-09	1.14E-08	1.02E-09	8.59E-10	1.88E-09	4.85E-09	3.93E-09	8.78E-09	7.94E-10	7.62E-10	1.56E-09	5.93E-10	3.89E-10	9.82E-10
4803	562725.4	4235138	5.90E-09	5.26E-09	1.12E-08	1.00E-09	8.43E-10	1.84E-09	4.76E-09	3.86E-09	8.62E-09	7.80E-10	7.48E-10	1.53E-09	5.82E-10	3.82E-10	9.64E-10
4804	562718.8	4235132	5.79E-09	5.17E-09	1.10E-08	9.83E-10	8.28E-10	1.81E-09	4.68E-09	3.79E-09	8.47E-09	7.66E-10	7.35E-10	1.50E-09	5.72E-10	3.75E-10	9.47E-10
4805	562712.1	4235125	5.69E-09	5.08E-09	1.08E-08	9.66E-10	8.14E-10	1.78E-09	4.60E-09	3.73E-09	8.32E-09	7.53E-10	7.22E-10	1.48E-09	5.62E-10	3.69E-10	9.31E-10
4806	562705.4	4235119	5.60E-09	4.99E-09	1.06E-08	9.50E-10	8.01E-10	1.75E-09	4.52E-09	3.66E-09	8.18E-09	7.40E-10	7.10E-10	1.45E-09	5.53E-10	3.63E-10	9.16E-10
4807	562698.8	4235112	5.51E-09	4.91E-09	1.04E-08	9.35E-10	7.88E-10	1.72E-09	4.45E-09	3.61E-09	8.05E-09	7.29E-10	6.99E-10	1.43E-09	5.44E-10	3.57E-10	9.01E-10
4808	562692.1	4235105	5.42E-09	4.84E-09	1.03E-08	9.20E-10	7.76E-10	1.70E-09	4.38E-09	3.55E-09	7.93E-09	7.17E-10	6.88E-10	1.41E-09	5.36E-10	3.52E-10	8.87E-10
4809	562685.4	4235099	5.34E-09	4.77E-09	1.01E-08	9.07E-10	7.64E-10	1.67E-09	4.32E-09	3.50E-09	7.81E-09	7.07E-10	6.78E-10	1.38E-09	5.28E-10	3.46E-10	8.74E-10
4810	562678.8	4235092	5.27E-09	4.70E-09	9.97E-09	8.94E-10	7.53E-10	1.65E-09	4.25E-09	3.45E-09	7.70E-09	6.97E-10	6.69E-10	1.37E-09	5.20E-10	3.41E-10	8.62E-10
4811	562672.1	4235085	5.20E-09	4.64E-09	9.83E-09	8.82E-10	7.43E-10	1.63E-09	4.20E-09	3.40E-09	7.60E-09	6.87E-10	6.60E-10	1.35E-09	5.13E-10	3.37E-10	8.50E-10
4812	562663.5	4235069	5.15E-09	4.60E-09	9.75E-09	8.74E-10	7.37E-10	1.61E-09	4.16E-09	3.37E-09	7.53E-09	6.81E-10	6.54E-10	1.34E-09	5.09E-10	3.34E-10	8.43E-10
4813	562661.6	4235060	5.18E-09	4.62E-09	9.80E-09	8.79E-10	7.41E-10	1.62E-09	4.18E-09	3.39E-09	7.57E-09	6.85E-10	6.57E-10	1.34E-09	5.12E-10	3.36E-10	8.47E-10
4814	562659.7	4235051	5.22E-09	4.65E-09	9.87E-09	8.85E-10	7.46E-10	1.63E-09	4.21E-09	3.41E-09	7.63E-09	6.90E-10	6.62E-10	1.35E-09	5.15E-10	3.38E-10	8.53E-10
4815	562657.8	4235042	5.26E-09	4.69E-09	9.96E-09	8.93E-10	7.53E-10	1.65E-09	4.25E-09	3.44E-09	7.69E-09	6.96E-10	6.68E-10	1.36E-09	5.20E-10	3.41E-10	8.61E-10
4816	562655.9	4235032	5.32E-09	4.74E-09	1.01E-08	9.03E-10	7.61E-10	1.66E-09	4.29E-09	3.48E-09	7.78E-09	7.03E-10	6.75E-10	1.38E-09	5.25E-10	3.45E-10	8.70E-10
4817	562653.9	4235023	5.39E-09	4.81E-09	1.02E-08	9.14E-10	7.71E-10	1.68E-09	4.35E-09	3.53E-09	7.88E-09	7.13E-10	6.84E-10	1.40E-09	5.32E-10	3.49E-10	8.81E-10
4818	562652	4235014	5.47E-09	4.88E-09	1.04E-08	9.29E-10	7.83E-10	1.71E-09	4.42E-09	3.58E-09	8.00E-09	7.24E-10	6.94E-10	1.42E-09	5.40E-10	3.55E-10	8.95E-10
4819	562650.1	4235005	5.57E-09	4.97E-09	1.05E-08	9.46E-10	7.97E-10	1.74E-09	4.50E-09	3.65E-09	8.15E-09	7.37E-10	7.07E-10	1.44E-09	5.50E-10	3.61E-10	9.12E-10

4820	562648.2	4234996	5.69E-09	5.08E-09	1.08E-08	9.66E-10	8.14E-10	1.78E-09	4.60E-09	3.73E-09	8.32E-09	7.53E-10	7.22E-10	1.48E-09	5.62E-10	3.69E-10	9.31E-10
4821	562646.3	4234986	5.83E-09	5.20E-09	1.10E-08	9.89E-10	8.34E-10	1.82E-09	4.71E-09	3.82E-09	8.52E-09	7.71E-10	7.40E-10	1.51E-09	5.76E-10	3.78E-10	9.54E-10
4822	562644.4	4234977	5.99E-09	5.34E-09	1.13E-08	1.02E-09	8.57E-10	1.87E-09	4.84E-09	3.92E-09	8.76E-09	7.92E-10	7.60E-10	1.55E-09	5.92E-10	3.88E-10	9.80E-10
4823	562642.5	4234968	6.17E-09	5.51E-09	1.17E-08	1.05E-09	8.83E-10	1.93E-09	4.98E-09	4.04E-09	9.03E-09	8.16E-10	7.83E-10	1.60E-09	6.10E-10	4.00E-10	1.01E-09
4824	562640.6	4234959	6.38E-09	5.69E-09	1.21E-08	1.08E-09	9.13E-10	2.00E-09	5.15E-09	4.18E-09	9.33E-09	8.44E-10	8.10E-10	1.65E-09	6.30E-10	4.14E-10	1.04E-09
4825	562638.6	4234949	6.62E-09	5.90E-09	1.25E-08	1.12E-09	9.46E-10	2.07E-09	5.34E-09	4.33E-09	9.67E-09	8.75E-10	8.39E-10	1.71E-09	6.53E-10	4.29E-10	1.08E-09
4826	562636.7	4234940	6.88E-09	6.13E-09	1.30E-08	1.17E-09	9.83E-10	2.15E-09	5.55E-09	4.50E-09	1.01E-08	9.09E-10	8.73E-10	1.78E-09	6.79E-10	4.46E-10	1.12E-09
4827	562634.8	4234931	7.17E-09	6.39E-09	1.36E-08	1.22E-09	1.03E-09	2.24E-09	5.79E-09	4.69E-09	1.05E-08	9.48E-10	9.09E-10	1.86E-09	7.08E-10	4.65E-10	1.17E-09
4828	562632.9	4234922	7.49E-09	6.68E-09	1.42E-08	1.27E-09	1.07E-09	2.34E-09	6.05E-09	4.90E-09	1.09E-08	9.90E-10	9.50E-10	1.94E-09	7.40E-10	4.85E-10	1.22E-09
4829	562631	4234913	7.84E-09	7.00E-09	1.48E-08	1.33E-09	1.12E-09	2.45E-09	6.33E-09	5.13E-09	1.15E-08	1.04E-09	9.95E-10	2.03E-09	7.75E-10	5.08E-10	1.28E-09
4830	562629.1	4234903	8.23E-09	7.35E-09	1.56E-08	1.40E-09	1.18E-09	2.57E-09	6.65E-09	5.39E-09	1.20E-08	1.09E-09	1.04E-09	2.13E-09	8.13E-10	5.34E-10	1.35E-09
4831	562627.2	4234894	8.66E-09	7.73E-09	1.64E-08	1.47E-09	1.24E-09	2.71E-09	6.99E-09	5.67E-09	1.27E-08	1.15E-09	1.10E-09	2.24E-09	8.55E-10	5.61E-10	1.42E-09
4832	562625.2	4234885	9.13E-09	8.14E-09	1.73E-08	1.55E-09	1.31E-09	2.85E-09	7.37E-09	5.97E-09	1.33E-08	1.21E-09	1.16E-09	2.36E-09	9.01E-10	5.91E-10	1.49E-09
4833	562623.3	4234876	9.63E-09	8.59E-09	1.82E-08	1.63E-09	1.38E-09	3.01E-09	7.78E-09	6.30E-09	1.41E-08	1.27E-09	1.22E-09	2.50E-09	9.51E-10	6.24E-10	1.58E-09
4834	562621.4	4234866	1.02E-08	9.08E-09	1.92E-08	1.73E-09	1.45E-09	3.18E-09	8.21E-09	6.66E-09	1.49E-08	1.35E-09	1.29E-09	2.64E-09	1.00E-09	6.59E-10	1.66E-09
4835	562619.5	4234857	1.08E-08	9.59E-09	2.03E-08	1.82E-09	1.54E-09	3.36E-09	8.68E-09	7.04E-09	1.57E-08	1.42E-09	1.36E-09	2.79E-09	1.06E-09	6.97E-10	1.76E-09
4836	562617.6	4234848	1.14E-08	1.01E-08	2.15E-08	1.93E-09	1.63E-09	3.56E-09	9.18E-09	7.44E-09	1.66E-08	1.50E-09	1.44E-09	2.95E-09	1.12E-09	7.37E-10	1.86E-09
4837	562615.7	4234839	1.20E-08	1.07E-08	2.28E-08	2.04E-09	1.72E-09	3.76E-09	9.71E-09	7.87E-09	1.76E-08	1.59E-09	1.53E-09	3.12E-09	1.19E-09	7.79E-10	1.97E-09
4838	562613.8	4234830	1.27E-08	1.13E-08	2.40E-08	2.16E-09	1.82E-09	3.97E-09	1.03E-08	8.31E-09	1.86E-08	1.68E-09	1.61E-09	3.29E-09	1.25E-09	8.23E-10	2.08E-09
4839	562852.1	4235265	9.24E-09	8.24E-09	1.75E-08	1.57E-09	1.32E-09	2.89E-09	7.46E-09	6.05E-09	1.35E-08	1.22E-09	1.17E-09	2.39E-09	9.12E-10	5.99E-10	1.51E-09
4840	562860.5	4235270	9.59E-09	8.55E-09	1.81E-08	1.63E-09	1.37E-09	3.00E-09	7.74E-09	6.27E-09	1.40E-08	1.27E-09	1.22E-09	2.48E-09	9.47E-10	6.21E-10	1.57E-09
4841	562869	4235274	9.96E-09	8.89E-09	1.88E-08	1.69E-09	1.42E-09	3.12E-09	8.04E-09	6.52E-09	1.46E-08	1.32E-09	1.26E-09	2.58E-09	9.84E-10	6.46E-10	1.63E-09
4842	562877.4	4235279	1.03E-08	9.23E-09	1.96E-08	1.76E-09	1.48E-09	3.24E-09	8.35E-09	6.77E-09	1.51E-08	1.37E-09	1.31E-09	2.68E-09	1.02E-09	6.70E-10	1.69E-09
4843	562885.9	4235283	1.07E-08	9.56E-09	2.03E-08	1.82E-09	1.53E-09	3.35E-09	8.65E-09	7.01E-09	1.57E-08	1.42E-09	1.36E-09	2.78E-09	1.06E-09	6.95E-10	1.75E-09
4844	562894.4	4235288	1.10E-08	9.85E-09	2.09E-08	1.87E-09	1.58E-09	3.45E-09	8.91E-09	7.22E-09	1.61E-08	1.46E-09	1.40E-09	2.86E-09	1.09E-09	7.15E-10	1.81E-09
4845	562902.8	4235292	1.14E-08	1.01E-08	2.15E-08	1.93E-09	1.63E-09	3.55E-09	9.18E-09	7.44E-09	1.66E-08	1.50E-09	1.44E-09	2.95E-09	1.12E-09	7.37E-10	1.86E-09
4846	562911.3	4235297	1.17E-08	1.04E-08	2.21E-08	1.98E-09	1.67E-09	3.66E-09	9.44E-09	7.65E-09	1.71E-08	1.55E-09	1.48E-09	3.03E-09	1.16E-09	7.58E-10	1.91E-09
4847	562919.7	4235301	1.20E-08	1.07E-08	2.28E-08	2.04E-09	1.72E-09	3.76E-09	9.71E-09	7.87E-09	1.76E-08	1.59E-09	1.53E-09	3.12E-09	1.19E-09	7.80E-10	1.97E-09
4848	562928.2	4235306	1.24E-08	1.10E-08	2.34E-08	2.10E-09	1.77E-09	3.87E-09	9.99E-09	8.10E-09	1.81E-08	1.64E-09	1.57E-09	3.21E-09	1.22E-09	8.02E-10	2.02E-09
4849	562936.6	4235310	1.27E-08	1.13E-08	2.41E-08	2.16E-09	1.82E-09	3.98E-09	1.03E-08	8.32E-09	1.86E-08	1.68E-09	1.61E-09	3.30E-09	1.26E-09	8.24E-10	2.08E-09
4850	562945.1	4235315	1.31E-08	1.17E-08	2.47E-08	2.22E-09	1.87E-09	4.09E-09	1.06E-08	8.55E-09	1.91E-08	1.73E-09	1.66E-09	3.39E-09	1.29E-09	8.47E-10	2.14E-09
4851	562953.5	4235320	1.34E-08	1.20E-08	2.54E-08	2.28E-09	1.92E-09	4.20E-09	1.08E-08	8.78E-09	1.96E-08	1.78E-09	1.70E-09	3.48E-09	1.33E-09	8.70E-10	2.20E-09
4852	562962	4235324	1.38E-08	1.23E-08	2.61E-08	2.34E-09	1.97E-09	4.31E-09	1.11E-08	9.02E-09	2.01E-08	1.82E-09	1.75E-09	3.57E-09	1.36E-09	8.93E-10	2.25E-09
4853	562970.4	4235329	1.41E-08	1.26E-08	2.68E-08	2.40E-09	2.02E-09	4.42E-09	1.14E-08	9.25E-09	2.07E-08	1.87E-09	1.79E-09	3.66E-09	1.40E-09	9.16E-10	2.31E-09
4854	562978.9	4235333	1.45E-08	1.29E-08	2.74E-08	2.46E-09	2.07E-09	4.53E-09	1.17E-08	9.49E-09	2.12E-08	1.92E-09	1.84E-09	3.76E-09	1.43E-09	9.40E-10	2.37E-09
4855	562987.3	4235338	1.49E-08	1.32E-08	2.81E-08	2.52E-09	2.12E-09	4.64E-09	1.20E-08	9.72E-09	2.17E-08	1.96E-09	1.88E-09	3.85E-09	1.47E-09	9.62E-10	2.43E-09
4856	562995.8	4235342	1.52E-08	1.36E-08	2.88E-08	2.58E-09	2.17E-09	4.75E-09	1.23E-08	9.94E-09	2.22E-08	2.01E-09	1.93E-09	3.94E-09	1.50E-09	9.85E-10	2.49E-09
4857	563004.2	4235347	1.55E-08	1.39E-08	2.94E-08	2.64E-09	2.22E-09	4.86E-09	1.25E-08	1.02E-08	2.27E-08	2.05E-09	1.97E-09	4.02E-09	1.53E-09	1.01E-09	2.54E-09
4858	563012.7	4235351	1.58E-08	1.41E-08	3.00E-08	2.69E-09	2.27E-09	4.96E-09	1.28E-08	1.04E-08	2.32E-08	2.10E-09	2.01E-09	4.11E-09	1.57E-09	1.03E-09	2.59E-09
4859	563021.1	4235356	1.61E-08	1.44E-08	3.05E-08	2.74E-09	2.31E-09	5.05E-09	1.30E-08	1.06E-08	2.36E-08	2.14E-09	2.05E-09	4.18E-09	1.59E-09	1.05E-09	2.64E-09
4860	563029.6	4235360	1.64E-08	1.46E-08	3.11E-08	2.79E-09	2.35E-09	5.13E-09	1.33E-08	1.07E-08	2.40E-08	2.17E-09	2.08E-09	4.25E-09	1.62E-09	1.06E-09	2.69E-09
4861	562826.4	4235293	8.16E-09	7.28E-09	1.54E-08	1.38E-09	1.17E-09	2.55E-09	6.59E-09	5.34E-09	1.19E-08	1.08E-09	1.04E-09	2.12E-09	8.06E-10	5.29E-10	1.34E-09
4862	562819.6	4235287	7.97E-09	7.11E-09	1.51E-08	1.35E-09	1.14E-09	2.49E-09	6.44E-09	5.22E-09	1.17E-08	1.05E-09	1.01E-09	2.07E-09	7.87E-10	5.17E-10	1.30E-09
4863	562812.8	4235280	7.78E-09	6.94E-09	1.47E-08	1.32E-09	1.11E-09	2.43E-09	6.29E-09	5.09E-09	1.14E-08	1.03E-09	9.88E-10	2.02E-09	7.69E-10	5.05E-10	1.27E-09
4864	562806.1	4235273	7.60E-09	6.78E-09	1.44E-08	1.29E-09	1.09E-09	2.38E-09	6.13E-09	4.97E-09	1.11E-08	1.00E-09	9.64E-10	1.97E-09	7.50E-10	4.92E-10	1.24E-09
4865	562799.3	4235266	7.41E-09	6.61E-09	1.40E-08	1.26E-09	1.06E-09	2.32E-09	5.98E-09	4.85E-09	1.08E-08	9.80E-10	9.40E-10	1.92E-09	7.32E-10	4.80E-10	1.21E-09
4866	562792.6	4235260	7.22E-09	6.44E-09	1.37E-08	1.23E-09	1.03E-09	2.26E-09	5.83E-09	4.73E-09	1.06E-08	9.55E-10	9.17E-10	1.87E-09	7.13E-10	4.68E-10	1.18E-09
4867	562785.8	4235253	7.04E-09	6.28E-09	1.33E-08	1.19E-09	1.01E-09	2.20E-09	5.69E-09	4.61E-09	1.03E-08	9.31E-10	8.94E-10	1.82E-09	6.96E-10	4.56E-10	1.15E-09
4868	562779	4235246	6.87E-09	6.13E-09	1.30E-08	1.17E-09	9.82E-10	2.15E-09	5.54E-09	4.49E-09	1.00E-08	9.08E-10	8.71E-10	1.78E-09	6.78E-10	4.45E-10	1.12E-09
4869	562772.3	4235239	6.70E-09	5.97E-09	1.27E-08	1.14E-09	9.58E-10	2.09E-09	5.41E-09	4.38E-09	9.79E-09	8.86E-10	8.50E-10	1.74E-09	6.61E-10	4.34E-10	1.10E-09
4870	562765.5	4235233	6.53E-09	5.83E-09	1.24E-08	1.11E-09	9.34E-10	2.04E-09	5.28E-09	4.28E-09	9.55E-09	8.64E-10	8.29E-10	1.69E-09	6.45E-10	4.23E-10	1.07E-09
4871	562758.7	4235226	6.38E-09	5.69E-09	1.21E-08	1.08E-09	9.12E-10	1.99E-09	5.15E-09	4.17E-09	9.32E-09	8.43E-10	8.09E-10	1.65E-09	6.30E-10	4.13E-10	1.04E-09
4872	562752	4235219	6.23E-09	5.56E-09	1.18E-08	1.06E-09	8.91E-10	1.95E-09	5.03E-09	4.08E-09	9.11E-09	8.24E-10	7.90E-10	1.61E-09	6.15E-10	4.04E-10	1.02E-09
4873	562745.2	4235212	6.09E-09	5.43E-09	1.15E-08	1.03E-09	8.71E-10	1.90E-09	4.92E-09	3.99E-09	8.90E-09	8.05E-10	7.73E-10	1.58E-09	6.01E-10	3.95E-10	9.96E-10
4874	562738.5	4235206	5.96E-09	5.31E-09	1.13E-08	1.01E-09	8.52E-10	1.86E-09	4.81E-09	3.90E-09	8.71E-09	7.88E-10	7.56E-10	1.54E-09	5.88E-10	3.86E-10	9.75E-10
4875	562731.7	4235199	5.83E-09	5.20E-09	1.10E-08	9.90E-10	8.34E-10	1.82E-09	4.71E-09	3.82E-09	8.53E-09	7.71E-10	7.40E-10	1.51E-09	5.76E-10	3.78E-10	9.54E-10
4876	562724.9	4235192	5.72E-09	5.10E-09	1.08E-08	9.70E-10	8.18E-10	1.79E-09	4.62E-09	3.74E-09	8.36E-09	7.56E-10	7.25E-10	1.48E-09	5.65E-10	3.70E-10	9.35E-10
4877	562718.2	4235185	5.61E-09	5.00E-09	1.06E-08	9.51E-10	8.02E-10	1.75E-09	4.53E-09	3.67E-09	8.20E-09	7.41E-10	7.11E-10	1.45E-09	5.54E-10	3.63E-10	9.17E-10
4878	562711.4	4235179	5.50E-09	4.91E-09	1.04E-08	9.34E-10	7.87E-10	1.72E-09	4.44E-09	3.60E-09	8.04E-09	7.28E-10	6.98E-10	1.43E-09	5.43E-10	3.57E-10	9.00E-10
4879	562704.6	4235172	5.41E-09	4.82E-09	1.02E-08	9.17E-10	7.73E-10	1.69E-09	4.36E-09	3.54E-09	7.90E-09	7.15E-10	6.86E-10	1.40E-09	5.34E-10	3.50E-10	8.84E-10
4880	562697.9	4235165	5.31E-09	4.74E-09	1.01E-08	9.01E-10	7.60E-10	1.66E-09	4.29E-09	3.48E-09	7.77E-09	7.03E-10	6.74E-10	1.38E-09	5.25E-10	3.44E-10	8.69E-10
4881	562691.1	4235158	5.22E-09	4.66E-09	9.88E-09	8.86E-10	7.47E-10	1.63E-09	4.22E-09	3.42E-09	7.64E-09	6.91E-10	6.63E-10	1.35E-09	5.16E-10	3.39E-10	8.55E-10
4882	562684.3	4235152	5.14E-09	4.59E-09	9.73E-09	8.72E-10	7.35E-10	1.61E-09	4.15E-09	3.36E-09	7.51E-09	6.80E-10	6.52E-10	1.33E-09	5.08E-10	3.33E-10	8.41E-10
4883	562677.6	4235145	5.06E-09	4.51E-09	9.57E-09	8.58E-10	7.24E-10	1.58E-09	4.09E-09	3.31E-09	7.40E-09	6.69E-10	6.42E-10	1.31E-09	5.00E-10	3.28E-10	8.28E-10
4884	562670.8	4235138	4.98E-09	4.44E-09	9.43E-09	8.45E-10	7.13E-10	1.56E-09	4.02E-09	3.26E-09	7.28E-09	6.59E-10	6.32E-10	1.29E-09	4.92E-10	3.23E-10	8.15E-10
4885	562664.1	4235131	4.91E-09	4.38E-09	9.29E-09	8.33E-10	7.02E-10	1.53E-09	3.96E-09	3.21E-09	7.17E-09	6.49E-10	6.23E-10	1.27E-09	4.85E-10	3.18E-10	8.03E-10
4886	562657.3	4235125	4.84E-09	4.31E-09	9.15E-09	8.21E-10	6.92E-10	1.51E-09	3.91E-09	3.17E-09	7.07E-09	6.40E-10	6.14E-10	1.25E-09	4.78E-10	3.13E-10	7.91E-10
4887	562650.5	4235118	4.77E-09	4.25E-09	9.02E-09	8.09E-10	6.82E-10	1.49E-09	3.85E-09	3.12E-09	6.97E-09	6.31E-10	6.05E-10	1.24E-09	4.71E-10	3.09E-10	7.80E-10
4888	562643.8	4235111	4.70E-09	4.20E-09	8.90E-09	7.98E-10	6.73E-10	1.47E-09	3.80E-09	3.08E-09	6.87E-09	6.22E-10	5.97E-10	1.22E-09	4.64E-10	3.05E-10	7.69E-10
4889	562637	4235104	4.64E-09	4.14E-09	8.78E-09	7.87E-10	6.64E-10	1.45E-09	3.75E-09	3.04E-09	6.78E-09	6.14E-10	5.89E-10	1.20E-09	4.58E-10	3.01E-10	7.59E-10
4890	562628.3	4235088	4.60E-09	4.10E-09	8.70E-09	7.80E-10	6.57E-10	1.44E-09	3.71E-09	3.01E-09	6.72E-09	6.08E-10	5.83E-10	1.19E-09	4.54E-10	2.98E-10	7.52E-10
4891	562626.4	4235079	4.62E-09	4.12E-09	8.73E-09	7.83E-10	6.60E-10	1.44E-09	3.73E-09	3.02E-09	6.75E-09	6.10E-10	5.86E-10	1.20E-09	4.56E-10	2.99E-10	7.55E-10
4892	562624.4	4235070	4.64E-09	4.14E-09	8.78E-09	7.87E-10	6.64E-10	1.45E-09	3.75E-09	3.04E-09	6.78E-09	6.14E-10	5.89E-10	1.20E-09	4.58E-10	3.01E-10	7.59E-10
4893	562622.5	4235060	4.67E-09	4.17E-09	8.84E-09	7.93E-10	6.68E-10	1.46E-09	3.77E-09	3.06E-09	6.83E-09	6.18E-10	5.93E-10	1.21E-09	4.61E-10	3.03E-10	7.64E-10
4894	562620.5	4235051	4.71E-09	4.20E-09	8.92E-09	8.00E-10	6.74E-10	1.47E-09	3.81E-09	3.08E-09	6.89E-09	6.23E-10	5.98E-10	1.22E-09	4.65E-10	3.05E-10	7.71E-10
4895	562618.6	4235041	4.76E-09	4.25E-09	9.01E-09	8.08E-10	6.81E-10	1.49E-09	3.85E-09	3.12E-09	6.96E-09	6.30E-10	6.04E-10	1.23E-09	4.70E-10	3.09E-10	7.79E-10
4896	562616.6	4235032	4.83E-09	4.31E-09	9.13E-09	8.19E-10	6.90E-10	1.51E-09	3.90E-09	3.16E-09	7.05E-09	6.38E-10	6.12E-10	1.25E-09	4.77E-10	3.13E-10	7.89E-10
4897	562614.7	4235023	4.90E-09	4.37E-09	9.27E-09	8.32E-10	7.01E-10	1.53E-09	3.96E-09	3.21E-09	7.16E-09	6.48E-10	6.22E-10	1.27E-09	4.84E-10	3.18E-10	8.02E-10
4898	562612.8	4235013	4.99E-09	4.45E-09	9.44E-09	8.47E-10	7.14E-10	1.56E-09	4.03E-09	3.27E-09	7.30E-09	6.60E-10	6.33E-10	1.29E-09	4.93E-10	3.23E-10	8.16E-10
4899	562610.8	4235004	5.10E-09	4.55E-09	9.64E-09	8.65E-10	7.29E-10	1.59E-09	4.11E-09	3.34E-09	7.45E-09	6.74E-10	6.47E-10	1.32E-09	5.03E-10	3.30E-10	8.34E-10
4900	562608.9	4234995	5.22E-09	4.66E-09	9.87E-09	8.86E-10	7.46E-10	1.63E-09	4.21E-09	3.42E-09	7.63E-09	6.90E-10	6.62E-10	1.35E-09	5.15E-10	3.38E-10	8.54E-10
4901	562606.9	4234985	5.36E-09	4.78E-09	1.01E-08	9.10E-10	7.67E-10	1.68E-09	4.33E-09	3.51E-09	7.84E-09	7.09E-10	6.80E-10	1.39E-09	5.29E-10	3.47E-10	8.77E-10
4902	562605	4234976	5.52E-09	4.93E-09	1.04E-08	9.37E-10	7.90E-10	1.73E-09	4.46E-09	3.61E-09	8.07E-09	7.30E-10	7.01E-10	1.43E-09	5.45E-10	3.58E-10	9.03E-10
4903	562603.1	4234967	5.70E-09	5.09E-09	1.08E-08	9.68E-10	8.16E-10	1.78E-09	4.60E-09	3.73E-09	8.34E-09	7.54E-10	7.24E-10	1.48E-09	5.63E-10	3.70E-10	9.33E-10
4904	562601.1	4234957	5.91E-09	5.27E-09	1.12E-08	1.00E-09	8.45E-10	1.85E-09	4.77E-09	3.87E-09	8.63E-09	7.81E-10	7.50E-10	1.53E-09	5.83E-10	3.83E-10	9.66E-10
4905	562599.2	4234948	6.13E-09	5.47E-09	1.16E-08	1.04E-09	8.77E-10	1.92E-09	4.95E-09	4.01E-09	8.97E-09	8.11E-10	7.78E-10	1.59E-09	6.06E-10	3.98E-10	1.00E-09
4906	562597.2	4234939	6.39E-09	5.70E-09	1.21E-08	1.08E-09	9.13E-10	2.00E-09	5.16E-09	4.18E-09	9.34E-09	8.45E-10	8.10E-10	1.65E-09	6.31E-10	4.14E-10	1.04E-09
4907	562595.3	4234929	6.66E-09	5.95E-09	1.26E-08	1.13E-09	9.53E-10	2.08E-09	5.38E-09	4.36E-09	9.74E-09	8.81E-10	8.46E-10	1.73E-09	6.58E-10	4.32E-10	1.09E-09
4908	562593.3	4234920	6.97E-09	6.22E-09	1.32E-08	1.18E-09	9.97E-10	2.18E-09	5.63E-09	4.56E-09	1.02E-08	9.22E-10	8.84E-10	1.81E-09	6.88E-10	4.52E-10	1.14E-09
4909	562591.4	4234910	7.31E-09	6.52E-09	1.38E-08	1.24E-09	1.04E-09	2.28E-09	5.90E-09	4.78E-09	1.07E-08	9.66E-10	9.27E-10	1.89E-09	7.21E-10	4.73E-10	1.19E-09
4910	562589.5	4234901	7.67E-09	6.84E-09	1.45E-08	1.30E-09	1.10E-09	2.40E-09	6.19E-09	5.02E-09	1.12E-08	1.01E-09	9.73E-10	1.99E-09	7.58E-10	4.97E-10	1.25E-09

4911	562587.5	4234892	8.07E-09	7.20E-09	1.53E-08	1.37E-09	1.15E-09	2.52E-09	6.51E-09	5.28E-09	1.18E-08	1.07E-09	1.02E-09	2.09E-09	7.97E-10	5.23E-10	1.32E-09
4912	562585.6	4234882	8.50E-09	7.58E-09	1.61E-08	1.44E-09	1.22E-09	2.66E-09	6.86E-09	5.56E-09	1.24E-08	1.12E-09	1.08E-09	2.20E-09	8.39E-10	5.51E-10	1.39E-09
4913	562583.6	4234873	8.96E-09	7.99E-09	1.70E-08	1.52E-09	1.28E-09	2.80E-09	7.24E-09	5.86E-09	1.31E-08	1.19E-09	1.14E-09	2.32E-09	8.85E-10	5.81E-10	1.47E-09
4914	562581.7	4234864	9.46E-09	8.44E-09	1.79E-08	1.61E-09	1.35E-09	2.96E-09	7.64E-09	6.19E-09	1.38E-08	1.25E-09	1.20E-09	2.45E-09	9.34E-10	6.13E-10	1.55E-09
4915	562579.8	4234854	9.99E-09	8.91E-09	1.89E-08	1.69E-09	1.43E-09	3.12E-09	8.07E-09	6.54E-09	1.46E-08	1.32E-09	1.27E-09	2.59E-09	9.87E-10	6.47E-10	1.63E-09
4916	562577.8	4234845	1.05E-08	9.39E-09	1.99E-08	1.79E-09	1.51E-09	3.29E-09	8.50E-09	6.89E-09	1.54E-08	1.39E-09	1.34E-09	2.73E-09	1.04E-09	6.83E-10	1.72E-09
4917	562575.9	4234836	1.10E-08	9.79E-09	2.08E-08	1.86E-09	1.57E-09	3.43E-09	8.86E-09	7.18E-09	1.60E-08	1.45E-09	1.39E-09	2.85E-09	1.08E-09	7.12E-10	1.80E-09
4918	562573.9	4234826	1.14E-08	1.02E-08	2.16E-08	1.94E-09	1.64E-09	3.58E-09	9.24E-09	7.49E-09	1.67E-08	1.51E-09	1.45E-09	2.96E-09	1.13E-09	7.41E-10	1.87E-09
4919	562833.1	4235300	8.35E-09	7.45E-09	1.58E-08	1.42E-09	1.19E-09	2.61E-09	6.74E-09	5.46E-09	1.22E-08	1.10E-09	1.06E-09	2.16E-09	8.24E-10	5.41E-10	1.37E-09
4920	562841.6	4235305	8.60E-09	7.67E-09	1.63E-08	1.46E-09	1.23E-09	2.69E-09	6.95E-09	5.63E-09	1.26E-08	1.14E-09	1.09E-09	2.23E-09	8.49E-10	5.57E-10	1.41E-09
4921	562850	4235309	8.86E-09	7.90E-09	1.68E-08	1.50E-09	1.27E-09	2.77E-09	7.15E-09	5.80E-09	1.29E-08	1.17E-09	1.12E-09	2.29E-09	8.75E-10	5.74E-10	1.45E-09
4922	562858.5	4235314	9.15E-09	8.16E-09	1.73E-08	1.55E-09	1.31E-09	2.86E-09	7.39E-09	5.99E-09	1.34E-08	1.21E-09	1.16E-09	2.37E-09	9.03E-10	5.93E-10	1.50E-09
4923	562866.9	4235318	9.47E-09	8.45E-09	1.79E-08	1.61E-09	1.35E-09	2.96E-09	7.65E-09	6.20E-09	1.38E-08	1.25E-09	1.20E-09	2.45E-09	9.35E-10	6.14E-10	1.55E-09
4924	562875.4	4235323	9.80E-09	8.74E-09	1.85E-08	1.66E-09	1.40E-09	3.06E-09	7.91E-09	6.41E-09	1.43E-08	1.30E-09	1.24E-09	2.54E-09	9.67E-10	6.35E-10	1.60E-09
4925	562883.8	4235327	1.01E-08	9.03E-09	1.92E-08	1.72E-09	1.45E-09	3.17E-09	8.17E-09	6.62E-09	1.48E-08	1.34E-09	1.28E-09	2.62E-09	1.00E-09	6.56E-10	1.66E-09
4926	562892.3	4235332	1.04E-08	9.27E-09	1.97E-08	1.76E-09	1.49E-09	3.25E-09	8.39E-09	6.80E-09	1.52E-08	1.37E-09	1.32E-09	2.69E-09	1.03E-09	6.74E-10	1.70E-09
4927	562900.7	4235337	1.07E-08	9.51E-09	2.02E-08	1.81E-09	1.53E-09	3.33E-09	8.61E-09	6.98E-09	1.56E-08	1.41E-09	1.35E-09	2.76E-09	1.05E-09	6.91E-10	1.74E-09
4928	562909.2	4235341	1.09E-08	9.76E-09	2.07E-08	1.86E-09	1.56E-09	3.42E-09	8.83E-09	7.16E-09	1.60E-08	1.45E-09	1.39E-09	2.83E-09	1.08E-09	7.09E-10	1.79E-09
4929	562917.6	4235346	1.12E-08	1.00E-08	2.12E-08	1.90E-09	1.60E-09	3.51E-09	9.06E-09	7.34E-09	1.64E-08	1.48E-09	1.42E-09	2.91E-09	1.11E-09	7.27E-10	1.83E-09
4930	562926.1	4235350	1.15E-08	1.03E-08	2.18E-08	1.95E-09	1.64E-09	3.60E-09	9.29E-09	7.53E-09	1.68E-08	1.52E-09	1.46E-09	2.98E-09	1.14E-09	7.45E-10	1.88E-09
4931	562934.6	4235355	1.18E-08	1.05E-08	2.23E-08	2.00E-09	1.69E-09	3.69E-09	9.52E-09	7.72E-09	1.72E-08	1.56E-09	1.50E-09	3.06E-09	1.16E-09	7.64E-10	1.93E-09
4932	562943	4235359	1.21E-08	1.08E-08	2.29E-08	2.05E-09	1.73E-09	3.78E-09	9.76E-09	7.91E-09	1.77E-08	1.60E-09	1.53E-09	3.13E-09	1.19E-09	7.83E-10	1.98E-09
4933	562951.5	4235364	1.24E-08	1.10E-08	2.34E-08	2.10E-09	1.77E-09	3.87E-09	9.99E-09	8.10E-09	1.81E-08	1.64E-09	1.57E-09	3.21E-09	1.22E-09	8.02E-10	2.02E-09
4934	562959.9	4235368	1.27E-08	1.13E-08	2.40E-08	2.15E-09	1.81E-09	3.96E-09	1.02E-08	8.29E-09	1.85E-08	1.68E-09	1.61E-09	3.28E-09	1.25E-09	8.21E-10	2.07E-09
4935	562968.4	4235373	1.30E-08	1.16E-08	2.45E-08	2.20E-09	1.86E-09	4.06E-09	1.05E-08	8.49E-09	1.90E-08	1.72E-09	1.65E-09	3.36E-09	1.28E-09	8.41E-10	2.12E-09
4936	562976.8	4235378	1.33E-08	1.18E-08	2.51E-08	2.25E-09	1.90E-09	4.15E-09	1.07E-08	8.68E-09	1.94E-08	1.75E-09	1.68E-09	3.44E-09	1.31E-09	8.60E-10	2.17E-09
4937	562985.3	4235382	1.36E-08	1.21E-08	2.56E-08	2.30E-09	1.94E-09	4.24E-09	1.09E-08	8.87E-09	1.98E-08	1.79E-09	1.72E-09	3.51E-09	1.34E-09	8.78E-10	2.22E-09
4938	562993.7	4235387	1.38E-08	1.23E-08	2.62E-08	2.35E-09	1.98E-09	4.32E-09	1.12E-08	9.05E-09	2.02E-08	1.83E-09	1.75E-09	3.58E-09	1.37E-09	8.96E-10	2.26E-09
4939	563002.2	4235391	1.41E-08	1.26E-08	2.67E-08	2.39E-09	2.02E-09	4.41E-09	1.14E-08	9.22E-09	2.06E-08	1.86E-09	1.79E-09	3.65E-09	1.39E-09	9.14E-10	2.31E-09
4940	563010.6	4235396	1.43E-08	1.28E-08	2.71E-08	2.43E-09	2.05E-09	4.49E-09	1.16E-08	9.39E-09	2.10E-08	1.90E-09	1.82E-09	3.72E-09	1.42E-09	9.30E-10	2.35E-09
4941	562807.5	4235329	7.44E-09	6.64E-09	1.41E-08	1.26E-09	1.06E-09	2.33E-09	6.01E-09	4.87E-09	1.09E-08	9.85E-10	9.45E-10	1.93E-09	7.35E-10	4.82E-10	1.22E-09
4942	562800.9	4235322	7.29E-09	6.50E-09	1.38E-08	1.24E-09	1.04E-09	2.28E-09	5.88E-09	4.77E-09	1.07E-08	9.64E-10	9.25E-10	1.89E-09	7.20E-10	4.72E-10	1.19E-09
4943	562794.3	4235316	7.13E-09	6.36E-09	1.35E-08	1.21E-09	1.02E-09	2.23E-09	5.75E-09	4.66E-09	1.04E-08	9.42E-10	9.04E-10	1.85E-09	7.04E-10	4.62E-10	1.17E-09
4944	562787.6	4235309	6.97E-09	6.21E-09	1.32E-08	1.18E-09	9.96E-10	2.18E-09	5.62E-09	4.56E-09	1.02E-08	9.21E-10	8.84E-10	1.81E-09	6.88E-10	4.51E-10	1.14E-09
4945	562781	4235302	6.81E-09	6.07E-09	1.29E-08	1.15E-09	9.73E-10	2.13E-09	5.49E-09	4.45E-09	9.95E-09	9.00E-10	8.63E-10	1.76E-09	6.72E-10	4.41E-10	1.11E-09
4946	562774.3	4235296	6.65E-09	5.93E-09	1.26E-08	1.13E-09	9.50E-10	2.08E-09	5.37E-09	4.35E-09	9.71E-09	8.79E-10	8.43E-10	1.72E-09	6.56E-10	4.31E-10	1.09E-09
4947	562767.7	4235289	6.49E-09	5.79E-09	1.23E-08	1.10E-09	9.28E-10	2.03E-09	5.24E-09	4.25E-09	9.49E-09	8.58E-10	8.23E-10	1.68E-09	6.41E-10	4.21E-10	1.06E-09
4948	562761.1	4235282	6.34E-09	5.65E-09	1.20E-08	1.07E-09	9.06E-10	1.98E-09	5.12E-09	4.15E-09	9.26E-09	8.38E-10	8.04E-10	1.64E-09	6.26E-10	4.11E-10	1.04E-09
4949	562754.4	4235276	6.19E-09	5.52E-09	1.17E-08	1.05E-09	8.85E-10	1.93E-09	4.99E-09	4.05E-09	9.04E-09	8.18E-10	7.85E-10	1.60E-09	6.11E-10	4.01E-10	1.01E-09
4950	562747.8	4235269	6.04E-09	5.39E-09	1.14E-08	1.03E-09	8.64E-10	1.89E-09	4.88E-09	3.95E-09	8.83E-09	7.99E-10	7.67E-10	1.57E-09	5.97E-10	3.92E-10	9.88E-10
4951	562741.1	4235262	5.90E-09	5.27E-09	1.12E-08	1.00E-09	8.44E-10	1.85E-09	4.77E-09	3.86E-09	8.63E-09	7.81E-10	7.49E-10	1.53E-09	5.83E-10	3.83E-10	9.66E-10
4952	562734.5	4235256	5.77E-09	5.15E-09	1.09E-08	9.79E-10	8.25E-10	1.80E-09	4.66E-09	3.78E-09	8.44E-09	7.63E-10	7.32E-10	1.50E-09	5.70E-10	3.74E-10	9.44E-10
4953	562727.9	4235249	5.65E-09	5.04E-09	1.07E-08	9.58E-10	8.08E-10	1.77E-09	4.56E-09	3.70E-09	8.25E-09	7.47E-10	7.17E-10	1.46E-09	5.58E-10	3.66E-10	9.24E-10
4954	562721.2	4235243	5.53E-09	4.93E-09	1.05E-08	9.38E-10	7.91E-10	1.73E-09	4.46E-09	3.62E-09	8.08E-09	7.31E-10	7.01E-10	1.43E-09	5.46E-10	3.58E-10	9.04E-10
4955	562714.6	4235236	5.42E-09	4.83E-09	1.02E-08	9.19E-10	7.75E-10	1.69E-09	4.37E-09	3.54E-09	7.92E-09	7.16E-10	6.87E-10	1.40E-09	5.35E-10	3.51E-10	8.86E-10
4956	562707.9	4235229	5.31E-09	4.74E-09	1.00E-08	9.01E-10	7.60E-10	1.66E-09	4.29E-09	3.48E-09	7.76E-09	7.02E-10	6.74E-10	1.38E-09	5.25E-10	3.44E-10	8.69E-10
4957	562701.3	4235223	5.21E-09	4.65E-09	9.86E-09	8.84E-10	7.45E-10	1.63E-09	4.21E-09	3.41E-09	7.62E-09	6.89E-10	6.61E-10	1.35E-09	5.15E-10	3.38E-10	8.53E-10
4958	562694.7	4235216	5.12E-09	4.57E-09	9.69E-09	8.69E-10	7.32E-10	1.60E-09	4.13E-09	3.35E-09	7.48E-09	6.77E-10	6.50E-10	1.33E-09	5.06E-10	3.32E-10	8.37E-10
4959	562688	4235209	5.03E-09	4.49E-09	9.52E-09	8.54E-10	7.20E-10	1.57E-09	4.06E-09	3.29E-09	7.35E-09	6.65E-10	6.38E-10	1.30E-09	4.97E-10	3.26E-10	8.23E-10
4960	562681.4	4235203	4.95E-09	4.41E-09	9.36E-09	8.40E-10	7.08E-10	1.55E-09	4.00E-09	3.24E-09	7.23E-09	6.54E-10	6.28E-10	1.28E-09	4.89E-10	3.21E-10	8.09E-10
4961	562674.7	4235196	4.87E-09	4.34E-09	9.21E-09	8.26E-10	6.96E-10	1.52E-09	3.93E-09	3.19E-09	7.12E-09	6.44E-10	6.18E-10	1.26E-09	4.81E-10	3.16E-10	7.97E-10
4962	562668.1	4235190	4.80E-09	4.28E-09	9.07E-09	8.14E-10	6.86E-10	1.50E-09	3.87E-09	3.14E-09	7.01E-09	6.34E-10	6.08E-10	1.24E-09	4.74E-10	3.11E-10	7.84E-10
4963	562661.5	4235183	4.72E-09	4.21E-09	8.94E-09	8.01E-10	6.75E-10	1.48E-09	3.81E-09	3.09E-09	6.90E-09	6.25E-10	5.99E-10	1.22E-09	4.66E-10	3.06E-10	7.73E-10
4964	562654.8	4235176	4.65E-09	4.15E-09	8.81E-09	7.90E-10	6.66E-10	1.46E-09	3.76E-09	3.05E-09	6.80E-09	6.15E-10	5.91E-10	1.21E-09	4.60E-10	3.02E-10	7.61E-10
4965	562648.2	4235170	4.59E-09	4.09E-09	8.68E-09	7.78E-10	6.56E-10	1.43E-09	3.70E-09	3.00E-09	6.71E-09	6.07E-10	5.82E-10	1.19E-09	4.53E-10	2.97E-10	7.50E-10
4966	562641.5	4235163	4.52E-09	4.04E-09	8.56E-09	7.67E-10	6.47E-10	1.41E-09	3.65E-09	2.96E-09	6.61E-09	5.98E-10	5.74E-10	1.17E-09	4.47E-10	2.93E-10	7.40E-10
4967	562634.9	4235156	4.46E-09	3.98E-09	8.44E-09	7.57E-10	6.38E-10	1.39E-09	3.60E-09	2.92E-09	6.52E-09	5.90E-10	5.66E-10	1.16E-09	4.41E-10	2.89E-10	7.30E-10
4968	562628.3	4235150	4.40E-09	3.92E-09	8.32E-09	7.47E-10	6.29E-10	1.38E-09	3.55E-09	2.88E-09	6.43E-09	5.82E-10	5.58E-10	1.14E-09	4.35E-10	2.85E-10	7.20E-10
4969	562621.6	4235143	4.34E-09	3.87E-09	8.21E-09	7.37E-10	6.21E-10	1.36E-09	3.50E-09	2.84E-09	6.35E-09	5.74E-10	5.51E-10	1.12E-09	4.29E-10	2.81E-10	7.10E-10
4970	562615	4235137	4.28E-09	3.82E-09	8.10E-09	7.27E-10	6.13E-10	1.34E-09	3.46E-09	2.80E-09	6.26E-09	5.66E-10	5.44E-10	1.11E-09	4.23E-10	2.78E-10	7.01E-10
4971	562608.3	4235130	4.23E-09	3.77E-09	8.00E-09	7.17E-10	6.05E-10	1.32E-09	3.41E-09	2.77E-09	6.18E-09	5.59E-10	5.36E-10	1.10E-09	4.18E-10	2.74E-10	6.92E-10
4972	562601.7	4235123	4.17E-09	3.72E-09	7.90E-09	7.08E-10	5.97E-10	1.31E-09	3.37E-09	2.73E-09	6.10E-09	5.52E-10	5.30E-10	1.08E-09	4.12E-10	2.71E-10	6.83E-10
4973	562593.1	4235107	4.13E-09	3.69E-09	7.82E-09	7.01E-10	5.91E-10	1.29E-09	3.34E-09	2.70E-09	6.04E-09	5.46E-10	5.24E-10	1.07E-09	4.08E-10	2.68E-10	6.76E-10
4974	562591.2	4235098	4.14E-09	3.70E-09	7.84E-09	7.03E-10	5.93E-10	1.30E-09	3.35E-09	2.71E-09	6.06E-09	5.48E-10	5.26E-10	1.07E-09	4.09E-10	2.69E-10	6.78E-10
4975	562589.3	4235089	4.16E-09	3.71E-09	7.87E-09	7.06E-10	5.95E-10	1.30E-09	3.36E-09	2.72E-09	6.08E-09	5.50E-10	5.28E-10	1.08E-09	4.11E-10	2.70E-10	6.80E-10
4976	562587.4	4235080	4.18E-09	3.73E-09	7.91E-09	7.10E-10	5.98E-10	1.31E-09	3.38E-09	2.74E-09	6.11E-09	5.53E-10	5.31E-10	1.08E-09	4.13E-10	2.71E-10	6.84E-10
4977	562585.5	4235071	4.21E-09	3.75E-09	7.96E-09	7.14E-10	6.02E-10	1.32E-09	3.40E-09	2.75E-09	6.15E-09	5.57E-10	5.34E-10	1.09E-09	4.16E-10	2.73E-10	6.88E-10
4978	562583.6	4235061	4.24E-09	3.79E-09	8.03E-09	7.20E-10	6.07E-10	1.33E-09	3.43E-09	2.78E-09	6.20E-09	5.61E-10	5.38E-10	1.10E-09	4.19E-10	2.75E-10	6.94E-10
4979	562581.7	4235052	4.29E-09	3.82E-09	8.11E-09	7.27E-10	6.13E-10	1.34E-09	3.46E-09	2.80E-09	6.27E-09	5.67E-10	5.44E-10	1.11E-09	4.23E-10	2.78E-10	7.01E-10
4980	562579.8	4235043	4.34E-09	3.87E-09	8.21E-09	7.36E-10	6.20E-10	1.36E-09	3.50E-09	2.84E-09	6.34E-09	5.74E-10	5.50E-10	1.12E-09	4.28E-10	2.81E-10	7.10E-10
4981	562577.9	4235034	4.40E-09	3.93E-09	8.33E-09	7.47E-10	6.29E-10	1.38E-09	3.55E-09	2.88E-09	6.43E-09	5.82E-10	5.58E-10	1.14E-09	4.35E-10	2.85E-10	7.20E-10
4982	562576	4235025	4.48E-09	3.99E-09	8.47E-09	7.59E-10	6.40E-10	1.40E-09	3.61E-09	2.93E-09	6.54E-09	5.92E-10	5.68E-10	1.16E-09	4.42E-10	2.90E-10	7.32E-10
4983	562574.1	4235016	4.56E-09	4.07E-09	8.63E-09	7.74E-10	6.53E-10	1.43E-09	3.68E-09	2.99E-09	6.67E-09	6.03E-10	5.79E-10	1.18E-09	4.51E-10	2.96E-10	7.46E-10
4984	562572.2	4235006	4.66E-09	4.16E-09	8.83E-09	7.91E-10	6.67E-10	1.46E-09	3.77E-09	3.05E-09	6.82E-09	6.17E-10	5.92E-10	1.21E-09	4.61E-10	3.02E-10	7.63E-10
4985	562570.3	4234997	4.78E-09	4.26E-09	9.04E-09	8.11E-10	6.84E-10	1.49E-09	3.86E-09	3.13E-09	6.99E-09	6.32E-10	6.07E-10	1.24E-09	4.72E-10	3.10E-10	7.82E-10
4986	562568.4	4234988	4.91E-09	4.38E-09	9.29E-09	8.34E-10	7.03E-10	1.54E-09	3.97E-09	3.21E-09	7.18E-09	6.50E-10	6.23E-10	1.27E-09	4.85E-10	3.18E-10	8.03E-10
4987	562566.5	4234979	5.06E-09	4.51E-09	9.57E-09	8.59E-10	7.24E-10	1.58E-09	4.09E-09	3.31E-09	7.40E-09	6.69E-10	6.42E-10	1.31E-09	5.00E-10	3.28E-10	8.28E-10
4988	562564.5	4234970	5.23E-09	4.66E-09	9.89E-09	8.87E-10	7.47E-10	1.63E-09	4.22E-09	3.42E-09	7.64E-09	6.91E-10	6.63E-10	1.35E-09	5.16E-10	3.39E-10	8.55E-10
4989	562562.6	4234960	5.41E-09	4.83E-09	1.02E-08	9.18E-10	7.74E-10	1.69E-09	4.37E-09	3.54E-09	7.91E-09	7.15E-10	6.86E-10	1.40E-09	5.34E-10	3.51E-10	8.85E-10
4990	562560.7	4234951	5.61E-09	5.01E-09	1.06E-08	9.52E-10	8.03E-10	1.76E-09	4.53E-09	3.67E-09	8.20E-09	7.42E-10	7.12E-10	1.45E-09	5.54E-10	3.64E-10	9.18E-10
4991	562558.8	4234942	5.84E-09	5.21E-09	1.10E-08	9.90E-10	8.35E-10	1.82E-09	4.71E-09	3.82E-09	8.53E-09	7.72E-10	7.40E-10	1.51E-09	5.76E-10	3.78E-10	9.55E-10
4992	562556.9	4234933	6.08E-09	5.42E-09	1.15E-08	1.03E-09	8.70E-10	1.90E-09	4.91E-09	3.98E-09	8.89E-09	8.04E-10	7.71E-10	1.58E-09	6.00E-10	3.94E-10	9.94E-10
4993	562555	4234924	6.35E-09	5.66E-09	1.20E-08	1.08E-09	9.08E-10	1.98E-09	5.12E-09	4.15E-09	9.28E-09	8.39E-10	8.05E-10	1.64E-09	6.27E-10	4.11E-10	1.04E-09
4994	562553.1	4234914	6.64E-09	5.92E-09	1.26E-08	1.13E-09	9.49E-10	2.08E-09	5.36E-09	4.34E-09	9.70E-09	8.78E-10	8.42E-10	1.72E-09	6.55E-10	4.30E-10	1.09E-09
4995	562551.2	4234905	6.95E-09	6.20E-09	1.32E-08	1.18E-09	9.94E-10	2.17E-09	5.61E-09	4.55E-09	1.02E-08	9.19E-10	8.82E-10	1.80E-09	6.86E-10	4.50E-10	1.14E-09
4996	562549.3	4234896	7.29E-09	6.50E-09	1.38E-08	1.24E-09	1.04E-09	2.28E-09	5.89E-09	4.77E-09	1.07E-08	9.64E-10	9.25E-10	1.89E-09	7.20E-10	4.72E-10	1.19E-09
4997	562547.4	4234887	7.66E-09	6.83E-09	1.45E-08	1.30E-09	1.09E-09	2.39E-09	6.18E-09	5.01E-09	1.12E-08	1.01E-09	9.71E-10	1.98E-09	7.56E-10	4.96E-10	1.25E-09
4998	562545.5	4234878	8.05E-09	7.18E-09	1.52E-08	1.37E-09	1.15E-09	2.52E-09	6.50E-09	5.27E-09	1.18E-08	1.06E-09	1.02E-09	2.09E-09	7.95E-10	5.22E-10	1.32E-09
4999	562543.6	4234869	8.44E-09	7.53E-09	1.60E-08	1.43E-09	1.21E-09	2.64E-09	6.82E-09	5.52E-09	1.23E-08	1.12E-09	1.07E-09	2.19E-09	8.34E-10	5.47E-10	1.38E-09
5000	562541.7	4234859	8.84E-09	7.88E-09	1.67E-08	1.50E-09	1.26E-09	2.76E-09	7.14E-09	5.78E-09	1.29E-08	1.17E-09	1.12E-09	2.29E-09	8.73E-10	5.73E-10	1.45E-09
5001	562539.8	4234850	9.24E-09	8.24E-09	1.75E-08	1.57E-09	1.32E-09	2.89E-09	7.46E-09	6.05E-09	1.35E-08	1.22E-09	1.17E-09	2.39E-09	9.13E-10	5.99E-10	1.51E-09

5002	562537.9	4234841	9.65E-09	8.61E-09	1.83E-08	1.64E-09	1.38E-09	3.02E-09	7.79E-09	6.32E-09	1.41E-08	1.28E-09	1.22E-09	2.50E-09	9.53E-10	6.26E-10	1.58E-09
5003	562536	4234832	1.01E-08	9.00E-09	1.91E-08	1.71E-09	1.44E-09	3.16E-09	8.15E-09	6.60E-09	1.48E-08	1.33E-09	1.28E-09	2.62E-09	9.97E-10	6.54E-10	1.65E-09
5004	562534	4234823	1.06E-08	9.42E-09	2.00E-08	1.79E-09	1.51E-09	3.30E-09	8.53E-09	6.91E-09	1.54E-08	1.40E-09	1.34E-09	2.74E-09	1.04E-09	6.84E-10	1.73E-09
5005	562814.2	4235335	7.60E-09	6.78E-09	1.44E-08	1.29E-09	1.09E-09	2.38E-09	6.14E-09	4.97E-09	1.11E-08	1.01E-09	9.64E-10	1.97E-09	7.51E-10	4.93E-10	1.24E-09
5006	562822.6	4235340	7.82E-09	6.97E-09	1.48E-08	1.33E-09	1.12E-09	2.44E-09	6.31E-09	5.11E-09	1.14E-08	1.03E-09	9.92E-10	2.03E-09	7.72E-10	5.07E-10	1.28E-09
5007	562831.1	4235344	8.03E-09	7.16E-09	1.52E-08	1.36E-09	1.15E-09	2.51E-09	6.48E-09	5.26E-09	1.17E-08	1.06E-09	1.02E-09	2.08E-09	7.93E-10	5.20E-10	1.31E-09
5008	562839.5	4235349	8.25E-09	7.36E-09	1.56E-08	1.40E-09	1.18E-09	2.58E-09	6.66E-09	5.40E-09	1.21E-08	1.09E-09	1.05E-09	2.14E-09	8.14E-10	5.34E-10	1.35E-09
5009	562848	4235354	8.46E-09	7.55E-09	1.60E-08	1.44E-09	1.21E-09	2.65E-09	6.83E-09	5.54E-09	1.24E-08	1.12E-09	1.07E-09	2.19E-09	8.36E-10	5.48E-10	1.38E-09
5010	562856.4	4235358	8.70E-09	7.76E-09	1.65E-08	1.48E-09	1.24E-09	2.72E-09	7.02E-09	5.69E-09	1.27E-08	1.15E-09	1.10E-09	2.25E-09	8.59E-10	5.64E-10	1.42E-09
5011	562864.9	4235363	8.97E-09	8.00E-09	1.70E-08	1.52E-09	1.28E-09	2.80E-09	7.24E-09	5.87E-09	1.31E-08	1.19E-09	1.14E-09	2.32E-09	8.86E-10	5.81E-10	1.47E-09
5012	562873.3	4235367	9.25E-09	8.25E-09	1.75E-08	1.57E-09	1.32E-09	2.89E-09	7.47E-09	6.05E-09	1.35E-08	1.22E-09	1.17E-09	2.40E-09	9.13E-10	5.99E-10	1.51E-09
5013	562881.8	4235372	9.53E-09	8.50E-09	1.80E-08	1.62E-09	1.36E-09	2.98E-09	7.69E-09	6.23E-09	1.39E-08	1.26E-09	1.21E-09	2.47E-09	9.41E-10	6.17E-10	1.56E-09
5014	562890.2	4235376	9.76E-09	8.71E-09	1.85E-08	1.66E-09	1.40E-09	3.05E-09	7.88E-09	6.39E-09	1.43E-08	1.29E-09	1.24E-09	2.53E-09	9.64E-10	6.33E-10	1.60E-09
5015	562898.7	4235381	9.99E-09	8.91E-09	1.89E-08	1.70E-09	1.43E-09	3.12E-09	8.07E-09	6.54E-09	1.46E-08	1.32E-09	1.27E-09	2.59E-09	9.87E-10	6.48E-10	1.63E-09
5016	562907.1	4235385	1.02E-08	9.12E-09	1.93E-08	1.73E-09	1.46E-09	3.20E-09	8.25E-09	6.69E-09	1.49E-08	1.35E-09	1.30E-09	2.65E-09	1.01E-09	6.63E-10	1.67E-09
5017	562915.6	4235390	1.05E-08	9.33E-09	1.98E-08	1.77E-09	1.50E-09	3.27E-09	8.45E-09	6.84E-09	1.53E-08	1.38E-09	1.33E-09	2.71E-09	1.03E-09	6.78E-10	1.71E-09
5018	562924	4235395	1.07E-08	9.55E-09	2.02E-08	1.82E-09	1.53E-09	3.35E-09	8.64E-09	7.00E-09	1.56E-08	1.42E-09	1.36E-09	2.77E-09	1.06E-09	6.93E-10	1.75E-09
5019	562932.5	4235399	1.09E-08	9.76E-09	2.07E-08	1.86E-09	1.57E-09	3.42E-09	8.84E-09	7.16E-09	1.60E-08	1.45E-09	1.39E-09	2.84E-09	1.08E-09	7.09E-10	1.79E-09
5020	562940.9	4235404	1.12E-08	9.98E-09	2.12E-08	1.90E-09	1.60E-09	3.50E-09	9.04E-09	7.32E-09	1.64E-08	1.48E-09	1.42E-09	2.90E-09	1.11E-09	7.25E-10	1.83E-09
5021	562949.4	4235408	1.14E-08	1.02E-08	2.16E-08	1.94E-09	1.64E-09	3.58E-09	9.24E-09	7.49E-09	1.67E-08	1.51E-09	1.45E-09	2.96E-09	1.13E-09	7.41E-10	1.87E-09
5022	562957.8	4235413	1.17E-08	1.04E-08	2.21E-08	1.98E-09	1.67E-09	3.65E-09	9.44E-09	7.65E-09	1.71E-08	1.55E-09	1.48E-09	3.03E-09	1.15E-09	7.57E-10	1.91E-09
5023	562966.3	4235417	1.19E-08	1.06E-08	2.26E-08	2.02E-09	1.71E-09	3.73E-09	9.64E-09	7.81E-09	1.74E-08	1.58E-09	1.51E-09	3.09E-09	1.18E-09	7.73E-10	1.95E-09
5024	562974.8	4235422	1.22E-08	1.09E-08	2.30E-08	2.07E-09	1.74E-09	3.81E-09	9.83E-09	7.97E-09	1.78E-08	1.61E-09	1.55E-09	3.16E-09	1.20E-09	7.89E-10	1.99E-09
5025	562983.2	4235426	1.24E-08	1.11E-08	2.35E-08	2.11E-09	1.78E-09	3.88E-09	1.00E-08	8.12E-09	1.81E-08	1.64E-09	1.58E-09	3.22E-09	1.23E-09	8.04E-10	2.03E-09
5026	562991.7	4235431	1.26E-08	1.13E-08	2.39E-08	2.14E-09	1.81E-09	3.95E-09	1.02E-08	8.27E-09	1.85E-08	1.67E-09	1.60E-09	3.28E-09	1.25E-09	8.19E-10	2.07E-09
5027	562788.5	4235364	6.82E-09	6.09E-09	1.29E-08	1.16E-09	9.76E-10	2.13E-09	5.51E-09	4.47E-09	9.97E-09	9.02E-10	8.66E-10	1.77E-09	6.74E-10	4.42E-10	1.12E-09
5028	562781.8	4235357	6.68E-09	5.96E-09	1.26E-08	1.13E-09	9.56E-10	2.09E-09	5.40E-09	4.37E-09	9.77E-09	8.84E-10	8.48E-10	1.73E-09	6.60E-10	4.33E-10	1.09E-09
5029	562775	4235350	6.54E-09	5.84E-09	1.24E-08	1.11E-09	9.36E-10	2.05E-09	5.28E-09	4.28E-09	9.57E-09	8.65E-10	8.30E-10	1.70E-09	6.46E-10	4.24E-10	1.07E-09
5030	562768.3	4235344	6.40E-09	5.71E-09	1.21E-08	1.09E-09	9.15E-10	2.00E-09	5.17E-09	4.19E-09	9.36E-09	8.47E-10	8.12E-10	1.66E-09	6.32E-10	4.15E-10	1.05E-09
5031	562761.6	4235337	6.26E-09	5.58E-09	1.18E-08	1.06E-09	8.95E-10	1.96E-09	5.05E-09	4.10E-09	9.15E-09	8.28E-10	7.94E-10	1.62E-09	6.18E-10	4.06E-10	1.02E-09
5032	562754.9	4235330	6.12E-09	5.46E-09	1.16E-08	1.04E-09	8.75E-10	1.91E-09	4.94E-09	4.00E-09	8.94E-09	8.09E-10	7.76E-10	1.59E-09	6.04E-10	3.96E-10	1.00E-09
5033	562748.1	4235324	5.98E-09	5.33E-09	1.13E-08	1.01E-09	8.55E-10	1.87E-09	4.83E-09	3.91E-09	8.74E-09	7.90E-10	7.58E-10	1.55E-09	5.90E-10	3.87E-10	9.78E-10
5034	562741.4	4235317	5.84E-09	5.21E-09	1.10E-08	9.91E-10	8.35E-10	1.83E-09	4.71E-09	3.82E-09	8.53E-09	7.72E-10	7.41E-10	1.51E-09	5.77E-10	3.78E-10	9.55E-10
5035	562734.7	4235310	5.70E-09	5.09E-09	1.08E-08	9.68E-10	8.16E-10	1.78E-09	4.60E-09	3.73E-09	8.34E-09	7.54E-10	7.24E-10	1.48E-09	5.63E-10	3.70E-10	9.33E-10
5036	562728	4235303	5.57E-09	4.97E-09	1.05E-08	9.46E-10	7.97E-10	1.74E-09	4.50E-09	3.65E-09	8.15E-09	7.37E-10	7.07E-10	1.44E-09	5.50E-10	3.61E-10	9.11E-10
5037	562721.2	4235297	5.45E-09	4.86E-09	1.03E-08	9.24E-10	7.79E-10	1.70E-09	4.40E-09	3.56E-09	7.96E-09	7.20E-10	6.91E-10	1.41E-09	5.38E-10	3.53E-10	8.91E-10
5038	562714.5	4235290	5.33E-09	4.75E-09	1.01E-08	9.04E-10	7.62E-10	1.67E-09	4.30E-09	3.49E-09	7.79E-09	7.04E-10	6.76E-10	1.38E-09	5.26E-10	3.45E-10	8.71E-10
5039	562707.8	4235283	5.21E-09	4.65E-09	9.86E-09	8.84E-10	7.45E-10	1.63E-09	4.21E-09	3.41E-09	7.62E-09	6.89E-10	6.61E-10	1.35E-09	5.15E-10	3.38E-10	8.53E-10
5040	562701.1	4235277	5.10E-09	4.55E-09	9.66E-09	8.66E-10	7.30E-10	1.60E-09	4.12E-09	3.34E-09	7.46E-09	6.75E-10	6.48E-10	1.32E-09	5.04E-10	3.31E-10	8.35E-10
5041	562694.3	4235270	5.00E-09	4.46E-09	9.46E-09	8.49E-10	7.15E-10	1.56E-09	4.04E-09	3.27E-09	7.31E-09	6.62E-10	6.35E-10	1.30E-09	4.94E-10	3.24E-10	8.18E-10
5042	562687.6	4235263	4.91E-09	4.38E-09	9.28E-09	8.33E-10	7.02E-10	1.53E-09	3.96E-09	3.21E-09	7.17E-09	6.49E-10	6.23E-10	1.27E-09	4.85E-10	3.18E-10	8.03E-10
5043	562680.9	4235256	4.82E-09	4.30E-09	9.11E-09	8.17E-10	6.89E-10	1.51E-09	3.89E-09	3.15E-09	7.04E-09	6.37E-10	6.11E-10	1.25E-09	4.76E-10	3.12E-10	7.88E-10
5044	562674.2	4235250	4.73E-09	4.22E-09	8.95E-09	8.03E-10	6.77E-10	1.48E-09	3.82E-09	3.10E-09	6.92E-09	6.26E-10	6.00E-10	1.23E-09	4.67E-10	3.07E-10	7.74E-10
5045	562667.5	4235243	4.65E-09	4.15E-09	8.80E-09	7.89E-10	6.65E-10	1.45E-09	3.76E-09	3.04E-09	6.80E-09	6.15E-10	5.90E-10	1.21E-09	4.60E-10	3.02E-10	7.61E-10
5046	562660.7	4235236	4.58E-09	4.08E-09	8.66E-09	7.77E-10	6.55E-10	1.43E-09	3.70E-09	3.00E-09	6.69E-09	6.05E-10	5.81E-10	1.19E-09	4.52E-10	2.97E-10	7.49E-10
5047	562654	4235230	4.51E-09	4.02E-09	8.53E-09	7.65E-10	6.45E-10	1.41E-09	3.64E-09	2.95E-09	6.59E-09	5.96E-10	5.72E-10	1.17E-09	4.45E-10	2.92E-10	7.37E-10
5048	562647.3	4235223	4.44E-09	3.96E-09	8.40E-09	7.53E-10	6.35E-10	1.39E-09	3.59E-09	2.91E-09	6.49E-09	5.87E-10	5.63E-10	1.15E-09	4.39E-10	2.88E-10	7.26E-10
5049	562640.6	4235216	4.38E-09	3.90E-09	8.28E-09	7.43E-10	6.26E-10	1.37E-09	3.53E-09	2.86E-09	6.40E-09	5.79E-10	5.55E-10	1.13E-09	4.32E-10	2.84E-10	7.16E-10
5050	562633.8	4235209	4.32E-09	3.85E-09	8.17E-09	7.32E-10	6.17E-10	1.35E-09	3.48E-09	2.82E-09	6.31E-09	5.71E-10	5.48E-10	1.12E-09	4.26E-10	2.80E-10	7.06E-10
5051	562627.1	4235203	4.26E-09	3.80E-09	8.05E-09	7.22E-10	6.09E-10	1.33E-09	3.44E-09	2.79E-09	6.22E-09	5.63E-10	5.40E-10	1.10E-09	4.20E-10	2.76E-10	6.96E-10
5052	562620.4	4235196	4.20E-09	3.75E-09	7.95E-09	7.13E-10	6.01E-10	1.31E-09	3.39E-09	2.75E-09	6.14E-09	5.55E-10	5.33E-10	1.09E-09	4.15E-10	2.72E-10	6.87E-10
5053	562613.7	4235189	4.14E-09	3.70E-09	7.84E-09	7.03E-10	5.93E-10	1.30E-09	3.35E-09	2.71E-09	6.06E-09	5.48E-10	5.26E-10	1.07E-09	4.09E-10	2.69E-10	6.78E-10
5054	562606.9	4235183	4.09E-09	3.65E-09	7.74E-09	6.94E-10	5.85E-10	1.28E-09	3.30E-09	2.68E-09	5.98E-09	5.41E-10	5.19E-10	1.06E-09	4.04E-10	2.65E-10	6.69E-10
5055	562600.2	4235176	4.04E-09	3.60E-09	7.63E-09	6.85E-10	5.77E-10	1.26E-09	3.26E-09	2.64E-09	5.90E-09	5.34E-10	5.12E-10	1.05E-09	3.98E-10	2.62E-10	6.60E-10
5056	562593.5	4235169	3.98E-09	3.55E-09	7.53E-09	6.76E-10	5.69E-10	1.25E-09	3.22E-09	2.61E-09	5.82E-09	5.27E-10	5.05E-10	1.03E-09	3.93E-10	2.58E-10	6.51E-10
5057	562586.8	4235162	3.93E-09	3.51E-09	7.44E-09	6.67E-10	5.62E-10	1.23E-09	3.17E-09	2.57E-09	5.75E-09	5.20E-10	4.99E-10	1.02E-09	3.88E-10	2.55E-10	6.43E-10
5058	562580	4235156	3.88E-09	3.46E-09	7.34E-09	6.58E-10	5.55E-10	1.21E-09	3.13E-09	2.54E-09	5.67E-09	5.13E-10	4.92E-10	1.01E-09	3.83E-10	2.51E-10	6.35E-10
5059	562573.3	4235149	3.83E-09	3.42E-09	7.25E-09	6.50E-10	5.48E-10	1.20E-09	3.09E-09	2.51E-09	5.60E-09	5.07E-10	4.86E-10	9.93E-10	3.78E-10	2.48E-10	6.27E-10
5060	562566.6	4235142	3.78E-09	3.37E-09	7.16E-09	6.42E-10	5.41E-10	1.18E-09	3.05E-09	2.48E-09	5.53E-09	5.00E-10	4.80E-10	9.80E-10	3.74E-10	2.45E-10	6.19E-10
5061	562557.9	4235126	3.74E-09	3.34E-09	7.08E-09	6.35E-10	5.35E-10	1.17E-09	3.02E-09	2.45E-09	5.47E-09	4.95E-10	4.75E-10	9.70E-10	3.70E-10	2.42E-10	6.12E-10
5062	562556	4235117	3.75E-09	3.34E-09	7.09E-09	6.36E-10	5.36E-10	1.17E-09	3.03E-09	2.45E-09	5.48E-09	4.96E-10	4.76E-10	9.71E-10	3.70E-10	2.43E-10	6.13E-10
5063	562554.1	4235108	3.76E-09	3.35E-09	7.11E-09	6.38E-10	5.38E-10	1.18E-09	3.04E-09	2.46E-09	5.50E-09	4.97E-10	4.77E-10	9.74E-10	3.71E-10	2.44E-10	6.15E-10
5064	562552.1	4235098	3.77E-09	3.37E-09	7.14E-09	6.40E-10	5.40E-10	1.18E-09	3.05E-09	2.47E-09	5.52E-09	4.99E-10	4.79E-10	9.78E-10	3.73E-10	2.45E-10	6.17E-10
5065	562550.2	4235089	3.79E-09	3.38E-09	7.18E-09	6.44E-10	5.42E-10	1.19E-09	3.06E-09	2.48E-09	5.54E-09	5.02E-10	4.81E-10	9.83E-10	3.75E-10	2.46E-10	6.20E-10
5066	562548.3	4235080	3.82E-09	3.41E-09	7.22E-09	6.48E-10	5.46E-10	1.19E-09	3.08E-09	2.50E-09	5.58E-09	5.05E-10	4.84E-10	9.89E-10	3.77E-10	2.47E-10	6.25E-10
5067	562546.3	4235070	3.85E-09	3.43E-09	7.28E-09	6.53E-10	5.51E-10	1.20E-09	3.11E-09	2.52E-09	5.63E-09	5.09E-10	4.89E-10	9.98E-10	3.80E-10	2.50E-10	6.30E-10
5068	562544.4	4235061	3.89E-09	3.47E-09	7.36E-09	6.60E-10	5.56E-10	1.22E-09	3.14E-09	2.55E-09	5.69E-09	5.14E-10	4.93E-10	1.01E-09	3.84E-10	2.52E-10	6.36E-10
5069	562542.5	4235052	3.94E-09	3.51E-09	7.45E-09	6.68E-10	5.63E-10	1.23E-09	3.18E-09	2.58E-09	5.76E-09	5.21E-10	5.00E-10	1.02E-09	3.89E-10	2.55E-10	6.44E-10
5070	562540.6	4235043	3.99E-09	3.56E-09	7.56E-09	6.78E-10	5.71E-10	1.25E-09	3.23E-09	2.61E-09	5.84E-09	5.28E-10	5.07E-10	1.04E-09	3.94E-10	2.59E-10	6.53E-10
5071	562538.6	4235033	4.06E-09	3.62E-09	7.69E-09	6.89E-10	5.81E-10	1.27E-09	3.28E-09	2.66E-09	5.94E-09	5.37E-10	5.15E-10	1.05E-09	4.01E-10	2.63E-10	6.65E-10
5072	562536.7	4235024	4.14E-09	3.69E-09	7.84E-09	7.03E-10	5.92E-10	1.30E-09	3.34E-09	2.71E-09	6.05E-09	5.48E-10	5.26E-10	1.07E-09	4.09E-10	2.68E-10	6.77E-10
5073	562534.8	4235015	4.23E-09	3.78E-09	8.01E-09	7.18E-10	6.05E-10	1.32E-09	3.42E-09	2.77E-09	6.19E-09	5.60E-10	5.37E-10	1.10E-09	4.18E-10	2.74E-10	6.92E-10
5074	562532.8	4235005	4.34E-09	3.87E-09	8.21E-09	7.36E-10	6.20E-10	1.36E-09	3.50E-09	2.84E-09	6.34E-09	5.74E-10	5.50E-10	1.12E-09	4.28E-10	2.81E-10	7.10E-10
5075	562530.9	4234996	4.46E-09	3.98E-09	8.43E-09	7.56E-10	6.37E-10	1.39E-09	3.60E-09	2.92E-09	6.51E-09	5.89E-10	5.65E-10	1.15E-09	4.40E-10	2.89E-10	7.29E-10
5076	562529	4234987	4.59E-09	4.09E-09	8.68E-09	7.79E-10	6.56E-10	1.43E-09	3.70E-09	3.00E-09	6.71E-09	6.07E-10	5.82E-10	1.19E-09	4.53E-10	2.97E-10	7.51E-10
5077	562527	4234977	4.74E-09	4.22E-09	8.96E-09	8.04E-10	6.77E-10	1.48E-09	3.82E-09	3.10E-09	6.92E-09	6.26E-10	6.01E-10	1.23E-09	4.68E-10	3.07E-10	7.75E-10
5078	562525.1	4234968	4.90E-09	4.37E-09	9.27E-09	8.31E-10	7.01E-10	1.53E-09	3.96E-09	3.21E-09	7.16E-09	6.48E-10	6.22E-10	1.27E-09	4.84E-10	3.18E-10	8.01E-10
5079	562523.2	4234959	5.08E-09	4.53E-09	9.61E-09	8.62E-10	7.26E-10	1.59E-09	4.10E-09	3.32E-09	7.42E-09	6.72E-10	6.44E-10	1.32E-09	5.02E-10	3.29E-10	8.31E-10
5080	562521.2	4234950	5.28E-09	4.71E-09	9.98E-09	8.95E-10	7.54E-10	1.65E-09	4.26E-09	3.45E-09	7.71E-09	6.98E-10	6.69E-10	1.37E-09	5.21E-10	3.42E-10	8.63E-10
5081	562519.3	4234940	5.49E-09	4.90E-09	1.04E-08	9.32E-10	7.85E-10	1.72E-09	4.43E-09	3.59E-09	8.03E-09	7.26E-10	6.97E-10	1.42E-09	5.42E-10	3.56E-10	8.98E-10
5082	562517.4	4234931	5.72E-09	5.11E-09	1.08E-08	9.71E-10	8.19E-10	1.79E-09	4.62E-09	3.75E-09	8.37E-09	7.57E-10	7.26E-10	1.48E-09	5.65E-10	3.71E-10	9.36E-10
5083	562515.5	4234922	5.98E-09	5.33E-09	1.13E-08	1.01E-09	8.55E-10	1.87E-09	4.83E-09	3.91E-09	8.74E-09	7.90E-10	7.58E-10	1.55E-09	5.90E-10	3.87E-10	9.78E-10
5084	562513.5	4234912	6.25E-09	5.58E-09	1.18E-08	1.06E-09	8.94E-10	1.95E-09	5.05E-09	4.09E-09	9.14E-09	8.27E-10	7.93E-10	1.62E-09	6.17E-10	4.05E-10	1.02E-09
5085	562511.6	4234903	6.54E-09	5.83E-09	1.24E-08	1.11E-09	9.35E-10	2.04E-09	5.28E-09	4.28E-09	9.55E-09	8.64E-10	8.29E-10	1.69E-09	6.45E-10	4.24E-10	1.07E-09
5086	562509.7	4234894	6.82E-09	6.08E-09	1.29E-08	1.16E-09	9.75E-10	2.13E-09	5.50E-09	4.46E-09	9.96E-09	9.01E-10	8.65E-10	1.77E-09	6.73E-10	4.42E-10	1.11E-09
5087	562507.7	4234884	7.10E-09	6.34E-09	1.34E-08	1.21E-09	1.02E-09	2.22E-09	5.74E-09	4.65E-09	1.04E-08	9.39E-10	9.01E-10	1.84E-09	7.02E-10	4.60E-10	1.16E-09
5088	562505.8	4234875	7.40E-09	6.60E-09	1.40E-08	1.26E-09	1.06E-09	2.31E-09	5.97E-09	4.84E-09	1.08E-08	9.79E-10	9.39E-10	1.92E-09	7.31E-10	4.80E-10	1.21E-09
5089	562503.9	4234866	7.73E-09	6.89E-09	1.46E-08	1.31E-09	1.11E-09	2.42E-09	6.24E-09	5.06E-09	1.13E-08	1.02E-09	9.81E-10	2.00E-09	7.63E-10	5.01E-10	1.26E-09
5090	562501.9	4234856	8.09E-09	7.22E-09	1.53E-08	1.37E-09	1.16E-09	2.53E-09	6.53E-09	5.29E-09	1.18E-08	1.07E-09	1.03E-09	2.10E-09	7.99E-10	5.24E-10	1.32E-09
5091	562500	4234847	8.48E-09	7.57E-09	1.60E-08	1.44E-09	1.21E-09	2.65E-09	6.85E-09	5.55E-09	1.24E-08	1.12E-09	1.08E-09	2.20E-09	8.38E-10	5.50E-10	1.39E-09
5092	562498.1	4234838	9.00E-09	8.03E-09	1.70E-08	1.53E-09	1.29E-09	2.81E-09	7.26E-09	5.89E-09	1.32E-08	1.19E-09	1.14E-09	2.33E-09	8.88E-10	5.83E-10	1.47E-09

5093	562496.1	4234829	9.56E-09	8.53E-09	1.81E-08	1.62E-09	1.37E-09	2.99E-09	7.72E-09	6.26E-09	1.40E-08	1.26E-09	1.21E-09	2.48E-09	9.44E-10	6.20E-10	1.56E-09
5094	562494.2	4234819	1.02E-08	9.07E-09	1.92E-08	1.73E-09	1.45E-09	3.18E-09	8.21E-09	6.65E-09	1.49E-08	1.34E-09	1.29E-09	2.64E-09	1.00E-09	6.59E-10	1.66E-09
5095	562795.2	4235371	6.96E-09	6.21E-09	1.32E-08	1.18E-09	9.95E-10	2.18E-09	5.62E-09	4.55E-09	1.02E-08	9.20E-10	8.83E-10	1.80E-09	6.87E-10	4.51E-10	1.14E-09
5096	562803.7	4235375	7.14E-09	6.37E-09	1.35E-08	1.21E-09	1.02E-09	2.23E-09	5.77E-09	4.67E-09	1.04E-08	9.45E-10	9.06E-10	1.85E-09	7.05E-10	4.63E-10	1.17E-09
5097	562812.1	4235380	7.33E-09	6.54E-09	1.39E-08	1.24E-09	1.05E-09	2.29E-09	5.92E-09	4.79E-09	1.07E-08	9.69E-10	9.30E-10	1.90E-09	7.24E-10	4.75E-10	1.20E-09
5098	562820.6	4235384	7.51E-09	6.70E-09	1.42E-08	1.27E-09	1.07E-09	2.35E-09	6.06E-09	4.91E-09	1.10E-08	9.93E-10	9.53E-10	1.95E-09	7.42E-10	4.87E-10	1.23E-09
5099	562829	4235389	7.69E-09	6.86E-09	1.46E-08	1.31E-09	1.10E-09	2.41E-09	6.21E-09	5.03E-09	1.12E-08	1.02E-09	9.76E-10	1.99E-09	7.60E-10	4.98E-10	1.26E-09
5100	562837.5	4235393	7.87E-09	7.02E-09	1.49E-08	1.34E-09	1.13E-09	2.46E-09	6.36E-09	5.15E-09	1.15E-08	1.04E-09	9.99E-10	2.04E-09	7.78E-10	5.10E-10	1.29E-09
5101	562845.9	4235398	8.05E-09	7.19E-09	1.52E-08	1.37E-09	1.15E-09	2.52E-09	6.50E-09	5.27E-09	1.18E-08	1.07E-09	1.02E-09	2.09E-09	7.95E-10	5.22E-10	1.32E-09
5102	562854.4	4235402	8.24E-09	7.35E-09	1.56E-08	1.40E-09	1.18E-09	2.58E-09	6.65E-09	5.39E-09	1.20E-08	1.09E-09	1.05E-09	2.14E-09	8.14E-10	5.34E-10	1.35E-09
5103	562862.8	4235407	8.48E-09	7.56E-09	1.60E-08	1.44E-09	1.21E-09	2.65E-09	6.84E-09	5.55E-09	1.24E-08	1.12E-09	1.08E-09	2.20E-09	8.37E-10	5.49E-10	1.39E-09
5104	562871.3	4235412	8.71E-09	7.77E-09	1.65E-08	1.48E-09	1.25E-09	2.72E-09	7.03E-09	5.70E-09	1.27E-08	1.15E-09	1.11E-09	2.26E-09	8.60E-10	5.65E-10	1.42E-09
5105	562879.7	4235416	8.95E-09	7.98E-09	1.69E-08	1.52E-09	1.28E-09	2.80E-09	7.23E-09	5.86E-09	1.31E-08	1.18E-09	1.14E-09	2.32E-09	8.84E-10	5.80E-10	1.46E-09
5106	562888.2	4235421	9.16E-09	8.17E-09	1.73E-08	1.55E-09	1.31E-09	2.87E-09	7.40E-09	6.00E-09	1.34E-08	1.21E-09	1.16E-09	2.37E-09	9.05E-10	5.94E-10	1.50E-09
5107	562896.6	4235425	9.36E-09	8.35E-09	1.77E-08	1.59E-09	1.34E-09	2.93E-09	7.56E-09	6.12E-09	1.37E-08	1.24E-09	1.19E-09	2.42E-09	9.24E-10	6.06E-10	1.53E-09
5108	562905.1	4235430	9.56E-09	8.53E-09	1.81E-08	1.62E-09	1.37E-09	2.99E-09	7.72E-09	6.25E-09	1.40E-08	1.26E-09	1.21E-09	2.48E-09	9.44E-10	6.19E-10	1.56E-09
5109	562913.5	4235434	9.76E-09	8.71E-09	1.85E-08	1.66E-09	1.40E-09	3.05E-09	7.88E-09	6.39E-09	1.43E-08	1.29E-09	1.24E-09	2.53E-09	9.64E-10	6.33E-10	1.60E-09
5110	562922	4235439	9.97E-09	8.89E-09	1.89E-08	1.69E-09	1.43E-09	3.12E-09	8.05E-09	6.52E-09	1.46E-08	1.32E-09	1.26E-09	2.58E-09	9.84E-10	6.46E-10	1.63E-09
5111	562930.4	4235443	1.02E-08	9.08E-09	1.93E-08	1.73E-09	1.46E-09	3.18E-09	8.22E-09	6.66E-09	1.49E-08	1.35E-09	1.29E-09	2.64E-09	1.00E-09	6.59E-10	1.66E-09
5112	562938.9	4235448	1.04E-08	9.27E-09	1.97E-08	1.76E-09	1.49E-09	3.25E-09	8.39E-09	6.80E-09	1.52E-08	1.37E-09	1.32E-09	2.69E-09	1.03E-09	6.73E-10	1.70E-09
5113	562947.3	4235453	1.06E-08	9.45E-09	2.01E-08	1.80E-09	1.52E-09	3.31E-09	8.56E-09	6.94E-09	1.55E-08	1.40E-09	1.34E-09	2.75E-09	1.05E-09	6.87E-10	1.73E-09
5114	562955.8	4235457	1.08E-08	9.64E-09	2.04E-08	1.83E-09	1.55E-09	3.38E-09	8.73E-09	7.07E-09	1.58E-08	1.43E-09	1.37E-09	2.80E-09	1.07E-09	7.00E-10	1.77E-09
5115	562964.2	4235462	1.10E-08	9.83E-09	2.08E-08	1.87E-09	1.58E-09	3.44E-09	8.89E-09	7.21E-09	1.61E-08	1.46E-09	1.40E-09	2.85E-09	1.09E-09	7.14E-10	1.80E-09
5116	562972.7	4235466	1.12E-08	1.00E-08	2.12E-08	1.90E-09	1.60E-09	3.51E-09	9.06E-09	7.34E-09	1.64E-08	1.48E-09	1.42E-09	2.91E-09	1.11E-09	7.27E-10	1.83E-09
5117	562769.6	4235399	6.29E-09	5.61E-09	1.19E-08	1.07E-09	8.99E-10	1.97E-09	5.08E-09	4.11E-09	9.19E-09	8.32E-10	7.98E-10	1.63E-09	6.21E-10	4.08E-10	1.03E-09
5118	562763	4235393	6.17E-09	5.50E-09	1.17E-08	1.05E-09	8.82E-10	1.93E-09	4.98E-09	4.04E-09	9.02E-09	8.16E-10	7.83E-10	1.60E-09	6.09E-10	4.00E-10	1.01E-09
5119	562756.4	4235386	6.05E-09	5.39E-09	1.14E-08	1.03E-09	8.65E-10	1.89E-09	4.88E-09	3.96E-09	8.84E-09	8.00E-10	7.67E-10	1.57E-09	5.97E-10	3.92E-10	9.89E-10
5120	562749.8	4235379	5.92E-09	5.28E-09	1.12E-08	1.01E-09	8.47E-10	1.85E-09	4.78E-09	3.88E-09	8.66E-09	7.83E-10	7.52E-10	1.54E-09	5.85E-10	3.84E-10	9.69E-10
5121	562743.2	4235373	5.80E-09	5.17E-09	1.10E-08	9.84E-10	8.30E-10	1.81E-09	4.68E-09	3.80E-09	8.48E-09	7.67E-10	7.36E-10	1.50E-09	5.73E-10	3.76E-10	9.49E-10
5122	562736.5	4235366	5.68E-09	5.06E-09	1.07E-08	9.63E-10	8.12E-10	1.77E-09	4.58E-09	3.71E-09	8.30E-09	7.51E-10	7.20E-10	1.47E-09	5.61E-10	3.68E-10	9.28E-10
5123	562729.9	4235360	5.55E-09	4.95E-09	1.05E-08	9.42E-10	7.94E-10	1.74E-09	4.48E-09	3.63E-09	8.12E-09	7.34E-10	7.05E-10	1.44E-09	5.48E-10	3.60E-10	9.08E-10
5124	562723.3	4235353	5.43E-09	4.84E-09	1.03E-08	9.21E-10	7.77E-10	1.70E-09	4.38E-09	3.55E-09	7.94E-09	7.18E-10	6.89E-10	1.41E-09	5.36E-10	3.52E-10	8.88E-10
5125	562716.7	4235346	5.31E-09	4.74E-09	1.00E-08	9.01E-10	7.59E-10	1.66E-09	4.29E-09	3.48E-09	7.76E-09	7.02E-10	6.74E-10	1.38E-09	5.24E-10	3.44E-10	8.69E-10
5126	562710	4235340	5.19E-09	4.63E-09	9.83E-09	8.81E-10	7.43E-10	1.62E-09	4.19E-09	3.40E-09	7.59E-09	6.87E-10	6.59E-10	1.35E-09	5.13E-10	3.37E-10	8.50E-10
5127	562703.4	4235333	5.08E-09	4.53E-09	9.61E-09	8.62E-10	7.27E-10	1.59E-09	4.10E-09	3.32E-09	7.43E-09	6.72E-10	6.45E-10	1.32E-09	5.02E-10	3.29E-10	8.31E-10
5128	562696.8	4235327	4.97E-09	4.44E-09	9.41E-09	8.44E-10	7.11E-10	1.55E-09	4.01E-09	3.25E-09	7.27E-09	6.58E-10	6.31E-10	1.29E-09	4.91E-10	3.22E-10	8.13E-10
5129	562690.2	4235320	4.87E-09	4.34E-09	9.21E-09	8.26E-10	6.96E-10	1.52E-09	3.93E-09	3.19E-09	7.12E-09	6.44E-10	6.18E-10	1.26E-09	4.81E-10	3.16E-10	7.96E-10
5130	562683.6	4235313	4.77E-09	4.25E-09	9.02E-09	8.09E-10	6.82E-10	1.49E-09	3.85E-09	3.12E-09	6.97E-09	6.31E-10	6.05E-10	1.24E-09	4.71E-10	3.09E-10	7.80E-10
5131	562676.9	4235307	4.68E-09	4.17E-09	8.85E-09	7.93E-10	6.69E-10	1.46E-09	3.78E-09	3.06E-09	6.84E-09	6.18E-10	5.93E-10	1.21E-09	4.62E-10	3.03E-10	7.65E-10
5132	562670.3	4235300	4.59E-09	4.09E-09	8.68E-09	7.79E-10	6.56E-10	1.43E-09	3.70E-09	3.00E-09	6.71E-09	6.07E-10	5.82E-10	1.19E-09	4.53E-10	2.97E-10	7.50E-10
5133	562663.7	4235293	4.51E-09	4.02E-09	8.52E-09	7.64E-10	6.44E-10	1.41E-09	3.64E-09	2.95E-09	6.59E-09	5.96E-10	5.72E-10	1.17E-09	4.45E-10	2.92E-10	7.37E-10
5134	562657.1	4235287	4.43E-09	3.95E-09	8.38E-09	7.51E-10	6.33E-10	1.38E-09	3.58E-09	2.90E-09	6.47E-09	5.86E-10	5.62E-10	1.15E-09	4.37E-10	2.87E-10	7.24E-10
5135	562650.5	4235280	4.35E-09	3.88E-09	8.24E-09	7.39E-10	6.23E-10	1.36E-09	3.52E-09	2.85E-09	6.37E-09	5.76E-10	5.53E-10	1.13E-09	4.30E-10	2.82E-10	7.12E-10
5136	562643.8	4235274	4.29E-09	3.82E-09	8.11E-09	7.27E-10	6.13E-10	1.34E-09	3.46E-09	2.81E-09	6.27E-09	5.67E-10	5.44E-10	1.11E-09	4.23E-10	2.78E-10	7.01E-10
5137	562637.2	4235267	4.22E-09	3.77E-09	7.99E-09	7.17E-10	6.04E-10	1.32E-09	3.41E-09	2.76E-09	6.17E-09	5.58E-10	5.36E-10	1.09E-09	4.17E-10	2.74E-10	6.91E-10
5138	562630.6	4235260	4.16E-09	3.71E-09	7.88E-09	7.06E-10	5.95E-10	1.30E-09	3.36E-09	2.72E-09	6.08E-09	5.50E-10	5.28E-10	1.08E-09	4.11E-10	2.70E-10	6.81E-10
5139	562624	4235254	4.11E-09	3.66E-09	7.77E-09	6.97E-10	5.87E-10	1.28E-09	3.31E-09	2.69E-09	6.00E-09	5.43E-10	5.21E-10	1.06E-09	4.05E-10	2.66E-10	6.71E-10
5140	562617.4	4235247	4.05E-09	3.61E-09	7.66E-09	6.87E-10	5.79E-10	1.27E-09	3.27E-09	2.65E-09	5.92E-09	5.36E-10	5.14E-10	1.05E-09	4.00E-10	2.63E-10	6.63E-10
5141	562610.7	4235241	4.00E-09	3.57E-09	7.56E-09	6.78E-10	5.72E-10	1.25E-09	3.23E-09	2.62E-09	5.84E-09	5.29E-10	5.07E-10	1.04E-09	3.95E-10	2.59E-10	6.54E-10
5142	562604.1	4235234	3.95E-09	3.52E-09	7.47E-09	6.70E-10	5.65E-10	1.23E-09	3.19E-09	2.58E-09	5.77E-09	5.22E-10	5.01E-10	1.02E-09	3.90E-10	2.56E-10	6.46E-10
5143	562597.5	4235227	3.90E-09	3.48E-09	7.38E-09	6.62E-10	5.58E-10	1.22E-09	3.15E-09	2.55E-09	5.70E-09	5.16E-10	4.95E-10	1.01E-09	3.85E-10	2.53E-10	6.38E-10
5144	562590.9	4235221	3.85E-09	3.44E-09	7.29E-09	6.53E-10	5.51E-10	1.20E-09	3.11E-09	2.52E-09	5.63E-09	5.09E-10	4.89E-10	9.98E-10	3.80E-10	2.50E-10	6.30E-10
5145	562584.3	4235214	3.80E-09	3.39E-09	7.20E-09	6.45E-10	5.44E-10	1.19E-09	3.07E-09	2.49E-09	5.56E-09	5.03E-10	4.83E-10	9.86E-10	3.76E-10	2.47E-10	6.22E-10
5146	562577.6	4235208	3.76E-09	3.35E-09	7.11E-09	6.38E-10	5.37E-10	1.17E-09	3.03E-09	2.46E-09	5.49E-09	4.97E-10	4.77E-10	9.74E-10	3.71E-10	2.44E-10	6.15E-10
5147	562571	4235201	3.71E-09	3.31E-09	7.02E-09	6.30E-10	5.31E-10	1.16E-09	3.00E-09	2.43E-09	5.43E-09	4.91E-10	4.71E-10	9.62E-10	3.67E-10	2.41E-10	6.07E-10
5148	562564.4	4235194	3.67E-09	3.27E-09	6.94E-09	6.22E-10	5.24E-10	1.15E-09	2.96E-09	2.40E-09	5.36E-09	4.85E-10	4.65E-10	9.50E-10	3.62E-10	2.38E-10	6.00E-10
5149	562557.8	4235188	3.62E-09	3.23E-09	6.85E-09	6.14E-10	5.18E-10	1.13E-09	2.92E-09	2.37E-09	5.29E-09	4.79E-10	4.59E-10	9.38E-10	3.58E-10	2.35E-10	5.92E-10
5150	562551.1	4235181	3.58E-09	3.19E-09	6.77E-09	6.07E-10	5.11E-10	1.12E-09	2.89E-09	2.34E-09	5.23E-09	4.73E-10	4.54E-10	9.27E-10	3.53E-10	2.32E-10	5.85E-10
5151	562544.5	4235174	3.53E-09	3.15E-09	6.68E-09	5.99E-10	5.05E-10	1.10E-09	2.85E-09	2.31E-09	5.16E-09	4.67E-10	4.48E-10	9.15E-10	3.49E-10	2.29E-10	5.78E-10
5152	562537.9	4235168	3.49E-09	3.11E-09	6.60E-09	5.92E-10	4.99E-10	1.09E-09	2.82E-09	2.28E-09	5.10E-09	4.61E-10	4.43E-10	9.04E-10	3.45E-10	2.26E-10	5.71E-10
5153	562531.3	4235161	3.45E-09	3.08E-09	6.52E-09	5.85E-10	4.93E-10	1.08E-09	2.78E-09	2.26E-09	5.04E-09	4.56E-10	4.37E-10	8.93E-10	3.40E-10	2.23E-10	5.64E-10
5154	562522.8	4235145	3.41E-09	3.04E-09	6.45E-09	5.78E-10	4.87E-10	1.07E-09	2.75E-09	2.23E-09	4.98E-09	4.51E-10	4.32E-10	8.83E-10	3.37E-10	2.21E-10	5.57E-10
5155	562520.9	4235136	3.41E-09	3.04E-09	6.46E-09	5.79E-10	4.88E-10	1.07E-09	2.75E-09	2.23E-09	4.99E-09	4.51E-10	4.33E-10	8.84E-10	3.37E-10	2.21E-10	5.58E-10
5156	562519	4235127	3.42E-09	3.05E-09	6.47E-09	5.80E-10	4.89E-10	1.07E-09	2.76E-09	2.24E-09	5.00E-09	4.52E-10	4.34E-10	8.86E-10	3.38E-10	2.22E-10	5.59E-10
5157	562517.1	4235118	3.43E-09	3.06E-09	6.48E-09	5.81E-10	4.90E-10	1.07E-09	2.77E-09	2.24E-09	5.01E-09	4.53E-10	4.35E-10	8.88E-10	3.38E-10	2.22E-10	5.61E-10
5158	562515.2	4235109	3.44E-09	3.07E-09	6.51E-09	5.84E-10	4.92E-10	1.08E-09	2.78E-09	2.25E-09	5.03E-09	4.55E-10	4.36E-10	8.91E-10	3.40E-10	2.23E-10	5.63E-10
5159	562513.3	4235100	3.46E-09	3.08E-09	6.54E-09	5.86E-10	4.94E-10	1.08E-09	2.79E-09	2.26E-09	5.05E-09	4.57E-10	4.39E-10	8.96E-10	3.41E-10	2.24E-10	5.65E-10
5160	562511.4	4235091	3.48E-09	3.10E-09	6.58E-09	5.90E-10	4.97E-10	1.09E-09	2.81E-09	2.28E-09	5.08E-09	4.60E-10	4.41E-10	9.01E-10	3.43E-10	2.25E-10	5.69E-10
5161	562509.5	4235081	3.51E-09	3.13E-09	6.63E-09	5.95E-10	5.01E-10	1.10E-09	2.83E-09	2.29E-09	5.12E-09	4.64E-10	4.45E-10	9.08E-10	3.46E-10	2.27E-10	5.73E-10
5162	562507.6	4235072	3.54E-09	3.16E-09	6.70E-09	6.01E-10	5.06E-10	1.11E-09	2.86E-09	2.32E-09	5.17E-09	4.68E-10	4.49E-10	9.17E-10	3.50E-10	2.29E-10	5.79E-10
5163	562505.7	4235063	3.58E-09	3.19E-09	6.77E-09	6.08E-10	5.12E-10	1.12E-09	2.89E-09	2.34E-09	5.23E-09	4.74E-10	4.54E-10	9.28E-10	3.54E-10	2.32E-10	5.86E-10
5164	562503.8	4235054	3.63E-09	3.24E-09	6.87E-09	6.16E-10	5.19E-10	1.13E-09	2.93E-09	2.38E-09	5.31E-09	4.80E-10	4.61E-10	9.41E-10	3.58E-10	2.35E-10	5.94E-10
5165	562501.9	4235045	3.69E-09	3.29E-09	6.98E-09	6.26E-10	5.27E-10	1.15E-09	2.98E-09	2.41E-09	5.39E-09	4.88E-10	4.68E-10	9.56E-10	3.64E-10	2.39E-10	6.03E-10
5166	562500	4235036	3.76E-09	3.35E-09	7.10E-09	6.37E-10	5.37E-10	1.17E-09	3.03E-09	2.46E-09	5.49E-09	4.97E-10	4.76E-10	9.73E-10	3.71E-10	2.43E-10	6.14E-10
5167	562498.1	4235026	3.83E-09	3.42E-09	7.25E-09	6.50E-10	5.48E-10	1.20E-09	3.09E-09	2.51E-09	5.60E-09	5.07E-10	4.86E-10	9.93E-10	3.78E-10	2.48E-10	6.27E-10
5168	562496.2	4235017	3.92E-09	3.50E-09	7.42E-09	6.65E-10	5.61E-10	1.23E-09	3.17E-09	2.57E-09	5.73E-09	5.18E-10	4.97E-10	1.02E-09	3.87E-10	2.54E-10	6.41E-10
5169	562494.3	4235008	4.02E-09	3.59E-09	7.61E-09	6.82E-10	5.75E-10	1.26E-09	3.25E-09	2.63E-09	5.88E-09	5.32E-10	5.10E-10	1.04E-09	3.97E-10	2.60E-10	6.57E-10
5170	562492.4	4234999	4.13E-09	3.68E-09	7.81E-09	7.01E-10	5.91E-10	1.29E-09	3.33E-09	2.70E-09	6.04E-09	5.46E-10	5.24E-10	1.07E-09	4.08E-10	2.68E-10	6.76E-10
5171	562490.5	4234990	4.25E-09	3.79E-09	8.05E-09	7.22E-10	6.08E-10	1.33E-09	3.43E-09	2.78E-09	6.22E-09	5.62E-10	5.40E-10	1.10E-09	4.20E-10	2.76E-10	6.96E-10
5172	562488.6	4234981	4.39E-09	3.92E-09	8.30E-09	7.45E-10	6.28E-10	1.37E-09	3.54E-09	2.87E-09	6.42E-09	5.80E-10	5.57E-10	1.14E-09	4.33E-10	2.84E-10	7.18E-10
5173	562486.7	4234971	4.54E-09	4.05E-09	8.59E-09	7.70E-10	6.49E-10	1.42E-09	3.66E-09	2.97E-09	6.63E-09	6.00E-10	5.76E-10	1.18E-09	4.48E-10	2.94E-10	7.42E-10
5174	562484.8	4234962	4.70E-09	4.19E-09	8.89E-09	7.97E-10	6.72E-10	1.47E-09	3.79E-09	3.08E-09	6.87E-09	6.22E-10	5.96E-10	1.22E-09	4.64E-10	3.05E-10	7.69E-10
5175	562482.8	4234953	4.88E-09	4.35E-09	9.23E-09	8.27E-10	6.97E-10	1.52E-09	3.94E-09	3.19E-09	7.13E-09	6.45E-10	6.19E-10	1.26E-09	4.82E-10	3.16E-10	7.98E-10
5176	562480.9	4234944	5.07E-09	4.52E-09	9.59E-09	8.60E-10	7.25E-10	1.58E-09	4.09E-09	3.32E-09	7.41E-09	6.70E-10	6.43E-10	1.31E-09	5.01E-10	3.28E-10	8.29E-10
5177	562479	4234935	5.27E-09	4.70E-09	9.97E-09	8.94E-10	7.54E-10	1.65E-09	4.26E-09	3.45E-09	7.70E-09	6.97E-10	6.69E-10	1.37E-09	5.21E-10	3.42E-10	8.62E-10
5178	562477.1	4234926	5.46E-09	4.87E-09	1.03E-08	9.27E-10	7.81E-10	1.71E-09	4.41E-09	3.57E-09	7.98E-09	7.22E-10	6.93E-10	1.42E-09	5.39E-10	3.54E-10	8.93E-10
5179	562475.2	4234916	5.66E-09	5.05E-09	1.07E-08	9.60E-10	8.09E-10	1.77E-09	4.57E-09	3.70E-09	8.27E-09	7.48E-10	7.18E-10	1.47E-09	5.59E-10	3.67E-10	9.26E-10
5180	562473.3	4234907	5.86E-09	5.23E-09	1.11E-08	9.94E-10	8.38E-10	1.83E-09	4.73E-09	3.83E-09	8.57E-09	7.75E-10	7.44E-10	1.52E-09	5.79E-10	3.80E-10	9.58E-10
5181	562471.4	4234898	6.09E-09	5.44E-09	1.15E-08	1.03E-09	8.72E-10	1.91E-09	4.92E-09	3.99E-09	8.91E-09	8.06E-10	7.73E-10	1.58E-09	6.02E-10	3.95E-10	9.97E-10
5182	562469.5	4234889	6.36E-09	5.67E-09	1.20E-08	1.08E-09	9.09E-10	1.99E-09	5.13E-09	4.16E-09	9.29E-09	8.40E-10	8.06E-10	1.65E-09	6.28E-10	4.12E-10	1.04E-09
5183	562467.6	4234880	6.64E-09	5.92E-09	1.26E-08	1.13E-09	9.50E-10	2.08E-09	5.36E-09	4.35E-09	9.71E-09	8.78E-10	8.43E-10	1.72E-09	6.56E-10	4.30E-10	1.09E-09

5184	562465.7	4234871	7.00E-09	6.25E-09	1.32E-08	1.19E-09	1.00E-09	2.19E-09	5.65E-09	4.58E-09	1.02E-08	9.26E-10	8.88E-10	1.81E-09	6.92E-10	4.54E-10	1.15E-09
5185	562463.8	4234861	7.43E-09	6.62E-09	1.41E-08	1.26E-09	1.06E-09	2.32E-09	6.00E-09	4.86E-09	1.09E-08	9.82E-10	9.42E-10	1.92E-09	7.33E-10	4.81E-10	1.21E-09
5186	562461.9	4234852	7.88E-09	7.03E-09	1.49E-08	1.34E-09	1.13E-09	2.46E-09	6.36E-09	5.16E-09	1.15E-08	1.04E-09	1.00E-09	2.04E-09	7.78E-10	5.11E-10	1.29E-09
5187	562460	4234843	8.32E-09	7.42E-09	1.57E-08	1.41E-09	1.19E-09	2.60E-09	6.72E-09	5.45E-09	1.22E-08	1.10E-09	1.06E-09	2.16E-09	8.22E-10	5.39E-10	1.36E-09
5188	562458.1	4234834	8.73E-09	7.78E-09	1.65E-08	1.48E-09	1.25E-09	2.73E-09	7.05E-09	5.71E-09	1.28E-08	1.15E-09	1.11E-09	2.26E-09	8.62E-10	5.66E-10	1.43E-09
5189	562456.2	4234825	9.15E-09	8.16E-09	1.73E-08	1.55E-09	1.31E-09	2.86E-09	7.39E-09	5.99E-09	1.34E-08	1.21E-09	1.16E-09	2.37E-09	9.03E-10	5.93E-10	1.50E-09
5190	562454.3	4234816	9.58E-09	8.55E-09	1.81E-08	1.63E-09	1.37E-09	3.00E-09	7.74E-09	6.27E-09	1.40E-08	1.27E-09	1.22E-09	2.48E-09	9.46E-10	6.21E-10	1.57E-09
5191	562776.3	4235406	6.40E-09	5.71E-09	1.21E-08	1.09E-09	9.16E-10	2.00E-09	5.17E-09	4.19E-09	9.36E-09	8.47E-10	8.13E-10	1.66E-09	6.32E-10	4.15E-10	1.05E-09
5192	562784.7	4235410	6.56E-09	5.85E-09	1.24E-08	1.11E-09	9.39E-10	2.05E-09	5.30E-09	4.29E-09	9.59E-09	8.68E-10	8.33E-10	1.70E-09	6.48E-10	4.25E-10	1.07E-09
5193	562793.2	4235415	6.72E-09	6.00E-09	1.27E-08	1.14E-09	9.61E-10	2.10E-09	5.43E-09	4.40E-09	9.82E-09	8.89E-10	8.53E-10	1.74E-09	6.64E-10	4.36E-10	1.10E-09
5194	562801.6	4235419	6.88E-09	6.13E-09	1.30E-08	1.17E-09	9.84E-10	2.15E-09	5.55E-09	4.50E-09	1.01E-08	9.09E-10	8.73E-10	1.78E-09	6.79E-10	4.46E-10	1.12E-09
5195	562810.1	4235424	7.03E-09	6.27E-09	1.33E-08	1.19E-09	1.01E-09	2.20E-09	5.68E-09	4.60E-09	1.03E-08	9.30E-10	8.92E-10	1.82E-09	6.95E-10	4.56E-10	1.15E-09
5196	562818.5	4235429	7.19E-09	6.41E-09	1.36E-08	1.22E-09	1.03E-09	2.25E-09	5.80E-09	4.70E-09	1.05E-08	9.50E-10	9.12E-10	1.86E-09	7.10E-10	4.66E-10	1.18E-09
5197	562827	4235433	7.34E-09	6.55E-09	1.39E-08	1.25E-09	1.05E-09	2.30E-09	5.93E-09	4.80E-09	1.07E-08	9.71E-10	9.31E-10	1.90E-09	7.25E-10	4.76E-10	1.20E-09
5198	562835.4	4235438	7.49E-09	6.68E-09	1.42E-08	1.27E-09	1.07E-09	2.34E-09	6.05E-09	4.90E-09	1.10E-08	9.91E-10	9.51E-10	1.94E-09	7.40E-10	4.86E-10	1.23E-09
5199	562843.9	4235442	7.65E-09	6.82E-09	1.45E-08	1.30E-09	1.09E-09	2.39E-09	6.17E-09	5.00E-09	1.12E-08	1.01E-09	9.70E-10	1.98E-09	7.55E-10	4.96E-10	1.25E-09
5200	562852.3	4235447	7.80E-09	6.96E-09	1.48E-08	1.32E-09	1.12E-09	2.44E-09	6.30E-09	5.11E-09	1.14E-08	1.03E-09	9.90E-10	2.02E-09	7.70E-10	5.06E-10	1.28E-09
5201	562860.8	4235451	7.99E-09	7.13E-09	1.51E-08	1.36E-09	1.14E-09	2.50E-09	6.45E-09	5.23E-09	1.17E-08	1.06E-09	1.01E-09	2.07E-09	7.89E-10	5.18E-10	1.31E-09
5202	562869.2	4235456	8.17E-09	7.29E-09	1.55E-08	1.39E-09	1.17E-09	2.56E-09	6.60E-09	5.35E-09	1.19E-08	1.08E-09	1.04E-09	2.12E-09	8.07E-10	5.30E-10	1.34E-09
5203	562877.7	4235460	8.35E-09	7.45E-09	1.58E-08	1.42E-09	1.19E-09	2.61E-09	6.74E-09	5.46E-09	1.22E-08	1.10E-09	1.06E-09	2.16E-09	8.24E-10	5.41E-10	1.37E-09
5204	562886.1	4235465	8.51E-09	7.60E-09	1.61E-08	1.44E-09	1.22E-09	2.66E-09	6.87E-09	5.57E-09	1.24E-08	1.13E-09	1.08E-09	2.21E-09	8.41E-10	5.52E-10	1.39E-09
5205	562894.6	4235470	8.70E-09	7.76E-09	1.65E-08	1.48E-09	1.24E-09	2.72E-09	7.02E-09	5.69E-09	1.27E-08	1.15E-09	1.10E-09	2.25E-09	8.59E-10	5.64E-10	1.42E-09
5206	562903	4235474	8.89E-09	7.93E-09	1.68E-08	1.51E-09	1.27E-09	2.78E-09	7.18E-09	5.82E-09	1.30E-08	1.18E-09	1.13E-09	2.30E-09	8.78E-10	5.76E-10	1.45E-09
5207	562911.5	4235479	9.11E-09	8.13E-09	1.72E-08	1.55E-09	1.30E-09	2.85E-09	7.36E-09	5.96E-09	1.33E-08	1.20E-09	1.16E-09	2.36E-09	9.00E-10	5.90E-10	1.49E-09
5208	562919.9	4235483	9.30E-09	8.30E-09	1.76E-08	1.58E-09	1.33E-09	2.91E-09	7.51E-09	6.09E-09	1.36E-08	1.23E-09	1.18E-09	2.41E-09	9.19E-10	6.03E-10	1.52E-09
5209	562928.4	4235488	9.48E-09	8.46E-09	1.79E-08	1.61E-09	1.36E-09	2.96E-09	7.66E-09	6.20E-09	1.39E-08	1.25E-09	1.20E-09	2.46E-09	9.36E-10	6.15E-10	1.55E-09
5210	562936.8	4235492	9.66E-09	8.62E-09	1.83E-08	1.64E-09	1.38E-09	3.02E-09	7.80E-09	6.32E-09	1.41E-08	1.28E-09	1.23E-09	2.50E-09	9.54E-10	6.26E-10	1.58E-09
5211	562945.3	4235497	9.84E-09	8.78E-09	1.86E-08	1.67E-09	1.41E-09	3.08E-09	7.95E-09	6.44E-09	1.44E-08	1.30E-09	1.25E-09	2.55E-09	9.72E-10	6.38E-10	1.61E-09
5212	562953.7	4235501	1.00E-08	8.94E-09	1.90E-08	1.70E-09	1.43E-09	3.13E-09	8.09E-09	6.56E-09	1.47E-08	1.33E-09	1.27E-09	2.60E-09	9.90E-10	6.50E-10	1.64E-09
5213	562750.6	4235434	5.82E-09	5.19E-09	1.10E-08	9.87E-10	8.32E-10	1.82E-09	4.70E-09	3.81E-09	8.50E-09	7.69E-10	7.38E-10	1.51E-09	5.74E-10	3.77E-10	9.51E-10
5214	562743.9	4235428	5.71E-09	5.09E-09	1.08E-08	9.69E-10	8.17E-10	1.79E-09	4.61E-09	3.74E-09	8.35E-09	7.55E-10	7.25E-10	1.48E-09	5.64E-10	3.70E-10	9.34E-10
5215	562737.2	4235421	5.60E-09	5.00E-09	1.06E-08	9.51E-10	8.01E-10	1.75E-09	4.52E-09	3.67E-09	8.19E-09	7.41E-10	7.11E-10	1.45E-09	5.53E-10	3.63E-10	9.16E-10
5216	562730.5	4235414	5.49E-09	4.90E-09	1.04E-08	9.32E-10	7.85E-10	1.72E-09	4.43E-09	3.59E-09	8.03E-09	7.26E-10	6.97E-10	1.42E-09	5.42E-10	3.56E-10	8.98E-10
5217	562723.8	4235408	5.38E-09	4.80E-09	1.02E-08	9.13E-10	7.70E-10	1.68E-09	4.34E-09	3.52E-09	7.87E-09	7.12E-10	6.83E-10	1.39E-09	5.31E-10	3.49E-10	8.80E-10
5218	562717.1	4235401	5.27E-09	4.70E-09	9.97E-09	8.94E-10	7.54E-10	1.65E-09	4.25E-09	3.45E-09	7.70E-09	6.97E-10	6.69E-10	1.37E-09	5.20E-10	3.41E-10	8.62E-10
5219	562710.4	4235394	5.16E-09	4.60E-09	9.76E-09	8.75E-10	7.38E-10	1.61E-09	4.16E-09	3.37E-09	7.54E-09	6.82E-10	6.54E-10	1.34E-09	5.09E-10	3.34E-10	8.44E-10
5220	562703.7	4235388	5.05E-09	4.50E-09	9.55E-09	8.56E-10	7.22E-10	1.58E-09	4.07E-09	3.30E-09	7.38E-09	6.67E-10	6.40E-10	1.31E-09	4.98E-10	3.27E-10	8.25E-10
5221	562697	4235381	4.94E-09	4.40E-09	9.34E-09	8.38E-10	7.06E-10	1.54E-09	3.99E-09	3.23E-09	7.22E-09	6.53E-10	6.26E-10	1.28E-09	4.88E-10	3.20E-10	8.08E-10
5222	562690.3	4235374	4.83E-09	4.31E-09	9.14E-09	8.20E-10	6.91E-10	1.51E-09	3.90E-09	3.16E-09	7.06E-09	6.39E-10	6.13E-10	1.25E-09	4.77E-10	3.13E-10	7.90E-10
5223	562683.6	4235368	4.73E-09	4.22E-09	8.94E-09	8.02E-10	6.76E-10	1.48E-09	3.82E-09	3.09E-09	6.91E-09	6.25E-10	6.00E-10	1.22E-09	4.67E-10	3.06E-10	7.73E-10
5224	562676.9	4235361	4.63E-09	4.13E-09	8.75E-09	7.85E-10	6.62E-10	1.45E-09	3.74E-09	3.03E-09	6.76E-09	6.12E-10	5.87E-10	1.20E-09	4.57E-10	3.00E-10	7.57E-10
5225	562670.3	4235354	4.53E-09	4.04E-09	8.57E-09	7.69E-10	6.48E-10	1.42E-09	3.66E-09	2.96E-09	6.62E-09	5.99E-10	5.75E-10	1.17E-09	4.47E-10	2.94E-10	7.41E-10
5226	562663.6	4235347	4.44E-09	3.96E-09	8.40E-09	7.53E-10	6.35E-10	1.39E-09	3.58E-09	2.90E-09	6.49E-09	5.87E-10	5.63E-10	1.15E-09	4.38E-10	2.88E-10	7.26E-10
5227	562656.9	4235341	4.35E-09	3.88E-09	8.24E-09	7.39E-10	6.22E-10	1.36E-09	3.51E-09	2.85E-09	6.36E-09	5.76E-10	5.52E-10	1.13E-09	4.30E-10	2.82E-10	7.12E-10
5228	562650.2	4235334	4.27E-09	3.81E-09	8.08E-09	7.25E-10	6.11E-10	1.34E-09	3.45E-09	2.79E-09	6.24E-09	5.65E-10	5.42E-10	1.11E-09	4.22E-10	2.77E-10	6.99E-10
5229	562643.5	4235327	4.19E-09	3.74E-09	7.94E-09	7.12E-10	6.00E-10	1.31E-09	3.39E-09	2.74E-09	6.13E-09	5.55E-10	5.32E-10	1.09E-09	4.14E-10	2.72E-10	6.86E-10
5230	562636.8	4235321	4.12E-09	3.68E-09	7.80E-09	6.99E-10	5.89E-10	1.29E-09	3.33E-09	2.70E-09	6.03E-09	5.45E-10	5.23E-10	1.07E-09	4.07E-10	2.67E-10	6.74E-10
5231	562630.1	4235314	4.06E-09	3.62E-09	7.67E-09	6.88E-10	5.80E-10	1.27E-09	3.27E-09	2.65E-09	5.93E-09	5.36E-10	5.15E-10	1.05E-09	4.00E-10	2.63E-10	6.63E-10
5232	562623.4	4235307	3.99E-09	3.56E-09	7.55E-09	6.77E-10	5.71E-10	1.25E-09	3.22E-09	2.61E-09	5.84E-09	5.28E-10	5.07E-10	1.03E-09	3.94E-10	2.59E-10	6.53E-10
5233	562616.7	4235301	3.93E-09	3.51E-09	7.44E-09	6.67E-10	5.63E-10	1.23E-09	3.18E-09	2.57E-09	5.75E-09	5.20E-10	4.99E-10	1.02E-09	3.88E-10	2.55E-10	6.43E-10
5234	562610	4235294	3.88E-09	3.46E-09	7.34E-09	6.58E-10	5.55E-10	1.21E-09	3.13E-09	2.54E-09	5.67E-09	5.13E-10	4.92E-10	1.01E-09	3.83E-10	2.51E-10	6.34E-10
5235	562603.3	4235287	3.83E-09	3.41E-09	7.24E-09	6.49E-10	5.47E-10	1.20E-09	3.09E-09	2.50E-09	5.59E-09	5.06E-10	4.86E-10	9.92E-10	3.78E-10	2.48E-10	6.26E-10
5236	562596.6	4235281	3.78E-09	3.37E-09	7.15E-09	6.41E-10	5.40E-10	1.18E-09	3.05E-09	2.47E-09	5.52E-09	5.00E-10	4.79E-10	9.79E-10	3.73E-10	2.45E-10	6.18E-10
5237	562589.9	4235274	3.73E-09	3.33E-09	7.06E-09	6.33E-10	5.34E-10	1.17E-09	3.01E-09	2.44E-09	5.45E-09	4.93E-10	4.73E-10	9.67E-10	3.69E-10	2.42E-10	6.10E-10
5238	562583.2	4235267	3.68E-09	3.29E-09	6.97E-09	6.25E-10	5.27E-10	1.15E-09	2.98E-09	2.41E-09	5.39E-09	4.87E-10	4.68E-10	9.55E-10	3.64E-10	2.39E-10	6.03E-10
5239	562576.5	4235261	3.62E-09	3.23E-09	6.84E-09	6.14E-10	5.17E-10	1.13E-09	2.92E-09	2.37E-09	5.29E-09	4.78E-10	4.59E-10	9.37E-10	3.57E-10	2.34E-10	5.91E-10
5240	562569.8	4235254	3.56E-09	3.18E-09	6.74E-09	6.05E-10	5.10E-10	1.11E-09	2.88E-09	2.33E-09	5.21E-09	4.71E-10	4.52E-10	9.24E-10	3.52E-10	2.31E-10	5.83E-10
5241	562563.1	4235247	3.53E-09	3.14E-09	6.67E-09	5.98E-10	5.04E-10	1.10E-09	2.85E-09	2.31E-09	5.15E-09	4.66E-10	4.47E-10	9.14E-10	3.48E-10	2.28E-10	5.77E-10
5242	562556.4	4235241	3.50E-09	3.12E-09	6.62E-09	5.94E-10	5.01E-10	1.09E-09	2.83E-09	2.29E-09	5.12E-09	4.63E-10	4.44E-10	9.07E-10	3.46E-10	2.27E-10	5.73E-10
5243	562549.7	4235234	3.46E-09	3.09E-09	6.55E-09	5.87E-10	4.95E-10	1.08E-09	2.80E-09	2.27E-09	5.06E-09	4.58E-10	4.39E-10	8.97E-10	3.42E-10	2.24E-10	5.66E-10
5244	562543	4235227	3.41E-09	3.04E-09	6.44E-09	5.78E-10	4.87E-10	1.06E-09	2.75E-09	2.23E-09	4.98E-09	4.50E-10	4.32E-10	8.82E-10	3.36E-10	2.21E-10	5.57E-10
5245	562536.3	4235220	3.36E-09	3.00E-09	6.36E-09	5.70E-10	4.81E-10	1.05E-09	2.71E-09	2.20E-09	4.91E-09	4.45E-10	4.27E-10	8.71E-10	3.32E-10	2.18E-10	5.50E-10
5246	562529.6	4235214	3.33E-09	2.97E-09	6.30E-09	5.65E-10	4.76E-10	1.04E-09	2.69E-09	2.18E-09	4.87E-09	4.41E-10	4.23E-10	8.63E-10	3.29E-10	2.16E-10	5.45E-10
5247	562523	4235207	3.31E-09	2.95E-09	6.26E-09	5.62E-10	4.73E-10	1.04E-09	2.67E-09	2.17E-09	4.84E-09	4.38E-10	4.20E-10	8.58E-10	3.27E-10	2.15E-10	5.41E-10
5248	562516.3	4235200	3.25E-09	2.90E-09	6.15E-09	5.52E-10	4.65E-10	1.02E-09	2.63E-09	2.13E-09	4.75E-09	4.30E-10	4.13E-10	8.43E-10	3.21E-10	2.11E-10	5.32E-10
5249	562509.6	4235194	3.20E-09	2.86E-09	6.06E-09	5.43E-10	4.58E-10	1.00E-09	2.59E-09	2.10E-09	4.68E-09	4.24E-10	4.06E-10	8.30E-10	3.16E-10	2.08E-10	5.24E-10
5250	562502.9	4235187	3.17E-09	2.83E-09	5.99E-09	5.37E-10	4.53E-10	9.90E-10	2.56E-09	2.07E-09	4.63E-09	4.19E-10	4.02E-10	8.21E-10	3.13E-10	2.05E-10	5.18E-10
5251	562496.2	4235180	3.14E-09	2.81E-09	5.95E-09	5.34E-10	4.50E-10	9.83E-10	2.54E-09	2.06E-09	4.60E-09	4.16E-10	3.99E-10	8.15E-10	3.11E-10	2.04E-10	5.14E-10
5252	562487.6	4235164	3.11E-09	2.77E-09	5.88E-09	5.27E-10	4.44E-10	9.72E-10	2.51E-09	2.03E-09	4.54E-09	4.11E-10	3.94E-10	8.05E-10	3.07E-10	2.01E-10	5.08E-10
5253	562485.6	4235155	3.11E-09	2.78E-09	5.89E-09	5.28E-10	4.45E-10	9.74E-10	2.51E-09	2.04E-09	4.55E-09	4.12E-10	3.95E-10	8.07E-10	3.07E-10	2.02E-10	5.09E-10
5254	562483.7	4235146	3.13E-09	2.79E-09	5.91E-09	5.30E-10	4.47E-10	9.77E-10	2.52E-09	2.05E-09	4.57E-09	4.13E-10	3.97E-10	8.10E-10	3.09E-10	2.03E-10	5.11E-10
5255	562481.8	4235137	3.13E-09	2.79E-09	5.92E-09	5.31E-10	4.48E-10	9.79E-10	2.53E-09	2.05E-09	4.58E-09	4.14E-10	3.97E-10	8.11E-10	3.09E-10	2.03E-10	5.12E-10
5256	562479.9	4235127	3.14E-09	2.80E-09	5.94E-09	5.33E-10	4.49E-10	9.82E-10	2.53E-09	2.05E-09	4.59E-09	4.15E-10	3.98E-10	8.14E-10	3.10E-10	2.03E-10	5.14E-10
5257	562477.9	4235118	3.15E-09	2.81E-09	5.96E-09	5.35E-10	4.51E-10	9.85E-10	2.54E-09	2.06E-09	4.61E-09	4.17E-10	4.00E-10	8.17E-10	3.11E-10	2.04E-10	5.15E-10
5258	562476	4235109	3.17E-09	2.83E-09	5.99E-09	5.37E-10	4.53E-10	9.90E-10	2.56E-09	2.07E-09	4.63E-09	4.19E-10	4.02E-10	8.21E-10	3.13E-10	2.05E-10	5.18E-10
5259	562474.1	4235100	3.19E-09	2.84E-09	6.03E-09	5.41E-10	4.56E-10	9.97E-10	2.57E-09	2.09E-09	4.66E-09	4.22E-10	4.04E-10	8.26E-10	3.15E-10	2.07E-10	5.21E-10
5260	562472.2	4235090	3.21E-09	2.87E-09	6.08E-09	5.45E-10	4.60E-10	1.00E-09	2.59E-09	2.10E-09	4.70E-09	4.25E-10	4.08E-10	8.33E-10	3.17E-10	2.08E-10	5.26E-10
5261	562470.3	4235081	3.25E-09	2.90E-09	6.14E-09	5.51E-10	4.64E-10	1.01E-09	2.62E-09	2.12E-09	4.74E-09	4.29E-10	4.12E-10	8.41E-10	3.21E-10	2.10E-10	5.31E-10
5262	562468.3	4235072	3.28E-09	2.93E-09	6.21E-09	5.57E-10	4.70E-10	1.03E-09	2.65E-09	2.15E-09	4.80E-09	4.34E-10	4.17E-10	8.51E-10	3.24E-10	2.13E-10	5.37E-10
5263	562466.4	4235062	3.33E-09	2.97E-09	6.30E-09	5.65E-10	4.76E-10	1.04E-09	2.69E-09	2.18E-09	4.87E-09	4.40E-10	4.23E-10	8.63E-10	3.29E-10	2.16E-10	5.45E-10
5264	562464.5	4235053	3.38E-09	3.02E-09	6.40E-09	5.74E-10	4.84E-10	1.06E-09	2.73E-09	2.21E-09	4.95E-09	4.47E-10	4.29E-10	8.77E-10	3.34E-10	2.19E-10	5.53E-10
5265	562462.6	4235044	3.45E-09	3.07E-09	6.52E-09	5.85E-10	4.93E-10	1.08E-09	2.78E-09	2.25E-09	5.04E-09	4.56E-10	4.37E-10	8.93E-10	3.40E-10	2.23E-10	5.64E-10
5266	562460.6	4235035	3.52E-09	3.14E-09	6.65E-09	5.97E-10	5.03E-10	1.10E-09	2.84E-09	2.30E-09	5.14E-09	4.65E-10	4.46E-10	9.11E-10	3.47E-10	2.28E-10	5.75E-10
5267	562458.7	4235025	3.60E-09	3.21E-09	6.81E-09	6.10E-10	5.14E-10	1.12E-09	2.90E-09	2.35E-09	5.26E-09	4.76E-10	4.56E-10	9.32E-10	3.55E-10	2.33E-10	5.88E-10
5268	562456.8	4235016	3.69E-09	3.29E-09	6.98E-09	6.26E-10	5.27E-10	1.15E-09	2.98E-09	2.41E-09	5.39E-09	4.88E-10	4.68E-10	9.56E-10	3.64E-10	2.39E-10	6.03E-10
5269	562454.9	4235007	3.79E-09	3.38E-09	7.17E-09	6.43E-10	5.42E-10	1.18E-09	3.06E-09	2.48E-09	5.54E-09	5.01E-10	4.81E-10	9.82E-10	3.74E-10	2.45E-10	6.20E-10
5270	562453	4234998	3.90E-09	3.48E-09	7.38E-09	6.62E-10	5.58E-10	1.22E-09	3.15E-09	2.55E-09	5.70E-09	5.16E-10	4.95E-10	1.01E-09	3.85E-10	2.53E-10	6.38E-10
5271	562451	4234988	4.02E-09	3.59E-09	7.61E-09	6.82E-10	5.75E-10	1.26E-09	3.25E-09	2.63E-09	5.88E-09	5.32E-10	5.10E-10	1.04E-09	3.97E-10	2.61E-10	6.58E-10
5272	562449.1	4234979	4.16E-09	3.71E-09	7.86E-09	7.05E-10	5.94E-10	1.30E-09	3.36E-09	2.72E-09	6.07E-09	5.50E-10	5.27E-10	1.08E-09	4.10E-10	2.69E-10	6.80E-10
5273	562447.2	4234970	4.30E-09	3.84E-09	8.14E-09	7.30E-10	6.15E-10	1.34E-09	3.47E-09	2.81E-09	6.29E-09	5.69E-10	5.46E-10	1.11E-09	4.25E-10	2.79E-10	7.04E-10
5274	562445.3	4234961	4.44E-09	3.96E-09	8.41E-09	7.54E-10	6.35E-10	1.39E-09	3.59E-09	2.91E-09	6.49E-09	5.88E-10	5.64E-10	1.15E-09	4.39E-10	2.88E-10	7.27E-10

5275	562443.3	4234951	4.58E-09	4.09E-09	8.67E-09	7.77E-10	6.55E-10	1.43E-09	3.70E-09	3.00E-09	6.70E-09	6.06E-10	5.81E-10	1.19E-09	4.52E-10	2.97E-10	7.49E-10
5276	562441.4	4234942	4.72E-09	4.21E-09	8.93E-09	8.01E-10	6.75E-10	1.48E-09	3.81E-09	3.09E-09	6.90E-09	6.24E-10	5.99E-10	1.22E-09	4.66E-10	3.06E-10	7.72E-10
5277	562439.5	4234933	4.88E-09	4.35E-09	9.22E-09	8.27E-10	6.97E-10	1.52E-09	3.94E-09	3.19E-09	7.13E-09	6.45E-10	6.19E-10	1.26E-09	4.81E-10	3.16E-10	7.97E-10
5278	562437.6	4234924	5.06E-09	4.52E-09	9.58E-09	8.59E-10	7.24E-10	1.58E-09	4.09E-09	3.31E-09	7.40E-09	6.70E-10	6.43E-10	1.31E-09	5.00E-10	3.28E-10	8.28E-10
5279	562435.7	4234914	5.27E-09	4.70E-09	9.98E-09	8.95E-10	7.54E-10	1.65E-09	4.26E-09	3.45E-09	7.71E-09	6.97E-10	6.69E-10	1.37E-09	5.21E-10	3.42E-10	8.63E-10
5280	562433.7	4234905	5.51E-09	4.92E-09	1.04E-08	9.35E-10	7.88E-10	1.72E-09	4.45E-09	3.61E-09	8.06E-09	7.29E-10	6.99E-10	1.43E-09	5.44E-10	3.57E-10	9.02E-10
5281	562431.8	4234896	5.83E-09	5.20E-09	1.10E-08	9.89E-10	8.34E-10	1.82E-09	4.71E-09	3.82E-09	8.52E-09	7.71E-10	7.40E-10	1.51E-09	5.76E-10	3.78E-10	9.54E-10
5282	562429.9	4234886	6.16E-09	5.50E-09	1.17E-08	1.05E-09	8.81E-10	1.93E-09	4.98E-09	4.03E-09	9.01E-09	8.15E-10	7.82E-10	1.60E-09	6.09E-10	3.99E-10	1.01E-09
5283	562428	4234877	6.51E-09	5.81E-09	1.23E-08	1.10E-09	9.31E-10	2.04E-09	5.26E-09	4.26E-09	9.52E-09	8.61E-10	8.26E-10	1.69E-09	6.43E-10	4.22E-10	1.06E-09
5284	562426	4234868	6.83E-09	6.09E-09	1.29E-08	1.16E-09	9.76E-10	2.13E-09	5.51E-09	4.47E-09	9.98E-09	9.03E-10	8.66E-10	1.77E-09	6.74E-10	4.42E-10	1.12E-09
5285	562424.1	4234859	7.15E-09	6.38E-09	1.35E-08	1.21E-09	1.02E-09	2.24E-09	5.77E-09	4.68E-09	1.05E-08	9.46E-10	9.07E-10	1.85E-09	7.06E-10	4.63E-10	1.17E-09
5286	562422.2	4234849	7.49E-09	6.68E-09	1.42E-08	1.27E-09	1.07E-09	2.34E-09	6.05E-09	4.90E-09	1.10E-08	9.91E-10	9.51E-10	1.94E-09	7.40E-10	4.86E-10	1.23E-09
5287	562420.3	4234840	7.85E-09	7.00E-09	1.49E-08	1.33E-09	1.12E-09	2.45E-09	6.34E-09	5.14E-09	1.15E-08	1.04E-09	9.96E-10	2.03E-09	7.75E-10	5.09E-10	1.28E-09
5288	562418.4	4234831	8.22E-09	7.34E-09	1.56E-08	1.40E-09	1.18E-09	2.57E-09	6.64E-09	5.38E-09	1.20E-08	1.09E-09	1.04E-09	2.13E-09	8.12E-10	5.33E-10	1.34E-09
5289	562416.4	4234822	8.61E-09	7.68E-09	1.63E-08	1.46E-09	1.23E-09	2.69E-09	6.95E-09	5.63E-09	1.26E-08	1.14E-09	1.09E-09	2.23E-09	8.50E-10	5.58E-10	1.41E-09
5290	562414.5	4234812	9.01E-09	8.03E-09	1.70E-08	1.53E-09	1.29E-09	2.82E-09	7.27E-09	5.89E-09	1.32E-08	1.19E-09	1.14E-09	2.33E-09	8.89E-10	5.84E-10	1.47E-09
5291	562757.3	4235441	5.92E-09	5.28E-09	1.12E-08	1.00E-09	8.47E-10	1.85E-09	4.78E-09	3.87E-09	8.65E-09	7.83E-10	7.51E-10	1.53E-09	5.85E-10	3.84E-10	9.68E-10
5292	562765.7	4235446	6.06E-09	5.40E-09	1.15E-08	1.03E-09	8.66E-10	1.89E-09	4.89E-09	3.96E-09	8.86E-09	8.01E-10	7.69E-10	1.57E-09	5.98E-10	3.93E-10	9.91E-10
5293	562774.2	4235450	6.19E-09	5.53E-09	1.17E-08	1.05E-09	8.86E-10	1.94E-09	5.00E-09	4.05E-09	9.06E-09	8.19E-10	7.86E-10	1.61E-09	6.12E-10	4.01E-10	1.01E-09
5294	562782.6	4235455	6.33E-09	5.65E-09	1.20E-08	1.07E-09	9.05E-10	1.98E-09	5.11E-09	4.14E-09	9.25E-09	8.37E-10	8.03E-10	1.64E-09	6.25E-10	4.10E-10	1.04E-09
5295	562791.1	4235459	6.46E-09	5.77E-09	1.22E-08	1.10E-09	9.24E-10	2.02E-09	5.22E-09	4.23E-09	9.45E-09	8.55E-10	8.20E-10	1.67E-09	6.38E-10	4.19E-10	1.06E-09
5296	562799.6	4235464	6.59E-09	5.88E-09	1.25E-08	1.12E-09	9.43E-10	2.06E-09	5.32E-09	4.32E-09	9.64E-09	8.72E-10	8.37E-10	1.71E-09	6.51E-10	4.27E-10	1.08E-09
5297	562808	4235468	6.73E-09	6.00E-09	1.27E-08	1.14E-09	9.62E-10	2.10E-09	5.43E-09	4.40E-09	9.83E-09	8.89E-10	8.53E-10	1.74E-09	6.64E-10	4.36E-10	1.10E-09
5298	562816.5	4235473	6.86E-09	6.12E-09	1.30E-08	1.16E-09	9.80E-10	2.14E-09	5.54E-09	4.49E-09	1.00E-08	9.07E-10	8.70E-10	1.78E-09	6.77E-10	4.44E-10	1.12E-09
5299	562824.9	4235477	6.99E-09	6.23E-09	1.32E-08	1.19E-09	9.99E-10	2.18E-09	5.64E-09	4.57E-09	1.02E-08	9.24E-10	8.86E-10	1.81E-09	6.90E-10	4.53E-10	1.14E-09
5300	562833.4	4235482	7.12E-09	6.35E-09	1.35E-08	1.21E-09	1.02E-09	2.23E-09	5.75E-09	4.66E-09	1.04E-08	9.41E-10	9.03E-10	1.84E-09	7.03E-10	4.61E-10	1.16E-09
5301	562841.8	4235487	7.25E-09	6.47E-09	1.37E-08	1.23E-09	1.04E-09	2.27E-09	5.85E-09	4.74E-09	1.06E-08	9.58E-10	9.20E-10	1.88E-09	7.16E-10	4.70E-10	1.19E-09
5302	562850.3	4235491	7.38E-09	6.58E-09	1.40E-08	1.25E-09	1.06E-09	2.31E-09	5.96E-09	4.83E-09	1.08E-08	9.76E-10	9.37E-10	1.91E-09	7.29E-10	4.78E-10	1.21E-09
5303	562858.7	4235496	7.52E-09	6.71E-09	1.42E-08	1.28E-09	1.08E-09	2.35E-09	6.07E-09	4.92E-09	1.10E-08	9.94E-10	9.54E-10	1.95E-09	7.42E-10	4.87E-10	1.23E-09
5304	562867.2	4235500	7.66E-09	6.83E-09	1.45E-08	1.30E-09	1.10E-09	2.39E-09	6.18E-09	5.01E-09	1.12E-08	1.01E-09	9.72E-10	1.98E-09	7.56E-10	4.96E-10	1.25E-09
5305	562875.6	4235505	7.80E-09	6.96E-09	1.48E-08	1.32E-09	1.12E-09	2.44E-09	6.30E-09	5.10E-09	1.14E-08	1.03E-09	9.90E-10	2.02E-09	7.70E-10	5.06E-10	1.28E-09
5306	562884.1	4235509	7.95E-09	7.09E-09	1.50E-08	1.35E-09	1.14E-09	2.49E-09	6.42E-09	5.20E-09	1.16E-08	1.05E-09	1.01E-09	2.06E-09	7.85E-10	5.15E-10	1.30E-09
5307	562892.5	4235514	8.13E-09	7.25E-09	1.54E-08	1.38E-09	1.16E-09	2.54E-09	6.56E-09	5.32E-09	1.19E-08	1.07E-09	1.03E-09	2.11E-09	8.03E-10	5.27E-10	1.33E-09
5308	562901	4235518	8.30E-09	7.40E-09	1.57E-08	1.41E-09	1.19E-09	2.59E-09	6.70E-09	5.43E-09	1.21E-08	1.10E-09	1.05E-09	2.15E-09	8.19E-10	5.38E-10	1.36E-09
5309	562909.4	4235523	8.46E-09	7.55E-09	1.60E-08	1.44E-09	1.21E-09	2.64E-09	6.83E-09	5.53E-09	1.24E-08	1.12E-09	1.07E-09	2.19E-09	8.35E-10	5.48E-10	1.38E-09
5310	562917.9	4235528	8.60E-09	7.67E-09	1.63E-08	1.46E-09	1.23E-09	2.69E-09	6.95E-09	5.63E-09	1.26E-08	1.14E-09	1.09E-09	2.23E-09	8.50E-10	5.58E-10	1.41E-09
5311	562926.3	4235532	8.74E-09	7.80E-09	1.65E-08	1.48E-09	1.25E-09	2.73E-09	7.06E-09	5.72E-09	1.28E-08	1.16E-09	1.11E-09	2.27E-09	8.63E-10	5.67E-10	1.43E-09
5312	562934.8	4235537	8.88E-09	7.92E-09	1.68E-08	1.51E-09	1.27E-09	2.78E-09	7.17E-09	5.81E-09	1.30E-08	1.17E-09	1.13E-09	2.30E-09	8.77E-10	5.76E-10	1.45E-09
5313	562731.6	4235470	5.40E-09	4.82E-09	1.02E-08	9.17E-10	7.73E-10	1.69E-09	4.36E-09	3.54E-09	7.90E-09	7.14E-10	6.85E-10	1.40E-09	5.33E-10	3.50E-10	8.84E-10
5314	562724.8	4235463	5.31E-09	4.73E-09	1.00E-08	9.01E-10	7.59E-10	1.66E-09	4.29E-09	3.47E-09	7.76E-09	7.02E-10	6.74E-10	1.38E-09	5.24E-10	3.44E-10	8.68E-10
5315	562718	4235456	5.21E-09	4.65E-09	9.86E-09	8.84E-10	7.45E-10	1.63E-09	4.21E-09	3.41E-09	7.62E-09	6.89E-10	6.61E-10	1.35E-09	5.15E-10	3.38E-10	8.52E-10
5316	562711.3	4235449	5.11E-09	4.56E-09	9.67E-09	8.67E-10	7.31E-10	1.60E-09	4.13E-09	3.35E-09	7.47E-09	6.76E-10	6.49E-10	1.32E-09	5.05E-10	3.31E-10	8.36E-10
5317	562704.5	4235443	5.01E-09	4.47E-09	9.48E-09	8.50E-10	7.17E-10	1.57E-09	4.05E-09	3.28E-09	7.33E-09	6.63E-10	6.36E-10	1.30E-09	4.95E-10	3.25E-10	8.20E-10
5318	562697.8	4235436	4.91E-09	4.38E-09	9.29E-09	8.33E-10	7.02E-10	1.54E-09	3.96E-09	3.21E-09	7.18E-09	6.49E-10	6.23E-10	1.27E-09	4.85E-10	3.18E-10	8.03E-10
5319	562691	4235429	4.81E-09	4.29E-09	9.10E-09	8.16E-10	6.88E-10	1.50E-09	3.88E-09	3.15E-09	7.03E-09	6.36E-10	6.10E-10	1.25E-09	4.75E-10	3.12E-10	7.86E-10
5320	562684.2	4235422	4.71E-09	4.20E-09	8.91E-09	7.99E-10	6.73E-10	1.47E-09	3.80E-09	3.08E-09	6.88E-09	6.22E-10	5.97E-10	1.22E-09	4.65E-10	3.05E-10	7.70E-10
5321	562677.5	4235416	4.61E-09	4.11E-09	8.72E-09	7.82E-10	6.59E-10	1.44E-09	3.72E-09	3.01E-09	6.73E-09	6.09E-10	5.85E-10	1.19E-09	4.55E-10	2.99E-10	7.54E-10
5322	562670.7	4235409	4.50E-09	4.01E-09	8.51E-09	7.63E-10	6.43E-10	1.41E-09	3.63E-09	2.94E-09	6.57E-09	5.94E-10	5.70E-10	1.16E-09	4.44E-10	2.91E-10	7.35E-10
5323	562663.9	4235402	4.38E-09	3.91E-09	8.29E-09	7.44E-10	6.27E-10	1.37E-09	3.54E-09	2.87E-09	6.41E-09	5.80E-10	5.56E-10	1.14E-09	4.33E-10	2.84E-10	7.17E-10
5324	562657.2	4235395	4.29E-09	3.83E-09	8.12E-09	7.28E-10	6.14E-10	1.34E-09	3.47E-09	2.81E-09	6.28E-09	5.68E-10	5.45E-10	1.11E-09	4.24E-10	2.78E-10	7.02E-10
5325	562650.4	4235388	4.22E-09	3.77E-09	7.99E-09	7.16E-10	6.04E-10	1.32E-09	3.41E-09	2.76E-09	6.17E-09	5.58E-10	5.36E-10	1.09E-09	4.17E-10	2.74E-10	6.91E-10
5326	562643.7	4235382	4.15E-09	3.70E-09	7.85E-09	7.04E-10	5.93E-10	1.30E-09	3.35E-09	2.71E-09	6.06E-09	5.48E-10	5.26E-10	1.07E-09	4.10E-10	2.69E-10	6.78E-10
5327	562636.9	4235375	4.04E-09	3.61E-09	7.65E-09	6.86E-10	5.78E-10	1.26E-09	3.27E-09	2.65E-09	5.91E-09	5.35E-10	5.13E-10	1.05E-09	3.99E-10	2.62E-10	6.62E-10
5328	562630.1	4235368	3.96E-09	3.54E-09	7.50E-09	6.72E-10	5.67E-10	1.24E-09	3.20E-09	2.59E-09	5.79E-09	5.24E-10	5.03E-10	1.03E-09	3.91E-10	2.57E-10	6.48E-10
5329	562623.4	4235361	3.90E-09	3.48E-09	7.38E-09	6.62E-10	5.58E-10	1.22E-09	3.15E-09	2.55E-09	5.70E-09	5.16E-10	4.95E-10	1.01E-09	3.85E-10	2.53E-10	6.38E-10
5330	562616.6	4235355	3.85E-09	3.44E-09	7.29E-09	6.53E-10	5.51E-10	1.20E-09	3.11E-09	2.52E-09	5.63E-09	5.09E-10	4.89E-10	9.98E-10	3.80E-10	2.50E-10	6.30E-10
5331	562609.8	4235348	3.77E-09	3.36E-09	7.13E-09	6.40E-10	5.39E-10	1.18E-09	3.04E-09	2.47E-09	5.51E-09	4.99E-10	4.78E-10	9.77E-10	3.72E-10	2.44E-10	6.17E-10
5332	562603.1	4235341	3.68E-09	3.28E-09	6.96E-09	6.25E-10	5.26E-10	1.15E-09	2.97E-09	2.41E-09	5.38E-09	4.87E-10	4.67E-10	9.54E-10	3.64E-10	2.39E-10	6.02E-10
5333	562596.3	4235334	3.60E-09	3.21E-09	6.80E-09	6.10E-10	5.14E-10	1.12E-09	2.90E-09	2.35E-09	5.26E-09	4.76E-10	4.56E-10	9.32E-10	3.55E-10	2.33E-10	5.88E-10
5334	562589.5	4235328	3.52E-09	3.14E-09	6.65E-09	5.97E-10	5.03E-10	1.10E-09	2.84E-09	2.30E-09	5.14E-09	4.65E-10	4.46E-10	9.11E-10	3.47E-10	2.28E-10	5.75E-10
5335	562582.8	4235321	3.47E-09	3.09E-09	6.56E-09	5.88E-10	4.96E-10	1.08E-09	2.80E-09	2.27E-09	5.07E-09	4.59E-10	4.40E-10	8.99E-10	3.42E-10	2.25E-10	5.67E-10
5336	562576	4235314	3.44E-09	3.07E-09	6.51E-09	5.84E-10	4.92E-10	1.08E-09	2.78E-09	2.25E-09	5.03E-09	4.55E-10	4.37E-10	8.92E-10	3.40E-10	2.23E-10	5.63E-10
5337	562569.3	4235307	3.40E-09	3.04E-09	6.44E-09	5.78E-10	4.87E-10	1.06E-09	2.75E-09	2.23E-09	4.98E-09	4.50E-10	4.32E-10	8.82E-10	3.36E-10	2.21E-10	5.57E-10
5338	562562.5	4235301	3.36E-09	2.99E-09	6.35E-09	5.69E-10	4.80E-10	1.05E-09	2.71E-09	2.20E-09	4.91E-09	4.44E-10	4.26E-10	8.70E-10	3.31E-10	2.17E-10	5.49E-10
5339	562555.7	4235294	3.30E-09	2.94E-09	6.24E-09	5.59E-10	4.71E-10	1.03E-09	2.66E-09	2.16E-09	4.82E-09	4.36E-10	4.18E-10	8.54E-10	3.25E-10	2.14E-10	5.39E-10
5340	562549	4235287	3.25E-09	2.90E-09	6.15E-09	5.52E-10	4.65E-10	1.02E-09	2.62E-09	2.13E-09	4.75E-09	4.30E-10	4.13E-10	8.42E-10	3.21E-10	2.11E-10	5.32E-10
5341	562542.2	4235280	3.22E-09	2.87E-09	6.08E-09	5.46E-10	4.60E-10	1.01E-09	2.60E-09	2.10E-09	4.70E-09	4.25E-10	4.08E-10	8.33E-10	3.18E-10	2.08E-10	5.26E-10
5342	562535.4	4235274	3.18E-09	2.84E-09	6.02E-09	5.40E-10	4.55E-10	9.95E-10	2.57E-09	2.08E-09	4.65E-09	4.21E-10	4.04E-10	8.24E-10	3.14E-10	2.06E-10	5.20E-10
5343	562528.7	4235267	3.15E-09	2.81E-09	5.95E-09	5.34E-10	4.50E-10	9.84E-10	2.54E-09	2.06E-09	4.60E-09	4.16E-10	3.99E-10	8.15E-10	3.11E-10	2.04E-10	5.15E-10
5344	562521.9	4235260	3.12E-09	2.78E-09	5.90E-09	5.29E-10	4.46E-10	9.75E-10	2.52E-09	2.04E-09	4.56E-09	4.12E-10	3.96E-10	8.08E-10	3.08E-10	2.02E-10	5.10E-10
5345	562515.2	4235253	3.10E-09	2.76E-09	5.86E-09	5.26E-10	4.43E-10	9.69E-10	2.50E-09	2.03E-09	4.53E-09	4.10E-10	3.93E-10	8.03E-10	3.06E-10	2.01E-10	5.07E-10
5346	562508.4	4235247	3.06E-09	2.73E-09	5.80E-09	5.20E-10	4.38E-10	9.58E-10	2.47E-09	2.01E-09	4.48E-09	4.05E-10	3.89E-10	7.94E-10	3.03E-10	1.99E-10	5.01E-10
5347	562501.6	4235240	3.02E-09	2.69E-09	5.71E-09	5.12E-10	4.32E-10	9.44E-10	2.44E-09	1.98E-09	4.41E-09	3.99E-10	3.83E-10	7.82E-10	2.98E-10	1.96E-10	4.94E-10
5348	562494.9	4235233	2.98E-09	2.65E-09	5.63E-09	5.05E-10	4.25E-10	9.30E-10	2.40E-09	1.95E-09	4.35E-09	3.93E-10	3.77E-10	7.71E-10	2.94E-10	1.93E-10	4.87E-10
5349	562488.1	4235226	2.95E-09	2.63E-09	5.59E-09	5.01E-10	4.22E-10	9.24E-10	2.38E-09	1.93E-09	4.32E-09	3.91E-10	3.75E-10	7.65E-10	2.92E-10	1.91E-10	4.83E-10
5350	562481.3	4235220	2.93E-09	2.61E-09	5.54E-09	4.96E-10	4.18E-10	9.15E-10	2.36E-09	1.91E-09	4.28E-09	3.87E-10	3.71E-10	7.58E-10	2.89E-10	1.90E-10	4.79E-10
5351	562474.6	4235213	2.89E-09	2.57E-09	5.46E-09	4.90E-10	4.13E-10	9.02E-10	2.33E-09	1.89E-09	4.22E-09	3.82E-10	3.66E-10	7.48E-10	2.85E-10	1.87E-10	4.72E-10
5352	562467.8	4235206	2.84E-09	2.53E-09	5.37E-09	4.81E-10	4.06E-10	8.87E-10	2.29E-09	1.86E-09	4.15E-09	3.75E-10	3.60E-10	7.35E-10	2.80E-10	1.84E-10	4.64E-10
5353	562461	4235199	2.81E-09	2.51E-09	5.32E-09	4.77E-10	4.02E-10	8.79E-10	2.27E-09	1.84E-09	4.11E-09	3.72E-10	3.57E-10	7.28E-10	2.78E-10	1.82E-10	4.60E-10
5354	562452.3	4235183	2.78E-09	2.48E-09	5.26E-09	4.71E-10	3.97E-10	8.69E-10	2.24E-09	1.82E-09	4.06E-09	3.67E-10	3.53E-10	7.20E-10	2.74E-10	1.80E-10	4.54E-10
5355	562450.4	4235174	2.77E-09	2.47E-09	5.25E-09	4.70E-10	3.97E-10	8.67E-10	2.24E-09	1.81E-09	4.05E-09	3.67E-10	3.52E-10	7.18E-10	2.74E-10	1.80E-10	4.54E-10
5356	562448.5	4235165	2.79E-09	2.49E-09	5.28E-09	4.73E-10	3.99E-10	8.72E-10	2.25E-09	1.83E-09	4.08E-09	3.69E-10	3.54E-10	7.23E-10	2.75E-10	1.81E-10	4.56E-10
5357	562446.5	4235155	2.80E-09	2.50E-09	5.30E-09	4.76E-10	4.01E-10	8.77E-10	2.26E-09	1.83E-09	4.10E-09	3.71E-10	3.56E-10	7.26E-10	2.77E-10	1.82E-10	4.59E-10
5358	562444.6	4235146	2.82E-09	2.51E-09	5.33E-09	4.78E-10	4.03E-10	8.80E-10	2.27E-09	1.84E-09	4.12E-09	3.72E-10	3.57E-10	7.30E-10	2.78E-10	1.82E-10	4.61E-10
5359	562442.6	4235137	2.82E-09	2.51E-09	5.33E-09	4.78E-10	4.03E-10	8.81E-10	2.27E-09	1.84E-09	4.12E-09	3.73E-10	3.57E-10	7.30E-10	2.78E-10	1.83E-10	4.61E-10
5360	562440.7	4235127	2.82E-09	2.52E-09	5.34E-09	4.79E-10	4.04E-10	8.82E-10	2.28E-09	1.85E-09	4.13E-09	3.73E-10	3.58E-10	7.31E-10	2.79E-10	1.83E-10	4.62E-10
5361	562438.8	4235118	2.83E-09	2.53E-09	5.36E-09	4.80E-10	4.05E-10	8.85E-10	2.29E-09	1.85E-09	4.14E-09	3.74E-10	3.59E-10	7.34E-10	2.80E-10	1.83E-10	4.63E-10
5362	562436.8	4235108	2.84E-09	2.54E-09	5.38E-09	4.83E-10	4.07E-10	8.89E-10	2.30E-09	1.86E-09	4.16E-09	3.76E-10	3.61E-10	7.37E-10	2.81E-10	1.84E-10	4.65E-10
5363	562434.9	4235099	2.86E-09	2.55E-09	5.42E-09	4.86E-10	4.09E-10	8.95E-10	2.31E-09	1.87E-09	4.18E-09	3.78E-10	3.63E-10	7.42E-10	2.83E-10	1.86E-10	4.68E-10
5364	562432.9	4235090	2.89E-09	2.58E-09	5.46E-09	4.90E-10	4.13E-10	9.03E-10	2.33E-09	1.89E-09	4.22E-09	3.82E-10	3.67E-10	7.48E-10	2.85E-10	1.87E-10	4.72E-10
5365	562431	4235080	2.94E-09	2.63E-09	5.57E-09	4.99E-10	4.21E-10	9.20E-10	2.38E-09	1.93E-09	4.30E-09	3.89E-10	3.73E-10	7.63E-10	2.91E-10	1.91E-10	4.81E-10

5366	562429	4235071	3.01E-09	2.69E-09	5.70E-09	5.11E-10	4.31E-10	9.42E-10	2.43E-09	1.97E-09	4.40E-09	3.98E-10	3.82E-10	7.80E-10	2.97E-10	1.95E-10	4.93E-10
5367	562427.1	4235062	3.08E-09	2.75E-09	5.83E-09	5.23E-10	4.41E-10	9.64E-10	2.49E-09	2.02E-09	4.51E-09	4.08E-10	3.91E-10	7.99E-10	3.04E-10	2.00E-10	5.04E-10
5368	562425.2	4235052	3.15E-09	2.81E-09	5.96E-09	5.34E-10	4.50E-10	9.84E-10	2.54E-09	2.06E-09	4.60E-09	4.16E-10	3.99E-10	8.16E-10	3.11E-10	2.04E-10	5.15E-10
5369	562423.2	4235043	3.21E-09	2.86E-09	6.07E-09	5.44E-10	4.59E-10	1.00E-09	2.59E-09	2.10E-09	4.69E-09	4.24E-10	4.07E-10	8.31E-10	3.17E-10	2.08E-10	5.24E-10
5370	562421.3	4235034	3.27E-09	2.92E-09	6.19E-09	5.55E-10	4.68E-10	1.02E-09	2.64E-09	2.14E-09	4.78E-09	4.33E-10	4.15E-10	8.48E-10	3.23E-10	2.12E-10	5.35E-10
5371	562419.3	4235024	3.35E-09	2.99E-09	6.33E-09	5.68E-10	4.79E-10	1.05E-09	2.70E-09	2.19E-09	4.89E-09	4.43E-10	4.25E-10	8.67E-10	3.31E-10	2.17E-10	5.48E-10
5372	562417.4	4235015	3.43E-09	3.06E-09	6.49E-09	5.82E-10	4.91E-10	1.07E-09	2.77E-09	2.25E-09	5.02E-09	4.54E-10	4.35E-10	8.89E-10	3.39E-10	2.22E-10	5.61E-10
5373	562415.5	4235006	3.52E-09	3.14E-09	6.67E-09	5.98E-10	5.04E-10	1.10E-09	2.85E-09	2.31E-09	5.15E-09	4.66E-10	4.47E-10	9.13E-10	3.48E-10	2.28E-10	5.77E-10
5374	562413.5	4234996	3.63E-09	3.23E-09	6.86E-09	6.15E-10	5.19E-10	1.13E-09	2.93E-09	2.37E-09	5.30E-09	4.80E-10	4.60E-10	9.40E-10	3.58E-10	2.35E-10	5.93E-10
5375	562411.6	4234987	3.76E-09	3.36E-09	7.12E-09	6.39E-10	5.38E-10	1.18E-09	3.04E-09	2.46E-09	5.50E-09	4.98E-10	4.78E-10	9.76E-10	3.72E-10	2.44E-10	6.16E-10
5376	562409.6	4234977	3.92E-09	3.50E-09	7.42E-09	6.65E-10	5.61E-10	1.23E-09	3.16E-09	2.56E-09	5.73E-09	5.18E-10	4.97E-10	1.02E-09	3.87E-10	2.54E-10	6.41E-10
5377	562407.7	4234968	4.09E-09	3.65E-09	7.74E-09	6.94E-10	5.85E-10	1.28E-09	3.30E-09	2.68E-09	5.98E-09	5.41E-10	5.19E-10	1.06E-09	4.04E-10	2.65E-10	6.69E-10
5378	562405.7	4234959	4.25E-09	3.79E-09	8.04E-09	7.21E-10	6.08E-10	1.33E-09	3.43E-09	2.78E-09	6.21E-09	5.62E-10	5.39E-10	1.10E-09	4.20E-10	2.75E-10	6.95E-10
5379	562403.8	4234949	4.41E-09	3.94E-09	8.35E-09	7.49E-10	6.31E-10	1.38E-09	3.56E-09	2.89E-09	6.45E-09	5.84E-10	5.60E-10	1.14E-09	4.36E-10	2.86E-10	7.22E-10
5380	562401.9	4234940	4.59E-09	4.10E-09	8.69E-09	7.79E-10	6.56E-10	1.44E-09	3.71E-09	3.00E-09	6.71E-09	6.07E-10	5.82E-10	1.19E-09	4.53E-10	2.98E-10	7.51E-10
5381	562399.9	4234931	4.78E-09	4.26E-09	9.04E-09	8.11E-10	6.83E-10	1.49E-09	3.86E-09	3.13E-09	6.99E-09	6.32E-10	6.06E-10	1.24E-09	4.72E-10	3.10E-10	7.82E-10
5382	562398	4234921	4.98E-09	4.44E-09	9.42E-09	8.45E-10	7.12E-10	1.56E-09	4.02E-09	3.26E-09	7.28E-09	6.59E-10	6.32E-10	1.29E-09	4.92E-10	3.23E-10	8.15E-10
5383	562396	4234912	5.19E-09	4.63E-09	9.83E-09	8.81E-10	7.43E-10	1.62E-09	4.19E-09	3.40E-09	7.59E-09	6.87E-10	6.59E-10	1.35E-09	5.13E-10	3.37E-10	8.50E-10
5384	562394.1	4234903	5.42E-09	4.84E-09	1.03E-08	9.20E-10	7.75E-10	1.70E-09	4.38E-09	3.55E-09	7.93E-09	7.17E-10	6.88E-10	1.41E-09	5.36E-10	3.51E-10	8.87E-10
5385	562392.2	4234893	5.66E-09	5.05E-09	1.07E-08	9.61E-10	8.10E-10	1.77E-09	4.57E-09	3.71E-09	8.28E-09	7.49E-10	7.19E-10	1.47E-09	5.59E-10	3.67E-10	9.27E-10
5386	562390.2	4234884	5.92E-09	5.28E-09	1.12E-08	1.00E-09	8.47E-10	1.85E-09	4.78E-09	3.88E-09	8.66E-09	7.83E-10	7.51E-10	1.53E-09	5.85E-10	3.84E-10	9.69E-10
5387	562388.3	4234875	6.19E-09	5.52E-09	1.17E-08	1.05E-09	8.86E-10	1.94E-09	5.00E-09	4.05E-09	9.05E-09	8.19E-10	7.86E-10	1.60E-09	6.12E-10	4.01E-10	1.01E-09
5388	562386.3	4234865	6.48E-09	5.78E-09	1.23E-08	1.10E-09	9.27E-10	2.03E-09	5.23E-09	4.24E-09	9.47E-09	8.57E-10	8.22E-10	1.68E-09	6.40E-10	4.20E-10	1.06E-09
5389	562384.4	4234856	6.78E-09	6.05E-09	1.28E-08	1.15E-09	9.70E-10	2.12E-09	5.47E-09	4.44E-09	9.91E-09	8.97E-10	8.60E-10	1.76E-09	6.70E-10	4.39E-10	1.11E-09
5390	562382.4	4234846	7.10E-09	6.33E-09	1.34E-08	1.20E-09	1.01E-09	2.22E-09	5.73E-09	4.64E-09	1.04E-08	9.39E-10	9.01E-10	1.84E-09	7.01E-10	4.60E-10	1.16E-09
5391	562380.5	4234837	7.43E-09	6.62E-09	1.41E-08	1.26E-09	1.06E-09	2.32E-09	6.00E-09	4.86E-09	1.09E-08	9.82E-10	9.42E-10	1.92E-09	7.33E-10	4.81E-10	1.21E-09
5392	562378.6	4234828	7.77E-09	6.93E-09	1.47E-08	1.32E-09	1.11E-09	2.43E-09	6.27E-09	5.08E-09	1.14E-08	1.03E-09	9.86E-10	2.01E-09	7.67E-10	5.04E-10	1.27E-09
5393	562376.6	4234818	8.12E-09	7.25E-09	1.54E-08	1.38E-09	1.16E-09	2.54E-09	6.56E-09	5.32E-09	1.19E-08	1.07E-09	1.03E-09	2.10E-09	8.02E-10	5.26E-10	1.33E-09
5394	562374.7	4234809	8.49E-09	7.57E-09	1.61E-08	1.44E-09	1.21E-09	2.65E-09	6.85E-09	5.55E-09	1.24E-08	1.12E-09	1.08E-09	2.20E-09	8.38E-10	5.50E-10	1.39E-09
5395	562738.3	4235476	5.49E-09	4.90E-09	1.04E-08	9.32E-10	7.86E-10	1.72E-09	4.44E-09	3.59E-09	8.03E-09	7.26E-10	6.97E-10	1.42E-09	5.43E-10	3.56E-10	8.99E-10
5396	562746.8	4235481	5.61E-09	5.01E-09	1.06E-08	9.53E-10	8.03E-10	1.76E-09	4.53E-09	3.67E-09	8.21E-09	7.43E-10	7.12E-10	1.45E-09	5.55E-10	3.64E-10	9.18E-10
5397	562755.2	4235485	5.73E-09	5.12E-09	1.08E-08	9.73E-10	8.20E-10	1.79E-09	4.63E-09	3.75E-09	8.38E-09	7.58E-10	7.28E-10	1.49E-09	5.66E-10	3.72E-10	9.38E-10
5398	562763.7	4235490	5.85E-09	5.22E-09	1.11E-08	9.93E-10	8.37E-10	1.83E-09	4.72E-09	3.83E-09	8.55E-09	7.74E-10	7.42E-10	1.52E-09	5.78E-10	3.79E-10	9.57E-10
5399	562772.1	4235494	5.97E-09	5.32E-09	1.13E-08	1.01E-09	8.53E-10	1.87E-09	4.82E-09	3.90E-09	8.72E-09	7.89E-10	7.57E-10	1.55E-09	5.89E-10	3.87E-10	9.76E-10
5400	562780.6	4235499	6.08E-09	5.42E-09	1.15E-08	1.03E-09	8.70E-10	1.90E-09	4.91E-09	3.98E-09	8.89E-09	8.04E-10	7.72E-10	1.58E-09	6.01E-10	3.94E-10	9.95E-10
5401	562789	4235504	6.19E-09	5.52E-09	1.17E-08	1.05E-09	8.86E-10	1.94E-09	5.00E-09	4.05E-09	9.05E-09	8.19E-10	7.86E-10	1.60E-09	6.12E-10	4.01E-10	1.01E-09
5402	562797.5	4235508	6.30E-09	5.62E-09	1.19E-08	1.07E-09	9.02E-10	1.97E-09	5.09E-09	4.13E-09	9.22E-09	8.34E-10	8.00E-10	1.63E-09	6.23E-10	4.09E-10	1.03E-09
5403	562805.9	4235513	6.42E-09	5.72E-09	1.21E-08	1.09E-09	9.17E-10	2.01E-09	5.18E-09	4.20E-09	9.38E-09	8.48E-10	8.14E-10	1.66E-09	6.34E-10	4.16E-10	1.05E-09
5404	562814.4	4235517	6.53E-09	5.82E-09	1.23E-08	1.11E-09	9.33E-10	2.04E-09	5.27E-09	4.27E-09	9.54E-09	8.63E-10	8.28E-10	1.69E-09	6.45E-10	4.23E-10	1.07E-09
5405	562822.8	4235522	6.64E-09	5.92E-09	1.26E-08	1.13E-09	9.49E-10	2.08E-09	5.36E-09	4.34E-09	9.70E-09	8.78E-10	8.42E-10	1.72E-09	6.56E-10	4.30E-10	1.09E-09
5406	562831.3	4235526	6.75E-09	6.02E-09	1.28E-08	1.15E-09	9.65E-10	2.11E-09	5.45E-09	4.42E-09	9.87E-09	8.93E-10	8.57E-10	1.75E-09	6.67E-10	4.38E-10	1.10E-09
5407	562839.8	4235531	6.87E-09	6.13E-09	1.30E-08	1.17E-09	9.82E-10	2.15E-09	5.54E-09	4.49E-09	1.00E-08	9.08E-10	8.71E-10	1.78E-09	6.78E-10	4.45E-10	1.12E-09
5408	562848.2	4235535	6.98E-09	6.23E-09	1.32E-08	1.19E-09	9.99E-10	2.18E-09	5.64E-09	4.57E-09	1.02E-08	9.24E-10	8.86E-10	1.81E-09	6.90E-10	4.53E-10	1.14E-09
5409	562856.7	4235540	7.10E-09	6.34E-09	1.34E-08	1.21E-09	1.02E-09	2.22E-09	5.74E-09	4.65E-09	1.04E-08	9.40E-10	9.02E-10	1.84E-09	7.02E-10	4.60E-10	1.16E-09
5410	562865.1	4235545	7.23E-09	6.45E-09	1.37E-08	1.23E-09	1.03E-09	2.26E-09	5.84E-09	4.73E-09	1.06E-08	9.56E-10	9.17E-10	1.87E-09	7.14E-10	4.68E-10	1.18E-09
5411	562873.6	4235549	7.36E-09	6.56E-09	1.39E-08	1.25E-09	1.05E-09	2.30E-09	5.94E-09	4.81E-09	1.08E-08	9.73E-10	9.33E-10	1.91E-09	7.26E-10	4.77E-10	1.20E-09
5412	562882	4235554	7.49E-09	6.68E-09	1.42E-08	1.27E-09	1.07E-09	2.34E-09	6.05E-09	4.90E-09	1.09E-08	9.90E-10	9.50E-10	1.94E-09	7.39E-10	4.85E-10	1.22E-09
5413	562890.5	4235558	7.62E-09	6.80E-09	1.44E-08	1.29E-09	1.09E-09	2.38E-09	6.15E-09	4.99E-09	1.11E-08	1.01E-09	9.67E-10	1.97E-09	7.53E-10	4.94E-10	1.25E-09
5414	562898.9	4235563	7.76E-09	6.92E-09	1.47E-08	1.32E-09	1.11E-09	2.43E-09	6.26E-09	5.08E-09	1.13E-08	1.03E-09	9.84E-10	2.01E-09	7.66E-10	5.03E-10	1.27E-09
5415	562907.4	4235567	7.90E-09	7.04E-09	1.49E-08	1.34E-09	1.13E-09	2.47E-09	6.37E-09	5.17E-09	1.15E-08	1.04E-09	1.00E-09	2.05E-09	7.80E-10	5.12E-10	1.29E-09
5416	562915.8	4235572	8.03E-09	7.17E-09	1.52E-08	1.36E-09	1.15E-09	2.51E-09	6.49E-09	5.26E-09	1.17E-08	1.06E-09	1.02E-09	2.08E-09	7.93E-10	5.21E-10	1.31E-09
5417	563257	4234972	9.99E-08	8.91E-08	1.89E-07	1.69E-08	1.43E-08	3.12E-08	8.07E-08	6.54E-08	1.46E-07	1.32E-08	1.27E-08	2.59E-08	9.87E-09	6.47E-09	1.63E-08
5418	563263.1	4234980	8.93E-08	7.97E-08	1.69E-07	1.52E-08	1.28E-08	2.79E-08	7.21E-08	5.85E-08	1.31E-07	1.18E-08	1.13E-08	2.31E-08	8.82E-09	5.79E-09	1.46E-08
5419	563246.5	4234984	1.02E-07	9.12E-08	1.93E-07	1.73E-08	1.46E-08	3.20E-08	8.25E-08	6.69E-08	1.49E-07	1.35E-08	1.30E-08	2.65E-08	1.01E-08	6.63E-09	1.67E-08
5420	563271.2	4234975	8.46E-08	7.55E-08	1.60E-07	1.44E-08	1.21E-08	2.64E-08	6.83E-08	5.53E-08	1.24E-07	1.12E-08	1.07E-08	2.19E-08	8.35E-09	5.48E-09	1.38E-08
5421	563269.3	4234988	8.03E-08	7.16E-08	1.52E-07	1.36E-08	1.15E-08	2.51E-08	6.48E-08	5.25E-08	1.17E-07	1.06E-08	1.02E-08	2.08E-08	7.93E-09	5.20E-09	1.31E-08
5422	563260.6	4234991	8.53E-08	7.61E-08	1.61E-07	1.45E-08	1.22E-08	2.67E-08	6.89E-08	5.58E-08	1.25E-07	1.13E-08	1.08E-08	2.21E-08	8.42E-09	5.53E-09	1.40E-08
5423	563247.3	4234994	9.45E-08	8.43E-08	1.79E-07	1.60E-08	1.35E-08	2.96E-08	7.63E-08	6.19E-08	1.38E-07	1.25E-08	1.20E-08	2.45E-08	9.33E-09	6.13E-09	1.55E-08
5424	563238	4234992	1.04E-07	9.27E-08	1.97E-07	1.76E-08	1.49E-08	3.25E-08	8.39E-08	6.80E-08	1.52E-07	1.37E-08	1.32E-08	2.69E-08	1.03E-08	6.73E-09	1.70E-08
5425	563275.6	4234995	7.25E-08	6.47E-08	1.37E-07	1.23E-08	1.04E-08	2.27E-08	5.86E-08	4.75E-08	1.06E-07	9.59E-09	9.20E-09	1.88E-08	7.16E-09	4.70E-09	1.19E-08
5426	563266.6	4234999	7.71E-08	6.87E-08	1.46E-07	1.31E-08	1.10E-08	2.41E-08	6.22E-08	5.04E-08	1.13E-07	1.02E-08	9.78E-09	2.00E-08	7.61E-09	4.99E-09	1.26E-08
5427	563257.5	4235003	8.15E-08	7.27E-08	1.54E-07	1.38E-08	1.17E-08	2.55E-08	6.58E-08	5.33E-08	1.19E-07	1.08E-08	1.03E-08	2.11E-08	8.05E-09	5.28E-09	1.33E-08
5428	563248.1	4235004	8.76E-08	7.81E-08	1.66E-07	1.49E-08	1.25E-08	2.74E-08	7.07E-08	5.73E-08	1.28E-07	1.16E-08	1.11E-08	2.27E-08	8.65E-09	5.68E-09	1.43E-08
5429	563238.5	4235002	9.60E-08	8.56E-08	1.82E-07	1.63E-08	1.37E-08	3.00E-08	7.75E-08	6.28E-08	1.40E-07	1.27E-08	1.22E-08	2.49E-08	9.48E-09	6.22E-09	1.57E-08
5430	563284.2	4234990	6.88E-08	6.14E-08	1.30E-07	1.17E-08	9.84E-09	2.15E-08	5.56E-08	4.50E-08	1.01E-07	9.10E-09	8.73E-09	1.78E-08	6.79E-09	4.46E-09	1.13E-08
5431	563282	4235003	6.59E-08	5.88E-08	1.25E-07	1.12E-08	9.42E-09	2.06E-08	5.32E-08	4.31E-08	9.63E-08	8.71E-09	8.36E-09	1.71E-08	6.51E-09	4.27E-09	1.08E-08
5432	563272.7	4235007	6.99E-08	6.24E-08	1.32E-07	1.19E-08	1.00E-08	2.19E-08	5.65E-08	4.58E-08	1.02E-07	9.25E-09	8.87E-09	1.81E-08	6.91E-09	4.53E-09	1.14E-08
5433	563263.4	4235011	7.39E-08	6.59E-08	1.40E-07	1.25E-08	1.06E-08	2.31E-08	5.97E-08	4.84E-08	1.08E-07	9.78E-09	9.38E-09	1.92E-08	7.30E-09	4.79E-09	1.21E-08
5434	563249.1	4235014	8.12E-08	7.25E-08	1.54E-07	1.38E-08	1.16E-08	2.54E-08	6.56E-08	5.32E-08	1.19E-07	1.07E-08	1.03E-08	2.11E-08	8.02E-09	5.27E-09	1.33E-08
5435	563239.1	4235012	8.87E-08	7.91E-08	1.68E-07	1.50E-08	1.27E-08	2.77E-08	7.16E-08	5.80E-08	1.30E-07	1.17E-08	1.13E-08	2.30E-08	8.76E-09	5.75E-09	1.45E-08
5436	563229.1	4235010	9.65E-08	8.61E-08	1.83E-07	1.64E-08	1.38E-08	3.02E-08	7.79E-08	6.31E-08	1.41E-07	1.28E-08	1.22E-08	2.50E-08	9.53E-09	6.25E-09	1.58E-08
5437	563288.4	4235011	6.01E-08	5.36E-08	1.14E-07	1.02E-08	8.60E-09	1.88E-08	4.85E-08	3.93E-08	8.79E-08	7.95E-09	7.63E-09	1.56E-08	5.94E-09	3.90E-09	9.83E-09
5438	563278.9	4235015	6.37E-08	5.69E-08	1.21E-07	1.08E-08	9.12E-09	1.99E-08	5.15E-08	4.17E-08	9.32E-08	8.43E-09	8.09E-09	1.65E-08	6.29E-09	4.13E-09	1.04E-08
5439	563269.4	4235019	6.73E-08	6.01E-08	1.27E-07	1.14E-08	9.63E-09	2.11E-08	5.44E-08	4.41E-08	9.84E-08	8.90E-09	8.54E-09	1.74E-08	6.65E-09	4.36E-09	1.10E-08
5440	563259.9	4235023	7.08E-08	6.31E-08	1.34E-07	1.20E-08	1.01E-08	2.21E-08	5.72E-08	4.63E-08	1.03E-07	9.36E-09	8.98E-09	1.83E-08	6.99E-09	4.59E-09	1.16E-08
5441	563250.1	4235024	7.55E-08	6.73E-08	1.43E-07	1.28E-08	1.08E-08	2.36E-08	6.09E-08	4.94E-08	1.10E-07	9.98E-09	9.57E-09	1.96E-08	7.45E-09	4.89E-09	1.23E-08
5442	563239.9	4235022	8.21E-08	7.32E-08	1.55E-07	1.39E-08	1.17E-08	2.57E-08	6.63E-08	5.37E-08	1.20E-07	1.09E-08	1.04E-08	2.13E-08	8.11E-09	5.32E-09	1.34E-08
5443	563229.7	4235020	8.91E-08	7.95E-08	1.69E-07	1.51E-08	1.27E-08	2.79E-08	7.19E-08	5.83E-08	1.30E-07	1.18E-08	1.13E-08	2.31E-08	8.80E-09	5.77E-09	1.46E-08
5444	563297.2	4235005	5.72E-08	5.10E-08	1.08E-07	9.70E-09	8.18E-09	1.79E-08	4.62E-08	3.74E-08	8.36E-08	7.56E-09	7.26E-09	1.48E-08	5.65E-09	3.71E-09	9.35E-09
5445	563294.9	4235018	5.51E-08	4.91E-08	1.04E-07	9.34E-09	7.88E-09	1.72E-08	4.45E-08	3.60E-08	8.05E-08	7.28E-09	6.99E-09	1.43E-08	5.44E-09	3.57E-09	9.01E-09
5446	563285.2	4235022	5.83E-08	5.20E-08	1.10E-07	9.90E-09	8.34E-09	1.82E-08	4.71E-08	3.82E-08	8.53E-08	7.71E-09	7.40E-09	1.51E-08	5.76E-09	3.78E-09	9.54E-09
5447	563275.5	4235027	6.15E-08	5.49E-08	1.16E-07	1.04E-08	8.80E-09	1.92E-08	4.97E-08	4.03E-08	9.00E-08	8.14E-09	7.81E-09	1.59E-08	6.08E-09	3.99E-09	1.01E-08
5448	563265.9	4235031	6.47E-08	5.77E-08	1.22E-07	1.10E-08	9.25E-09	2.02E-08	5.22E-08	4.23E-08	9.46E-08	8.56E-09	8.21E-09	1.68E-08	6.39E-09	4.19E-09	1.06E-08
5449	563251	4235034	7.04E-08	6.28E-08	1.33E-07	1.19E-08	1.01E-08	2.20E-08	5.68E-08	4.61E-08	1.03E-07	9.31E-09	8.93E-09	1.82E-08	6.95E-09	4.56E-09	1.15E-08
5450	563240.7	4235032	7.63E-08	6.80E-08	1.44E-07	1.29E-08	1.09E-08	2.38E-08	6.16E-08	4.99E-08	1.11E-07	1.01E-08	9.68E-09	1.98E-08	7.53E-09	4.94E-09	1.25E-08
5451	563230.4	4235030	8.25E-08	7.36E-08	1.56E-07	1.40E-08	1.18E-08	2.58E-08	6.66E-08	5.40E-08	1.21E-07	1.09E-08	1.05E-08	2.14E-08	8.15E-09	5.35E-09	1.35E-08
5452	563220	4235028	8.88E-08	7.93E-08	1.68E-07	1.51E-08	1.27E-08	2.78E-08	7.17E-08	5.81E-08	1.30E-07	1.17E-08	1.13E-08	2.30E-08	8.77E-09	5.76E-09	1.45E-08
5453	563303.7	4235013	5.25E-08	4.68E-08	9.93E-08	8.90E-09	7.50E-09	1.64E-08	4.24E-08	3.43E-08	7.67E-08	6.94E-09	6.66E-09	1.36E-08	5.18E-09	3.40E-09	8.58E-09
5454	563301.8	4235026	5.05E-08	4.51E-08	9.56E-08	8.57E-09	7.23E-09	1.58E-08	4.08E-08	3.31E-08	7.39E-08	6.68E-09	6.41E-09	1.31E-08	4.99E-09	3.28E-09	8.27E-09
5455	563292.9	4235030	5.32E-08	4.74E-08	1.01E-07	9.02E-09	7.61E-09	1.66E-08	4.29E-08	3.48E-08	7.77E-08	7.03E-09	6.75E-09	1.38E-08	5.25E-09	3.45E-09	8.70E-09
5456	563284	4235033	5.58E-08	4.98E-08	1.06E-07	9.47E-09	7.98E-09	1.75E-08	4.51E-08	3.65E-08	8.16E-08	7.38E-09	7.08E-09	1.45E-08	5.51E-09	3.62E-09	9.13E-09

5457	563275.1	4235037	5.84E-08	5.21E-08	1.11E-07	9.91E-09	8.35E-09	1.83E-08	4.72E-08	3.82E-08	8.54E-08	7.73E-09	7.41E-09	1.51E-08	5.77E-09	3.79E-09	9.56E-09
5458	563266.2	4235041	6.10E-08	5.44E-08	1.15E-07	1.03E-08	8.72E-09	1.91E-08	4.92E-08	3.99E-08	8.91E-08	8.06E-09	7.73E-09	1.58E-08	6.02E-09	3.95E-09	9.97E-09
5459	563252.5	4235044	6.56E-08	5.85E-08	1.24E-07	1.11E-08	9.38E-09	2.05E-08	5.30E-08	4.29E-08	9.59E-08	8.67E-09	8.32E-09	1.70E-08	6.48E-09	4.25E-09	1.07E-08
5460	563243	4235042	7.03E-08	6.27E-08	1.33E-07	1.19E-08	1.01E-08	2.20E-08	5.68E-08	4.60E-08	1.03E-07	9.30E-09	8.92E-09	1.82E-08	6.95E-09	4.56E-09	1.15E-08
5461	563233.5	4235040	7.54E-08	6.73E-08	1.43E-07	1.28E-08	1.08E-08	2.36E-08	6.09E-08	4.94E-08	1.10E-07	9.97E-09	9.57E-09	1.95E-08	7.45E-09	4.89E-09	1.23E-08
5462	563224	4235038	8.06E-08	7.19E-08	1.52E-07	1.37E-08	1.15E-08	2.52E-08	6.51E-08	5.27E-08	1.18E-07	1.07E-08	1.02E-08	2.09E-08	7.96E-09	5.22E-09	1.32E-08
5463	563214.5	4235037	8.56E-08	7.64E-08	1.62E-07	1.45E-08	1.22E-08	2.68E-08	6.91E-08	5.60E-08	1.25E-07	1.13E-08	1.09E-08	2.22E-08	8.46E-09	5.55E-09	1.40E-08
5464	563308.2	4235033	4.67E-08	4.16E-08	8.83E-08	7.92E-09	6.67E-09	1.46E-08	3.77E-08	3.05E-08	6.82E-08	6.17E-09	5.92E-09	1.21E-08	4.61E-09	3.02E-09	7.63E-09
5465	563299.1	4235037	4.91E-08	4.38E-08	9.28E-08	8.32E-09	7.02E-09	1.53E-08	3.96E-08	3.21E-08	7.17E-08	6.49E-09	6.23E-09	1.27E-08	4.85E-09	3.18E-09	8.02E-09
5466	563290.1	4235041	5.15E-08	4.59E-08	9.74E-08	8.73E-09	7.36E-09	1.61E-08	4.15E-08	3.37E-08	7.52E-08	6.80E-09	6.53E-09	1.33E-08	5.08E-09	3.33E-09	8.42E-09
5467	563281	4235045	5.38E-08	4.80E-08	1.02E-07	9.13E-09	7.70E-09	1.68E-08	4.35E-08	3.52E-08	7.87E-08	7.12E-09	6.83E-09	1.39E-08	5.32E-09	3.49E-09	8.80E-09
5468	563272	4235049	5.61E-08	5.01E-08	1.06E-07	9.53E-09	8.03E-09	1.76E-08	4.53E-08	3.67E-08	8.21E-08	7.43E-09	7.12E-09	1.45E-08	5.55E-09	3.64E-09	9.18E-09
5469	563262.9	4235053	5.84E-08	5.21E-08	1.10E-07	9.91E-09	8.35E-09	1.83E-08	4.71E-08	3.82E-08	8.53E-08	7.72E-09	7.41E-09	1.51E-08	5.77E-09	3.78E-09	9.55E-09
5470	563253.5	4235054	6.15E-08	5.49E-08	1.16E-07	1.04E-08	8.79E-09	1.92E-08	4.97E-08	4.02E-08	8.99E-08	8.13E-09	7.80E-09	1.59E-08	6.07E-09	3.99E-09	1.01E-08
5471	563243.8	4235052	6.58E-08	5.87E-08	1.25E-07	1.12E-08	9.41E-09	2.06E-08	5.31E-08	4.31E-08	9.62E-08	8.70E-09	8.35E-09	1.71E-08	6.50E-09	4.27E-09	1.08E-08
5472	563234.1	4235050	7.04E-08	6.28E-08	1.33E-07	1.20E-08	1.01E-08	2.20E-08	5.69E-08	4.61E-08	1.03E-07	9.31E-09	8.94E-09	1.83E-08	6.96E-09	4.56E-09	1.15E-08
5473	563224.4	4235048	7.51E-08	6.70E-08	1.42E-07	1.27E-08	1.07E-08	2.35E-08	6.06E-08	4.91E-08	1.10E-07	9.93E-09	9.53E-09	1.95E-08	7.42E-09	4.87E-09	1.23E-08
5474	563214.8	4235046	7.97E-08	7.11E-08	1.51E-07	1.35E-08	1.14E-08	2.49E-08	6.43E-08	5.21E-08	1.16E-07	1.05E-08	1.01E-08	2.06E-08	7.87E-09	5.16E-09	1.30E-08
5475	563316.8	4235028	4.47E-08	3.99E-08	8.46E-08	7.59E-09	6.39E-09	1.40E-08	3.61E-08	2.93E-08	6.54E-08	5.91E-09	5.67E-09	1.16E-08	4.41E-09	2.90E-09	7.31E-09
5476	563321.1	4235049	4.02E-08	3.58E-08	7.60E-08	6.82E-09	5.75E-09	1.26E-08	3.24E-08	2.63E-08	5.87E-08	5.31E-09	5.10E-09	1.04E-08	3.97E-09	2.60E-09	6.57E-09
5477	563311.8	4235053	4.22E-08	3.76E-08	7.98E-08	7.15E-09	6.03E-09	1.32E-08	3.40E-08	2.76E-08	6.16E-08	5.57E-09	5.35E-09	1.09E-08	4.16E-09	2.73E-09	6.89E-09
5478	563302.5	4235057	4.41E-08	3.94E-08	8.35E-08	7.49E-09	6.31E-09	1.38E-08	3.56E-08	2.89E-08	6.45E-08	5.83E-09	5.60E-09	1.14E-08	4.36E-09	2.86E-09	7.22E-09
5479	563293.1	4235061	4.61E-08	4.11E-08	8.72E-08	7.82E-09	6.59E-09	1.44E-08	3.72E-08	3.02E-08	6.74E-08	6.09E-09	5.85E-09	1.19E-08	4.55E-09	2.99E-09	7.54E-09
5480	563283.8	4235065	4.80E-08	4.28E-08	9.09E-08	8.15E-09	6.87E-09	1.50E-08	3.88E-08	3.14E-08	7.02E-08	6.35E-09	6.09E-09	1.24E-08	4.74E-09	3.11E-09	7.86E-09
5481	563274.5	4235069	4.99E-08	4.45E-08	9.45E-08	8.47E-09	7.14E-09	1.56E-08	4.03E-08	3.27E-08	7.30E-08	6.60E-09	6.34E-09	1.29E-08	4.93E-09	3.24E-09	8.17E-09
5482	563265.2	4235073	5.18E-08	4.62E-08	9.79E-08	8.78E-09	7.40E-09	1.62E-08	4.18E-08	3.39E-08	7.57E-08	6.84E-09	6.57E-09	1.34E-08	5.11E-09	3.35E-09	8.47E-09
5483	563255.5	4235074	5.44E-08	4.86E-08	1.03E-07	9.24E-09	7.79E-09	1.70E-08	4.40E-08	3.56E-08	7.96E-08	7.20E-09	6.91E-09	1.41E-08	5.38E-09	3.53E-09	8.91E-09
5484	563245.6	4235072	5.82E-08	5.19E-08	1.10E-07	9.87E-09	8.32E-09	1.82E-08	4.70E-08	3.81E-08	8.50E-08	7.69E-09	7.38E-09	1.51E-08	5.75E-09	3.77E-09	9.52E-09
5485	563235.6	4235070	6.19E-08	5.53E-08	1.17E-07	1.05E-08	8.86E-09	1.94E-08	5.00E-08	4.05E-08	9.06E-08	8.19E-09	7.86E-09	1.61E-08	6.12E-09	4.01E-09	1.01E-08
5486	563225.6	4235068	6.57E-08	5.86E-08	1.24E-07	1.12E-08	9.40E-09	2.06E-08	5.31E-08	4.30E-08	9.61E-08	8.69E-09	8.34E-09	1.70E-08	6.49E-09	4.26E-09	1.08E-08
5487	563215.7	4235066	6.94E-08	6.19E-08	1.31E-07	1.18E-08	9.93E-09	2.17E-08	5.61E-08	4.54E-08	1.01E-07	9.18E-09	8.81E-09	1.80E-08	6.86E-09	4.50E-09	1.14E-08
5488	563205.7	4235064	7.30E-08	6.51E-08	1.38E-07	1.24E-08	1.04E-08	2.28E-08	5.89E-08	4.78E-08	1.07E-07	9.65E-09	9.26E-09	1.89E-08	7.21E-09	4.73E-09	1.19E-08
5489	563329.8	4235043	3.86E-08	3.44E-08	7.30E-08	6.55E-09	5.52E-09	1.21E-08	3.12E-08	2.53E-08	5.64E-08	5.10E-09	4.90E-09	1.00E-08	3.81E-09	2.50E-09	6.31E-09
5490	563334	4235064	3.50E-08	3.12E-08	6.62E-08	5.94E-09	5.00E-09	1.09E-08	2.83E-08	2.29E-08	5.12E-08	4.63E-09	4.44E-09	9.07E-09	3.46E-09	2.27E-09	5.72E-09
5491	563324.5	4235068	3.66E-08	3.27E-08	6.93E-08	6.21E-09	5.24E-09	1.15E-08	2.96E-08	2.40E-08	5.35E-08	4.84E-09	4.65E-09	9.49E-09	3.62E-09	2.37E-09	5.99E-09
5492	563315	4235072	3.83E-08	3.41E-08	7.24E-08	6.49E-09	5.47E-09	1.20E-08	3.09E-08	2.50E-08	5.59E-08	5.06E-09	4.85E-09	9.91E-09	3.78E-09	2.48E-09	6.26E-09
5493	563305.5	4235076	3.99E-08	3.56E-08	7.55E-08	6.77E-09	5.70E-09	1.25E-08	3.22E-08	2.61E-08	5.83E-08	5.27E-09	5.06E-09	1.03E-08	3.94E-09	2.59E-09	6.52E-09
5494	563296	4235080	4.15E-08	3.70E-08	7.85E-08	7.04E-09	5.94E-09	1.30E-08	3.35E-08	2.72E-08	6.07E-08	5.49E-09	5.27E-09	1.08E-08	4.10E-09	2.69E-09	6.79E-09
5495	563286.5	4235084	4.31E-08	3.85E-08	8.16E-08	7.32E-09	6.17E-09	1.35E-08	3.48E-08	2.82E-08	6.30E-08	5.70E-09	5.47E-09	1.12E-08	4.26E-09	2.79E-09	7.05E-09
5496	563276.9	4235088	4.47E-08	3.99E-08	8.46E-08	7.58E-09	6.39E-09	1.40E-08	3.61E-08	2.92E-08	6.53E-08	5.91E-09	5.67E-09	1.16E-08	4.41E-09	2.90E-09	7.31E-09
5497	563267.4	4235093	4.62E-08	4.12E-08	8.74E-08	7.84E-09	6.61E-09	1.44E-08	3.73E-08	3.02E-08	6.75E-08	6.11E-09	5.86E-09	1.20E-08	4.56E-09	2.99E-09	7.56E-09
5498	563257.6	4235094	4.85E-08	4.32E-08	9.17E-08	8.22E-09	6.93E-09	1.52E-08	3.91E-08	3.17E-08	7.09E-08	6.41E-09	6.15E-09	1.26E-08	4.79E-09	3.14E-09	7.93E-09
5499	563247.4	4235092	5.16E-08	4.61E-08	9.77E-08	8.76E-09	7.38E-09	1.61E-08	4.17E-08	3.38E-08	7.55E-08	6.83E-09	6.55E-09	1.34E-08	5.10E-09	3.35E-09	8.44E-09
5500	563237.2	4235090	5.49E-08	4.89E-08	1.04E-07	9.31E-09	7.85E-09	1.72E-08	4.43E-08	3.59E-08	8.02E-08	7.25E-09	6.96E-09	1.42E-08	5.42E-09	3.56E-09	8.97E-09
5501	563227	4235088	5.80E-08	5.18E-08	1.10E-07	9.85E-09	8.30E-09	1.82E-08	4.69E-08	3.80E-08	8.49E-08	7.68E-09	7.37E-09	1.50E-08	5.73E-09	3.76E-09	9.49E-09
5502	563216.9	4235086	6.11E-08	5.45E-08	1.16E-07	1.04E-08	8.73E-09	1.91E-08	4.93E-08	4.00E-08	8.93E-08	8.08E-09	7.75E-09	1.58E-08	6.03E-09	3.96E-09	9.99E-09
5503	563206.7	4235084	6.40E-08	5.71E-08	1.21E-07	1.09E-08	9.15E-09	2.00E-08	5.17E-08	4.19E-08	9.36E-08	8.46E-09	8.12E-09	1.66E-08	6.32E-09	4.15E-09	1.05E-08
5504	563196.5	4235082	6.67E-08	5.95E-08	1.26E-07	1.13E-08	9.54E-09	2.09E-08	5.39E-08	4.36E-08	9.75E-08	8.82E-09	8.46E-09	1.73E-08	6.59E-09	4.32E-09	1.09E-08
5505	563342.8	4235058	3.37E-08	3.01E-08	6.37E-08	5.72E-09	4.82E-09	1.05E-08	2.72E-08	2.20E-08	4.92E-08	4.45E-09	4.27E-09	8.73E-09	3.33E-09	2.18E-09	5.51E-09
5506	563347	4235079	3.08E-08	2.75E-08	5.82E-08	5.22E-09	4.40E-09	9.62E-09	2.49E-08	2.01E-08	4.50E-08	4.07E-09	3.91E-09	7.98E-09	3.04E-09	1.99E-09	5.03E-09
5507	563337.3	4235083	3.21E-08	2.87E-08	6.08E-08	5.45E-09	4.60E-09	1.00E-08	2.59E-08	2.10E-08	4.70E-08	4.25E-09	4.08E-09	8.33E-09	3.17E-09	2.08E-09	5.26E-09
5508	563327.6	4235087	3.35E-08	2.99E-08	6.34E-08	5.68E-09	4.79E-09	1.05E-08	2.70E-08	2.19E-08	4.90E-08	4.43E-09	4.25E-09	8.68E-09	3.31E-09	2.17E-09	5.48E-09
5509	563318	4235092	3.49E-08	3.11E-08	6.60E-08	5.91E-09	4.98E-09	1.09E-08	2.81E-08	2.28E-08	5.10E-08	4.61E-09	4.42E-09	9.03E-09	3.44E-09	2.26E-09	5.70E-09
5510	563308.3	4235096	3.62E-08	3.23E-08	6.85E-08	6.15E-09	5.18E-09	1.13E-08	2.92E-08	2.37E-08	5.30E-08	4.79E-09	4.60E-09	9.39E-09	3.58E-09	2.35E-09	5.92E-09
5511	563298.6	4235100	3.76E-08	3.35E-08	7.11E-08	6.38E-09	5.37E-09	1.18E-08	3.03E-08	2.46E-08	5.49E-08	4.97E-09	4.77E-09	9.74E-09	3.71E-09	2.44E-09	6.15E-09
5512	563289	4235104	3.89E-08	3.47E-08	7.37E-08	6.60E-09	5.57E-09	1.22E-08	3.14E-08	2.55E-08	5.69E-08	5.15E-09	4.94E-09	1.01E-08	3.84E-09	2.52E-09	6.37E-09
5513	563279.3	4235108	4.02E-08	3.59E-08	7.61E-08	6.83E-09	5.76E-09	1.26E-08	3.25E-08	2.63E-08	5.88E-08	5.32E-09	5.11E-09	1.04E-08	3.97E-09	2.61E-09	6.58E-09
5514	563269.6	4235112	4.15E-08	3.70E-08	7.86E-08	7.04E-09	5.94E-09	1.30E-08	3.35E-08	2.72E-08	6.07E-08	5.49E-09	5.27E-09	1.08E-08	4.10E-09	2.69E-09	6.79E-09
5515	563259.6	4235114	4.34E-08	3.87E-08	8.22E-08	7.37E-09	6.21E-09	1.36E-08	3.51E-08	2.84E-08	6.35E-08	5.74E-09	5.51E-09	1.13E-08	4.29E-09	2.81E-09	7.10E-09
5516	563249.3	4235111	4.60E-08	4.11E-08	8.71E-08	7.81E-09	6.59E-09	1.44E-08	3.72E-08	3.01E-08	6.73E-08	6.09E-09	5.84E-09	1.19E-08	4.55E-09	2.98E-09	7.53E-09
5517	563239	4235109	4.87E-08	4.35E-08	9.22E-08	8.27E-09	6.97E-09	1.52E-08	3.94E-08	3.19E-08	7.13E-08	6.45E-09	6.18E-09	1.26E-08	4.81E-09	3.16E-09	7.97E-09
5518	563228.6	4235107	5.15E-08	4.59E-08	9.74E-08	8.73E-09	7.36E-09	1.61E-08	4.16E-08	3.37E-08	7.52E-08	6.81E-09	6.53E-09	1.33E-08	5.08E-09	3.34E-09	8.42E-09
5519	563218.3	4235105	5.41E-08	4.83E-08	1.02E-07	9.18E-09	7.74E-09	1.69E-08	4.37E-08	3.54E-08	7.91E-08	7.15E-09	6.86E-09	1.40E-08	5.34E-09	3.51E-09	8.85E-09
5520	563208	4235103	5.66E-08	5.05E-08	1.07E-07	9.60E-09	8.09E-09	1.77E-08	4.57E-08	3.70E-08	8.27E-08	7.48E-09	7.18E-09	1.47E-08	5.59E-09	3.67E-09	9.26E-09
5521	563197.6	4235101	5.89E-08	5.25E-08	1.11E-07	9.99E-09	8.42E-09	1.84E-08	4.75E-08	3.85E-08	8.61E-08	7.79E-09	7.47E-09	1.53E-08	5.82E-09	3.82E-09	9.63E-09
5522	563187.3	4235099	6.09E-08	5.43E-08	1.15E-07	1.03E-08	8.70E-09	1.90E-08	4.91E-08	3.98E-08	8.90E-08	8.05E-09	7.72E-09	1.58E-08	6.01E-09	3.94E-09	9.95E-09
5523	563360.2	4235094	2.73E-08	2.43E-08	5.16E-08	4.63E-09	3.90E-09	8.53E-09	2.20E-08	1.78E-08	3.99E-08	3.61E-09	3.46E-09	7.07E-09	2.69E-09	1.77E-09	4.46E-09
5524	563350.9	4235098	2.84E-08	2.53E-08	5.37E-08	4.81E-09	4.06E-09	8.87E-09	2.29E-08	1.86E-08	4.15E-08	3.75E-09	3.60E-09	7.35E-09	2.80E-09	1.84E-09	4.64E-09
5525	563341.5	4235102	2.94E-08	2.63E-08	5.57E-08	5.00E-09	4.21E-09	9.21E-09	2.38E-08	1.93E-08	4.30E-08	3.89E-09	3.74E-09	7.63E-09	2.91E-09	1.91E-09	4.82E-09
5526	563332.2	4235106	3.05E-08	2.72E-08	5.78E-08	5.18E-09	4.37E-09	9.55E-09	2.47E-08	2.00E-08	4.46E-08	4.04E-09	3.88E-09	7.91E-09	3.02E-09	1.98E-09	5.00E-09
5527	563322.9	4235110	3.16E-08	2.82E-08	5.99E-08	5.37E-09	4.52E-09	9.89E-09	2.55E-08	2.07E-08	4.62E-08	4.18E-09	4.01E-09	8.20E-09	3.12E-09	2.05E-09	5.17E-09
5528	563313.6	4235114	3.27E-08	2.92E-08	6.19E-08	5.55E-09	4.68E-09	1.02E-08	2.64E-08	2.14E-08	4.78E-08	4.33E-09	4.15E-09	8.48E-09	3.23E-09	2.12E-09	5.35E-09
5529	563304.3	4235118	3.38E-08	3.02E-08	6.40E-08	5.74E-09	4.84E-09	1.06E-08	2.73E-08	2.21E-08	4.94E-08	4.47E-09	4.29E-09	8.76E-09	3.34E-09	2.19E-09	5.53E-09
5530	563294.9	4235122	3.49E-08	3.11E-08	6.61E-08	5.92E-09	4.99E-09	1.09E-08	2.82E-08	2.28E-08	5.10E-08	4.62E-09	4.43E-09	9.05E-09	3.45E-09	2.26E-09	5.71E-09
5531	563285.6	4235126	3.60E-08	3.21E-08	6.81E-08	6.11E-09	5.15E-09	1.13E-08	2.91E-08	2.36E-08	5.26E-08	4.76E-09	4.57E-09	9.33E-09	3.55E-09	2.33E-09	5.89E-09
5532	563276.3	4235130	3.70E-08	3.30E-08	7.01E-08	6.28E-09	5.30E-09	1.16E-08	2.99E-08	2.42E-08	5.41E-08	4.90E-09	4.70E-09	9.60E-09	3.66E-09	2.40E-09	6.06E-09
5533	563262	4235133	3.90E-08	3.48E-08	7.39E-08	6.62E-09	5.58E-09	1.22E-08	3.15E-08	2.55E-08	5.71E-08	5.16E-09	4.95E-09	1.01E-08	3.86E-09	2.53E-09	6.39E-09
5534	563252	4235131	4.12E-08	3.67E-08	7.79E-08	6.99E-09	5.89E-09	1.29E-08	3.33E-08	2.70E-08	6.02E-08	5.45E-09	5.23E-09	1.07E-08	4.07E-09	2.67E-09	6.74E-09
5535	563242	4235130	4.34E-08	3.87E-08	8.21E-08	7.36E-09	6.20E-09	1.36E-08	3.50E-08	2.84E-08	6.34E-08	5.74E-09	5.50E-09	1.12E-08	4.28E-09	2.81E-09	7.10E-09
5536	563232.1	4235128	4.56E-08	4.07E-08	8.63E-08	7.74E-09	6.52E-09	1.43E-08	3.68E-08	2.98E-08	6.67E-08	6.03E-09	5.79E-09	1.18E-08	4.50E-09	2.96E-09	7.46E-09
5537	563222.1	4235126	4.78E-08	4.26E-08	9.04E-08	8.11E-09	6.83E-09	1.49E-08	3.86E-08	3.13E-08	6.99E-08	6.32E-09	6.06E-09	1.24E-08	4.72E-09	3.10E-09	7.82E-09
5538	563212.1	4235124	4.99E-08	4.45E-08	9.44E-08	8.46E-09	7.13E-09	1.56E-08	4.03E-08	3.26E-08	7.29E-08	6.60E-09	6.33E-09	1.29E-08	4.93E-09	3.23E-09	8.16E-09
5539	563202.2	4235122	5.18E-08	4.62E-08	9.80E-08	8.79E-09	7.41E-09	1.62E-08	4.18E-08	3.39E-08	7.57E-08	6.85E-09	6.57E-09	1.34E-08	5.11E-09	3.36E-09	8.47E-09
5540	563192.2	4235120	5.35E-08	4.77E-08	1.01E-07	9.08E-09	7.65E-09	1.67E-08	4.32E-08	3.50E-08	7.82E-08	7.07E-09	6.79E-09	1.39E-08	5.28E-09	3.47E-09	8.75E-09
5541	563182.2	4235118	5.49E-08	4.90E-08	1.04E-07	9.32E-09	7.86E-09	1.72E-08	4.44E-08	3.59E-08	8.03E-08	7.26E-09	6.97E-09	1.42E-08	5.43E-09	3.56E-09	8.99E-09
5542	563172.3	4235116	5.59E-08	4.99E-08	1.06E-07	9.48E-09	7.99E-09	1.75E-08	4.51E-08	3.66E-08	8.17E-08	7.39E-09	7.09E-09	1.45E-08	5.52E-09	3.62E-09	9.14E-09
5543	563373.1	4235109	2.44E-08	2.18E-08	4.61E-08	4.14E-09	3.49E-09	7.63E-09	1.97E-08	1.60E-08	3.56E-08	3.22E-09	3.09E-09	6.32E-09	2.41E-09	1.58E-09	3.99E-09
5544	563363.7	4235113	2.53E-08	2.26E-08	4.79E-08	4.29E-09	3.62E-09	7.91E-09	2.04E-08	1.66E-08	3.70E-08	3.35E-09	3.21E-09	6.56E-09	2.50E-09	1.64E-09	4.14E-09
5545	563354.2	4235117	2.62E-08	2.34E-08	4.96E-08	4.45E-09	3.75E-09	8.20E-09	2.12E-08	1.72E-08	3.84E-08	3.47E-09	3.33E-09	6.80E-09	2.59E-09	1.70E-09	4.29E-09
5546	563344.8	4235122	2.72E-08	2.42E-08	5.14E-08	4.61E-09	3.88E-09	8.49E-09	2.19E-08	1.78E-08	3.97E-08	3.59E-09	3.45E-09	7.04E-09	2.68E-09	1.76E-09	4.44E-09
5547	563335.3	4235126	2.81E-08	2.51E-08	5.32E-08	4.77E-09	4.02E-09	8.78E-09	2.27E-08	1.84E-08	4.11E-08	3.71E-09	3.56E-09	7.28E-09	2.77E-09	1.82E-09	4.59E-09

5548	563325.9	4235130	2.90E-08	2.59E-08	5.49E-08	4.92E-09	4.15E-09	9.08E-09	2.34E-08	1.90E-08	4.24E-08	3.84E-09	3.68E-09	7.52E-09	2.87E-09	1.88E-09	4.75E-09
5549	563316.4	4235134	3.00E-08	2.67E-08	5.67E-08	5.08E-09	4.28E-09	9.37E-09	2.42E-08	1.96E-08	4.38E-08	3.96E-09	3.80E-09	7.76E-09	2.96E-09	1.94E-09	4.90E-09
5550	563306.9	4235138	3.09E-08	2.76E-08	5.85E-08	5.24E-09	4.42E-09	9.66E-09	2.49E-08	2.02E-08	4.52E-08	4.09E-09	3.92E-09	8.01E-09	3.05E-09	2.00E-09	5.05E-09
5551	563297.5	4235142	3.18E-08	2.84E-08	6.02E-08	5.40E-09	4.55E-09	9.95E-09	2.57E-08	2.08E-08	4.65E-08	4.21E-09	4.04E-09	8.25E-09	3.14E-09	2.06E-09	5.21E-09
5552	563288	4235146	3.27E-08	2.92E-08	6.19E-08	5.55E-09	4.68E-09	1.02E-08	2.64E-08	2.14E-08	4.79E-08	4.33E-09	4.15E-09	8.48E-09	3.23E-09	2.12E-09	5.35E-09
5553	563278.6	4235150	3.36E-08	3.00E-08	6.35E-08	5.70E-09	4.80E-09	1.05E-08	2.71E-08	2.20E-08	4.91E-08	4.44E-09	4.26E-09	8.70E-09	3.32E-09	2.18E-09	5.49E-09
5554	563264.1	4235153	3.54E-08	3.15E-08	6.69E-08	6.00E-09	5.06E-09	1.11E-08	2.85E-08	2.31E-08	5.17E-08	4.68E-09	4.49E-09	9.16E-09	3.49E-09	2.29E-09	5.78E-09
5555	563253.9	4235151	3.72E-08	3.32E-08	7.05E-08	6.32E-09	5.33E-09	1.16E-08	3.01E-08	2.44E-08	5.44E-08	4.93E-09	4.73E-09	9.65E-09	3.68E-09	2.41E-09	6.09E-09
5556	563243.8	4235149	3.92E-08	3.49E-08	7.41E-08	6.65E-09	5.60E-09	1.22E-08	3.16E-08	2.56E-08	5.73E-08	5.18E-09	4.97E-09	1.01E-08	3.87E-09	2.54E-09	6.41E-09
5557	563233.7	4235147	4.11E-08	3.67E-08	7.78E-08	6.97E-09	5.88E-09	1.28E-08	3.32E-08	2.69E-08	6.01E-08	5.43E-09	5.21E-09	1.06E-08	4.06E-09	2.66E-09	6.72E-09
5558	563223.6	4235145	4.30E-08	3.83E-08	8.13E-08	7.29E-09	6.15E-09	1.34E-08	3.47E-08	2.81E-08	6.28E-08	5.68E-09	5.45E-09	1.11E-08	4.25E-09	2.79E-09	7.03E-09
5559	563213.5	4235143	4.48E-08	4.00E-08	8.47E-08	7.60E-09	6.41E-09	1.40E-08	3.62E-08	2.93E-08	6.55E-08	5.92E-09	5.68E-09	1.16E-08	4.42E-09	2.90E-09	7.33E-09
5560	563203.4	4235141	4.64E-08	4.14E-08	8.77E-08	7.87E-09	6.63E-09	1.45E-08	3.74E-08	3.03E-08	6.78E-08	6.13E-09	5.88E-09	1.20E-08	4.58E-09	3.01E-09	7.59E-09
5561	563193.3	4235139	4.78E-08	4.26E-08	9.04E-08	8.11E-09	6.83E-09	1.49E-08	3.86E-08	3.13E-08	6.98E-08	6.32E-09	6.06E-09	1.24E-08	4.72E-09	3.10E-09	7.81E-09
5562	563183.2	4235137	4.89E-08	4.37E-08	9.26E-08	8.30E-09	7.00E-09	1.53E-08	3.95E-08	3.20E-08	7.15E-08	6.47E-09	6.21E-09	1.27E-08	4.83E-09	3.17E-09	8.00E-09
5563	563173	4235136	4.99E-08	4.45E-08	9.44E-08	8.46E-09	7.13E-09	1.56E-08	4.03E-08	3.26E-08	7.29E-08	6.60E-09	6.33E-09	1.29E-08	4.93E-09	3.23E-09	8.16E-09
5564	563162.9	4235134	5.05E-08	4.50E-08	9.55E-08	8.57E-09	7.22E-09	1.58E-08	4.08E-08	3.30E-08	7.38E-08	6.68E-09	6.41E-09	1.31E-08	4.99E-09	3.27E-09	8.26E-09
5565	563386.1	4235124	2.20E-08	1.96E-08	4.15E-08	3.72E-09	3.14E-09	6.86E-09	1.77E-08	1.44E-08	3.21E-08	2.90E-09	2.79E-09	5.69E-09	2.17E-09	1.42E-09	3.59E-09
5566	563376.5	4235129	2.27E-08	2.03E-08	4.30E-08	3.86E-09	3.25E-09	7.11E-09	1.84E-08	1.49E-08	3.32E-08	3.01E-09	2.89E-09	5.89E-09	2.25E-09	1.47E-09	3.72E-09
5567	563367	4235133	2.35E-08	2.10E-08	4.45E-08	3.99E-09	3.36E-09	7.35E-09	1.90E-08	1.54E-08	3.44E-08	3.11E-09	2.98E-09	6.09E-09	2.32E-09	1.52E-09	3.85E-09
5568	563357.4	4235137	2.43E-08	2.17E-08	4.59E-08	4.12E-09	3.47E-09	7.59E-09	1.96E-08	1.59E-08	3.55E-08	3.21E-09	3.08E-09	6.29E-09	2.40E-09	1.57E-09	3.97E-09
5569	563347.8	4235141	2.51E-08	2.23E-08	4.74E-08	4.25E-09	3.58E-09	7.83E-09	2.02E-08	1.64E-08	3.66E-08	3.31E-09	3.18E-09	6.49E-09	2.47E-09	1.62E-09	4.10E-09
5570	563338.3	4235145	2.58E-08	2.30E-08	4.89E-08	4.38E-09	3.69E-09	8.07E-09	2.08E-08	1.69E-08	3.77E-08	3.41E-09	3.28E-09	6.69E-09	2.55E-09	1.67E-09	4.22E-09
5571	563328.7	4235149	2.66E-08	2.38E-08	5.04E-08	4.52E-09	3.81E-09	8.33E-09	2.15E-08	1.74E-08	3.89E-08	3.52E-09	3.38E-09	6.90E-09	2.63E-09	1.73E-09	4.36E-09
5572	563319.1	4235153	2.75E-08	2.45E-08	5.20E-08	4.66E-09	3.93E-09	8.60E-09	2.22E-08	1.80E-08	4.02E-08	3.64E-09	3.49E-09	7.12E-09	2.71E-09	1.78E-09	4.50E-09
5573	563309.5	4235158	2.83E-08	2.53E-08	5.36E-08	4.80E-09	4.05E-09	8.85E-09	2.29E-08	1.85E-08	4.14E-08	3.74E-09	3.59E-09	7.34E-09	2.80E-09	1.84E-09	4.63E-09
5574	563300	4235162	2.91E-08	2.60E-08	5.51E-08	4.94E-09	4.16E-09	9.11E-09	2.35E-08	1.91E-08	4.26E-08	3.85E-09	3.69E-09	7.55E-09	2.88E-09	1.89E-09	4.76E-09
5575	563290.4	4235166	2.99E-08	2.67E-08	5.66E-08	5.07E-09	4.27E-09	9.35E-09	2.41E-08	1.96E-08	4.37E-08	3.95E-09	3.79E-09	7.75E-09	2.95E-09	1.94E-09	4.89E-09
5576	563280.8	4235170	3.07E-08	2.74E-08	5.80E-08	5.20E-09	4.38E-09	9.59E-09	2.48E-08	2.01E-08	4.48E-08	4.05E-09	3.89E-09	7.95E-09	3.03E-09	1.99E-09	5.02E-09
5577	563266.1	4235173	3.22E-08	2.87E-08	6.10E-08	5.47E-09	4.61E-09	1.01E-08	2.60E-08	2.11E-08	4.71E-08	4.26E-09	4.09E-09	8.35E-09	3.18E-09	2.09E-09	5.27E-09
5578	563255.9	4235171	3.39E-08	3.02E-08	6.41E-08	5.75E-09	4.84E-09	1.06E-08	2.74E-08	2.22E-08	4.95E-08	4.48E-09	4.30E-09	8.78E-09	3.35E-09	2.20E-09	5.54E-09
5579	563245.7	4235169	3.56E-08	3.17E-08	6.73E-08	6.03E-09	5.09E-09	1.11E-08	2.87E-08	2.33E-08	5.20E-08	4.70E-09	4.51E-09	9.21E-09	3.51E-09	2.30E-09	5.82E-09
5580	563235.4	4235167	3.72E-08	3.32E-08	7.04E-08	6.31E-09	5.32E-09	1.16E-08	3.00E-08	2.43E-08	5.44E-08	4.92E-09	4.72E-09	9.64E-09	3.67E-09	2.41E-09	6.08E-09
5581	563225.2	4235165	3.88E-08	3.46E-08	7.34E-08	6.58E-09	5.55E-09	1.21E-08	3.13E-08	2.54E-08	5.67E-08	5.13E-09	4.92E-09	1.00E-08	3.83E-09	2.51E-09	6.34E-09
5582	563215	4235163	4.03E-08	3.60E-08	7.63E-08	6.84E-09	5.76E-09	1.26E-08	3.25E-08	2.64E-08	5.89E-08	5.33E-09	5.11E-09	1.04E-08	3.98E-09	2.61E-09	6.59E-09
5583	563204.7	4235161	4.17E-08	3.72E-08	7.90E-08	7.08E-09	5.97E-09	1.30E-08	3.37E-08	2.73E-08	6.10E-08	5.52E-09	5.29E-09	1.08E-08	4.12E-09	2.70E-09	6.83E-09
5584	563194.5	4235159	4.30E-08	3.83E-08	8.13E-08	7.29E-09	6.15E-09	1.34E-08	3.47E-08	2.81E-08	6.28E-08	5.68E-09	5.45E-09	1.11E-08	4.24E-09	2.79E-09	7.03E-09
5585	563184.3	4235157	4.40E-08	3.93E-08	8.33E-08	7.47E-09	6.29E-09	1.38E-08	3.55E-08	2.88E-08	6.43E-08	5.82E-09	5.58E-09	1.14E-08	4.35E-09	2.85E-09	7.20E-09
5586	563174	4235155	4.49E-08	4.00E-08	8.49E-08	7.61E-09	6.42E-09	1.40E-08	3.62E-08	2.94E-08	6.56E-08	5.93E-09	5.69E-09	1.16E-08	4.43E-09	2.91E-09	7.34E-09
5587	563163.8	4235153	4.55E-08	4.06E-08	8.61E-08	7.72E-09	6.51E-09	1.42E-08	3.67E-08	2.98E-08	6.65E-08	6.02E-09	5.77E-09	1.18E-08	4.49E-09	2.95E-09	7.44E-09
5588	563153.6	4235151	4.58E-08	4.09E-08	8.67E-08	7.77E-09	6.55E-09	1.43E-08	3.70E-08	3.00E-08	6.70E-08	6.06E-09	5.81E-09	1.19E-08	4.53E-09	2.97E-09	7.49E-09
5589	563399.1	4235140	1.98E-08	1.77E-08	3.75E-08	3.36E-09	2.83E-09	6.20E-09	1.60E-08	1.30E-08	2.90E-08	2.62E-09	2.51E-09	5.14E-09	1.96E-09	1.28E-09	3.24E-09
5590	563389.4	4235144	2.05E-08	1.83E-08	3.88E-08	3.48E-09	2.93E-09	6.41E-09	1.65E-08	1.34E-08	3.00E-08	2.71E-09	2.60E-09	5.31E-09	2.02E-09	1.33E-09	3.35E-09
5591	563379.7	4235148	2.12E-08	1.89E-08	4.00E-08	3.59E-09	3.02E-09	6.61E-09	1.71E-08	1.38E-08	3.09E-08	2.80E-09	2.68E-09	5.48E-09	2.09E-09	1.37E-09	3.46E-09
5592	563370.1	4235152	2.18E-08	1.95E-08	4.13E-08	3.70E-09	3.12E-09	6.83E-09	1.76E-08	1.43E-08	3.19E-08	2.89E-09	2.77E-09	5.66E-09	2.16E-09	1.41E-09	3.57E-09
5593	563360.4	4235156	2.25E-08	2.01E-08	4.26E-08	3.82E-09	3.22E-09	7.04E-09	1.82E-08	1.47E-08	3.29E-08	2.98E-09	2.86E-09	5.83E-09	2.22E-09	1.46E-09	3.68E-09
5594	563350.7	4235161	2.32E-08	2.07E-08	4.39E-08	3.94E-09	3.32E-09	7.25E-09	1.87E-08	1.52E-08	3.39E-08	3.07E-09	2.94E-09	6.01E-09	2.29E-09	1.50E-09	3.79E-09
5595	563341.1	4235165	2.39E-08	2.13E-08	4.52E-08	4.05E-09	3.42E-09	7.47E-09	1.93E-08	1.56E-08	3.49E-08	3.16E-09	3.03E-09	6.19E-09	2.36E-09	1.55E-09	3.91E-09
5596	563331.4	4235169	2.46E-08	2.19E-08	4.65E-08	4.17E-09	3.52E-09	7.69E-09	1.99E-08	1.61E-08	3.59E-08	3.25E-09	3.12E-09	6.37E-09	2.43E-09	1.59E-09	4.02E-09
5597	563321.7	4235173	2.53E-08	2.26E-08	4.79E-08	4.29E-09	3.62E-09	7.91E-09	2.04E-08	1.66E-08	3.70E-08	3.34E-09	3.21E-09	6.55E-09	2.50E-09	1.64E-09	4.14E-09
5598	563312.1	4235177	2.60E-08	2.32E-08	4.92E-08	4.41E-09	3.72E-09	8.13E-09	2.10E-08	1.70E-08	3.80E-08	3.44E-09	3.30E-09	6.74E-09	2.57E-09	1.68E-09	4.25E-09
5599	563302.4	4235182	2.67E-08	2.38E-08	5.05E-08	4.53E-09	3.82E-09	8.34E-09	2.15E-08	1.75E-08	3.90E-08	3.53E-09	3.39E-09	6.91E-09	2.64E-09	1.73E-09	4.36E-09
5600	563292.7	4235186	2.74E-08	2.44E-08	5.18E-08	4.64E-09	3.91E-09	8.56E-09	2.21E-08	1.79E-08	4.00E-08	3.62E-09	3.47E-09	7.09E-09	2.70E-09	1.77E-09	4.48E-09
5601	563283.1	4235190	2.80E-08	2.50E-08	5.31E-08	4.76E-09	4.01E-09	8.77E-09	2.26E-08	1.84E-08	4.10E-08	3.71E-09	3.56E-09	7.27E-09	2.77E-09	1.82E-09	4.59E-09
5602	563268.2	4235193	2.94E-08	2.62E-08	5.56E-08	4.99E-09	4.21E-09	9.20E-09	2.37E-08	1.92E-08	4.30E-08	3.89E-09	3.73E-09	7.62E-09	2.90E-09	1.91E-09	4.81E-09
5603	563257.9	4235191	3.09E-08	2.75E-08	5.84E-08	5.24E-09	4.41E-09	9.65E-09	2.49E-08	2.02E-08	4.51E-08	4.08E-09	3.92E-09	8.00E-09	3.05E-09	2.00E-09	5.05E-09
5604	563247.6	4235189	3.24E-08	2.89E-08	6.12E-08	5.49E-09	4.63E-09	1.01E-08	2.61E-08	2.12E-08	4.73E-08	4.28E-09	4.10E-09	8.38E-09	3.19E-09	2.10E-09	5.29E-09
5605	563237.2	4235187	3.38E-08	3.02E-08	6.40E-08	5.74E-09	4.83E-09	1.06E-08	2.73E-08	2.21E-08	4.94E-08	4.47E-09	4.29E-09	8.76E-09	3.34E-09	2.19E-09	5.53E-09
5606	563226.9	4235185	3.52E-08	3.14E-08	6.66E-08	5.97E-09	5.03E-09	1.10E-08	2.84E-08	2.30E-08	5.14E-08	4.65E-09	4.47E-09	9.12E-09	3.48E-09	2.28E-09	5.76E-09
5607	563216.6	4235183	3.65E-08	3.26E-08	6.91E-08	6.19E-09	5.22E-09	1.14E-08	2.95E-08	2.39E-08	5.34E-08	4.83E-09	4.63E-09	9.46E-09	3.60E-09	2.37E-09	5.97E-09
5608	563206.2	4235181	3.78E-08	3.37E-08	7.14E-08	6.41E-09	5.40E-09	1.18E-08	3.05E-08	2.47E-08	5.52E-08	4.99E-09	4.79E-09	9.78E-09	3.73E-09	2.45E-09	6.18E-09
5609	563195.9	4235179	3.89E-08	3.47E-08	7.36E-08	6.60E-09	5.56E-09	1.22E-08	3.14E-08	2.55E-08	5.69E-08	5.14E-09	4.94E-09	1.01E-08	3.84E-09	2.52E-09	6.36E-09
5610	563185.5	4235177	3.99E-08	3.56E-08	7.55E-08	6.77E-09	5.71E-09	1.25E-08	3.22E-08	2.61E-08	5.83E-08	5.28E-09	5.06E-09	1.03E-08	3.94E-09	2.59E-09	6.53E-09
5611	563175.2	4235175	4.07E-08	3.63E-08	7.70E-08	6.91E-09	5.82E-09	1.27E-08	3.29E-08	2.66E-08	5.95E-08	5.38E-09	5.16E-09	1.05E-08	4.02E-09	2.64E-09	6.66E-09
5612	563164.9	4235173	4.13E-08	3.68E-08	7.81E-08	7.01E-09	5.90E-09	1.29E-08	3.33E-08	2.70E-08	6.04E-08	5.46E-09	5.24E-09	1.07E-08	4.08E-09	2.68E-09	6.75E-09
5613	563154.5	4235171	4.16E-08	3.71E-08	7.88E-08	7.06E-09	5.95E-09	1.30E-08	3.36E-08	2.72E-08	6.09E-08	5.51E-09	5.28E-09	1.08E-08	4.11E-09	2.70E-09	6.81E-09
5614	563144.2	4235169	4.17E-08	3.72E-08	7.89E-08	7.08E-09	5.97E-09	1.30E-08	3.37E-08	2.73E-08	6.10E-08	5.52E-09	5.29E-09	1.08E-08	4.12E-09	2.70E-09	6.82E-09
5615	563407.9	4235134	1.93E-08	1.72E-08	3.65E-08	3.27E-09	2.76E-09	6.03E-09	1.56E-08	1.26E-08	2.82E-08	2.55E-09	2.44E-09	4.99E-09	1.90E-09	1.25E-09	3.15E-09
5616	563412.2	4235155	1.80E-08	1.60E-08	3.40E-08	3.05E-09	2.57E-09	5.62E-09	1.45E-08	1.18E-08	2.63E-08	2.38E-09	2.28E-09	4.66E-09	1.77E-09	1.16E-09	2.94E-09
5617	563402.8	4235159	1.85E-08	1.65E-08	3.50E-08	3.14E-09	2.65E-09	5.79E-09	1.50E-08	1.21E-08	2.71E-08	2.45E-09	2.35E-09	4.80E-09	1.83E-09	1.20E-09	3.03E-09
5618	563393.4	4235163	1.91E-08	1.70E-08	3.61E-08	3.24E-09	2.73E-09	5.96E-09	1.54E-08	1.25E-08	2.79E-08	2.52E-09	2.42E-09	4.94E-09	1.88E-09	1.24E-09	3.12E-09
5619	563384	4235167	1.97E-08	1.75E-08	3.72E-08	3.33E-09	2.81E-09	6.15E-09	1.59E-08	1.29E-08	2.87E-08	2.60E-09	2.49E-09	5.09E-09	1.94E-09	1.27E-09	3.21E-09
5620	563374.5	4235171	2.02E-08	1.81E-08	3.83E-08	3.44E-09	2.90E-09	6.33E-09	1.63E-08	1.33E-08	2.96E-08	2.68E-09	2.57E-09	5.25E-09	2.00E-09	1.31E-09	3.31E-09
5621	563365.1	4235175	2.09E-08	1.86E-08	3.95E-08	3.54E-09	2.98E-09	6.52E-09	1.68E-08	1.36E-08	3.05E-08	2.76E-09	2.65E-09	5.40E-09	2.06E-09	1.35E-09	3.41E-09
5622	563355.7	4235179	2.14E-08	1.91E-08	4.05E-08	3.63E-09	3.06E-09	6.70E-09	1.73E-08	1.40E-08	3.13E-08	2.83E-09	2.72E-09	5.55E-09	2.12E-09	1.39E-09	3.50E-09
5623	563346.3	4235183	2.20E-08	1.96E-08	4.16E-08	3.73E-09	3.14E-09	6.87E-09	1.77E-08	1.44E-08	3.21E-08	2.91E-09	2.79E-09	5.70E-09	2.17E-09	1.42E-09	3.59E-09
5624	563336.8	4235187	2.25E-08	2.01E-08	4.27E-08	3.83E-09	3.22E-09	7.05E-09	1.82E-08	1.48E-08	3.30E-08	2.98E-09	2.86E-09	5.84E-09	2.23E-09	1.46E-09	3.69E-09
5625	563327.4	4235192	2.31E-08	2.06E-08	4.37E-08	3.92E-09	3.31E-09	7.23E-09	1.87E-08	1.51E-08	3.38E-08	3.06E-09	2.93E-09	5.99E-09	2.28E-09	1.50E-09	3.78E-09
5626	563318	4235196	2.37E-08	2.11E-08	4.48E-08	4.02E-09	3.39E-09	7.41E-09	1.91E-08	1.55E-08	3.46E-08	3.13E-09	3.01E-09	6.14E-09	2.34E-09	1.54E-09	3.88E-09
5627	563308.6	4235200	2.43E-08	2.17E-08	4.60E-08	4.12E-09	3.47E-09	7.59E-09	1.96E-08	1.59E-08	3.55E-08	3.21E-09	3.08E-09	6.29E-09	2.40E-09	1.57E-09	3.97E-09
5628	563299.1	4235204	2.49E-08	2.22E-08	4.71E-08	4.22E-09	3.56E-09	7.78E-09	2.01E-08	1.63E-08	3.64E-08	3.29E-09	3.16E-09	6.45E-09	2.46E-09	1.61E-09	4.07E-09
5629	563289.7	4235208	2.55E-08	2.27E-08	4.82E-08	4.32E-09	3.64E-09	7.96E-09	2.06E-08	1.67E-08	3.72E-08	3.37E-09	3.23E-09	6.60E-09	2.51E-09	1.65E-09	4.16E-09
5630	563280.3	4235212	2.60E-08	2.32E-08	4.93E-08	4.42E-09	3.72E-09	8.14E-09	2.10E-08	1.70E-08	3.81E-08	3.44E-09	3.30E-09	6.75E-09	2.57E-09	1.69E-09	4.26E-09
5631	563270.5	4235213	2.69E-08	2.40E-08	5.10E-08	4.57E-09	3.85E-09	8.43E-09	2.18E-08	1.76E-08	3.94E-08	3.56E-09	3.42E-09	6.98E-09	2.66E-09	1.75E-09	4.41E-09
5632	563260.4	4235211	2.82E-08	2.51E-08	5.33E-08	4.78E-09	4.03E-09	8.81E-09	2.28E-08	1.84E-08	4.12E-08	3.73E-09	3.58E-09	7.30E-09	2.78E-09	1.83E-09	4.61E-09
5633	563250.4	4235209	2.94E-08	2.63E-08	5.57E-08	4.99E-09	4.21E-09	9.20E-09	2.38E-08	1.93E-08	4.30E-08	3.89E-09	3.73E-09	7.63E-09	2.91E-09	1.91E-09	4.81E-09
5634	563240.3	4235207	3.07E-08	2.74E-08	5.80E-08	5.20E-09	4.39E-09	9.59E-09	2.48E-08	2.01E-08	4.48E-08	4.06E-09	3.89E-09	7.95E-09	3.03E-09	1.99E-09	5.02E-09
5635	563230.2	4235205	3.19E-08	2.85E-08	6.04E-08	5.41E-09	4.56E-09	9.98E-09	2.58E-08	2.09E-08	4.66E-08	4.22E-09	4.05E-09	8.27E-09	3.15E-09	2.07E-09	5.22E-09
5636	563220.1	4235203	3.31E-08	2.95E-08	6.26E-08	5.61E-09	4.73E-09	1.03E-08	2.67E-08	2.16E-08	4.84E-08	4.37E-09	4.20E-09	8.57E-09	3.27E-09	2.14E-09	5.41E-09
5637	563210	4235201	3.42E-08	3.05E-08	6.47E-08	5.80E-09	4.89E-09	1.07E-08	2.76E-08	2.24E-08	5.00E-08	4.52E-09	4.34E-09	8.86E-09	3.38E-09	2.22E-09	5.59E-09
5638	563200	4235199	3.52E-08	3.14E-08	6.66E-08	5.97E-09	5.04E-09	1.10E-08	2.84E-08	2.30E-08	5.15E-08	4.66E-09	4.47E-09	9.12E-09	3.48E-09	2.28E-09	5.76E-09

5639	563189.9	4235197	3.61E-08	3.22E-08	6.83E-08	6.13E-09	5.16E-09	1.13E-08	2.92E-08	2.36E-08	5.28E-08	4.78E-09	4.58E-09	9.36E-09	3.57E-09	2.34E-09	5.91E-09
5640	563179.8	4235195	3.69E-08	3.29E-08	6.98E-08	6.26E-09	5.27E-09	1.15E-08	2.98E-08	2.41E-08	5.39E-08	4.88E-09	4.68E-09	9.55E-09	3.64E-09	2.39E-09	6.03E-09
5641	563169.7	4235193	3.75E-08	3.34E-08	7.09E-08	6.36E-09	5.36E-09	1.17E-08	3.03E-08	2.45E-08	5.48E-08	4.96E-09	4.75E-09	9.71E-09	3.70E-09	2.43E-09	6.13E-09
5642	563159.7	4235191	3.79E-08	3.38E-08	7.17E-08	6.43E-09	5.42E-09	1.18E-08	3.06E-08	2.48E-08	5.54E-08	5.01E-09	4.81E-09	9.82E-09	3.74E-09	2.46E-09	6.20E-09
5643	563149.6	4235189	3.81E-08	3.40E-08	7.21E-08	6.47E-09	5.45E-09	1.19E-08	3.08E-08	2.49E-08	5.57E-08	5.04E-09	4.84E-09	9.87E-09	3.76E-09	2.47E-09	6.23E-09
5644	563139.5	4235187	3.81E-08	3.40E-08	7.21E-08	6.47E-09	5.45E-09	1.19E-08	3.08E-08	2.49E-08	5.57E-08	5.04E-09	4.84E-09	9.88E-09	3.76E-09	2.47E-09	6.23E-09
5645	563421	4235149	1.75E-08	1.56E-08	3.32E-08	2.97E-09	2.51E-09	5.48E-09	1.41E-08	1.15E-08	2.56E-08	2.32E-09	2.22E-09	4.54E-09	1.73E-09	1.14E-09	2.87E-09
5646	563425.2	4235170	1.64E-08	1.46E-08	3.10E-08	2.78E-09	2.34E-09	5.12E-09	1.32E-08	1.07E-08	2.39E-08	2.16E-09	2.08E-09	4.24E-09	1.62E-09	1.06E-09	2.68E-09
5647	563415.7	4235174	1.68E-08	1.50E-08	3.19E-08	2.86E-09	2.41E-09	5.27E-09	1.36E-08	1.10E-08	2.46E-08	2.23E-09	2.14E-09	4.37E-09	1.66E-09	1.09E-09	2.76E-09
5648	563406.2	4235178	1.73E-08	1.55E-08	3.28E-08	2.94E-09	2.48E-09	5.42E-09	1.40E-08	1.13E-08	2.53E-08	2.29E-09	2.20E-09	4.49E-09	1.71E-09	1.12E-09	2.83E-09
5649	563396.7	4235182	1.78E-08	1.59E-08	3.37E-08	3.02E-09	2.55E-09	5.56E-09	1.44E-08	1.16E-08	2.60E-08	2.35E-09	2.26E-09	4.61E-09	1.76E-09	1.15E-09	2.91E-09
5650	563387.1	4235186	1.83E-08	1.63E-08	3.46E-08	3.11E-09	2.62E-09	5.72E-09	1.48E-08	1.20E-08	2.68E-08	2.42E-09	2.32E-09	4.74E-09	1.81E-09	1.19E-09	2.99E-09
5651	563377.6	4235191	1.88E-08	1.68E-08	3.56E-08	3.20E-09	2.69E-09	5.89E-09	1.52E-08	1.23E-08	2.75E-08	2.49E-09	2.39E-09	4.88E-09	1.86E-09	1.22E-09	3.08E-09
5652	563368.1	4235195	1.94E-08	1.73E-08	3.66E-08	3.28E-09	2.77E-09	6.05E-09	1.56E-08	1.27E-08	2.83E-08	2.56E-09	2.46E-09	5.02E-09	1.91E-09	1.25E-09	3.17E-09
5653	563358.6	4235199	1.99E-08	1.77E-08	3.76E-08	3.37E-09	2.84E-09	6.21E-09	1.60E-08	1.30E-08	2.90E-08	2.63E-09	2.52E-09	5.15E-09	1.96E-09	1.29E-09	3.25E-09
5654	563349.1	4235203	2.03E-08	1.82E-08	3.85E-08	3.45E-09	2.91E-09	6.36E-09	1.64E-08	1.33E-08	2.97E-08	2.69E-09	2.58E-09	5.27E-09	2.01E-09	1.32E-09	3.33E-09
5655	563339.6	4235207	2.08E-08	1.86E-08	3.94E-08	3.54E-09	2.98E-09	6.52E-09	1.68E-08	1.36E-08	3.05E-08	2.76E-09	2.65E-09	5.40E-09	2.06E-09	1.35E-09	3.41E-09
5656	563330.1	4235211	2.14E-08	1.91E-08	4.04E-08	3.62E-09	3.05E-09	6.68E-09	1.72E-08	1.40E-08	3.12E-08	2.82E-09	2.71E-09	5.53E-09	2.11E-09	1.38E-09	3.49E-09
5657	563320.5	4235215	2.19E-08	1.95E-08	4.14E-08	3.71E-09	3.13E-09	6.84E-09	1.77E-08	1.43E-08	3.20E-08	2.89E-09	2.78E-09	5.67E-09	2.16E-09	1.42E-09	3.58E-09
5658	563311	4235219	2.24E-08	2.00E-08	4.24E-08	3.80E-09	3.20E-09	7.00E-09	1.81E-08	1.47E-08	3.27E-08	2.96E-09	2.84E-09	5.80E-09	2.21E-09	1.45E-09	3.66E-09
5659	563301.5	4235224	2.29E-08	2.05E-08	4.34E-08	3.89E-09	3.28E-09	7.17E-09	1.85E-08	1.50E-08	3.35E-08	3.03E-09	2.91E-09	5.94E-09	2.26E-09	1.49E-09	3.75E-09
5660	563292	4235228	2.35E-08	2.09E-08	4.44E-08	3.98E-09	3.36E-09	7.34E-09	1.90E-08	1.54E-08	3.43E-08	3.11E-09	2.98E-09	6.09E-09	2.32E-09	1.52E-09	3.84E-09
5661	563282.5	4235232	2.40E-08	2.14E-08	4.55E-08	4.08E-09	3.44E-09	7.52E-09	1.94E-08	1.57E-08	3.51E-08	3.18E-09	3.05E-09	6.23E-09	2.37E-09	1.56E-09	3.93E-09
5662	563272.6	4235233	2.49E-08	2.22E-08	4.71E-08	4.22E-09	3.56E-09	7.78E-09	2.01E-08	1.63E-08	3.64E-08	3.29E-09	3.16E-09	6.45E-09	2.46E-09	1.61E-09	4.07E-09
5663	563262.5	4235231	2.60E-08	2.32E-08	4.91E-08	4.41E-09	3.71E-09	8.12E-09	2.10E-08	1.70E-08	3.80E-08	3.44E-09	3.30E-09	6.73E-09	2.57E-09	1.68E-09	4.25E-09
5664	563252.3	4235229	2.71E-08	2.42E-08	5.13E-08	4.60E-09	3.87E-09	8.47E-09	2.19E-08	1.77E-08	3.96E-08	3.58E-09	3.44E-09	7.02E-09	2.68E-09	1.76E-09	4.43E-09
5665	563242.1	4235227	2.82E-08	2.52E-08	5.33E-08	4.78E-09	4.03E-09	8.82E-09	2.28E-08	1.85E-08	4.12E-08	3.73E-09	3.58E-09	7.31E-09	2.78E-09	1.83E-09	4.61E-09
5666	563231.9	4235225	2.93E-08	2.61E-08	5.54E-08	4.97E-09	4.19E-09	9.16E-09	2.36E-08	1.92E-08	4.28E-08	3.87E-09	3.72E-09	7.59E-09	2.89E-09	1.90E-09	4.79E-09
5667	563221.7	4235223	3.03E-08	2.71E-08	5.74E-08	5.15E-09	4.34E-09	9.49E-09	2.45E-08	1.99E-08	4.43E-08	4.01E-09	3.85E-09	7.86E-09	3.00E-09	1.97E-09	4.96E-09
5668	563211.6	4235221	3.13E-08	2.79E-08	5.93E-08	5.32E-09	4.48E-09	9.80E-09	2.53E-08	2.05E-08	4.58E-08	4.14E-09	3.97E-09	8.12E-09	3.09E-09	2.03E-09	5.12E-09
5669	563201.4	4235219	3.22E-08	2.88E-08	6.10E-08	5.47E-09	4.61E-09	1.01E-08	2.60E-08	2.11E-08	4.71E-08	4.26E-09	4.09E-09	8.35E-09	3.18E-09	2.09E-09	5.27E-09
5670	563191.2	4235217	3.31E-08	2.95E-08	6.25E-08	5.61E-09	4.73E-09	1.03E-08	2.67E-08	2.16E-08	4.83E-08	4.37E-09	4.19E-09	8.57E-09	3.26E-09	2.14E-09	5.41E-09
5671	563181	4235215	3.38E-08	3.01E-08	6.39E-08	5.73E-09	4.83E-09	1.06E-08	2.73E-08	2.21E-08	4.93E-08	4.46E-09	4.28E-09	8.75E-09	3.33E-09	2.19E-09	5.52E-09
5672	563170.9	4235213	3.43E-08	3.06E-08	6.49E-08	5.82E-09	4.91E-09	1.07E-08	2.77E-08	2.25E-08	5.02E-08	4.54E-09	4.35E-09	8.89E-09	3.39E-09	2.22E-09	5.61E-09
5673	563160.7	4235211	3.47E-08	3.10E-08	6.57E-08	5.89E-09	4.97E-09	1.09E-08	2.80E-08	2.27E-08	5.08E-08	4.59E-09	4.41E-09	9.00E-09	3.43E-09	2.25E-09	5.68E-09
5674	563150.5	4235209	3.50E-08	3.12E-08	6.61E-08	5.93E-09	5.00E-09	1.09E-08	2.82E-08	2.29E-08	5.11E-08	4.62E-09	4.44E-09	9.06E-09	3.45E-09	2.27E-09	5.72E-09
5675	563140.3	4235207	3.50E-08	3.12E-08	6.63E-08	5.94E-09	5.01E-09	1.09E-08	2.83E-08	2.29E-08	5.12E-08	4.63E-09	4.44E-09	9.07E-09	3.46E-09	2.27E-09	5.73E-09
5676	563130.2	4235205	3.49E-08	3.11E-08	6.60E-08	5.92E-09	4.99E-09	1.09E-08	2.82E-08	2.28E-08	5.10E-08	4.61E-09	4.43E-09	9.04E-09	3.45E-09	2.26E-09	5.71E-09
5677	563434	4235164	1.60E-08	1.43E-08	3.02E-08	2.71E-09	2.28E-09	5.00E-09	1.29E-08	1.05E-08	2.34E-08	2.11E-09	2.03E-09	4.14E-09	1.58E-09	1.04E-09	2.61E-09
5678	563438.2	4235185	1.50E-08	1.33E-08	2.83E-08	2.54E-09	2.14E-09	4.68E-09	1.21E-08	9.79E-09	2.19E-08	1.98E-09	1.90E-09	3.88E-09	1.48E-09	9.70E-10	2.45E-09
5679	563428.6	4235189	1.54E-08	1.37E-08	2.91E-08	2.61E-09	2.20E-09	4.81E-09	1.24E-08	1.01E-08	2.25E-08	2.03E-09	1.95E-09	3.99E-09	1.52E-09	9.97E-10	2.52E-09
5680	563419	4235193	1.58E-08	1.41E-08	2.99E-08	2.68E-09	2.26E-09	4.94E-09	1.28E-08	1.03E-08	2.31E-08	2.09E-09	2.01E-09	4.10E-09	1.56E-09	1.02E-09	2.59E-09
5681	563409.4	4235198	1.62E-08	1.45E-08	3.07E-08	2.75E-09	2.32E-09	5.07E-09	1.31E-08	1.06E-08	2.37E-08	2.15E-09	2.06E-09	4.20E-09	1.60E-09	1.05E-09	2.65E-09
5682	563399.8	4235202	1.66E-08	1.48E-08	3.15E-08	2.82E-09	2.38E-09	5.20E-09	1.34E-08	1.09E-08	2.43E-08	2.20E-09	2.11E-09	4.31E-09	1.64E-09	1.08E-09	2.72E-09
5683	563390.2	4235206	1.71E-08	1.52E-08	3.23E-08	2.89E-09	2.44E-09	5.33E-09	1.38E-08	1.12E-08	2.49E-08	2.26E-09	2.16E-09	4.42E-09	1.68E-09	1.11E-09	2.79E-09
5684	563380.6	4235210	1.75E-08	1.56E-08	3.32E-08	2.98E-09	2.51E-09	5.48E-09	1.42E-08	1.15E-08	2.56E-08	2.32E-09	2.23E-09	4.54E-09	1.73E-09	1.14E-09	2.87E-09
5685	563371	4235214	1.80E-08	1.61E-08	3.41E-08	3.05E-09	2.57E-09	5.63E-09	1.45E-08	1.18E-08	2.63E-08	2.38E-09	2.28E-09	4.66E-09	1.78E-09	1.17E-09	2.94E-09
5686	563361.4	4235218	1.85E-08	1.65E-08	3.49E-08	3.13E-09	2.64E-09	5.77E-09	1.49E-08	1.21E-08	2.70E-08	2.44E-09	2.34E-09	4.78E-09	1.82E-09	1.20E-09	3.02E-09
5687	563351.8	4235223	1.89E-08	1.68E-08	3.57E-08	3.20E-09	2.70E-09	5.91E-09	1.52E-08	1.24E-08	2.76E-08	2.50E-09	2.40E-09	4.89E-09	1.87E-09	1.22E-09	3.09E-09
5688	563342.2	4235227	1.93E-08	1.72E-08	3.66E-08	3.28E-09	2.76E-09	6.04E-09	1.56E-08	1.27E-08	2.83E-08	2.56E-09	2.45E-09	5.01E-09	1.91E-09	1.25E-09	3.16E-09
5689	563332.6	4235231	1.98E-08	1.77E-08	3.74E-08	3.36E-09	2.83E-09	6.19E-09	1.60E-08	1.29E-08	2.89E-08	2.62E-09	2.51E-09	5.13E-09	1.95E-09	1.28E-09	3.24E-09
5690	563323	4235235	2.02E-08	1.81E-08	3.83E-08	3.44E-09	2.90E-09	6.33E-09	1.63E-08	1.33E-08	2.96E-08	2.68E-09	2.57E-09	5.25E-09	2.00E-09	1.31E-09	3.31E-09
5691	563313.4	4235239	2.07E-08	1.85E-08	3.92E-08	3.52E-09	2.96E-09	6.48E-09	1.67E-08	1.36E-08	3.03E-08	2.74E-09	2.63E-09	5.37E-09	2.05E-09	1.34E-09	3.39E-09
5692	563303.9	4235243	2.12E-08	1.89E-08	4.02E-08	3.60E-09	3.04E-09	6.64E-09	1.71E-08	1.39E-08	3.10E-08	2.81E-09	2.69E-09	5.50E-09	2.10E-09	1.38E-09	3.47E-09
5693	563294.3	4235247	2.17E-08	1.94E-08	4.11E-08	3.69E-09	3.11E-09	6.80E-09	1.76E-08	1.42E-08	3.18E-08	2.88E-09	2.76E-09	5.63E-09	2.15E-09	1.41E-09	3.56E-09
5694	563284.7	4235252	2.22E-08	1.98E-08	4.21E-08	3.77E-09	3.18E-09	6.95E-09	1.79E-08	1.45E-08	3.25E-08	2.94E-09	2.82E-09	5.76E-09	2.20E-09	1.44E-09	3.64E-09
5695	563274.7	4235253	2.30E-08	2.05E-08	4.34E-08	3.90E-09	3.28E-09	7.18E-09	1.85E-08	1.50E-08	3.36E-08	3.04E-09	2.91E-09	5.95E-09	2.27E-09	1.49E-09	3.76E-09
5696	563264.5	4235251	2.40E-08	2.14E-08	4.53E-08	4.06E-09	3.43E-09	7.49E-09	1.93E-08	1.57E-08	3.50E-08	3.17E-09	3.04E-09	6.21E-09	2.37E-09	1.55E-09	3.92E-09
5697	563254.2	4235249	2.50E-08	2.23E-08	4.72E-08	4.23E-09	3.57E-09	7.80E-09	2.01E-08	1.63E-08	3.65E-08	3.30E-09	3.17E-09	6.47E-09	2.46E-09	1.62E-09	4.08E-09
5698	563243.9	4235247	2.60E-08	2.32E-08	4.91E-08	4.40E-09	3.71E-09	8.12E-09	2.10E-08	1.70E-08	3.79E-08	3.43E-09	3.29E-09	6.73E-09	2.56E-09	1.68E-09	4.25E-09
5699	563233.7	4235245	2.69E-08	2.40E-08	5.10E-08	4.57E-09	3.85E-09	8.42E-09	2.17E-08	1.76E-08	3.94E-08	3.56E-09	3.42E-09	6.98E-09	2.66E-09	1.75E-09	4.41E-09
5700	563223.4	4235243	2.79E-08	2.49E-08	5.28E-08	4.73E-09	3.99E-09	8.72E-09	2.25E-08	1.82E-08	4.08E-08	3.69E-09	3.54E-09	7.23E-09	2.75E-09	1.81E-09	4.56E-09
5701	563213.2	4235241	2.88E-08	2.57E-08	5.45E-08	4.88E-09	4.12E-09	9.00E-09	2.32E-08	1.88E-08	4.21E-08	3.81E-09	3.65E-09	7.46E-09	2.84E-09	1.87E-09	4.71E-09
5702	563202.9	4235239	2.96E-08	2.64E-08	5.61E-08	5.03E-09	4.24E-09	9.26E-09	2.39E-08	1.94E-08	4.33E-08	3.92E-09	3.76E-09	7.68E-09	2.93E-09	1.92E-09	4.85E-09
5703	563192.6	4235237	3.04E-08	2.71E-08	5.75E-08	5.16E-09	4.35E-09	9.50E-09	2.45E-08	1.99E-08	4.44E-08	4.02E-09	3.86E-09	7.87E-09	3.00E-09	1.97E-09	4.97E-09
5704	563182.4	4235235	3.10E-08	2.77E-08	5.87E-08	5.26E-09	4.44E-09	9.70E-09	2.51E-08	2.03E-08	4.54E-08	4.10E-09	3.94E-09	8.04E-09	3.06E-09	2.01E-09	5.07E-09
5705	563172.1	4235233	3.16E-08	2.81E-08	5.97E-08	5.35E-09	4.51E-09	9.87E-09	2.55E-08	2.06E-08	4.61E-08	4.17E-09	4.00E-09	8.18E-09	3.12E-09	2.04E-09	5.16E-09
5706	563161.9	4235231	3.19E-08	2.85E-08	6.04E-08	5.42E-09	4.57E-09	9.99E-09	2.58E-08	2.09E-08	4.67E-08	4.22E-09	4.05E-09	8.28E-09	3.15E-09	2.07E-09	5.23E-09
5707	563151.6	4235229	3.22E-08	2.87E-08	6.09E-08	5.46E-09	4.60E-09	1.01E-08	2.60E-08	2.11E-08	4.70E-08	4.26E-09	4.08E-09	8.34E-09	3.18E-09	2.09E-09	5.26E-09
5708	563141.3	4235227	3.22E-08	2.87E-08	6.09E-08	5.46E-09	4.60E-09	1.01E-08	2.60E-08	2.11E-08	4.71E-08	4.26E-09	4.08E-09	8.34E-09	3.18E-09	2.09E-09	5.27E-09
5709	563131.1	4235225	3.21E-08	2.86E-08	6.06E-08	5.44E-09	4.58E-09	1.00E-08	2.59E-08	2.10E-08	4.69E-08	4.24E-09	4.07E-09	8.31E-09	3.17E-09	2.08E-09	5.24E-09
5710	563120.8	4235223	3.18E-08	2.83E-08	6.01E-08	5.39E-09	4.54E-09	9.93E-09	2.56E-08	2.08E-08	4.64E-08	4.20E-09	4.03E-09	8.23E-09	3.14E-09	2.06E-09	5.20E-09
5711	563447	4235180	1.46E-08	1.30E-08	2.77E-08	2.48E-09	2.09E-09	4.57E-09	1.18E-08	9.57E-09	2.14E-08	1.93E-09	1.86E-09	3.79E-09	1.44E-09	9.48E-10	2.39E-09
5712	563464.3	4235216	1.27E-08	1.13E-08	2.39E-08	2.15E-09	1.81E-09	3.96E-09	1.02E-08	8.28E-09	1.85E-08	1.67E-09	1.61E-09	3.28E-09	1.25E-09	8.20E-10	2.07E-09
5713	563454.8	4235220	1.30E-08	1.16E-08	2.46E-08	2.20E-09	1.86E-09	4.06E-09	1.05E-08	8.49E-09	1.90E-08	1.72E-09	1.65E-09	3.36E-09	1.28E-09	8.41E-10	2.12E-09
5714	563445.3	4235224	1.33E-08	1.19E-08	2.52E-08	2.26E-09	1.90E-09	4.16E-09	1.07E-08	8.70E-09	1.94E-08	1.76E-09	1.69E-09	3.45E-09	1.31E-09	8.62E-10	2.18E-09
5715	563435.9	4235228	1.36E-08	1.21E-08	2.58E-08	2.31E-09	1.95E-09	4.26E-09	1.10E-08	8.91E-09	1.99E-08	1.80E-09	1.73E-09	3.53E-09	1.34E-09	8.82E-10	2.23E-09
5716	563426.4	4235232	1.39E-08	1.24E-08	2.63E-08	2.36E-09	1.99E-09	4.35E-09	1.12E-08	9.11E-09	2.04E-08	1.84E-09	1.77E-09	3.61E-09	1.38E-09	9.02E-10	2.28E-09
5717	563416.9	4235236	1.43E-08	1.27E-08	2.70E-08	2.42E-09	2.04E-09	4.46E-09	1.15E-08	9.33E-09	2.09E-08	1.89E-09	1.81E-09	3.70E-09	1.41E-09	9.24E-10	2.33E-09
5718	563407.4	4235240	1.46E-08	1.30E-08	2.77E-08	2.48E-09	2.09E-09	4.57E-09	1.18E-08	9.57E-09	2.14E-08	1.93E-09	1.86E-09	3.79E-09	1.44E-09	9.48E-10	2.39E-09
5719	563397.9	4235244	1.50E-08	1.34E-08	2.83E-08	2.54E-09	2.14E-09	4.68E-09	1.21E-08	9.80E-09	2.19E-08	1.98E-09	1.90E-09	3.88E-09	1.48E-09	9.71E-10	2.45E-09
5720	563388.5	4235248	1.53E-08	1.37E-08	2.90E-08	2.60E-09	2.19E-09	4.79E-09	1.24E-08	1.00E-08	2.24E-08	2.02E-09	1.94E-09	3.97E-09	1.51E-09	9.92E-10	2.50E-09
5721	563379	4235252	1.56E-08	1.39E-08	2.96E-08	2.65E-09	2.23E-09	4.88E-09	1.26E-08	1.02E-08	2.28E-08	2.07E-09	1.98E-09	4.05E-09	1.54E-09	1.01E-09	2.56E-09
5722	563369.5	4235257	1.59E-08	1.42E-08	3.02E-08	2.71E-09	2.28E-09	4.99E-09	1.29E-08	1.04E-08	2.33E-08	2.11E-09	2.02E-09	4.13E-09	1.58E-09	1.03E-09	2.61E-09
5723	563360	4235261	1.63E-08	1.45E-08	3.08E-08	2.76E-09	2.33E-09	5.09E-09	1.32E-08	1.07E-08	2.38E-08	2.15E-09	2.07E-09	4.22E-09	1.61E-09	1.06E-09	2.66E-09
5724	563350.5	4235265	1.66E-08	1.48E-08	3.15E-08	2.82E-09	2.38E-09	5.20E-09	1.34E-08	1.09E-08	2.43E-08	2.20E-09	2.11E-09	4.31E-09	1.64E-09	1.08E-09	2.72E-09
5725	563341.1	4235269	1.70E-08	1.52E-08	3.22E-08	2.89E-09	2.43E-09	5.32E-09	1.37E-08	1.11E-08	2.49E-08	2.25E-09	2.16E-09	4.41E-09	1.68E-09	1.10E-09	2.78E-09
5726	563331.6	4235273	1.74E-08	1.55E-08	3.29E-08	2.95E-09	2.49E-09	5.44E-09	1.40E-08	1.14E-08	2.54E-08	2.30E-09	2.21E-09	4.51E-09	1.72E-09	1.13E-09	2.85E-09
5727	563322.1	4235277	1.78E-08	1.59E-08	3.37E-08	3.02E-09	2.55E-09	5.57E-09	1.44E-08	1.17E-08	2.60E-08	2.36E-09	2.26E-09	4.62E-09	1.76E-09	1.15E-09	2.91E-09
5728	563312.6	4235281	1.82E-08	1.63E-08	3.45E-08	3.09E-09	2.61E-09	5.70E-09	1.47E-08	1.19E-08	2.66E-08	2.41E-09	2.31E-09	4.72E-09	1.80E-09	1.18E-09	2.98E-09
5729	563303.1	4235285	1.86E-08	1.66E-08	3.52E-08	3.16E-09	2.66E-09	5.82E-09	1.50E-08	1.22E-08	2.72E-08	2.46E-09	2.36E-09	4.82E-09	1.84E-09	1.21E-09	3.04E-09

5730	563293.6	4235289	1.90E-08	1.70E-08	3.60E-08	3.23E-09	2.72E-09	5.94E-09	1.53E-08	1.24E-08	2.78E-08	2.51E-09	2.41E-09	4.93E-09	1.88E-09	1.23E-09	3.11E-09
5731	563279.1	4235292	1.98E-08	1.77E-08	3.75E-08	3.36E-09	2.83E-09	6.19E-09	1.60E-08	1.30E-08	2.89E-08	2.62E-09	2.51E-09	5.13E-09	1.96E-09	1.28E-09	3.24E-09
5732	563269	4235291	2.06E-08	1.84E-08	3.90E-08	3.49E-09	2.95E-09	6.44E-09	1.66E-08	1.35E-08	3.01E-08	2.72E-09	2.61E-09	5.34E-09	2.03E-09	1.33E-09	3.37E-09
5733	563258.8	4235289	2.14E-08	1.91E-08	4.04E-08	3.63E-09	3.06E-09	6.68E-09	1.73E-08	1.40E-08	3.12E-08	2.83E-09	2.71E-09	5.54E-09	2.11E-09	1.39E-09	3.50E-09
5734	563248.7	4235287	2.22E-08	1.98E-08	4.19E-08	3.76E-09	3.17E-09	6.93E-09	1.79E-08	1.45E-08	3.24E-08	2.93E-09	2.81E-09	5.74E-09	2.19E-09	1.44E-09	3.62E-09
5735	563238.5	4235285	2.29E-08	2.04E-08	4.33E-08	3.89E-09	3.28E-09	7.16E-09	1.85E-08	1.50E-08	3.35E-08	3.03E-09	2.91E-09	5.94E-09	2.26E-09	1.48E-09	3.75E-09
5736	563228.4	4235283	2.36E-08	2.11E-08	4.47E-08	4.01E-09	3.38E-09	7.39E-09	1.91E-08	1.55E-08	3.46E-08	3.13E-09	3.00E-09	6.13E-09	2.34E-09	1.53E-09	3.87E-09
5737	563218.3	4235281	2.44E-08	2.17E-08	4.61E-08	4.13E-09	3.48E-09	7.61E-09	1.97E-08	1.59E-08	3.56E-08	3.22E-09	3.09E-09	6.31E-09	2.40E-09	1.58E-09	3.98E-09
5738	563208.1	4235279	2.50E-08	2.23E-08	4.73E-08	4.24E-09	3.58E-09	7.82E-09	2.02E-08	1.64E-08	3.66E-08	3.31E-09	3.17E-09	6.48E-09	2.47E-09	1.62E-09	4.09E-09
5739	563198	4235277	2.56E-08	2.28E-08	4.85E-08	4.35E-09	3.66E-09	8.01E-09	2.07E-08	1.68E-08	3.74E-08	3.39E-09	3.25E-09	6.64E-09	2.53E-09	1.66E-09	4.19E-09
5740	563187.8	4235275	2.61E-08	2.33E-08	4.95E-08	4.44E-09	3.74E-09	8.17E-09	2.11E-08	1.71E-08	3.82E-08	3.46E-09	3.32E-09	6.77E-09	2.58E-09	1.69E-09	4.28E-09
5741	563177.7	4235273	2.66E-08	2.37E-08	5.03E-08	4.51E-09	3.80E-09	8.32E-09	2.15E-08	1.74E-08	3.89E-08	3.52E-09	3.37E-09	6.89E-09	2.63E-09	1.72E-09	4.35E-09
5742	563167.6	4235271	2.70E-08	2.41E-08	5.10E-08	4.58E-09	3.86E-09	8.43E-09	2.18E-08	1.76E-08	3.94E-08	3.57E-09	3.42E-09	6.99E-09	2.66E-09	1.75E-09	4.41E-09
5743	563157.4	4235269	2.72E-08	2.43E-08	5.15E-08	4.62E-09	3.89E-09	8.52E-09	2.20E-08	1.78E-08	3.98E-08	3.60E-09	3.46E-09	7.06E-09	2.69E-09	1.76E-09	4.45E-09
5744	563147.3	4235267	2.74E-08	2.44E-08	5.18E-08	4.65E-09	3.92E-09	8.57E-09	2.21E-08	1.79E-08	4.00E-08	3.62E-09	3.48E-09	7.10E-09	2.71E-09	1.78E-09	4.48E-09
5745	563137.1	4235265	2.75E-08	2.45E-08	5.19E-08	4.66E-09	3.93E-09	8.59E-09	2.22E-08	1.80E-08	4.01E-08	3.63E-09	3.48E-09	7.11E-09	2.71E-09	1.78E-09	4.49E-09
5746	563127	4235263	2.74E-08	2.44E-08	5.18E-08	4.65E-09	3.92E-09	8.56E-09	2.21E-08	1.79E-08	4.00E-08	3.62E-09	3.48E-09	7.10E-09	2.70E-09	1.78E-09	4.48E-09
5747	563116.9	4235261	2.72E-08	2.43E-08	5.15E-08	4.62E-09	3.89E-09	8.51E-09	2.20E-08	1.78E-08	3.98E-08	3.60E-09	3.45E-09	7.05E-09	2.69E-09	1.76E-09	4.45E-09
5748	563106.7	4235259	2.69E-08	2.40E-08	5.09E-08	4.57E-09	3.85E-09	8.41E-09	2.17E-08	1.76E-08	3.93E-08	3.56E-09	3.41E-09	6.97E-09	2.66E-09	1.74E-09	4.40E-09
5749	563096.6	4235257	2.65E-08	2.36E-08	5.01E-08	4.50E-09	3.79E-09	8.29E-09	2.14E-08	1.73E-08	3.87E-08	3.50E-09	3.36E-09	6.87E-09	2.62E-09	1.72E-09	4.33E-09
5750	563490.3	4235246	1.09E-08	9.72E-09	2.06E-08	1.85E-09	1.56E-09	3.41E-09	8.80E-09	7.13E-09	1.59E-08	1.44E-09	1.38E-09	2.82E-09	1.08E-09	7.06E-10	1.78E-09
5751	563480.7	4235250	1.12E-08	9.97E-09	2.11E-08	1.90E-09	1.60E-09	3.49E-09	9.02E-09	7.31E-09	1.63E-08	1.48E-09	1.42E-09	2.90E-09	1.10E-09	7.24E-10	1.83E-09
5752	563471.1	4235254	1.14E-08	1.02E-08	2.17E-08	1.94E-09	1.64E-09	3.58E-09	9.24E-09	7.49E-09	1.67E-08	1.51E-09	1.45E-09	2.97E-09	1.13E-09	7.42E-10	1.87E-09
5753	563461.5	4235258	1.17E-08	1.05E-08	2.22E-08	1.99E-09	1.68E-09	3.66E-09	9.46E-09	7.67E-09	1.71E-08	1.55E-09	1.49E-09	3.04E-09	1.16E-09	7.59E-10	1.92E-09
5754	563451.8	4235263	1.20E-08	1.07E-08	2.27E-08	2.03E-09	1.71E-09	3.75E-09	9.67E-09	7.84E-09	1.75E-08	1.58E-09	1.52E-09	3.10E-09	1.18E-09	7.76E-10	1.96E-09
5755	563442.2	4235267	1.22E-08	1.09E-08	2.32E-08	2.08E-09	1.75E-09	3.83E-09	9.88E-09	8.01E-09	1.79E-08	1.62E-09	1.55E-09	3.17E-09	1.21E-09	7.93E-10	2.00E-09
5756	563432.6	4235271	1.25E-08	1.11E-08	2.36E-08	2.12E-09	1.79E-09	3.91E-09	1.01E-08	8.18E-09	1.83E-08	1.65E-09	1.59E-09	3.24E-09	1.23E-09	8.10E-10	2.04E-09
5757	563423	4235275	1.28E-08	1.14E-08	2.41E-08	2.16E-09	1.82E-09	3.99E-09	1.03E-08	8.35E-09	1.86E-08	1.69E-09	1.62E-09	3.30E-09	1.26E-09	8.26E-10	2.09E-09
5758	563413.4	4235279	1.30E-08	1.16E-08	2.46E-08	2.21E-09	1.86E-09	4.07E-09	1.05E-08	8.51E-09	1.90E-08	1.72E-09	1.65E-09	3.37E-09	1.28E-09	8.43E-10	2.13E-09
5759	563403.8	4235283	1.33E-08	1.18E-08	2.51E-08	2.25E-09	1.90E-09	4.15E-09	1.07E-08	8.69E-09	1.94E-08	1.76E-09	1.68E-09	3.44E-09	1.31E-09	8.60E-10	2.17E-09
5760	563394.2	4235287	1.35E-08	1.21E-08	2.56E-08	2.30E-09	1.94E-09	4.23E-09	1.09E-08	8.86E-09	1.98E-08	1.79E-09	1.72E-09	3.51E-09	1.34E-09	8.78E-10	2.22E-09
5761	563384.6	4235292	1.38E-08	1.23E-08	2.61E-08	2.34E-09	1.98E-09	4.32E-09	1.12E-08	9.04E-09	2.02E-08	1.83E-09	1.75E-09	3.58E-09	1.36E-09	8.96E-10	2.26E-09
5762	563375	4235296	1.41E-08	1.26E-08	2.67E-08	2.39E-09	2.02E-09	4.41E-09	1.14E-08	9.23E-09	2.06E-08	1.87E-09	1.79E-09	3.65E-09	1.39E-09	9.14E-10	2.31E-09
5763	563365.3	4235300	1.44E-08	1.29E-08	2.73E-08	2.45E-09	2.06E-09	4.51E-09	1.16E-08	9.43E-09	2.11E-08	1.91E-09	1.83E-09	3.74E-09	1.42E-09	9.34E-10	2.36E-09
5764	563355.7	4235304	1.47E-08	1.31E-08	2.79E-08	2.50E-09	2.11E-09	4.61E-09	1.19E-08	9.64E-09	2.15E-08	1.95E-09	1.87E-09	3.82E-09	1.45E-09	9.54E-10	2.41E-09
5765	563346.1	4235308	1.50E-08	1.34E-08	2.85E-08	2.55E-09	2.15E-09	4.70E-09	1.21E-08	9.84E-09	2.20E-08	1.99E-09	1.91E-09	3.90E-09	1.49E-09	9.75E-10	2.46E-09
5766	563336.5	4235312	1.53E-08	1.37E-08	2.90E-08	2.60E-09	2.20E-09	4.80E-09	1.24E-08	1.00E-08	2.24E-08	2.03E-09	1.95E-09	3.98E-09	1.52E-09	9.95E-10	2.51E-09
5767	563326.9	4235317	1.57E-08	1.40E-08	2.96E-08	2.66E-09	2.24E-09	4.90E-09	1.27E-08	1.03E-08	2.29E-08	2.07E-09	1.99E-09	4.06E-09	1.55E-09	1.02E-09	2.56E-09
5768	563317.3	4235321	1.60E-08	1.43E-08	3.03E-08	2.71E-09	2.29E-09	5.00E-09	1.29E-08	1.05E-08	2.34E-08	2.12E-09	2.03E-09	4.15E-09	1.58E-09	1.04E-09	2.62E-09
5769	563307.7	4235325	1.63E-08	1.46E-08	3.09E-08	2.77E-09	2.33E-09	5.10E-09	1.32E-08	1.07E-08	2.39E-08	2.16E-09	2.07E-09	4.23E-09	1.61E-09	1.06E-09	2.67E-09
5770	563298.1	4235329	1.66E-08	1.48E-08	3.15E-08	2.82E-09	2.38E-09	5.20E-09	1.34E-08	1.09E-08	2.43E-08	2.20E-09	2.11E-09	4.31E-09	1.64E-09	1.08E-09	2.72E-09
5771	563283.3	4235332	1.73E-08	1.54E-08	3.26E-08	2.93E-09	2.47E-09	5.39E-09	1.39E-08	1.13E-08	2.52E-08	2.28E-09	2.19E-09	4.47E-09	1.70E-09	1.12E-09	2.82E-09
5772	563273	4235330	1.79E-08	1.60E-08	3.38E-08	3.04E-09	2.56E-09	5.59E-09	1.44E-08	1.17E-08	2.61E-08	2.37E-09	2.27E-09	4.64E-09	1.77E-09	1.16E-09	2.93E-09
5773	563262.8	4235328	1.86E-08	1.66E-08	3.51E-08	3.15E-09	2.65E-09	5.81E-09	1.50E-08	1.21E-08	2.71E-08	2.46E-09	2.36E-09	4.81E-09	1.83E-09	1.20E-09	3.04E-09
5774	563252.5	4235326	1.92E-08	1.72E-08	3.64E-08	3.27E-09	2.75E-09	6.02E-09	1.55E-08	1.26E-08	2.81E-08	2.55E-09	2.44E-09	4.99E-09	1.90E-09	1.25E-09	3.15E-09
5775	563242.2	4235324	1.99E-08	1.78E-08	3.77E-08	3.38E-09	2.85E-09	6.23E-09	1.61E-08	1.30E-08	2.91E-08	2.63E-09	2.53E-09	5.16E-09	1.97E-09	1.29E-09	3.26E-09
5776	563231.9	4235322	2.05E-08	1.83E-08	3.88E-08	3.48E-09	2.93E-09	6.42E-09	1.66E-08	1.34E-08	3.00E-08	2.71E-09	2.60E-09	5.32E-09	2.03E-09	1.33E-09	3.36E-09
5777	563221.7	4235320	2.11E-08	1.88E-08	3.99E-08	3.58E-09	3.02E-09	6.60E-09	1.70E-08	1.38E-08	3.09E-08	2.79E-09	2.68E-09	5.47E-09	2.08E-09	1.37E-09	3.45E-09
5778	563211.4	4235318	2.17E-08	1.93E-08	4.10E-08	3.67E-09	3.10E-09	6.77E-09	1.75E-08	1.42E-08	3.17E-08	2.86E-09	2.75E-09	5.61E-09	2.14E-09	1.40E-09	3.54E-09
5779	563201.1	4235316	2.22E-08	1.98E-08	4.19E-08	3.76E-09	3.17E-09	6.93E-09	1.79E-08	1.45E-08	3.24E-08	2.93E-09	2.81E-09	5.74E-09	2.19E-09	1.44E-09	3.63E-09
5780	563190.8	4235314	2.26E-08	2.02E-08	4.28E-08	3.84E-09	3.24E-09	7.07E-09	1.83E-08	1.48E-08	3.31E-08	2.99E-09	2.87E-09	5.86E-09	2.23E-09	1.47E-09	3.70E-09
5781	563180.5	4235312	2.30E-08	2.05E-08	4.36E-08	3.91E-09	3.29E-09	7.20E-09	1.86E-08	1.51E-08	3.37E-08	3.04E-09	2.92E-09	5.97E-09	2.27E-09	1.49E-09	3.77E-09
5782	563170.3	4235310	2.34E-08	2.08E-08	4.42E-08	3.96E-09	3.34E-09	7.30E-09	1.89E-08	1.53E-08	3.41E-08	3.09E-09	2.96E-09	6.05E-09	2.31E-09	1.51E-09	3.82E-09
5783	563160	4235308	2.36E-08	2.11E-08	4.47E-08	4.01E-09	3.38E-09	7.38E-09	1.91E-08	1.55E-08	3.45E-08	3.12E-09	3.00E-09	6.12E-09	2.33E-09	1.53E-09	3.86E-09
5784	563149.7	4235306	2.38E-08	2.12E-08	4.50E-08	4.04E-09	3.40E-09	7.44E-09	1.92E-08	1.56E-08	3.48E-08	3.15E-09	3.02E-09	6.17E-09	2.35E-09	1.54E-09	3.89E-09
5785	563139.4	4235304	2.39E-08	2.13E-08	4.52E-08	4.05E-09	3.42E-09	7.47E-09	1.93E-08	1.56E-08	3.49E-08	3.16E-09	3.03E-09	6.19E-09	2.36E-09	1.55E-09	3.91E-09
5786	563129.2	4235302	2.39E-08	2.13E-08	4.52E-08	4.06E-09	3.42E-09	7.47E-09	1.93E-08	1.56E-08	3.49E-08	3.16E-09	3.03E-09	6.19E-09	2.36E-09	1.55E-09	3.91E-09
5787	563118.9	4235300	2.38E-08	2.12E-08	4.51E-08	4.04E-09	3.41E-09	7.45E-09	1.92E-08	1.56E-08	3.48E-08	3.15E-09	3.02E-09	6.17E-09	2.35E-09	1.54E-09	3.90E-09
5788	563108.6	4235298	2.36E-08	2.11E-08	4.47E-08	4.01E-09	3.38E-09	7.39E-09	1.91E-08	1.55E-08	3.46E-08	3.13E-09	3.00E-09	6.13E-09	2.33E-09	1.53E-09	3.87E-09
5789	563098.3	4235296	2.34E-08	2.09E-08	4.42E-08	3.97E-09	3.34E-09	7.31E-09	1.89E-08	1.53E-08	3.42E-08	3.09E-09	2.97E-09	6.06E-09	2.31E-09	1.51E-09	3.82E-09
5790	563088.1	4235294	2.30E-08	2.05E-08	4.36E-08	3.91E-09	3.29E-09	7.20E-09	1.86E-08	1.51E-08	3.37E-08	3.04E-09	2.92E-09	5.97E-09	2.27E-09	1.49E-09	3.77E-09
5791	563077.8	4235292	2.26E-08	2.02E-08	4.27E-08	3.83E-09	3.23E-09	7.06E-09	1.82E-08	1.48E-08	3.30E-08	2.99E-09	2.87E-09	5.85E-09	2.23E-09	1.46E-09	3.69E-09
5792	563516.3	4235276	9.59E-09	8.56E-09	1.81E-08	1.63E-09	1.37E-09	3.00E-09	7.74E-09	6.28E-09	1.40E-08	1.27E-09	1.22E-09	2.49E-09	9.47E-10	6.22E-10	1.57E-09
5793	563506.6	4235280	9.83E-09	8.77E-09	1.86E-08	1.67E-09	1.41E-09	3.07E-09	7.93E-09	6.43E-09	1.44E-08	1.30E-09	1.25E-09	2.55E-09	9.70E-10	6.37E-10	1.61E-09
5794	563496.8	4235285	1.00E-08	8.96E-09	1.90E-08	1.70E-09	1.44E-09	3.14E-09	8.11E-09	6.57E-09	1.47E-08	1.33E-09	1.27E-09	2.60E-09	9.92E-10	6.51E-10	1.64E-09
5795	563487.1	4235289	1.02E-08	9.14E-09	1.94E-08	1.74E-09	1.47E-09	3.20E-09	8.27E-09	6.70E-09	1.50E-08	1.35E-09	1.30E-09	2.65E-09	1.01E-09	6.64E-10	1.68E-09
5796	563477.4	4235293	1.04E-08	9.32E-09	1.98E-08	1.77E-09	1.49E-09	3.27E-09	8.44E-09	6.84E-09	1.53E-08	1.38E-09	1.33E-09	2.71E-09	1.03E-09	6.77E-10	1.71E-09
5797	563467.7	4235297	1.07E-08	9.51E-09	2.02E-08	1.81E-09	1.53E-09	3.33E-09	8.61E-09	6.98E-09	1.56E-08	1.41E-09	1.35E-09	2.76E-09	1.05E-09	6.91E-10	1.74E-09
5798	563458	4235302	1.09E-08	9.71E-09	2.06E-08	1.85E-09	1.56E-09	3.40E-09	8.79E-09	7.12E-09	1.59E-08	1.44E-09	1.38E-09	2.82E-09	1.08E-09	7.06E-10	1.78E-09
5799	563448.3	4235306	1.11E-08	9.91E-09	2.10E-08	1.88E-09	1.59E-09	3.47E-09	8.97E-09	7.27E-09	1.62E-08	1.47E-09	1.41E-09	2.88E-09	1.10E-09	7.20E-10	1.82E-09
5800	563438.5	4235310	1.13E-08	1.01E-08	2.14E-08	1.92E-09	1.62E-09	3.54E-09	9.14E-09	7.41E-09	1.66E-08	1.50E-09	1.44E-09	2.93E-09	1.12E-09	7.34E-10	1.85E-09
5801	563428.8	4235314	1.15E-08	1.03E-08	2.18E-08	1.96E-09	1.65E-09	3.61E-09	9.32E-09	7.55E-09	1.69E-08	1.53E-09	1.46E-09	2.99E-09	1.14E-09	7.48E-10	1.89E-09
5802	563419.1	4235318	1.18E-08	1.05E-08	2.23E-08	2.00E-09	1.68E-09	3.68E-09	9.51E-09	7.71E-09	1.72E-08	1.56E-09	1.49E-09	3.05E-09	1.16E-09	7.63E-10	1.93E-09
5803	563409.4	4235323	1.20E-08	1.07E-08	2.28E-08	2.04E-09	1.72E-09	3.76E-09	9.72E-09	7.87E-09	1.76E-08	1.59E-09	1.53E-09	3.12E-09	1.19E-09	7.80E-10	1.97E-09
5804	563399.7	4235327	1.23E-08	1.10E-08	2.33E-08	2.09E-09	1.76E-09	3.85E-09	9.93E-09	8.05E-09	1.80E-08	1.63E-09	1.56E-09	3.19E-09	1.21E-09	7.97E-10	2.01E-09
5805	563389.9	4235331	1.25E-08	1.12E-08	2.37E-08	2.13E-09	1.79E-09	3.92E-09	1.01E-08	8.20E-09	1.83E-08	1.66E-09	1.59E-09	3.25E-09	1.24E-09	8.12E-10	2.05E-09
5806	563380.2	4235335	1.28E-08	1.14E-08	2.42E-08	2.17E-09	1.83E-09	3.99E-09	1.03E-08	8.35E-09	1.87E-08	1.69E-09	1.62E-09	3.31E-09	1.26E-09	8.27E-10	2.09E-09
5807	563370.5	4235339	1.30E-08	1.16E-08	2.46E-08	2.21E-09	1.86E-09	4.07E-09	1.05E-08	8.52E-09	1.90E-08	1.72E-09	1.65E-09	3.37E-09	1.29E-09	8.44E-10	2.13E-09
5808	563360.8	4235344	1.33E-08	1.19E-08	2.51E-08	2.25E-09	1.90E-09	4.15E-09	1.07E-08	8.69E-09	1.94E-08	1.76E-09	1.69E-09	3.44E-09	1.31E-09	8.61E-10	2.17E-09
5809	563351.1	4235348	1.35E-08	1.21E-08	2.56E-08	2.30E-09	1.94E-09	4.23E-09	1.09E-08	8.85E-09	1.98E-08	1.79E-09	1.72E-09	3.51E-09	1.34E-09	8.77E-10	2.21E-09
5810	563341.4	4235352	1.38E-08	1.23E-08	2.61E-08	2.34E-09	1.97E-09	4.31E-09	1.11E-08	9.01E-09	2.01E-08	1.82E-09	1.75E-09	3.57E-09	1.36E-09	8.93E-10	2.25E-09
5811	563331.6	4235356	1.40E-08	1.25E-08	2.65E-08	2.38E-09	2.00E-09	4.38E-09	1.13E-08	9.17E-09	2.05E-08	1.85E-09	1.78E-09	3.63E-09	1.38E-09	9.08E-10	2.29E-09
5812	563321.9	4235360	1.43E-08	1.27E-08	2.70E-08	2.42E-09	2.04E-09	4.46E-09	1.15E-08	9.33E-09	2.08E-08	1.88E-09	1.81E-09	3.69E-09	1.41E-09	9.24E-10	2.33E-09
5813	563312.2	4235365	1.45E-08	1.29E-08	2.74E-08	2.46E-09	2.07E-09	4.53E-09	1.17E-08	9.49E-09	2.12E-08	1.92E-09	1.84E-09	3.76E-09	1.43E-09	9.40E-10	2.37E-09
5814	563302.5	4235369	1.47E-08	1.32E-08	2.79E-08	2.50E-09	2.11E-09	4.61E-09	1.19E-08	9.65E-09	2.16E-08	1.95E-09	1.87E-09	3.82E-09	1.46E-09	9.56E-10	2.41E-09
5815	563287.6	4235372	1.53E-08	1.36E-08	2.89E-08	2.59E-09	2.18E-09	4.77E-09	1.23E-08	9.99E-09	2.23E-08	2.02E-09	1.94E-09	3.95E-09	1.51E-09	9.89E-10	2.50E-09
5816	563277.2	4235370	1.58E-08	1.41E-08	2.99E-08	2.68E-09	2.26E-09	4.94E-09	1.27E-08	1.03E-08	2.31E-08	2.09E-09	2.00E-09	4.09E-09	1.56E-09	1.02E-09	2.58E-09
5817	563266.8	4235368	1.63E-08	1.46E-08	3.09E-08	2.77E-09	2.33E-09	5.10E-09	1.32E-08	1.07E-08	2.39E-08	2.16E-09	2.07E-09	4.23E-09	1.61E-09	1.06E-09	2.67E-09
5818	563256.4	4235366	1.68E-08	1.50E-08	3.19E-08	2.86E-09	2.41E-09	5.27E-09	1.36E-08	1.10E-08	2.46E-08	2.23E-09	2.14E-09	4.37E-09	1.66E-09	1.09E-09	2.76E-09
5819	563246	4235364	1.74E-08	1.55E-08	3.29E-08	2.95E-09	2.48E-09	5.43E-09	1.40E-08	1.14E-08	2.54E-08	2.30E-09	2.20E-09	4.50E-09	1.72E-09	1.13E-09	2.84E-09
5820	563235.6	4235362	1.79E-08	1.60E-08	3.39E-08	3.04E-09	2.56E-09	5.60E-09	1.45E-08	1.17E-08	2.62E-08	2.37E-09	2.27E-09	4.64E-09	1.77E-09	1.16E-09	2.93E-09

5821	563225.2	4235360	1.84E-08	1.64E-08	3.49E-08	3.13E-09	2.64E-09	5.76E-09	1.49E-08	1.21E-08	2.70E-08	2.44E-09	2.34E-09	4.78E-09	1.82E-09	1.19E-09	3.02E-09
5822	563214.8	4235358	1.89E-08	1.69E-08	3.58E-08	3.21E-09	2.71E-09	5.92E-09	1.53E-08	1.24E-08	2.77E-08	2.51E-09	2.40E-09	4.91E-09	1.87E-09	1.23E-09	3.10E-09
5823	563204.4	4235356	1.94E-08	1.73E-08	3.67E-08	3.29E-09	2.77E-09	6.06E-09	1.57E-08	1.27E-08	2.83E-08	2.56E-09	2.46E-09	5.02E-09	1.91E-09	1.26E-09	3.17E-09
5824	563194	4235354	1.98E-08	1.76E-08	3.74E-08	3.36E-09	2.83E-09	6.19E-09	1.60E-08	1.29E-08	2.89E-08	2.62E-09	2.51E-09	5.13E-09	1.95E-09	1.28E-09	3.24E-09
5825	563183.6	4235352	2.01E-08	1.80E-08	3.81E-08	3.42E-09	2.88E-09	6.30E-09	1.63E-08	1.32E-08	2.94E-08	2.66E-09	2.55E-09	5.22E-09	1.99E-09	1.30E-09	3.29E-09
5826	563173.2	4235350	2.04E-08	1.82E-08	3.87E-08	3.47E-09	2.92E-09	6.39E-09	1.65E-08	1.34E-08	2.99E-08	2.70E-09	2.59E-09	5.30E-09	2.02E-09	1.32E-09	3.34E-09
5827	563162.9	4235348	2.07E-08	1.85E-08	3.91E-08	3.51E-09	2.96E-09	6.47E-09	1.67E-08	1.35E-08	3.02E-08	2.74E-09	2.62E-09	5.36E-09	2.04E-09	1.34E-09	3.38E-09
5828	563152.5	4235346	2.09E-08	1.86E-08	3.95E-08	3.54E-09	2.98E-09	6.53E-09	1.69E-08	1.37E-08	3.05E-08	2.76E-09	2.65E-09	5.41E-09	2.06E-09	1.35E-09	3.41E-09
5829	563142.1	4235344	2.10E-08	1.87E-08	3.97E-08	3.56E-09	3.00E-09	6.56E-09	1.70E-08	1.37E-08	3.07E-08	2.78E-09	2.66E-09	5.44E-09	2.07E-09	1.36E-09	3.43E-09
5830	563131.7	4235342	2.10E-08	1.88E-08	3.98E-08	3.57E-09	3.01E-09	6.58E-09	1.70E-08	1.38E-08	3.08E-08	2.78E-09	2.67E-09	5.45E-09	2.08E-09	1.36E-09	3.44E-09
5831	563121.3	4235339	2.10E-08	1.88E-08	3.98E-08	3.57E-09	3.01E-09	6.58E-09	1.70E-08	1.38E-08	3.07E-08	2.78E-09	2.67E-09	5.45E-09	2.08E-09	1.36E-09	3.44E-09
5832	563110.9	4235337	2.09E-08	1.87E-08	3.96E-08	3.55E-09	2.99E-09	6.55E-09	1.69E-08	1.37E-08	3.06E-08	2.77E-09	2.66E-09	5.43E-09	2.07E-09	1.36E-09	3.42E-09
5833	563100.5	4235335	2.08E-08	1.85E-08	3.93E-08	3.52E-09	2.97E-09	6.50E-09	1.68E-08	1.36E-08	3.04E-08	2.75E-09	2.64E-09	5.38E-09	2.05E-09	1.35E-09	3.40E-09
5834	563090.1	4235333	2.05E-08	1.83E-08	3.89E-08	3.48E-09	2.94E-09	6.42E-09	1.66E-08	1.34E-08	3.00E-08	2.72E-09	2.61E-09	5.32E-09	2.03E-09	1.33E-09	3.36E-09
5835	563079.7	4235331	2.02E-08	1.80E-08	3.83E-08	3.43E-09	2.89E-09	6.33E-09	1.63E-08	1.32E-08	2.96E-08	2.68E-09	2.57E-09	5.24E-09	2.00E-09	1.31E-09	3.31E-09
5836	563069.3	4235329	1.99E-08	1.77E-08	3.76E-08	3.37E-09	2.84E-09	6.21E-09	1.60E-08	1.30E-08	2.90E-08	2.63E-09	2.52E-09	5.15E-09	1.96E-09	1.29E-09	3.25E-09
5837	563058.9	4235327	1.94E-08	1.73E-08	3.68E-08	3.30E-09	2.78E-09	6.08E-09	1.57E-08	1.27E-08	2.84E-08	2.57E-09	2.47E-09	5.03E-09	1.92E-09	1.26E-09	3.18E-09
5838	563525.2	4235271	9.38E-09	8.37E-09	1.77E-08	1.59E-09	1.34E-09	2.93E-09	7.57E-09	6.14E-09	1.37E-08	1.24E-09	1.19E-09	2.43E-09	9.26E-10	6.08E-10	1.53E-09
5839	563542.4	4235307	8.61E-09	7.68E-09	1.63E-08	1.46E-09	1.23E-09	2.69E-09	6.96E-09	5.64E-09	1.26E-08	1.14E-09	1.09E-09	2.23E-09	8.51E-10	5.58E-10	1.41E-09
5840	563532.8	4235311	8.83E-09	7.88E-09	1.67E-08	1.50E-09	1.26E-09	2.76E-09	7.13E-09	5.78E-09	1.29E-08	1.17E-09	1.12E-09	2.29E-09	8.72E-10	5.72E-10	1.44E-09
5841	563523.1	4235315	9.04E-09	8.06E-09	1.71E-08	1.53E-09	1.29E-09	2.83E-09	7.30E-09	5.91E-09	1.32E-08	1.20E-09	1.15E-09	2.34E-09	8.93E-10	5.86E-10	1.48E-09
5842	563513.5	4235319	9.24E-09	8.24E-09	1.75E-08	1.57E-09	1.32E-09	2.89E-09	7.46E-09	6.05E-09	1.35E-08	1.22E-09	1.17E-09	2.39E-09	9.12E-10	5.99E-10	1.51E-09
5843	563503.9	4235323	9.39E-09	8.38E-09	1.78E-08	1.59E-09	1.34E-09	2.94E-09	7.58E-09	6.14E-09	1.37E-08	1.24E-09	1.19E-09	2.43E-09	9.27E-10	6.09E-10	1.54E-09
5844	563494.3	4235327	9.53E-09	8.50E-09	1.80E-08	1.62E-09	1.36E-09	2.98E-09	7.69E-09	6.23E-09	1.39E-08	1.26E-09	1.21E-09	2.47E-09	9.41E-10	6.17E-10	1.56E-09
5845	563484.7	4235332	9.66E-09	8.62E-09	1.83E-08	1.64E-09	1.38E-09	3.02E-09	7.80E-09	6.32E-09	1.41E-08	1.28E-09	1.23E-09	2.50E-09	9.54E-10	6.26E-10	1.58E-09
5846	563475	4235336	9.84E-09	8.78E-09	1.86E-08	1.67E-09	1.41E-09	3.08E-09	7.94E-09	6.44E-09	1.44E-08	1.30E-09	1.25E-09	2.55E-09	9.71E-10	6.38E-10	1.61E-09
5847	563465.4	4235340	1.00E-08	8.93E-09	1.89E-08	1.70E-09	1.43E-09	3.13E-09	8.08E-09	6.55E-09	1.46E-08	1.32E-09	1.27E-09	2.59E-09	9.88E-10	6.48E-10	1.64E-09
5848	563455.8	4235344	1.02E-08	9.07E-09	1.92E-08	1.72E-09	1.45E-09	3.18E-09	8.21E-09	6.65E-09	1.49E-08	1.34E-09	1.29E-09	2.63E-09	1.00E-09	6.59E-10	1.66E-09
5849	563446.2	4235348	1.03E-08	9.22E-09	1.95E-08	1.75E-09	1.48E-09	3.23E-09	8.34E-09	6.76E-09	1.51E-08	1.37E-09	1.31E-09	2.68E-09	1.02E-09	6.70E-10	1.69E-09
5850	563436.6	4235352	1.05E-08	9.37E-09	1.99E-08	1.78E-09	1.50E-09	3.28E-09	8.48E-09	6.87E-09	1.54E-08	1.39E-09	1.33E-09	2.72E-09	1.04E-09	6.81E-10	1.72E-09
5851	563426.9	4235357	1.07E-08	9.53E-09	2.02E-08	1.81E-09	1.53E-09	3.34E-09	8.63E-09	6.99E-09	1.56E-08	1.41E-09	1.36E-09	2.77E-09	1.05E-09	6.92E-10	1.75E-09
5852	563417.3	4235361	1.09E-08	9.69E-09	2.06E-08	1.84E-09	1.55E-09	3.40E-09	8.77E-09	7.11E-09	1.59E-08	1.44E-09	1.38E-09	2.82E-09	1.07E-09	7.04E-10	1.78E-09
5853	563407.7	4235365	1.11E-08	9.86E-09	2.09E-08	1.88E-09	1.58E-09	3.46E-09	8.93E-09	7.23E-09	1.62E-08	1.46E-09	1.40E-09	2.86E-09	1.09E-09	7.16E-10	1.81E-09
5854	563398.1	4235369	1.13E-08	1.00E-08	2.13E-08	1.91E-09	1.61E-09	3.52E-09	9.08E-09	7.36E-09	1.64E-08	1.49E-09	1.43E-09	2.92E-09	1.11E-09	7.29E-10	1.84E-09
5855	563388.5	4235373	1.15E-08	1.02E-08	2.17E-08	1.94E-09	1.64E-09	3.58E-09	9.25E-09	7.50E-09	1.67E-08	1.51E-09	1.45E-09	2.97E-09	1.13E-09	7.42E-10	1.87E-09
5856	563378.8	4235377	1.17E-08	1.04E-08	2.21E-08	1.98E-09	1.67E-09	3.65E-09	9.41E-09	7.63E-09	1.70E-08	1.54E-09	1.48E-09	3.02E-09	1.15E-09	7.56E-10	1.91E-09
5857	563369.2	4235382	1.19E-08	1.06E-08	2.24E-08	2.01E-09	1.70E-09	3.71E-09	9.58E-09	7.76E-09	1.73E-08	1.57E-09	1.51E-09	3.07E-09	1.17E-09	7.69E-10	1.94E-09
5858	563359.6	4235386	1.21E-08	1.08E-08	2.28E-08	2.04E-09	1.72E-09	3.77E-09	9.73E-09	7.89E-09	1.76E-08	1.59E-09	1.53E-09	3.12E-09	1.19E-09	7.81E-10	1.97E-09
5859	563350	4235390	1.22E-08	1.09E-08	2.31E-08	2.07E-09	1.75E-09	3.82E-09	9.87E-09	8.00E-09	1.79E-08	1.62E-09	1.55E-09	3.17E-09	1.21E-09	7.92E-10	2.00E-09
5860	563340.4	4235394	1.24E-08	1.11E-08	2.35E-08	2.11E-09	1.77E-09	3.88E-09	1.00E-08	8.12E-09	1.81E-08	1.64E-09	1.57E-09	3.22E-09	1.23E-09	8.04E-10	2.03E-09
5861	563330.7	4235398	1.26E-08	1.13E-08	2.39E-08	2.14E-09	1.80E-09	3.94E-09	1.02E-08	8.25E-09	1.84E-08	1.67E-09	1.60E-09	3.27E-09	1.25E-09	8.17E-10	2.06E-09
5862	563321.1	4235402	1.28E-08	1.15E-08	2.43E-08	2.18E-09	1.84E-09	4.02E-09	1.04E-08	8.40E-09	1.88E-08	1.70E-09	1.63E-09	3.33E-09	1.27E-09	8.32E-10	2.10E-09
5863	563311.5	4235407	1.31E-08	1.17E-08	2.47E-08	2.22E-09	1.87E-09	4.09E-09	1.05E-08	8.55E-09	1.91E-08	1.73E-09	1.66E-09	3.39E-09	1.29E-09	8.47E-10	2.14E-09
5864	563301.9	4235411	1.33E-08	1.18E-08	2.51E-08	2.25E-09	1.90E-09	4.15E-09	1.07E-08	8.69E-09	1.94E-08	1.76E-09	1.69E-09	3.44E-09	1.31E-09	8.61E-10	2.17E-09
5865	563291.9	4235412	1.36E-08	1.21E-08	2.57E-08	2.31E-09	1.95E-09	4.25E-09	1.10E-08	8.90E-09	1.99E-08	1.80E-09	1.73E-09	3.53E-09	1.34E-09	8.82E-10	2.23E-09
5866	563281.6	4235410	1.40E-08	1.25E-08	2.66E-08	2.38E-09	2.01E-09	4.39E-09	1.13E-08	9.19E-09	2.05E-08	1.86E-09	1.78E-09	3.64E-09	1.39E-09	9.10E-10	2.30E-09
5867	563271.3	4235408	1.45E-08	1.29E-08	2.74E-08	2.46E-09	2.07E-09	4.53E-09	1.17E-08	9.48E-09	2.12E-08	1.92E-09	1.84E-09	3.75E-09	1.43E-09	9.39E-10	2.37E-09
5868	563261.1	4235406	1.49E-08	1.33E-08	2.82E-08	2.53E-09	2.13E-09	4.67E-09	1.20E-08	9.76E-09	2.18E-08	1.97E-09	1.89E-09	3.87E-09	1.47E-09	9.67E-10	2.44E-09
5869	563250.8	4235404	1.54E-08	1.37E-08	2.90E-08	2.60E-09	2.20E-09	4.80E-09	1.24E-08	1.00E-08	2.24E-08	2.03E-09	1.95E-09	3.98E-09	1.52E-09	9.95E-10	2.51E-09
5870	563240.5	4235402	1.58E-08	1.41E-08	2.99E-08	2.68E-09	2.26E-09	4.93E-09	1.27E-08	1.03E-08	2.31E-08	2.09E-09	2.00E-09	4.09E-09	1.56E-09	1.02E-09	2.58E-09
5871	563230.2	4235400	1.62E-08	1.45E-08	3.07E-08	2.75E-09	2.32E-09	5.07E-09	1.31E-08	1.06E-08	2.37E-08	2.14E-09	2.06E-09	4.20E-09	1.60E-09	1.05E-09	2.65E-09
5872	563219.9	4235398	1.66E-08	1.48E-08	3.15E-08	2.82E-09	2.38E-09	5.20E-09	1.34E-08	1.09E-08	2.43E-08	2.20E-09	2.11E-09	4.31E-09	1.64E-09	1.08E-09	2.72E-09
5873	563209.6	4235396	1.70E-08	1.52E-08	3.22E-08	2.89E-09	2.43E-09	5.32E-09	1.37E-08	1.11E-08	2.49E-08	2.25E-09	2.16E-09	4.41E-09	1.68E-09	1.10E-09	2.78E-09
5874	563199.3	4235394	1.74E-08	1.55E-08	3.29E-08	2.95E-09	2.49E-09	5.43E-09	1.40E-08	1.14E-08	2.54E-08	2.30E-09	2.21E-09	4.50E-09	1.72E-09	1.13E-09	2.84E-09
5875	563189	4235392	1.77E-08	1.58E-08	3.35E-08	3.00E-09	2.53E-09	5.54E-09	1.43E-08	1.16E-08	2.59E-08	2.34E-09	2.25E-09	4.59E-09	1.75E-09	1.15E-09	2.90E-09
5876	563178.8	4235390	1.80E-08	1.60E-08	3.40E-08	3.05E-09	2.57E-09	5.62E-09	1.45E-08	1.18E-08	2.63E-08	2.38E-09	2.28E-09	4.66E-09	1.78E-09	1.17E-09	2.94E-09
5877	563168.5	4235388	1.82E-08	1.63E-08	3.45E-08	3.09E-09	2.61E-09	5.70E-09	1.47E-08	1.19E-08	2.66E-08	2.41E-09	2.31E-09	4.72E-09	1.80E-09	1.18E-09	2.98E-09
5878	563158.2	4235386	1.84E-08	1.64E-08	3.49E-08	3.13E-09	2.63E-09	5.76E-09	1.49E-08	1.21E-08	2.69E-08	2.44E-09	2.34E-09	4.77E-09	1.82E-09	1.19E-09	3.01E-09
5879	563147.9	4235384	1.86E-08	1.66E-08	3.51E-08	3.15E-09	2.66E-09	5.81E-09	1.50E-08	1.21E-08	2.71E-08	2.46E-09	2.36E-09	4.81E-09	1.83E-09	1.20E-09	3.04E-09
5880	563137.6	4235382	1.87E-08	1.66E-08	3.53E-08	3.17E-09	2.67E-09	5.84E-09	1.51E-08	1.22E-08	2.73E-08	2.47E-09	2.37E-09	4.84E-09	1.84E-09	1.21E-09	3.05E-09
5881	563127.3	4235380	1.87E-08	1.67E-08	3.54E-08	3.17E-09	2.68E-09	5.85E-09	1.51E-08	1.22E-08	2.73E-08	2.47E-09	2.37E-09	4.85E-09	1.85E-09	1.21E-09	3.06E-09
5882	563117	4235378	1.87E-08	1.67E-08	3.54E-08	3.17E-09	2.67E-09	5.84E-09	1.51E-08	1.22E-08	2.73E-08	2.47E-09	2.37E-09	4.84E-09	1.85E-09	1.21E-09	3.06E-09
5883	563106.7	4235376	1.86E-08	1.66E-08	3.52E-08	3.16E-09	2.66E-09	5.82E-09	1.50E-08	1.22E-08	2.72E-08	2.46E-09	2.36E-09	4.82E-09	1.84E-09	1.21E-09	3.05E-09
5884	563096.4	4235374	1.85E-08	1.65E-08	3.50E-08	3.14E-09	2.64E-09	5.78E-09	1.49E-08	1.21E-08	2.70E-08	2.45E-09	2.35E-09	4.79E-09	1.83E-09	1.20E-09	3.02E-09
5885	563086.2	4235372	1.83E-08	1.63E-08	3.46E-08	3.11E-09	2.62E-09	5.72E-09	1.48E-08	1.20E-08	2.68E-08	2.42E-09	2.32E-09	4.74E-09	1.81E-09	1.19E-09	2.99E-09
5886	563075.9	4235370	1.81E-08	1.61E-08	3.42E-08	3.07E-09	2.58E-09	5.65E-09	1.46E-08	1.18E-08	2.64E-08	2.39E-09	2.29E-09	4.68E-09	1.78E-09	1.17E-09	2.96E-09
5887	563065.6	4235368	1.78E-08	1.59E-08	3.36E-08	3.02E-09	2.54E-09	5.56E-09	1.44E-08	1.16E-08	2.60E-08	2.35E-09	2.26E-09	4.61E-09	1.76E-09	1.15E-09	2.91E-09
5888	563055.3	4235366	1.74E-08	1.56E-08	3.30E-08	2.96E-09	2.49E-09	5.45E-09	1.41E-08	1.14E-08	2.55E-08	2.31E-09	2.21E-09	4.52E-09	1.72E-09	1.13E-09	2.85E-09
5889	563045	4235364	1.71E-08	1.52E-08	3.23E-08	2.89E-09	2.44E-09	5.33E-09	1.38E-08	1.12E-08	2.49E-08	2.26E-09	2.16E-09	4.42E-09	1.68E-09	1.11E-09	2.79E-09
5890	563551.2	4235301	8.44E-09	7.53E-09	1.60E-08	1.43E-09	1.21E-09	2.64E-09	6.82E-09	5.52E-09	1.23E-08	1.12E-09	1.07E-09	2.19E-09	8.34E-10	5.47E-10	1.38E-09
5891	563568.4	4235337	7.80E-09	6.96E-09	1.48E-08	1.32E-09	1.12E-09	2.44E-09	6.30E-09	5.10E-09	1.14E-08	1.03E-09	9.90E-10	2.02E-09	7.70E-10	5.06E-10	1.28E-09
5892	563558.7	4235341	7.97E-09	7.11E-09	1.51E-08	1.35E-09	1.14E-09	2.49E-09	6.43E-09	5.21E-09	1.16E-08	1.05E-09	1.01E-09	2.06E-09	7.87E-10	5.16E-10	1.30E-09
5893	563549	4235345	8.13E-09	7.25E-09	1.54E-08	1.38E-09	1.16E-09	2.54E-09	6.56E-09	5.32E-09	1.19E-08	1.07E-09	1.03E-09	2.11E-09	8.03E-10	5.27E-10	1.33E-09
5894	563539.3	4235350	8.28E-09	7.39E-09	1.57E-08	1.41E-09	1.18E-09	2.59E-09	6.69E-09	5.42E-09	1.21E-08	1.10E-09	1.05E-09	2.15E-09	8.18E-10	5.37E-10	1.35E-09
5895	563529.5	4235354	8.43E-09	7.52E-09	1.59E-08	1.43E-09	1.21E-09	2.64E-09	6.81E-09	5.52E-09	1.23E-08	1.11E-09	1.07E-09	2.18E-09	8.32E-10	5.46E-10	1.38E-09
5896	563519.8	4235358	8.57E-09	7.65E-09	1.62E-08	1.45E-09	1.23E-09	2.68E-09	6.92E-09	5.61E-09	1.25E-08	1.13E-09	1.09E-09	2.22E-09	8.47E-10	5.56E-10	1.40E-09
5897	563510.1	4235362	8.71E-09	7.77E-09	1.65E-08	1.48E-09	1.25E-09	2.72E-09	7.03E-09	5.70E-09	1.27E-08	1.15E-09	1.11E-09	2.26E-09	8.60E-10	5.64E-10	1.42E-09
5898	563500.4	4235366	8.84E-09	7.89E-09	1.67E-08	1.50E-09	1.26E-09	2.77E-09	7.14E-09	5.79E-09	1.29E-08	1.17E-09	1.12E-09	2.29E-09	8.73E-10	5.73E-10	1.45E-09
5899	563490.7	4235371	8.97E-09	8.00E-09	1.70E-08	1.52E-09	1.28E-09	2.81E-09	7.25E-09	5.87E-09	1.31E-08	1.19E-09	1.14E-09	2.33E-09	8.86E-10	5.82E-10	1.47E-09
5900	563481	4235375	9.10E-09	8.11E-09	1.72E-08	1.54E-09	1.30E-09	2.84E-09	7.34E-09	5.95E-09	1.33E-08	1.20E-09	1.15E-09	2.36E-09	8.98E-10	5.90E-10	1.49E-09
5901	563471.3	4235379	9.20E-09	8.21E-09	1.74E-08	1.56E-09	1.32E-09	2.88E-09	7.43E-09	6.02E-09	1.35E-08	1.22E-09	1.17E-09	2.39E-09	9.09E-10	5.97E-10	1.51E-09
5902	563461.6	4235383	9.31E-09	8.30E-09	1.76E-08	1.58E-09	1.33E-09	2.91E-09	7.52E-09	6.09E-09	1.36E-08	1.23E-09	1.18E-09	2.41E-09	9.19E-10	6.03E-10	1.52E-09
5903	563451.9	4235387	9.41E-09	8.40E-09	1.78E-08	1.60E-09	1.35E-09	2.94E-09	7.60E-09	6.16E-09	1.38E-08	1.24E-09	1.19E-09	2.44E-09	9.30E-10	6.10E-10	1.54E-09
5904	563442.2	4235392	9.56E-09	8.53E-09	1.81E-08	1.62E-09	1.37E-09	2.99E-09	7.72E-09	6.26E-09	1.40E-08	1.26E-09	1.21E-09	2.48E-09	9.44E-10	6.19E-10	1.56E-09
5905	563432.4	4235396	9.69E-09	8.65E-09	1.83E-08	1.64E-09	1.39E-09	3.03E-09	7.83E-09	6.34E-09	1.42E-08	1.28E-09	1.23E-09	2.51E-09	9.57E-10	6.28E-10	1.59E-09
5906	563422.7	4235400	9.82E-09	8.76E-09	1.86E-08	1.67E-09	1.40E-09	3.07E-09	7.93E-09	6.42E-09	1.44E-08	1.30E-09	1.25E-09	2.54E-09	9.70E-10	6.36E-10	1.61E-09
5907	563413	4235404	9.95E-09	8.88E-09	1.88E-08	1.69E-09	1.42E-09	3.11E-09	8.03E-09	6.51E-09	1.45E-08	1.32E-09	1.26E-09	2.58E-09	9.83E-10	6.45E-10	1.63E-09
5908	563403.3	4235408	1.01E-08	9.00E-09	1.91E-08	1.71E-09	1.44E-09	3.15E-09	8.15E-09	6.60E-09	1.47E-08	1.33E-09	1.28E-09	2.61E-09	9.96E-10	6.54E-10	1.65E-09
5909	563393.6	4235413	1.02E-08	9.13E-09	1.94E-08	1.74E-09	1.46E-09	3.20E-09	8.26E-09	6.70E-09	1.50E-08	1.35E-09	1.30E-09	2.65E-09	1.01E-09	6.63E-10	1.67E-09
5910	563383.9	4235417	1.04E-08	9.27E-09	1.97E-08	1.76E-09	1.49E-09	3.25E-09	8.39E-09	6.80E-09	1.52E-08	1.37E-09	1.32E-09	2.69E-09	1.03E-09	6.74E-10	1.70E-09
5911	563374.2	4235421	1.06E-08	9.45E-09	2.00E-08	1.80E-09	1.51E-09	3.31E-09	8.55E-09	6.93E-09	1.55E-08	1.40E-09	1.34E-09	2.74E-09	1.05E-09	6.86E-10	1.73E-09

5912	563364.5	4235425	1.08E-08	9.63E-09	2.04E-08	1.83E-09	1.54E-09	3.38E-09	8.72E-09	7.06E-09	1.58E-08	1.43E-09	1.37E-09	2.80E-09	1.07E-09	7.00E-10	1.77E-09
5913	563354.8	4235429	1.10E-08	9.81E-09	2.08E-08	1.87E-09	1.57E-09	3.44E-09	8.88E-09	7.19E-09	1.61E-08	1.45E-09	1.39E-09	2.85E-09	1.09E-09	7.12E-10	1.80E-09
5914	563345.1	4235434	1.12E-08	9.98E-09	2.12E-08	1.90E-09	1.60E-09	3.50E-09	9.03E-09	7.32E-09	1.64E-08	1.48E-09	1.42E-09	2.90E-09	1.10E-09	7.25E-10	1.83E-09
5915	563335.3	4235438	1.14E-08	1.01E-08	2.15E-08	1.93E-09	1.63E-09	3.56E-09	9.18E-09	7.44E-09	1.66E-08	1.50E-09	1.44E-09	2.95E-09	1.12E-09	7.37E-10	1.86E-09
5916	563325.6	4235442	1.16E-08	1.03E-08	2.19E-08	1.96E-09	1.65E-09	3.62E-09	9.34E-09	7.57E-09	1.69E-08	1.53E-09	1.47E-09	3.00E-09	1.14E-09	7.50E-10	1.89E-09
5917	563315.9	4235446	1.18E-08	1.05E-08	2.23E-08	2.00E-09	1.68E-09	3.68E-09	9.50E-09	7.70E-09	1.72E-08	1.56E-09	1.49E-09	3.05E-09	1.16E-09	7.62E-10	1.92E-09
5918	563306.2	4235450	1.19E-08	1.07E-08	2.26E-08	2.03E-09	1.71E-09	3.74E-09	9.65E-09	7.82E-09	1.75E-08	1.58E-09	1.52E-09	3.10E-09	1.18E-09	7.74E-10	1.95E-09
5919	563296.2	4235452	1.22E-08	1.09E-08	2.31E-08	2.07E-09	1.75E-09	3.82E-09	9.87E-09	8.00E-09	1.79E-08	1.62E-09	1.55E-09	3.17E-09	1.21E-09	7.92E-10	2.00E-09
5920	563285.8	4235450	1.26E-08	1.12E-08	2.38E-08	2.14E-09	1.80E-09	3.94E-09	1.02E-08	8.24E-09	1.84E-08	1.67E-09	1.60E-09	3.26E-09	1.24E-09	8.16E-10	2.06E-09
5921	563275.4	4235447	1.30E-08	1.16E-08	2.45E-08	2.20E-09	1.86E-09	4.06E-09	1.05E-08	8.49E-09	1.90E-08	1.72E-09	1.65E-09	3.36E-09	1.28E-09	8.41E-10	2.12E-09
5922	563265	4235445	1.33E-08	1.19E-08	2.53E-08	2.26E-09	1.91E-09	4.17E-09	1.08E-08	8.73E-09	1.95E-08	1.77E-09	1.69E-09	3.46E-09	1.32E-09	8.65E-10	2.18E-09
5923	563254.6	4235443	1.37E-08	1.22E-08	2.60E-08	2.33E-09	1.96E-09	4.29E-09	1.11E-08	8.98E-09	2.00E-08	1.81E-09	1.74E-09	3.55E-09	1.35E-09	8.89E-10	2.24E-09
5924	563244.3	4235441	1.41E-08	1.26E-08	2.66E-08	2.39E-09	2.01E-09	4.40E-09	1.14E-08	9.21E-09	2.06E-08	1.86E-09	1.79E-09	3.65E-09	1.39E-09	9.12E-10	2.30E-09
5925	563233.9	4235439	1.44E-08	1.29E-08	2.73E-08	2.45E-09	2.06E-09	4.51E-09	1.16E-08	9.44E-09	2.11E-08	1.91E-09	1.83E-09	3.74E-09	1.42E-09	9.35E-10	2.36E-09
5926	563223.5	4235437	1.48E-08	1.32E-08	2.79E-08	2.50E-09	2.11E-09	4.62E-09	1.19E-08	9.66E-09	2.16E-08	1.95E-09	1.87E-09	3.82E-09	1.46E-09	9.57E-10	2.41E-09
5927	563213.1	4235435	1.51E-08	1.34E-08	2.85E-08	2.56E-09	2.16E-09	4.71E-09	1.22E-08	9.87E-09	2.20E-08	1.99E-09	1.91E-09	3.91E-09	1.49E-09	9.77E-10	2.47E-09
5928	563202.7	4235433	1.54E-08	1.37E-08	2.91E-08	2.61E-09	2.20E-09	4.81E-09	1.24E-08	1.01E-08	2.25E-08	2.04E-09	1.95E-09	3.99E-09	1.52E-09	9.97E-10	2.52E-09
5929	563192.3	4235431	1.57E-08	1.40E-08	2.97E-08	2.66E-09	2.24E-09	4.90E-09	1.27E-08	1.03E-08	2.29E-08	2.07E-09	1.99E-09	4.06E-09	1.55E-09	1.02E-09	2.57E-09
5930	563181.9	4235429	1.60E-08	1.42E-08	3.02E-08	2.71E-09	2.28E-09	4.99E-09	1.29E-08	1.04E-08	2.33E-08	2.11E-09	2.03E-09	4.14E-09	1.58E-09	1.03E-09	2.61E-09
5931	563171.6	4235427	1.62E-08	1.45E-08	3.07E-08	2.75E-09	2.32E-09	5.07E-09	1.31E-08	1.06E-08	2.37E-08	2.14E-09	2.06E-09	4.20E-09	1.60E-09	1.05E-09	2.65E-09
5932	563161.2	4235425	1.64E-08	1.46E-08	3.10E-08	2.78E-09	2.35E-09	5.13E-09	1.32E-08	1.07E-08	2.40E-08	2.17E-09	2.08E-09	4.25E-09	1.62E-09	1.06E-09	2.68E-09
5933	563150.8	4235423	1.66E-08	1.48E-08	3.13E-08	2.81E-09	2.37E-09	5.18E-09	1.34E-08	1.08E-08	2.42E-08	2.19E-09	2.10E-09	4.29E-09	1.64E-09	1.07E-09	2.71E-09
5934	563140.4	4235421	1.67E-08	1.49E-08	3.15E-08	2.83E-09	2.38E-09	5.21E-09	1.35E-08	1.09E-08	2.44E-08	2.20E-09	2.12E-09	4.32E-09	1.65E-09	1.08E-09	2.73E-09
5935	563130	4235419	1.67E-08	1.49E-08	3.17E-08	2.84E-09	2.39E-09	5.23E-09	1.35E-08	1.10E-08	2.45E-08	2.21E-09	2.12E-09	4.34E-09	1.65E-09	1.08E-09	2.74E-09
5936	563119.6	4235417	1.68E-08	1.50E-08	3.17E-08	2.84E-09	2.40E-09	5.24E-09	1.35E-08	1.10E-08	2.45E-08	2.22E-09	2.13E-09	4.34E-09	1.66E-09	1.09E-09	2.74E-09
5937	563109.3	4235415	1.67E-08	1.49E-08	3.17E-08	2.84E-09	2.39E-09	5.23E-09	1.35E-08	1.10E-08	2.45E-08	2.21E-09	2.12E-09	4.34E-09	1.65E-09	1.08E-09	2.74E-09
5938	563098.9	4235413	1.67E-08	1.49E-08	3.15E-08	2.83E-09	2.38E-09	5.21E-09	1.35E-08	1.09E-08	2.44E-08	2.20E-09	2.11E-09	4.32E-09	1.65E-09	1.08E-09	2.73E-09
5939	563088.5	4235411	1.65E-08	1.48E-08	3.13E-08	2.81E-09	2.37E-09	5.17E-09	1.34E-08	1.08E-08	2.42E-08	2.19E-09	2.10E-09	4.29E-09	1.63E-09	1.07E-09	2.71E-09
5940	563078.1	4235409	1.64E-08	1.46E-08	3.10E-08	2.78E-09	2.34E-09	5.12E-09	1.32E-08	1.07E-08	2.39E-08	2.17E-09	2.08E-09	4.24E-09	1.62E-09	1.06E-09	2.68E-09
5941	563067.7	4235407	1.62E-08	1.44E-08	3.06E-08	2.74E-09	2.31E-09	5.05E-09	1.31E-08	1.06E-08	2.36E-08	2.14E-09	2.05E-09	4.19E-09	1.60E-09	1.05E-09	2.64E-09
5942	563057.3	4235405	1.59E-08	1.42E-08	3.01E-08	2.70E-09	2.28E-09	4.97E-09	1.28E-08	1.04E-08	2.33E-08	2.10E-09	2.02E-09	4.12E-09	1.57E-09	1.03E-09	2.60E-09
5943	563047	4235403	1.56E-08	1.39E-08	2.95E-08	2.65E-09	2.23E-09	4.88E-09	1.26E-08	1.02E-08	2.28E-08	2.06E-09	1.98E-09	4.05E-09	1.54E-09	1.01E-09	2.55E-09
5944	563036.6	4235401	1.53E-08	1.36E-08	2.89E-08	2.59E-09	2.19E-09	4.78E-09	1.23E-08	1.00E-08	2.23E-08	2.02E-09	1.94E-09	3.96E-09	1.51E-09	9.91E-10	2.50E-09
5945	563026.2	4235399	1.49E-08	1.33E-08	2.82E-08	2.53E-09	2.13E-09	4.67E-09	1.21E-08	9.77E-09	2.18E-08	1.97E-09	1.89E-09	3.87E-09	1.47E-09	9.67E-10	2.44E-09
5946	563594.5	4235367	7.00E-09	6.25E-09	1.33E-08	1.19E-09	1.00E-09	2.19E-09	5.66E-09	4.58E-09	1.02E-08	9.26E-10	8.89E-10	1.82E-09	6.92E-10	4.54E-10	1.15E-09
5947	563584.9	4235371	7.14E-09	6.37E-09	1.35E-08	1.21E-09	1.02E-09	2.23E-09	5.77E-09	4.67E-09	1.04E-08	9.44E-10	9.06E-10	1.85E-09	7.05E-10	4.63E-10	1.17E-09
5948	563575.2	4235376	7.27E-09	6.49E-09	1.38E-08	1.23E-09	1.04E-09	2.27E-09	5.87E-09	4.76E-09	1.06E-08	9.61E-10	9.22E-10	1.88E-09	7.18E-10	4.71E-10	1.19E-09
5949	563565.6	4235380	7.39E-09	6.60E-09	1.40E-08	1.25E-09	1.06E-09	2.31E-09	5.97E-09	4.84E-09	1.08E-08	9.78E-10	9.38E-10	1.92E-09	7.30E-10	4.79E-10	1.21E-09
5950	563556	4235384	7.51E-09	6.70E-09	1.42E-08	1.27E-09	1.07E-09	2.35E-09	6.07E-09	4.92E-09	1.10E-08	9.94E-10	9.53E-10	1.95E-09	7.42E-10	4.87E-10	1.23E-09
5951	563546.3	4235388	7.63E-09	6.81E-09	1.44E-08	1.29E-09	1.09E-09	2.39E-09	6.16E-09	4.99E-09	1.12E-08	1.01E-09	9.68E-10	1.98E-09	7.54E-10	4.94E-10	1.25E-09
5952	563536.7	4235392	7.75E-09	6.92E-09	1.47E-08	1.32E-09	1.11E-09	2.42E-09	6.26E-09	5.07E-09	1.13E-08	1.03E-09	9.84E-10	2.01E-09	7.66E-10	5.03E-10	1.27E-09
5953	563527.1	4235396	7.88E-09	7.03E-09	1.49E-08	1.34E-09	1.13E-09	2.46E-09	6.36E-09	5.16E-09	1.15E-08	1.04E-09	1.00E-09	2.04E-09	7.78E-10	5.11E-10	1.29E-09
5954	563517.5	4235401	8.00E-09	7.14E-09	1.51E-08	1.36E-09	1.14E-09	2.50E-09	6.46E-09	5.24E-09	1.17E-08	1.06E-09	1.02E-09	2.07E-09	7.90E-10	5.19E-10	1.31E-09
5955	563507.8	4235405	8.11E-09	7.23E-09	1.53E-08	1.38E-09	1.16E-09	2.54E-09	6.55E-09	5.31E-09	1.19E-08	1.07E-09	1.03E-09	2.10E-09	8.01E-10	5.25E-10	1.33E-09
5956	563498.2	4235409	8.21E-09	7.33E-09	1.55E-08	1.39E-09	1.17E-09	2.57E-09	6.63E-09	5.37E-09	1.20E-08	1.09E-09	1.04E-09	2.13E-09	8.11E-10	5.32E-10	1.34E-09
5957	563488.6	4235413	8.30E-09	7.41E-09	1.57E-08	1.41E-09	1.19E-09	2.60E-09	6.70E-09	5.43E-09	1.21E-08	1.10E-09	1.05E-09	2.15E-09	8.20E-10	5.38E-10	1.36E-09
5958	563479	4235417	8.39E-09	7.48E-09	1.59E-08	1.42E-09	1.20E-09	2.62E-09	6.77E-09	5.49E-09	1.23E-08	1.11E-09	1.06E-09	2.17E-09	8.28E-10	5.44E-10	1.37E-09
5959	563469.3	4235421	8.47E-09	7.56E-09	1.60E-08	1.44E-09	1.21E-09	2.65E-09	6.84E-09	5.54E-09	1.24E-08	1.12E-09	1.07E-09	2.19E-09	8.36E-10	5.49E-10	1.39E-09
5960	563459.7	4235426	8.55E-09	7.63E-09	1.62E-08	1.45E-09	1.22E-09	2.67E-09	6.90E-09	5.59E-09	1.25E-08	1.13E-09	1.08E-09	2.21E-09	8.44E-10	5.54E-10	1.40E-09
5961	563450.1	4235430	8.63E-09	7.69E-09	1.63E-08	1.46E-09	1.23E-09	2.70E-09	6.96E-09	5.64E-09	1.26E-08	1.14E-09	1.09E-09	2.24E-09	8.52E-10	5.59E-10	1.41E-09
5962	563440.4	4235434	8.72E-09	7.78E-09	1.65E-08	1.48E-09	1.25E-09	2.73E-09	7.04E-09	5.71E-09	1.27E-08	1.15E-09	1.11E-09	2.26E-09	8.61E-10	5.65E-10	1.43E-09
5963	563430.8	4235438	8.83E-09	7.87E-09	1.67E-08	1.50E-09	1.26E-09	2.76E-09	7.13E-09	5.78E-09	1.29E-08	1.17E-09	1.12E-09	2.29E-09	8.72E-10	5.72E-10	1.44E-09
5964	563421.2	4235442	8.96E-09	7.99E-09	1.69E-08	1.52E-09	1.28E-09	2.80E-09	7.23E-09	5.86E-09	1.31E-08	1.18E-09	1.14E-09	2.32E-09	8.84E-10	5.80E-10	1.46E-09
5965	563411.6	4235446	9.10E-09	8.12E-09	1.72E-08	1.54E-09	1.30E-09	2.85E-09	7.35E-09	5.95E-09	1.33E-08	1.20E-09	1.15E-09	2.36E-09	8.99E-10	5.90E-10	1.49E-09
5966	563401.9	4235451	9.27E-09	8.27E-09	1.75E-08	1.57E-09	1.33E-09	2.90E-09	7.48E-09	6.07E-09	1.36E-08	1.23E-09	1.18E-09	2.40E-09	9.15E-10	6.01E-10	1.52E-09
5967	563392.3	4235455	9.45E-09	8.43E-09	1.79E-08	1.60E-09	1.35E-09	2.96E-09	7.63E-09	6.19E-09	1.38E-08	1.25E-09	1.20E-09	2.45E-09	9.34E-10	6.13E-10	1.55E-09
5968	563382.7	4235459	9.62E-09	8.58E-09	1.82E-08	1.63E-09	1.38E-09	3.01E-09	7.77E-09	6.30E-09	1.41E-08	1.27E-09	1.22E-09	2.49E-09	9.50E-10	6.24E-10	1.57E-09
5969	563373.1	4235463	9.78E-09	8.72E-09	1.85E-08	1.66E-09	1.40E-09	3.06E-09	7.89E-09	6.40E-09	1.43E-08	1.29E-09	1.24E-09	2.53E-09	9.66E-10	6.34E-10	1.60E-09
5970	563363.4	4235467	9.92E-09	8.85E-09	1.88E-08	1.68E-09	1.42E-09	3.10E-09	8.01E-09	6.49E-09	1.45E-08	1.31E-09	1.26E-09	2.57E-09	9.79E-10	6.43E-10	1.62E-09
5971	563353.8	4235471	1.01E-08	8.99E-09	1.91E-08	1.71E-09	1.44E-09	3.15E-09	8.13E-09	6.59E-09	1.47E-08	1.33E-09	1.28E-09	2.61E-09	9.95E-10	6.53E-10	1.65E-09
5972	563344.2	4235476	1.02E-08	9.13E-09	1.94E-08	1.74E-09	1.46E-09	3.20E-09	8.27E-09	6.70E-09	1.50E-08	1.35E-09	1.30E-09	2.65E-09	1.01E-09	6.64E-10	1.67E-09
5973	563334.5	4235480	1.04E-08	9.28E-09	1.97E-08	1.77E-09	1.49E-09	3.25E-09	8.40E-09	6.81E-09	1.52E-08	1.38E-09	1.32E-09	2.70E-09	1.03E-09	6.75E-10	1.70E-09
5974	563324.9	4235484	1.06E-08	9.43E-09	2.00E-08	1.79E-09	1.51E-09	3.31E-09	8.54E-09	6.92E-09	1.55E-08	1.40E-09	1.34E-09	2.74E-09	1.04E-09	6.85E-10	1.73E-09
5975	563315.3	4235488	1.07E-08	9.58E-09	2.03E-08	1.82E-09	1.54E-09	3.36E-09	8.67E-09	7.02E-09	1.57E-08	1.42E-09	1.36E-09	2.78E-09	1.06E-09	6.96E-10	1.76E-09
5976	563300.5	4235491	1.10E-08	9.86E-09	2.09E-08	1.87E-09	1.58E-09	3.45E-09	8.92E-09	7.23E-09	1.62E-08	1.46E-09	1.40E-09	2.86E-09	1.09E-09	7.16E-10	1.81E-09
5977	563290.2	4235489	1.14E-08	1.01E-08	2.15E-08	1.93E-09	1.63E-09	3.55E-09	9.18E-09	7.44E-09	1.66E-08	1.50E-09	1.44E-09	2.95E-09	1.12E-09	7.37E-10	1.86E-09
5978	563279.9	4235487	1.17E-08	1.04E-08	2.21E-08	1.98E-09	1.67E-09	3.65E-09	9.43E-09	7.65E-09	1.71E-08	1.55E-09	1.48E-09	3.03E-09	1.15E-09	7.57E-10	1.91E-09
5979	563269.6	4235485	1.20E-08	1.07E-08	2.27E-08	2.04E-09	1.72E-09	3.75E-09	9.69E-09	7.85E-09	1.75E-08	1.59E-09	1.52E-09	3.11E-09	1.19E-09	7.78E-10	1.96E-09
5980	563259.3	4235483	1.23E-08	1.10E-08	2.33E-08	2.09E-09	1.76E-09	3.85E-09	9.94E-09	8.06E-09	1.80E-08	1.63E-09	1.56E-09	3.19E-09	1.22E-09	7.98E-10	2.01E-09
5981	563249	4235481	1.26E-08	1.13E-08	2.39E-08	2.14E-09	1.81E-09	3.95E-09	1.02E-08	8.26E-09	1.85E-08	1.67E-09	1.60E-09	3.27E-09	1.25E-09	8.18E-10	2.06E-09
5982	563238.7	4235479	1.29E-08	1.15E-08	2.44E-08	2.19E-09	1.85E-09	4.04E-09	1.04E-08	8.46E-09	1.89E-08	1.71E-09	1.64E-09	3.35E-09	1.28E-09	8.37E-10	2.11E-09
5983	563228.4	4235477	1.32E-08	1.18E-08	2.50E-08	2.24E-09	1.89E-09	4.13E-09	1.07E-08	8.64E-09	1.93E-08	1.75E-09	1.68E-09	3.42E-09	1.30E-09	8.56E-10	2.16E-09
5984	563218.2	4235475	1.35E-08	1.20E-08	2.55E-08	2.29E-09	1.93E-09	4.22E-09	1.09E-08	8.82E-09	1.97E-08	1.78E-09	1.71E-09	3.49E-09	1.33E-09	8.74E-10	2.21E-09
5985	563207.9	4235473	1.37E-08	1.23E-08	2.60E-08	2.33E-09	1.97E-09	4.30E-09	1.11E-08	8.99E-09	2.01E-08	1.82E-09	1.74E-09	3.56E-09	1.36E-09	8.91E-10	2.25E-09
5986	563197.6	4235471	1.40E-08	1.25E-08	2.65E-08	2.37E-09	2.00E-09	4.37E-09	1.13E-08	9.15E-09	2.04E-08	1.85E-09	1.77E-09	3.62E-09	1.38E-09	9.06E-10	2.29E-09
5987	563187.3	4235469	1.42E-08	1.27E-08	2.69E-08	2.41E-09	2.03E-09	4.44E-09	1.15E-08	9.30E-09	2.08E-08	1.88E-09	1.80E-09	3.68E-09	1.40E-09	9.21E-10	2.32E-09
5988	563177	4235467	1.44E-08	1.29E-08	2.73E-08	2.45E-09	2.06E-09	4.51E-09	1.16E-08	9.43E-09	2.11E-08	1.91E-09	1.83E-09	3.73E-09	1.42E-09	9.34E-10	2.36E-09
5989	563166.7	4235465	1.46E-08	1.30E-08	2.76E-08	2.48E-09	2.09E-09	4.56E-09	1.18E-08	9.55E-09	2.13E-08	1.93E-09	1.85E-09	3.78E-09	1.44E-09	9.46E-10	2.39E-09
5990	563156.4	4235463	1.48E-08	1.32E-08	2.79E-08	2.51E-09	2.11E-09	4.62E-09	1.19E-08	9.66E-09	2.16E-08	1.95E-09	1.87E-09	3.83E-09	1.46E-09	9.57E-10	2.42E-09
5991	563146.1	4235461	1.49E-08	1.33E-08	2.82E-08	2.53E-09	2.13E-09	4.66E-09	1.20E-08	9.76E-09	2.18E-08	1.97E-09	1.89E-09	3.86E-09	1.47E-09	9.67E-10	2.44E-09
5992	563135.8	4235459	1.50E-08	1.34E-08	2.84E-08	2.55E-09	2.15E-09	4.70E-09	1.21E-08	9.83E-09	2.20E-08	1.99E-09	1.91E-09	3.89E-09	1.48E-09	9.74E-10	2.46E-09
5993	563125.5	4235457	1.51E-08	1.35E-08	2.86E-08	2.56E-09	2.16E-09	4.72E-09	1.22E-08	9.88E-09	2.21E-08	2.00E-09	1.92E-09	3.91E-09	1.49E-09	9.79E-10	2.47E-09
5994	563115.2	4235455	1.51E-08	1.35E-08	2.86E-08	2.57E-09	2.16E-09	4.73E-09	1.22E-08	9.90E-09	2.21E-08	2.00E-09	1.92E-09	3.92E-09	1.49E-09	9.80E-10	2.47E-09
5995	563104.9	4235453	1.51E-08	1.35E-08	2.86E-08	2.56E-09	2.16E-09	4.72E-09	1.22E-08	9.88E-09	2.21E-08	2.00E-09	1.92E-09	3.91E-09	1.49E-09	9.79E-10	2.47E-09
5996	563094.6	4235451	1.50E-08	1.34E-08	2.85E-08	2.55E-09	2.15E-09	4.70E-09	1.21E-08	9.85E-09	2.20E-08	1.99E-09	1.91E-09	3.90E-09	1.49E-09	9.75E-10	2.46E-09
5997	563084.3	4235449	1.49E-08	1.33E-08	2.83E-08	2.54E-09	2.14E-09	4.67E-09	1.21E-08	9.78E-09	2.19E-08	1.98E-09	1.90E-09	3.87E-09	1.48E-09	9.69E-10	2.45E-09
5998	563074	4235447	1.48E-08	1.32E-08	2.80E-08	2.51E-09	2.12E-09	4.63E-09	1.20E-08	9.69E-09	2.17E-08	1.96E-09	1.88E-09	3.84E-09	1.46E-09	9.60E-10	2.42E-09
5999	563063.7	4235445	1.46E-08	1.31E-08	2.77E-08	2.48E-09	2.09E-09	4.58E-09	1.18E-08	9.58E-09	2.14E-08	1.94E-09	1.86E-09	3.79E-09	1.45E-09	9.49E-10	2.40E-09
6000	563053.4	4235443	1.44E-08	1.29E-08	2.73E-08	2.45E-09	2.06E-09	4.51E-09	1.17E-08	9.45E-09	2.11E-08	1.91E-09	1.83E-09	3.74E-09	1.43E-09	9.36E-10	2.36E-09
6001	563043.1	4235441	1.42E-08	1.27E-08	2.69E-08	2.41E-09	2.03E-09	4.44E-09	1.15E-08	9.29E-09	2.08E-08	1.88E-09	1.80E-09	3.68E-09	1.40E-09	9.20E-10	2.32E-09
6002	563032.8	4235439	1.39E-08	1.24E-08	2.64E-08	2.36E-09	1.99E-09	4.36E-09	1.12E-08	9.12E-09	2.04E-08	1.84E-09	1.77E-09	3.61E-09	1.38E-09	9.03E-10	2.28E-09

6003	563022.5	4235437	1.36E-08	1.22E-08	2.58E-08	2.31E-09	1.95E-09	4.26E-09	1.10E-08	8.92E-09	1.99E-08	1.80E-09	1.73E-09	3.53E-09	1.35E-09	8.84E-10	2.23E-09
6004	563012.2	4235435	1.33E-08	1.19E-08	2.52E-08	2.26E-09	1.90E-09	4.16E-09	1.08E-08	8.72E-09	1.95E-08	1.76E-09	1.69E-09	3.45E-09	1.32E-09	8.63E-10	2.18E-09
6005	563002	4235433	1.30E-08	1.16E-08	2.46E-08	2.20E-09	1.86E-09	4.06E-09	1.05E-08	8.50E-09	1.90E-08	1.72E-09	1.65E-09	3.36E-09	1.28E-09	8.42E-10	2.12E-09
6006	563620.5	4235398	6.32E-09	5.64E-09	1.20E-08	1.07E-09	9.04E-10	1.98E-09	5.11E-09	4.14E-09	9.24E-09	8.36E-10	8.02E-10	1.64E-09	6.24E-10	4.10E-10	1.03E-09
6007	563610.8	4235402	6.45E-09	5.75E-09	1.22E-08	1.09E-09	9.22E-10	2.02E-09	5.20E-09	4.22E-09	9.42E-09	8.52E-10	8.18E-10	1.67E-09	6.37E-10	4.18E-10	1.05E-09
6008	563601.1	4235406	6.56E-09	5.86E-09	1.24E-08	1.11E-09	9.39E-10	2.05E-09	5.30E-09	4.30E-09	9.59E-09	8.68E-10	8.33E-10	1.70E-09	6.48E-10	4.25E-10	1.07E-09
6009	563591.4	4235410	6.68E-09	5.96E-09	1.26E-08	1.13E-09	9.55E-10	2.09E-09	5.39E-09	4.37E-09	9.76E-09	8.83E-10	8.47E-10	1.73E-09	6.59E-10	4.33E-10	1.09E-09
6010	563581.7	4235414	6.79E-09	6.05E-09	1.28E-08	1.15E-09	9.70E-10	2.12E-09	5.48E-09	4.44E-09	9.92E-09	8.97E-10	8.61E-10	1.76E-09	6.70E-10	4.40E-10	1.11E-09
6011	563572	4235419	6.89E-09	6.14E-09	1.30E-08	1.17E-09	9.85E-10	2.15E-09	5.56E-09	4.51E-09	1.01E-08	9.11E-10	8.74E-10	1.78E-09	6.80E-10	4.46E-10	1.13E-09
6012	563562.3	4235423	6.99E-09	6.23E-09	1.32E-08	1.19E-09	9.99E-10	2.18E-09	5.64E-09	4.57E-09	1.02E-08	9.24E-10	8.86E-10	1.81E-09	6.90E-10	4.53E-10	1.14E-09
6013	563552.6	4235427	7.09E-09	6.32E-09	1.34E-08	1.20E-09	1.01E-09	2.22E-09	5.72E-09	4.64E-09	1.04E-08	9.37E-10	8.99E-10	1.84E-09	7.00E-10	4.59E-10	1.16E-09
6014	563542.9	4235431	7.19E-09	6.42E-09	1.36E-08	1.22E-09	1.03E-09	2.25E-09	5.81E-09	4.71E-09	1.05E-08	9.51E-10	9.13E-10	1.86E-09	7.10E-10	4.66E-10	1.18E-09
6015	563533.2	4235435	7.30E-09	6.51E-09	1.38E-08	1.24E-09	1.04E-09	2.28E-09	5.89E-09	4.78E-09	1.07E-08	9.65E-10	9.26E-10	1.89E-09	7.21E-10	4.73E-10	1.19E-09
6016	563523.5	4235440	7.38E-09	6.58E-09	1.40E-08	1.25E-09	1.06E-09	2.31E-09	5.96E-09	4.83E-09	1.08E-08	9.76E-10	9.37E-10	1.91E-09	7.29E-10	4.78E-10	1.21E-09
6017	563513.7	4235444	7.45E-09	6.65E-09	1.41E-08	1.26E-09	1.07E-09	2.33E-09	6.02E-09	4.88E-09	1.09E-08	9.86E-10	9.46E-10	1.93E-09	7.36E-10	4.83E-10	1.22E-09
6018	563504	4235448	7.52E-09	6.71E-09	1.42E-08	1.28E-09	1.08E-09	2.35E-09	6.07E-09	4.92E-09	1.10E-08	9.94E-10	9.54E-10	1.95E-09	7.43E-10	4.87E-10	1.23E-09
6019	563494.3	4235452	7.58E-09	6.76E-09	1.43E-08	1.29E-09	1.08E-09	2.37E-09	6.12E-09	4.96E-09	1.11E-08	1.00E-09	9.62E-10	1.96E-09	7.49E-10	4.91E-10	1.24E-09
6020	563484.6	4235456	7.64E-09	6.81E-09	1.45E-08	1.30E-09	1.09E-09	2.39E-09	6.17E-09	5.00E-09	1.12E-08	1.01E-09	9.69E-10	1.98E-09	7.54E-10	4.95E-10	1.25E-09
6021	563474.9	4235461	7.70E-09	6.87E-09	1.46E-08	1.31E-09	1.10E-09	2.41E-09	6.22E-09	5.04E-09	1.13E-08	1.02E-09	9.77E-10	2.00E-09	7.60E-10	4.99E-10	1.26E-09
6022	563465.2	4235465	7.77E-09	6.93E-09	1.47E-08	1.32E-09	1.11E-09	2.43E-09	6.28E-09	5.09E-09	1.14E-08	1.03E-09	9.86E-10	2.01E-09	7.68E-10	5.04E-10	1.27E-09
6023	563455.5	4235469	7.86E-09	7.01E-09	1.49E-08	1.33E-09	1.12E-09	2.46E-09	6.35E-09	5.15E-09	1.15E-08	1.04E-09	9.98E-10	2.04E-09	7.77E-10	5.10E-10	1.29E-09
6024	563445.8	4235473	7.98E-09	7.12E-09	1.51E-08	1.35E-09	1.14E-09	2.50E-09	6.45E-09	5.22E-09	1.17E-08	1.06E-09	1.01E-09	2.07E-09	7.89E-10	5.17E-10	1.31E-09
6025	563436.1	4235477	8.12E-09	7.24E-09	1.54E-08	1.38E-09	1.16E-09	2.54E-09	6.56E-09	5.31E-09	1.19E-08	1.07E-09	1.03E-09	2.10E-09	8.02E-10	5.26E-10	1.33E-09
6026	563426.4	4235482	8.26E-09	7.37E-09	1.56E-08	1.40E-09	1.18E-09	2.58E-09	6.67E-09	5.41E-09	1.21E-08	1.09E-09	1.05E-09	2.14E-09	8.16E-10	5.36E-10	1.35E-09
6027	563416.7	4235486	8.41E-09	7.51E-09	1.59E-08	1.43E-09	1.20E-09	2.63E-09	6.79E-09	5.51E-09	1.23E-08	1.11E-09	1.07E-09	2.18E-09	8.31E-10	5.45E-10	1.38E-09
6028	563407	4235490	8.56E-09	7.64E-09	1.62E-08	1.45E-09	1.22E-09	2.68E-09	6.91E-09	5.60E-09	1.25E-08	1.13E-09	1.09E-09	2.22E-09	8.46E-10	5.55E-10	1.40E-09
6029	563397.3	4235494	8.71E-09	7.77E-09	1.65E-08	1.48E-09	1.25E-09	2.72E-09	7.03E-09	5.70E-09	1.27E-08	1.15E-09	1.11E-09	2.26E-09	8.60E-10	5.64E-10	1.42E-09
6030	563387.6	4235498	8.83E-09	7.88E-09	1.67E-08	1.50E-09	1.26E-09	2.76E-09	7.13E-09	5.78E-09	1.29E-08	1.17E-09	1.12E-09	2.29E-09	8.72E-10	5.72E-10	1.44E-09
6031	563377.9	4235503	8.94E-09	7.98E-09	1.69E-08	1.52E-09	1.28E-09	2.80E-09	7.22E-09	5.85E-09	1.31E-08	1.18E-09	1.13E-09	2.32E-09	8.83E-10	5.80E-10	1.46E-09
6032	563368.2	4235507	9.06E-09	8.08E-09	1.71E-08	1.54E-09	1.30E-09	2.83E-09	7.31E-09	5.93E-09	1.32E-08	1.20E-09	1.15E-09	2.35E-09	8.95E-10	5.87E-10	1.48E-09
6033	563358.5	4235511	9.19E-09	8.20E-09	1.74E-08	1.56E-09	1.31E-09	2.87E-09	7.42E-09	6.02E-09	1.34E-08	1.22E-09	1.17E-09	2.38E-09	9.08E-10	5.96E-10	1.50E-09
6034	563348.8	4235515	9.34E-09	8.33E-09	1.77E-08	1.58E-09	1.34E-09	2.92E-09	7.54E-09	6.11E-09	1.37E-08	1.24E-09	1.19E-09	2.42E-09	9.22E-10	6.05E-10	1.53E-09
6035	563339.1	4235519	9.49E-09	8.46E-09	1.80E-08	1.61E-09	1.36E-09	2.97E-09	7.66E-09	6.21E-09	1.39E-08	1.25E-09	1.20E-09	2.46E-09	9.37E-10	6.15E-10	1.55E-09
6036	563329.4	4235524	9.63E-09	8.59E-09	1.82E-08	1.63E-09	1.38E-09	3.01E-09	7.78E-09	6.30E-09	1.41E-08	1.27E-09	1.22E-09	2.50E-09	9.51E-10	6.24E-10	1.58E-09
6037	563319.7	4235528	9.77E-09	8.72E-09	1.85E-08	1.66E-09	1.40E-09	3.06E-09	7.89E-09	6.40E-09	1.43E-08	1.29E-09	1.24E-09	2.53E-09	9.65E-10	6.33E-10	1.60E-09
6038	563304.8	4235531	1.00E-08	8.96E-09	1.90E-08	1.70E-09	1.44E-09	3.14E-09	8.11E-09	6.58E-09	1.47E-08	1.33E-09	1.27E-09	2.60E-09	9.92E-10	6.51E-10	1.64E-09
6039	563294.4	4235529	1.03E-08	9.21E-09	1.95E-08	1.75E-09	1.48E-09	3.23E-09	8.34E-09	6.76E-09	1.51E-08	1.37E-09	1.31E-09	2.68E-09	1.02E-09	6.69E-10	1.69E-09
6040	563284	4235527	1.06E-08	9.46E-09	2.01E-08	1.80E-09	1.52E-09	3.31E-09	8.56E-09	6.94E-09	1.55E-08	1.40E-09	1.35E-09	2.75E-09	1.05E-09	6.87E-10	1.73E-09
6041	563273.6	4235525	1.09E-08	9.70E-09	2.06E-08	1.85E-09	1.56E-09	3.40E-09	8.78E-09	7.12E-09	1.59E-08	1.44E-09	1.38E-09	2.82E-09	1.07E-09	7.05E-10	1.78E-09
6042	563263.3	4235523	1.12E-08	9.95E-09	2.11E-08	1.89E-09	1.59E-09	3.49E-09	9.00E-09	7.30E-09	1.63E-08	1.47E-09	1.41E-09	2.89E-09	1.10E-09	7.23E-10	1.82E-09
6043	563252.9	4235521	1.14E-08	1.02E-08	2.16E-08	1.94E-09	1.63E-09	3.57E-09	9.22E-09	7.47E-09	1.67E-08	1.51E-09	1.45E-09	2.96E-09	1.13E-09	7.40E-10	1.87E-09
6044	563242.5	4235519	1.17E-08	1.04E-08	2.21E-08	1.98E-09	1.67E-09	3.65E-09	9.43E-09	7.64E-09	1.71E-08	1.54E-09	1.48E-09	3.03E-09	1.15E-09	7.57E-10	1.91E-09
6045	563232.1	4235517	1.19E-08	1.06E-08	2.26E-08	2.02E-09	1.71E-09	3.73E-09	9.63E-09	7.81E-09	1.74E-08	1.58E-09	1.51E-09	3.09E-09	1.18E-09	7.73E-10	1.95E-09
6046	563221.8	4235515	1.22E-08	1.09E-08	2.30E-08	2.07E-09	1.74E-09	3.81E-09	9.83E-09	7.97E-09	1.78E-08	1.61E-09	1.54E-09	3.15E-09	1.20E-09	7.89E-10	1.99E-09
6047	563211.4	4235513	1.24E-08	1.11E-08	2.35E-08	2.10E-09	1.77E-09	3.88E-09	1.00E-08	8.12E-09	1.81E-08	1.64E-09	1.57E-09	3.21E-09	1.23E-09	8.04E-10	2.03E-09
6048	563201	4235511	1.26E-08	1.13E-08	2.39E-08	2.14E-09	1.80E-09	3.95E-09	1.02E-08	8.26E-09	1.84E-08	1.67E-09	1.60E-09	3.27E-09	1.25E-09	8.18E-10	2.06E-09
6049	563190.6	4235509	1.28E-08	1.14E-08	2.43E-08	2.18E-09	1.83E-09	4.01E-09	1.04E-08	8.39E-09	1.87E-08	1.70E-09	1.63E-09	3.32E-09	1.27E-09	8.31E-10	2.10E-09
6050	563180.2	4235507	1.30E-08	1.16E-08	2.46E-08	2.21E-09	1.86E-09	4.07E-09	1.05E-08	8.51E-09	1.90E-08	1.72E-09	1.65E-09	3.37E-09	1.28E-09	8.43E-10	2.13E-09
6051	563169.9	4235505	1.32E-08	1.17E-08	2.49E-08	2.23E-09	1.88E-09	4.12E-09	1.06E-08	8.61E-09	1.92E-08	1.74E-09	1.67E-09	3.41E-09	1.30E-09	8.53E-10	2.15E-09
6052	563159.5	4235503	1.33E-08	1.19E-08	2.52E-08	2.26E-09	1.90E-09	4.16E-09	1.07E-08	8.70E-09	1.94E-08	1.76E-09	1.69E-09	3.45E-09	1.31E-09	8.62E-10	2.18E-09
6053	563149.1	4235501	1.34E-08	1.20E-08	2.54E-08	2.28E-09	1.92E-09	4.20E-09	1.08E-08	8.78E-09	1.96E-08	1.77E-09	1.70E-09	3.48E-09	1.32E-09	8.69E-10	2.19E-09
6054	563138.7	4235499	1.35E-08	1.21E-08	2.56E-08	2.29E-09	1.93E-09	4.23E-09	1.09E-08	8.85E-09	1.98E-08	1.79E-09	1.72E-09	3.50E-09	1.33E-09	8.76E-10	2.21E-09
6055	563128.4	4235497	1.36E-08	1.21E-08	2.57E-08	2.31E-09	1.94E-09	4.25E-09	1.10E-08	8.90E-09	1.99E-08	1.80E-09	1.73E-09	3.52E-09	1.34E-09	8.81E-10	2.22E-09
6056	563118	4235495	1.36E-08	1.22E-08	2.58E-08	2.32E-09	1.95E-09	4.27E-09	1.10E-08	8.93E-09	1.99E-08	1.80E-09	1.73E-09	3.54E-09	1.35E-09	8.84E-10	2.23E-09
6057	563107.6	4235493	1.37E-08	1.22E-08	2.58E-08	2.32E-09	1.95E-09	4.27E-09	1.10E-08	8.94E-09	2.00E-08	1.81E-09	1.73E-09	3.54E-09	1.35E-09	8.85E-10	2.23E-09
6058	563097.2	4235491	1.36E-08	1.22E-08	2.58E-08	2.31E-09	1.95E-09	4.26E-09	1.10E-08	8.92E-09	1.99E-08	1.80E-09	1.73E-09	3.53E-09	1.35E-09	8.84E-10	2.23E-09
6059	563086.8	4235488	1.36E-08	1.21E-08	2.57E-08	2.31E-09	1.95E-09	4.25E-09	1.10E-08	8.90E-09	1.99E-08	1.80E-09	1.73E-09	3.52E-09	1.34E-09	8.81E-10	2.22E-09
6060	563076.5	4235486	1.35E-08	1.21E-08	2.56E-08	2.30E-09	1.94E-09	4.23E-09	1.09E-08	8.86E-09	1.98E-08	1.79E-09	1.72E-09	3.51E-09	1.34E-09	8.77E-10	2.21E-09
6061	563066.1	4235484	1.34E-08	1.20E-08	2.54E-08	2.28E-09	1.92E-09	4.20E-09	1.08E-08	8.79E-09	1.96E-08	1.78E-09	1.70E-09	3.48E-09	1.33E-09	8.71E-10	2.20E-09
6062	563055.7	4235482	1.33E-08	1.18E-08	2.51E-08	2.25E-09	1.90E-09	4.15E-09	1.07E-08	8.69E-09	1.94E-08	1.76E-09	1.69E-09	3.44E-09	1.31E-09	8.61E-10	2.17E-09
6063	563045.3	4235480	1.31E-08	1.17E-08	2.48E-08	2.22E-09	1.87E-09	4.10E-09	1.06E-08	8.57E-09	1.91E-08	1.73E-09	1.66E-09	3.39E-09	1.29E-09	8.49E-10	2.14E-09
6064	563035	4235478	1.29E-08	1.15E-08	2.44E-08	2.19E-09	1.84E-09	4.03E-09	1.04E-08	8.43E-09	1.88E-08	1.70E-09	1.64E-09	3.34E-09	1.27E-09	8.35E-10	2.11E-09
6065	563024.6	4235476	1.27E-08	1.13E-08	2.39E-08	2.15E-09	1.81E-09	3.96E-09	1.02E-08	8.28E-09	1.85E-08	1.67E-09	1.61E-09	3.28E-09	1.25E-09	8.20E-10	2.07E-09
6066	563014.2	4235474	1.24E-08	1.11E-08	2.35E-08	2.10E-09	1.77E-09	3.88E-09	1.00E-08	8.11E-09	1.81E-08	1.64E-09	1.57E-09	3.21E-09	1.22E-09	8.03E-10	2.03E-09
6067	563003.8	4235472	1.21E-08	1.08E-08	2.29E-08	2.06E-09	1.73E-09	3.79E-09	9.79E-09	7.93E-09	1.77E-08	1.60E-09	1.54E-09	3.14E-09	1.20E-09	7.85E-10	1.98E-09
6068	562993.5	4235470	1.18E-08	1.06E-08	2.24E-08	2.01E-09	1.69E-09	3.70E-09	9.55E-09	7.74E-09	1.73E-08	1.56E-09	1.50E-09	3.06E-09	1.17E-09	7.67E-10	1.93E-09
6069	562983.1	4235468	1.15E-08	1.03E-08	2.18E-08	1.96E-09	1.65E-09	3.60E-09	9.31E-09	7.54E-09	1.68E-08	1.52E-09	1.46E-09	2.99E-09	1.14E-09	7.47E-10	1.89E-09
6070	563629.4	4235392	6.22E-09	5.55E-09	1.18E-08	1.06E-09	8.89E-10	1.94E-09	5.02E-09	4.07E-09	9.09E-09	8.22E-10	7.89E-10	1.61E-09	6.14E-10	4.03E-10	1.02E-09
6071	563646.6	4235428	5.75E-09	5.13E-09	1.09E-08	9.75E-10	8.22E-10	1.80E-09	4.64E-09	3.76E-09	8.40E-09	7.60E-10	7.29E-10	1.49E-09	5.68E-10	3.72E-10	9.40E-10
6072	563636.9	4235432	5.86E-09	5.23E-09	1.11E-08	9.95E-10	8.39E-10	1.83E-09	4.73E-09	3.84E-09	8.57E-09	7.75E-10	7.44E-10	1.52E-09	5.79E-10	3.80E-10	9.59E-10
6073	563627.3	4235436	5.97E-09	5.32E-09	1.13E-08	1.01E-09	8.53E-10	1.87E-09	4.82E-09	3.90E-09	8.72E-09	7.89E-10	7.57E-10	1.55E-09	5.89E-10	3.87E-10	9.76E-10
6074	563617.7	4235441	6.05E-09	5.40E-09	1.15E-08	1.03E-09	8.66E-10	1.89E-09	4.89E-09	3.96E-09	8.85E-09	8.01E-10	7.68E-10	1.57E-09	5.98E-10	3.92E-10	9.90E-10
6075	563608	4235445	6.13E-09	5.47E-09	1.16E-08	1.04E-09	8.77E-10	1.92E-09	4.95E-09	4.01E-09	8.97E-09	8.11E-10	7.78E-10	1.59E-09	6.06E-10	3.98E-10	1.00E-09
6076	563598.4	4235449	6.22E-09	5.55E-09	1.18E-08	1.05E-09	8.89E-10	1.94E-09	5.02E-09	4.07E-09	9.09E-09	8.22E-10	7.89E-10	1.61E-09	6.14E-10	4.03E-10	1.02E-09
6077	563588.8	4235453	6.31E-09	5.63E-09	1.19E-08	1.07E-09	9.02E-10	1.97E-09	5.09E-09	4.13E-09	9.22E-09	8.34E-10	8.00E-10	1.63E-09	6.23E-10	4.09E-10	1.03E-09
6078	563579.2	4235457	6.39E-09	5.70E-09	1.21E-08	1.08E-09	9.14E-10	2.00E-09	5.16E-09	4.18E-09	9.35E-09	8.46E-10	8.11E-10	1.66E-09	6.31E-10	4.14E-10	1.05E-09
6079	563569.5	4235461	6.49E-09	5.79E-09	1.23E-08	1.10E-09	9.28E-10	2.03E-09	5.24E-09	4.25E-09	9.48E-09	8.58E-10	8.23E-10	1.68E-09	6.41E-10	4.21E-10	1.06E-09
6080	563559.9	4235466	6.59E-09	5.88E-09	1.25E-08	1.12E-09	9.42E-10	2.06E-09	5.32E-09	4.31E-09	9.63E-09	8.72E-10	8.36E-10	1.71E-09	6.51E-10	4.27E-10	1.08E-09
6081	563550.3	4235470	6.68E-09	5.95E-09	1.26E-08	1.13E-09	9.55E-10	2.09E-09	5.39E-09	4.37E-09	9.76E-09	8.83E-10	8.47E-10	1.73E-09	6.59E-10	4.33E-10	1.09E-09
6082	563540.6	4235474	6.73E-09	6.00E-09	1.27E-08	1.14E-09	9.62E-10	2.10E-09	5.43E-09	4.40E-09	9.84E-09	8.90E-10	8.54E-10	1.74E-09	6.64E-10	4.36E-10	1.10E-09
6083	563531	4235478	6.78E-09	6.05E-09	1.28E-08	1.15E-09	9.70E-10	2.12E-09	5.47E-09	4.44E-09	9.91E-09	8.97E-10	8.60E-10	1.76E-09	6.70E-10	4.39E-10	1.11E-09
6084	563521.4	4235482	6.83E-09	6.09E-09	1.29E-08	1.16E-09	9.76E-10	2.13E-09	5.51E-09	4.47E-09	9.98E-09	9.03E-10	8.66E-10	1.77E-09	6.74E-10	4.42E-10	1.12E-09
6085	563511.7	4235486	6.87E-09	6.13E-09	1.30E-08	1.17E-09	9.82E-10	2.15E-09	5.55E-09	4.50E-09	1.00E-08	9.09E-10	8.72E-10	1.78E-09	6.78E-10	4.45E-10	1.12E-09
6086	563502.1	4235491	6.92E-09	6.17E-09	1.31E-08	1.17E-09	9.89E-10	2.16E-09	5.58E-09	4.53E-09	1.01E-08	9.15E-10	8.78E-10	1.79E-09	6.83E-10	4.48E-10	1.13E-09
6087	563492.5	4235495	6.97E-09	6.22E-09	1.32E-08	1.18E-09	9.97E-10	2.18E-09	5.63E-09	4.56E-09	1.02E-08	9.22E-10	8.85E-10	1.81E-09	6.89E-10	4.52E-10	1.14E-09
6088	563482.8	4235499	7.04E-09	6.28E-09	1.33E-08	1.20E-09	1.01E-09	2.20E-09	5.69E-09	4.61E-09	1.03E-08	9.32E-10	8.94E-10	1.83E-09	6.96E-10	4.57E-10	1.15E-09
6089	563473.2	4235503	7.14E-09	6.37E-09	1.35E-08	1.21E-09	1.02E-09	2.23E-09	5.77E-09	4.68E-09	1.04E-08	9.45E-10	9.07E-10	1.85E-09	7.06E-10	4.63E-10	1.17E-09
6090	563463.6	4235507	7.25E-09	6.47E-09	1.37E-08	1.23E-09	1.04E-09	2.27E-09	5.86E-09	4.75E-09	1.06E-08	9.59E-10	9.20E-10	1.88E-09	7.16E-10	4.70E-10	1.19E-09
6091	563453.9	4235511	7.37E-09	6.57E-09	1.39E-08	1.25E-09	1.05E-09	2.30E-09	5.95E-09	4.82E-09	1.08E-08	9.74E-10	9.35E-10	1.91E-09	7.28E-10	4.78E-10	1.21E-09
6092	563444.3	4235516	7.48E-09	6.67E-09	1.42E-08	1.27E-09	1.07E-09	2.34E-09	6.04E-09	4.89E-09	1.09E-08	9.89E-10	9.49E-10	1.94E-09	7.39E-10	4.85E-10	1.22E-09
6093	563434.7	4235520	7.59E-09	6.77E-09	1.44E-08	1.29E-09	1.09E-09	2.37E-09	6.13E-09	4.97E-09	1.11E-08	1.00E-09	9.63E-10	1.97E-09	7.49E-10	4.92E-10	1.24E-09

6094	563425	4235524	7.70E-09	6.86E-09	1.46E-08	1.31E-09	1.10E-09	2.41E-09	6.21E-09	5.04E-09	1.12E-08	1.02E-09	9.76E-10	1.99E-09	7.60E-10	4.99E-10	1.26E-09
6095	563415.4	4235528	7.80E-09	6.96E-09	1.48E-08	1.32E-09	1.12E-09	2.44E-09	6.30E-09	5.10E-09	1.14E-08	1.03E-09	9.89E-10	2.02E-09	7.70E-10	5.05E-10	1.28E-09
6096	563405.8	4235532	7.90E-09	7.05E-09	1.49E-08	1.34E-09	1.13E-09	2.47E-09	6.38E-09	5.17E-09	1.15E-08	1.04E-09	1.00E-09	2.05E-09	7.80E-10	5.12E-10	1.29E-09
6097	563396.1	4235536	8.00E-09	7.13E-09	1.51E-08	1.36E-09	1.14E-09	2.50E-09	6.46E-09	5.23E-09	1.17E-08	1.06E-09	1.01E-09	2.07E-09	7.90E-10	5.18E-10	1.31E-09
6098	563386.5	4235541	8.12E-09	7.24E-09	1.54E-08	1.38E-09	1.16E-09	2.54E-09	6.56E-09	5.31E-09	1.19E-08	1.07E-09	1.03E-09	2.10E-09	8.02E-10	5.26E-10	1.33E-09
6099	563376.9	4235545	8.25E-09	7.36E-09	1.56E-08	1.40E-09	1.18E-09	2.58E-09	6.66E-09	5.40E-09	1.21E-08	1.09E-09	1.05E-09	2.14E-09	8.15E-10	5.35E-10	1.35E-09
6100	563367.2	4235549	8.38E-09	7.47E-09	1.59E-08	1.42E-09	1.20E-09	2.62E-09	6.76E-09	5.48E-09	1.22E-08	1.11E-09	1.06E-09	2.17E-09	8.27E-10	5.43E-10	1.37E-09
6101	563357.6	4235553	8.51E-09	7.59E-09	1.61E-08	1.44E-09	1.22E-09	2.66E-09	6.87E-09	5.57E-09	1.24E-08	1.12E-09	1.08E-09	2.20E-09	8.40E-10	5.51E-10	1.39E-09
6102	563348	4235557	8.64E-09	7.70E-09	1.63E-08	1.47E-09	1.23E-09	2.70E-09	6.97E-09	5.65E-09	1.26E-08	1.14E-09	1.10E-09	2.24E-09	8.53E-10	5.60E-10	1.41E-09
6103	563338.3	4235561	8.76E-09	7.82E-09	1.66E-08	1.49E-09	1.25E-09	2.74E-09	7.07E-09	5.73E-09	1.28E-08	1.16E-09	1.11E-09	2.27E-09	8.65E-10	5.68E-10	1.43E-09
6104	563328.7	4235566	8.89E-09	7.93E-09	1.68E-08	1.51E-09	1.27E-09	2.78E-09	7.17E-09	5.81E-09	1.30E-08	1.18E-09	1.13E-09	2.30E-09	8.78E-10	5.76E-10	1.45E-09
6105	563319.1	4235570	9.01E-09	8.03E-09	1.70E-08	1.53E-09	1.29E-09	2.82E-09	7.27E-09	5.89E-09	1.32E-08	1.19E-09	1.14E-09	2.33E-09	8.89E-10	5.84E-10	1.47E-09
6106	563309.1	4235571	9.18E-09	8.19E-09	1.74E-08	1.56E-09	1.31E-09	2.87E-09	7.41E-09	6.01E-09	1.34E-08	1.21E-09	1.17E-09	2.38E-09	9.07E-10	5.95E-10	1.50E-09
6107	563298.8	4235569	9.42E-09	8.40E-09	1.78E-08	1.60E-09	1.35E-09	2.95E-09	7.61E-09	6.17E-09	1.38E-08	1.25E-09	1.20E-09	2.44E-09	9.30E-10	6.11E-10	1.54E-09
6108	563288.5	4235567	9.66E-09	8.62E-09	1.83E-08	1.64E-09	1.38E-09	3.02E-09	7.80E-09	6.32E-09	1.41E-08	1.28E-09	1.23E-09	2.50E-09	9.54E-10	6.26E-10	1.58E-09
6109	563278.2	4235565	9.90E-09	8.83E-09	1.87E-08	1.68E-09	1.42E-09	3.10E-09	7.99E-09	6.48E-09	1.45E-08	1.31E-09	1.26E-09	2.57E-09	9.78E-10	6.42E-10	1.62E-09
6110	563267.9	4235563	1.01E-08	9.04E-09	1.92E-08	1.72E-09	1.45E-09	3.17E-09	8.18E-09	6.63E-09	1.48E-08	1.34E-09	1.29E-09	2.63E-09	1.00E-09	6.57E-10	1.66E-09
6111	563257.6	4235561	1.04E-08	9.25E-09	1.96E-08	1.76E-09	1.48E-09	3.24E-09	8.37E-09	6.79E-09	1.52E-08	1.37E-09	1.32E-09	2.69E-09	1.02E-09	6.72E-10	1.70E-09
6112	563247.3	4235559	1.06E-08	9.45E-09	2.00E-08	1.80E-09	1.52E-09	3.31E-09	8.56E-09	6.93E-09	1.55E-08	1.40E-09	1.34E-09	2.75E-09	1.05E-09	6.87E-10	1.73E-09
6113	563237	4235557	1.08E-08	9.65E-09	2.05E-08	1.84E-09	1.55E-09	3.38E-09	8.73E-09	7.08E-09	1.58E-08	1.43E-09	1.37E-09	2.80E-09	1.07E-09	7.01E-10	1.77E-09
6114	563226.7	4235555	1.10E-08	9.84E-09	2.09E-08	1.87E-09	1.58E-09	3.45E-09	8.91E-09	7.22E-09	1.61E-08	1.46E-09	1.40E-09	2.86E-09	1.09E-09	7.15E-10	1.80E-09
6115	563216.4	4235553	1.12E-08	1.00E-08	2.13E-08	1.91E-09	1.61E-09	3.51E-09	9.07E-09	7.35E-09	1.64E-08	1.49E-09	1.43E-09	2.91E-09	1.11E-09	7.28E-10	1.84E-09
6116	563206.1	4235551	1.14E-08	1.02E-08	2.16E-08	1.94E-09	1.63E-09	3.57E-09	9.23E-09	7.48E-09	1.67E-08	1.51E-09	1.45E-09	2.96E-09	1.13E-09	7.41E-10	1.87E-09
6117	563195.8	4235549	1.16E-08	1.04E-08	2.20E-08	1.97E-09	1.66E-09	3.63E-09	9.37E-09	7.60E-09	1.70E-08	1.53E-09	1.47E-09	3.01E-09	1.15E-09	7.52E-10	1.90E-09
6118	563185.5	4235547	1.18E-08	1.05E-08	2.23E-08	2.00E-09	1.68E-09	3.68E-09	9.51E-09	7.70E-09	1.72E-08	1.56E-09	1.49E-09	3.05E-09	1.16E-09	7.63E-10	1.93E-09
6119	563175.2	4235545	1.19E-08	1.06E-08	2.26E-08	2.02E-09	1.71E-09	3.73E-09	9.63E-09	7.80E-09	1.74E-08	1.58E-09	1.51E-09	3.09E-09	1.18E-09	7.73E-10	1.95E-09
6120	563164.9	4235543	1.21E-08	1.08E-08	2.28E-08	2.05E-09	1.72E-09	3.77E-09	9.73E-09	7.89E-09	1.76E-08	1.59E-09	1.53E-09	3.12E-09	1.19E-09	7.81E-10	1.97E-09
6121	563154.6	4235541	1.22E-08	1.09E-08	2.30E-08	2.07E-09	1.74E-09	3.81E-09	9.83E-09	7.96E-09	1.78E-08	1.61E-09	1.54E-09	3.15E-09	1.20E-09	7.89E-10	1.99E-09
6122	563144.3	4235539	1.23E-08	1.09E-08	2.32E-08	2.08E-09	1.75E-09	3.84E-09	9.90E-09	8.03E-09	1.79E-08	1.62E-09	1.56E-09	3.18E-09	1.21E-09	7.95E-10	2.01E-09
6123	563134	4235537	1.23E-08	1.10E-08	2.33E-08	2.09E-09	1.76E-09	3.86E-09	9.96E-09	8.07E-09	1.80E-08	1.63E-09	1.57E-09	3.20E-09	1.22E-09	8.00E-10	2.02E-09
6124	563123.7	4235535	1.24E-08	1.11E-08	2.34E-08	2.10E-09	1.77E-09	3.87E-09	1.00E-08	8.11E-09	1.81E-08	1.64E-09	1.57E-09	3.21E-09	1.22E-09	8.03E-10	2.03E-09
6125	563113.4	4235533	1.24E-08	1.11E-08	2.35E-08	2.11E-09	1.78E-09	3.88E-09	1.00E-08	8.12E-09	1.81E-08	1.64E-09	1.58E-09	3.22E-09	1.23E-09	8.05E-10	2.03E-09
6126	563103.1	4235531	1.24E-08	1.11E-08	2.35E-08	2.11E-09	1.78E-09	3.88E-09	1.00E-08	8.13E-09	1.82E-08	1.64E-09	1.58E-09	3.22E-09	1.23E-09	8.05E-10	2.03E-09
6127	563092.8	4235529	1.24E-08	1.11E-08	2.35E-08	2.10E-09	1.77E-09	3.88E-09	1.00E-08	8.11E-09	1.81E-08	1.64E-09	1.57E-09	3.21E-09	1.22E-09	8.03E-10	2.03E-09
6128	563082.5	4235527	1.24E-08	1.10E-08	2.34E-08	2.10E-09	1.77E-09	3.86E-09	9.98E-09	8.09E-09	1.81E-08	1.63E-09	1.57E-09	3.20E-09	1.22E-09	8.01E-10	2.02E-09
6129	563072.2	4235525	1.23E-08	1.10E-08	2.33E-08	2.09E-09	1.76E-09	3.85E-09	9.93E-09	8.05E-09	1.80E-08	1.63E-09	1.56E-09	3.19E-09	1.21E-09	7.97E-10	2.01E-09
6130	563061.9	4235523	1.22E-08	1.09E-08	2.31E-08	2.07E-09	1.75E-09	3.82E-09	9.87E-09	8.00E-09	1.79E-08	1.62E-09	1.55E-09	3.17E-09	1.21E-09	7.92E-10	2.00E-09
6131	563051.6	4235521	1.21E-08	1.08E-08	2.29E-08	2.05E-09	1.73E-09	3.79E-09	9.77E-09	7.92E-09	1.77E-08	1.60E-09	1.54E-09	3.14E-09	1.20E-09	7.84E-10	1.98E-09
6132	563041.3	4235518	1.20E-08	1.07E-08	2.26E-08	2.03E-09	1.71E-09	3.74E-09	9.66E-09	7.83E-09	1.75E-08	1.58E-09	1.52E-09	3.10E-09	1.18E-09	7.75E-10	1.96E-09
6133	563031	4235516	1.18E-08	1.05E-08	2.23E-08	2.00E-09	1.69E-09	3.69E-09	9.53E-09	7.72E-09	1.72E-08	1.56E-09	1.50E-09	3.06E-09	1.17E-09	7.65E-10	1.93E-09
6134	563020.7	4235514	1.16E-08	1.04E-08	2.20E-08	1.97E-09	1.66E-09	3.63E-09	9.39E-09	7.61E-09	1.70E-08	1.54E-09	1.47E-09	3.01E-09	1.15E-09	7.53E-10	1.90E-09
6135	563010.4	4235512	1.14E-08	1.02E-08	2.16E-08	1.94E-09	1.63E-09	3.57E-09	9.22E-09	7.48E-09	1.67E-08	1.51E-09	1.45E-09	2.96E-09	1.13E-09	7.40E-10	1.87E-09
6136	563000.1	4235510	1.12E-08	9.99E-09	2.12E-08	1.90E-09	1.60E-09	3.50E-09	9.04E-09	7.33E-09	1.64E-08	1.48E-09	1.42E-09	2.90E-09	1.11E-09	7.26E-10	1.83E-09
6137	562989.8	4235508	1.10E-08	9.77E-09	2.07E-08	1.86E-09	1.57E-09	3.42E-09	8.84E-09	7.17E-09	1.60E-08	1.45E-09	1.39E-09	2.84E-09	1.08E-09	7.10E-10	1.79E-09
6138	562979.5	4235506	1.07E-08	9.54E-09	2.02E-08	1.81E-09	1.53E-09	3.34E-09	8.63E-09	7.00E-09	1.56E-08	1.41E-09	1.36E-09	2.77E-09	1.06E-09	6.93E-10	1.75E-09
6139	562969.2	4235504	1.04E-08	9.30E-09	1.97E-08	1.77E-09	1.49E-09	3.26E-09	8.42E-09	6.82E-09	1.52E-08	1.38E-09	1.32E-09	2.70E-09	1.03E-09	6.76E-10	1.71E-09
6140	563655.4	4235422	5.65E-09	5.04E-09	1.07E-08	9.58E-10	8.07E-10	1.77E-09	4.56E-09	3.69E-09	8.25E-09	7.47E-10	7.16E-10	1.46E-09	5.58E-10	3.66E-10	9.23E-10
6141	563672.6	4235458	5.24E-09	4.67E-09	9.91E-09	8.89E-10	7.49E-10	1.64E-09	4.23E-09	3.43E-09	7.66E-09	6.93E-10	6.65E-10	1.36E-09	5.17E-10	3.39E-10	8.57E-10
6142	563662.9	4235463	5.34E-09	4.77E-09	1.01E-08	9.07E-10	7.64E-10	1.67E-09	4.31E-09	3.50E-09	7.81E-09	7.07E-10	6.78E-10	1.38E-09	5.28E-10	3.46E-10	8.74E-10
6143	563653.2	4235467	5.44E-09	4.86E-09	1.03E-08	9.24E-10	7.79E-10	1.70E-09	4.40E-09	3.56E-09	7.96E-09	7.20E-10	6.91E-10	1.41E-09	5.38E-10	3.53E-10	8.90E-10
6144	563643.5	4235471	5.54E-09	4.94E-09	1.05E-08	9.40E-10	7.92E-10	1.73E-09	4.47E-09	3.63E-09	8.10E-09	7.33E-10	7.03E-10	1.44E-09	5.47E-10	3.59E-10	9.06E-10
6145	563633.8	4235475	5.63E-09	5.03E-09	1.07E-08	9.56E-10	8.06E-10	1.76E-09	4.55E-09	3.69E-09	8.24E-09	7.45E-10	7.15E-10	1.46E-09	5.56E-10	3.65E-10	9.22E-10
6146	563624.1	4235479	5.70E-09	5.09E-09	1.08E-08	9.68E-10	8.16E-10	1.78E-09	4.61E-09	3.73E-09	8.34E-09	7.54E-10	7.24E-10	1.48E-09	5.63E-10	3.70E-10	9.33E-10
6147	563614.4	4235484	5.78E-09	5.15E-09	1.09E-08	9.80E-10	8.26E-10	1.81E-09	4.66E-09	3.78E-09	8.44E-09	7.64E-10	7.33E-10	1.50E-09	5.70E-10	3.74E-10	9.45E-10
6148	563604.7	4235488	5.85E-09	5.22E-09	1.11E-08	9.93E-10	8.37E-10	1.83E-09	4.73E-09	3.83E-09	8.56E-09	7.74E-10	7.43E-10	1.52E-09	5.78E-10	3.79E-10	9.57E-10
6149	563595	4235492	5.94E-09	5.30E-09	1.12E-08	1.01E-09	8.49E-10	1.86E-09	4.79E-09	3.89E-09	8.68E-09	7.85E-10	7.53E-10	1.54E-09	5.86E-10	3.85E-10	9.71E-10
6150	563585.3	4235496	6.02E-09	5.37E-09	1.14E-08	1.02E-09	8.61E-10	1.88E-09	4.86E-09	3.94E-09	8.80E-09	7.96E-10	7.64E-10	1.56E-09	5.95E-10	3.90E-10	9.85E-10
6151	563575.6	4235500	6.08E-09	5.42E-09	1.15E-08	1.03E-09	8.69E-10	1.90E-09	4.91E-09	3.98E-09	8.89E-09	8.04E-10	7.71E-10	1.58E-09	6.00E-10	3.94E-10	9.94E-10
6152	563565.9	4235505	6.12E-09	5.46E-09	1.16E-08	1.04E-09	8.75E-10	1.91E-09	4.94E-09	4.00E-09	8.94E-09	8.09E-10	7.76E-10	1.58E-09	6.04E-10	3.96E-10	1.00E-09
6153	563556.2	4235509	6.15E-09	5.48E-09	1.16E-08	1.04E-09	8.79E-10	1.92E-09	4.96E-09	4.02E-09	8.98E-09	8.13E-10	7.80E-10	1.59E-09	6.07E-10	3.98E-10	1.01E-09
6154	563546.5	4235513	6.18E-09	5.51E-09	1.17E-08	1.05E-09	8.84E-10	1.93E-09	4.99E-09	4.04E-09	9.03E-09	8.17E-10	7.84E-10	1.60E-09	6.10E-10	4.00E-10	1.01E-09
6155	563536.8	4235517	6.22E-09	5.55E-09	1.18E-08	1.06E-09	8.90E-10	1.95E-09	5.02E-09	4.07E-09	9.10E-09	8.23E-10	7.90E-10	1.61E-09	6.15E-10	4.03E-10	1.02E-09
6156	563527.1	4235521	6.27E-09	5.59E-09	1.19E-08	1.06E-09	8.97E-10	1.96E-09	5.06E-09	4.10E-09	9.17E-09	8.29E-10	7.96E-10	1.62E-09	6.19E-10	4.06E-10	1.03E-09
6157	563517.4	4235526	6.32E-09	5.64E-09	1.20E-08	1.07E-09	9.04E-10	1.98E-09	5.10E-09	4.13E-09	9.24E-09	8.36E-10	8.02E-10	1.64E-09	6.24E-10	4.09E-10	1.03E-09
6158	563507.7	4235530	6.39E-09	5.70E-09	1.21E-08	1.08E-09	9.13E-10	2.00E-09	5.16E-09	4.18E-09	9.34E-09	8.45E-10	8.10E-10	1.66E-09	6.31E-10	4.14E-10	1.04E-09
6159	563498	4235534	6.47E-09	5.77E-09	1.22E-08	1.10E-09	9.25E-10	2.02E-09	5.22E-09	4.23E-09	9.46E-09	8.56E-10	8.21E-10	1.68E-09	6.39E-10	4.19E-10	1.06E-09
6160	563488.3	4235538	6.56E-09	5.86E-09	1.24E-08	1.11E-09	9.39E-10	2.05E-09	5.30E-09	4.30E-09	9.60E-09	8.68E-10	8.33E-10	1.70E-09	6.48E-10	4.25E-10	1.07E-09
6161	563478.6	4235542	6.66E-09	5.94E-09	1.26E-08	1.13E-09	9.53E-10	2.08E-09	5.38E-09	4.36E-09	9.74E-09	8.81E-10	8.45E-10	1.73E-09	6.58E-10	4.32E-10	1.09E-09
6162	563468.9	4235547	6.75E-09	6.02E-09	1.28E-08	1.15E-09	9.66E-10	2.11E-09	5.45E-09	4.42E-09	9.87E-09	8.93E-10	8.57E-10	1.75E-09	6.67E-10	4.38E-10	1.10E-09
6163	563459.2	4235551	6.84E-09	6.11E-09	1.29E-08	1.16E-09	9.79E-10	2.14E-09	5.53E-09	4.48E-09	1.00E-08	9.05E-10	8.68E-10	1.77E-09	6.76E-10	4.44E-10	1.12E-09
6164	563449.5	4235555	6.93E-09	6.18E-09	1.31E-08	1.18E-09	9.91E-10	2.17E-09	5.60E-09	4.54E-09	1.01E-08	9.17E-10	8.79E-10	1.80E-09	6.84E-10	4.49E-10	1.13E-09
6165	563439.8	4235559	7.02E-09	6.26E-09	1.33E-08	1.19E-09	1.00E-09	2.19E-09	5.67E-09	4.59E-09	1.03E-08	9.28E-10	8.90E-10	1.82E-09	6.93E-10	4.55E-10	1.15E-09
6166	563430.1	4235563	7.10E-09	6.34E-09	1.34E-08	1.21E-09	1.02E-09	2.22E-09	5.74E-09	4.65E-09	1.04E-08	9.40E-10	9.02E-10	1.84E-09	7.02E-10	4.60E-10	1.16E-09
6167	563420.4	4235568	7.20E-09	6.42E-09	1.36E-08	1.22E-09	1.03E-09	2.25E-09	5.81E-09	4.71E-09	1.05E-08	9.52E-10	9.13E-10	1.86E-09	7.11E-10	4.66E-10	1.18E-09
6168	563410.7	4235572	7.29E-09	6.50E-09	1.38E-08	1.24E-09	1.04E-09	2.28E-09	5.89E-09	4.77E-09	1.07E-08	9.64E-10	9.25E-10	1.89E-09	7.20E-10	4.72E-10	1.19E-09
6169	563401	4235576	7.39E-09	6.59E-09	1.40E-08	1.25E-09	1.06E-09	2.31E-09	5.97E-09	4.83E-09	1.08E-08	9.77E-10	9.37E-10	1.91E-09	7.30E-10	4.79E-10	1.21E-09
6170	563391.3	4235580	7.49E-09	6.68E-09	1.42E-08	1.27E-09	1.07E-09	2.34E-09	6.05E-09	4.90E-09	1.10E-08	9.91E-10	9.51E-10	1.94E-09	7.40E-10	4.86E-10	1.23E-09
6171	563381.6	4235584	7.61E-09	6.79E-09	1.44E-08	1.29E-09	1.09E-09	2.38E-09	6.14E-09	4.98E-09	1.11E-08	1.01E-09	9.65E-10	1.97E-09	7.51E-10	4.93E-10	1.24E-09
6172	563371.9	4235589	7.72E-09	6.89E-09	1.46E-08	1.31E-09	1.10E-09	2.41E-09	6.23E-09	5.05E-09	1.13E-08	1.02E-09	9.80E-10	2.00E-09	7.63E-10	5.00E-10	1.26E-09
6173	563362.2	4235593	7.84E-09	6.99E-09	1.48E-08	1.33E-09	1.12E-09	2.45E-09	6.33E-09	5.13E-09	1.15E-08	1.04E-09	9.94E-10	2.03E-09	7.74E-10	5.08E-10	1.28E-09
6174	563352.5	4235597	7.95E-09	7.09E-09	1.50E-08	1.35E-09	1.14E-09	2.49E-09	6.42E-09	5.20E-09	1.16E-08	1.05E-09	1.01E-09	2.06E-09	7.85E-10	5.15E-10	1.30E-09
6175	563342.8	4235601	8.06E-09	7.19E-09	1.53E-08	1.37E-09	1.15E-09	2.52E-09	6.51E-09	5.28E-09	1.18E-08	1.07E-09	1.02E-09	2.09E-09	7.96E-10	5.22E-10	1.32E-09
6176	563333.1	4235605	8.17E-09	7.29E-09	1.55E-08	1.39E-09	1.17E-09	2.55E-09	6.60E-09	5.35E-09	1.19E-08	1.08E-09	1.04E-09	2.12E-09	8.07E-10	5.30E-10	1.34E-09
6177	563323.4	4235610	8.28E-09	7.38E-09	1.57E-08	1.40E-09	1.18E-09	2.59E-09	6.68E-09	5.42E-09	1.21E-08	1.09E-09	1.05E-09	2.14E-09	8.17E-10	5.36E-10	1.35E-09
6178	563313.4	4235611	8.43E-09	7.52E-09	1.60E-08	1.43E-09	1.21E-09	2.64E-09	6.81E-09	5.52E-09	1.23E-08	1.12E-09	1.07E-09	2.19E-09	8.33E-10	5.47E-10	1.38E-09
6179	563303	4235609	8.64E-09	7.71E-09	1.64E-08	1.47E-09	1.24E-09	2.70E-09	6.98E-09	5.66E-09	1.26E-08	1.14E-09	1.10E-09	2.24E-09	8.54E-10	5.60E-10	1.41E-09
6180	563292.6	4235607	8.86E-09	7.90E-09	1.68E-08	1.50E-09	1.27E-09	2.77E-09	7.15E-09	5.80E-09	1.29E-08	1.17E-09	1.12E-09	2.29E-09	8.75E-10	5.74E-10	1.45E-09
6181	563282.3	4235605	9.07E-09	8.09E-09	1.72E-08	1.54E-09	1.30E-09	2.83E-09	7.32E-09	5.93E-09	1.33E-08	1.20E-09	1.15E-09	2.35E-09	8.95E-10	5.88E-10	1.48E-09
6182	563271.9	4235603	9.28E-09	8.27E-09	1.75E-08	1.57E-09	1.33E-09	2.90E-09	7.49E-09	6.07E-09	1.36E-08	1.23E-09	1.18E-09	2.40E-09	9.16E-10	6.01E-10	1.52E-09
6183	563261.5	4235600	9.48E-09	8.46E-09	1.79E-08	1.61E-09	1.36E-09	2.96E-09	7.66E-09	6.20E-09	1.39E-08	1.25E-09	1.20E-09	2.46E-09	9.36E-10	6.14E-10	1.55E-09
6184	563251.1	4235598	9.68E-09	8.64E-09	1.83E-08	1.64E-09	1.38E-09	3.03E-09	7.82E-09	6.34E-09	1.42E-08	1.28E-09	1.23E-09	2.51E-09	9.56E-10	6.28E-10	1.58E-09

6185	563240.8	4235596	9.88E-09	8.81E-09	1.87E-08	1.68E-09	1.41E-09	3.09E-09	7.98E-09	6.46E-09	1.44E-08	1.31E-09	1.25E-09	2.56E-09	9.76E-10	6.40E-10	1.62E-09
6186	563230.4	4235594	1.01E-08	8.98E-09	1.91E-08	1.71E-09	1.44E-09	3.15E-09	8.13E-09	6.59E-09	1.47E-08	1.33E-09	1.28E-09	2.61E-09	9.94E-10	6.53E-10	1.65E-09
6187	563220	4235592	1.03E-08	9.15E-09	1.94E-08	1.74E-09	1.47E-09	3.21E-09	8.28E-09	6.71E-09	1.50E-08	1.36E-09	1.30E-09	2.66E-09	1.01E-09	6.64E-10	1.68E-09
6188	563209.7	4235590	1.04E-08	9.30E-09	1.97E-08	1.77E-09	1.49E-09	3.26E-09	8.42E-09	6.82E-09	1.52E-08	1.38E-09	1.32E-09	2.70E-09	1.03E-09	6.76E-10	1.71E-09
6189	563199.3	4235588	1.06E-08	9.45E-09	2.00E-08	1.80E-09	1.51E-09	3.31E-09	8.55E-09	6.93E-09	1.55E-08	1.40E-09	1.34E-09	2.74E-09	1.05E-09	6.86E-10	1.73E-09
6190	563188.9	4235586	1.07E-08	9.58E-09	2.03E-08	1.82E-09	1.54E-09	3.36E-09	8.67E-09	7.03E-09	1.57E-08	1.42E-09	1.36E-09	2.78E-09	1.06E-09	6.96E-10	1.76E-09
6191	563178.5	4235584	1.09E-08	9.71E-09	2.06E-08	1.85E-09	1.56E-09	3.40E-09	8.78E-09	7.12E-09	1.59E-08	1.44E-09	1.38E-09	2.82E-09	1.07E-09	7.05E-10	1.78E-09
6192	563168.2	4235582	1.10E-08	9.82E-09	2.08E-08	1.87E-09	1.57E-09	3.44E-09	8.89E-09	7.20E-09	1.61E-08	1.46E-09	1.40E-09	2.85E-09	1.09E-09	7.13E-10	1.80E-09
6193	563157.8	4235580	1.11E-08	9.92E-09	2.10E-08	1.89E-09	1.59E-09	3.48E-09	8.98E-09	7.27E-09	1.62E-08	1.47E-09	1.41E-09	2.88E-09	1.10E-09	7.20E-10	1.82E-09
6194	563147.4	4235578	1.12E-08	1.00E-08	2.12E-08	1.90E-09	1.60E-09	3.51E-09	9.05E-09	7.34E-09	1.64E-08	1.48E-09	1.42E-09	2.90E-09	1.11E-09	7.27E-10	1.83E-09
6195	563137	4235576	1.13E-08	1.01E-08	2.14E-08	1.92E-09	1.61E-09	3.53E-09	9.11E-09	7.39E-09	1.65E-08	1.49E-09	1.43E-09	2.92E-09	1.11E-09	7.31E-10	1.85E-09
6196	563126.7	4235574	1.13E-08	1.01E-08	2.15E-08	1.93E-09	1.62E-09	3.55E-09	9.16E-09	7.42E-09	1.66E-08	1.50E-09	1.44E-09	2.94E-09	1.12E-09	7.35E-10	1.86E-09
6197	563116.3	4235572	1.14E-08	1.02E-08	2.15E-08	1.93E-09	1.63E-09	3.56E-09	9.19E-09	7.45E-09	1.66E-08	1.51E-09	1.44E-09	2.95E-09	1.12E-09	7.38E-10	1.86E-09
6198	563105.9	4235570	1.14E-08	1.02E-08	2.16E-08	1.93E-09	1.63E-09	3.56E-09	9.20E-09	7.46E-09	1.67E-08	1.51E-09	1.45E-09	2.95E-09	1.13E-09	7.39E-10	1.86E-09
6199	563095.6	4235568	1.14E-08	1.02E-08	2.16E-08	1.93E-09	1.63E-09	3.56E-09	9.20E-09	7.46E-09	1.67E-08	1.51E-09	1.45E-09	2.95E-09	1.13E-09	7.39E-10	1.86E-09
6200	563085.2	4235566	1.14E-08	1.01E-08	2.15E-08	1.93E-09	1.63E-09	3.56E-09	9.18E-09	7.44E-09	1.66E-08	1.50E-09	1.44E-09	2.95E-09	1.12E-09	7.37E-10	1.86E-09
6201	563074.8	4235564	1.13E-08	1.01E-08	2.14E-08	1.92E-09	1.62E-09	3.54E-09	9.14E-09	7.41E-09	1.65E-08	1.50E-09	1.44E-09	2.93E-09	1.12E-09	7.34E-10	1.85E-09
6202	563064.4	4235562	1.12E-08	1.00E-08	2.13E-08	1.91E-09	1.61E-09	3.52E-09	9.08E-09	7.36E-09	1.64E-08	1.49E-09	1.43E-09	2.91E-09	1.11E-09	7.29E-10	1.84E-09
6203	563054.1	4235560	1.12E-08	9.95E-09	2.11E-08	1.89E-09	1.59E-09	3.49E-09	9.00E-09	7.30E-09	1.63E-08	1.47E-09	1.42E-09	2.89E-09	1.10E-09	7.23E-10	1.82E-09
6204	563043.7	4235558	1.10E-08	9.84E-09	2.09E-08	1.87E-09	1.58E-09	3.45E-09	8.91E-09	7.22E-09	1.61E-08	1.46E-09	1.40E-09	2.86E-09	1.09E-09	7.15E-10	1.80E-09
6205	563033.3	4235556	1.09E-08	9.72E-09	2.06E-08	1.85E-09	1.56E-09	3.41E-09	8.80E-09	7.13E-09	1.59E-08	1.44E-09	1.38E-09	2.82E-09	1.08E-09	7.06E-10	1.78E-09
6206	563022.9	4235554	1.08E-08	9.60E-09	2.04E-08	1.83E-09	1.54E-09	3.36E-09	8.69E-09	7.04E-09	1.57E-08	1.42E-09	1.36E-09	2.79E-09	1.06E-09	6.97E-10	1.76E-09
6207	563012.6	4235552	1.06E-08	9.46E-09	2.01E-08	1.80E-09	1.52E-09	3.32E-09	8.56E-09	6.94E-09	1.55E-08	1.40E-09	1.35E-09	2.75E-09	1.05E-09	6.87E-10	1.73E-09
6208	563002.2	4235550	1.04E-08	9.31E-09	1.98E-08	1.77E-09	1.49E-09	3.26E-09	8.43E-09	6.83E-09	1.53E-08	1.38E-09	1.32E-09	2.71E-09	1.03E-09	6.77E-10	1.71E-09
6209	562991.8	4235548	1.02E-08	9.14E-09	1.94E-08	1.74E-09	1.46E-09	3.20E-09	8.27E-09	6.70E-09	1.50E-08	1.35E-09	1.30E-09	2.65E-09	1.01E-09	6.64E-10	1.68E-09
6210	562981.5	4235546	1.00E-08	8.95E-09	1.90E-08	1.70E-09	1.43E-09	3.14E-09	8.10E-09	6.56E-09	1.47E-08	1.33E-09	1.27E-09	2.60E-09	9.91E-10	6.50E-10	1.64E-09
6211	562971.1	4235544	9.80E-09	8.75E-09	1.86E-08	1.66E-09	1.40E-09	3.07E-09	7.92E-09	6.42E-09	1.43E-08	1.30E-09	1.24E-09	2.54E-09	9.68E-10	6.35E-10	1.60E-09
6212	562960.7	4235542	9.54E-09	8.51E-09	1.80E-08	1.62E-09	1.36E-09	2.98E-09	7.70E-09	6.24E-09	1.39E-08	1.26E-09	1.21E-09	2.47E-09	9.42E-10	6.18E-10	1.56E-09
6213	562950.3	4235540	9.27E-09	8.27E-09	1.75E-08	1.57E-09	1.33E-09	2.90E-09	7.48E-09	6.06E-09	1.35E-08	1.23E-09	1.18E-09	2.40E-09	9.15E-10	6.01E-10	1.52E-09
6214	563698.7	4235489	4.80E-09	4.28E-09	9.08E-09	8.15E-10	6.87E-10	1.50E-09	3.88E-09	3.14E-09	7.02E-09	6.35E-10	6.09E-10	1.24E-09	4.74E-10	3.11E-10	7.85E-10
6215	563689	4235493	4.89E-09	4.36E-09	9.25E-09	8.29E-10	6.99E-10	1.53E-09	3.95E-09	3.20E-09	7.15E-09	6.46E-10	6.20E-10	1.27E-09	4.83E-10	3.17E-10	8.00E-10
6216	563679.4	4235497	4.98E-09	4.44E-09	9.42E-09	8.45E-10	7.12E-10	1.56E-09	4.02E-09	3.26E-09	7.28E-09	6.58E-10	6.32E-10	1.29E-09	4.92E-10	3.23E-10	8.14E-10
6217	563669.8	4235501	5.07E-09	4.52E-09	9.58E-09	8.59E-10	7.24E-10	1.58E-09	4.09E-09	3.31E-09	7.40E-09	6.70E-10	6.43E-10	1.31E-09	5.00E-10	3.28E-10	8.29E-10
6218	563660.1	4235505	5.14E-09	4.59E-09	9.73E-09	8.73E-10	7.36E-10	1.61E-09	4.15E-09	3.37E-09	7.52E-09	6.80E-10	6.53E-10	1.33E-09	5.08E-10	3.33E-10	8.42E-10
6219	563650.5	4235510	5.22E-09	4.66E-09	9.88E-09	8.86E-10	7.47E-10	1.63E-09	4.22E-09	3.42E-09	7.64E-09	6.91E-10	6.63E-10	1.35E-09	5.16E-10	3.39E-10	8.55E-10
6220	563640.9	4235514	5.30E-09	4.73E-09	1.00E-08	9.00E-10	7.58E-10	1.66E-09	4.28E-09	3.47E-09	7.75E-09	7.01E-10	6.73E-10	1.37E-09	5.24E-10	3.44E-10	8.67E-10
6221	563631.2	4235518	5.38E-09	4.80E-09	1.02E-08	9.13E-10	7.69E-10	1.68E-09	4.34E-09	3.52E-09	7.86E-09	7.11E-10	6.83E-10	1.39E-09	5.31E-10	3.49E-10	8.80E-10
6222	563621.6	4235522	5.46E-09	4.87E-09	1.03E-08	9.26E-10	7.80E-10	1.71E-09	4.41E-09	3.57E-09	7.98E-09	7.21E-10	6.92E-10	1.41E-09	5.39E-10	3.54E-10	8.92E-10
6223	563612	4235526	5.51E-09	4.92E-09	1.04E-08	9.35E-10	7.88E-10	1.72E-09	4.45E-09	3.61E-09	8.06E-09	7.29E-10	6.99E-10	1.43E-09	5.44E-10	3.57E-10	9.01E-10
6224	563602.3	4235530	5.56E-09	4.96E-09	1.05E-08	9.43E-10	7.95E-10	1.74E-09	4.49E-09	3.64E-09	8.12E-09	7.35E-10	7.05E-10	1.44E-09	5.49E-10	3.60E-10	9.09E-10
6225	563592.7	4235535	5.60E-09	4.99E-09	1.06E-08	9.50E-10	8.00E-10	1.75E-09	4.52E-09	3.66E-09	8.18E-09	7.40E-10	7.10E-10	1.45E-09	5.53E-10	3.63E-10	9.15E-10
6226	563583	4235539	5.64E-09	5.03E-09	1.07E-08	9.56E-10	8.06E-10	1.76E-09	4.55E-09	3.69E-09	8.24E-09	7.45E-10	7.15E-10	1.46E-09	5.57E-10	3.65E-10	9.22E-10
6227	563573.4	4235543	5.67E-09	5.06E-09	1.07E-08	9.63E-10	8.12E-10	1.77E-09	4.58E-09	3.71E-09	8.30E-09	7.50E-10	7.20E-10	1.47E-09	5.60E-10	3.68E-10	9.28E-10
6228	563563.8	4235547	5.71E-09	5.10E-09	1.08E-08	9.69E-10	8.17E-10	1.79E-09	4.61E-09	3.74E-09	8.35E-09	7.55E-10	7.25E-10	1.48E-09	5.64E-10	3.70E-10	9.34E-10
6229	563554.1	4235551	5.75E-09	5.13E-09	1.09E-08	9.76E-10	8.22E-10	1.80E-09	4.64E-09	3.76E-09	8.41E-09	7.61E-10	7.30E-10	1.49E-09	5.68E-10	3.73E-10	9.41E-10
6230	563544.5	4235555	5.79E-09	5.17E-09	1.10E-08	9.83E-10	8.28E-10	1.81E-09	4.68E-09	3.79E-09	8.46E-09	7.66E-10	7.35E-10	1.50E-09	5.72E-10	3.75E-10	9.47E-10
6231	563534.9	4235560	5.86E-09	5.22E-09	1.11E-08	9.94E-10	8.37E-10	1.83E-09	4.73E-09	3.83E-09	8.56E-09	7.74E-10	7.43E-10	1.52E-09	5.78E-10	3.80E-10	9.58E-10
6232	563525.2	4235564	5.93E-09	5.29E-09	1.12E-08	1.01E-09	8.48E-10	1.86E-09	4.79E-09	3.88E-09	8.67E-09	7.85E-10	7.53E-10	1.54E-09	5.86E-10	3.85E-10	9.70E-10
6233	563515.6	4235568	6.01E-09	5.36E-09	1.14E-08	1.02E-09	8.59E-10	1.88E-09	4.85E-09	3.93E-09	8.79E-09	7.95E-10	7.63E-10	1.56E-09	5.94E-10	3.90E-10	9.83E-10
6234	563506	4235572	6.07E-09	5.41E-09	1.15E-08	1.03E-09	8.68E-10	1.90E-09	4.90E-09	3.97E-09	8.87E-09	8.03E-10	7.70E-10	1.57E-09	5.99E-10	3.93E-10	9.93E-10
6235	563496.3	4235576	6.13E-09	5.47E-09	1.16E-08	1.04E-09	8.77E-10	1.92E-09	4.95E-09	4.01E-09	8.96E-09	8.11E-10	7.78E-10	1.59E-09	6.05E-10	3.97E-10	1.00E-09
6236	563486.7	4235580	6.19E-09	5.53E-09	1.17E-08	1.05E-09	8.86E-10	1.94E-09	5.00E-09	4.05E-09	9.06E-09	8.19E-10	7.86E-10	1.61E-09	6.12E-10	4.01E-10	1.01E-09
6237	563477	4235585	6.25E-09	5.58E-09	1.18E-08	1.06E-09	8.94E-10	1.96E-09	5.05E-09	4.09E-09	9.14E-09	8.27E-10	7.94E-10	1.62E-09	6.18E-10	4.05E-10	1.02E-09
6238	563467.4	4235589	6.31E-09	5.63E-09	1.19E-08	1.07E-09	9.02E-10	1.97E-09	5.09E-09	4.13E-09	9.22E-09	8.34E-10	8.01E-10	1.64E-09	6.23E-10	4.09E-10	1.03E-09
6239	563457.8	4235593	6.36E-09	5.68E-09	1.20E-08	1.08E-09	9.10E-10	1.99E-09	5.14E-09	4.16E-09	9.30E-09	8.42E-10	8.07E-10	1.65E-09	6.28E-10	4.12E-10	1.04E-09
6240	563448.1	4235597	6.43E-09	5.74E-09	1.22E-08	1.09E-09	9.20E-10	2.01E-09	5.19E-09	4.21E-09	9.40E-09	8.51E-10	8.16E-10	1.67E-09	6.35E-10	4.17E-10	1.05E-09
6241	563438.5	4235601	6.52E-09	5.82E-09	1.23E-08	1.11E-09	9.33E-10	2.04E-09	5.26E-09	4.27E-09	9.53E-09	8.62E-10	8.27E-10	1.69E-09	6.44E-10	4.23E-10	1.07E-09
6242	563428.9	4235606	6.61E-09	5.90E-09	1.25E-08	1.12E-09	9.46E-10	2.07E-09	5.34E-09	4.33E-09	9.67E-09	8.74E-10	8.39E-10	1.71E-09	6.53E-10	4.29E-10	1.08E-09
6243	563419.2	4235610	6.71E-09	5.98E-09	1.27E-08	1.14E-09	9.59E-10	2.10E-09	5.41E-09	4.39E-09	9.80E-09	8.87E-10	8.51E-10	1.74E-09	6.62E-10	4.35E-10	1.10E-09
6244	563409.6	4235614	6.80E-09	6.07E-09	1.29E-08	1.15E-09	9.73E-10	2.13E-09	5.49E-09	4.45E-09	9.94E-09	9.00E-10	8.63E-10	1.76E-09	6.72E-10	4.41E-10	1.11E-09
6245	563400	4235618	6.90E-09	6.16E-09	1.31E-08	1.17E-09	9.87E-10	2.16E-09	5.57E-09	4.52E-09	1.01E-08	9.13E-10	8.76E-10	1.79E-09	6.82E-10	4.47E-10	1.13E-09
6246	563390.3	4235622	7.00E-09	6.25E-09	1.32E-08	1.19E-09	1.00E-09	2.19E-09	5.65E-09	4.58E-09	1.02E-08	9.26E-10	8.88E-10	1.81E-09	6.91E-10	4.54E-10	1.15E-09
6247	563380.7	4235626	7.10E-09	6.34E-09	1.34E-08	1.21E-09	1.02E-09	2.22E-09	5.73E-09	4.65E-09	1.04E-08	9.39E-10	9.01E-10	1.84E-09	7.01E-10	4.60E-10	1.16E-09
6248	563371	4235631	7.20E-09	6.42E-09	1.36E-08	1.22E-09	1.03E-09	2.25E-09	5.82E-09	4.71E-09	1.05E-08	9.52E-10	9.14E-10	1.87E-09	7.11E-10	4.67E-10	1.18E-09
6249	563361.4	4235635	7.30E-09	6.52E-09	1.38E-08	1.24E-09	1.04E-09	2.28E-09	5.90E-09	4.78E-09	1.07E-08	9.66E-10	9.27E-10	1.89E-09	7.21E-10	4.73E-10	1.19E-09
6250	563351.8	4235639	7.41E-09	6.61E-09	1.40E-08	1.26E-09	1.06E-09	2.32E-09	5.99E-09	4.85E-09	1.08E-08	9.80E-10	9.41E-10	1.92E-09	7.32E-10	4.80E-10	1.21E-09
6251	563342.1	4235643	7.53E-09	6.72E-09	1.42E-08	1.28E-09	1.08E-09	2.35E-09	6.08E-09	4.93E-09	1.10E-08	9.95E-10	9.55E-10	1.95E-09	7.43E-10	4.88E-10	1.23E-09
6252	563332.5	4235647	7.64E-09	6.82E-09	1.45E-08	1.30E-09	1.09E-09	2.39E-09	6.17E-09	5.00E-09	1.12E-08	1.01E-09	9.70E-10	1.98E-09	7.55E-10	4.95E-10	1.25E-09
6253	563317.7	4235650	7.83E-09	6.99E-09	1.48E-08	1.33E-09	1.12E-09	2.45E-09	6.33E-09	5.13E-09	1.15E-08	1.04E-09	9.94E-10	2.03E-09	7.74E-10	5.08E-10	1.28E-09
6254	563307.4	4235648	8.02E-09	7.15E-09	1.52E-08	1.36E-09	1.15E-09	2.51E-09	6.47E-09	5.25E-09	1.17E-08	1.06E-09	1.02E-09	2.08E-09	7.92E-10	5.20E-10	1.31E-09
6255	563297.1	4235646	8.19E-09	7.31E-09	1.55E-08	1.39E-09	1.17E-09	2.56E-09	6.61E-09	5.36E-09	1.20E-08	1.08E-09	1.04E-09	2.12E-09	8.09E-10	5.31E-10	1.34E-09
6256	563286.8	4235644	8.35E-09	7.45E-09	1.58E-08	1.42E-09	1.19E-09	2.61E-09	6.75E-09	5.47E-09	1.22E-08	1.10E-09	1.06E-09	2.17E-09	8.25E-10	5.41E-10	1.37E-09
6257	563276.5	4235642	8.52E-09	7.60E-09	1.61E-08	1.45E-09	1.22E-09	2.66E-09	6.88E-09	5.58E-09	1.25E-08	1.13E-09	1.08E-09	2.21E-09	8.41E-10	5.52E-10	1.39E-09
6258	563266.2	4235640	8.70E-09	7.76E-09	1.65E-08	1.48E-09	1.24E-09	2.72E-09	7.02E-09	5.69E-09	1.27E-08	1.15E-09	1.10E-09	2.25E-09	8.59E-10	5.64E-10	1.42E-09
6259	563255.9	4235638	8.88E-09	7.92E-09	1.68E-08	1.51E-09	1.27E-09	2.78E-09	7.17E-09	5.81E-09	1.30E-08	1.17E-09	1.13E-09	2.30E-09	8.76E-10	5.75E-10	1.45E-09
6260	563245.6	4235636	9.05E-09	8.07E-09	1.71E-08	1.54E-09	1.29E-09	2.83E-09	7.31E-09	5.92E-09	1.32E-08	1.20E-09	1.15E-09	2.34E-09	8.94E-10	5.86E-10	1.48E-09
6261	563235.3	4235634	9.22E-09	8.22E-09	1.74E-08	1.56E-09	1.32E-09	2.88E-09	7.44E-09	6.03E-09	1.35E-08	1.22E-09	1.17E-09	2.39E-09	9.10E-10	5.97E-10	1.51E-09
6262	563225	4235632	9.38E-09	8.37E-09	1.77E-08	1.59E-09	1.34E-09	2.93E-09	7.57E-09	6.14E-09	1.37E-08	1.24E-09	1.19E-09	2.43E-09	9.26E-10	6.08E-10	1.53E-09
6263	563214.7	4235630	9.54E-09	8.51E-09	1.80E-08	1.62E-09	1.36E-09	2.98E-09	7.70E-09	6.24E-09	1.39E-08	1.26E-09	1.21E-09	2.47E-09	9.42E-10	6.18E-10	1.56E-09
6264	563204.4	4235628	9.68E-09	8.64E-09	1.83E-08	1.64E-09	1.39E-09	3.03E-09	7.82E-09	6.34E-09	1.42E-08	1.28E-09	1.23E-09	2.51E-09	9.56E-10	6.28E-10	1.58E-09
6265	563194.1	4235626	9.82E-09	8.76E-09	1.86E-08	1.67E-09	1.40E-09	3.07E-09	7.93E-09	6.43E-09	1.44E-08	1.30E-09	1.25E-09	2.55E-09	9.70E-10	6.37E-10	1.61E-09
6266	563183.7	4235624	9.95E-09	8.88E-09	1.88E-08	1.69E-09	1.42E-09	3.11E-09	8.04E-09	6.51E-09	1.45E-08	1.32E-09	1.26E-09	2.58E-09	9.83E-10	6.45E-10	1.63E-09
6267	563173.4	4235622	1.01E-08	8.98E-09	1.91E-08	1.71E-09	1.44E-09	3.15E-09	8.13E-09	6.59E-09	1.47E-08	1.33E-09	1.28E-09	2.61E-09	9.95E-10	6.53E-10	1.65E-09
6268	563163.1	4235620	1.02E-08	9.08E-09	1.93E-08	1.73E-09	1.46E-09	3.18E-09	8.22E-09	6.66E-09	1.49E-08	1.35E-09	1.29E-09	2.64E-09	1.01E-09	6.60E-10	1.66E-09
6269	563152.8	4235618	1.03E-08	9.16E-09	1.94E-08	1.74E-09	1.47E-09	3.21E-09	8.29E-09	6.72E-09	1.50E-08	1.36E-09	1.30E-09	2.66E-09	1.01E-09	6.66E-10	1.68E-09
6270	563142.5	4235616	1.04E-08	9.23E-09	1.96E-08	1.76E-09	1.48E-09	3.24E-09	8.36E-09	6.77E-09	1.51E-08	1.37E-09	1.31E-09	2.68E-09	1.02E-09	6.71E-10	1.69E-09
6271	563132.2	4235614	1.04E-08	9.29E-09	1.97E-08	1.77E-09	1.49E-09	3.26E-09	8.41E-09	6.82E-09	1.52E-08	1.38E-09	1.32E-09	2.70E-09	1.03E-09	6.75E-10	1.70E-09
6272	563121.9	4235612	1.05E-08	9.34E-09	1.98E-08	1.78E-09	1.50E-09	3.27E-09	8.45E-09	6.85E-09	1.53E-08	1.38E-09	1.33E-09	2.71E-09	1.03E-09	6.78E-10	1.71E-09
6273	563111.6	4235610	1.05E-08	9.36E-09	1.99E-08	1.78E-09	1.50E-09	3.28E-09	8.48E-09	6.87E-09	1.53E-08	1.39E-09	1.33E-09	2.72E-09	1.04E-09	6.80E-10	1.72E-09
6274	563101.3	4235608	1.05E-08	9.38E-09	1.99E-08	1.78E-09	1.50E-09	3.29E-09	8.49E-09	6.88E-09	1.54E-08	1.39E-09	1.33E-09	2.72E-09	1.04E-09	6.81E-10	1.72E-09
6275	563091	4235606	1.05E-08	9.37E-09	1.99E-08	1.78E-09	1.50E-09	3.29E-09	8.49E-09	6.88E-09	1.54E-08	1.39E-09	1.33E-09	2.72E-09	1.04E-09	6.81E-10	1.72E-09

6276	563080.7	4235604	1.05E-08	9.36E-09	1.98E-08	1.78E-09	1.50E-09	3.28E-09	8.47E-09	6.86E-09	1.53E-08	1.39E-09	1.33E-09	2.72E-09	1.04E-09	6.80E-10	1.72E-09
6277	563070.4	4235602	1.04E-08	9.32E-09	1.98E-08	1.77E-09	1.49E-09	3.27E-09	8.43E-09	6.84E-09	1.53E-08	1.38E-09	1.33E-09	2.71E-09	1.03E-09	6.77E-10	1.71E-09
6278	563060.1	4235600	1.04E-08	9.27E-09	1.97E-08	1.76E-09	1.49E-09	3.25E-09	8.39E-09	6.80E-09	1.52E-08	1.37E-09	1.32E-09	2.69E-09	1.03E-09	6.73E-10	1.70E-09
6279	563049.8	4235598	1.03E-08	9.19E-09	1.95E-08	1.75E-09	1.47E-09	3.22E-09	8.32E-09	6.74E-09	1.51E-08	1.36E-09	1.31E-09	2.67E-09	1.02E-09	6.68E-10	1.69E-09
6280	563039.5	4235596	1.02E-08	9.11E-09	1.93E-08	1.73E-09	1.46E-09	3.19E-09	8.24E-09	6.68E-09	1.49E-08	1.35E-09	1.30E-09	2.65E-09	1.01E-09	6.62E-10	1.67E-09
6281	563029.2	4235594	1.01E-08	9.00E-09	1.91E-08	1.71E-09	1.44E-09	3.16E-09	8.15E-09	6.60E-09	1.48E-08	1.33E-09	1.28E-09	2.61E-09	9.97E-10	6.54E-10	1.65E-09
6282	563018.9	4235592	9.96E-09	8.88E-09	1.88E-08	1.69E-09	1.42E-09	3.11E-09	8.04E-09	6.52E-09	1.46E-08	1.32E-09	1.26E-09	2.58E-09	9.83E-10	6.45E-10	1.63E-09
6283	563008.6	4235590	9.81E-09	8.75E-09	1.86E-08	1.66E-09	1.40E-09	3.07E-09	7.92E-09	6.42E-09	1.43E-08	1.30E-09	1.24E-09	2.54E-09	9.68E-10	6.35E-10	1.60E-09
6284	562998.3	4235588	9.64E-09	8.60E-09	1.82E-08	1.64E-09	1.38E-09	3.01E-09	7.78E-09	6.31E-09	1.41E-08	1.27E-09	1.22E-09	2.50E-09	9.52E-10	6.25E-10	1.58E-09
6285	562988	4235586	9.46E-09	8.44E-09	1.79E-08	1.61E-09	1.35E-09	2.96E-09	7.64E-09	6.19E-09	1.38E-08	1.25E-09	1.20E-09	2.45E-09	9.35E-10	6.13E-10	1.55E-09
6286	562977.6	4235584	9.27E-09	8.27E-09	1.75E-08	1.57E-09	1.33E-09	2.90E-09	7.49E-09	6.07E-09	1.36E-08	1.23E-09	1.18E-09	2.40E-09	9.16E-10	6.01E-10	1.52E-09
6287	562967.3	4235582	9.08E-09	8.10E-09	1.72E-08	1.54E-09	1.30E-09	2.84E-09	7.33E-09	5.94E-09	1.33E-08	1.20E-09	1.15E-09	2.35E-09	8.96E-10	5.88E-10	1.48E-09
6288	562957	4235580	8.87E-09	7.91E-09	1.68E-08	1.51E-09	1.27E-09	2.77E-09	7.16E-09	5.81E-09	1.30E-08	1.17E-09	1.13E-09	2.30E-09	8.76E-10	5.75E-10	1.45E-09
6289	562946.7	4235578	8.66E-09	7.73E-09	1.64E-08	1.47E-09	1.24E-09	2.71E-09	6.99E-09	5.67E-09	1.27E-08	1.15E-09	1.10E-09	2.24E-09	8.56E-10	5.61E-10	1.42E-09
6290	562936.4	4235576	8.45E-09	7.54E-09	1.60E-08	1.43E-09	1.21E-09	2.64E-09	6.82E-09	5.53E-09	1.24E-08	1.12E-09	1.07E-09	2.19E-09	8.35E-10	5.48E-10	1.38E-09
6291	562926.1	4235574	8.24E-09	7.35E-09	1.56E-08	1.40E-09	1.18E-09	2.58E-09	6.66E-09	5.39E-09	1.20E-08	1.09E-09	1.05E-09	2.14E-09	8.14E-10	5.34E-10	1.35E-09
6292	563380.7	4236267	3.20E-09	2.86E-09	6.06E-09	5.43E-10	4.58E-10	1.00E-09	2.58E-09	2.09E-09	4.68E-09	4.23E-10	4.06E-10	8.30E-10	3.16E-10	2.07E-10	5.24E-10
6293	563933	4236125	2.03E-09	1.81E-09	3.84E-09	3.44E-10	2.90E-10	6.34E-10	1.64E-09	1.33E-09	2.97E-09	2.68E-10	2.57E-10	5.26E-10	2.00E-10	1.31E-10	3.32E-10
6294	563945.5	4236147	1.98E-09	1.77E-09	3.75E-09	3.36E-10	2.83E-10	6.19E-10	1.60E-09	1.30E-09	2.89E-09	2.62E-10	2.51E-10	5.13E-10	1.95E-10	1.28E-10	3.24E-10
6295	563824.5	4236269	1.96E-09	1.75E-09	3.70E-09	3.32E-10	2.80E-10	6.12E-10	1.58E-09	1.28E-09	2.86E-09	2.59E-10	2.48E-10	5.07E-10	1.93E-10	1.27E-10	3.20E-10
6296	563855.9	4236253	1.94E-09	1.73E-09	3.66E-09	3.28E-10	2.77E-10	6.05E-10	1.56E-09	1.27E-09	2.83E-09	2.56E-10	2.46E-10	5.02E-10	1.91E-10	1.25E-10	3.17E-10
6297	563849.4	4236289	1.89E-09	1.69E-09	3.58E-09	3.21E-10	2.70E-10	5.91E-10	1.53E-09	1.24E-09	2.76E-09	2.50E-10	2.40E-10	4.90E-10	1.87E-10	1.23E-10	3.09E-10
6298	563815.6	4236380	1.80E-09	1.61E-09	3.41E-09	3.05E-10	2.57E-10	5.63E-10	1.45E-09	1.18E-09	2.63E-09	2.38E-10	2.28E-10	4.66E-10	1.78E-10	1.17E-10	2.94E-10
6299	563835.1	4236350	1.83E-09	1.63E-09	3.46E-09	3.10E-10	2.61E-10	5.71E-10	1.48E-09	1.20E-09	2.67E-09	2.42E-10	2.32E-10	4.73E-10	1.80E-10	1.18E-10	2.99E-10
6300	563844.6	4236373	1.78E-09	1.58E-09	3.36E-09	3.01E-10	2.54E-10	5.55E-10	1.43E-09	1.16E-09	2.60E-09	2.35E-10	2.25E-10	4.60E-10	1.75E-10	1.15E-10	2.90E-10
6301	563850	4236388	1.74E-09	1.56E-09	3.30E-09	2.96E-10	2.49E-10	5.45E-10	1.41E-09	1.14E-09	2.55E-09	2.31E-10	2.21E-10	4.52E-10	1.72E-10	1.13E-10	2.85E-10
6302	563807.8	4236458	1.71E-09	1.52E-09	3.23E-09	2.90E-10	2.44E-10	5.34E-10	1.38E-09	1.12E-09	2.50E-09	2.26E-10	2.17E-10	4.43E-10	1.69E-10	1.11E-10	2.79E-10
6303	563812.6	4236488	1.67E-09	1.49E-09	3.16E-09	2.83E-10	2.39E-10	5.22E-10	1.35E-09	1.09E-09	2.44E-09	2.21E-10	2.12E-10	4.32E-10	1.65E-10	1.08E-10	2.73E-10
6304	563786.5	4236491	1.69E-09	1.51E-09	3.20E-09	2.87E-10	2.42E-10	5.29E-10	1.37E-09	1.11E-09	2.47E-09	2.24E-10	2.15E-10	4.38E-10	1.67E-10	1.10E-10	2.77E-10
6305	563862.8	4236477	1.62E-09	1.44E-09	3.06E-09	2.74E-10	2.31E-10	5.05E-10	1.31E-09	1.06E-09	2.36E-09	2.14E-10	2.05E-10	4.19E-10	1.60E-10	1.05E-10	2.64E-10

			T2		T2L3		T3		T4I		T4F	
			2065	563076.51								
			3.00E-02	2.68E-02	5.09E-03	4.29E-03	2.42E-02	1.96E-02	3.97E-03	3.81E-03	2.96E-03	1.94E-03
			Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2
1	563279	4234944	6.88E-03	6.14E-03	1.17E-03	9.84E-04	5.56E-03	4.50E-03	9.10E-04	8.73E-04	6.80E-04	4.46E-04
2	563274.4	4234931	7.68E-03	6.85E-03	1.30E-03	1.10E-03	6.20E-03	5.02E-03	1.02E-03	9.74E-04	7.58E-04	4.97E-04
3	563267.1	4234918	8.97E-03	8.00E-03	1.52E-03	1.28E-03	7.24E-03	5.87E-03	1.19E-03	1.14E-03	8.86E-04	5.81E-04
4	563287.8	4234940	6.26E-03	5.58E-03	1.06E-03	8.95E-04	5.05E-03	4.10E-03	8.28E-04	7.94E-04	6.18E-04	4.06E-04
5	563289.9	4234953	5.87E-03	5.24E-03	9.96E-04	8.40E-04	4.74E-03	3.84E-03	7.77E-04	7.45E-04	5.80E-04	3.81E-04
6	563287.7	4234965	5.74E-03	5.12E-03	9.75E-04	8.22E-04	4.64E-03	3.76E-03	7.60E-04	7.29E-04	5.67E-04	3.72E-04
7	563281	4234977	5.86E-03	5.22E-03	9.94E-04	8.38E-04	4.73E-03	3.83E-03	7.74E-04	7.43E-04	5.78E-04	3.80E-04
8	563283.2	4234926	6.92E-03	6.17E-03	1.17E-03	9.89E-04	5.59E-03	4.53E-03	9.15E-04	8.78E-04	6.83E-04	4.48E-04
9	563275.9	4234913	7.97E-03	7.11E-03	1.35E-03	1.14E-03	6.44E-03	5.22E-03	1.05E-03	1.01E-03	7.87E-04	5.17E-04
10	563296.6	4234935	5.69E-03	5.08E-03	9.66E-04	8.14E-04	4.60E-03	3.73E-03	7.53E-04	7.22E-04	5.62E-04	3.69E-04
11	563298.7	4234948	5.39E-03	4.80E-03	9.14E-04	7.70E-04	4.35E-03	3.52E-03	7.12E-04	6.83E-04	5.32E-04	3.49E-04
12	563297.5	4234967	5.14E-03	4.58E-03	8.72E-04	7.35E-04	4.15E-03	3.36E-03	6.80E-04	6.52E-04	5.08E-04	3.33E-04
13	563290.8	4234978	5.26E-03	4.69E-03	8.92E-04	7.52E-04	4.24E-03	3.44E-03	6.95E-04	6.67E-04	5.19E-04	3.41E-04
14	563291.9	4234921	6.24E-03	5.57E-03	1.06E-03	8.92E-04	5.04E-03	4.08E-03	8.25E-04	7.92E-04	6.16E-04	4.04E-04
15	563284.7	4234908	7.10E-03	6.34E-03	1.21E-03	1.02E-03	5.74E-03	4.65E-03	9.39E-04	9.01E-04	7.02E-04	4.60E-04
16	563305.4	4234930	5.19E-03	4.63E-03	8.80E-04	7.42E-04	4.19E-03	3.39E-03	6.86E-04	6.58E-04	5.12E-04	3.36E-04
17	563307.5	4234943	4.93E-03	4.40E-03	8.37E-04	7.05E-04	3.98E-03	3.23E-03	6.52E-04	6.26E-04	4.87E-04	3.20E-04
18	563309.6	4234956	4.68E-03	4.18E-03	7.95E-04	6.70E-04	3.78E-03	3.07E-03	6.19E-04	5.94E-04	4.63E-04	3.04E-04
19	563307.3	4234969	4.62E-03	4.12E-03	7.84E-04	6.61E-04	3.73E-03	3.02E-03	6.11E-04	5.86E-04	4.56E-04	2.99E-04
20	563300.7	4234980	4.74E-03	4.23E-03	8.04E-04	6.78E-04	3.83E-03	3.10E-03	6.27E-04	6.01E-04	4.68E-04	3.07E-04
21	563294	4234992	4.82E-03	4.30E-03	8.18E-04	6.89E-04	3.89E-03	3.15E-03	6.37E-04	6.12E-04	4.76E-04	3.12E-04
22	563300.7	4234917	5.64E-03	5.03E-03	9.56E-04	8.06E-04	4.55E-03	3.69E-03	7.45E-04	7.15E-04	5.57E-04	3.65E-04
23	563293.5	4234903	6.35E-03	5.67E-03	1.08E-03	9.08E-04	5.13E-03	4.16E-03	8.40E-04	8.06E-04	6.27E-04	4.12E-04
24	563314.2	4234925	4.73E-03	4.22E-03	8.02E-04	6.76E-04	3.82E-03	3.09E-03	6.25E-04	6.00E-04	4.67E-04	3.06E-04
25	563316.3	4234938	4.52E-03	4.03E-03	7.66E-04	6.46E-04	3.65E-03	2.95E-03	5.97E-04	5.73E-04	4.46E-04	2.93E-04
26	563318.4	4234952	4.32E-03	3.86E-03	7.34E-04	6.18E-04	3.49E-03	2.83E-03	5.72E-04	5.49E-04	4.27E-04	2.80E-04
27	563317.2	4234970	4.17E-03	3.72E-03	7.08E-04	5.97E-04	3.37E-03	2.73E-03	5.52E-04	5.29E-04	4.12E-04	2.70E-04
28	563310.5	4234982	4.29E-03	3.82E-03	7.27E-04	6.13E-04	3.46E-03	2.81E-03	5.67E-04	5.44E-04	4.23E-04	2.78E-04
29	563303.9	4234994	4.37E-03	3.90E-03	7.42E-04	6.26E-04	3.53E-03	2.86E-03	5.78E-04	5.55E-04	4.32E-04	2.83E-04
30	563309.5	4234912	5.10E-03	4.55E-03	8.65E-04	7.29E-04	4.12E-03	3.34E-03	6.74E-04	6.47E-04	5.04E-04	3.31E-04
31	563302.2	4234899	5.70E-03	5.08E-03	9.67E-04	8.15E-04	4.60E-03	3.73E-03	7.53E-04	7.23E-04	5.63E-04	3.69E-04
32	563323.1	4234921	4.30E-03	3.84E-03	7.30E-04	6.15E-04	3.47E-03	2.82E-03	5.69E-04	5.46E-04	4.25E-04	2.79E-04
33	563325.5	4234936	4.10E-03	3.66E-03	6.96E-04	5.87E-04	3.31E-03	2.69E-03	5.43E-04	5.21E-04	4.05E-04	2.66E-04
34	563327.9	4234951	3.93E-03	3.51E-03	6.67E-04	5.62E-04	3.17E-03	2.57E-03	5.20E-04	4.99E-04	3.88E-04	2.55E-04
35	563326.5	4234973	3.79E-03	3.38E-03	6.43E-04	5.42E-04	3.06E-03	2.48E-03	5.01E-04	4.81E-04	3.74E-04	2.46E-04
36	563318.9	4234986	3.91E-03	3.49E-03	6.64E-04	5.60E-04	3.16E-03	2.56E-03	5.18E-04	4.97E-04	3.87E-04	2.54E-04
37	563311.3	4235000	4.01E-03	3.57E-03	6.80E-04	5.73E-04	3.24E-03	2.62E-03	5.30E-04	5.08E-04	3.96E-04	2.60E-04
38	563318.3	4234907	4.63E-03	4.13E-03	7.85E-04	6.62E-04	3.74E-03	3.03E-03	6.12E-04	5.87E-04	4.57E-04	3.00E-04
39	563311	4234894	5.13E-03	4.58E-03	8.70E-04	7.33E-04	4.14E-03	3.36E-03	6.78E-04	6.51E-04	5.07E-04	3.32E-04
40	563331.9	4234916	3.94E-03	3.51E-03	6.68E-04	5.63E-04	3.18E-03	2.58E-03	5.20E-04	4.99E-04	3.89E-04	2.55E-04
41	563334.3	4234931	3.78E-03	3.37E-03	6.41E-04	5.40E-04	3.05E-03	2.47E-03	4.99E-04	4.79E-04	3.73E-04	2.45E-04
42	563336.6	4234946	3.63E-03	3.24E-03	6.17E-04	5.20E-04	2.93E-03	2.38E-03	4.80E-04	4.61E-04	3.59E-04	2.35E-04
43	563339	4234961	3.48E-03	3.10E-03	5.90E-04	4.97E-04	2.81E-03	2.28E-03	4.60E-04	4.41E-04	3.43E-04	2.25E-04
44	563336.4	4234975	3.45E-03	3.08E-03	5.86E-04	4.94E-04	2.79E-03	2.26E-03	4.57E-04	4.38E-04	3.41E-04	2.24E-04
45	563328.9	4234988	3.57E-03	3.18E-03	6.05E-04	5.10E-04	2.88E-03	2.33E-03	4.72E-04	4.53E-04	3.52E-04	2.31E-04
46	563321.5	4235001	3.66E-03	3.26E-03	6.21E-04	5.23E-04	2.95E-03	2.39E-03	4.84E-04	4.64E-04	3.61E-04	2.37E-04
47	563314	4235014	3.72E-03	3.32E-03	6.32E-04	5.32E-04	3.01E-03	2.44E-03	4.92E-04	4.72E-04	3.68E-04	2.41E-04
48	563327.1	4234902	4.21E-03	3.75E-03	7.14E-04	6.02E-04	3.40E-03	2.75E-03	5.56E-04	5.34E-04	4.15E-04	2.73E-04
49	563319.8	4234889	4.63E-03	4.13E-03	7.86E-04	6.63E-04	3.74E-03	3.03E-03	6.13E-04	5.88E-04	4.58E-04	3.00E-04
50	563340.7	4234912	3.61E-03	3.22E-03	6.12E-04	5.16E-04	2.91E-03	2.36E-03	4.77E-04	4.58E-04	3.56E-04	2.34E-04
51	563343	4234926	3.48E-03	3.10E-03	5.90E-04	4.97E-04	2.81E-03	2.28E-03	4.60E-04	4.41E-04	3.44E-04	2.25E-04
52	563345.3	4234941	3.36E-03	2.99E-03	5.69E-04	4.80E-04	2.71E-03	2.20E-03	4.44E-04	4.26E-04	3.31E-04	2.18E-04
53	563347.7	4234955	3.24E-03	2.89E-03	5.50E-04	4.64E-04	2.62E-03	2.12E-03	4.29E-04	4.12E-04	3.20E-04	2.10E-04
54	563346.3	4234977	3.15E-03	2.81E-03	5.35E-04	4.51E-04	2.55E-03	2.06E-03	4.17E-04	4.00E-04	3.12E-04	2.04E-04
55	563338.9	4234989	3.26E-03	2.91E-03	5.53E-04	4.66E-04	2.63E-03	2.13E-03	4.31E-04	4.14E-04	3.22E-04	2.11E-04
56	563331.5	4235002	3.35E-03	2.99E-03	5.69E-04	4.79E-04	2.71E-03	2.19E-03	4.43E-04	4.25E-04	3.31E-04	2.17E-04
57	563324.1	4235015	3.42E-03	3.05E-03	5.80E-04	4.89E-04	2.76E-03	2.24E-03	4.52E-04	4.34E-04	3.38E-04	2.22E-04
58	563335.9	4234898	3.83E-03	3.42E-03	6.51E-04	5.48E-04	3.10E-03	2.51E-03	5.07E-04	4.86E-04	3.79E-04	2.48E-04
59	563328.6	4234884	4.20E-03	3.75E-03	7.12E-04	6.00E-04	3.39E-03	2.75E-03	5.55E-04	5.33E-04	4.15E-04	2.72E-04
60	563358.2	4234902	3.04E-03	2.72E-03	5.16E-04	4.35E-04	2.46E-03	1.99E-03	4.03E-04	3.86E-04	3.01E-04	1.97E-04
61	563360.5	4234916	2.96E-03	2.64E-03	5.02E-04	4.23E-04	2.39E-03	1.94E-03	3.91E-04	3.75E-04	2.92E-04	1.92E-04
62	563362.8	4234931	2.87E-03	2.56E-03	4.88E-04	4.11E-04	2.32E-03	1.88E-03	3.80E-04	3.65E-04	2.84E-04	1.86E-04
63	563365.1	4234945	2.80E-03	2.50E-03	4.75E-04	4.00E-04	2.26E-03	1.83E-03	3.70E-04	3.55E-04	2.76E-04	1.81E-04

64	563367.4	4234959	2.72E-03	2.43E-03	4.62E-04	3.89E-04	2.20E-03	1.78E-03	3.60E-04	3.45E-04	2.69E-04	1.76E-04
65	563366	4234980	2.66E-03	2.38E-03	4.52E-04	3.81E-04	2.15E-03	1.74E-03	3.52E-04	3.38E-04	2.63E-04	1.73E-04
66	563358.8	4234993	2.75E-03	2.46E-03	4.67E-04	3.94E-04	2.22E-03	1.80E-03	3.64E-04	3.49E-04	2.72E-04	1.78E-04
67	563351.5	4235005	2.83E-03	2.53E-03	4.81E-04	4.05E-04	2.29E-03	1.85E-03	3.75E-04	3.60E-04	2.80E-04	1.84E-04
68	563344.3	4235018	2.90E-03	2.59E-03	4.93E-04	4.15E-04	2.34E-03	1.90E-03	3.84E-04	3.68E-04	2.87E-04	1.88E-04
69	563337	4235030	2.95E-03	2.64E-03	5.01E-04	4.23E-04	2.39E-03	1.93E-03	3.91E-04	3.75E-04	2.92E-04	1.92E-04
70	563353.5	4234888	3.21E-03	2.86E-03	5.45E-04	4.59E-04	2.59E-03	2.10E-03	4.25E-04	4.07E-04	3.17E-04	2.08E-04
71	563346.2	4234875	3.48E-03	3.11E-03	5.91E-04	4.98E-04	2.81E-03	2.28E-03	4.60E-04	4.42E-04	3.44E-04	2.26E-04
72	563375.8	4234892	2.59E-03	2.31E-03	4.40E-04	3.71E-04	2.09E-03	1.70E-03	3.43E-04	3.29E-04	2.56E-04	1.68E-04
73	563378.1	4234906	2.53E-03	2.26E-03	4.30E-04	3.62E-04	2.04E-03	1.66E-03	3.35E-04	3.21E-04	2.50E-04	1.64E-04
74	563380.3	4234921	2.47E-03	2.21E-03	4.20E-04	3.54E-04	2.00E-03	1.62E-03	3.27E-04	3.14E-04	2.44E-04	1.60E-04
75	563382.6	4234935	2.42E-03	2.15E-03	4.10E-04	3.45E-04	1.95E-03	1.58E-03	3.19E-04	3.06E-04	2.39E-04	1.57E-04
76	563384.8	4234949	2.36E-03	2.10E-03	4.00E-04	3.37E-04	1.90E-03	1.54E-03	3.12E-04	2.99E-04	2.33E-04	1.53E-04
77	563387.1	4234963	2.29E-03	2.05E-03	3.89E-04	3.28E-04	1.85E-03	1.50E-03	3.03E-04	2.91E-04	2.26E-04	1.49E-04
78	563385.7	4234984	2.27E-03	2.03E-03	3.86E-04	3.25E-04	1.84E-03	1.49E-03	3.01E-04	2.89E-04	2.25E-04	1.47E-04
79	563378.6	4234996	2.35E-03	2.10E-03	3.99E-04	3.36E-04	1.90E-03	1.54E-03	3.11E-04	2.98E-04	2.32E-04	1.52E-04
80	563371.4	4235008	2.42E-03	2.16E-03	4.11E-04	3.46E-04	1.96E-03	1.58E-03	3.20E-04	3.07E-04	2.39E-04	1.57E-04
81	563364.3	4235021	2.49E-03	2.22E-03	4.22E-04	3.56E-04	2.01E-03	1.63E-03	3.29E-04	3.16E-04	2.46E-04	1.61E-04
82	563357.1	4235033	2.54E-03	2.27E-03	4.31E-04	3.63E-04	2.05E-03	1.66E-03	3.36E-04	3.22E-04	2.51E-04	1.65E-04
83	563350	4235046	2.58E-03	2.30E-03	4.38E-04	3.69E-04	2.08E-03	1.69E-03	3.41E-04	3.28E-04	2.55E-04	1.67E-04
84	563371	4234879	2.72E-03	2.42E-03	4.61E-04	3.89E-04	2.19E-03	1.78E-03	3.59E-04	3.45E-04	2.68E-04	1.76E-04
85	563363.8	4234865	2.93E-03	2.61E-03	4.96E-04	4.18E-04	2.36E-03	1.91E-03	3.87E-04	3.71E-04	2.89E-04	1.90E-04
86	563393.5	4234883	2.23E-03	1.99E-03	3.78E-04	3.19E-04	1.80E-03	1.46E-03	2.95E-04	2.83E-04	2.20E-04	1.44E-04
87	563395.8	4234898	2.18E-03	1.94E-03	3.70E-04	3.12E-04	1.76E-03	1.43E-03	2.88E-04	2.77E-04	2.15E-04	1.41E-04
88	563398.2	4234913	2.13E-03	1.90E-03	3.62E-04	3.05E-04	1.72E-03	1.40E-03	2.82E-04	2.71E-04	2.11E-04	1.38E-04
89	563400.6	4234928	2.09E-03	1.87E-03	3.55E-04	2.99E-04	1.69E-03	1.37E-03	2.77E-04	2.65E-04	2.07E-04	1.36E-04
90	563403	4234943	2.05E-03	1.83E-03	3.47E-04	2.93E-04	1.65E-03	1.34E-03	2.71E-04	2.60E-04	2.02E-04	1.33E-04
91	563405.4	4234958	2.00E-03	1.78E-03	3.39E-04	2.85E-04	1.61E-03	1.31E-03	2.64E-04	2.53E-04	1.97E-04	1.29E-04
92	563407.8	4234973	1.95E-03	1.74E-03	3.31E-04	2.79E-04	1.57E-03	1.28E-03	2.58E-04	2.47E-04	1.92E-04	1.26E-04
93	563405.2	4234988	1.97E-03	1.75E-03	3.34E-04	2.81E-04	1.59E-03	1.29E-03	2.60E-04	2.50E-04	1.94E-04	1.27E-04
94	563397.6	4235001	2.03E-03	1.82E-03	3.45E-04	2.91E-04	1.64E-03	1.33E-03	2.69E-04	2.58E-04	2.01E-04	1.32E-04
95	563390	4235014	2.10E-03	1.87E-03	3.56E-04	3.00E-04	1.70E-03	1.37E-03	2.78E-04	2.66E-04	2.07E-04	1.36E-04
96	563382.4	4235027	2.16E-03	1.93E-03	3.67E-04	3.09E-04	1.75E-03	1.41E-03	2.86E-04	2.74E-04	2.14E-04	1.40E-04
97	563374.8	4235040	2.22E-03	1.98E-03	3.76E-04	3.17E-04	1.79E-03	1.45E-03	2.93E-04	2.81E-04	2.19E-04	1.44E-04
98	563367.2	4235054	2.26E-03	2.02E-03	3.83E-04	3.23E-04	1.82E-03	1.48E-03	2.99E-04	2.87E-04	2.23E-04	1.46E-04
99	563359.6	4235067	2.29E-03	2.04E-03	3.88E-04	3.27E-04	1.85E-03	1.50E-03	3.03E-04	2.90E-04	2.26E-04	1.48E-04
100	563388.6	4234869	2.32E-03	2.07E-03	3.93E-04	3.31E-04	1.87E-03	1.52E-03	3.06E-04	2.94E-04	2.29E-04	1.50E-04
101	563381.3	4234856	2.46E-03	2.20E-03	4.18E-04	3.52E-04	1.99E-03	1.61E-03	3.26E-04	3.12E-04	2.43E-04	1.60E-04
102	563411	4234874	1.94E-03	1.73E-03	3.29E-04	2.77E-04	1.56E-03	1.27E-03	2.56E-04	2.46E-04	1.91E-04	1.25E-04
103	563413.4	4234888	1.90E-03	1.69E-03	3.22E-04	2.72E-04	1.53E-03	1.24E-03	2.51E-04	2.41E-04	1.88E-04	1.23E-04
104	563415.7	4234903	1.86E-03	1.66E-03	3.16E-04	2.67E-04	1.51E-03	1.22E-03	2.47E-04	2.37E-04	1.84E-04	1.21E-04
105	563418.1	4234918	1.83E-03	1.64E-03	3.11E-04	2.62E-04	1.48E-03	1.20E-03	2.42E-04	2.33E-04	1.81E-04	1.19E-04
106	563420.4	4234933	1.80E-03	1.61E-03	3.06E-04	2.58E-04	1.45E-03	1.18E-03	2.38E-04	2.29E-04	1.78E-04	1.17E-04
107	563422.8	4234948	1.77E-03	1.58E-03	3.00E-04	2.53E-04	1.43E-03	1.16E-03	2.34E-04	2.24E-04	1.75E-04	1.15E-04
108	563425.1	4234962	1.73E-03	1.54E-03	2.94E-04	2.48E-04	1.40E-03	1.13E-03	2.29E-04	2.20E-04	1.71E-04	1.12E-04
109	563427.5	4234977	1.70E-03	1.52E-03	2.89E-04	2.43E-04	1.37E-03	1.11E-03	2.25E-04	2.16E-04	1.68E-04	1.10E-04
110	563424.9	4234991	1.72E-03	1.53E-03	2.91E-04	2.45E-04	1.39E-03	1.12E-03	2.27E-04	2.18E-04	1.69E-04	1.11E-04
111	563417.4	4235004	1.77E-03	1.58E-03	3.01E-04	2.53E-04	1.43E-03	1.16E-03	2.34E-04	2.25E-04	1.75E-04	1.15E-04
112	563410	4235017	1.83E-03	1.63E-03	3.10E-04	2.61E-04	1.47E-03	1.20E-03	2.42E-04	2.32E-04	1.80E-04	1.18E-04
113	563402.5	4235030	1.88E-03	1.68E-03	3.19E-04	2.69E-04	1.52E-03	1.23E-03	2.49E-04	2.39E-04	1.86E-04	1.22E-04
114	563395	4235043	1.93E-03	1.72E-03	3.28E-04	2.76E-04	1.56E-03	1.26E-03	2.55E-04	2.45E-04	1.91E-04	1.25E-04
115	563387.5	4235056	1.98E-03	1.76E-03	3.35E-04	2.83E-04	1.60E-03	1.29E-03	2.61E-04	2.51E-04	1.95E-04	1.28E-04
116	563380.1	4235069	2.01E-03	1.79E-03	3.41E-04	2.88E-04	1.62E-03	1.32E-03	2.66E-04	2.55E-04	1.99E-04	1.30E-04
117	563372.6	4235082	2.04E-03	1.82E-03	3.45E-04	2.91E-04	1.64E-03	1.33E-03	2.69E-04	2.58E-04	2.01E-04	1.32E-04
118	563406.2	4234859	2.00E-03	1.78E-03	3.40E-04	2.86E-04	1.62E-03	1.31E-03	2.65E-04	2.54E-04	1.98E-04	1.30E-04
119	563398.9	4234846	2.10E-03	1.87E-03	3.56E-04	3.00E-04	1.69E-03	1.37E-03	2.78E-04	2.66E-04	2.07E-04	1.36E-04
120	563428.6	4234864	1.71E-03	1.52E-03	2.90E-04	2.44E-04	1.38E-03	1.12E-03	2.26E-04	2.17E-04	1.69E-04	1.11E-04
121	563430.9	4234879	1.67E-03	1.49E-03	2.84E-04	2.39E-04	1.35E-03	1.09E-03	2.21E-04	2.12E-04	1.65E-04	1.08E-04
122	563433.2	4234893	1.64E-03	1.47E-03	2.79E-04	2.35E-04	1.33E-03	1.07E-03	2.17E-04	2.08E-04	1.62E-04	1.06E-04
123	563435.5	4234908	1.62E-03	1.44E-03	2.74E-04	2.31E-04	1.31E-03	1.06E-03	2.14E-04	2.05E-04	1.60E-04	1.05E-04
124	563437.9	4234922	1.59E-03	1.42E-03	2.70E-04	2.28E-04	1.29E-03	1.04E-03	2.11E-04	2.02E-04	1.57E-04	1.03E-04
125	563440.2	4234937	1.57E-03	1.40E-03	2.67E-04	2.25E-04	1.27E-03	1.03E-03	2.08E-04	1.99E-04	1.55E-04	1.02E-04
126	563442.5	4234952	1.55E-03	1.38E-03	2.62E-04	2.21E-04	1.25E-03	1.01E-03	2.04E-04	1.96E-04	1.53E-04	1.00E-04
127	563444.8	4234966	1.52E-03	1.35E-03	2.57E-04	2.17E-04	1.23E-03	9.93E-04	2.01E-04	1.93E-04	1.50E-04	9.83E-05
128	563447.2	4234981	1.50E-03	1.34E-03	2.55E-04	2.15E-04	1.21E-03	9.83E-04	1.99E-04	1.91E-04	1.48E-04	9.73E-05
129	563444.6	4234995	1.51E-03	1.35E-03	2.56E-04	2.16E-04	1.22E-03	9.88E-04	2.00E-04	1.92E-04	1.49E-04	9.79E-05
130	563437.3	4235007	1.56E-03	1.39E-03	2.64E-04	2.23E-04	1.26E-03	1.02E-03	2.06E-04	1.97E-04	1.54E-04	1.01E-04

131	563429.9	4235020	1.60E-03	1.43E-03	2.72E-04	2.29E-04	1.29E-03	1.05E-03	2.12E-04	2.03E-04	1.58E-04	1.04E-04
132	563422.5	4235033	1.65E-03	1.47E-03	2.80E-04	2.36E-04	1.33E-03	1.08E-03	2.18E-04	2.09E-04	1.63E-04	1.07E-04
133	563415.1	4235046	1.69E-03	1.51E-03	2.88E-04	2.42E-04	1.37E-03	1.11E-03	2.24E-04	2.15E-04	1.67E-04	1.10E-04
134	563407.7	4235059	1.74E-03	1.55E-03	2.95E-04	2.48E-04	1.40E-03	1.14E-03	2.30E-04	2.20E-04	1.72E-04	1.13E-04
135	563400.3	4235072	1.77E-03	1.58E-03	3.01E-04	2.54E-04	1.43E-03	1.16E-03	2.35E-04	2.25E-04	1.75E-04	1.15E-04
136	563393	4235085	1.80E-03	1.61E-03	3.06E-04	2.58E-04	1.46E-03	1.18E-03	2.38E-04	2.29E-04	1.78E-04	1.17E-04
137	563385.6	4235097	1.82E-03	1.63E-03	3.09E-04	2.61E-04	1.47E-03	1.19E-03	2.41E-04	2.31E-04	1.80E-04	1.18E-04
138	563423.8	4234850	1.78E-03	1.59E-03	3.01E-04	2.54E-04	1.43E-03	1.16E-03	2.35E-04	2.25E-04	1.75E-04	1.15E-04
139	563416.5	4234836	1.85E-03	1.65E-03	3.14E-04	2.65E-04	1.49E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
140	563446.1	4234854	1.52E-03	1.36E-03	2.58E-04	2.18E-04	1.23E-03	9.96E-04	2.01E-04	1.93E-04	1.50E-04	9.87E-05
141	563448.4	4234869	1.49E-03	1.33E-03	2.53E-04	2.13E-04	1.20E-03	9.75E-04	1.97E-04	1.89E-04	1.47E-04	9.66E-05
142	563450.7	4234883	1.46E-03	1.30E-03	2.48E-04	2.09E-04	1.18E-03	9.57E-04	1.93E-04	1.85E-04	1.44E-04	9.47E-05
143	563453	4234898	1.44E-03	1.28E-03	2.44E-04	2.06E-04	1.16E-03	9.41E-04	1.90E-04	1.83E-04	1.42E-04	9.32E-05
144	563455.3	4234912	1.42E-03	1.27E-03	2.41E-04	2.03E-04	1.15E-03	9.29E-04	1.88E-04	1.80E-04	1.40E-04	9.20E-05
145	563457.6	4234927	1.41E-03	1.25E-03	2.39E-04	2.01E-04	1.14E-03	9.20E-04	1.86E-04	1.78E-04	1.39E-04	9.11E-05
146	563459.9	4234941	1.39E-03	1.24E-03	2.37E-04	1.99E-04	1.13E-03	9.12E-04	1.84E-04	1.77E-04	1.38E-04	9.03E-05
147	563462.2	4234956	1.38E-03	1.23E-03	2.34E-04	1.97E-04	1.11E-03	9.01E-04	1.82E-04	1.75E-04	1.36E-04	8.93E-05
148	563464.5	4234970	1.36E-03	1.21E-03	2.31E-04	1.95E-04	1.10E-03	8.90E-04	1.80E-04	1.73E-04	1.34E-04	8.82E-05
149	563466.8	4234985	1.34E-03	1.19E-03	2.27E-04	1.91E-04	1.08E-03	8.75E-04	1.77E-04	1.70E-04	1.32E-04	8.67E-05
150	563464.3	4234998	1.34E-03	1.20E-03	2.27E-04	1.92E-04	1.08E-03	8.77E-04	1.77E-04	1.70E-04	1.32E-04	8.69E-05
151	563457	4235011	1.38E-03	1.23E-03	2.34E-04	1.97E-04	1.11E-03	9.02E-04	1.82E-04	1.75E-04	1.36E-04	8.93E-05
152	563449.7	4235024	1.42E-03	1.26E-03	2.40E-04	2.02E-04	1.14E-03	9.26E-04	1.87E-04	1.80E-04	1.40E-04	9.17E-05
153	563442.4	4235036	1.45E-03	1.30E-03	2.47E-04	2.08E-04	1.17E-03	9.52E-04	1.92E-04	1.85E-04	1.44E-04	9.43E-05
154	563435.1	4235049	1.50E-03	1.33E-03	2.54E-04	2.14E-04	1.21E-03	9.79E-04	1.98E-04	1.90E-04	1.48E-04	9.69E-05
155	563427.8	4235062	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.00E-03	2.03E-04	1.95E-04	1.52E-04	9.95E-05
156	563420.5	4235074	1.57E-03	1.40E-03	2.67E-04	2.25E-04	1.27E-03	1.03E-03	2.08E-04	1.99E-04	1.55E-04	1.02E-04
157	563413.2	4235087	1.60E-03	1.43E-03	2.72E-04	2.29E-04	1.29E-03	1.05E-03	2.12E-04	2.03E-04	1.58E-04	1.04E-04
158	563405.9	4235100	1.63E-03	1.45E-03	2.76E-04	2.33E-04	1.31E-03	1.06E-03	2.15E-04	2.06E-04	1.61E-04	1.05E-04
159	563398.6	4235113	1.64E-03	1.47E-03	2.79E-04	2.35E-04	1.33E-03	1.08E-03	2.17E-04	2.09E-04	1.62E-04	1.07E-04
160	563441.4	4234840	1.57E-03	1.40E-03	2.66E-04	2.25E-04	1.27E-03	1.03E-03	2.08E-04	1.99E-04	1.55E-04	1.02E-04
161	563434.1	4234827	1.63E-03	1.46E-03	2.77E-04	2.33E-04	1.32E-03	1.07E-03	2.16E-04	2.07E-04	1.61E-04	1.06E-04
162	563463.8	4234845	1.37E-03	1.22E-03	2.33E-04	1.96E-04	1.11E-03	8.97E-04	1.81E-04	1.74E-04	1.35E-04	8.88E-05
163	563466.2	4234860	1.34E-03	1.20E-03	2.27E-04	1.92E-04	1.08E-03	8.77E-04	1.77E-04	1.70E-04	1.32E-04	8.69E-05
164	563468.5	4234875	1.31E-03	1.17E-03	2.23E-04	1.88E-04	1.06E-03	8.59E-04	1.74E-04	1.67E-04	1.30E-04	8.51E-05
165	563470.9	4234890	1.29E-03	1.15E-03	2.19E-04	1.84E-04	1.04E-03	8.44E-04	1.71E-04	1.64E-04	1.27E-04	8.36E-05
166	563473.3	4234905	1.27E-03	1.13E-03	2.16E-04	1.82E-04	1.03E-03	8.32E-04	1.68E-04	1.61E-04	1.26E-04	8.24E-05
167	563475.7	4234920	1.27E-03	1.13E-03	2.16E-04	1.82E-04	1.03E-03	8.33E-04	1.68E-04	1.61E-04	1.26E-04	8.25E-05
168	563478.1	4234935	1.27E-03	1.13E-03	2.16E-04	1.82E-04	1.03E-03	8.32E-04	1.68E-04	1.61E-04	1.26E-04	8.24E-05
169	563480.5	4234950	1.26E-03	1.12E-03	2.13E-04	1.80E-04	1.01E-03	8.22E-04	1.66E-04	1.59E-04	1.24E-04	8.14E-05
170	563482.9	4234965	1.24E-03	1.10E-03	2.10E-04	1.77E-04	9.98E-04	8.09E-04	1.63E-04	1.57E-04	1.22E-04	8.01E-05
171	563485.3	4234980	1.21E-03	1.08E-03	2.06E-04	1.73E-04	9.79E-04	7.93E-04	1.60E-04	1.54E-04	1.20E-04	7.86E-05
172	563483.9	4235002	1.20E-03	1.07E-03	2.04E-04	1.72E-04	9.69E-04	7.86E-04	1.59E-04	1.52E-04	1.19E-04	7.78E-05
173	563476.3	4235015	1.23E-03	1.10E-03	2.09E-04	1.76E-04	9.95E-04	8.06E-04	1.63E-04	1.56E-04	1.22E-04	7.98E-05
174	563468.7	4235028	1.26E-03	1.13E-03	2.14E-04	1.81E-04	1.02E-03	8.27E-04	1.67E-04	1.60E-04	1.25E-04	8.19E-05
175	563461.1	4235042	1.30E-03	1.16E-03	2.20E-04	1.86E-04	1.05E-03	8.50E-04	1.72E-04	1.65E-04	1.28E-04	8.42E-05
176	563453.5	4235055	1.34E-03	1.19E-03	2.27E-04	1.91E-04	1.08E-03	8.74E-04	1.77E-04	1.69E-04	1.32E-04	8.65E-05
177	563445.9	4235068	1.37E-03	1.22E-03	2.33E-04	1.96E-04	1.11E-03	8.98E-04	1.82E-04	1.74E-04	1.36E-04	8.90E-05
178	563438.3	4235081	1.41E-03	1.26E-03	2.39E-04	2.01E-04	1.14E-03	9.22E-04	1.86E-04	1.79E-04	1.39E-04	9.13E-05
179	563430.7	4235095	1.44E-03	1.28E-03	2.44E-04	2.06E-04	1.16E-03	9.42E-04	1.90E-04	1.83E-04	1.42E-04	9.33E-05
180	563423.1	4235108	1.46E-03	1.30E-03	2.48E-04	2.09E-04	1.18E-03	9.56E-04	1.93E-04	1.85E-04	1.44E-04	9.47E-05
181	563415.5	4235121	1.48E-03	1.32E-03	2.51E-04	2.12E-04	1.19E-03	9.68E-04	1.96E-04	1.88E-04	1.46E-04	9.59E-05
182	563458.9	4234831	1.40E-03	1.25E-03	2.38E-04	2.01E-04	1.13E-03	9.17E-04	1.85E-04	1.78E-04	1.38E-04	9.09E-05
183	563451.7	4234817	1.45E-03	1.29E-03	2.46E-04	2.07E-04	1.17E-03	9.48E-04	1.92E-04	1.84E-04	1.43E-04	9.39E-05
184	563481.3	4234835	1.25E-03	1.11E-03	2.12E-04	1.78E-04	1.01E-03	8.17E-04	1.65E-04	1.58E-04	1.23E-04	8.09E-05
185	563483.7	4234850	1.22E-03	1.09E-03	2.07E-04	1.75E-04	9.85E-04	7.99E-04	1.61E-04	1.55E-04	1.21E-04	7.91E-05
186	563486.1	4234865	1.19E-03	1.06E-03	2.02E-04	1.71E-04	9.64E-04	7.81E-04	1.58E-04	1.51E-04	1.18E-04	7.73E-05
187	563488.4	4234880	1.17E-03	1.04E-03	1.99E-04	1.68E-04	9.46E-04	7.67E-04	1.55E-04	1.49E-04	1.16E-04	7.59E-05
188	563490.8	4234895	1.16E-03	1.03E-03	1.97E-04	1.66E-04	9.36E-04	7.58E-04	1.53E-04	1.47E-04	1.14E-04	7.51E-05
189	563493.1	4234910	1.16E-03	1.03E-03	1.96E-04	1.65E-04	9.34E-04	7.57E-04	1.53E-04	1.47E-04	1.14E-04	7.50E-05
190	563495.5	4234925	1.16E-03	1.03E-03	1.96E-04	1.65E-04	9.33E-04	7.56E-04	1.53E-04	1.47E-04	1.14E-04	7.49E-05
191	563497.9	4234940	1.14E-03	1.02E-03	1.94E-04	1.64E-04	9.23E-04	7.48E-04	1.51E-04	1.45E-04	1.13E-04	7.41E-05
192	563500.2	4234954	1.13E-03	1.01E-03	1.92E-04	1.62E-04	9.12E-04	7.39E-04	1.49E-04	1.43E-04	1.12E-04	7.32E-05
193	563502.6	4234969	1.11E-03	9.93E-04	1.89E-04	1.59E-04	8.99E-04	7.28E-04	1.47E-04	1.41E-04	1.10E-04	7.21E-05
194	563505	4234984	1.09E-03	9.75E-04	1.85E-04	1.56E-04	8.82E-04	7.15E-04	1.45E-04	1.39E-04	1.08E-04	7.08E-05
195	563503.6	4235006	1.08E-03	9.65E-04	1.84E-04	1.55E-04	8.74E-04	7.08E-04	1.43E-04	1.37E-04	1.07E-04	7.01E-05
196	563496.1	4235019	1.11E-03	9.88E-04	1.88E-04	1.58E-04	8.94E-04	7.25E-04	1.46E-04	1.41E-04	1.09E-04	7.18E-05
197	563488.6	4235032	1.13E-03	1.01E-03	1.92E-04	1.62E-04	9.15E-04	7.41E-04	1.50E-04	1.44E-04	1.12E-04	7.34E-05

198	563481	4235045	1.16E-03	1.04E-03	1.97E-04	1.66E-04	9.37E-04	7.60E-04	1.54E-04	1.47E-04	1.15E-04	7.52E-05
199	563473.5	4235058	1.19E-03	1.06E-03	2.02E-04	1.70E-04	9.62E-04	7.80E-04	1.58E-04	1.51E-04	1.18E-04	7.72E-05
200	563466	4235071	1.22E-03	1.09E-03	2.08E-04	1.75E-04	9.89E-04	8.01E-04	1.62E-04	1.55E-04	1.21E-04	7.94E-05
201	563458.5	4235084	1.26E-03	1.12E-03	2.13E-04	1.80E-04	1.02E-03	8.23E-04	1.66E-04	1.60E-04	1.24E-04	8.15E-05
202	563451	4235097	1.29E-03	1.15E-03	2.19E-04	1.84E-04	1.04E-03	8.43E-04	1.70E-04	1.64E-04	1.27E-04	8.35E-05
203	563443.5	4235110	1.31E-03	1.17E-03	2.22E-04	1.87E-04	1.06E-03	8.58E-04	1.73E-04	1.66E-04	1.29E-04	8.50E-05
204	563436	4235123	1.33E-03	1.19E-03	2.26E-04	1.90E-04	1.07E-03	8.71E-04	1.76E-04	1.69E-04	1.31E-04	8.62E-05
205	563428.5	4235136	1.35E-03	1.20E-03	2.29E-04	1.93E-04	1.09E-03	8.81E-04	1.78E-04	1.71E-04	1.33E-04	8.73E-05
206	563476.5	4234821	1.28E-03	1.15E-03	2.18E-04	1.84E-04	1.04E-03	8.40E-04	1.70E-04	1.63E-04	1.27E-04	8.32E-05
207	563469.2	4234808	1.32E-03	1.18E-03	2.24E-04	1.89E-04	1.06E-03	8.63E-04	1.74E-04	1.67E-04	1.30E-04	8.54E-05
208	563498.9	4234826	1.15E-03	1.02E-03	1.95E-04	1.64E-04	9.26E-04	7.50E-04	1.52E-04	1.45E-04	1.13E-04	7.43E-05
209	563501.2	4234841	1.12E-03	1.00E-03	1.90E-04	1.60E-04	9.05E-04	7.33E-04	1.48E-04	1.42E-04	1.11E-04	7.26E-05
210	563503.6	4234855	1.10E-03	9.77E-04	1.86E-04	1.57E-04	8.84E-04	7.17E-04	1.45E-04	1.39E-04	1.08E-04	7.10E-05
211	563505.9	4234870	1.07E-03	9.57E-04	1.82E-04	1.53E-04	8.66E-04	7.02E-04	1.42E-04	1.36E-04	1.06E-04	6.95E-05
212	563508.3	4234885	1.06E-03	9.49E-04	1.81E-04	1.52E-04	8.59E-04	6.96E-04	1.41E-04	1.35E-04	1.05E-04	6.90E-05
213	563510.6	4234900	1.07E-03	9.53E-04	1.81E-04	1.53E-04	8.63E-04	6.99E-04	1.41E-04	1.36E-04	1.06E-04	6.92E-05
214	563512.9	4234914	1.06E-03	9.43E-04	1.79E-04	1.51E-04	8.53E-04	6.92E-04	1.40E-04	1.34E-04	1.04E-04	6.85E-05
215	563515.3	4234929	1.05E-03	9.33E-04	1.78E-04	1.50E-04	8.45E-04	6.85E-04	1.38E-04	1.33E-04	1.03E-04	6.78E-05
216	563517.6	4234944	1.04E-03	9.24E-04	1.76E-04	1.48E-04	8.37E-04	6.78E-04	1.37E-04	1.31E-04	1.02E-04	6.71E-05
217	563520	4234958	1.02E-03	9.14E-04	1.74E-04	1.46E-04	8.27E-04	6.70E-04	1.35E-04	1.30E-04	1.01E-04	6.64E-05
218	563522.3	4234973	1.01E-03	9.01E-04	1.71E-04	1.44E-04	8.15E-04	6.61E-04	1.34E-04	1.28E-04	9.97E-05	6.55E-05
219	563524.7	4234988	9.92E-04	8.85E-04	1.68E-04	1.42E-04	8.01E-04	6.49E-04	1.31E-04	1.26E-04	9.80E-05	6.43E-05
220	563523.3	4235009	9.82E-04	8.76E-04	1.67E-04	1.40E-04	7.93E-04	6.43E-04	1.30E-04	1.25E-04	9.70E-05	6.37E-05
221	563515.8	4235022	1.00E-03	8.94E-04	1.70E-04	1.43E-04	8.09E-04	6.56E-04	1.33E-04	1.27E-04	9.90E-05	6.50E-05
222	563508.4	4235035	1.02E-03	9.12E-04	1.74E-04	1.46E-04	8.26E-04	6.69E-04	1.35E-04	1.30E-04	1.01E-04	6.63E-05
223	563501	4235048	1.04E-03	9.32E-04	1.77E-04	1.49E-04	8.44E-04	6.84E-04	1.38E-04	1.33E-04	1.03E-04	6.77E-05
224	563493.5	4235061	1.07E-03	9.54E-04	1.82E-04	1.53E-04	8.64E-04	7.00E-04	1.41E-04	1.36E-04	1.06E-04	6.93E-05
225	563486.1	4235074	1.10E-03	9.80E-04	1.86E-04	1.57E-04	8.87E-04	7.19E-04	1.45E-04	1.39E-04	1.08E-04	7.12E-05
226	563478.6	4235087	1.13E-03	1.01E-03	1.91E-04	1.61E-04	9.11E-04	7.38E-04	1.49E-04	1.43E-04	1.11E-04	7.31E-05
227	563471.2	4235100	1.16E-03	1.03E-03	1.96E-04	1.65E-04	9.34E-04	7.57E-04	1.53E-04	1.47E-04	1.14E-04	7.50E-05
228	563463.8	4235113	1.18E-03	1.05E-03	2.00E-04	1.69E-04	9.52E-04	7.72E-04	1.56E-04	1.50E-04	1.16E-04	7.64E-05
229	563456.3	4235126	1.20E-03	1.07E-03	2.04E-04	1.72E-04	9.70E-04	7.86E-04	1.59E-04	1.52E-04	1.19E-04	7.78E-05
230	563448.9	4235139	1.22E-03	1.09E-03	2.07E-04	1.74E-04	9.85E-04	7.98E-04	1.61E-04	1.55E-04	1.20E-04	7.91E-05
231	563441.4	4235152	1.23E-03	1.10E-03	2.09E-04	1.76E-04	9.95E-04	8.06E-04	1.63E-04	1.56E-04	1.22E-04	7.99E-05
232	563494.1	4234812	1.18E-03	1.05E-03	2.00E-04	1.69E-04	9.53E-04	7.72E-04	1.56E-04	1.50E-04	1.17E-04	7.65E-05
233	563486.8	4234798	1.21E-03	1.08E-03	2.05E-04	1.73E-04	9.77E-04	7.92E-04	1.60E-04	1.54E-04	1.20E-04	7.84E-05
234	563516.5	4234816	1.06E-03	9.42E-04	1.79E-04	1.51E-04	8.53E-04	6.91E-04	1.40E-04	1.34E-04	1.04E-04	6.85E-05
235	563518.8	4234831	1.04E-03	9.23E-04	1.76E-04	1.48E-04	8.36E-04	6.77E-04	1.37E-04	1.31E-04	1.02E-04	6.71E-05
236	563521.1	4234845	1.01E-03	9.03E-04	1.72E-04	1.45E-04	8.18E-04	6.63E-04	1.34E-04	1.28E-04	1.00E-04	6.56E-05
237	563523.4	4234860	9.98E-04	8.90E-04	1.69E-04	1.43E-04	8.06E-04	6.53E-04	1.32E-04	1.27E-04	9.85E-05	6.47E-05
238	563525.8	4234875	9.90E-04	8.83E-04	1.68E-04	1.42E-04	7.99E-04	6.48E-04	1.31E-04	1.26E-04	9.77E-05	6.41E-05
239	563528.1	4234889	9.85E-04	8.79E-04	1.67E-04	1.41E-04	7.96E-04	6.45E-04	1.30E-04	1.25E-04	9.73E-05	6.39E-05
240	563530.4	4234904	9.73E-04	8.68E-04	1.65E-04	1.39E-04	7.86E-04	6.37E-04	1.29E-04	1.23E-04	9.61E-05	6.31E-05
241	563532.7	4234919	9.63E-04	8.59E-04	1.63E-04	1.38E-04	7.78E-04	6.30E-04	1.27E-04	1.22E-04	9.51E-05	6.24E-05
242	563535.1	4234933	9.54E-04	8.51E-04	1.62E-04	1.36E-04	7.71E-04	6.24E-04	1.26E-04	1.21E-04	9.42E-05	6.18E-05
243	563537.4	4234948	9.45E-04	8.43E-04	1.60E-04	1.35E-04	7.63E-04	6.19E-04	1.25E-04	1.20E-04	9.34E-05	6.13E-05
244	563539.7	4234962	9.35E-04	8.34E-04	1.59E-04	1.34E-04	7.55E-04	6.12E-04	1.24E-04	1.19E-04	9.24E-05	6.06E-05
245	563542	4234977	9.23E-04	8.23E-04	1.57E-04	1.32E-04	7.45E-04	6.04E-04	1.22E-04	1.17E-04	9.11E-05	5.98E-05
246	563544.3	4234992	9.07E-04	8.09E-04	1.54E-04	1.30E-04	7.33E-04	5.94E-04	1.20E-04	1.15E-04	8.96E-05	5.88E-05
247	563543	4235013	8.97E-04	8.00E-04	1.52E-04	1.28E-04	7.25E-04	5.87E-04	1.19E-04	1.14E-04	8.86E-05	5.82E-05
248	563535.6	4235026	9.13E-04	8.15E-04	1.55E-04	1.31E-04	7.38E-04	5.98E-04	1.21E-04	1.16E-04	9.02E-05	5.92E-05
249	563528.2	4235038	9.29E-04	8.29E-04	1.58E-04	1.33E-04	7.50E-04	6.08E-04	1.23E-04	1.18E-04	9.18E-05	6.02E-05
250	563520.8	4235051	9.46E-04	8.44E-04	1.61E-04	1.35E-04	7.64E-04	6.19E-04	1.25E-04	1.20E-04	9.35E-05	6.13E-05
251	563513.5	4235064	9.66E-04	8.62E-04	1.64E-04	1.38E-04	7.80E-04	6.32E-04	1.28E-04	1.23E-04	9.54E-05	6.26E-05
252	563506.1	4235077	9.90E-04	8.83E-04	1.68E-04	1.42E-04	7.99E-04	6.48E-04	1.31E-04	1.26E-04	9.78E-05	6.42E-05
253	563498.7	4235090	1.02E-03	9.06E-04	1.72E-04	1.45E-04	8.20E-04	6.65E-04	1.34E-04	1.29E-04	1.00E-04	6.58E-05
254	563491.3	4235103	1.04E-03	9.30E-04	1.77E-04	1.49E-04	8.42E-04	6.82E-04	1.38E-04	1.32E-04	1.03E-04	6.76E-05
255	563483.9	4235115	1.06E-03	9.49E-04	1.80E-04	1.52E-04	8.59E-04	6.96E-04	1.41E-04	1.35E-04	1.05E-04	6.89E-05
256	563476.5	4235128	1.09E-03	9.69E-04	1.84E-04	1.55E-04	8.77E-04	7.11E-04	1.44E-04	1.38E-04	1.07E-04	7.04E-05
257	563469.2	4235141	1.11E-03	9.87E-04	1.88E-04	1.58E-04	8.94E-04	7.24E-04	1.46E-04	1.40E-04	1.09E-04	7.17E-05
258	563461.8	4235154	1.12E-03	1.00E-03	1.90E-04	1.60E-04	9.05E-04	7.33E-04	1.48E-04	1.42E-04	1.11E-04	7.26E-05
259	563454.4	4235167	1.13E-03	1.01E-03	1.91E-04	1.61E-04	9.11E-04	7.38E-04	1.49E-04	1.43E-04	1.11E-04	7.31E-05
260	563511.7	4234802	1.09E-03	9.70E-04	1.84E-04	1.55E-04	8.78E-04	7.11E-04	1.44E-04	1.38E-04	1.07E-04	7.05E-05
261	563504.4	4234789	1.12E-03	9.98E-04	1.90E-04	1.60E-04	9.04E-04	7.32E-04	1.48E-04	1.42E-04	1.11E-04	7.25E-05
262	563551.6	4234797	9.04E-04	8.06E-04	1.53E-04	1.29E-04	7.30E-04	5.91E-04	1.19E-04	1.15E-04	8.92E-05	5.86E-05
263	563554	4234812	8.89E-04	7.93E-04	1.51E-04	1.27E-04	7.18E-04	5.82E-04	1.18E-04	1.13E-04	8.78E-05	5.76E-05
264	563556.4	4234827	8.80E-04	7.85E-04	1.49E-04	1.26E-04	7.10E-04	5.76E-04	1.16E-04	1.12E-04	8.69E-05	5.70E-05

265	563558.8	4234842	8.76E-04	7.82E-04	1.49E-04	1.25E-04	7.07E-04	5.73E-04	1.16E-04	1.11E-04	8.65E-05	5.68E-05
266	563561.1	4234857	8.68E-04	7.74E-04	1.47E-04	1.24E-04	7.01E-04	5.68E-04	1.15E-04	1.10E-04	8.57E-05	5.63E-05
267	563563.5	4234872	8.53E-04	7.61E-04	1.45E-04	1.22E-04	6.89E-04	5.58E-04	1.13E-04	1.08E-04	8.42E-05	5.53E-05
268	563565.9	4234887	8.40E-04	7.49E-04	1.42E-04	1.20E-04	6.78E-04	5.49E-04	1.11E-04	1.07E-04	8.29E-05	5.44E-05
269	563568.2	4234902	8.29E-04	7.40E-04	1.41E-04	1.19E-04	6.69E-04	5.43E-04	1.10E-04	1.05E-04	8.19E-05	5.37E-05
270	563570.6	4234917	8.21E-04	7.32E-04	1.39E-04	1.17E-04	6.63E-04	5.37E-04	1.09E-04	1.04E-04	8.11E-05	5.32E-05
271	563573	4234932	8.14E-04	7.26E-04	1.38E-04	1.16E-04	6.57E-04	5.33E-04	1.08E-04	1.03E-04	8.04E-05	5.28E-05
272	563575.3	4234946	8.07E-04	7.20E-04	1.37E-04	1.15E-04	6.52E-04	5.28E-04	1.07E-04	1.02E-04	7.97E-05	5.23E-05
273	563577.7	4234961	8.00E-04	7.14E-04	1.36E-04	1.14E-04	6.46E-04	5.24E-04	1.06E-04	1.02E-04	7.90E-05	5.18E-05
274	563580.1	4234976	7.90E-04	7.05E-04	1.34E-04	1.13E-04	6.38E-04	5.17E-04	1.04E-04	1.00E-04	7.80E-05	5.12E-05
275	563582.5	4234991	7.78E-04	6.94E-04	1.32E-04	1.11E-04	6.28E-04	5.09E-04	1.03E-04	9.87E-05	7.68E-05	5.04E-05
276	563584.8	4235006	7.63E-04	6.80E-04	1.29E-04	1.09E-04	6.16E-04	4.99E-04	1.01E-04	9.68E-05	7.53E-05	4.94E-05
277	563582.2	4235020	7.60E-04	6.78E-04	1.29E-04	1.09E-04	6.13E-04	4.97E-04	1.00E-04	9.64E-05	7.50E-05	4.92E-05
278	563574.7	4235033	7.69E-04	6.86E-04	1.30E-04	1.10E-04	6.21E-04	5.03E-04	1.02E-04	9.76E-05	7.59E-05	4.98E-05
279	563567.2	4235046	7.79E-04	6.95E-04	1.32E-04	1.11E-04	6.29E-04	5.09E-04	1.03E-04	9.88E-05	7.69E-05	5.05E-05
280	563559.7	4235059	7.90E-04	7.05E-04	1.34E-04	1.13E-04	6.38E-04	5.17E-04	1.04E-04	1.00E-04	7.80E-05	5.12E-05
281	563552.1	4235073	8.04E-04	7.17E-04	1.36E-04	1.15E-04	6.49E-04	5.26E-04	1.06E-04	1.02E-04	7.94E-05	5.21E-05
282	563544.6	4235086	8.20E-04	7.32E-04	1.39E-04	1.17E-04	6.62E-04	5.37E-04	1.09E-04	1.04E-04	8.10E-05	5.32E-05
283	563537.1	4235099	8.40E-04	7.49E-04	1.43E-04	1.20E-04	6.78E-04	5.50E-04	1.11E-04	1.07E-04	8.30E-05	5.44E-05
284	563522	4235125	8.85E-04	7.89E-04	1.50E-04	1.27E-04	7.14E-04	5.79E-04	1.17E-04	1.12E-04	8.74E-05	5.73E-05
285	563514.5	4235138	9.04E-04	8.07E-04	1.53E-04	1.29E-04	7.30E-04	5.92E-04	1.20E-04	1.15E-04	8.93E-05	5.86E-05
286	563506.9	4235151	9.21E-04	8.22E-04	1.56E-04	1.32E-04	7.44E-04	6.03E-04	1.22E-04	1.17E-04	9.10E-05	5.97E-05
287	563499.4	4235164	9.35E-04	8.34E-04	1.59E-04	1.34E-04	7.55E-04	6.12E-04	1.24E-04	1.19E-04	9.24E-05	6.06E-05
288	563491.9	4235177	9.46E-04	8.44E-04	1.61E-04	1.35E-04	7.64E-04	6.19E-04	1.25E-04	1.20E-04	9.34E-05	6.13E-05
289	563484.4	4235190	9.54E-04	8.51E-04	1.62E-04	1.36E-04	7.70E-04	6.24E-04	1.26E-04	1.21E-04	9.42E-05	6.18E-05
290	563476.8	4235203	9.58E-04	8.55E-04	1.63E-04	1.37E-04	7.74E-04	6.27E-04	1.27E-04	1.22E-04	9.46E-05	6.21E-05
291	563546.8	4234783	9.23E-04	8.24E-04	1.57E-04	1.32E-04	7.46E-04	6.04E-04	1.22E-04	1.17E-04	9.12E-05	5.98E-05
292	563539.5	4234770	9.40E-04	8.38E-04	1.59E-04	1.34E-04	7.59E-04	6.15E-04	1.24E-04	1.19E-04	9.28E-05	6.09E-05
293	563586.8	4234778	7.83E-04	6.98E-04	1.33E-04	1.12E-04	6.32E-04	5.12E-04	1.04E-04	9.93E-05	7.73E-05	5.07E-05
294	563589.1	4234793	7.74E-04	6.91E-04	1.31E-04	1.11E-04	6.25E-04	5.07E-04	1.02E-04	9.83E-05	7.65E-05	5.02E-05
295	563591.5	4234808	7.75E-04	6.91E-04	1.31E-04	1.11E-04	6.25E-04	5.07E-04	1.02E-04	9.83E-05	7.65E-05	5.02E-05
296	563593.8	4234822	7.71E-04	6.88E-04	1.31E-04	1.10E-04	6.23E-04	5.05E-04	1.02E-04	9.78E-05	7.61E-05	5.00E-05
297	563596.1	4234837	7.60E-04	6.78E-04	1.29E-04	1.09E-04	6.14E-04	4.98E-04	1.01E-04	9.65E-05	7.51E-05	4.93E-05
298	563598.5	4234852	7.49E-04	6.69E-04	1.27E-04	1.07E-04	6.05E-04	4.90E-04	9.91E-05	9.51E-05	7.40E-05	4.86E-05
299	563600.8	4234866	7.39E-04	6.59E-04	1.25E-04	1.06E-04	5.97E-04	4.84E-04	9.77E-05	9.38E-05	7.30E-05	4.79E-05
300	563603.1	4234881	7.30E-04	6.51E-04	1.24E-04	1.04E-04	5.89E-04	4.78E-04	9.65E-05	9.26E-05	7.21E-05	4.73E-05
301	563605.5	4234896	7.22E-04	6.44E-04	1.23E-04	1.03E-04	5.83E-04	4.73E-04	9.55E-05	9.16E-05	7.13E-05	4.68E-05
302	563607.8	4234910	7.16E-04	6.39E-04	1.21E-04	1.02E-04	5.78E-04	4.69E-04	9.47E-05	9.09E-05	7.07E-05	4.64E-05
303	563610.2	4234925	7.11E-04	6.34E-04	1.21E-04	1.02E-04	5.74E-04	4.65E-04	9.40E-05	9.02E-05	7.02E-05	4.61E-05
304	563612.5	4234940	7.05E-04	6.29E-04	1.20E-04	1.01E-04	5.70E-04	4.62E-04	9.33E-05	8.95E-05	6.97E-05	4.57E-05
305	563614.8	4234955	7.00E-04	6.24E-04	1.19E-04	1.00E-04	5.65E-04	4.58E-04	9.26E-05	8.88E-05	6.91E-05	4.54E-05
306	563617.2	4234969	6.93E-04	6.19E-04	1.18E-04	9.92E-05	5.60E-04	4.54E-04	9.17E-05	8.80E-05	6.85E-05	4.49E-05
307	563619.5	4234984	6.85E-04	6.11E-04	1.16E-04	9.79E-05	5.53E-04	4.48E-04	9.05E-05	8.69E-05	6.76E-05	4.44E-05
308	563621.8	4234999	6.73E-04	6.01E-04	1.14E-04	9.63E-05	5.44E-04	4.41E-04	8.91E-05	8.54E-05	6.65E-05	4.36E-05
309	563624.2	4235013	6.60E-04	5.89E-04	1.12E-04	9.44E-05	5.33E-04	4.32E-04	8.73E-05	8.38E-05	6.52E-05	4.28E-05
310	563621.6	4235027	6.56E-04	5.86E-04	1.11E-04	9.39E-05	5.30E-04	4.30E-04	8.68E-05	8.33E-05	6.48E-05	4.25E-05
311	563614.2	4235040	6.62E-04	5.91E-04	1.12E-04	9.47E-05	5.35E-04	4.33E-04	8.76E-05	8.41E-05	6.54E-05	4.29E-05
312	563606.8	4235053	6.68E-04	5.96E-04	1.13E-04	9.55E-05	5.39E-04	4.37E-04	8.83E-05	8.47E-05	6.59E-05	4.33E-05
313	563599.4	4235066	6.73E-04	6.00E-04	1.14E-04	9.62E-05	5.43E-04	4.40E-04	8.89E-05	8.53E-05	6.64E-05	4.36E-05
314	563591.9	4235079	6.80E-04	6.06E-04	1.15E-04	9.72E-05	5.49E-04	4.45E-04	8.99E-05	8.62E-05	6.71E-05	4.40E-05
315	563584.5	4235092	6.90E-04	6.16E-04	1.17E-04	9.87E-05	5.57E-04	4.52E-04	9.13E-05	8.76E-05	6.82E-05	4.47E-05
316	563577.1	4235105	7.03E-04	6.28E-04	1.19E-04	1.01E-04	5.68E-04	4.60E-04	9.30E-05	8.93E-05	6.95E-05	4.56E-05
317	563569.7	4235118	7.19E-04	6.41E-04	1.22E-04	1.03E-04	5.80E-04	4.70E-04	9.51E-05	9.12E-05	7.10E-05	4.66E-05
318	563554.8	4235144	7.52E-04	6.71E-04	1.28E-04	1.08E-04	6.07E-04	4.92E-04	9.95E-05	9.55E-05	7.43E-05	4.88E-05
319	563547.4	4235156	7.68E-04	6.85E-04	1.30E-04	1.10E-04	6.20E-04	5.03E-04	1.02E-04	9.75E-05	7.59E-05	4.98E-05
320	563540	4235169	7.82E-04	6.98E-04	1.33E-04	1.12E-04	6.31E-04	5.12E-04	1.03E-04	9.92E-05	7.72E-05	5.07E-05
321	563532.5	4235182	7.95E-04	7.09E-04	1.35E-04	1.14E-04	6.42E-04	5.20E-04	1.05E-04	1.01E-04	7.85E-05	5.15E-05
322	563525.1	4235195	8.05E-04	7.18E-04	1.37E-04	1.15E-04	6.50E-04	5.27E-04	1.06E-04	1.02E-04	7.95E-05	5.22E-05
323	563517.7	4235208	8.13E-04	7.25E-04	1.38E-04	1.16E-04	6.57E-04	5.32E-04	1.08E-04	1.03E-04	8.03E-05	5.27E-05
324	563510.3	4235221	8.19E-04	7.31E-04	1.39E-04	1.17E-04	6.61E-04	5.36E-04	1.08E-04	1.04E-04	8.09E-05	5.31E-05
325	563502.8	4235234	8.23E-04	7.34E-04	1.40E-04	1.18E-04	6.64E-04	5.39E-04	1.09E-04	1.04E-04	8.13E-05	5.33E-05
326	563582	4234764	8.04E-04	7.17E-04	1.36E-04	1.15E-04	6.49E-04	5.26E-04	1.06E-04	1.02E-04	7.94E-05	5.21E-05
327	563574.7	4234751	8.34E-04	7.44E-04	1.42E-04	1.19E-04	6.73E-04	5.46E-04	1.10E-04	1.06E-04	8.24E-05	5.41E-05
328	563622	4234759	7.08E-04	6.32E-04	1.20E-04	1.01E-04	5.72E-04	4.63E-04	9.36E-05	8.98E-05	6.99E-05	4.59E-05
329	563624.3	4234774	6.95E-04	6.20E-04	1.18E-04	9.94E-05	5.61E-04	4.55E-04	9.19E-05	8.82E-05	6.86E-05	4.50E-05
330	563626.7	4234789	6.83E-04	6.10E-04	1.16E-04	9.77E-05	5.52E-04	4.47E-04	9.04E-05	8.67E-05	6.75E-05	4.43E-05
331	563629.1	4234804	6.74E-04	6.01E-04	1.14E-04	9.63E-05	5.44E-04	4.41E-04	8.91E-05	8.55E-05	6.65E-05	4.37E-05

332	563631.4	4234819	6.65E-04	5.93E-04	1.13E-04	9.51E-05	5.37E-04	4.35E-04	8.79E-05	8.44E-05	6.57E-05	4.31E-05
333	563633.8	4234834	6.57E-04	5.86E-04	1.11E-04	9.39E-05	5.30E-04	4.30E-04	8.68E-05	8.33E-05	6.48E-05	4.26E-05
334	563636.2	4234849	6.50E-04	5.80E-04	1.10E-04	9.29E-05	5.25E-04	4.25E-04	8.59E-05	8.24E-05	6.42E-05	4.21E-05
335	563638.6	4234864	6.44E-04	5.74E-04	1.09E-04	9.21E-05	5.20E-04	4.21E-04	8.51E-05	8.17E-05	6.36E-05	4.17E-05
336	563640.9	4234879	6.39E-04	5.70E-04	1.08E-04	9.13E-05	5.16E-04	4.18E-04	8.45E-05	8.10E-05	6.31E-05	4.14E-05
337	563643.3	4234894	6.34E-04	5.66E-04	1.08E-04	9.07E-05	5.12E-04	4.15E-04	8.39E-05	8.05E-05	6.27E-05	4.11E-05
338	563645.7	4234909	6.31E-04	5.63E-04	1.07E-04	9.02E-05	5.09E-04	4.13E-04	8.34E-05	8.00E-05	6.23E-05	4.09E-05
339	563648.1	4234923	6.27E-04	5.59E-04	1.06E-04	8.97E-05	5.06E-04	4.10E-04	8.29E-05	7.96E-05	6.19E-05	4.06E-05
340	563650.4	4234938	6.23E-04	5.56E-04	1.06E-04	8.91E-05	5.03E-04	4.08E-04	8.24E-05	7.91E-05	6.16E-05	4.04E-05
341	563652.8	4234953	6.19E-04	5.52E-04	1.05E-04	8.85E-05	5.00E-04	4.05E-04	8.19E-05	7.86E-05	6.11E-05	4.01E-05
342	563655.2	4234968	6.14E-04	5.48E-04	1.04E-04	8.78E-05	4.96E-04	4.02E-04	8.12E-05	7.79E-05	6.06E-05	3.98E-05
343	563657.6	4234983	6.07E-04	5.41E-04	1.03E-04	8.67E-05	4.90E-04	3.97E-04	8.02E-05	7.70E-05	5.99E-05	3.93E-05
344	563659.9	4234998	5.97E-04	5.33E-04	1.01E-04	8.54E-05	4.82E-04	3.91E-04	7.90E-05	7.58E-05	5.90E-05	3.87E-05
345	563662.3	4235013	5.84E-04	5.21E-04	9.90E-05	8.34E-05	4.71E-04	3.82E-04	7.72E-05	7.40E-05	5.76E-05	3.78E-05
346	563660.9	4235035	5.69E-04	5.08E-04	9.66E-05	8.14E-05	4.60E-04	3.73E-04	7.53E-05	7.22E-05	5.62E-05	3.69E-05
347	563653.4	4235048	5.74E-04	5.12E-04	9.74E-05	8.21E-05	4.64E-04	3.76E-04	7.59E-05	7.29E-05	5.67E-05	3.72E-05
348	563645.8	4235061	5.77E-04	5.15E-04	9.80E-05	8.26E-05	4.66E-04	3.78E-04	7.64E-05	7.33E-05	5.70E-05	3.74E-05
349	563638.3	4235074	5.80E-04	5.17E-04	9.84E-05	8.30E-05	4.68E-04	3.80E-04	7.67E-05	7.36E-05	5.73E-05	3.76E-05
350	563630.7	4235087	5.83E-04	5.20E-04	9.90E-05	8.34E-05	4.71E-04	3.82E-04	7.71E-05	7.40E-05	5.76E-05	3.78E-05
351	563623.2	4235100	5.89E-04	5.26E-04	1.00E-04	8.43E-05	4.76E-04	3.86E-04	7.79E-05	7.48E-05	5.82E-05	3.82E-05
352	563615.7	4235113	5.99E-04	5.34E-04	1.02E-04	8.57E-05	4.84E-04	3.92E-04	7.92E-05	7.60E-05	5.92E-05	3.88E-05
353	563608.1	4235126	6.12E-04	5.46E-04	1.04E-04	8.76E-05	4.94E-04	4.01E-04	8.10E-05	7.77E-05	6.05E-05	3.97E-05
354	563600.6	4235140	6.26E-04	5.58E-04	1.06E-04	8.95E-05	5.05E-04	4.10E-04	8.28E-05	7.94E-05	6.18E-05	4.06E-05
355	563585.5	4235166	6.55E-04	5.84E-04	1.11E-04	9.37E-05	5.29E-04	4.29E-04	8.66E-05	8.31E-05	6.47E-05	4.24E-05
356	563578	4235179	6.70E-04	5.97E-04	1.14E-04	9.58E-05	5.41E-04	4.38E-04	8.85E-05	8.50E-05	6.61E-05	4.34E-05
357	563570.4	4235192	6.81E-04	6.08E-04	1.16E-04	9.75E-05	5.50E-04	4.46E-04	9.01E-05	8.65E-05	6.73E-05	4.42E-05
358	563562.9	4235205	6.91E-04	6.16E-04	1.17E-04	9.88E-05	5.58E-04	4.52E-04	9.14E-05	8.77E-05	6.82E-05	4.48E-05
359	563555.3	4235218	6.97E-04	6.22E-04	1.18E-04	9.97E-05	5.63E-04	4.56E-04	9.22E-05	8.85E-05	6.88E-05	4.52E-05
360	563547.8	4235231	7.03E-04	6.27E-04	1.19E-04	1.01E-04	5.68E-04	4.60E-04	9.30E-05	8.92E-05	6.94E-05	4.56E-05
361	563540.2	4235244	7.11E-04	6.35E-04	1.21E-04	1.02E-04	5.74E-04	4.65E-04	9.41E-05	9.03E-05	7.02E-05	4.61E-05
362	563532.7	4235258	7.19E-04	6.41E-04	1.22E-04	1.03E-04	5.81E-04	4.71E-04	9.51E-05	9.12E-05	7.10E-05	4.66E-05
363	563617.1	4234745	7.25E-04	6.46E-04	1.23E-04	1.04E-04	5.85E-04	4.74E-04	9.58E-05	9.19E-05	7.16E-05	4.70E-05
364	563609.9	4234732	7.46E-04	6.65E-04	1.27E-04	1.07E-04	6.02E-04	4.88E-04	9.86E-05	9.47E-05	7.37E-05	4.83E-05
365	563657.1	4234740	6.33E-04	5.65E-04	1.07E-04	9.05E-05	5.11E-04	4.14E-04	8.37E-05	8.03E-05	6.25E-05	4.10E-05
366	563659.4	4234755	6.19E-04	5.52E-04	1.05E-04	8.85E-05	5.00E-04	4.05E-04	8.19E-05	7.85E-05	6.11E-05	4.01E-05
367	563661.8	4234769	6.08E-04	5.42E-04	1.03E-04	8.69E-05	4.91E-04	3.98E-04	8.03E-05	7.71E-05	6.00E-05	3.94E-05
368	563664.1	4234784	5.97E-04	5.33E-04	1.01E-04	8.54E-05	4.82E-04	3.91E-04	7.90E-05	7.58E-05	5.90E-05	3.87E-05
369	563666.5	4234799	5.87E-04	5.23E-04	9.95E-05	8.39E-05	4.74E-04	3.84E-04	7.76E-05	7.44E-05	5.79E-05	3.80E-05
370	563668.8	4234814	5.78E-04	5.15E-04	9.80E-05	8.26E-05	4.66E-04	3.78E-04	7.64E-05	7.33E-05	5.71E-05	3.74E-05
371	563671.2	4234829	5.71E-04	5.10E-04	9.69E-05	8.17E-05	4.61E-04	3.74E-04	7.56E-05	7.25E-05	5.64E-05	3.70E-05
372	563673.5	4234843	5.67E-04	5.06E-04	9.62E-05	8.11E-05	4.58E-04	3.71E-04	7.50E-05	7.19E-05	5.60E-05	3.67E-05
373	563675.9	4234858	5.64E-04	5.03E-04	9.56E-05	8.06E-05	4.55E-04	3.69E-04	7.45E-05	7.15E-05	5.57E-05	3.65E-05
374	563678.2	4234873	5.62E-04	5.01E-04	9.53E-05	8.03E-05	4.53E-04	3.67E-04	7.43E-05	7.13E-05	5.55E-05	3.64E-05
375	563680.6	4234888	5.60E-04	5.00E-04	9.51E-05	8.01E-05	4.52E-04	3.67E-04	7.41E-05	7.11E-05	5.53E-05	3.63E-05
376	563682.9	4234902	5.59E-04	4.99E-04	9.49E-05	8.00E-05	4.52E-04	3.66E-04	7.40E-05	7.10E-05	5.52E-05	3.62E-05
377	563685.3	4234917	5.58E-04	4.98E-04	9.47E-05	7.98E-05	4.51E-04	3.65E-04	7.38E-05	7.08E-05	5.51E-05	3.62E-05
378	563687.6	4234932	5.56E-04	4.96E-04	9.44E-05	7.95E-05	4.49E-04	3.64E-04	7.35E-05	7.06E-05	5.49E-05	3.60E-05
379	563689.9	4234947	5.54E-04	4.94E-04	9.40E-05	7.92E-05	4.47E-04	3.63E-04	7.33E-05	7.03E-05	5.47E-05	3.59E-05
380	563692.3	4234961	5.51E-04	4.92E-04	9.35E-05	7.88E-05	4.45E-04	3.61E-04	7.29E-05	6.99E-05	5.44E-05	3.57E-05
381	563694.6	4234976	5.45E-04	4.86E-04	9.25E-05	7.79E-05	4.40E-04	3.57E-04	7.21E-05	6.91E-05	5.38E-05	3.53E-05
382	563697	4234991	5.35E-04	4.77E-04	9.07E-05	7.65E-05	4.32E-04	3.50E-04	7.07E-05	6.78E-05	5.28E-05	3.46E-05
383	563699.3	4235006	5.26E-04	4.69E-04	8.92E-05	7.52E-05	4.24E-04	3.44E-04	6.95E-05	6.67E-05	5.19E-05	3.41E-05
384	563701.7	4235021	5.17E-04	4.61E-04	8.77E-05	7.39E-05	4.17E-04	3.38E-04	6.84E-05	6.56E-05	5.11E-05	3.35E-05
385	563700.3	4235042	5.08E-04	4.53E-04	8.62E-05	7.26E-05	4.10E-04	3.32E-04	6.71E-05	6.44E-05	5.01E-05	3.29E-05
386	563692.8	4235055	5.09E-04	4.54E-04	8.63E-05	7.27E-05	4.11E-04	3.33E-04	6.73E-05	6.45E-05	5.02E-05	3.30E-05
387	563685.4	4235068	5.08E-04	4.53E-04	8.63E-05	7.27E-05	4.10E-04	3.33E-04	6.72E-05	6.45E-05	5.02E-05	3.29E-05
388	563677.9	4235081	5.08E-04	4.53E-04	8.61E-05	7.26E-05	4.10E-04	3.32E-04	6.71E-05	6.44E-05	5.01E-05	3.29E-05
389	563670.5	4235094	5.08E-04	4.54E-04	8.63E-05	7.27E-05	4.10E-04	3.33E-04	6.72E-05	6.45E-05	5.02E-05	3.29E-05
390	563663	4235107	5.12E-04	4.57E-04	8.69E-05	7.32E-05	4.13E-04	3.35E-04	6.77E-05	6.50E-05	5.06E-05	3.32E-05
391	563655.6	4235120	5.16E-04	4.61E-04	8.76E-05	7.39E-05	4.17E-04	3.38E-04	6.83E-05	6.55E-05	5.10E-05	3.35E-05
392	563648.1	4235133	5.24E-04	4.67E-04	8.89E-05	7.49E-05	4.23E-04	3.43E-04	6.93E-05	6.65E-05	5.17E-05	3.40E-05
393	563640.7	4235146	5.36E-04	4.78E-04	9.09E-05	7.66E-05	4.33E-04	3.51E-04	7.08E-05	6.80E-05	5.29E-05	3.47E-05
394	563633.2	4235158	5.48E-04	4.89E-04	9.30E-05	7.84E-05	4.42E-04	3.59E-04	7.25E-05	6.95E-05	5.41E-05	3.55E-05
395	563618.3	4235184	5.70E-04	5.09E-04	9.68E-05	8.16E-05	4.61E-04	3.73E-04	7.54E-05	7.24E-05	5.63E-05	3.70E-05
396	563610.8	4235197	5.82E-04	5.19E-04	9.87E-05	8.32E-05	4.70E-04	3.81E-04	7.70E-05	7.38E-05	5.75E-05	3.77E-05
397	563603.4	4235210	5.92E-04	5.28E-04	1.00E-04	8.46E-05	4.78E-04	3.87E-04	7.82E-05	7.51E-05	5.84E-05	3.83E-05
398	563595.9	4235223	6.00E-04	5.36E-04	1.02E-04	8.59E-05	4.85E-04	3.93E-04	7.94E-05	7.62E-05	5.93E-05	3.89E-05

399	563588.5	4235236	6.07E-04	5.41E-04	1.03E-04	8.68E-05	4.90E-04	3.97E-04	8.02E-05	7.70E-05	5.99E-05	3.93E-05
400	563581	4235249	6.15E-04	5.48E-04	1.04E-04	8.79E-05	4.96E-04	4.02E-04	8.13E-05	7.80E-05	6.07E-05	3.98E-05
401	563573.6	4235262	6.23E-04	5.56E-04	1.06E-04	8.91E-05	5.03E-04	4.08E-04	8.24E-05	7.91E-05	6.15E-05	4.04E-05
402	563566.1	4235275	6.35E-04	5.66E-04	1.08E-04	9.08E-05	5.13E-04	4.15E-04	8.40E-05	8.06E-05	6.27E-05	4.11E-05
403	563558.7	4235288	6.45E-04	5.76E-04	1.10E-04	9.23E-05	5.21E-04	4.22E-04	8.54E-05	8.19E-05	6.37E-05	4.18E-05
404	563652.3	4234726	6.54E-04	5.83E-04	1.11E-04	9.35E-05	5.28E-04	4.28E-04	8.64E-05	8.29E-05	6.45E-05	4.24E-05
405	563645	4234712	6.78E-04	6.05E-04	1.15E-04	9.70E-05	5.48E-04	4.44E-04	8.97E-05	8.61E-05	6.70E-05	4.40E-05
406	563692.3	4234721	5.70E-04	5.09E-04	9.67E-05	8.15E-05	4.60E-04	3.73E-04	7.54E-05	7.23E-05	5.63E-05	3.69E-05
407	563694.6	4234736	5.56E-04	4.96E-04	9.43E-05	7.95E-05	4.49E-04	3.64E-04	7.35E-05	7.05E-05	5.49E-05	3.60E-05
408	563697	4234751	5.42E-04	4.83E-04	9.20E-05	7.75E-05	4.38E-04	3.55E-04	7.17E-05	6.88E-05	5.35E-05	3.51E-05
409	563699.4	4234766	5.32E-04	4.74E-04	9.02E-05	7.60E-05	4.29E-04	3.48E-04	7.03E-05	6.75E-05	5.25E-05	3.45E-05
410	563701.8	4234781	5.23E-04	4.67E-04	8.88E-05	7.48E-05	4.22E-04	3.42E-04	6.92E-05	6.64E-05	5.17E-05	3.39E-05
411	563704.1	4234796	5.13E-04	4.58E-04	8.70E-05	7.33E-05	4.14E-04	3.36E-04	6.78E-05	6.51E-05	5.06E-05	3.32E-05
412	563706.5	4234811	5.03E-04	4.48E-04	8.53E-05	7.19E-05	4.06E-04	3.29E-04	6.65E-05	6.38E-05	4.96E-05	3.26E-05
413	563708.9	4234826	4.95E-04	4.42E-04	8.41E-05	7.08E-05	4.00E-04	3.24E-04	6.55E-05	6.29E-05	4.89E-05	3.21E-05
414	563711.3	4234841	4.91E-04	4.38E-04	8.34E-05	7.03E-05	3.97E-04	3.22E-04	6.50E-05	6.24E-05	4.85E-05	3.18E-05
415	563713.7	4234856	4.91E-04	4.38E-04	8.33E-05	7.02E-05	3.96E-04	3.21E-04	6.49E-05	6.23E-05	4.85E-05	3.18E-05
416	563716	4234871	4.93E-04	4.40E-04	8.36E-05	7.05E-05	3.98E-04	3.22E-04	6.52E-05	6.25E-05	4.87E-05	3.19E-05
417	563718.4	4234886	4.93E-04	4.40E-04	8.37E-05	7.05E-05	3.98E-04	3.23E-04	6.52E-05	6.26E-05	4.87E-05	3.20E-05
418	563720.8	4234900	4.91E-04	4.38E-04	8.34E-05	7.03E-05	3.97E-04	3.21E-04	6.50E-05	6.23E-05	4.85E-05	3.18E-05
419	563723.2	4234915	4.90E-04	4.37E-04	8.32E-05	7.01E-05	3.96E-04	3.21E-04	6.48E-05	6.22E-05	4.84E-05	3.18E-05
420	563725.5	4234930	4.91E-04	4.38E-04	8.33E-05	7.02E-05	3.96E-04	3.21E-04	6.49E-05	6.23E-05	4.85E-05	3.18E-05
421	563727.9	4234945	4.91E-04	4.38E-04	8.33E-05	7.02E-05	3.96E-04	3.21E-04	6.49E-05	6.23E-05	4.85E-05	3.18E-05
422	563730.3	4234960	4.90E-04	4.37E-04	8.31E-05	7.01E-05	3.96E-04	3.21E-04	6.48E-05	6.22E-05	4.84E-05	3.17E-05
423	563732.7	4234975	4.88E-04	4.35E-04	8.27E-05	6.97E-05	3.94E-04	3.19E-04	6.45E-05	6.19E-05	4.82E-05	3.16E-05
424	563735	4234990	4.84E-04	4.32E-04	8.21E-05	6.92E-05	3.91E-04	3.17E-04	6.40E-05	6.14E-05	4.78E-05	3.14E-05
425	563737.4	4235005	4.77E-04	4.25E-04	8.09E-05	6.82E-05	3.85E-04	3.12E-04	6.31E-05	6.05E-05	4.71E-05	3.09E-05
426	563739.8	4235020	4.66E-04	4.16E-04	7.91E-05	6.67E-05	3.77E-04	3.05E-04	6.17E-05	5.92E-05	4.61E-05	3.02E-05
427	563742.2	4235035	4.56E-04	4.07E-04	7.73E-05	6.52E-05	3.68E-04	2.98E-04	6.03E-05	5.78E-05	4.50E-05	2.95E-05
428	563739.6	4235049	4.53E-04	4.04E-04	7.69E-05	6.48E-05	3.66E-04	2.96E-04	5.99E-05	5.75E-05	4.47E-05	2.94E-05
429	563732	4235062	4.56E-04	4.07E-04	7.74E-05	6.52E-05	3.68E-04	2.98E-04	6.03E-05	5.79E-05	4.50E-05	2.95E-05
430	563724.5	4235075	4.57E-04	4.08E-04	7.76E-05	6.54E-05	3.69E-04	2.99E-04	6.05E-05	5.80E-05	4.51E-05	2.96E-05
431	563716.9	4235089	4.55E-04	4.06E-04	7.72E-05	6.51E-05	3.68E-04	2.98E-04	6.02E-05	5.78E-05	4.50E-05	2.95E-05
432	563709.4	4235102	4.53E-04	4.04E-04	7.69E-05	6.48E-05	3.66E-04	2.96E-04	5.99E-05	5.75E-05	4.47E-05	2.94E-05
433	563701.8	4235115	4.51E-04	4.03E-04	7.66E-05	6.46E-05	3.65E-04	2.95E-04	5.97E-05	5.73E-05	4.46E-05	2.93E-05
434	563694.3	4235128	4.54E-04	4.05E-04	7.70E-05	6.49E-05	3.66E-04	2.97E-04	6.00E-05	5.76E-05	4.48E-05	2.94E-05
435	563686.7	4235141	4.58E-04	4.09E-04	7.77E-05	6.55E-05	3.70E-04	3.00E-04	6.06E-05	5.81E-05	4.52E-05	2.97E-05
436	563679.2	4235154	4.65E-04	4.15E-04	7.90E-05	6.66E-05	3.76E-04	3.05E-04	6.15E-05	5.91E-05	4.60E-05	3.02E-05
437	563671.6	4235167	4.76E-04	4.24E-04	8.07E-05	6.80E-05	3.84E-04	3.11E-04	6.29E-05	6.03E-05	4.70E-05	3.08E-05
438	563649	4235207	5.07E-04	4.52E-04	8.60E-05	7.25E-05	4.09E-04	3.32E-04	6.70E-05	6.43E-05	5.00E-05	3.28E-05
439	563641.4	4235220	5.17E-04	4.61E-04	8.77E-05	7.39E-05	4.17E-04	3.38E-04	6.84E-05	6.56E-05	5.11E-05	3.35E-05
440	563633.9	4235233	5.26E-04	4.69E-04	8.92E-05	7.52E-05	4.25E-04	3.44E-04	6.95E-05	6.67E-05	5.19E-05	3.41E-05
441	563626.3	4235246	5.35E-04	4.77E-04	9.07E-05	7.65E-05	4.32E-04	3.50E-04	7.07E-05	6.78E-05	5.28E-05	3.46E-05
442	563618.8	4235259	5.42E-04	4.83E-04	9.19E-05	7.75E-05	4.38E-04	3.55E-04	7.17E-05	6.88E-05	5.35E-05	3.51E-05
443	563611.2	4235272	5.49E-04	4.90E-04	9.31E-05	7.85E-05	4.43E-04	3.59E-04	7.26E-05	6.96E-05	5.42E-05	3.56E-05
444	563603.7	4235285	5.57E-04	4.97E-04	9.46E-05	7.97E-05	4.50E-04	3.65E-04	7.37E-05	7.07E-05	5.50E-05	3.61E-05
445	563596.1	4235299	5.70E-04	5.08E-04	9.66E-05	8.15E-05	4.60E-04	3.73E-04	7.53E-05	7.23E-05	5.62E-05	3.69E-05
446	563588.6	4235312	5.82E-04	5.19E-04	9.87E-05	8.32E-05	4.70E-04	3.81E-04	7.69E-05	7.38E-05	5.75E-05	3.77E-05
447	563581	4235325	5.91E-04	5.27E-04	1.00E-04	8.45E-05	4.77E-04	3.87E-04	7.82E-05	7.50E-05	5.84E-05	3.83E-05
448	563687.4	4234707	5.89E-04	5.26E-04	1.00E-04	8.43E-05	4.76E-04	3.86E-04	7.79E-05	7.48E-05	5.82E-05	3.82E-05
449	563680.2	4234693	6.13E-04	5.47E-04	1.04E-04	8.77E-05	4.95E-04	4.01E-04	8.11E-05	7.78E-05	6.05E-05	3.97E-05
450	563727.4	4234702	5.17E-04	4.61E-04	8.77E-05	7.39E-05	4.17E-04	3.38E-04	6.83E-05	6.56E-05	5.10E-05	3.35E-05
451	563729.8	4234717	5.04E-04	4.50E-04	8.55E-05	7.21E-05	4.07E-04	3.30E-04	6.66E-05	6.39E-05	4.98E-05	3.27E-05
452	563732.1	4234731	4.91E-04	4.38E-04	8.34E-05	7.03E-05	3.97E-04	3.21E-04	6.50E-05	6.23E-05	4.85E-05	3.18E-05
453	563734.5	4234746	4.79E-04	4.27E-04	8.13E-05	6.85E-05	3.87E-04	3.13E-04	6.34E-05	6.08E-05	4.73E-05	3.10E-05
454	563736.8	4234761	4.68E-04	4.18E-04	7.95E-05	6.70E-05	3.78E-04	3.07E-04	6.19E-05	5.94E-05	4.63E-05	3.04E-05
455	563739.2	4234776	4.60E-04	4.10E-04	7.80E-05	6.58E-05	3.71E-04	3.01E-04	6.08E-05	5.84E-05	4.54E-05	2.98E-05
456	563741.5	4234791	4.51E-04	4.02E-04	7.65E-05	6.45E-05	3.64E-04	2.95E-04	5.96E-05	5.72E-05	4.45E-05	2.92E-05
457	563743.9	4234805	4.42E-04	3.94E-04	7.49E-05	6.31E-05	3.56E-04	2.89E-04	5.84E-05	5.60E-05	4.36E-05	2.86E-05
458	563746.2	4234820	4.35E-04	3.88E-04	7.38E-05	6.22E-05	3.51E-04	2.84E-04	5.75E-05	5.52E-05	4.29E-05	2.82E-05
459	563748.6	4234835	4.31E-04	3.84E-04	7.31E-05	6.16E-05	3.48E-04	2.82E-04	5.70E-05	5.47E-05	4.26E-05	2.79E-05
460	563756.5	4235095	4.04E-04	3.61E-04	6.86E-05	5.78E-05	3.26E-04	2.65E-04	5.35E-05	5.13E-05	3.99E-05	2.62E-05
461	563749.1	4235108	4.03E-04	3.60E-04	6.84E-05	5.77E-05	3.26E-04	2.64E-04	5.33E-05	5.12E-05	3.98E-05	2.61E-05
462	563741.6	4235121	4.04E-04	3.60E-04	6.85E-05	5.77E-05	3.26E-04	2.64E-04	5.34E-05	5.12E-05	3.99E-05	2.62E-05
463	563734.1	4235134	4.04E-04	3.61E-04	6.86E-05	5.78E-05	3.26E-04	2.64E-04	5.34E-05	5.13E-05	3.99E-05	2.62E-05
464	563726.6	4235147	4.05E-04	3.61E-04	6.87E-05	5.79E-05	3.27E-04	2.65E-04	5.35E-05	5.14E-05	4.00E-05	2.62E-05
465	563719.2	4235160	4.09E-04	3.65E-04	6.94E-05	5.85E-05	3.30E-04	2.68E-04	5.41E-05	5.19E-05	4.04E-05	2.65E-05

466	563711.7	4235173	4.16E-04	3.71E-04	7.06E-05	5.95E-05	3.36E-04	2.72E-04	5.50E-05	5.28E-05	4.11E-05	2.70E-05
467	563704.2	4235186	4.25E-04	3.79E-04	7.21E-05	6.08E-05	3.43E-04	2.78E-04	5.62E-05	5.39E-05	4.20E-05	2.75E-05
468	563689.3	4235212	4.40E-04	3.93E-04	7.47E-05	6.30E-05	3.56E-04	2.88E-04	5.82E-05	5.59E-05	4.35E-05	2.85E-05
469	563681.8	4235225	4.50E-04	4.02E-04	7.64E-05	6.44E-05	3.63E-04	2.95E-04	5.95E-05	5.71E-05	4.45E-05	2.92E-05
470	563674.3	4235238	4.60E-04	4.10E-04	7.81E-05	6.58E-05	3.72E-04	3.01E-04	6.09E-05	5.84E-05	4.54E-05	2.98E-05
471	563666.8	4235251	4.70E-04	4.19E-04	7.98E-05	6.72E-05	3.80E-04	3.08E-04	6.22E-05	5.96E-05	4.64E-05	3.05E-05
472	563659.4	4235264	4.79E-04	4.28E-04	8.13E-05	6.85E-05	3.87E-04	3.14E-04	6.34E-05	6.08E-05	4.73E-05	3.11E-05
473	563651.9	4235277	4.88E-04	4.35E-04	8.27E-05	6.97E-05	3.94E-04	3.19E-04	6.45E-05	6.19E-05	4.82E-05	3.16E-05
474	563644.4	4235290	4.95E-04	4.42E-04	8.41E-05	7.08E-05	4.00E-04	3.24E-04	6.55E-05	6.29E-05	4.89E-05	3.21E-05
475	563636.9	4235303	5.03E-04	4.49E-04	8.54E-05	7.20E-05	4.06E-04	3.29E-04	6.66E-05	6.39E-05	4.97E-05	3.26E-05
476	563629.5	4235316	5.12E-04	4.57E-04	8.69E-05	7.32E-05	4.13E-04	3.35E-04	6.77E-05	6.50E-05	5.06E-05	3.32E-05
477	563622	4235329	5.20E-04	4.64E-04	8.83E-05	7.44E-05	4.20E-04	3.41E-04	6.88E-05	6.60E-05	5.14E-05	3.37E-05
478	563614.5	4235342	5.27E-04	4.70E-04	8.95E-05	7.54E-05	4.26E-04	3.45E-04	6.97E-05	6.69E-05	5.21E-05	3.42E-05
479	563607.1	4235355	5.32E-04	4.75E-04	9.03E-05	7.61E-05	4.30E-04	3.48E-04	7.04E-05	6.75E-05	5.25E-05	3.45E-05
480	563722.6	4234688	5.32E-04	4.75E-04	9.03E-05	7.61E-05	4.30E-04	3.48E-04	7.04E-05	6.76E-05	5.26E-05	3.45E-05
481	563807.8	4234967	3.96E-04	3.53E-04	6.72E-05	5.66E-05	3.20E-04	2.59E-04	5.23E-05	5.02E-05	3.91E-05	2.57E-05
482	563810.1	4234982	3.95E-04	3.53E-04	6.71E-05	5.65E-05	3.19E-04	2.59E-04	5.23E-05	5.01E-05	3.90E-05	2.56E-05
483	563812.5	4234997	3.93E-04	3.51E-04	6.67E-05	5.62E-05	3.17E-04	2.57E-04	5.20E-05	4.99E-05	3.88E-05	2.55E-05
484	563814.9	4235012	3.90E-04	3.48E-04	6.61E-05	5.57E-05	3.15E-04	2.55E-04	5.15E-05	4.94E-05	3.85E-05	2.52E-05
485	563817.3	4235027	3.85E-04	3.43E-04	6.53E-05	5.50E-05	3.11E-04	2.52E-04	5.09E-05	4.88E-05	3.80E-05	2.49E-05
486	563819.7	4235042	3.78E-04	3.38E-04	6.42E-05	5.41E-05	3.06E-04	2.48E-04	5.00E-05	4.80E-05	3.74E-05	2.45E-05
487	563818.3	4235064	3.73E-04	3.33E-04	6.33E-05	5.34E-05	3.01E-04	2.44E-04	4.93E-05	4.73E-05	3.68E-05	2.42E-05
488	563810.7	4235077	3.74E-04	3.34E-04	6.35E-05	5.35E-05	3.02E-04	2.45E-04	4.95E-05	4.75E-05	3.70E-05	2.43E-05
489	563757.8	4235169	3.67E-04	3.28E-04	6.24E-05	5.26E-05	2.97E-04	2.40E-04	4.86E-05	4.66E-05	3.63E-05	2.38E-05
490	563750.3	4235182	3.71E-04	3.31E-04	6.30E-05	5.31E-05	3.00E-04	2.43E-04	4.91E-05	4.71E-05	3.67E-05	2.41E-05
491	563742.7	4235195	3.77E-04	3.36E-04	6.39E-05	5.39E-05	3.04E-04	2.47E-04	4.98E-05	4.78E-05	3.72E-05	2.44E-05
492	563735.1	4235208	3.84E-04	3.42E-04	6.51E-05	5.49E-05	3.10E-04	2.51E-04	5.07E-05	4.87E-05	3.79E-05	2.49E-05
493	563720	4235234	3.97E-04	3.54E-04	6.74E-05	5.68E-05	3.21E-04	2.60E-04	5.25E-05	5.04E-05	3.92E-05	2.57E-05
494	563712.5	4235248	4.05E-04	3.62E-04	6.88E-05	5.80E-05	3.27E-04	2.65E-04	5.36E-05	5.14E-05	4.00E-05	2.63E-05
495	563704.9	4235261	4.14E-04	3.69E-04	7.03E-05	5.92E-05	3.34E-04	2.71E-04	5.48E-05	5.25E-05	4.09E-05	2.68E-05
496	563697.4	4235274	4.23E-04	3.77E-04	7.17E-05	6.05E-05	3.41E-04	2.77E-04	5.59E-05	5.36E-05	4.18E-05	2.74E-05
497	563689.8	4235287	4.31E-04	3.85E-04	7.32E-05	6.17E-05	3.48E-04	2.82E-04	5.70E-05	5.47E-05	4.26E-05	2.80E-05
498	563682.3	4235300	4.40E-04	3.92E-04	7.46E-05	6.29E-05	3.55E-04	2.88E-04	5.81E-05	5.58E-05	4.34E-05	2.85E-05
499	563674.7	4235313	4.48E-04	3.99E-04	7.59E-05	6.40E-05	3.61E-04	2.93E-04	5.92E-05	5.68E-05	4.42E-05	2.90E-05
500	563667.1	4235326	4.55E-04	4.06E-04	7.72E-05	6.51E-05	3.67E-04	2.98E-04	6.02E-05	5.77E-05	4.49E-05	2.95E-05
501	563659.6	4235340	4.63E-04	4.13E-04	7.86E-05	6.62E-05	3.74E-04	3.03E-04	6.13E-05	5.88E-05	4.57E-05	3.00E-05
502	563652	4235353	4.70E-04	4.19E-04	7.97E-05	6.72E-05	3.79E-04	3.07E-04	6.21E-05	5.96E-05	4.64E-05	3.05E-05
503	563644.5	4235366	4.75E-04	4.24E-04	8.06E-05	6.79E-05	3.84E-04	3.11E-04	6.28E-05	6.03E-05	4.69E-05	3.08E-05
504	563636.9	4235379	4.79E-04	4.27E-04	8.12E-05	6.84E-05	3.86E-04	3.13E-04	6.33E-05	6.07E-05	4.73E-05	3.10E-05
505	563804.8	4234708	4.17E-04	3.72E-04	7.07E-05	5.96E-05	3.37E-04	2.73E-04	5.51E-05	5.29E-05	4.12E-05	2.70E-05
506	563807.2	4234723	4.07E-04	3.63E-04	6.90E-05	5.82E-05	3.28E-04	2.66E-04	5.38E-05	5.16E-05	4.02E-05	2.64E-05
507	563809.5	4234738	3.96E-04	3.53E-04	6.71E-05	5.66E-05	3.19E-04	2.59E-04	5.23E-05	5.02E-05	3.91E-05	2.56E-05
508	563811.9	4234753	3.85E-04	3.43E-04	6.52E-05	5.50E-05	3.10E-04	2.52E-04	5.09E-05	4.88E-05	3.80E-05	2.49E-05
509	563814.2	4234768	3.71E-04	3.31E-04	6.30E-05	5.31E-05	3.00E-04	2.43E-04	4.91E-05	4.71E-05	3.67E-05	2.41E-05
510	563816.6	4234782	3.58E-04	3.19E-04	6.07E-05	5.12E-05	2.89E-04	2.34E-04	4.73E-05	4.54E-05	3.54E-05	2.32E-05
511	563818.9	4234797	3.49E-04	3.11E-04	5.91E-05	4.98E-05	2.81E-04	2.28E-04	4.61E-05	4.42E-05	3.44E-05	2.26E-05
512	563821.3	4234812	3.42E-04	3.05E-04	5.80E-05	4.89E-05	2.76E-04	2.24E-04	4.52E-05	4.34E-05	3.37E-05	2.21E-05
513	563823.7	4234827	3.36E-04	2.99E-04	5.69E-05	4.80E-05	2.71E-04	2.20E-04	4.44E-05	4.26E-05	3.31E-05	2.17E-05
514	563826	4234842	3.30E-04	2.94E-04	5.60E-05	4.72E-05	2.66E-04	2.16E-04	4.36E-05	4.19E-05	3.26E-05	2.14E-05
515	563828.4	4234857	3.27E-04	2.92E-04	5.55E-05	4.68E-05	2.64E-04	2.14E-04	4.33E-05	4.15E-05	3.23E-05	2.12E-05
516	563830.7	4234871	3.27E-04	2.92E-04	5.55E-05	4.67E-05	2.64E-04	2.14E-04	4.32E-05	4.15E-05	3.23E-05	2.12E-05
517	563833.1	4234886	2.97E-04	2.65E-04	5.05E-05	4.25E-05	2.40E-04	1.95E-04	3.93E-05	3.77E-05	2.94E-05	1.93E-05
518	563835.4	4234901	2.98E-04	2.66E-04	5.06E-05	4.27E-05	2.41E-04	1.95E-04	3.95E-05	3.79E-05	2.95E-05	1.93E-05
519	563837.8	4234916	3.01E-04	2.68E-04	5.10E-05	4.30E-05	2.43E-04	1.97E-04	3.97E-05	3.81E-05	2.97E-05	1.95E-05
520	563840.2	4234931	3.03E-04	2.70E-04	5.14E-05	4.33E-05	2.45E-04	1.98E-04	4.00E-05	3.84E-05	2.99E-05	1.96E-05
521	563842.5	4234946	3.05E-04	2.72E-04	5.17E-05	4.36E-05	2.46E-04	2.00E-04	4.03E-05	3.87E-05	3.01E-05	1.98E-05
522	563844.9	4234960	3.07E-04	2.74E-04	5.21E-05	4.39E-05	2.48E-04	2.01E-04	4.06E-05	3.90E-05	3.03E-05	1.99E-05
523	563847.2	4234975	3.09E-04	2.76E-04	5.24E-05	4.42E-05	2.49E-04	2.02E-04	4.09E-05	3.92E-05	3.05E-05	2.00E-05
524	563849.6	4234990	3.08E-04	2.74E-04	5.22E-05	4.40E-05	2.48E-04	2.01E-04	4.07E-05	3.90E-05	3.04E-05	1.99E-05
525	563851.9	4235005	3.05E-04	2.72E-04	5.18E-05	4.37E-05	2.47E-04	2.00E-04	4.04E-05	3.87E-05	3.02E-05	1.98E-05
526	563854.3	4235020	3.04E-04	2.71E-04	5.15E-05	4.34E-05	2.45E-04	1.99E-04	4.01E-05	3.85E-05	3.00E-05	1.97E-05
527	563856.7	4235035	3.01E-04	2.68E-04	5.10E-05	4.30E-05	2.43E-04	1.97E-04	3.98E-05	3.82E-05	2.97E-05	1.95E-05
528	563859	4235049	2.97E-04	2.65E-04	5.04E-05	4.25E-05	2.40E-04	1.94E-04	3.93E-05	3.77E-05	2.93E-05	1.93E-05
529	563857.6	4235071	2.97E-04	2.65E-04	5.04E-05	4.25E-05	2.40E-04	1.94E-04	3.93E-05	3.77E-05	2.93E-05	1.92E-05
530	563850.1	4235084	3.04E-04	2.71E-04	5.16E-05	4.35E-05	2.46E-04	1.99E-04	4.02E-05	3.86E-05	3.00E-05	1.97E-05
531	563842.7	4235097	3.16E-04	2.82E-04	5.37E-05	4.52E-05	2.55E-04	2.07E-04	4.18E-05	4.01E-05	3.12E-05	2.05E-05
532	563835.2	4235110	3.40E-04	3.04E-04	5.78E-05	4.87E-05	2.75E-04	2.23E-04	4.50E-05	4.32E-05	3.36E-05	2.21E-05

533	563827.7	4235123	3.40E-04	3.04E-04	5.77E-05	4.87E-05	2.75E-04	2.23E-04	4.50E-05	4.32E-05	3.36E-05	2.21E-05
534	563820.2	4235136	3.40E-04	3.03E-04	5.76E-05	4.86E-05	2.74E-04	2.22E-04	4.49E-05	4.31E-05	3.35E-05	2.20E-05
535	563812.7	4235149	3.37E-04	3.01E-04	5.73E-05	4.83E-05	2.72E-04	2.21E-04	4.46E-05	4.28E-05	3.33E-05	2.19E-05
536	563752.8	4235253	3.59E-04	3.21E-04	6.10E-05	5.14E-05	2.90E-04	2.35E-04	4.75E-05	4.56E-05	3.55E-05	2.33E-05
537	563745.3	4235266	3.67E-04	3.27E-04	6.22E-05	5.24E-05	2.96E-04	2.40E-04	4.85E-05	4.65E-05	3.62E-05	2.38E-05
538	563737.8	4235279	3.74E-04	3.34E-04	6.34E-05	5.35E-05	3.02E-04	2.45E-04	4.94E-05	4.74E-05	3.69E-05	2.42E-05
539	563730.3	4235292	3.81E-04	3.40E-04	6.46E-05	5.45E-05	3.08E-04	2.49E-04	5.04E-05	4.83E-05	3.76E-05	2.47E-05
540	563722.8	4235305	3.88E-04	3.47E-04	6.59E-05	5.56E-05	3.14E-04	2.54E-04	5.14E-05	4.93E-05	3.84E-05	2.52E-05
541	563715.3	4235318	3.96E-04	3.54E-04	6.72E-05	5.67E-05	3.20E-04	2.59E-04	5.24E-05	5.03E-05	3.91E-05	2.57E-05
542	563707.8	4235331	4.03E-04	3.60E-04	6.84E-05	5.77E-05	3.26E-04	2.64E-04	5.33E-05	5.12E-05	3.98E-05	2.61E-05
543	563700.4	4235344	4.10E-04	3.66E-04	6.96E-05	5.87E-05	3.31E-04	2.69E-04	5.43E-05	5.21E-05	4.05E-05	2.66E-05
544	563692.9	4235357	4.17E-04	3.72E-04	7.07E-05	5.96E-05	3.37E-04	2.73E-04	5.51E-05	5.29E-05	4.12E-05	2.70E-05
545	563685.4	4235370	4.22E-04	3.77E-04	7.17E-05	6.04E-05	3.41E-04	2.76E-04	5.59E-05	5.36E-05	4.17E-05	2.74E-05
546	563677.9	4235383	4.28E-04	3.82E-04	7.26E-05	6.12E-05	3.45E-04	2.80E-04	5.66E-05	5.43E-05	4.22E-05	2.77E-05
547	563670.4	4235396	4.32E-04	3.85E-04	7.32E-05	6.17E-05	3.48E-04	2.82E-04	5.71E-05	5.48E-05	4.26E-05	2.80E-05
548	563662.9	4235409	4.34E-04	3.87E-04	7.37E-05	6.21E-05	3.51E-04	2.84E-04	5.74E-05	5.51E-05	4.29E-05	2.81E-05
549	563844.8	4234720	3.72E-04	3.32E-04	6.32E-05	5.33E-05	3.01E-04	2.44E-04	4.92E-05	4.73E-05	3.68E-05	2.41E-05
550	563847.2	4234735	3.62E-04	3.23E-04	6.15E-05	5.18E-05	2.93E-04	2.37E-04	4.79E-05	4.60E-05	3.58E-05	2.35E-05
551	563849.5	4234749	3.51E-04	3.13E-04	5.96E-05	5.02E-05	2.83E-04	2.30E-04	4.64E-05	4.45E-05	3.47E-05	2.28E-05
552	563851.9	4234764	3.39E-04	3.02E-04	5.75E-05	4.85E-05	2.74E-04	2.22E-04	4.48E-05	4.30E-05	3.35E-05	2.20E-05
553	563854.3	4234779	3.27E-04	2.91E-04	5.54E-05	4.67E-05	2.64E-04	2.14E-04	4.32E-05	4.14E-05	3.23E-05	2.12E-05
554	563856.7	4234794	3.16E-04	2.82E-04	5.36E-05	4.52E-05	2.55E-04	2.07E-04	4.18E-05	4.01E-05	3.12E-05	2.05E-05
555	563859.1	4234809	3.07E-04	2.74E-04	5.21E-05	4.39E-05	2.48E-04	2.01E-04	4.06E-05	3.89E-05	3.03E-05	1.99E-05
556	563861.4	4234824	2.76E-04	2.46E-04	4.68E-05	3.94E-05	2.23E-04	1.80E-04	3.65E-05	3.50E-05	2.72E-05	1.79E-05
557	563863.8	4234839	2.67E-04	2.38E-04	4.53E-05	3.82E-05	2.16E-04	1.75E-04	3.53E-05	3.39E-05	2.64E-05	1.73E-05
558	563866.2	4234854	2.63E-04	2.34E-04	4.46E-05	3.76E-05	2.12E-04	1.72E-04	3.48E-05	3.33E-05	2.60E-05	1.70E-05
559	563868.6	4234869	2.61E-04	2.33E-04	4.44E-05	3.74E-05	2.11E-04	1.71E-04	3.46E-05	3.32E-05	2.58E-05	1.69E-05
560	563871	4234884	2.57E-04	2.30E-04	4.37E-05	3.68E-05	2.08E-04	1.68E-04	3.40E-05	3.27E-05	2.54E-05	1.67E-05
561	563873.3	4234899	2.49E-04	2.22E-04	4.23E-05	3.57E-05	2.01E-04	1.63E-04	3.30E-05	3.16E-05	2.46E-05	1.62E-05
562	563875.7	4234914	2.47E-04	2.20E-04	4.19E-05	3.53E-05	2.00E-04	1.62E-04	3.27E-05	3.14E-05	2.44E-05	1.60E-05
563	563878.1	4234929	2.50E-04	2.23E-04	4.25E-05	3.58E-05	2.02E-04	1.64E-04	3.31E-05	3.18E-05	2.47E-05	1.62E-05
564	563880.5	4234944	2.59E-04	2.31E-04	4.39E-05	3.70E-05	2.09E-04	1.69E-04	3.42E-05	3.28E-05	2.55E-05	1.68E-05
565	563882.9	4234959	2.70E-04	2.41E-04	4.58E-05	3.86E-05	2.18E-04	1.77E-04	3.57E-05	3.42E-05	2.66E-05	1.75E-05
566	563885.2	4234974	2.71E-04	2.42E-04	4.60E-05	3.88E-05	2.19E-04	1.78E-04	3.59E-05	3.44E-05	2.68E-05	1.76E-05
567	563887.6	4234989	2.66E-04	2.38E-04	4.52E-05	3.81E-05	2.15E-04	1.74E-04	3.52E-05	3.38E-05	2.63E-05	1.73E-05
568	563890	4235004	2.65E-04	2.36E-04	4.50E-05	3.79E-05	2.14E-04	1.73E-04	3.51E-05	3.36E-05	2.62E-05	1.72E-05
569	563892.4	4235019	2.66E-04	2.37E-04	4.51E-05	3.81E-05	2.15E-04	1.74E-04	3.52E-05	3.38E-05	2.63E-05	1.72E-05
570	563894.8	4235034	2.66E-04	2.38E-04	4.52E-05	3.81E-05	2.15E-04	1.74E-04	3.52E-05	3.38E-05	2.63E-05	1.73E-05
571	563897.1	4235049	2.66E-04	2.37E-04	4.51E-05	3.80E-05	2.15E-04	1.74E-04	3.52E-05	3.37E-05	2.63E-05	1.72E-05
572	563899.5	4235064	2.65E-04	2.36E-04	4.49E-05	3.78E-05	2.14E-04	1.73E-04	3.50E-05	3.36E-05	2.61E-05	1.72E-05
573	563896.9	4235078	2.65E-04	2.36E-04	4.50E-05	3.79E-05	2.14E-04	1.73E-04	3.50E-05	3.36E-05	2.62E-05	1.72E-05
574	563889.4	4235091	2.69E-04	2.40E-04	4.56E-05	3.84E-05	2.17E-04	1.76E-04	3.55E-05	3.41E-05	2.65E-05	1.74E-05
575	563881.8	4235104	2.77E-04	2.47E-04	4.70E-05	3.96E-05	2.24E-04	1.81E-04	3.66E-05	3.51E-05	2.74E-05	1.80E-05
576	563874.3	4235118	2.87E-04	2.56E-04	4.87E-05	4.11E-05	2.32E-04	1.88E-04	3.80E-05	3.64E-05	2.84E-05	1.86E-05
577	563866.7	4235131	3.12E-04	2.78E-04	5.29E-05	4.46E-05	2.52E-04	2.04E-04	4.13E-05	3.96E-05	3.08E-05	2.02E-05
578	563859.1	4235144	3.12E-04	2.79E-04	5.30E-05	4.47E-05	2.52E-04	2.04E-04	4.13E-05	3.96E-05	3.08E-05	2.02E-05
579	563851.6	4235157	3.13E-04	2.79E-04	5.31E-05	4.47E-05	2.52E-04	2.05E-04	4.14E-05	3.97E-05	3.09E-05	2.03E-05
580	563844	4235170	3.11E-04	2.77E-04	5.28E-05	4.45E-05	2.51E-04	2.03E-04	4.11E-05	3.95E-05	3.07E-05	2.02E-05
581	563836.5	4235183	3.08E-04	2.75E-04	5.22E-05	4.40E-05	2.49E-04	2.01E-04	4.07E-05	3.91E-05	3.04E-05	2.00E-05
582	563828.9	4235196	3.06E-04	2.73E-04	5.19E-05	4.38E-05	2.47E-04	2.00E-04	4.05E-05	3.88E-05	3.02E-05	1.98E-05
583	563760.8	4235315	3.47E-04	3.10E-04	5.89E-05	4.97E-05	2.80E-04	2.27E-04	4.59E-05	4.41E-05	3.43E-05	2.25E-05
584	563753.3	4235328	3.54E-04	3.16E-04	6.01E-05	5.06E-05	2.86E-04	2.32E-04	4.68E-05	4.49E-05	3.50E-05	2.29E-05
585	563745.7	4235341	3.61E-04	3.22E-04	6.12E-05	5.16E-05	2.91E-04	2.36E-04	4.77E-05	4.58E-05	3.56E-05	2.34E-05
586	563738.2	4235354	3.67E-04	3.27E-04	6.23E-05	5.25E-05	2.96E-04	2.40E-04	4.85E-05	4.66E-05	3.62E-05	2.38E-05
587	563730.6	4235367	3.73E-04	3.33E-04	6.33E-05	5.34E-05	3.01E-04	2.44E-04	4.94E-05	4.74E-05	3.69E-05	2.42E-05
588	563723	4235381	3.78E-04	3.37E-04	6.42E-05	5.41E-05	3.05E-04	2.47E-04	5.00E-05	4.80E-05	3.73E-05	2.45E-05
589	563715.5	4235394	3.82E-04	3.41E-04	6.48E-05	5.46E-05	3.08E-04	2.50E-04	5.05E-05	4.85E-05	3.77E-05	2.48E-05
590	563707.9	4235407	3.85E-04	3.43E-04	6.53E-05	5.51E-05	3.11E-04	2.52E-04	5.09E-05	4.89E-05	3.80E-05	2.50E-05
591	563700.4	4235420	3.88E-04	3.46E-04	6.58E-05	5.55E-05	3.13E-04	2.54E-04	5.13E-05	4.92E-05	3.83E-05	2.52E-05
592	563692.8	4235433	3.92E-04	3.50E-04	6.66E-05	5.61E-05	3.17E-04	2.57E-04	5.19E-05	4.98E-05	3.88E-05	2.54E-05
593	563685.2	4235446	3.97E-04	3.54E-04	6.73E-05	5.67E-05	3.20E-04	2.60E-04	5.25E-05	5.03E-05	3.92E-05	2.57E-05
594	563886.9	4234744	3.19E-04	2.84E-04	5.41E-05	4.56E-05	2.57E-04	2.09E-04	4.22E-05	4.05E-05	3.15E-05	2.07E-05
595	563889.3	4234759	3.06E-04	2.73E-04	5.19E-05	4.38E-05	2.47E-04	2.00E-04	4.05E-05	3.88E-05	3.02E-05	1.98E-05
596	563891.6	4234774	2.96E-04	2.64E-04	5.03E-05	4.24E-05	2.39E-04	1.94E-04	3.92E-05	3.76E-05	2.93E-05	1.92E-05
597	563894	4234789	2.69E-04	2.40E-04	4.56E-05	3.85E-05	2.17E-04	1.76E-04	3.56E-05	3.41E-05	2.66E-05	1.74E-05
598	563896.4	4234804	2.54E-04	2.26E-04	4.31E-05	3.63E-05	2.05E-04	1.66E-04	3.36E-05	3.22E-05	2.51E-05	1.64E-05
599	563898.7	4234819	2.40E-04	2.14E-04	4.08E-05	3.44E-05	1.94E-04	1.57E-04	3.18E-05	3.05E-05	2.37E-05	1.56E-05

600	563901.1	4234834	2.33E-04	2.08E-04	3.95E-05	3.33E-05	1.88E-04	1.53E-04	3.08E-05	2.96E-05	2.30E-05	1.51E-05
601	563903.5	4234848	2.27E-04	2.03E-04	3.86E-05	3.25E-05	1.83E-04	1.49E-04	3.01E-05	2.88E-05	2.24E-05	1.47E-05
602	563905.8	4234863	2.24E-04	2.00E-04	3.80E-05	3.20E-05	1.81E-04	1.47E-04	2.96E-05	2.84E-05	2.21E-05	1.45E-05
603	563908.2	4234878	2.23E-04	1.99E-04	3.78E-05	3.18E-05	1.80E-04	1.46E-04	2.94E-05	2.82E-05	2.20E-05	1.44E-05
604	563910.5	4234893	2.23E-04	1.99E-04	3.78E-05	3.19E-05	1.80E-04	1.46E-04	2.95E-05	2.83E-05	2.20E-05	1.44E-05
605	563912.9	4234908	2.24E-04	2.00E-04	3.81E-05	3.21E-05	1.81E-04	1.47E-04	2.97E-05	2.85E-05	2.22E-05	1.45E-05
606	563915.3	4234923	2.27E-04	2.02E-04	3.85E-05	3.25E-05	1.83E-04	1.49E-04	3.00E-05	2.88E-05	2.24E-05	1.47E-05
607	563917.6	4234938	2.30E-04	2.06E-04	3.91E-05	3.30E-05	1.86E-04	1.51E-04	3.05E-05	2.92E-05	2.28E-05	1.49E-05
608	563920	4234952	2.34E-04	2.09E-04	3.97E-05	3.35E-05	1.89E-04	1.53E-04	3.10E-05	2.97E-05	2.31E-05	1.52E-05
609	563922.3	4234967	2.38E-04	2.12E-04	4.04E-05	3.40E-05	1.92E-04	1.56E-04	3.15E-05	3.02E-05	2.35E-05	1.54E-05
610	563924.7	4234982	2.42E-04	2.16E-04	4.10E-05	3.46E-05	1.95E-04	1.58E-04	3.19E-05	3.07E-05	2.39E-05	1.57E-05
611	563927.1	4234997	2.45E-04	2.18E-04	4.15E-05	3.50E-05	1.97E-04	1.60E-04	3.23E-05	3.10E-05	2.41E-05	1.58E-05
612	563929.4	4235012	2.47E-04	2.20E-04	4.19E-05	3.53E-05	1.99E-04	1.61E-04	3.26E-05	3.13E-05	2.44E-05	1.60E-05
613	563931.8	4235027	2.48E-04	2.21E-04	4.20E-05	3.54E-05	2.00E-04	1.62E-04	3.28E-05	3.14E-05	2.45E-05	1.61E-05
614	563934.2	4235042	2.37E-04	2.12E-04	4.03E-05	3.39E-05	1.92E-04	1.55E-04	3.14E-05	3.01E-05	2.34E-05	1.54E-05
615	563936.5	4235057	2.28E-04	2.03E-04	3.86E-05	3.26E-05	1.84E-04	1.49E-04	3.01E-05	2.89E-05	2.25E-05	1.48E-05
616	563938.9	4235071	2.35E-04	2.10E-04	3.99E-05	3.37E-05	1.90E-04	1.54E-04	3.11E-05	2.99E-05	2.33E-05	1.53E-05
617	563936.3	4235085	2.46E-04	2.19E-04	4.17E-05	3.51E-05	1.98E-04	1.61E-04	3.25E-05	3.12E-05	2.42E-05	1.59E-05
618	563928.8	4235098	2.49E-04	2.22E-04	4.23E-05	3.57E-05	2.01E-04	1.63E-04	3.30E-05	3.16E-05	2.46E-05	1.62E-05
619	563921.3	4235111	2.46E-04	2.20E-04	4.18E-05	3.52E-05	1.99E-04	1.61E-04	3.26E-05	3.12E-05	2.43E-05	1.60E-05
620	563913.8	4235124	2.51E-04	2.24E-04	4.25E-05	3.58E-05	2.02E-04	1.64E-04	3.31E-05	3.18E-05	2.48E-05	1.62E-05
621	563906.3	4235137	2.59E-04	2.31E-04	4.39E-05	3.70E-05	2.09E-04	1.69E-04	3.42E-05	3.28E-05	2.55E-05	1.68E-05
622	563898.8	4235151	2.67E-04	2.38E-04	4.53E-05	3.82E-05	2.16E-04	1.75E-04	3.53E-05	3.39E-05	2.64E-05	1.73E-05
623	563891.3	4235164	2.86E-04	2.55E-04	4.86E-05	4.09E-05	2.31E-04	1.87E-04	3.79E-05	3.63E-05	2.83E-05	1.86E-05
624	563883.8	4235177	2.88E-04	2.57E-04	4.89E-05	4.12E-05	2.32E-04	1.88E-04	3.81E-05	3.65E-05	2.84E-05	1.87E-05
625	563876.3	4235190	2.87E-04	2.56E-04	4.87E-05	4.10E-05	2.32E-04	1.88E-04	3.79E-05	3.64E-05	2.83E-05	1.86E-05
626	563868.8	4235203	2.85E-04	2.54E-04	4.83E-05	4.07E-05	2.30E-04	1.86E-04	3.76E-05	3.61E-05	2.81E-05	1.84E-05
627	563861.3	4235216	2.83E-04	2.52E-04	4.80E-05	4.05E-05	2.28E-04	1.85E-04	3.74E-05	3.59E-05	2.79E-05	1.83E-05
628	563853.8	4235229	2.83E-04	2.52E-04	4.80E-05	4.04E-05	2.28E-04	1.85E-04	3.74E-05	3.59E-05	2.79E-05	1.83E-05
629	563763.8	4235385	3.35E-04	2.99E-04	5.68E-05	4.79E-05	2.70E-04	2.19E-04	4.43E-05	4.25E-05	3.31E-05	2.17E-05
630	563756.3	4235398	3.40E-04	3.03E-04	5.76E-05	4.86E-05	2.74E-04	2.22E-04	4.49E-05	4.31E-05	3.36E-05	2.20E-05
631	563748.8	4235411	3.44E-04	3.07E-04	5.84E-05	4.92E-05	2.78E-04	2.25E-04	4.55E-05	4.37E-05	3.40E-05	2.23E-05
632	563741.3	4235425	3.49E-04	3.11E-04	5.92E-05	4.99E-05	2.82E-04	2.28E-04	4.61E-05	4.42E-05	3.44E-05	2.26E-05
633	563733.8	4235438	3.53E-04	3.15E-04	6.00E-05	5.05E-05	2.85E-04	2.31E-04	4.67E-05	4.48E-05	3.49E-05	2.29E-05
634	563726.3	4235451	3.58E-04	3.19E-04	6.07E-05	5.12E-05	2.89E-04	2.34E-04	4.73E-05	4.54E-05	3.53E-05	2.32E-05
635	563718.8	4235464	3.61E-04	3.22E-04	6.13E-05	5.17E-05	2.92E-04	2.37E-04	4.78E-05	4.59E-05	3.57E-05	2.34E-05
636	563711.3	4235477	3.65E-04	3.25E-04	6.19E-05	5.22E-05	2.94E-04	2.39E-04	4.82E-05	4.63E-05	3.60E-05	2.36E-05
637	563264.4	4234908	9.69E-03	8.64E-03	1.64E-03	1.39E-03	7.82E-03	6.34E-03	1.28E-03	1.23E-03	9.57E-04	6.28E-04
638	563600.7	4234810	7.52E-04	6.71E-04	1.28E-04	1.08E-04	6.07E-04	4.92E-04	9.95E-05	9.54E-05	7.43E-05	4.87E-05
639	563638.6	4234797	6.51E-04	5.81E-04	1.10E-04	9.31E-05	5.26E-04	4.26E-04	8.61E-05	8.26E-05	6.43E-05	4.22E-05
640	563633.8	4234783	6.67E-04	5.95E-04	1.13E-04	9.54E-05	5.39E-04	4.37E-04	8.82E-05	8.47E-05	6.59E-05	4.32E-05
641	563676.5	4234785	5.71E-04	5.09E-04	9.69E-05	8.17E-05	4.61E-04	3.74E-04	7.55E-05	7.25E-05	5.64E-05	3.70E-05
642	563671.7	4234770	5.86E-04	5.23E-04	9.94E-05	8.38E-05	4.73E-04	3.83E-04	7.75E-05	7.43E-05	5.79E-05	3.80E-05
643	563714.4	4234772	5.02E-04	4.48E-04	8.52E-05	7.18E-05	4.06E-04	3.29E-04	6.64E-05	6.37E-05	4.96E-05	3.25E-05
644	563709.6	4234758	5.14E-04	4.59E-04	8.73E-05	7.36E-05	4.15E-04	3.37E-04	6.80E-05	6.53E-05	5.08E-05	3.33E-05
645	563828.1	4234733	3.80E-04	3.39E-04	6.45E-05	5.44E-05	3.07E-04	2.49E-04	5.03E-05	4.83E-05	3.76E-05	2.47E-05
646	563823.3	4234719	3.92E-04	3.50E-04	6.65E-05	5.61E-05	3.17E-04	2.57E-04	5.19E-05	4.98E-05	3.87E-05	2.54E-05
647	563260	4234894	1.09E-02	9.74E-03	1.85E-03	1.56E-03	8.81E-03	7.14E-03	1.44E-03	1.38E-03	1.08E-03	7.07E-04
648	563271.8	4234898	8.82E-03	7.87E-03	1.50E-03	1.26E-03	7.12E-03	5.77E-03	1.17E-03	1.12E-03	8.71E-04	5.71E-04
649	563281.4	4234895	7.66E-03	6.83E-03	1.30E-03	1.10E-03	6.18E-03	5.01E-03	1.01E-03	9.72E-04	7.56E-04	4.96E-04
650	563290.9	4234893	6.70E-03	5.98E-03	1.14E-03	9.58E-04	5.41E-03	4.39E-03	8.86E-04	8.50E-04	6.62E-04	4.34E-04
651	563300.5	4234890	5.91E-03	5.27E-03	1.00E-03	8.45E-04	4.77E-03	3.86E-03	7.81E-04	7.49E-04	5.83E-04	3.83E-04
652	563307.7	4234879	5.44E-03	4.85E-03	9.23E-04	7.78E-04	4.39E-03	3.56E-03	7.19E-04	6.90E-04	5.37E-04	3.52E-04
653	563317.3	4234876	4.83E-03	4.31E-03	8.20E-04	6.91E-04	3.90E-03	3.16E-03	6.39E-04	6.13E-04	4.77E-04	3.13E-04
654	563326.8	4234873	4.32E-03	3.85E-03	7.33E-04	6.18E-04	3.49E-03	2.83E-03	5.71E-04	5.48E-04	4.27E-04	2.80E-04
655	563269.5	4234888	9.39E-03	8.37E-03	1.59E-03	1.34E-03	7.58E-03	6.14E-03	1.24E-03	1.19E-03	9.27E-04	6.08E-04
656	563279.4	4234887	8.03E-03	7.16E-03	1.36E-03	1.15E-03	6.48E-03	5.25E-03	1.06E-03	1.02E-03	7.93E-04	5.20E-04
657	563606.8	4234845	7.27E-04	6.49E-04	1.23E-04	1.04E-04	5.87E-04	4.76E-04	9.62E-05	9.23E-05	7.18E-05	4.71E-05
658	563646.3	4234838	6.26E-04	5.59E-04	1.06E-04	8.95E-05	5.06E-04	4.10E-04	8.28E-05	7.94E-05	6.18E-05	4.06E-05
659	563685.9	4234832	5.41E-04	4.83E-04	9.18E-05	7.74E-05	4.37E-04	3.54E-04	7.15E-05	6.86E-05	5.34E-05	3.51E-05
660	563684.5	4234824	5.44E-04	4.85E-04	9.23E-05	7.78E-05	4.39E-04	3.56E-04	7.19E-05	6.90E-05	5.37E-05	3.52E-05
661	563725.4	4234826	4.65E-04	4.14E-04	7.88E-05	6.64E-05	3.75E-04	3.04E-04	6.14E-05	5.90E-05	4.59E-05	3.01E-05
662	563804.4	4234814	3.60E-04	3.22E-04	6.12E-05	5.16E-05	2.91E-04	2.36E-04	4.77E-05	4.57E-05	3.56E-05	2.34E-05
663	563803.1	4234805	3.64E-04	3.25E-04	6.18E-05	5.21E-05	2.94E-04	2.38E-04	4.82E-05	4.62E-05	3.60E-05	2.36E-05
664	563844	4234808	3.23E-04	2.88E-04	5.48E-05	4.62E-05	2.61E-04	2.11E-04	4.27E-05	4.10E-05	3.19E-05	2.09E-05
665	563883.5	4234801	2.68E-04	2.39E-04	4.55E-05	3.84E-05	2.17E-04	1.76E-04	3.55E-05	3.41E-05	2.65E-05	1.74E-05
666	563923	4234795	2.44E-04	2.18E-04	4.14E-05	3.49E-05	1.97E-04	1.60E-04	3.22E-05	3.09E-05	2.41E-05	1.58E-05

667	563921.7	4234787	2.52E-04	2.25E-04	4.27E-05	3.60E-05	2.03E-04	1.65E-04	3.33E-05	3.19E-05	2.49E-05	1.63E-05
668	563258.1	4234880	1.17E-02	1.05E-02	1.99E-03	1.68E-03	9.48E-03	7.68E-03	1.55E-03	1.49E-03	1.16E-03	7.61E-04
669	563268	4234878	9.84E-03	8.78E-03	1.67E-03	1.41E-03	7.95E-03	6.44E-03	1.30E-03	1.25E-03	9.72E-04	6.38E-04
670	563277.9	4234877	8.38E-03	7.47E-03	1.42E-03	1.20E-03	6.76E-03	5.48E-03	1.11E-03	1.06E-03	8.27E-04	5.43E-04
671	563287.7	4234875	7.21E-03	6.43E-03	1.22E-03	1.03E-03	5.82E-03	4.72E-03	9.53E-04	9.15E-04	7.12E-04	4.67E-04
672	563297.6	4234874	6.27E-03	5.59E-03	1.06E-03	8.96E-04	5.06E-03	4.10E-03	8.29E-04	7.95E-04	6.19E-04	4.06E-04
673	563564.3	4234832	8.57E-04	7.64E-04	1.45E-04	1.23E-04	6.92E-04	5.61E-04	1.13E-04	1.09E-04	8.46E-05	5.55E-05
674	563605.4	4234835	7.33E-04	6.54E-04	1.24E-04	1.05E-04	5.92E-04	4.80E-04	9.70E-05	9.31E-05	7.24E-05	4.75E-05
675	563603.8	4234825	7.40E-04	6.60E-04	1.26E-04	1.06E-04	5.97E-04	4.84E-04	9.78E-05	9.39E-05	7.31E-05	4.79E-05
676	563644.9	4234829	6.30E-04	5.62E-04	1.07E-04	9.01E-05	5.09E-04	4.12E-04	8.33E-05	8.00E-05	6.22E-05	4.08E-05
677	563643.3	4234819	6.35E-04	5.66E-04	1.08E-04	9.08E-05	5.13E-04	4.16E-04	8.40E-05	8.06E-05	6.27E-05	4.12E-05
678	563682.9	4234813	5.49E-04	4.89E-04	9.31E-05	7.84E-05	4.43E-04	3.59E-04	7.25E-05	6.96E-05	5.42E-05	3.55E-05
679	563723.9	4234817	4.68E-04	4.17E-04	7.94E-05	6.69E-05	3.78E-04	3.06E-04	6.18E-05	5.93E-05	4.62E-05	3.03E-05
680	563722.4	4234807	4.75E-04	4.23E-04	8.05E-05	6.79E-05	3.83E-04	3.11E-04	6.28E-05	6.02E-05	4.69E-05	3.08E-05
681	563842.4	4234798	3.27E-04	2.92E-04	5.56E-05	4.68E-05	2.64E-04	2.14E-04	4.33E-05	4.15E-05	3.23E-05	2.12E-05
682	563840.9	4234788	3.33E-04	2.97E-04	5.64E-05	4.76E-05	2.69E-04	2.18E-04	4.40E-05	4.22E-05	3.28E-05	2.16E-05
683	563882	4234792	2.96E-04	2.64E-04	5.02E-05	4.23E-05	2.39E-04	1.94E-04	3.91E-05	3.76E-05	2.92E-05	1.92E-05
684	563880.4	4234782	3.03E-04	2.70E-04	5.14E-05	4.33E-05	2.45E-04	1.98E-04	4.01E-05	3.84E-05	2.99E-05	1.96E-05
685	563919.9	4234776	2.57E-04	2.30E-04	4.37E-05	3.68E-05	2.08E-04	1.68E-04	3.40E-05	3.27E-05	2.54E-05	1.67E-05
686	563257.4	4234870	1.22E-02	1.08E-02	2.06E-03	1.74E-03	9.82E-03	7.96E-03	1.61E-03	1.54E-03	1.20E-03	7.88E-04
687	563267.4	4234869	1.01E-02	9.02E-03	1.72E-03	1.45E-03	8.17E-03	6.62E-03	1.34E-03	1.28E-03	9.99E-04	6.56E-04
688	563307.3	4234866	5.54E-03	4.94E-03	9.40E-04	7.92E-04	4.47E-03	3.62E-03	7.32E-04	7.03E-04	5.47E-04	3.59E-04
689	563317.2	4234865	4.88E-03	4.35E-03	8.27E-04	6.97E-04	3.94E-03	3.19E-03	6.45E-04	6.19E-04	4.82E-04	3.16E-04
690	563327.2	4234865	4.32E-03	3.86E-03	7.34E-04	6.18E-04	3.49E-03	2.83E-03	5.72E-04	5.49E-04	4.27E-04	2.80E-04
691	563347.1	4234863	3.46E-03	3.09E-03	5.88E-04	4.95E-04	2.80E-03	2.27E-03	4.58E-04	4.40E-04	3.42E-04	2.25E-04
692	563607.3	4234855	7.24E-04	6.46E-04	1.23E-04	1.04E-04	5.84E-04	4.74E-04	9.57E-05	9.18E-05	7.15E-05	4.69E-05
693	563647.2	4234852	6.24E-04	5.57E-04	1.06E-04	8.92E-05	5.04E-04	4.08E-04	8.25E-05	7.92E-05	6.16E-05	4.04E-05
694	563687	4234848	5.40E-04	4.82E-04	9.16E-05	7.72E-05	4.36E-04	3.53E-04	7.14E-05	6.85E-05	5.33E-05	3.50E-05
695	563726.9	4234845	4.63E-04	4.13E-04	7.86E-05	6.63E-05	3.74E-04	3.03E-04	6.13E-05	5.88E-05	4.58E-05	3.00E-05
696	563806.7	4234839	3.55E-04	3.16E-04	6.02E-05	5.07E-05	2.86E-04	2.32E-04	4.69E-05	4.50E-05	3.50E-05	2.30E-05
697	563805.7	4234827	3.57E-04	3.18E-04	6.05E-05	5.10E-05	2.88E-04	2.33E-04	4.72E-05	4.52E-05	3.52E-05	2.31E-05
698	563846.6	4234836	2.84E-04	2.53E-04	4.81E-05	4.06E-05	2.29E-04	1.86E-04	3.75E-05	3.60E-05	2.80E-05	1.84E-05
699	563845.6	4234824	3.15E-04	2.81E-04	5.35E-05	4.51E-05	2.54E-04	2.06E-04	4.17E-05	4.00E-05	3.11E-05	2.04E-05
700	563886.4	4234833	2.48E-04	2.21E-04	4.20E-05	3.54E-05	2.00E-04	1.62E-04	3.28E-05	3.14E-05	2.45E-05	1.61E-05
701	563885.5	4234821	2.52E-04	2.25E-04	4.28E-05	3.61E-05	2.04E-04	1.65E-04	3.34E-05	3.20E-05	2.49E-05	1.64E-05
702	563926.3	4234830	2.21E-04	1.97E-04	3.74E-05	3.15E-05	1.78E-04	1.44E-04	2.92E-05	2.80E-05	2.18E-05	1.43E-05
703	563925.4	4234818	2.25E-04	2.01E-04	3.82E-05	3.22E-05	1.82E-04	1.47E-04	2.98E-05	2.86E-05	2.23E-05	1.46E-05
704	563257.7	4234861	1.23E-02	1.10E-02	2.09E-03	1.76E-03	9.94E-03	8.05E-03	1.63E-03	1.56E-03	1.22E-03	7.98E-04
705	563277.6	4234867	8.53E-03	7.61E-03	1.45E-03	1.22E-03	6.89E-03	5.58E-03	1.13E-03	1.08E-03	8.43E-04	5.53E-04
706	563287.7	4234862	7.33E-03	6.54E-03	1.24E-03	1.05E-03	5.92E-03	4.80E-03	9.70E-04	9.31E-04	7.24E-04	4.75E-04
707	563297.7	4234862	6.34E-03	5.65E-03	1.07E-03	9.06E-04	5.12E-03	4.15E-03	8.38E-04	8.04E-04	6.26E-04	4.11E-04
708	563607.6	4234873	7.20E-04	6.42E-04	1.22E-04	1.03E-04	5.81E-04	4.71E-04	9.52E-05	9.13E-05	7.11E-05	4.66E-05
709	563647.7	4234867	6.24E-04	5.56E-04	1.06E-04	8.92E-05	5.03E-04	4.08E-04	8.25E-05	7.91E-05	6.16E-05	4.04E-05
710	563687.5	4234880	5.45E-04	4.87E-04	9.26E-05	7.80E-05	4.40E-04	3.57E-04	7.21E-05	6.92E-05	5.39E-05	3.54E-05
711	563687.6	4234868	5.42E-04	4.84E-04	9.20E-05	7.75E-05	4.38E-04	3.55E-04	7.17E-05	6.88E-05	5.36E-05	3.51E-05
712	563727.5	4234881	4.78E-04	4.26E-04	8.11E-05	6.83E-05	3.86E-04	3.13E-04	6.32E-05	6.06E-05	4.72E-05	3.10E-05
713	563727.6	4234869	4.73E-04	4.22E-04	8.02E-05	6.76E-05	3.82E-04	3.09E-04	6.25E-05	6.00E-05	4.67E-05	3.06E-05
714	563807.4	4234882	3.62E-04	3.23E-04	6.15E-05	5.18E-05	2.93E-04	2.37E-04	4.79E-05	4.60E-05	3.58E-05	2.35E-05
715	563807.6	4234870	3.58E-04	3.19E-04	6.08E-05	5.12E-05	2.89E-04	2.34E-04	4.74E-05	4.54E-05	3.54E-05	2.32E-05
716	563847.4	4234882	2.78E-04	2.48E-04	4.71E-05	3.97E-05	2.24E-04	1.82E-04	3.67E-05	3.52E-05	2.74E-05	1.80E-05
717	563847.6	4234871	2.76E-04	2.46E-04	4.69E-05	3.95E-05	2.23E-04	1.81E-04	3.65E-05	3.50E-05	2.73E-05	1.79E-05
718	563887.4	4234883	2.41E-04	2.15E-04	4.09E-05	3.45E-05	1.95E-04	1.58E-04	3.19E-05	3.06E-05	2.38E-05	1.56E-05
719	563887.6	4234871	2.42E-04	2.16E-04	4.11E-05	3.46E-05	1.95E-04	1.58E-04	3.20E-05	3.07E-05	2.39E-05	1.57E-05
720	563927.4	4234884	2.13E-04	1.90E-04	3.62E-05	3.05E-05	1.72E-04	1.40E-04	2.82E-05	2.71E-05	2.11E-05	1.38E-05
721	563927.6	4234872	2.13E-04	1.90E-04	3.61E-05	3.04E-05	1.72E-04	1.39E-04	2.81E-05	2.70E-05	2.10E-05	1.38E-05
722	563258.1	4234845	1.25E-02	1.12E-02	2.13E-03	1.79E-03	1.01E-02	8.20E-03	1.66E-03	1.59E-03	1.24E-03	8.12E-04
723	563267.9	4234853	1.03E-02	9.16E-03	1.74E-03	1.47E-03	8.29E-03	6.72E-03	1.36E-03	1.30E-03	1.01E-03	6.66E-04
724	563277.9	4234853	8.64E-03	7.71E-03	1.47E-03	1.24E-03	6.98E-03	5.65E-03	1.14E-03	1.10E-03	8.53E-04	5.60E-04
725	563288.1	4234845	7.39E-03	6.59E-03	1.25E-03	1.06E-03	5.96E-03	4.83E-03	9.77E-04	9.37E-04	7.29E-04	4.79E-04
726	563298.1	4234846	6.36E-03	5.68E-03	1.08E-03	9.10E-04	5.14E-03	4.16E-03	8.42E-04	8.08E-04	6.29E-04	4.12E-04
727	563307.9	4234854	5.54E-03	4.94E-03	9.40E-04	7.92E-04	4.47E-03	3.62E-03	7.33E-04	7.03E-04	5.47E-04	3.59E-04
728	563317.9	4234854	4.87E-03	4.34E-03	8.26E-04	6.96E-04	3.93E-03	3.19E-03	6.44E-04	6.18E-04	4.81E-04	3.15E-04
729	563327.9	4234855	4.31E-03	3.85E-03	7.31E-04	6.17E-04	3.48E-03	2.82E-03	5.70E-04	5.47E-04	4.26E-04	2.79E-04
730	563348.1	4234847	3.45E-03	3.07E-03	5.85E-04	4.93E-04	2.78E-03	2.25E-03	4.56E-04	4.37E-04	3.40E-04	2.23E-04
731	563367.9	4234856	2.81E-03	2.51E-03	4.77E-04	4.02E-04	2.27E-03	1.84E-03	3.72E-04	3.57E-04	2.78E-04	1.82E-04
732	563388	4234848	2.30E-03	2.05E-03	3.91E-04	3.29E-04	1.86E-03	1.51E-03	3.04E-04	2.92E-04	2.27E-04	1.49E-04
733	563408	4234848	1.97E-03	1.76E-03	3.34E-04	2.82E-04	1.59E-03	1.29E-03	2.60E-04	2.50E-04	1.94E-04	1.28E-04

734	563728	4234855	4.66E-04	4.16E-04	7.91E-05	6.66E-05	3.76E-04	3.05E-04	6.16E-05	5.91E-05	4.60E-05	3.02E-05
735	563807.9	4234857	3.55E-04	3.16E-04	6.02E-05	5.07E-05	2.86E-04	2.32E-04	4.69E-05	4.50E-05	3.50E-05	2.30E-05
736	563847.9	4234858	2.75E-04	2.46E-04	4.67E-05	3.94E-05	2.22E-04	1.80E-04	3.64E-05	3.49E-05	2.72E-05	1.78E-05
737	563887.9	4234859	2.42E-04	2.16E-04	4.10E-05	3.46E-05	1.95E-04	1.58E-04	3.20E-05	3.07E-05	2.39E-05	1.57E-05
738	563927.9	4234860	2.13E-04	1.90E-04	3.62E-05	3.05E-05	1.72E-04	1.40E-04	2.82E-05	2.71E-05	2.11E-05	1.38E-05
739	563249	4234812	1.58E-02	1.41E-02	2.68E-03	2.26E-03	1.28E-02	1.03E-02	2.09E-03	2.00E-03	1.56E-03	1.02E-03
740	563258.6	4234829	1.26E-02	1.12E-02	2.14E-03	1.80E-03	1.02E-02	8.25E-03	1.67E-03	1.60E-03	1.24E-03	8.17E-04
741	563259	4234812	1.26E-02	1.12E-02	2.13E-03	1.79E-03	1.01E-02	8.21E-03	1.66E-03	1.59E-03	1.24E-03	8.13E-04
742	563268.3	4234837	1.04E-02	9.23E-03	1.76E-03	1.48E-03	8.36E-03	6.77E-03	1.37E-03	1.31E-03	1.02E-03	6.71E-04
743	563268.8	4234821	1.03E-02	9.21E-03	1.75E-03	1.48E-03	8.34E-03	6.76E-03	1.37E-03	1.31E-03	1.02E-03	6.69E-04
744	563278.3	4234837	8.67E-03	7.73E-03	1.47E-03	1.24E-03	7.00E-03	5.67E-03	1.15E-03	1.10E-03	8.56E-04	5.62E-04
745	563278.8	4234821	8.59E-03	7.67E-03	1.46E-03	1.23E-03	6.94E-03	5.62E-03	1.14E-03	1.09E-03	8.49E-04	5.57E-04
746	563288.5	4234830	7.31E-03	6.52E-03	1.24E-03	1.05E-03	5.90E-03	4.78E-03	9.66E-04	9.27E-04	7.22E-04	4.74E-04
747	563289	4234813	7.16E-03	6.38E-03	1.21E-03	1.02E-03	5.78E-03	4.68E-03	9.46E-04	9.08E-04	7.07E-04	4.64E-04
748	563298.5	4234830	6.26E-03	5.58E-03	1.06E-03	8.95E-04	5.05E-03	4.10E-03	8.28E-04	7.94E-04	6.18E-04	4.06E-04
749	563299	4234814	6.10E-03	5.45E-03	1.04E-03	8.73E-04	4.93E-03	3.99E-03	8.07E-04	7.75E-04	6.03E-04	3.96E-04
750	563308.3	4234838	5.49E-03	4.90E-03	9.32E-04	7.86E-04	4.44E-03	3.59E-03	7.26E-04	6.97E-04	5.43E-04	3.56E-04
751	563308.8	4234822	5.36E-03	4.78E-03	9.09E-04	7.66E-04	4.33E-03	3.51E-03	7.09E-04	6.80E-04	5.29E-04	3.47E-04
752	563318.3	4234839	4.82E-03	4.30E-03	8.19E-04	6.90E-04	3.90E-03	3.16E-03	6.38E-04	6.12E-04	4.76E-04	3.13E-04
753	563318.8	4234822	4.70E-03	4.20E-03	7.98E-04	6.73E-04	3.80E-03	3.08E-03	6.22E-04	5.97E-04	4.64E-04	3.05E-04
754	563328.3	4234839	4.27E-03	3.81E-03	7.25E-04	6.11E-04	3.45E-03	2.79E-03	5.65E-04	5.42E-04	4.22E-04	2.77E-04
755	563328.8	4234823	4.16E-03	3.71E-03	7.06E-04	5.95E-04	3.36E-03	2.72E-03	5.50E-04	5.28E-04	4.11E-04	2.70E-04
756	563348.5	4234831	3.38E-03	3.01E-03	5.73E-04	4.83E-04	2.73E-03	2.21E-03	4.46E-04	4.28E-04	3.33E-04	2.19E-04
757	563349	4234815	3.28E-03	2.93E-03	5.57E-04	4.70E-04	2.65E-03	2.15E-03	4.34E-04	4.17E-04	3.24E-04	2.13E-04
758	563368.3	4234840	2.79E-03	2.49E-03	4.73E-04	3.99E-04	2.25E-03	1.82E-03	3.69E-04	3.54E-04	2.75E-04	1.81E-04
759	563368.7	4234824	2.73E-03	2.44E-03	4.63E-04	3.90E-04	2.20E-03	1.79E-03	3.61E-04	3.46E-04	2.70E-04	1.77E-04
760	563388.5	4234832	2.29E-03	2.04E-03	3.88E-04	3.27E-04	1.85E-03	1.50E-03	3.02E-04	2.90E-04	2.26E-04	1.48E-04
761	563389	4234816	2.26E-03	2.02E-03	3.84E-04	3.24E-04	1.83E-03	1.48E-03	2.99E-04	2.87E-04	2.24E-04	1.47E-04
762	563408.7	4234825	1.94E-03	1.73E-03	3.30E-04	2.78E-04	1.57E-03	1.27E-03	2.57E-04	2.47E-04	1.92E-04	1.26E-04
763	563428.2	4234842	1.72E-03	1.53E-03	2.91E-04	2.46E-04	1.39E-03	1.12E-03	2.27E-04	2.18E-04	1.70E-04	1.11E-04
764	563429	4234817	1.68E-03	1.50E-03	2.85E-04	2.40E-04	1.35E-03	1.10E-03	2.22E-04	2.13E-04	1.66E-04	1.09E-04
765	563448.5	4234834	1.49E-03	1.33E-03	2.53E-04	2.14E-04	1.21E-03	9.77E-04	1.98E-04	1.90E-04	1.48E-04	9.68E-05
766	563468.5	4234835	1.33E-03	1.19E-03	2.26E-04	1.91E-04	1.08E-03	8.73E-04	1.76E-04	1.69E-04	1.32E-04	8.64E-05
767	563488.7	4234827	1.21E-03	1.08E-03	2.05E-04	1.73E-04	9.75E-04	7.90E-04	1.60E-04	1.53E-04	1.19E-04	7.83E-05
768	563508.7	4234828	1.09E-03	9.72E-04	1.85E-04	1.56E-04	8.80E-04	7.13E-04	1.44E-04	1.38E-04	1.08E-04	7.06E-05
769	563528.4	4234837	9.85E-04	8.78E-04	1.67E-04	1.41E-04	7.95E-04	6.44E-04	1.30E-04	1.25E-04	9.73E-05	6.38E-05
770	563528.9	4234820	9.93E-04	8.86E-04	1.69E-04	1.42E-04	8.02E-04	6.50E-04	1.31E-04	1.26E-04	9.81E-05	6.44E-05
771	563568.2	4234846	8.49E-04	7.57E-04	1.44E-04	1.21E-04	6.85E-04	5.55E-04	1.12E-04	1.08E-04	8.38E-05	5.50E-05
772	563568.9	4234822	8.36E-04	7.46E-04	1.42E-04	1.20E-04	6.75E-04	5.47E-04	1.11E-04	1.06E-04	8.25E-05	5.42E-05
773	563687.9	4234858	5.40E-04	4.81E-04	9.16E-05	7.72E-05	4.36E-04	3.53E-04	7.14E-05	6.85E-05	5.33E-05	3.50E-05
774	563728.6	4234834	4.60E-04	4.10E-04	7.80E-05	6.58E-05	3.71E-04	3.01E-04	6.08E-05	5.83E-05	4.54E-05	2.98E-05
775	563848.3	4234846	2.76E-04	2.46E-04	4.68E-05	3.94E-05	2.23E-04	1.81E-04	3.65E-05	3.50E-05	2.72E-05	1.79E-05
776	563888.3	4234847	2.43E-04	2.16E-04	4.11E-05	3.47E-05	1.96E-04	1.59E-04	3.21E-05	3.08E-05	2.40E-05	1.57E-05
777	563928.3	4234848	2.15E-04	1.92E-04	3.65E-05	3.07E-05	1.73E-04	1.41E-04	2.84E-05	2.73E-05	2.12E-05	1.39E-05
778	563249.2	4234803	1.58E-02	1.41E-02	2.68E-03	2.26E-03	1.27E-02	1.03E-02	2.09E-03	2.00E-03	1.56E-03	1.02E-03
779	563249.4	4234793	1.57E-02	1.40E-02	2.67E-03	2.25E-03	1.27E-02	1.03E-02	2.08E-03	2.00E-03	1.55E-03	1.02E-03
780	563249.6	4234784	1.56E-02	1.39E-02	2.65E-03	2.23E-03	1.26E-02	1.02E-02	2.07E-03	1.98E-03	1.54E-03	1.01E-03
781	563249.7	4234774	1.54E-02	1.37E-02	2.61E-03	2.20E-03	1.24E-02	1.01E-02	2.04E-03	1.95E-03	1.52E-03	9.97E-04
782	563249.9	4234765	1.51E-02	1.35E-02	2.57E-03	2.16E-03	1.22E-02	9.89E-03	2.00E-03	1.92E-03	1.49E-03	9.80E-04
783	563250.1	4234756	1.48E-02	1.32E-02	2.51E-03	2.12E-03	1.19E-02	9.68E-03	1.96E-03	1.88E-03	1.46E-03	9.59E-04
784	563250.2	4234746	1.45E-02	1.29E-02	2.46E-03	2.07E-03	1.17E-02	9.49E-03	1.92E-03	1.84E-03	1.43E-03	9.40E-04
785	563250.4	4234737	1.41E-02	1.26E-02	2.40E-03	2.02E-03	1.14E-02	9.25E-03	1.87E-03	1.79E-03	1.40E-03	9.16E-04
786	563250.6	4234728	1.37E-02	1.22E-02	2.32E-03	1.96E-03	1.11E-02	8.96E-03	1.81E-03	1.74E-03	1.35E-03	8.87E-04
787	563259.2	4234803	1.25E-02	1.11E-02	2.11E-03	1.78E-03	1.01E-02	8.15E-03	1.65E-03	1.58E-03	1.23E-03	8.07E-04
788	563259.4	4234793	1.23E-02	1.10E-02	2.09E-03	1.76E-03	9.95E-03	8.07E-03	1.63E-03	1.56E-03	1.22E-03	7.99E-04
789	563259.6	4234784	1.22E-02	1.09E-02	2.06E-03	1.74E-03	9.82E-03	7.96E-03	1.61E-03	1.54E-03	1.20E-03	7.89E-04
790	563259.7	4234775	1.20E-02	1.07E-02	2.03E-03	1.71E-03	9.67E-03	7.84E-03	1.58E-03	1.52E-03	1.18E-03	7.76E-04
791	563259.9	4234765	1.17E-02	1.05E-02	1.99E-03	1.68E-03	9.48E-03	7.68E-03	1.55E-03	1.49E-03	1.16E-03	7.61E-04
792	563260.1	4234756	1.15E-02	1.02E-02	1.95E-03	1.64E-03	9.26E-03	7.50E-03	1.52E-03	1.45E-03	1.13E-03	7.43E-04
793	563260.2	4234747	1.12E-02	9.98E-03	1.90E-03	1.60E-03	9.03E-03	7.32E-03	1.48E-03	1.42E-03	1.10E-03	7.25E-04
794	563260.4	4234737	1.09E-02	9.68E-03	1.84E-03	1.55E-03	8.77E-03	7.10E-03	1.44E-03	1.38E-03	1.07E-03	7.04E-04
795	563260.6	4234728	1.05E-02	9.34E-03	1.78E-03	1.50E-03	8.46E-03	6.85E-03	1.39E-03	1.33E-03	1.03E-03	6.79E-04
796	563269	4234812	1.02E-02	9.14E-03	1.74E-03	1.46E-03	8.27E-03	6.70E-03	1.35E-03	1.30E-03	1.01E-03	6.64E-04
797	563269.2	4234803	1.01E-02	9.01E-03	1.71E-03	1.44E-03	8.16E-03	6.61E-03	1.34E-03	1.28E-03	9.98E-04	6.55E-04
798	563269.4	4234794	9.94E-03	8.87E-03	1.69E-03	1.42E-03	8.03E-03	6.51E-03	1.31E-03	1.26E-03	9.82E-04	6.44E-04
799	563269.5	4234784	9.76E-03	8.71E-03	1.66E-03	1.40E-03	7.88E-03	6.39E-03	1.29E-03	1.24E-03	9.64E-04	6.33E-04
800	563269.7	4234775	9.60E-03	8.56E-03	1.63E-03	1.37E-03	7.75E-03	6.28E-03	1.27E-03	1.22E-03	9.48E-04	6.22E-04

801	563269.9	4234766	9.40E-03	8.38E-03	1.59E-03	1.34E-03	7.59E-03	6.15E-03	1.24E-03	1.19E-03	9.28E-04	6.09E-04
802	563270.1	4234756	9.17E-03	8.18E-03	1.56E-03	1.31E-03	7.40E-03	6.00E-03	1.21E-03	1.16E-03	9.06E-04	5.94E-04
803	563270.2	4234747	8.92E-03	7.95E-03	1.51E-03	1.28E-03	7.20E-03	5.83E-03	1.18E-03	1.13E-03	8.80E-04	5.78E-04
804	563270.4	4234738	8.63E-03	7.70E-03	1.46E-03	1.23E-03	6.97E-03	5.65E-03	1.14E-03	1.09E-03	8.52E-04	5.59E-04
805	563270.6	4234728	8.31E-03	7.41E-03	1.41E-03	1.19E-03	6.71E-03	5.44E-03	1.10E-03	1.05E-03	8.21E-04	5.39E-04
806	563279.2	4234803	8.37E-03	7.46E-03	1.42E-03	1.20E-03	6.76E-03	5.48E-03	1.11E-03	1.06E-03	8.26E-04	5.42E-04
807	563279.4	4234794	8.21E-03	7.33E-03	1.39E-03	1.17E-03	6.63E-03	5.37E-03	1.09E-03	1.04E-03	8.11E-04	5.32E-04
808	563279.5	4234784	8.05E-03	7.18E-03	1.37E-03	1.15E-03	6.50E-03	5.27E-03	1.06E-03	1.02E-03	7.95E-04	5.22E-04
809	563279.7	4234775	7.90E-03	7.04E-03	1.34E-03	1.13E-03	6.38E-03	5.17E-03	1.04E-03	1.00E-03	7.80E-04	5.12E-04
810	563279.9	4234766	7.72E-03	6.89E-03	1.31E-03	1.10E-03	6.23E-03	5.05E-03	1.02E-03	9.80E-04	7.63E-04	5.00E-04
811	563280.1	4234756	7.52E-03	6.71E-03	1.28E-03	1.08E-03	6.07E-03	4.92E-03	9.95E-04	9.54E-04	7.43E-04	4.87E-04
812	563280.2	4234747	7.30E-03	6.51E-03	1.24E-03	1.04E-03	5.89E-03	4.78E-03	9.65E-04	9.26E-04	7.21E-04	4.73E-04
813	563280.4	4234738	7.06E-03	6.29E-03	1.20E-03	1.01E-03	5.70E-03	4.62E-03	9.33E-04	8.95E-04	6.97E-04	4.57E-04
814	563280.6	4234728	6.79E-03	6.06E-03	1.15E-03	9.72E-04	5.49E-03	4.45E-03	8.98E-04	8.62E-04	6.71E-04	4.40E-04
815	563289.2	4234803	7.04E-03	6.28E-03	1.20E-03	1.01E-03	5.69E-03	4.61E-03	9.31E-04	8.94E-04	6.96E-04	4.57E-04
816	563289.4	4234794	6.92E-03	6.17E-03	1.17E-03	9.90E-04	5.59E-03	4.53E-03	9.15E-04	8.78E-04	6.83E-04	4.48E-04
817	563289.5	4234785	6.78E-03	6.05E-03	1.15E-03	9.70E-04	5.47E-03	4.44E-03	8.97E-04	8.60E-04	6.70E-04	4.39E-04
818	563289.7	4234775	6.64E-03	5.92E-03	1.13E-03	9.50E-04	5.36E-03	4.35E-03	8.78E-04	8.43E-04	6.56E-04	4.30E-04
819	563289.9	4234766	6.48E-03	5.78E-03	1.10E-03	9.27E-04	5.23E-03	4.24E-03	8.57E-04	8.22E-04	6.40E-04	4.20E-04
820	563290.1	4234757	6.31E-03	5.63E-03	1.07E-03	9.02E-04	5.09E-03	4.13E-03	8.34E-04	8.00E-04	6.23E-04	4.09E-04
821	563290.2	4234747	6.11E-03	5.45E-03	1.04E-03	8.74E-04	4.94E-03	4.00E-03	8.09E-04	7.76E-04	6.04E-04	3.96E-04
822	563290.4	4234738	5.91E-03	5.27E-03	1.00E-03	8.45E-04	4.77E-03	3.87E-03	7.82E-04	7.50E-04	5.84E-04	3.83E-04
823	563290.6	4234729	5.70E-03	5.08E-03	9.66E-04	8.14E-04	4.60E-03	3.73E-03	7.53E-04	7.23E-04	5.62E-04	3.69E-04
824	563299.2	4234803	6.02E-03	5.37E-03	1.02E-03	8.60E-04	4.86E-03	3.94E-03	7.96E-04	7.63E-04	5.94E-04	3.90E-04
825	563299.4	4234794	5.92E-03	5.28E-03	1.00E-03	8.46E-04	4.78E-03	3.87E-03	7.83E-04	7.51E-04	5.84E-04	3.83E-04
826	563299.5	4234785	5.80E-03	5.18E-03	9.85E-04	8.30E-04	4.68E-03	3.80E-03	7.67E-04	7.36E-04	5.73E-04	3.76E-04
827	563299.7	4234775	5.68E-03	5.06E-03	9.63E-04	8.12E-04	4.58E-03	3.71E-03	7.51E-04	7.20E-04	5.61E-04	3.68E-04
828	563299.9	4234766	5.54E-03	4.94E-03	9.40E-04	7.92E-04	4.47E-03	3.62E-03	7.32E-04	7.03E-04	5.47E-04	3.59E-04
829	563300.1	4234757	5.38E-03	4.80E-03	9.14E-04	7.70E-04	4.35E-03	3.52E-03	7.12E-04	6.83E-04	5.32E-04	3.49E-04
830	563300.2	4234747	5.22E-03	4.66E-03	8.86E-04	7.47E-04	4.22E-03	3.42E-03	6.91E-04	6.63E-04	5.16E-04	3.38E-04
831	563300.4	4234738	5.05E-03	4.51E-03	8.57E-04	7.22E-04	4.08E-03	3.31E-03	6.68E-04	6.41E-04	4.99E-04	3.27E-04
832	563300.6	4234729	4.87E-03	4.35E-03	8.27E-04	6.97E-04	3.94E-03	3.19E-03	6.45E-04	6.19E-04	4.81E-04	3.16E-04
833	563309	4234813	5.28E-03	4.71E-03	8.96E-04	7.55E-04	4.26E-03	3.45E-03	6.98E-04	6.70E-04	5.21E-04	3.42E-04
834	563309.2	4234804	5.20E-03	4.64E-03	8.83E-04	7.44E-04	4.20E-03	3.40E-03	6.88E-04	6.60E-04	5.14E-04	3.37E-04
835	563309.4	4234794	5.11E-03	4.56E-03	8.68E-04	7.31E-04	4.13E-03	3.35E-03	6.76E-04	6.49E-04	5.05E-04	3.31E-04
836	563309.5	4234785	5.01E-03	4.47E-03	8.50E-04	7.16E-04	4.05E-03	3.28E-03	6.63E-04	6.36E-04	4.95E-04	3.25E-04
837	563309.7	4234776	4.90E-03	4.37E-03	8.31E-04	7.01E-04	3.96E-03	3.21E-03	6.48E-04	6.22E-04	4.84E-04	3.18E-04
838	563309.9	4234766	4.78E-03	4.26E-03	8.11E-04	6.83E-04	3.86E-03	3.13E-03	6.32E-04	6.06E-04	4.72E-04	3.10E-04
839	563310.1	4234757	4.65E-03	4.15E-03	7.89E-04	6.65E-04	3.75E-03	3.04E-03	6.15E-04	5.90E-04	4.59E-04	3.01E-04
840	563310.2	4234748	4.51E-03	4.02E-03	7.65E-04	6.45E-04	3.64E-03	2.95E-03	5.96E-04	5.72E-04	4.45E-04	2.92E-04
841	563310.4	4234738	4.37E-03	3.89E-03	7.41E-04	6.24E-04	3.53E-03	2.86E-03	5.77E-04	5.54E-04	4.31E-04	2.83E-04
842	563310.6	4234729	4.22E-03	3.76E-03	7.16E-04	6.03E-04	3.41E-03	2.76E-03	5.58E-04	5.35E-04	4.17E-04	2.73E-04
843	563319	4234813	4.63E-03	4.13E-03	7.85E-04	6.61E-04	3.73E-03	3.03E-03	6.12E-04	5.87E-04	4.57E-04	3.00E-04
844	563319.2	4234804	4.55E-03	4.06E-03	7.72E-04	6.51E-04	3.67E-03	2.98E-03	6.02E-04	5.77E-04	4.49E-04	2.95E-04
845	563319.4	4234794	4.46E-03	3.98E-03	7.57E-04	6.38E-04	3.60E-03	2.92E-03	5.90E-04	5.66E-04	4.41E-04	2.89E-04
846	563319.5	4234785	4.36E-03	3.89E-03	7.41E-04	6.24E-04	3.52E-03	2.86E-03	5.77E-04	5.54E-04	4.31E-04	2.83E-04
847	563319.7	4234776	4.27E-03	3.81E-03	7.25E-04	6.11E-04	3.45E-03	2.79E-03	5.65E-04	5.42E-04	4.22E-04	2.77E-04
848	563319.9	4234766	4.17E-03	3.72E-03	7.07E-04	5.96E-04	3.36E-03	2.73E-03	5.51E-04	5.29E-04	4.11E-04	2.70E-04
849	563320.1	4234757	4.05E-03	3.62E-03	6.88E-04	5.80E-04	3.27E-03	2.65E-03	5.36E-04	5.14E-04	4.00E-04	2.63E-04
850	563320.2	4234748	3.94E-03	3.51E-03	6.68E-04	5.63E-04	3.18E-03	2.58E-03	5.21E-04	5.00E-04	3.89E-04	2.55E-04
851	563320.4	4234738	3.82E-03	3.41E-03	6.48E-04	5.46E-04	3.08E-03	2.50E-03	5.05E-04	4.84E-04	3.77E-04	2.47E-04
852	563320.6	4234729	3.70E-03	3.30E-03	6.27E-04	5.29E-04	2.98E-03	2.42E-03	4.89E-04	4.69E-04	3.65E-04	2.40E-04
853	563329	4234813	4.09E-03	3.65E-03	6.94E-04	5.85E-04	3.30E-03	2.68E-03	5.41E-04	5.19E-04	4.04E-04	2.65E-04
854	563329.2	4234804	4.02E-03	3.58E-03	6.81E-04	5.74E-04	3.24E-03	2.63E-03	5.31E-04	5.09E-04	3.97E-04	2.60E-04
855	563329.4	4234795	3.93E-03	3.51E-03	6.67E-04	5.62E-04	3.18E-03	2.57E-03	5.20E-04	4.99E-04	3.88E-04	2.55E-04
856	563329.5	4234785	3.84E-03	3.43E-03	6.52E-04	5.50E-04	3.10E-03	2.52E-03	5.08E-04	4.88E-04	3.80E-04	2.49E-04
857	563329.7	4234776	3.76E-03	3.36E-03	6.38E-04	5.38E-04	3.04E-03	2.46E-03	4.98E-04	4.77E-04	3.72E-04	2.44E-04
858	563329.9	4234767	3.68E-03	3.28E-03	6.24E-04	5.26E-04	2.97E-03	2.40E-03	4.86E-04	4.66E-04	3.63E-04	2.38E-04
859	563330	4234757	3.58E-03	3.19E-03	6.08E-04	5.12E-04	2.89E-03	2.34E-03	4.74E-04	4.54E-04	3.54E-04	2.32E-04
860	563330.2	4234748	3.48E-03	3.11E-03	5.91E-04	4.98E-04	2.81E-03	2.28E-03	4.61E-04	4.42E-04	3.44E-04	2.26E-04
861	563330.4	4234739	3.38E-03	3.02E-03	5.74E-04	4.84E-04	2.73E-03	2.21E-03	4.47E-04	4.29E-04	3.34E-04	2.19E-04
862	563330.6	4234729	3.28E-03	2.93E-03	5.57E-04	4.69E-04	2.65E-03	2.15E-03	4.34E-04	4.16E-04	3.24E-04	2.13E-04
863	563349.2	4234804	3.23E-03	2.88E-03	5.48E-04	4.62E-04	2.61E-03	2.11E-03	4.27E-04	4.10E-04	3.19E-04	2.09E-04
864	563349.4	4234795	3.18E-03	2.83E-03	5.39E-04	4.54E-04	2.56E-03	2.08E-03	4.20E-04	4.03E-04	3.14E-04	2.06E-04
865	563349.5	4234786	3.12E-03	2.78E-03	5.29E-04	4.46E-04	2.52E-03	2.04E-03	4.12E-04	3.95E-04	3.08E-04	2.02E-04
866	563349.7	4234776	3.05E-03	2.72E-03	5.18E-04	4.36E-04	2.46E-03	2.00E-03	4.03E-04	3.87E-04	3.01E-04	1.98E-04
867	563349.9	4234767	2.98E-03	2.66E-03	5.05E-04	4.26E-04	2.40E-03	1.95E-03	3.94E-04	3.78E-04	2.94E-04	1.93E-04

868	563350	4234758	2.90E-03	2.59E-03	4.93E-04	4.15E-04	2.34E-03	1.90E-03	3.84E-04	3.68E-04	2.87E-04	1.88E-04
869	563350.2	4234748	2.83E-03	2.53E-03	4.81E-04	4.05E-04	2.29E-03	1.85E-03	3.75E-04	3.59E-04	2.80E-04	1.84E-04
870	563350.4	4234739	2.76E-03	2.46E-03	4.69E-04	3.95E-04	2.23E-03	1.81E-03	3.65E-04	3.50E-04	2.73E-04	1.79E-04
871	563350.6	4234730	2.69E-03	2.40E-03	4.56E-04	3.85E-04	2.17E-03	1.76E-03	3.56E-04	3.41E-04	2.66E-04	1.74E-04
872	563369	4234814	2.69E-03	2.40E-03	4.57E-04	3.85E-04	2.18E-03	1.76E-03	3.56E-04	3.42E-04	2.66E-04	1.75E-04
873	563369.2	4234805	2.67E-03	2.38E-03	4.53E-04	3.82E-04	2.16E-03	1.75E-03	3.53E-04	3.39E-04	2.64E-04	1.73E-04
874	563369.4	4234795	2.64E-03	2.36E-03	4.49E-04	3.78E-04	2.14E-03	1.73E-03	3.50E-04	3.36E-04	2.61E-04	1.71E-04
875	563369.5	4234786	2.61E-03	2.33E-03	4.43E-04	3.74E-04	2.11E-03	1.71E-03	3.45E-04	3.31E-04	2.58E-04	1.69E-04
876	563369.7	4234777	2.55E-03	2.28E-03	4.33E-04	3.65E-04	2.06E-03	1.67E-03	3.38E-04	3.24E-04	2.52E-04	1.65E-04
877	563369.9	4234767	2.49E-03	2.22E-03	4.23E-04	3.56E-04	2.01E-03	1.63E-03	3.30E-04	3.16E-04	2.46E-04	1.62E-04
878	563370	4234758	2.43E-03	2.17E-03	4.12E-04	3.47E-04	1.96E-03	1.59E-03	3.21E-04	3.08E-04	2.40E-04	1.57E-04
879	563370.2	4234749	2.38E-03	2.12E-03	4.03E-04	3.40E-04	1.92E-03	1.56E-03	3.14E-04	3.02E-04	2.35E-04	1.54E-04
880	563370.4	4234739	2.33E-03	2.08E-03	3.95E-04	3.33E-04	1.88E-03	1.52E-03	3.08E-04	2.95E-04	2.30E-04	1.51E-04
881	563370.6	4234730	2.27E-03	2.03E-03	3.86E-04	3.25E-04	1.84E-03	1.49E-03	3.01E-04	2.89E-04	2.25E-04	1.47E-04
882	563389.2	4234805	2.25E-03	2.01E-03	3.81E-04	3.22E-04	1.82E-03	1.47E-03	2.97E-04	2.85E-04	2.22E-04	1.46E-04
883	563389.4	4234796	2.23E-03	1.99E-03	3.79E-04	3.19E-04	1.80E-03	1.46E-03	2.95E-04	2.83E-04	2.20E-04	1.45E-04
884	563389.5	4234786	2.21E-03	1.97E-03	3.75E-04	3.16E-04	1.79E-03	1.45E-03	2.93E-04	2.81E-04	2.18E-04	1.43E-04
885	563389.7	4234777	2.17E-03	1.93E-03	3.68E-04	3.10E-04	1.75E-03	1.42E-03	2.87E-04	2.75E-04	2.14E-04	1.41E-04
886	563389.9	4234768	2.12E-03	1.89E-03	3.60E-04	3.04E-04	1.71E-03	1.39E-03	2.81E-04	2.69E-04	2.10E-04	1.38E-04
887	563390	4234758	2.08E-03	1.85E-03	3.52E-04	2.97E-04	1.68E-03	1.36E-03	2.75E-04	2.63E-04	2.05E-04	1.35E-04
888	563390.2	4234749	2.04E-03	1.82E-03	3.46E-04	2.92E-04	1.65E-03	1.33E-03	2.70E-04	2.59E-04	2.01E-04	1.32E-04
889	563390.4	4234740	2.00E-03	1.79E-03	3.40E-04	2.86E-04	1.62E-03	1.31E-03	2.65E-04	2.54E-04	1.98E-04	1.30E-04
890	563390.5	4234730	1.96E-03	1.75E-03	3.33E-04	2.81E-04	1.59E-03	1.28E-03	2.60E-04	2.49E-04	1.94E-04	1.27E-04
891	563409	4234815	1.93E-03	1.72E-03	3.28E-04	2.76E-04	1.56E-03	1.26E-03	2.55E-04	2.45E-04	1.91E-04	1.25E-04
892	563409.2	4234805	1.92E-03	1.71E-03	3.25E-04	2.74E-04	1.55E-03	1.25E-03	2.53E-04	2.43E-04	1.89E-04	1.24E-04
893	563409.4	4234796	1.90E-03	1.69E-03	3.22E-04	2.71E-04	1.53E-03	1.24E-03	2.51E-04	2.41E-04	1.87E-04	1.23E-04
894	563409.5	4234787	1.88E-03	1.68E-03	3.19E-04	2.69E-04	1.52E-03	1.23E-03	2.48E-04	2.38E-04	1.85E-04	1.22E-04
895	563409.7	4234777	1.86E-03	1.66E-03	3.15E-04	2.65E-04	1.50E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
896	563409.9	4234768	1.83E-03	1.63E-03	3.10E-04	2.62E-04	1.48E-03	1.20E-03	2.42E-04	2.32E-04	1.81E-04	1.19E-04
897	563410	4234759	1.80E-03	1.61E-03	3.06E-04	2.58E-04	1.45E-03	1.18E-03	2.38E-04	2.29E-04	1.78E-04	1.17E-04
898	563410.2	4234749	1.78E-03	1.58E-03	3.01E-04	2.54E-04	1.43E-03	1.16E-03	2.35E-04	2.25E-04	1.75E-04	1.15E-04
899	563410.4	4234740	1.75E-03	1.56E-03	2.97E-04	2.50E-04	1.41E-03	1.14E-03	2.31E-04	2.22E-04	1.73E-04	1.13E-04
900	563410.5	4234731	1.72E-03	1.54E-03	2.92E-04	2.46E-04	1.39E-03	1.13E-03	2.28E-04	2.18E-04	1.70E-04	1.12E-04
901	563429.2	4234806	1.66E-03	1.48E-03	2.81E-04	2.37E-04	1.34E-03	1.08E-03	2.19E-04	2.10E-04	1.64E-04	1.07E-04
902	563429.4	4234796	1.64E-03	1.46E-03	2.78E-04	2.35E-04	1.32E-03	1.07E-03	2.17E-04	2.08E-04	1.62E-04	1.06E-04
903	563429.5	4234787	1.62E-03	1.45E-03	2.75E-04	2.32E-04	1.31E-03	1.06E-03	2.14E-04	2.06E-04	1.60E-04	1.05E-04
904	563429.7	4234778	1.61E-03	1.44E-03	2.73E-04	2.30E-04	1.30E-03	1.05E-03	2.13E-04	2.04E-04	1.59E-04	1.04E-04
905	563429.9	4234768	1.60E-03	1.43E-03	2.71E-04	2.29E-04	1.29E-03	1.05E-03	2.11E-04	2.03E-04	1.58E-04	1.04E-04
906	563430	4234759	1.58E-03	1.41E-03	2.69E-04	2.26E-04	1.28E-03	1.04E-03	2.09E-04	2.01E-04	1.56E-04	1.03E-04
907	563430.2	4234750	1.57E-03	1.40E-03	2.66E-04	2.24E-04	1.26E-03	1.02E-03	2.07E-04	1.99E-04	1.55E-04	1.01E-04
908	563430.4	4234740	1.55E-03	1.38E-03	2.62E-04	2.21E-04	1.25E-03	1.01E-03	2.05E-04	1.96E-04	1.53E-04	1.00E-04
909	563430.5	4234731	1.53E-03	1.36E-03	2.59E-04	2.18E-04	1.23E-03	9.99E-04	2.02E-04	1.94E-04	1.51E-04	9.90E-05
910	563449.2	4234806	1.46E-03	1.30E-03	2.48E-04	2.09E-04	1.18E-03	9.55E-04	1.93E-04	1.85E-04	1.44E-04	9.45E-05
911	563449.3	4234797	1.45E-03	1.29E-03	2.45E-04	2.07E-04	1.17E-03	9.46E-04	1.91E-04	1.83E-04	1.43E-04	9.37E-05
912	563449.5	4234787	1.43E-03	1.28E-03	2.43E-04	2.05E-04	1.16E-03	9.37E-04	1.89E-04	1.82E-04	1.41E-04	9.28E-05
913	563449.7	4234778	1.42E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.32E-04	1.88E-04	1.81E-04	1.41E-04	9.23E-05
914	563449.9	4234769	1.42E-03	1.26E-03	2.40E-04	2.02E-04	1.14E-03	9.26E-04	1.87E-04	1.80E-04	1.40E-04	9.17E-05
915	563450	4234759	1.41E-03	1.25E-03	2.38E-04	2.01E-04	1.13E-03	9.20E-04	1.86E-04	1.78E-04	1.39E-04	9.11E-05
916	563450.2	4234750	1.39E-03	1.24E-03	2.36E-04	1.99E-04	1.13E-03	9.12E-04	1.84E-04	1.77E-04	1.38E-04	9.03E-05
917	563450.4	4234741	1.38E-03	1.23E-03	2.34E-04	1.97E-04	1.11E-03	9.03E-04	1.83E-04	1.75E-04	1.36E-04	8.95E-05
918	563450.5	4234731	1.37E-03	1.22E-03	2.32E-04	1.96E-04	1.10E-03	8.95E-04	1.81E-04	1.73E-04	1.35E-04	8.86E-05
919	563469.3	4234797	1.31E-03	1.16E-03	2.22E-04	1.87E-04	1.05E-03	8.55E-04	1.73E-04	1.66E-04	1.29E-04	8.46E-05
920	563469.5	4234788	1.29E-03	1.15E-03	2.19E-04	1.85E-04	1.04E-03	8.46E-04	1.71E-04	1.64E-04	1.28E-04	8.38E-05
921	563469.7	4234778	1.29E-03	1.15E-03	2.19E-04	1.84E-04	1.04E-03	8.43E-04	1.70E-04	1.63E-04	1.27E-04	8.35E-05
922	563469.9	4234769	1.28E-03	1.15E-03	2.18E-04	1.84E-04	1.04E-03	8.40E-04	1.70E-04	1.63E-04	1.27E-04	8.32E-05
923	563470	4234760	1.28E-03	1.14E-03	2.17E-04	1.83E-04	1.03E-03	8.36E-04	1.69E-04	1.62E-04	1.26E-04	8.28E-05
924	563470.2	4234750	1.27E-03	1.13E-03	2.15E-04	1.81E-04	1.02E-03	8.29E-04	1.68E-04	1.61E-04	1.25E-04	8.21E-05
925	563470.4	4234741	1.25E-03	1.12E-03	2.12E-04	1.79E-04	1.01E-03	8.19E-04	1.66E-04	1.59E-04	1.24E-04	8.11E-05
926	563470.5	4234732	1.24E-03	1.10E-03	2.10E-04	1.77E-04	9.99E-04	8.09E-04	1.64E-04	1.57E-04	1.22E-04	8.02E-05
927	563489.5	4234788	1.19E-03	1.06E-03	2.01E-04	1.70E-04	9.57E-04	7.76E-04	1.57E-04	1.50E-04	1.17E-04	7.69E-05
928	563489.7	4234779	1.18E-03	1.05E-03	2.00E-04	1.69E-04	9.53E-04	7.73E-04	1.56E-04	1.50E-04	1.17E-04	7.65E-05
929	563489.9	4234770	1.18E-03	1.05E-03	2.00E-04	1.68E-04	9.50E-04	7.70E-04	1.56E-04	1.49E-04	1.16E-04	7.62E-05
930	563490	4234760	1.17E-03	1.04E-03	1.99E-04	1.67E-04	9.45E-04	7.66E-04	1.55E-04	1.49E-04	1.16E-04	7.59E-05
931	563490.2	4234751	1.16E-03	1.03E-03	1.97E-04	1.66E-04	9.37E-04	7.59E-04	1.53E-04	1.47E-04	1.15E-04	7.52E-05
932	563490.4	4234742	1.15E-03	1.02E-03	1.95E-04	1.64E-04	9.26E-04	7.50E-04	1.52E-04	1.45E-04	1.13E-04	7.43E-05
933	563490.5	4234732	1.13E-03	1.01E-03	1.92E-04	1.62E-04	9.15E-04	7.41E-04	1.50E-04	1.44E-04	1.12E-04	7.34E-05
934	563509.7	4234779	1.09E-03	9.71E-04	1.85E-04	1.56E-04	8.79E-04	7.12E-04	1.44E-04	1.38E-04	1.08E-04	7.06E-05

935	563509.8	4234770	1.08E-03	9.61E-04	1.83E-04	1.54E-04	8.70E-04	7.05E-04	1.42E-04	1.37E-04	1.06E-04	6.98E-05
936	563510	4234761	1.07E-03	9.50E-04	1.81E-04	1.52E-04	8.60E-04	6.97E-04	1.41E-04	1.35E-04	1.05E-04	6.90E-05
937	563510.2	4234751	1.06E-03	9.44E-04	1.80E-04	1.51E-04	8.55E-04	6.93E-04	1.40E-04	1.34E-04	1.05E-04	6.86E-05
938	563510.4	4234742	1.06E-03	9.42E-04	1.79E-04	1.51E-04	8.53E-04	6.91E-04	1.40E-04	1.34E-04	1.04E-04	6.85E-05
939	563510.5	4234733	1.05E-03	9.40E-04	1.79E-04	1.51E-04	8.51E-04	6.90E-04	1.39E-04	1.34E-04	1.04E-04	6.83E-05
940	563529.2	4234808	9.98E-04	8.91E-04	1.69E-04	1.43E-04	8.06E-04	6.53E-04	1.32E-04	1.27E-04	9.86E-05	6.47E-05
941	563529.3	4234798	1.00E-03	8.93E-04	1.70E-04	1.43E-04	8.08E-04	6.55E-04	1.32E-04	1.27E-04	9.88E-05	6.49E-05
942	563529.5	4234789	1.00E-03	8.94E-04	1.70E-04	1.43E-04	8.10E-04	6.56E-04	1.33E-04	1.27E-04	9.90E-05	6.50E-05
943	563529.7	4234780	9.94E-04	8.87E-04	1.69E-04	1.42E-04	8.03E-04	6.51E-04	1.31E-04	1.26E-04	9.82E-05	6.44E-05
944	563529.8	4234770	9.83E-04	8.77E-04	1.67E-04	1.41E-04	7.93E-04	6.43E-04	1.30E-04	1.25E-04	9.70E-05	6.37E-05
945	563530	4234761	9.72E-04	8.67E-04	1.65E-04	1.39E-04	7.85E-04	6.36E-04	1.29E-04	1.23E-04	9.60E-05	6.30E-05
946	563530.2	4234752	9.67E-04	8.63E-04	1.64E-04	1.38E-04	7.81E-04	6.33E-04	1.28E-04	1.23E-04	9.55E-05	6.27E-05
947	563530.4	4234742	9.68E-04	8.64E-04	1.64E-04	1.38E-04	7.82E-04	6.34E-04	1.28E-04	1.23E-04	9.56E-05	6.27E-05
948	563530.5	4234733	9.69E-04	8.64E-04	1.64E-04	1.39E-04	7.82E-04	6.34E-04	1.28E-04	1.23E-04	9.57E-05	6.28E-05
949	563569.2	4234808	8.33E-04	7.43E-04	1.41E-04	1.19E-04	6.73E-04	5.45E-04	1.10E-04	1.06E-04	8.23E-05	5.40E-05
950	563569.3	4234799	8.36E-04	7.45E-04	1.42E-04	1.19E-04	6.75E-04	5.47E-04	1.10E-04	1.06E-04	8.25E-05	5.42E-05
951	563569.5	4234790	8.38E-04	7.47E-04	1.42E-04	1.20E-04	6.76E-04	5.48E-04	1.11E-04	1.06E-04	8.27E-05	5.43E-05
952	563569.7	4234780	8.39E-04	7.48E-04	1.42E-04	1.20E-04	6.77E-04	5.49E-04	1.11E-04	1.06E-04	8.28E-05	5.44E-05
953	563569.8	4234771	8.40E-04	7.49E-04	1.42E-04	1.20E-04	6.78E-04	5.50E-04	1.11E-04	1.07E-04	8.29E-05	5.44E-05
954	563570	4234762	8.42E-04	7.51E-04	1.43E-04	1.20E-04	6.80E-04	5.51E-04	1.11E-04	1.07E-04	8.31E-05	5.46E-05
955	563570.5	4234734	8.53E-04	7.61E-04	1.45E-04	1.22E-04	6.89E-04	5.58E-04	1.13E-04	1.08E-04	8.42E-05	5.53E-05
956	563609.3	4234800	7.27E-04	6.48E-04	1.23E-04	1.04E-04	5.87E-04	4.76E-04	9.61E-05	9.22E-05	7.18E-05	4.71E-05
957	563609.5	4234790	7.21E-04	6.43E-04	1.22E-04	1.03E-04	5.82E-04	4.72E-04	9.53E-05	9.14E-05	7.12E-05	4.67E-05
958	563609.7	4234781	7.20E-04	6.42E-04	1.22E-04	1.03E-04	5.81E-04	4.71E-04	9.52E-05	9.13E-05	7.11E-05	4.67E-05
959	563609.8	4234772	7.24E-04	6.45E-04	1.23E-04	1.03E-04	5.84E-04	4.73E-04	9.57E-05	9.18E-05	7.15E-05	4.69E-05
960	563610	4234762	7.27E-04	6.49E-04	1.23E-04	1.04E-04	5.87E-04	4.76E-04	9.62E-05	9.23E-05	7.18E-05	4.71E-05
961	563610.2	4234753	7.32E-04	6.53E-04	1.24E-04	1.05E-04	5.91E-04	4.79E-04	9.68E-05	9.29E-05	7.23E-05	4.75E-05
962	563649.1	4234810	6.23E-04	5.56E-04	1.06E-04	8.91E-05	5.03E-04	4.08E-04	8.24E-05	7.90E-05	6.15E-05	4.04E-05
963	563649.3	4234800	6.25E-04	5.57E-04	1.06E-04	8.93E-05	5.04E-04	4.09E-04	8.26E-05	7.93E-05	6.17E-05	4.05E-05
964	563649.5	4234791	6.27E-04	5.59E-04	1.06E-04	8.97E-05	5.06E-04	4.10E-04	8.29E-05	7.96E-05	6.19E-05	4.06E-05
965	563649.7	4234782	6.30E-04	5.62E-04	1.07E-04	9.01E-05	5.09E-04	4.12E-04	8.33E-05	7.99E-05	6.22E-05	4.08E-05
966	563649.8	4234772	6.33E-04	5.65E-04	1.07E-04	9.05E-05	5.11E-04	4.14E-04	8.37E-05	8.03E-05	6.25E-05	4.10E-05
967	563650	4234763	6.37E-04	5.68E-04	1.08E-04	9.11E-05	5.14E-04	4.17E-04	8.42E-05	8.08E-05	6.29E-05	4.13E-05
968	563650.2	4234754	6.41E-04	5.72E-04	1.09E-04	9.16E-05	5.17E-04	4.19E-04	8.47E-05	8.13E-05	6.33E-05	4.15E-05
969	563689.3	4234801	5.39E-04	4.81E-04	9.15E-05	7.71E-05	4.35E-04	3.53E-04	7.13E-05	6.84E-05	5.32E-05	3.49E-05
970	563689.5	4234792	5.42E-04	4.84E-04	9.20E-05	7.76E-05	4.38E-04	3.55E-04	7.17E-05	6.88E-05	5.36E-05	3.51E-05
971	563689.6	4234783	5.46E-04	4.87E-04	9.26E-05	7.80E-05	4.41E-04	3.57E-04	7.22E-05	6.92E-05	5.39E-05	3.54E-05
972	563689.8	4234773	5.48E-04	4.89E-04	9.30E-05	7.84E-05	4.43E-04	3.59E-04	7.25E-05	6.95E-05	5.41E-05	3.55E-05
973	563690	4234764	5.51E-04	4.91E-04	9.34E-05	7.88E-05	4.45E-04	3.60E-04	7.28E-05	6.99E-05	5.44E-05	3.57E-05
974	563729.5	4234793	4.70E-04	4.19E-04	7.97E-05	6.72E-05	3.79E-04	3.07E-04	6.21E-05	5.96E-05	4.64E-05	3.04E-05
975	563729.6	4234783	4.73E-04	4.22E-04	8.03E-05	6.77E-05	3.82E-04	3.10E-04	6.26E-05	6.01E-05	4.67E-05	3.07E-05
976	563729.8	4234774	4.75E-04	4.24E-04	8.06E-05	6.80E-05	3.84E-04	3.11E-04	6.28E-05	6.03E-05	4.69E-05	3.08E-05
977	563809.8	4234775	3.70E-04	3.30E-04	6.29E-05	5.30E-05	2.99E-04	2.42E-04	4.90E-05	4.70E-05	3.66E-05	2.40E-05
978	563929.3	4234806	2.32E-04	2.07E-04	3.94E-05	3.32E-05	1.88E-04	1.52E-04	3.07E-05	2.95E-05	2.29E-05	1.51E-05
979	563929.8	4234778	2.51E-04	2.24E-04	4.26E-05	3.59E-05	2.03E-04	1.64E-04	3.32E-05	3.19E-05	2.48E-05	1.63E-05
980	563929.9	4234768	2.56E-04	2.28E-04	4.34E-05	3.66E-05	2.07E-04	1.68E-04	3.38E-05	3.25E-05	2.53E-05	1.66E-05
981	563930.1	4234759	2.61E-04	2.33E-04	4.42E-05	3.73E-05	2.11E-04	1.71E-04	3.45E-05	3.31E-05	2.58E-05	1.69E-05
982	563930.3	4234750	2.68E-04	2.39E-04	4.55E-05	3.83E-05	2.16E-04	1.75E-04	3.54E-05	3.40E-05	2.65E-05	1.74E-05
983	563251.1	4234713	1.27E-02	1.13E-02	2.15E-03	1.81E-03	1.02E-02	8.30E-03	1.68E-03	1.61E-03	1.25E-03	8.22E-04
984	563251.7	4234698	1.14E-02	1.02E-02	1.94E-03	1.63E-03	9.21E-03	7.47E-03	1.51E-03	1.45E-03	1.13E-03	7.39E-04
985	563261.1	4234713	9.69E-03	8.65E-03	1.64E-03	1.39E-03	7.83E-03	6.34E-03	1.28E-03	1.23E-03	9.57E-04	6.28E-04
986	563261.7	4234698	8.77E-03	7.82E-03	1.49E-03	1.25E-03	7.08E-03	5.74E-03	1.16E-03	1.11E-03	8.66E-04	5.68E-04
987	563271.1	4234714	7.71E-03	6.87E-03	1.31E-03	1.10E-03	6.22E-03	5.04E-03	1.02E-03	9.78E-04	7.61E-04	4.99E-04
988	563271.7	4234698	7.03E-03	6.27E-03	1.19E-03	1.01E-03	5.68E-03	4.60E-03	9.30E-04	8.93E-04	6.95E-04	4.56E-04
989	563281.1	4234714	6.31E-03	5.63E-03	1.07E-03	9.03E-04	5.10E-03	4.13E-03	8.35E-04	8.01E-04	6.23E-04	4.09E-04
990	563281.7	4234699	5.79E-03	5.16E-03	9.82E-04	8.28E-04	4.67E-03	3.79E-03	7.65E-04	7.34E-04	5.72E-04	3.75E-04
991	563291.1	4234714	5.30E-03	4.73E-03	8.99E-04	7.58E-04	4.28E-03	3.47E-03	7.01E-04	6.73E-04	5.23E-04	3.44E-04
992	563291.7	4234699	4.88E-03	4.35E-03	8.28E-04	6.98E-04	3.94E-03	3.19E-03	6.45E-04	6.19E-04	4.82E-04	3.16E-04
993	563301.1	4234715	4.55E-03	4.06E-03	7.71E-04	6.50E-04	3.67E-03	2.97E-03	6.01E-04	5.77E-04	4.49E-04	2.95E-04
994	563301.7	4234699	4.20E-03	3.75E-03	7.13E-04	6.01E-04	3.39E-03	2.75E-03	5.55E-04	5.33E-04	4.15E-04	2.72E-04
995	563311.1	4234715	3.96E-03	3.53E-03	6.72E-04	5.66E-04	3.20E-03	2.59E-03	5.24E-04	5.03E-04	3.91E-04	2.57E-04
996	563311.7	4234700	3.69E-03	3.29E-03	6.26E-04	5.28E-04	2.98E-03	2.41E-03	4.88E-04	4.68E-04	3.64E-04	2.39E-04
997	563321.1	4234715	3.50E-03	3.12E-03	5.94E-04	5.00E-04	2.82E-03	2.29E-03	4.63E-04	4.44E-04	3.45E-04	2.27E-04
998	563321.7	4234700	3.29E-03	2.93E-03	5.58E-04	4.70E-04	2.65E-03	2.15E-03	4.35E-04	4.17E-04	3.25E-04	2.13E-04
999	563331.1	4234716	3.13E-03	2.79E-03	5.30E-04	4.47E-04	2.52E-03	2.05E-03	4.13E-04	3.97E-04	3.09E-04	2.03E-04
1000	563331.7	4234701	2.96E-03	2.64E-03	5.02E-04	4.23E-04	2.39E-03	1.94E-03	3.91E-04	3.76E-04	2.92E-04	1.92E-04
1001	563351.1	4234717	2.58E-03	2.30E-03	4.38E-04	3.69E-04	2.09E-03	1.69E-03	3.42E-04	3.28E-04	2.55E-04	1.67E-04

1002	563351.6	4234701	2.47E-03	2.20E-03	4.19E-04	3.53E-04	1.99E-03	1.61E-03	3.26E-04	3.13E-04	2.44E-04	1.60E-04
1003	563371.1	4234717	2.19E-03	1.96E-03	3.72E-04	3.14E-04	1.77E-03	1.44E-03	2.90E-04	2.79E-04	2.17E-04	1.42E-04
1004	563371.6	4234702	2.10E-03	1.88E-03	3.57E-04	3.01E-04	1.70E-03	1.38E-03	2.78E-04	2.67E-04	2.08E-04	1.36E-04
1005	563391	4234718	1.90E-03	1.69E-03	3.22E-04	2.71E-04	1.53E-03	1.24E-03	2.51E-04	2.41E-04	1.87E-04	1.23E-04
1006	563391.6	4234703	1.81E-03	1.62E-03	3.08E-04	2.59E-04	1.46E-03	1.19E-03	2.40E-04	2.30E-04	1.79E-04	1.18E-04
1007	563411	4234719	1.68E-03	1.50E-03	2.85E-04	2.40E-04	1.36E-03	1.10E-03	2.22E-04	2.13E-04	1.66E-04	1.09E-04
1008	563411.6	4234704	1.62E-03	1.45E-03	2.75E-04	2.32E-04	1.31E-03	1.06E-03	2.15E-04	2.06E-04	1.60E-04	1.05E-04
1009	563431	4234720	1.50E-03	1.34E-03	2.55E-04	2.15E-04	1.21E-03	9.82E-04	1.98E-04	1.90E-04	1.48E-04	9.72E-05
1010	563431.6	4234704	1.47E-03	1.31E-03	2.49E-04	2.10E-04	1.18E-03	9.59E-04	1.94E-04	1.86E-04	1.45E-04	9.50E-05
1011	563451	4234720	1.35E-03	1.20E-03	2.29E-04	1.93E-04	1.09E-03	8.83E-04	1.78E-04	1.71E-04	1.33E-04	8.74E-05
1012	563451.6	4234705	1.32E-03	1.18E-03	2.25E-04	1.89E-04	1.07E-03	8.66E-04	1.75E-04	1.68E-04	1.31E-04	8.58E-05
1013	563471	4234721	1.22E-03	1.09E-03	2.07E-04	1.75E-04	9.86E-04	7.99E-04	1.62E-04	1.55E-04	1.21E-04	7.92E-05
1014	563471.6	4234706	1.20E-03	1.07E-03	2.04E-04	1.72E-04	9.72E-04	7.88E-04	1.59E-04	1.53E-04	1.19E-04	7.81E-05
1015	563491	4234722	1.12E-03	1.00E-03	1.90E-04	1.60E-04	9.05E-04	7.34E-04	1.48E-04	1.42E-04	1.11E-04	7.26E-05
1016	563491.5	4234707	1.11E-03	9.91E-04	1.89E-04	1.59E-04	8.97E-04	7.27E-04	1.47E-04	1.41E-04	1.10E-04	7.20E-05
1017	563511	4234723	1.05E-03	9.37E-04	1.78E-04	1.50E-04	8.48E-04	6.88E-04	1.39E-04	1.33E-04	1.04E-04	6.81E-05
1018	563511.5	4234707	1.05E-03	9.34E-04	1.78E-04	1.50E-04	8.45E-04	6.85E-04	1.38E-04	1.33E-04	1.03E-04	6.78E-05
1019	563530.9	4234723	9.69E-04	8.64E-04	1.64E-04	1.39E-04	7.82E-04	6.34E-04	1.28E-04	1.23E-04	9.57E-05	6.28E-05
1020	563531.5	4234708	9.68E-04	8.64E-04	1.64E-04	1.38E-04	7.82E-04	6.34E-04	1.28E-04	1.23E-04	9.56E-05	6.27E-05
1021	563571.2	4234717	8.60E-04	7.67E-04	1.46E-04	1.23E-04	6.94E-04	5.63E-04	1.14E-04	1.09E-04	8.49E-05	5.57E-05
1022	563611.2	4234719	7.58E-04	6.76E-04	1.29E-04	1.08E-04	6.12E-04	4.96E-04	1.00E-04	9.62E-05	7.49E-05	4.91E-05
1023	563690.3	4234745	5.59E-04	4.99E-04	9.48E-05	7.99E-05	4.51E-04	3.66E-04	7.39E-05	7.09E-05	5.52E-05	3.62E-05
1024	563251.7	4234682	1.00E-02	8.96E-03	1.70E-03	1.44E-03	8.11E-03	6.57E-03	1.33E-03	1.27E-03	9.92E-04	6.51E-04
1025	563261.7	4234682	7.81E-03	6.96E-03	1.32E-03	1.12E-03	6.30E-03	5.11E-03	1.03E-03	9.90E-04	7.71E-04	5.06E-04
1026	563271.7	4234689	6.64E-03	5.93E-03	1.13E-03	9.50E-04	5.36E-03	4.35E-03	8.79E-04	8.43E-04	6.56E-04	4.31E-04
1027	563281.7	4234689	5.50E-03	4.90E-03	9.33E-04	7.86E-04	4.44E-03	3.60E-03	7.27E-04	6.97E-04	5.43E-04	3.56E-04
1028	563291.7	4234689	4.66E-03	4.16E-03	7.91E-04	6.66E-04	3.76E-03	3.05E-03	6.16E-04	5.91E-04	4.60E-04	3.02E-04
1029	563301.7	4234689	4.03E-03	3.59E-03	6.83E-04	5.76E-04	3.25E-03	2.64E-03	5.33E-04	5.11E-04	3.98E-04	2.61E-04
1030	563311.7	4234689	3.55E-03	3.17E-03	6.02E-04	5.08E-04	2.87E-03	2.32E-03	4.69E-04	4.50E-04	3.51E-04	2.30E-04
1031	563321.7	4234689	3.17E-03	2.83E-03	5.38E-04	4.53E-04	2.56E-03	2.07E-03	4.19E-04	4.02E-04	3.13E-04	2.05E-04
1032	563331.7	4234689	2.86E-03	2.55E-03	4.86E-04	4.09E-04	2.31E-03	1.87E-03	3.78E-04	3.63E-04	2.83E-04	1.85E-04
1033	563351.7	4234689	2.38E-03	2.13E-03	4.04E-04	3.41E-04	1.92E-03	1.56E-03	3.15E-04	3.02E-04	2.35E-04	1.54E-04
1034	563371.7	4234689	2.03E-03	1.81E-03	3.45E-04	2.90E-04	1.64E-03	1.33E-03	2.69E-04	2.58E-04	2.01E-04	1.32E-04
1035	563391.7	4234689	1.76E-03	1.57E-03	2.98E-04	2.51E-04	1.42E-03	1.15E-03	2.32E-04	2.23E-04	1.74E-04	1.14E-04
1036	563411.7	4234689	1.57E-03	1.40E-03	2.67E-04	2.25E-04	1.27E-03	1.03E-03	2.08E-04	2.00E-04	1.55E-04	1.02E-04
1037	563431.7	4234689	1.43E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.33E-04	1.89E-04	1.81E-04	1.41E-04	9.24E-05
1038	563451.7	4234689	1.30E-03	1.16E-03	2.20E-04	1.86E-04	1.05E-03	8.50E-04	1.72E-04	1.65E-04	1.28E-04	8.42E-05
1039	563471.7	4234697	1.19E-03	1.07E-03	2.03E-04	1.71E-04	9.64E-04	7.82E-04	1.58E-04	1.52E-04	1.18E-04	7.74E-05
1040	563471.7	4234682	1.18E-03	1.05E-03	2.00E-04	1.68E-04	9.51E-04	7.70E-04	1.56E-04	1.49E-04	1.16E-04	7.63E-05
1041	563491.7	4234697	1.10E-03	9.85E-04	1.87E-04	1.58E-04	8.92E-04	7.23E-04	1.46E-04	1.40E-04	1.09E-04	7.16E-05
1042	563491.7	4234682	1.09E-03	9.70E-04	1.85E-04	1.56E-04	8.78E-04	7.12E-04	1.44E-04	1.38E-04	1.07E-04	7.05E-05
1043	563511.7	4234697	1.04E-03	9.30E-04	1.77E-04	1.49E-04	8.42E-04	6.83E-04	1.38E-04	1.32E-04	1.03E-04	6.76E-05
1044	563511.7	4234682	1.02E-03	9.08E-04	1.73E-04	1.46E-04	8.22E-04	6.66E-04	1.35E-04	1.29E-04	1.01E-04	6.60E-05
1045	563531.7	4234697	9.67E-04	8.63E-04	1.64E-04	1.38E-04	7.81E-04	6.33E-04	1.28E-04	1.23E-04	9.55E-05	6.27E-05
1046	563531.7	4234682	9.56E-04	8.53E-04	1.62E-04	1.37E-04	7.72E-04	6.26E-04	1.26E-04	1.21E-04	9.44E-05	6.20E-05
1047	563571.6	4234703	8.65E-04	7.71E-04	1.47E-04	1.24E-04	6.98E-04	5.66E-04	1.14E-04	1.10E-04	8.54E-05	5.60E-05
1048	563571.7	4234689	8.68E-04	7.74E-04	1.47E-04	1.24E-04	7.01E-04	5.68E-04	1.15E-04	1.10E-04	8.57E-05	5.63E-05
1049	563611.6	4234704	7.68E-04	6.85E-04	1.30E-04	1.10E-04	6.20E-04	5.03E-04	1.02E-04	9.75E-05	7.59E-05	4.98E-05
1050	563611.7	4234689	7.74E-04	6.90E-04	1.31E-04	1.11E-04	6.25E-04	5.07E-04	1.02E-04	9.82E-05	7.64E-05	5.02E-05
1051	563651.6	4234702	6.69E-04	5.97E-04	1.14E-04	9.57E-05	5.40E-04	4.38E-04	8.85E-05	8.49E-05	6.61E-05	4.34E-05
1052	563651.7	4234689	6.76E-04	6.03E-04	1.15E-04	9.66E-05	5.46E-04	4.42E-04	8.94E-05	8.57E-05	6.67E-05	4.38E-05
1053	563691.7	4234697	5.87E-04	5.24E-04	9.96E-05	8.39E-05	4.74E-04	3.84E-04	7.76E-05	7.45E-05	5.80E-05	3.80E-05
1054	563691.7	4234682	5.95E-04	5.31E-04	1.01E-04	8.52E-05	4.81E-04	3.90E-04	7.87E-05	7.56E-05	5.88E-05	3.86E-05
1055	563731.7	4234689	5.18E-04	4.62E-04	8.79E-05	7.41E-05	4.18E-04	3.39E-04	6.85E-05	6.57E-05	5.11E-05	3.36E-05
1056	563811.7	4234697	4.16E-04	3.71E-04	7.06E-05	5.95E-05	3.36E-04	2.72E-04	5.50E-05	5.28E-05	4.11E-05	2.70E-05
1057	563261.7	4234671	7.18E-03	6.41E-03	1.22E-03	1.03E-03	5.80E-03	4.70E-03	9.50E-04	9.12E-04	7.09E-04	4.66E-04
1058	563271.7	4234676	6.10E-03	5.44E-03	1.04E-03	8.72E-04	4.93E-03	3.99E-03	8.07E-04	7.74E-04	6.02E-04	3.95E-04
1059	563281.7	4234676	5.12E-03	4.57E-03	8.69E-04	7.33E-04	4.14E-03	3.35E-03	6.77E-04	6.50E-04	5.06E-04	3.32E-04
1060	563291.7	4234676	4.40E-03	3.92E-03	7.46E-04	6.29E-04	3.55E-03	2.88E-03	5.81E-04	5.58E-04	4.34E-04	2.85E-04
1061	563301.7	4234676	3.84E-03	3.42E-03	6.51E-04	5.49E-04	3.10E-03	2.51E-03	5.07E-04	4.87E-04	3.79E-04	2.49E-04
1062	563311.7	4234676	3.40E-03	3.03E-03	5.77E-04	4.86E-04	2.75E-03	2.22E-03	4.50E-04	4.31E-04	3.36E-04	2.20E-04
1063	563321.7	4234676	3.05E-03	2.72E-03	5.17E-04	4.36E-04	2.46E-03	1.99E-03	4.03E-04	3.87E-04	3.01E-04	1.98E-04
1064	563331.7	4234676	2.76E-03	2.46E-03	4.68E-04	3.95E-04	2.23E-03	1.81E-03	3.65E-04	3.50E-04	2.73E-04	1.79E-04
1065	563351.7	4234676	2.30E-03	2.05E-03	3.89E-04	3.28E-04	1.85E-03	1.50E-03	3.04E-04	2.91E-04	2.27E-04	1.49E-04
1066	563371.7	4234676	1.96E-03	1.75E-03	3.33E-04	2.80E-04	1.58E-03	1.28E-03	2.59E-04	2.49E-04	1.94E-04	1.27E-04
1067	563391.7	4234676	1.71E-03	1.53E-03	2.90E-04	2.45E-04	1.38E-03	1.12E-03	2.26E-04	2.17E-04	1.69E-04	1.11E-04
1068	563411.7	4234676	1.53E-03	1.36E-03	2.59E-04	2.18E-04	1.23E-03	1.00E-03	2.02E-04	1.94E-04	1.51E-04	9.90E-05

1069	563431.7	4234676	1.39E-03	1.24E-03	2.35E-04	1.98E-04	1.12E-03	9.07E-04	1.83E-04	1.76E-04	1.37E-04	8.98E-05
1070	563451.7	4234676	1.28E-03	1.14E-03	2.16E-04	1.82E-04	1.03E-03	8.35E-04	1.69E-04	1.62E-04	1.26E-04	8.27E-05
1071	563471.7	4234671	1.16E-03	1.04E-03	1.97E-04	1.66E-04	9.38E-04	7.60E-04	1.54E-04	1.47E-04	1.15E-04	7.53E-05
1072	563491.7	4234671	1.07E-03	9.56E-04	1.82E-04	1.53E-04	8.66E-04	7.02E-04	1.42E-04	1.36E-04	1.06E-04	6.95E-05
1073	563511.7	4234671	9.96E-04	8.89E-04	1.69E-04	1.43E-04	8.05E-04	6.52E-04	1.32E-04	1.26E-04	9.84E-05	6.46E-05
1074	563531.7	4234671	9.45E-04	8.43E-04	1.60E-04	1.35E-04	7.63E-04	6.18E-04	1.25E-04	1.20E-04	9.33E-05	6.12E-05
1075	563571.7	4234676	8.69E-04	7.75E-04	1.47E-04	1.24E-04	7.01E-04	5.69E-04	1.15E-04	1.10E-04	8.58E-05	5.63E-05
1076	563611.7	4234676	7.78E-04	6.94E-04	1.32E-04	1.11E-04	6.28E-04	5.09E-04	1.03E-04	9.87E-05	7.68E-05	5.04E-05
1077	563651.7	4234676	6.82E-04	6.08E-04	1.16E-04	9.75E-05	5.50E-04	4.46E-04	9.02E-05	8.65E-05	6.73E-05	4.42E-05
1078	563261.5	4234655	6.51E-03	5.81E-03	1.11E-03	9.31E-04	5.26E-03	4.26E-03	8.61E-04	8.26E-04	6.43E-04	4.22E-04
1079	563271.6	4234662	5.64E-03	5.03E-03	9.57E-04	8.06E-04	4.55E-03	3.69E-03	7.46E-04	7.16E-04	5.57E-04	3.65E-04
1080	563281.6	4234662	4.80E-03	4.28E-03	8.14E-04	6.86E-04	3.87E-03	3.14E-03	6.35E-04	6.09E-04	4.74E-04	3.11E-04
1081	563291.6	4234662	4.16E-03	3.71E-03	7.06E-04	5.95E-04	3.36E-03	2.72E-03	5.50E-04	5.28E-04	4.11E-04	2.70E-04
1082	563301.6	4234662	3.66E-03	3.26E-03	6.21E-04	5.23E-04	2.95E-03	2.39E-03	4.84E-04	4.64E-04	3.61E-04	2.37E-04
1083	563311.6	4234662	3.26E-03	2.91E-03	5.53E-04	4.66E-04	2.63E-03	2.13E-03	4.31E-04	4.13E-04	3.22E-04	2.11E-04
1084	563321.6	4234662	2.93E-03	2.61E-03	4.97E-04	4.19E-04	2.36E-03	1.92E-03	3.87E-04	3.72E-04	2.89E-04	1.90E-04
1085	563331.6	4234662	2.66E-03	2.37E-03	4.51E-04	3.80E-04	2.15E-03	1.74E-03	3.51E-04	3.37E-04	2.62E-04	1.72E-04
1086	563351.6	4234661	2.21E-03	1.97E-03	3.74E-04	3.16E-04	1.78E-03	1.44E-03	2.92E-04	2.80E-04	2.18E-04	1.43E-04
1087	563371.6	4234661	1.89E-03	1.68E-03	3.20E-04	2.70E-04	1.52E-03	1.23E-03	2.50E-04	2.39E-04	1.86E-04	1.22E-04
1088	563391.6	4234661	1.66E-03	1.48E-03	2.81E-04	2.37E-04	1.34E-03	1.08E-03	2.19E-04	2.10E-04	1.64E-04	1.07E-04
1089	563411.6	4234661	1.48E-03	1.32E-03	2.50E-04	2.11E-04	1.19E-03	9.66E-04	1.95E-04	1.87E-04	1.46E-04	9.57E-05
1090	563278.4	4234603	4.09E-03	3.65E-03	6.94E-04	5.85E-04	3.30E-03	2.68E-03	5.41E-04	5.19E-04	4.04E-04	2.65E-04
1091	563291.5	4234605	3.47E-03	3.10E-03	5.89E-04	4.96E-04	2.80E-03	2.27E-03	4.59E-04	4.40E-04	3.43E-04	2.25E-04
1092	563285.6	4234596	3.66E-03	3.26E-03	6.20E-04	5.23E-04	2.95E-03	2.39E-03	4.83E-04	4.64E-04	3.61E-04	2.37E-04
1093	563298.8	4234598	3.13E-03	2.79E-03	5.31E-04	4.48E-04	2.53E-03	2.05E-03	4.14E-04	3.97E-04	3.09E-04	2.03E-04
1094	563302.9	4234608	3.06E-03	2.73E-03	5.19E-04	4.38E-04	2.47E-03	2.00E-03	4.05E-04	3.88E-04	3.02E-04	1.98E-04
1095	563292.9	4234589	3.29E-03	2.94E-03	5.59E-04	4.71E-04	2.66E-03	2.15E-03	4.35E-04	4.18E-04	3.25E-04	2.13E-04
1096	563305.9	4234591	2.84E-03	2.53E-03	4.82E-04	4.06E-04	2.29E-03	1.86E-03	3.75E-04	3.60E-04	2.80E-04	1.84E-04
1097	563309.8	4234601	2.77E-03	2.47E-03	4.70E-04	3.96E-04	2.24E-03	1.81E-03	3.66E-04	3.51E-04	2.73E-04	1.79E-04
1098	563300.1	4234582	2.98E-03	2.66E-03	5.06E-04	4.27E-04	2.41E-03	1.95E-03	3.95E-04	3.79E-04	2.95E-04	1.93E-04
1099	563320.5	4234577	2.35E-03	2.09E-03	3.98E-04	3.36E-04	1.90E-03	1.54E-03	3.10E-04	2.98E-04	2.32E-04	1.52E-04
1100	563324.6	4234588	2.29E-03	2.04E-03	3.89E-04	3.28E-04	1.85E-03	1.50E-03	3.03E-04	2.91E-04	2.26E-04	1.48E-04
1101	563328.8	4234598	2.25E-03	2.01E-03	3.81E-04	3.21E-04	1.81E-03	1.47E-03	2.97E-04	2.85E-04	2.22E-04	1.46E-04
1102	563332.9	4234608	2.22E-03	1.98E-03	3.76E-04	3.17E-04	1.79E-03	1.45E-03	2.93E-04	2.81E-04	2.19E-04	1.44E-04
1103	563314.6	4234568	2.46E-03	2.19E-03	4.17E-04	3.51E-04	1.98E-03	1.61E-03	3.25E-04	3.12E-04	2.43E-04	1.59E-04
1104	563334.9	4234563	1.97E-03	1.76E-03	3.34E-04	2.82E-04	1.59E-03	1.29E-03	2.60E-04	2.50E-04	1.94E-04	1.28E-04
1105	563339	4234573	1.93E-03	1.72E-03	3.28E-04	2.76E-04	1.56E-03	1.26E-03	2.56E-04	2.45E-04	1.91E-04	1.25E-04
1106	563343.1	4234583	1.90E-03	1.70E-03	3.22E-04	2.72E-04	1.53E-03	1.24E-03	2.51E-04	2.41E-04	1.88E-04	1.23E-04
1107	563347.1	4234593	1.88E-03	1.67E-03	3.18E-04	2.68E-04	1.51E-03	1.23E-03	2.48E-04	2.38E-04	1.85E-04	1.22E-04
1108	563351.2	4234603	1.86E-03	1.66E-03	3.16E-04	2.66E-04	1.50E-03	1.22E-03	2.46E-04	2.36E-04	1.84E-04	1.21E-04
1109	563329.1	4234554	2.06E-03	1.83E-03	3.49E-04	2.94E-04	1.66E-03	1.35E-03	2.72E-04	2.61E-04	2.03E-04	1.33E-04
1110	563349.4	4234550	1.69E-03	1.51E-03	2.87E-04	2.42E-04	1.36E-03	1.11E-03	2.23E-04	2.14E-04	1.67E-04	1.09E-04
1111	563353.4	4234559	1.66E-03	1.48E-03	2.81E-04	2.37E-04	1.34E-03	1.08E-03	2.19E-04	2.10E-04	1.64E-04	1.07E-04
1112	563357.4	4234569	1.63E-03	1.45E-03	2.76E-04	2.33E-04	1.32E-03	1.07E-03	2.15E-04	2.07E-04	1.61E-04	1.06E-04
1113	563361.4	4234579	1.61E-03	1.44E-03	2.73E-04	2.30E-04	1.30E-03	1.05E-03	2.13E-04	2.04E-04	1.59E-04	1.04E-04
1114	563365.4	4234589	1.60E-03	1.43E-03	2.71E-04	2.28E-04	1.29E-03	1.05E-03	2.11E-04	2.03E-04	1.58E-04	1.04E-04
1115	563369.4	4234599	1.59E-03	1.42E-03	2.70E-04	2.28E-04	1.29E-03	1.04E-03	2.11E-04	2.02E-04	1.57E-04	1.03E-04
1116	563373.5	4234609	1.60E-03	1.42E-03	2.71E-04	2.28E-04	1.29E-03	1.04E-03	2.11E-04	2.02E-04	1.58E-04	1.03E-04
1117	563343.5	4234541	1.76E-03	1.57E-03	2.99E-04	2.52E-04	1.42E-03	1.15E-03	2.33E-04	2.24E-04	1.74E-04	1.14E-04
1118	563363.9	4234536	1.48E-03	1.32E-03	2.50E-04	2.11E-04	1.19E-03	9.65E-04	1.95E-04	1.87E-04	1.46E-04	9.56E-05
1119	563368.1	4234546	1.44E-03	1.29E-03	2.45E-04	2.06E-04	1.16E-03	9.44E-04	1.91E-04	1.83E-04	1.42E-04	9.35E-05
1120	563372.2	4234556	1.42E-03	1.27E-03	2.41E-04	2.03E-04	1.15E-03	9.28E-04	1.88E-04	1.80E-04	1.40E-04	9.19E-05
1121	563376.3	4234566	1.40E-03	1.25E-03	2.38E-04	2.01E-04	1.13E-03	9.18E-04	1.85E-04	1.78E-04	1.38E-04	9.09E-05
1122	563380.5	4234577	1.39E-03	1.24E-03	2.36E-04	1.99E-04	1.13E-03	9.12E-04	1.84E-04	1.77E-04	1.38E-04	9.03E-05
1123	563384.6	4234587	1.39E-03	1.24E-03	2.36E-04	1.99E-04	1.12E-03	9.11E-04	1.84E-04	1.77E-04	1.37E-04	9.02E-05
1124	563388.8	4234597	1.39E-03	1.24E-03	2.37E-04	1.99E-04	1.13E-03	9.13E-04	1.84E-04	1.77E-04	1.38E-04	9.04E-05
1125	563392.9	4234607	1.40E-03	1.25E-03	2.38E-04	2.00E-04	1.13E-03	9.17E-04	1.85E-04	1.78E-04	1.38E-04	9.08E-05
1126	563358	4234527	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.01E-03	2.04E-04	1.95E-04	1.52E-04	9.98E-05
1127	563378.4	4234522	1.31E-03	1.17E-03	2.22E-04	1.87E-04	1.06E-03	8.58E-04	1.73E-04	1.66E-04	1.29E-04	8.49E-05
1128	563382.5	4234532	1.28E-03	1.14E-03	2.17E-04	1.83E-04	1.03E-03	8.37E-04	1.69E-04	1.62E-04	1.26E-04	8.29E-05
1129	563386.6	4234542	1.25E-03	1.12E-03	2.13E-04	1.79E-04	1.01E-03	8.20E-04	1.66E-04	1.59E-04	1.24E-04	8.12E-05
1130	563390.6	4234552	1.24E-03	1.10E-03	2.10E-04	1.77E-04	9.98E-04	8.09E-04	1.64E-04	1.57E-04	1.22E-04	8.01E-05
1131	563394.7	4234562	1.23E-03	1.10E-03	2.08E-04	1.76E-04	9.92E-04	8.04E-04	1.62E-04	1.56E-04	1.21E-04	7.96E-05
1132	563398.8	4234572	1.23E-03	1.09E-03	2.08E-04	1.75E-04	9.91E-04	8.03E-04	1.62E-04	1.56E-04	1.21E-04	7.95E-05
1133	563402.9	4234582	1.23E-03	1.10E-03	2.09E-04	1.76E-04	9.94E-04	8.05E-04	1.63E-04	1.56E-04	1.22E-04	7.97E-05
1134	563407	4234592	1.24E-03	1.11E-03	2.11E-04	1.77E-04	1.00E-03	8.12E-04	1.64E-04	1.57E-04	1.23E-04	8.04E-05
1135	563411.1	4234602	1.26E-03	1.12E-03	2.13E-04	1.80E-04	1.01E-03	8.22E-04	1.66E-04	1.59E-04	1.24E-04	8.14E-05

1136	563415.2	4234612	1.27E-03	1.14E-03	2.16E-04	1.82E-04	1.03E-03	8.33E-04	1.68E-04	1.62E-04	1.26E-04	8.25E-05
1137	563372.5	4234513	1.37E-03	1.22E-03	2.32E-04	1.95E-04	1.10E-03	8.94E-04	1.81E-04	1.73E-04	1.35E-04	8.86E-05
1138	563392.9	4234508	1.18E-03	1.05E-03	2.00E-04	1.69E-04	9.53E-04	7.73E-04	1.56E-04	1.50E-04	1.17E-04	7.65E-05
1139	563397.1	4234519	1.15E-03	1.03E-03	1.95E-04	1.65E-04	9.30E-04	7.53E-04	1.52E-04	1.46E-04	1.14E-04	7.46E-05
1140	563401.3	4234529	1.12E-03	1.00E-03	1.91E-04	1.61E-04	9.08E-04	7.36E-04	1.49E-04	1.43E-04	1.11E-04	7.29E-05
1141	563405.5	4234539	1.11E-03	9.88E-04	1.88E-04	1.58E-04	8.94E-04	7.25E-04	1.46E-04	1.41E-04	1.09E-04	7.18E-05
1142	563409.7	4234550	1.10E-03	9.81E-04	1.86E-04	1.57E-04	8.87E-04	7.19E-04	1.45E-04	1.39E-04	1.09E-04	7.12E-05
1143	563413.8	4234560	1.10E-03	9.78E-04	1.86E-04	1.57E-04	8.85E-04	7.17E-04	1.45E-04	1.39E-04	1.08E-04	7.10E-05
1144	563418	4234570	1.10E-03	9.78E-04	1.86E-04	1.57E-04	8.85E-04	7.17E-04	1.45E-04	1.39E-04	1.08E-04	7.10E-05
1145	563422.2	4234580	1.10E-03	9.84E-04	1.87E-04	1.58E-04	8.91E-04	7.22E-04	1.46E-04	1.40E-04	1.09E-04	7.15E-05
1146	563426.4	4234591	1.12E-03	1.00E-03	1.90E-04	1.60E-04	9.06E-04	7.34E-04	1.48E-04	1.42E-04	1.11E-04	7.27E-05
1147	563430.6	4234601	1.14E-03	1.02E-03	1.94E-04	1.63E-04	9.22E-04	7.48E-04	1.51E-04	1.45E-04	1.13E-04	7.40E-05
1148	563434.8	4234611	1.16E-03	1.03E-03	1.97E-04	1.66E-04	9.36E-04	7.59E-04	1.53E-04	1.47E-04	1.15E-04	7.51E-05
1149	563387	4234499	1.23E-03	1.10E-03	2.09E-04	1.76E-04	9.93E-04	8.05E-04	1.63E-04	1.56E-04	1.21E-04	7.97E-05
1150	563407.4	4234495	1.06E-03	9.47E-04	1.80E-04	1.52E-04	8.57E-04	6.95E-04	1.40E-04	1.35E-04	1.05E-04	6.88E-05
1151	563411.5	4234505	1.04E-03	9.24E-04	1.76E-04	1.48E-04	8.36E-04	6.78E-04	1.37E-04	1.31E-04	1.02E-04	6.71E-05
1152	563415.6	4234515	1.02E-03	9.07E-04	1.72E-04	1.45E-04	8.21E-04	6.65E-04	1.34E-04	1.29E-04	1.00E-04	6.59E-05
1153	563419.8	4234525	1.00E-03	8.94E-04	1.70E-04	1.43E-04	8.09E-04	6.56E-04	1.32E-04	1.27E-04	9.89E-05	6.49E-05
1154	563423.9	4234535	9.95E-04	8.88E-04	1.69E-04	1.42E-04	8.04E-04	6.51E-04	1.32E-04	1.26E-04	9.83E-05	6.45E-05
1155	563428.1	4234545	9.97E-04	8.89E-04	1.69E-04	1.43E-04	8.05E-04	6.52E-04	1.32E-04	1.26E-04	9.84E-05	6.46E-05
1156	563432.2	4234556	9.96E-04	8.88E-04	1.69E-04	1.42E-04	8.04E-04	6.52E-04	1.32E-04	1.26E-04	9.83E-05	6.45E-05
1157	563436.3	4234566	9.99E-04	8.91E-04	1.69E-04	1.43E-04	8.06E-04	6.54E-04	1.32E-04	1.27E-04	9.86E-05	6.47E-05
1158	563401.5	4234485	1.11E-03	9.87E-04	1.88E-04	1.58E-04	8.94E-04	7.24E-04	1.46E-04	1.40E-04	1.09E-04	7.17E-05
1159	563421.8	4234481	9.61E-04	8.57E-04	1.63E-04	1.37E-04	7.76E-04	6.29E-04	1.27E-04	1.22E-04	9.49E-05	6.23E-05
1160	563425.9	4234491	9.39E-04	8.38E-04	1.59E-04	1.34E-04	7.58E-04	6.14E-04	1.24E-04	1.19E-04	9.27E-05	6.09E-05
1161	563430	4234501	9.26E-04	8.26E-04	1.57E-04	1.32E-04	7.47E-04	6.06E-04	1.22E-04	1.17E-04	9.14E-05	6.00E-05
1162	563434.1	4234511	9.20E-04	8.21E-04	1.56E-04	1.32E-04	7.43E-04	6.02E-04	1.22E-04	1.17E-04	9.09E-05	5.97E-05
1163	563438.2	4234521	9.20E-04	8.20E-04	1.56E-04	1.32E-04	7.43E-04	6.02E-04	1.22E-04	1.17E-04	9.08E-05	5.96E-05
1164	563442.3	4234531	9.19E-04	8.20E-04	1.56E-04	1.31E-04	7.42E-04	6.01E-04	1.22E-04	1.17E-04	9.07E-05	5.95E-05
1165	563415.9	4234472	1.00E-03	8.93E-04	1.70E-04	1.43E-04	8.08E-04	6.55E-04	1.32E-04	1.27E-04	9.88E-05	6.49E-05
1166	563436.3	4234467	8.83E-04	7.88E-04	1.50E-04	1.26E-04	7.13E-04	5.78E-04	1.17E-04	1.12E-04	8.72E-05	5.72E-05
1167	563440.5	4234477	8.64E-04	7.71E-04	1.47E-04	1.24E-04	6.98E-04	5.65E-04	1.14E-04	1.10E-04	8.53E-05	5.60E-05
1168	563444.7	4234488	8.51E-04	7.59E-04	1.44E-04	1.22E-04	6.87E-04	5.57E-04	1.12E-04	1.08E-04	8.40E-05	5.51E-05
1169	563486.5	4234590	9.02E-04	8.05E-04	1.53E-04	1.29E-04	7.28E-04	5.90E-04	1.19E-04	1.14E-04	8.91E-05	5.85E-05
1170	563490.6	4234600	9.12E-04	8.14E-04	1.55E-04	1.30E-04	7.36E-04	5.97E-04	1.21E-04	1.16E-04	9.01E-05	5.91E-05
1171	563494.8	4234611	9.27E-04	8.27E-04	1.57E-04	1.33E-04	7.49E-04	6.07E-04	1.23E-04	1.18E-04	9.16E-05	6.01E-05
1172	563499	4234621	9.47E-04	8.45E-04	1.61E-04	1.35E-04	7.65E-04	6.20E-04	1.25E-04	1.20E-04	9.36E-05	6.14E-05
1173	563430.4	4234458	9.16E-04	8.17E-04	1.55E-04	1.31E-04	7.39E-04	5.99E-04	1.21E-04	1.16E-04	9.04E-05	5.93E-05
1174	563488.1	4234545	8.55E-04	7.63E-04	1.45E-04	1.22E-04	6.91E-04	5.60E-04	1.13E-04	1.09E-04	8.45E-05	5.54E-05
1175	563492.2	4234555	8.52E-04	7.60E-04	1.45E-04	1.22E-04	6.88E-04	5.58E-04	1.13E-04	1.08E-04	8.42E-05	5.52E-05
1176	563496.3	4234565	8.50E-04	7.58E-04	1.44E-04	1.22E-04	6.86E-04	5.56E-04	1.12E-04	1.08E-04	8.39E-05	5.51E-05
1177	563500.5	4234575	8.52E-04	7.60E-04	1.45E-04	1.22E-04	6.88E-04	5.57E-04	1.13E-04	1.08E-04	8.41E-05	5.52E-05
1178	563504.6	4234585	8.61E-04	7.68E-04	1.46E-04	1.23E-04	6.95E-04	5.63E-04	1.14E-04	1.09E-04	8.50E-05	5.58E-05
1179	563508.7	4234595	8.69E-04	7.76E-04	1.48E-04	1.24E-04	7.02E-04	5.69E-04	1.15E-04	1.10E-04	8.59E-05	5.63E-05
1180	563512.9	4234606	8.77E-04	7.82E-04	1.49E-04	1.25E-04	7.08E-04	5.74E-04	1.16E-04	1.11E-04	8.66E-05	5.68E-05
1181	563517	4234616	8.93E-04	7.96E-04	1.51E-04	1.28E-04	7.21E-04	5.84E-04	1.18E-04	1.13E-04	8.82E-05	5.79E-05
1182	563521.2	4234626	9.06E-04	8.09E-04	1.54E-04	1.30E-04	7.32E-04	5.93E-04	1.20E-04	1.15E-04	8.95E-05	5.87E-05
1183	563444.9	4234444	8.49E-04	7.57E-04	1.44E-04	1.21E-04	6.85E-04	5.55E-04	1.12E-04	1.08E-04	8.38E-05	5.50E-05
1184	563496.5	4234467	6.61E-04	5.89E-04	1.12E-04	9.45E-05	5.33E-04	4.32E-04	8.74E-05	8.38E-05	6.52E-05	4.28E-05
1185	563500.6	4234477	6.75E-04	6.02E-04	1.15E-04	9.65E-05	5.45E-04	4.42E-04	8.92E-05	8.56E-05	6.67E-05	4.37E-05
1186	563504.8	4234487	6.93E-04	6.19E-04	1.18E-04	9.92E-05	5.60E-04	4.54E-04	9.17E-05	8.80E-05	6.85E-05	4.49E-05
1187	563525.6	4234538	7.52E-04	6.71E-04	1.28E-04	1.08E-04	6.08E-04	4.92E-04	9.95E-05	9.55E-05	7.43E-05	4.88E-05
1188	563529.8	4234549	7.74E-04	6.90E-04	1.31E-04	1.11E-04	6.25E-04	5.06E-04	1.02E-04	9.81E-05	7.64E-05	5.01E-05
1189	563534	4234559	7.85E-04	7.00E-04	1.33E-04	1.12E-04	6.34E-04	5.14E-04	1.04E-04	9.96E-05	7.75E-05	5.09E-05
1190	563538.2	4234569	7.96E-04	7.10E-04	1.35E-04	1.14E-04	6.42E-04	5.21E-04	1.05E-04	1.01E-04	7.86E-05	5.16E-05
1191	563542.3	4234579	8.05E-04	7.18E-04	1.37E-04	1.15E-04	6.50E-04	5.27E-04	1.06E-04	1.02E-04	7.95E-05	5.22E-05
1192	563546.5	4234589	8.15E-04	7.27E-04	1.38E-04	1.16E-04	6.58E-04	5.33E-04	1.08E-04	1.03E-04	8.04E-05	5.28E-05
1193	563550.7	4234600	8.26E-04	7.37E-04	1.40E-04	1.18E-04	6.67E-04	5.40E-04	1.09E-04	1.05E-04	8.15E-05	5.35E-05
1194	563554.8	4234610	8.39E-04	7.49E-04	1.42E-04	1.20E-04	6.78E-04	5.49E-04	1.11E-04	1.06E-04	8.29E-05	5.44E-05
1195	563559	4234620	8.50E-04	7.59E-04	1.44E-04	1.22E-04	6.87E-04	5.57E-04	1.12E-04	1.08E-04	8.40E-05	5.51E-05
1196	563508.7	4234398	6.02E-04	5.37E-04	1.02E-04	8.61E-05	4.86E-04	3.94E-04	7.96E-05	7.64E-05	5.94E-05	3.90E-05
1197	563512.8	4234408	5.86E-04	5.23E-04	9.94E-05	8.38E-05	4.73E-04	3.83E-04	7.75E-05	7.43E-05	5.79E-05	3.80E-05
1198	563516.9	4234418	5.74E-04	5.12E-04	9.75E-05	8.21E-05	4.64E-04	3.76E-04	7.60E-05	7.29E-05	5.67E-05	3.72E-05
1199	563521	4234428	5.66E-04	5.05E-04	9.61E-05	8.10E-05	4.57E-04	3.71E-04	7.49E-05	7.19E-05	5.59E-05	3.67E-05
1200	563525.2	4234438	5.61E-04	5.00E-04	9.52E-05	8.02E-05	4.53E-04	3.67E-04	7.42E-05	7.12E-05	5.54E-05	3.64E-05
1201	563529.3	4234448	5.59E-04	4.99E-04	9.49E-05	8.00E-05	4.52E-04	3.66E-04	7.40E-05	7.10E-05	5.52E-05	3.62E-05
1202	563533.4	4234459	5.63E-04	5.02E-04	9.55E-05	8.05E-05	4.54E-04	3.68E-04	7.44E-05	7.14E-05	5.56E-05	3.65E-05

1203	563537.5	4234469	5.76E-04	5.14E-04	9.78E-05	8.24E-05	4.65E-04	3.77E-04	7.62E-05	7.31E-05	5.69E-05	3.73E-05
1204	563541.6	4234479	5.91E-04	5.27E-04	1.00E-04	8.45E-05	4.77E-04	3.87E-04	7.82E-05	7.50E-05	5.84E-05	3.83E-05
1205	563545.7	4234489	6.05E-04	5.40E-04	1.03E-04	8.66E-05	4.89E-04	3.96E-04	8.00E-05	7.68E-05	5.98E-05	3.92E-05
1206	563566.3	4234539	6.86E-04	6.12E-04	1.16E-04	9.81E-05	5.54E-04	4.49E-04	9.07E-05	8.70E-05	6.77E-05	4.44E-05
1207	563570.4	4234549	7.01E-04	6.25E-04	1.19E-04	1.00E-04	5.66E-04	4.59E-04	9.27E-05	8.90E-05	6.92E-05	4.54E-05
1208	563574.5	4234560	7.16E-04	6.39E-04	1.22E-04	1.02E-04	5.78E-04	4.69E-04	9.47E-05	9.09E-05	7.08E-05	4.64E-05
1209	563578.6	4234570	7.31E-04	6.52E-04	1.24E-04	1.05E-04	5.90E-04	4.79E-04	9.67E-05	9.28E-05	7.22E-05	4.74E-05
1210	563582.7	4234580	7.45E-04	6.65E-04	1.26E-04	1.07E-04	6.02E-04	4.88E-04	9.85E-05	9.45E-05	7.36E-05	4.83E-05
1211	563586.8	4234590	7.57E-04	6.75E-04	1.28E-04	1.08E-04	6.11E-04	4.95E-04	1.00E-04	9.60E-05	7.47E-05	4.91E-05
1212	563590.9	4234600	7.66E-04	6.83E-04	1.30E-04	1.10E-04	6.18E-04	5.01E-04	1.01E-04	9.72E-05	7.56E-05	4.96E-05
1213	563595.1	4234610	7.73E-04	6.90E-04	1.31E-04	1.11E-04	6.24E-04	5.06E-04	1.02E-04	9.81E-05	7.64E-05	5.01E-05
1214	563599.2	4234620	7.80E-04	6.96E-04	1.32E-04	1.12E-04	6.30E-04	5.10E-04	1.03E-04	9.89E-05	7.70E-05	5.05E-05
1215	563502.8	4234389	6.26E-04	5.58E-04	1.06E-04	8.95E-05	5.05E-04	4.10E-04	8.28E-05	7.94E-05	6.18E-05	4.06E-05
1216	563537.7	4234370	5.55E-04	4.95E-04	9.41E-05	7.93E-05	4.48E-04	3.63E-04	7.34E-05	7.04E-05	5.48E-05	3.60E-05
1217	563541.8	4234381	5.38E-04	4.80E-04	9.13E-05	7.69E-05	4.34E-04	3.52E-04	7.12E-05	6.83E-05	5.31E-05	3.49E-05
1218	563546	4234391	5.23E-04	4.66E-04	8.87E-05	7.47E-05	4.22E-04	3.42E-04	6.91E-05	6.63E-05	5.16E-05	3.39E-05
1219	563550.1	4234401	5.14E-04	4.58E-04	8.72E-05	7.35E-05	4.15E-04	3.36E-04	6.79E-05	6.52E-05	5.07E-05	3.33E-05
1220	563554.2	4234411	5.08E-04	4.53E-04	8.63E-05	7.27E-05	4.10E-04	3.33E-04	6.72E-05	6.45E-05	5.02E-05	3.29E-05
1221	563558.4	4234421	5.04E-04	4.50E-04	8.55E-05	7.21E-05	4.07E-04	3.30E-04	6.66E-05	6.40E-05	4.98E-05	3.27E-05
1222	563562.5	4234431	5.01E-04	4.47E-04	8.50E-05	7.16E-05	4.04E-04	3.28E-04	6.62E-05	6.36E-05	4.95E-05	3.25E-05
1223	563566.7	4234442	4.99E-04	4.45E-04	8.47E-05	7.14E-05	4.03E-04	3.27E-04	6.60E-05	6.33E-05	4.93E-05	3.23E-05
1224	563570.8	4234452	4.99E-04	4.45E-04	8.46E-05	7.13E-05	4.03E-04	3.26E-04	6.59E-05	6.33E-05	4.92E-05	3.23E-05
1225	563574.9	4234462	5.06E-04	4.52E-04	8.59E-05	7.24E-05	4.09E-04	3.31E-04	6.70E-05	6.42E-05	5.00E-05	3.28E-05
1226	563579.1	4234472	5.20E-04	4.64E-04	8.83E-05	7.44E-05	4.20E-04	3.40E-04	6.88E-05	6.60E-05	5.14E-05	3.37E-05
1227	563583.2	4234482	5.33E-04	4.75E-04	9.04E-05	7.62E-05	4.30E-04	3.49E-04	7.04E-05	6.76E-05	5.26E-05	3.45E-05
1228	563603.9	4234533	6.17E-04	5.50E-04	1.05E-04	8.82E-05	4.98E-04	4.04E-04	8.16E-05	7.83E-05	6.09E-05	4.00E-05
1229	563608	4234543	6.31E-04	5.63E-04	1.07E-04	9.03E-05	5.10E-04	4.13E-04	8.35E-05	8.01E-05	6.24E-05	4.09E-05
1230	563612.2	4234553	6.45E-04	5.75E-04	1.09E-04	9.22E-05	5.20E-04	4.22E-04	8.52E-05	8.18E-05	6.37E-05	4.18E-05
1231	563616.3	4234564	6.57E-04	5.86E-04	1.11E-04	9.39E-05	5.30E-04	4.30E-04	8.69E-05	8.33E-05	6.49E-05	4.26E-05
1232	563620.5	4234574	6.67E-04	5.95E-04	1.13E-04	9.54E-05	5.39E-04	4.37E-04	8.83E-05	8.47E-05	6.59E-05	4.33E-05
1233	563624.6	4234584	6.76E-04	6.03E-04	1.15E-04	9.67E-05	5.46E-04	4.43E-04	8.94E-05	8.58E-05	6.68E-05	4.38E-05
1234	563628.7	4234594	6.84E-04	6.10E-04	1.16E-04	9.78E-05	5.52E-04	4.47E-04	9.04E-05	8.68E-05	6.75E-05	4.43E-05
1235	563632.9	4234604	6.90E-04	6.15E-04	1.17E-04	9.86E-05	5.57E-04	4.51E-04	9.12E-05	8.75E-05	6.81E-05	4.47E-05
1236	563637	4234614	6.94E-04	6.19E-04	1.18E-04	9.92E-05	5.60E-04	4.54E-04	9.18E-05	8.80E-05	6.85E-05	4.50E-05
1237	563641.2	4234625	6.95E-04	6.20E-04	1.18E-04	9.94E-05	5.61E-04	4.55E-04	9.19E-05	8.82E-05	6.86E-05	4.50E-05
1238	563531.8	4234361	5.70E-04	5.09E-04	9.68E-05	8.16E-05	4.61E-04	3.73E-04	7.54E-05	7.24E-05	5.63E-05	3.70E-05
1239	563566.7	4234343	5.15E-04	4.59E-04	8.74E-05	7.37E-05	4.16E-04	3.37E-04	6.81E-05	6.54E-05	5.09E-05	3.34E-05
1240	563570.8	4234353	4.99E-04	4.45E-04	8.47E-05	7.14E-05	4.03E-04	3.27E-04	6.60E-05	6.34E-05	4.93E-05	3.24E-05
1241	563575	4234363	4.85E-04	4.33E-04	8.24E-05	6.94E-05	3.92E-04	3.18E-04	6.42E-05	6.16E-05	4.79E-05	3.15E-05
1242	563579.1	4234374	4.74E-04	4.23E-04	8.04E-05	6.78E-05	3.83E-04	3.10E-04	6.27E-05	6.01E-05	4.68E-05	3.07E-05
1243	563583.3	4234384	4.64E-04	4.14E-04	7.88E-05	6.64E-05	3.75E-04	3.04E-04	6.14E-05	5.89E-05	4.59E-05	3.01E-05
1244	563587.5	4234394	4.58E-04	4.08E-04	7.77E-05	6.55E-05	3.70E-04	3.00E-04	6.05E-05	5.81E-05	4.52E-05	2.97E-05
1245	563591.6	4234404	4.54E-04	4.05E-04	7.71E-05	6.50E-05	3.67E-04	2.97E-04	6.01E-05	5.76E-05	4.49E-05	2.94E-05
1246	563595.8	4234414	4.54E-04	4.05E-04	7.70E-05	6.49E-05	3.66E-04	2.97E-04	6.00E-05	5.76E-05	4.48E-05	2.94E-05
1247	563600	4234425	4.56E-04	4.07E-04	7.73E-05	6.52E-05	3.68E-04	2.98E-04	6.03E-05	5.78E-05	4.50E-05	2.95E-05
1248	563604.1	4234435	4.60E-04	4.11E-04	7.81E-05	6.58E-05	3.72E-04	3.01E-04	6.09E-05	5.84E-05	4.55E-05	2.98E-05
1249	563608.3	4234445	4.64E-04	4.14E-04	7.87E-05	6.64E-05	3.75E-04	3.04E-04	6.14E-05	5.89E-05	4.58E-05	3.01E-05
1250	563612.4	4234455	4.68E-04	4.18E-04	7.94E-05	6.70E-05	3.78E-04	3.06E-04	6.19E-05	5.94E-05	4.62E-05	3.03E-05
1251	563616.6	4234465	4.75E-04	4.24E-04	8.07E-05	6.80E-05	3.84E-04	3.11E-04	6.29E-05	6.03E-05	4.69E-05	3.08E-05
1252	563620.8	4234476	4.85E-04	4.33E-04	8.23E-05	6.94E-05	3.92E-04	3.17E-04	6.42E-05	6.16E-05	4.79E-05	3.14E-05
1253	563624.9	4234486	4.97E-04	4.43E-04	8.43E-05	7.11E-05	4.01E-04	3.25E-04	6.57E-05	6.31E-05	4.91E-05	3.22E-05
1254	563645.7	4234537	5.74E-04	5.12E-04	9.74E-05	8.21E-05	4.64E-04	3.76E-04	7.59E-05	7.28E-05	5.67E-05	3.72E-05
1255	563649.9	4234547	5.86E-04	5.22E-04	9.94E-05	8.37E-05	4.73E-04	3.83E-04	7.74E-05	7.43E-05	5.78E-05	3.79E-05
1256	563654	4234557	5.96E-04	5.32E-04	1.01E-04	8.53E-05	4.82E-04	3.90E-04	7.89E-05	7.57E-05	5.89E-05	3.86E-05
1257	563658.2	4234568	6.06E-04	5.41E-04	1.03E-04	8.67E-05	4.90E-04	3.97E-04	8.02E-05	7.69E-05	5.99E-05	3.93E-05
1258	563662.4	4234578	6.15E-04	5.49E-04	1.04E-04	8.80E-05	4.97E-04	4.03E-04	8.14E-05	7.81E-05	6.08E-05	3.99E-05
1259	563666.5	4234588	6.21E-04	5.54E-04	1.05E-04	8.88E-05	5.02E-04	4.06E-04	8.21E-05	7.88E-05	6.13E-05	4.03E-05
1260	563670.7	4234598	6.25E-04	5.57E-04	1.06E-04	8.93E-05	5.04E-04	4.09E-04	8.26E-05	7.93E-05	6.17E-05	4.05E-05
1261	563674.9	4234609	6.26E-04	5.58E-04	1.06E-04	8.95E-05	5.05E-04	4.10E-04	8.28E-05	7.94E-05	6.18E-05	4.06E-05
1262	563679	4234619	6.26E-04	5.59E-04	1.06E-04	8.96E-05	5.06E-04	4.10E-04	8.28E-05	7.95E-05	6.19E-05	4.06E-05
1263	563560.7	4234334	5.34E-04	4.76E-04	9.06E-05	7.64E-05	4.31E-04	3.49E-04	7.06E-05	6.77E-05	5.27E-05	3.46E-05
1264	563595.6	4234315	4.57E-04	4.08E-04	7.75E-05	6.54E-05	3.69E-04	2.99E-04	6.04E-05	5.80E-05	4.51E-05	2.96E-05
1265	563599.8	4234326	4.43E-04	3.95E-04	7.51E-05	6.33E-05	3.58E-04	2.90E-04	5.86E-05	5.62E-05	4.37E-05	2.87E-05
1266	563604	4234336	4.30E-04	3.84E-04	7.30E-05	6.16E-05	3.48E-04	2.82E-04	5.69E-05	5.46E-05	4.25E-05	2.79E-05
1267	563608.2	4234346	4.19E-04	3.74E-04	7.12E-05	6.00E-05	3.39E-04	2.74E-04	5.55E-05	5.32E-05	4.14E-05	2.72E-05
1268	563612.4	4234356	4.10E-04	3.66E-04	6.96E-05	5.87E-05	3.31E-04	2.68E-04	5.43E-05	5.21E-05	4.05E-05	2.66E-05
1269	563616.5	4234367	4.03E-04	3.60E-04	6.84E-05	5.76E-05	3.25E-04	2.64E-04	5.33E-05	5.11E-05	3.98E-05	2.61E-05

1270	563620.7	4234377	3.99E-04	3.56E-04	6.77E-05	5.71E-05	3.22E-04	2.61E-04	5.28E-05	5.06E-05	3.94E-05	2.59E-05
1271	563624.9	4234387	3.97E-04	3.55E-04	6.74E-05	5.68E-05	3.21E-04	2.60E-04	5.26E-05	5.04E-05	3.93E-05	2.58E-05
1272	563629.1	4234397	3.98E-04	3.55E-04	6.76E-05	5.70E-05	3.22E-04	2.61E-04	5.27E-05	5.05E-05	3.93E-05	2.58E-05
1273	563633.3	4234408	4.02E-04	3.59E-04	6.83E-05	5.75E-05	3.25E-04	2.63E-04	5.32E-05	5.10E-05	3.97E-05	2.61E-05
1274	563637.4	4234418	4.08E-04	3.64E-04	6.92E-05	5.83E-05	3.29E-04	2.67E-04	5.39E-05	5.18E-05	4.03E-05	2.64E-05
1275	563641.6	4234428	4.15E-04	3.70E-04	7.05E-05	5.94E-05	3.35E-04	2.72E-04	5.49E-05	5.27E-05	4.10E-05	2.69E-05
1276	563645.8	4234438	4.24E-04	3.78E-04	7.20E-05	6.07E-05	3.42E-04	2.78E-04	5.61E-05	5.38E-05	4.19E-05	2.75E-05
1277	563650	4234449	4.34E-04	3.87E-04	7.37E-05	6.21E-05	3.51E-04	2.84E-04	5.74E-05	5.51E-05	4.29E-05	2.81E-05
1278	563654.2	4234459	4.45E-04	3.97E-04	7.55E-05	6.37E-05	3.59E-04	2.91E-04	5.89E-05	5.65E-05	4.40E-05	2.88E-05
1279	563658.3	4234469	4.55E-04	4.06E-04	7.72E-05	6.51E-05	3.67E-04	2.98E-04	6.02E-05	5.78E-05	4.49E-05	2.95E-05
1280	563662.5	4234480	4.64E-04	4.14E-04	7.87E-05	6.64E-05	3.75E-04	3.04E-04	6.14E-05	5.89E-05	4.58E-05	3.01E-05
1281	563687.6	4234541	5.36E-04	4.78E-04	9.09E-05	7.66E-05	4.33E-04	3.51E-04	7.08E-05	6.80E-05	5.29E-05	3.47E-05
1282	563691.8	4234551	5.45E-04	4.86E-04	9.25E-05	7.79E-05	4.40E-04	3.57E-04	7.21E-05	6.92E-05	5.38E-05	3.53E-05
1283	563696	4234562	5.53E-04	4.94E-04	9.39E-05	7.91E-05	4.47E-04	3.62E-04	7.32E-05	7.02E-05	5.46E-05	3.59E-05
1284	563700.1	4234572	5.60E-04	5.00E-04	9.51E-05	8.02E-05	4.53E-04	3.67E-04	7.41E-05	7.11E-05	5.54E-05	3.63E-05
1285	563704.3	4234582	5.65E-04	5.04E-04	9.59E-05	8.09E-05	4.57E-04	3.70E-04	7.48E-05	7.17E-05	5.58E-05	3.66E-05
1286	563708.5	4234592	5.67E-04	5.06E-04	9.62E-05	8.11E-05	4.58E-04	3.71E-04	7.50E-05	7.19E-05	5.60E-05	3.67E-05
1287	563712.7	4234603	5.65E-04	5.04E-04	9.58E-05	8.08E-05	4.56E-04	3.70E-04	7.47E-05	7.17E-05	5.58E-05	3.66E-05
1288	563589.7	4234306	4.75E-04	4.23E-04	8.05E-05	6.79E-05	3.83E-04	3.11E-04	6.28E-05	6.02E-05	4.69E-05	3.08E-05
1289	563624.6	4234288	4.08E-04	3.64E-04	6.92E-05	5.84E-05	3.29E-04	2.67E-04	5.40E-05	5.18E-05	4.03E-05	2.64E-05
1290	563628.7	4234298	3.96E-04	3.53E-04	6.72E-05	5.66E-05	3.20E-04	2.59E-04	5.24E-05	5.02E-05	3.91E-05	2.57E-05
1291	563632.8	4234308	3.85E-04	3.44E-04	6.54E-05	5.51E-05	3.11E-04	2.52E-04	5.09E-05	4.89E-05	3.80E-05	2.50E-05
1292	563637	4234318	3.75E-04	3.35E-04	6.37E-05	5.37E-05	3.03E-04	2.46E-04	4.97E-05	4.76E-05	3.71E-05	2.43E-05
1293	563641.1	4234328	3.67E-04	3.28E-04	6.23E-05	5.25E-05	2.96E-04	2.40E-04	4.86E-05	4.66E-05	3.63E-05	2.38E-05
1294	563645.3	4234338	3.61E-04	3.22E-04	6.12E-05	5.16E-05	2.91E-04	2.36E-04	4.77E-05	4.57E-05	3.56E-05	2.34E-05
1295	563649.4	4234349	3.55E-04	3.17E-04	6.03E-05	5.08E-05	2.87E-04	2.32E-04	4.70E-05	4.51E-05	3.51E-05	2.30E-05
1296	563653.5	4234359	3.52E-04	3.14E-04	5.97E-05	5.03E-05	2.84E-04	2.30E-04	4.65E-05	4.46E-05	3.47E-05	2.28E-05
1297	563657.7	4234369	3.50E-04	3.13E-04	5.94E-05	5.01E-05	2.83E-04	2.29E-04	4.63E-05	4.45E-05	3.46E-05	2.27E-05
1298	563661.8	4234379	3.51E-04	3.13E-04	5.96E-05	5.02E-05	2.84E-04	2.30E-04	4.64E-05	4.46E-05	3.47E-05	2.28E-05
1299	563666	4234389	3.54E-04	3.16E-04	6.00E-05	5.06E-05	2.86E-04	2.31E-04	4.68E-05	4.49E-05	3.49E-05	2.29E-05
1300	563670.1	4234399	3.58E-04	3.20E-04	6.08E-05	5.13E-05	2.89E-04	2.35E-04	4.74E-05	4.55E-05	3.54E-05	2.32E-05
1301	563674.2	4234410	3.66E-04	3.26E-04	6.21E-05	5.23E-05	2.95E-04	2.39E-04	4.84E-05	4.64E-05	3.61E-05	2.37E-05
1302	563678.4	4234420	3.75E-04	3.34E-04	6.36E-05	5.36E-05	3.03E-04	2.45E-04	4.95E-05	4.75E-05	3.70E-05	2.43E-05
1303	563682.5	4234430	3.84E-04	3.43E-04	6.52E-05	5.50E-05	3.10E-04	2.52E-04	5.08E-05	4.88E-05	3.80E-05	2.49E-05
1304	563686.7	4234440	3.95E-04	3.52E-04	6.70E-05	5.65E-05	3.19E-04	2.59E-04	5.22E-05	5.01E-05	3.90E-05	2.56E-05
1305	563690.8	4234450	4.06E-04	3.62E-04	6.89E-05	5.81E-05	3.28E-04	2.66E-04	5.37E-05	5.15E-05	4.01E-05	2.63E-05
1306	563694.9	4234460	4.18E-04	3.73E-04	7.09E-05	5.97E-05	3.37E-04	2.73E-04	5.52E-05	5.30E-05	4.13E-05	2.71E-05
1307	563699.1	4234471	4.29E-04	3.83E-04	7.28E-05	6.14E-05	3.47E-04	2.81E-04	5.68E-05	5.45E-05	4.24E-05	2.78E-05
1308	563703.2	4234481	4.41E-04	3.93E-04	7.48E-05	6.30E-05	3.56E-04	2.88E-04	5.83E-05	5.59E-05	4.35E-05	2.86E-05
1309	563618.7	4234279	4.25E-04	3.79E-04	7.21E-05	6.08E-05	3.43E-04	2.78E-04	5.62E-05	5.39E-05	4.20E-05	2.75E-05
1310	563653.5	4234260	3.64E-04	3.25E-04	6.18E-05	5.20E-05	2.94E-04	2.38E-04	4.81E-05	4.62E-05	3.59E-05	2.36E-05
1311	563657.7	4234270	3.52E-04	3.14E-04	5.98E-05	5.04E-05	2.84E-04	2.30E-04	4.66E-05	4.47E-05	3.48E-05	2.28E-05
1312	563661.9	4234281	3.42E-04	3.05E-04	5.80E-05	4.89E-05	2.76E-04	2.24E-04	4.52E-05	4.34E-05	3.38E-05	2.21E-05
1313	563666	4234291	3.33E-04	2.97E-04	5.64E-05	4.76E-05	2.69E-04	2.18E-04	4.40E-05	4.22E-05	3.28E-05	2.16E-05
1314	563670.2	4234301	3.25E-04	2.90E-04	5.51E-05	4.65E-05	2.62E-04	2.13E-04	4.30E-05	4.12E-05	3.21E-05	2.11E-05
1315	563674.3	4234311	3.18E-04	2.84E-04	5.40E-05	4.55E-05	2.57E-04	2.08E-04	4.21E-05	4.04E-05	3.14E-05	2.06E-05
1316	563678.5	4234321	3.13E-04	2.79E-04	5.30E-05	4.47E-05	2.52E-04	2.05E-04	4.13E-05	3.97E-05	3.09E-05	2.03E-05
1317	563682.6	4234332	3.08E-04	2.74E-04	5.22E-05	4.40E-05	2.48E-04	2.01E-04	4.07E-05	3.90E-05	3.04E-05	1.99E-05
1318	563686.8	4234342	3.04E-04	2.72E-04	5.17E-05	4.35E-05	2.46E-04	1.99E-04	4.03E-05	3.86E-05	3.01E-05	1.97E-05
1319	563690.9	4234352	3.03E-04	2.71E-04	5.15E-05	4.34E-05	2.45E-04	1.98E-04	4.01E-05	3.85E-05	3.00E-05	1.97E-05
1320	563695.1	4234362	3.04E-04	2.71E-04	5.16E-05	4.35E-05	2.45E-04	1.99E-04	4.02E-05	3.86E-05	3.00E-05	1.97E-05
1321	563647.6	4234251	3.80E-04	3.39E-04	6.44E-05	5.43E-05	3.07E-04	2.48E-04	5.02E-05	4.82E-05	3.75E-05	2.46E-05
1322	563682.5	4234233	3.25E-04	2.90E-04	5.51E-05	4.64E-05	2.62E-04	2.12E-04	4.29E-05	4.12E-05	3.21E-05	2.10E-05
1323	563686.7	4234243	3.14E-04	2.80E-04	5.33E-05	4.49E-05	2.54E-04	2.05E-04	4.15E-05	3.98E-05	3.10E-05	2.03E-05
1324	563782.6	4234478	3.70E-04	3.30E-04	6.27E-05	5.29E-05	2.99E-04	2.42E-04	4.89E-05	4.69E-05	3.65E-05	2.40E-05
1325	563786.8	4234489	3.78E-04	3.38E-04	6.42E-05	5.41E-05	3.06E-04	2.48E-04	5.01E-05	4.80E-05	3.74E-05	2.45E-05
1326	563791	4234499	3.87E-04	3.45E-04	6.57E-05	5.53E-05	3.12E-04	2.53E-04	5.12E-05	4.91E-05	3.82E-05	2.51E-05
1327	563795.2	4234509	3.95E-04	3.52E-04	6.70E-05	5.65E-05	3.19E-04	2.58E-04	5.22E-05	5.01E-05	3.90E-05	2.56E-05
1328	563799.3	4234519	4.02E-04	3.58E-04	6.82E-05	5.75E-05	3.24E-04	2.63E-04	5.31E-05	5.10E-05	3.97E-05	2.60E-05
1329	563803.5	4234530	4.08E-04	3.64E-04	6.92E-05	5.83E-05	3.29E-04	2.67E-04	5.39E-05	5.17E-05	4.03E-05	2.64E-05
1330	563807.7	4234540	4.14E-04	3.69E-04	7.02E-05	5.92E-05	3.34E-04	2.71E-04	5.47E-05	5.25E-05	4.09E-05	2.68E-05
1331	563811.9	4234550	4.19E-04	3.73E-04	7.10E-05	5.99E-05	3.38E-04	2.74E-04	5.54E-05	5.31E-05	4.13E-05	2.71E-05
1332	563816	4234560	4.21E-04	3.75E-04	7.14E-05	6.02E-05	3.40E-04	2.75E-04	5.57E-05	5.34E-05	4.16E-05	2.73E-05
1333	563820.2	4234571	4.22E-04	3.77E-04	7.17E-05	6.04E-05	3.41E-04	2.76E-04	5.59E-05	5.36E-05	4.17E-05	2.74E-05
1334	563676.6	4234223	3.39E-04	3.02E-04	5.75E-05	4.85E-05	2.74E-04	2.22E-04	4.48E-05	4.30E-05	3.35E-05	2.20E-05
1335	563757.5	4234318	1.98E-04	1.76E-04	3.35E-05	2.83E-05	1.60E-04	1.29E-04	2.61E-05	2.51E-05	1.95E-05	1.28E-05
1336	563761.7	4234328	1.92E-04	1.71E-04	3.25E-05	2.74E-05	1.55E-04	1.25E-04	2.53E-05	2.43E-05	1.89E-05	1.24E-05

1337	563765.9	4234339	1.86E-04	1.66E-04	3.15E-05	2.66E-05	1.50E-04	1.22E-04	2.46E-05	2.36E-05	1.83E-05	1.20E-05
1338	563770.1	4234349	1.84E-04	1.64E-04	3.13E-05	2.63E-05	1.49E-04	1.21E-04	2.44E-05	2.34E-05	1.82E-05	1.19E-05
1339	563774.3	4234359	1.85E-04	1.65E-04	3.14E-05	2.65E-05	1.49E-04	1.21E-04	2.45E-05	2.35E-05	1.83E-05	1.20E-05
1340	563778.5	4234369	1.88E-04	1.68E-04	3.19E-05	2.69E-05	1.52E-04	1.23E-04	2.49E-05	2.39E-05	1.86E-05	1.22E-05
1341	563782.6	4234380	1.93E-04	1.72E-04	3.27E-05	2.76E-05	1.56E-04	1.26E-04	2.55E-05	2.45E-05	1.91E-05	1.25E-05
1342	563786.8	4234390	1.98E-04	1.77E-04	3.36E-05	2.83E-05	1.60E-04	1.30E-04	2.62E-05	2.52E-05	1.96E-05	1.28E-05
1343	563791	4234400	2.06E-04	1.84E-04	3.50E-05	2.95E-05	1.67E-04	1.35E-04	2.73E-05	2.62E-05	2.04E-05	1.34E-05
1344	563795.2	4234411	2.18E-04	1.95E-04	3.70E-05	3.12E-05	1.76E-04	1.43E-04	2.89E-05	2.77E-05	2.16E-05	1.41E-05
1345	563799.4	4234421	2.31E-04	2.06E-04	3.91E-05	3.30E-05	1.86E-04	1.51E-04	3.05E-05	2.93E-05	2.28E-05	1.49E-05
1346	563803.6	4234431	2.44E-04	2.18E-04	4.14E-05	3.49E-05	1.97E-04	1.60E-04	3.23E-05	3.10E-05	2.41E-05	1.58E-05
1347	563807.8	4234441	2.62E-04	2.34E-04	4.45E-05	3.75E-05	2.12E-04	1.71E-04	3.46E-05	3.32E-05	2.59E-05	1.70E-05
1348	563811.9	4234452	2.83E-04	2.53E-04	4.81E-05	4.05E-05	2.29E-04	1.85E-04	3.75E-05	3.60E-05	2.80E-05	1.84E-05
1349	563816.1	4234462	2.96E-04	2.64E-04	5.02E-05	4.23E-05	2.39E-04	1.94E-04	3.91E-05	3.75E-05	2.92E-05	1.92E-05
1350	563820.3	4234472	3.03E-04	2.71E-04	5.15E-05	4.34E-05	2.45E-04	1.99E-04	4.01E-05	3.85E-05	3.00E-05	1.97E-05
1351	563824.5	4234483	3.16E-04	2.82E-04	5.37E-05	4.53E-05	2.55E-04	2.07E-04	4.18E-05	4.02E-05	3.12E-05	2.05E-05
1352	563828.7	4234493	3.28E-04	2.92E-04	5.56E-05	4.69E-05	2.65E-04	2.15E-04	4.34E-05	4.16E-05	3.24E-05	2.12E-05
1353	563832.9	4234503	3.36E-04	3.00E-04	5.70E-05	4.81E-05	2.71E-04	2.20E-04	4.44E-05	4.26E-05	3.32E-05	2.18E-05
1354	563837.1	4234513	3.44E-04	3.07E-04	5.83E-05	4.91E-05	2.77E-04	2.25E-04	4.54E-05	4.36E-05	3.39E-05	2.23E-05
1355	563841.2	4234524	3.51E-04	3.13E-04	5.95E-05	5.02E-05	2.83E-04	2.30E-04	4.64E-05	4.45E-05	3.46E-05	2.27E-05
1356	563845.4	4234534	3.72E-04	3.32E-04	6.32E-05	5.33E-05	3.01E-04	2.44E-04	4.93E-05	4.73E-05	3.68E-05	2.41E-05
1357	563849.6	4234544	3.77E-04	3.36E-04	6.40E-05	5.39E-05	3.04E-04	2.47E-04	4.98E-05	4.78E-05	3.72E-05	2.44E-05
1358	563853.8	4234554	3.81E-04	3.40E-04	6.46E-05	5.44E-05	3.07E-04	2.49E-04	5.03E-05	4.83E-05	3.76E-05	2.47E-05
1359	563858	4234565	3.84E-04	3.42E-04	6.51E-05	5.49E-05	3.10E-04	2.51E-04	5.07E-05	4.87E-05	3.79E-05	2.49E-05
1360	563862.2	4234575	3.85E-04	3.44E-04	6.54E-05	5.51E-05	3.11E-04	2.52E-04	5.10E-05	4.89E-05	3.81E-05	2.50E-05
1361	563866.4	4234585	3.86E-04	3.44E-04	6.55E-05	5.52E-05	3.11E-04	2.52E-04	5.10E-05	4.89E-05	3.81E-05	2.50E-05
1362	563761.2	4234228	1.95E-04	1.74E-04	3.31E-05	2.79E-05	1.58E-04	1.28E-04	2.58E-05	2.48E-05	1.93E-05	1.26E-05
1363	563765.3	4234239	1.84E-04	1.64E-04	3.13E-05	2.64E-05	1.49E-04	1.21E-04	2.44E-05	2.34E-05	1.82E-05	1.19E-05
1364	563769.5	4234249	1.75E-04	1.56E-04	2.96E-05	2.50E-05	1.41E-04	1.14E-04	2.31E-05	2.22E-05	1.72E-05	1.13E-05
1365	563773.6	4234259	1.66E-04	1.48E-04	2.82E-05	2.38E-05	1.34E-04	1.09E-04	2.20E-05	2.11E-05	1.64E-05	1.08E-05
1366	563777.8	4234269	1.58E-04	1.41E-04	2.67E-05	2.25E-05	1.27E-04	1.03E-04	2.08E-05	2.00E-05	1.56E-05	1.02E-05
1367	563782	4234279	1.50E-04	1.34E-04	2.54E-05	2.14E-05	1.21E-04	9.81E-05	1.98E-05	1.90E-05	1.48E-05	9.71E-06
1368	563786.1	4234290	1.42E-04	1.26E-04	2.41E-05	2.03E-05	1.14E-04	9.28E-05	1.87E-05	1.80E-05	1.40E-05	9.19E-06
1369	563790.3	4234300	1.32E-04	1.18E-04	2.25E-05	1.89E-05	1.07E-04	8.67E-05	1.75E-05	1.68E-05	1.31E-05	8.59E-06
1370	563794.4	4234310	1.25E-04	1.12E-04	2.12E-05	1.79E-05	1.01E-04	8.19E-05	1.66E-05	1.59E-05	1.24E-05	8.11E-06
1371	563798.6	4234320	1.21E-04	1.08E-04	2.05E-05	1.73E-05	9.78E-05	7.92E-05	1.60E-05	1.54E-05	1.20E-05	7.85E-06
1372	563802.7	4234330	1.20E-04	1.07E-04	2.04E-05	1.72E-05	9.69E-05	7.85E-05	1.59E-05	1.52E-05	1.19E-05	7.78E-06
1373	563806.9	4234341	1.21E-04	1.08E-04	2.06E-05	1.73E-05	9.79E-05	7.93E-05	1.60E-05	1.54E-05	1.20E-05	7.86E-06
1374	563811	4234351	1.23E-04	1.10E-04	2.08E-05	1.76E-05	9.92E-05	8.04E-05	1.62E-05	1.56E-05	1.21E-05	7.96E-06
1375	563815.2	4234361	1.23E-04	1.10E-04	2.09E-05	1.76E-05	9.95E-05	8.07E-05	1.63E-05	1.56E-05	1.22E-05	7.99E-06
1376	563819.3	4234371	1.24E-04	1.11E-04	2.11E-05	1.77E-05	1.00E-04	8.12E-05	1.64E-05	1.57E-05	1.23E-05	8.04E-06
1377	563823.5	4234381	1.29E-04	1.15E-04	2.18E-05	1.84E-05	1.04E-04	8.42E-05	1.70E-05	1.63E-05	1.27E-05	8.33E-06
1378	563827.6	4234392	1.36E-04	1.21E-04	2.30E-05	1.94E-05	1.10E-04	8.89E-05	1.80E-05	1.72E-05	1.34E-05	8.80E-06
1379	563831.8	4234402	1.43E-04	1.28E-04	2.43E-05	2.05E-05	1.16E-04	9.37E-05	1.89E-05	1.82E-05	1.41E-05	9.28E-06
1380	563836	4234412	1.48E-04	1.32E-04	2.52E-05	2.12E-05	1.20E-04	9.71E-05	1.96E-05	1.88E-05	1.46E-05	9.61E-06
1381	563840.1	4234422	1.53E-04	1.37E-04	2.60E-05	2.19E-05	1.24E-04	1.00E-04	2.03E-05	1.94E-05	1.51E-05	9.93E-06
1382	563844.3	4234432	1.60E-04	1.43E-04	2.72E-05	2.29E-05	1.29E-04	1.05E-04	2.12E-05	2.03E-05	1.58E-05	1.04E-05
1383	563848.4	4234442	1.69E-04	1.51E-04	2.88E-05	2.42E-05	1.37E-04	1.11E-04	2.24E-05	2.15E-05	1.67E-05	1.10E-05
1384	563852.6	4234453	1.79E-04	1.59E-04	3.03E-05	2.55E-05	1.44E-04	1.17E-04	2.36E-05	2.27E-05	1.76E-05	1.16E-05
1385	563856.7	4234463	1.93E-04	1.73E-04	3.28E-05	2.77E-05	1.56E-04	1.27E-04	2.56E-05	2.45E-05	1.91E-05	1.25E-05
1386	563860.9	4234473	2.14E-04	1.91E-04	3.63E-05	3.06E-05	1.73E-04	1.40E-04	2.83E-05	2.72E-05	2.12E-05	1.39E-05
1387	563865	4234483	2.40E-04	2.14E-04	4.06E-05	3.43E-05	1.93E-04	1.57E-04	3.17E-05	3.04E-05	2.37E-05	1.55E-05
1388	563869.2	4234493	2.57E-04	2.29E-04	4.36E-05	3.68E-05	2.08E-04	1.68E-04	3.40E-05	3.26E-05	2.54E-05	1.67E-05
1389	563873.3	4234504	2.74E-04	2.45E-04	4.65E-05	3.92E-05	2.21E-04	1.79E-04	3.63E-05	3.48E-05	2.71E-05	1.78E-05
1390	563877.5	4234514	2.90E-04	2.58E-04	4.92E-05	4.14E-05	2.34E-04	1.90E-04	3.83E-05	3.68E-05	2.86E-05	1.88E-05
1391	563881.6	4234524	2.95E-04	2.63E-04	5.00E-05	4.22E-05	2.38E-04	1.93E-04	3.90E-05	3.74E-05	2.91E-05	1.91E-05
1392	563885.8	4234534	2.98E-04	2.66E-04	5.05E-05	4.26E-05	2.40E-04	1.95E-04	3.94E-05	3.78E-05	2.94E-05	1.93E-05
1393	563889.9	4234544	3.03E-04	2.70E-04	5.14E-05	4.33E-05	2.44E-04	1.98E-04	4.00E-05	3.84E-05	2.99E-05	1.96E-05
1394	563894.1	4234555	3.09E-04	2.76E-04	5.24E-05	4.42E-05	2.49E-04	2.02E-04	4.09E-05	3.92E-05	3.05E-05	2.00E-05
1395	563898.3	4234565	3.16E-04	2.82E-04	5.37E-05	4.52E-05	2.55E-04	2.07E-04	4.18E-05	4.01E-05	3.12E-05	2.05E-05
1396	563902.4	4234575	3.25E-04	2.90E-04	5.51E-05	4.64E-05	2.62E-04	2.12E-04	4.29E-05	4.12E-05	3.21E-05	2.10E-05
1397	563906.6	4234585	3.48E-04	3.11E-04	5.91E-05	4.98E-05	2.81E-04	2.28E-04	4.60E-05	4.42E-05	3.44E-05	2.26E-05
1398	563910.7	4234595	3.51E-04	3.13E-04	5.95E-05	5.02E-05	2.83E-04	2.30E-04	4.64E-05	4.45E-05	3.47E-05	2.27E-05
1399	563914.9	4234606	3.52E-04	3.14E-04	5.98E-05	5.04E-05	2.85E-04	2.31E-04	4.66E-05	4.47E-05	3.48E-05	2.28E-05
1400	563919	4234616	3.48E-04	3.11E-04	5.91E-05	4.98E-05	2.81E-04	2.28E-04	4.60E-05	4.42E-05	3.44E-05	2.26E-05
1401	563923.2	4234626	3.43E-04	3.06E-04	5.82E-05	4.90E-05	2.77E-04	2.24E-04	4.53E-05	4.35E-05	3.39E-05	2.22E-05
1402	563260.6	4234600	5.26E-03	4.70E-03	8.93E-04	7.53E-04	4.25E-03	3.45E-03	6.96E-04	6.68E-04	5.20E-04	3.41E-04
1403	563266.7	4234592	4.70E-03	4.19E-03	7.97E-04	6.72E-04	3.79E-03	3.07E-03	6.21E-04	5.96E-04	4.64E-04	3.04E-04

1404	563257.6	4234585	5.27E-03	4.70E-03	8.95E-04	7.54E-04	4.26E-03	3.45E-03	6.97E-04	6.69E-04	5.21E-04	3.42E-04
1405	563272.8	4234584	4.23E-03	3.77E-03	7.17E-04	6.05E-04	3.41E-03	2.77E-03	5.59E-04	5.36E-04	4.17E-04	2.74E-04
1406	563263.1	4234577	4.76E-03	4.24E-03	8.07E-04	6.80E-04	3.84E-03	3.11E-03	6.29E-04	6.04E-04	4.70E-04	3.08E-04
1407	563277.6	4234575	3.89E-03	3.47E-03	6.60E-04	5.56E-04	3.14E-03	2.55E-03	5.14E-04	4.94E-04	3.84E-04	2.52E-04
1408	563285.2	4234582	3.57E-03	3.18E-03	6.06E-04	5.10E-04	2.88E-03	2.34E-03	4.72E-04	4.53E-04	3.52E-04	2.31E-04
1409	563268.7	4234569	4.32E-03	3.86E-03	7.34E-04	6.18E-04	3.49E-03	2.83E-03	5.72E-04	5.49E-04	4.27E-04	2.80E-04
1410	563283.6	4234567	3.55E-03	3.16E-03	6.02E-04	5.07E-04	2.86E-03	2.32E-03	4.69E-04	4.50E-04	3.50E-04	2.30E-04
1411	563292.1	4234574	3.24E-03	2.89E-03	5.49E-04	4.63E-04	2.61E-03	2.12E-03	4.28E-04	4.11E-04	3.20E-04	2.10E-04
1412	563274.2	4234560	3.96E-03	3.53E-03	6.71E-04	5.66E-04	3.19E-03	2.59E-03	5.23E-04	5.02E-04	3.91E-04	2.56E-04
1413	563294.5	4234551	3.01E-03	2.68E-03	5.10E-04	4.30E-04	2.43E-03	1.97E-03	3.97E-04	3.81E-04	2.97E-04	1.95E-04
1414	563302.6	4234557	2.76E-03	2.46E-03	4.69E-04	3.95E-04	2.23E-03	1.81E-03	3.65E-04	3.50E-04	2.73E-04	1.79E-04
1415	563285.3	4234544	3.33E-03	2.97E-03	5.64E-04	4.76E-04	2.69E-03	2.18E-03	4.40E-04	4.22E-04	3.28E-04	2.16E-04
1416	563306.3	4234535	2.56E-03	2.28E-03	4.34E-04	3.66E-04	2.06E-03	1.67E-03	3.38E-04	3.24E-04	2.52E-04	1.66E-04
1417	563315.8	4234543	2.33E-03	2.08E-03	3.95E-04	3.33E-04	1.88E-03	1.52E-03	3.08E-04	2.95E-04	2.30E-04	1.51E-04
1418	563296.4	4234527	2.83E-03	2.52E-03	4.80E-04	4.04E-04	2.28E-03	1.85E-03	3.74E-04	3.59E-04	2.79E-04	1.83E-04
1419	563317.2	4234518	2.24E-03	2.00E-03	3.81E-04	3.21E-04	1.81E-03	1.47E-03	2.97E-04	2.85E-04	2.21E-04	1.45E-04
1420	563326.2	4234525	2.06E-03	1.84E-03	3.50E-04	2.95E-04	1.66E-03	1.35E-03	2.73E-04	2.61E-04	2.04E-04	1.34E-04
1421	563335.2	4234533	1.89E-03	1.69E-03	3.22E-04	2.71E-04	1.53E-03	1.24E-03	2.51E-04	2.40E-04	1.87E-04	1.23E-04
1422	563307.5	4234510	2.46E-03	2.19E-03	4.17E-04	3.52E-04	1.99E-03	1.61E-03	3.25E-04	3.12E-04	2.43E-04	1.59E-04
1423	563328.1	4234501	2.00E-03	1.79E-03	3.40E-04	2.86E-04	1.62E-03	1.31E-03	2.65E-04	2.54E-04	1.98E-04	1.30E-04
1424	563336.8	4234508	1.85E-03	1.65E-03	3.14E-04	2.65E-04	1.49E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
1425	563345.5	4234516	1.71E-03	1.53E-03	2.90E-04	2.45E-04	1.38E-03	1.12E-03	2.26E-04	2.17E-04	1.69E-04	1.11E-04
1426	563318.6	4234494	2.18E-03	1.95E-03	3.71E-04	3.12E-04	1.76E-03	1.43E-03	2.89E-04	2.77E-04	2.16E-04	1.42E-04
1427	563339.1	4234484	1.81E-03	1.61E-03	3.07E-04	2.59E-04	1.46E-03	1.18E-03	2.39E-04	2.30E-04	1.79E-04	1.17E-04
1428	563347.6	4234491	1.69E-03	1.50E-03	2.86E-04	2.41E-04	1.36E-03	1.10E-03	2.23E-04	2.14E-04	1.67E-04	1.09E-04
1429	563356	4234498	1.57E-03	1.40E-03	2.66E-04	2.24E-04	1.27E-03	1.03E-03	2.07E-04	1.99E-04	1.55E-04	1.02E-04
1430	563364.5	4234506	1.46E-03	1.30E-03	2.47E-04	2.09E-04	1.18E-03	9.54E-04	1.93E-04	1.85E-04	1.44E-04	9.45E-05
1431	563329.7	4234477	1.96E-03	1.75E-03	3.32E-04	2.80E-04	1.58E-03	1.28E-03	2.59E-04	2.49E-04	1.93E-04	1.27E-04
1432	563350.6	4234468	1.65E-03	1.47E-03	2.80E-04	2.36E-04	1.33E-03	1.08E-03	2.18E-04	2.09E-04	1.63E-04	1.07E-04
1433	563359.9	4234476	1.53E-03	1.37E-03	2.60E-04	2.19E-04	1.24E-03	1.00E-03	2.03E-04	1.95E-04	1.51E-04	9.94E-05
1434	563369.2	4234484	1.42E-03	1.27E-03	2.41E-04	2.03E-04	1.15E-03	9.30E-04	1.88E-04	1.80E-04	1.40E-04	9.21E-05
1435	563378.5	4234491	1.31E-03	1.17E-03	2.23E-04	1.88E-04	1.06E-03	8.60E-04	1.74E-04	1.67E-04	1.30E-04	8.51E-05
1436	563340.8	4234461	1.78E-03	1.59E-03	3.02E-04	2.54E-04	1.44E-03	1.16E-03	2.35E-04	2.26E-04	1.76E-04	1.15E-04
1437	563361.6	4234451	1.52E-03	1.36E-03	2.58E-04	2.18E-04	1.23E-03	9.95E-04	2.01E-04	1.93E-04	1.50E-04	9.86E-05
1438	563370.6	4234459	1.41E-03	1.26E-03	2.40E-04	2.02E-04	1.14E-03	9.26E-04	1.87E-04	1.80E-04	1.40E-04	9.17E-05
1439	563379.6	4234466	1.31E-03	1.17E-03	2.23E-04	1.88E-04	1.06E-03	8.60E-04	1.74E-04	1.67E-04	1.30E-04	8.51E-05
1440	563388.6	4234474	1.22E-03	1.09E-03	2.07E-04	1.75E-04	9.86E-04	7.99E-04	1.62E-04	1.55E-04	1.21E-04	7.92E-05
1441	563351.9	4234444	1.64E-03	1.46E-03	2.78E-04	2.34E-04	1.32E-03	1.07E-03	2.17E-04	2.08E-04	1.62E-04	1.06E-04
1442	563372.6	4234434	1.40E-03	1.25E-03	2.38E-04	2.01E-04	1.13E-03	9.18E-04	1.85E-04	1.78E-04	1.39E-04	9.09E-05
1443	563381.4	4234442	1.31E-03	1.17E-03	2.22E-04	1.87E-04	1.06E-03	8.56E-04	1.73E-04	1.66E-04	1.29E-04	8.48E-05
1444	563390.2	4234449	1.22E-03	1.09E-03	2.07E-04	1.75E-04	9.85E-04	7.98E-04	1.61E-04	1.55E-04	1.21E-04	7.91E-05
1445	563398.9	4234457	1.14E-03	1.02E-03	1.93E-04	1.63E-04	9.19E-04	7.45E-04	1.51E-04	1.44E-04	1.12E-04	7.38E-05
1446	563407.7	4234464	1.06E-03	9.49E-04	1.80E-04	1.52E-04	8.59E-04	6.96E-04	1.41E-04	1.35E-04	1.05E-04	6.89E-05
1447	563363	4234427	1.51E-03	1.35E-03	2.56E-04	2.16E-04	1.22E-03	9.88E-04	2.00E-04	1.92E-04	1.49E-04	9.78E-05
1448	563384	4234418	1.29E-03	1.15E-03	2.20E-04	1.85E-04	1.04E-03	8.47E-04	1.71E-04	1.64E-04	1.28E-04	8.39E-05
1449	563393.5	4234426	1.20E-03	1.07E-03	2.04E-04	1.72E-04	9.72E-04	7.88E-04	1.59E-04	1.53E-04	1.19E-04	7.80E-05
1450	563402.9	4234434	1.12E-03	9.98E-04	1.90E-04	1.60E-04	9.04E-04	7.32E-04	1.48E-04	1.42E-04	1.11E-04	7.25E-05
1451	563412.4	4234442	1.04E-03	9.28E-04	1.77E-04	1.49E-04	8.40E-04	6.81E-04	1.38E-04	1.32E-04	1.03E-04	6.74E-05
1452	563421.9	4234450	9.69E-04	8.64E-04	1.64E-04	1.39E-04	7.82E-04	6.34E-04	1.28E-04	1.23E-04	9.57E-05	6.28E-05
1453	563374.1	4234411	1.39E-03	1.24E-03	2.36E-04	1.99E-04	1.12E-03	9.11E-04	1.84E-04	1.77E-04	1.37E-04	9.02E-05
1454	563395	4234401	1.20E-03	1.07E-03	2.04E-04	1.72E-04	9.72E-04	7.87E-04	1.59E-04	1.53E-04	1.19E-04	7.80E-05
1455	563404.2	4234409	1.12E-03	1.00E-03	1.91E-04	1.61E-04	9.08E-04	7.36E-04	1.49E-04	1.43E-04	1.11E-04	7.29E-05
1456	563413.4	4234417	1.05E-03	9.36E-04	1.78E-04	1.50E-04	8.47E-04	6.87E-04	1.39E-04	1.33E-04	1.04E-04	6.80E-05
1457	563422.6	4234425	9.79E-04	8.73E-04	1.66E-04	1.40E-04	7.91E-04	6.41E-04	1.29E-04	1.24E-04	9.67E-05	6.35E-05
1458	563431.9	4234432	9.20E-04	8.21E-04	1.56E-04	1.32E-04	7.43E-04	6.02E-04	1.22E-04	1.17E-04	9.09E-05	5.96E-05
1459	563385.2	4234394	1.29E-03	1.15E-03	2.19E-04	1.84E-04	1.04E-03	8.44E-04	1.71E-04	1.64E-04	1.27E-04	8.36E-05
1460	563417	4234368	1.05E-03	9.39E-04	1.79E-04	1.50E-04	8.50E-04	6.88E-04	1.39E-04	1.33E-04	1.04E-04	6.82E-05
1461	563425.9	4234375	9.91E-04	8.84E-04	1.68E-04	1.42E-04	8.00E-04	6.48E-04	1.31E-04	1.26E-04	9.78E-05	6.42E-05
1462	563434.7	4234383	9.31E-04	8.30E-04	1.58E-04	1.33E-04	7.52E-04	6.09E-04	1.23E-04	1.18E-04	9.19E-05	6.03E-05
1463	563443.5	4234390	8.74E-04	7.80E-04	1.48E-04	1.25E-04	7.06E-04	5.72E-04	1.16E-04	1.11E-04	8.63E-05	5.66E-05
1464	563407.4	4234361	1.13E-03	1.00E-03	1.91E-04	1.61E-04	9.09E-04	7.37E-04	1.49E-04	1.43E-04	1.11E-04	7.29E-05
1465	563439.4	4234335	9.57E-04	8.54E-04	1.62E-04	1.37E-04	7.73E-04	6.27E-04	1.27E-04	1.21E-04	9.46E-05	6.21E-05
1466	563494.4	4234381	6.62E-04	5.90E-04	1.12E-04	9.46E-05	5.34E-04	4.33E-04	8.75E-05	8.39E-05	6.53E-05	4.29E-05
1467	563429.6	4234327	1.02E-03	9.06E-04	1.72E-04	1.45E-04	8.20E-04	6.65E-04	1.34E-04	1.29E-04	1.00E-04	6.59E-05
1468	563499.6	4234333	6.74E-04	6.01E-04	1.14E-04	9.63E-05	5.44E-04	4.41E-04	8.91E-05	8.55E-05	6.65E-05	4.37E-05
1469	563509	4234341	6.33E-04	5.65E-04	1.07E-04	9.05E-05	5.11E-04	4.14E-04	8.37E-05	8.03E-05	6.25E-05	4.10E-05
1470	563518.5	4234349	6.01E-04	5.36E-04	1.02E-04	8.59E-05	4.85E-04	3.93E-04	7.95E-05	7.62E-05	5.93E-05	3.89E-05

1471	563492.9	4234276	7.33E-04	6.54E-04	1.24E-04	1.05E-04	5.92E-04	4.80E-04	9.69E-05	9.30E-05	7.24E-05	4.75E-05
1472	563502.1	4234284	6.95E-04	6.20E-04	1.18E-04	9.94E-05	5.61E-04	4.55E-04	9.19E-05	8.82E-05	6.86E-05	4.50E-05
1473	563511.2	4234291	6.58E-04	5.87E-04	1.12E-04	9.41E-05	5.31E-04	4.30E-04	8.70E-05	8.35E-05	6.50E-05	4.26E-05
1474	563520.3	4234299	6.26E-04	5.58E-04	1.06E-04	8.95E-05	5.05E-04	4.10E-04	8.28E-05	7.94E-05	6.18E-05	4.06E-05
1475	563529.5	4234307	5.97E-04	5.33E-04	1.01E-04	8.54E-05	4.82E-04	3.91E-04	7.90E-05	7.58E-05	5.90E-05	3.87E-05
1476	563538.6	4234314	5.75E-04	5.12E-04	9.75E-05	8.22E-05	4.64E-04	3.76E-04	7.60E-05	7.29E-05	5.67E-05	3.72E-05
1477	563547.8	4234322	5.56E-04	4.96E-04	9.44E-05	7.95E-05	4.49E-04	3.64E-04	7.36E-05	7.06E-05	5.49E-05	3.61E-05
1478	563506.1	4234235	6.97E-04	6.22E-04	1.18E-04	9.97E-05	5.63E-04	4.56E-04	9.22E-05	8.85E-05	6.89E-05	4.52E-05
1479	563515.5	4234243	6.68E-04	5.95E-04	1.13E-04	9.55E-05	5.39E-04	4.37E-04	8.83E-05	8.47E-05	6.59E-05	4.33E-05
1480	563524.9	4234251	6.41E-04	5.72E-04	1.09E-04	9.17E-05	5.17E-04	4.19E-04	8.48E-05	8.13E-05	6.33E-05	4.15E-05
1481	563534.3	4234259	6.15E-04	5.48E-04	1.04E-04	8.79E-05	4.96E-04	4.02E-04	8.13E-05	7.80E-05	6.07E-05	3.98E-05
1482	563543.6	4234267	5.89E-04	5.25E-04	9.99E-05	8.42E-05	4.75E-04	3.85E-04	7.78E-05	7.47E-05	5.81E-05	3.81E-05
1483	563553	4234275	5.63E-04	5.02E-04	9.56E-05	8.05E-05	4.55E-04	3.69E-04	7.45E-05	7.15E-05	5.56E-05	3.65E-05
1484	563562.4	4234282	5.39E-04	4.81E-04	9.14E-05	7.70E-05	4.35E-04	3.53E-04	7.12E-05	6.84E-05	5.32E-05	3.49E-05
1485	563571.8	4234290	5.16E-04	4.60E-04	8.75E-05	7.38E-05	4.16E-04	3.37E-04	6.82E-05	6.54E-05	5.09E-05	3.34E-05
1486	563581.2	4234298	4.94E-04	4.41E-04	8.38E-05	7.06E-05	3.99E-04	3.23E-04	6.53E-05	6.27E-05	4.88E-05	3.20E-05
1487	563496.2	4234228	7.26E-04	6.48E-04	1.23E-04	1.04E-04	5.86E-04	4.75E-04	9.60E-05	9.21E-05	7.17E-05	4.70E-05
1488	563528.2	4234202	6.50E-04	5.80E-04	1.10E-04	9.29E-05	5.25E-04	4.25E-04	8.59E-05	8.25E-05	6.42E-05	4.21E-05
1489	563537.3	4234209	6.29E-04	5.61E-04	1.07E-04	9.00E-05	5.08E-04	4.12E-04	8.32E-05	7.98E-05	6.21E-05	4.08E-05
1490	563546.4	4234217	6.08E-04	5.42E-04	1.03E-04	8.70E-05	4.91E-04	3.98E-04	8.04E-05	7.71E-05	6.00E-05	3.94E-05
1491	563555.5	4234225	5.87E-04	5.24E-04	9.96E-05	8.40E-05	4.74E-04	3.84E-04	7.76E-05	7.45E-05	5.80E-05	3.80E-05
1492	563564.7	4234232	5.66E-04	5.05E-04	9.60E-05	8.09E-05	4.57E-04	3.70E-04	7.48E-05	7.18E-05	5.59E-05	3.67E-05
1493	563573.8	4234240	5.45E-04	4.86E-04	9.25E-05	7.79E-05	4.40E-04	3.57E-04	7.21E-05	6.91E-05	5.38E-05	3.53E-05
1494	563582.9	4234248	5.25E-04	4.68E-04	8.90E-05	7.50E-05	4.24E-04	3.43E-04	6.94E-05	6.66E-05	5.18E-05	3.40E-05
1495	563592	4234255	5.04E-04	4.49E-04	8.55E-05	7.20E-05	4.07E-04	3.30E-04	6.66E-05	6.39E-05	4.98E-05	3.27E-05
1496	563601.2	4234263	4.75E-04	4.24E-04	8.07E-05	6.80E-05	3.84E-04	3.11E-04	6.29E-05	6.03E-05	4.70E-05	3.08E-05
1497	563610.3	4234271	4.49E-04	4.00E-04	7.61E-05	6.41E-05	3.62E-04	2.94E-04	5.93E-05	5.69E-05	4.43E-05	2.91E-05
1498	563518.4	4234194	6.72E-04	5.99E-04	1.14E-04	9.61E-05	5.43E-04	4.40E-04	8.89E-05	8.53E-05	6.64E-05	4.36E-05
1499	563550.5	4234169	6.15E-04	5.48E-04	1.04E-04	8.79E-05	4.96E-04	4.02E-04	8.13E-05	7.80E-05	6.07E-05	3.98E-05
1500	563559.8	4234176	5.97E-04	5.33E-04	1.01E-04	8.54E-05	4.82E-04	3.91E-04	7.90E-05	7.58E-05	5.90E-05	3.87E-05
1501	563569.1	4234184	5.80E-04	5.18E-04	9.85E-05	8.30E-05	4.69E-04	3.80E-04	7.67E-05	7.36E-05	5.73E-05	3.76E-05
1502	563578.5	4234192	5.63E-04	5.02E-04	9.55E-05	8.05E-05	4.54E-04	3.68E-04	7.44E-05	7.14E-05	5.56E-05	3.65E-05
1503	563587.8	4234200	5.45E-04	4.86E-04	9.25E-05	7.80E-05	4.40E-04	3.57E-04	7.21E-05	6.92E-05	5.38E-05	3.53E-05
1504	563597.1	4234208	5.21E-04	4.65E-04	8.85E-05	7.45E-05	4.21E-04	3.41E-04	6.89E-05	6.61E-05	5.15E-05	3.38E-05
1505	563606.5	4234216	4.93E-04	4.40E-04	8.37E-05	7.06E-05	3.98E-04	3.23E-04	6.53E-05	6.26E-05	4.87E-05	3.20E-05
1506	563615.8	4234223	4.66E-04	4.16E-04	7.91E-05	6.67E-05	3.76E-04	3.05E-04	6.17E-05	5.92E-05	4.60E-05	3.02E-05
1507	563625.1	4234231	4.40E-04	3.92E-04	7.46E-05	6.29E-05	3.55E-04	2.88E-04	5.81E-05	5.58E-05	4.34E-05	2.85E-05
1508	563634.5	4234239	4.14E-04	3.69E-04	7.03E-05	5.92E-05	3.34E-04	2.71E-04	5.48E-05	5.25E-05	4.09E-05	2.68E-05
1509	563540.6	4234161	6.32E-04	5.64E-04	1.07E-04	9.04E-05	5.10E-04	4.14E-04	8.36E-05	8.02E-05	6.24E-05	4.10E-05
1510	563572.6	4234135	5.86E-04	5.23E-04	9.95E-05	8.38E-05	4.73E-04	3.84E-04	7.75E-05	7.44E-05	5.79E-05	3.80E-05
1511	563581.7	4234143	5.66E-04	5.05E-04	9.60E-05	8.09E-05	4.57E-04	3.70E-04	7.48E-05	7.18E-05	5.59E-05	3.67E-05
1512	563590.8	4234150	5.43E-04	4.85E-04	9.22E-05	7.77E-05	4.39E-04	3.56E-04	7.19E-05	6.90E-05	5.37E-05	3.52E-05
1513	563599.9	4234158	5.22E-04	4.66E-04	8.86E-05	7.47E-05	4.22E-04	3.42E-04	6.91E-05	6.63E-05	5.16E-05	3.38E-05
1514	563609	4234166	5.10E-04	4.55E-04	8.65E-05	7.29E-05	4.12E-04	3.34E-04	6.74E-05	6.47E-05	5.04E-05	3.30E-05
1515	563618.1	4234173	4.90E-04	4.37E-04	8.32E-05	7.01E-05	3.96E-04	3.21E-04	6.49E-05	6.22E-05	4.84E-05	3.18E-05
1516	563627.2	4234181	4.66E-04	4.16E-04	7.91E-05	6.67E-05	3.76E-04	3.05E-04	6.16E-05	5.91E-05	4.60E-05	3.02E-05
1517	563636.3	4234189	4.42E-04	3.94E-04	7.50E-05	6.32E-05	3.57E-04	2.89E-04	5.85E-05	5.61E-05	4.37E-05	2.87E-05
1518	563645.4	4234196	4.18E-04	3.73E-04	7.09E-05	5.98E-05	3.37E-04	2.74E-04	5.53E-05	5.30E-05	4.13E-05	2.71E-05
1519	563654.5	4234204	3.94E-04	3.51E-04	6.69E-05	5.63E-05	3.18E-04	2.58E-04	5.21E-05	5.00E-05	3.89E-05	2.55E-05
1520	563663.7	4234212	3.70E-04	3.30E-04	6.27E-05	5.29E-05	2.99E-04	2.42E-04	4.89E-05	4.69E-05	3.65E-05	2.40E-05
1521	563562.8	4234128	6.00E-04	5.35E-04	1.02E-04	8.58E-05	4.84E-04	3.93E-04	7.93E-05	7.61E-05	5.93E-05	3.89E-05
1522	563594.9	4234102	5.43E-04	4.85E-04	9.22E-05	7.77E-05	4.39E-04	3.56E-04	7.18E-05	6.89E-05	5.37E-05	3.52E-05
1523	563604.2	4234110	5.24E-04	4.68E-04	8.90E-05	7.50E-05	4.23E-04	3.43E-04	6.94E-05	6.65E-05	5.18E-05	3.40E-05
1524	563613.5	4234118	5.11E-04	4.55E-04	8.66E-05	7.30E-05	4.12E-04	3.34E-04	6.75E-05	6.48E-05	5.04E-05	3.31E-05
1525	563622.7	4234125	5.00E-04	4.46E-04	8.48E-05	7.15E-05	4.04E-04	3.27E-04	6.61E-05	6.34E-05	4.94E-05	3.24E-05
1526	563632	4234133	4.79E-04	4.27E-04	8.12E-05	6.85E-05	3.87E-04	3.13E-04	6.33E-05	6.08E-05	4.73E-05	3.10E-05
1527	563641.3	4234141	4.57E-04	4.08E-04	7.75E-05	6.53E-05	3.69E-04	2.99E-04	6.04E-05	5.80E-05	4.51E-05	2.96E-05
1528	563650.6	4234149	4.34E-04	3.87E-04	7.37E-05	6.21E-05	3.51E-04	2.84E-04	5.74E-05	5.51E-05	4.29E-05	2.81E-05
1529	563659.9	4234157	4.12E-04	3.67E-04	6.98E-05	5.89E-05	3.32E-04	2.69E-04	5.44E-05	5.22E-05	4.06E-05	2.67E-05
1530	563669.2	4234164	3.89E-04	3.47E-04	6.60E-05	5.56E-05	3.14E-04	2.54E-04	5.14E-05	4.93E-05	3.84E-05	2.52E-05
1531	563678.5	4234172	3.66E-04	3.26E-04	6.21E-05	5.23E-05	2.95E-04	2.39E-04	4.84E-05	4.64E-05	3.61E-05	2.37E-05
1532	563585.1	4234095	5.62E-04	5.02E-04	9.54E-05	8.04E-05	4.54E-04	3.68E-04	7.44E-05	7.13E-05	5.55E-05	3.64E-05
1533	563617.2	4234069	5.04E-04	4.50E-04	8.56E-05	7.21E-05	4.07E-04	3.30E-04	6.67E-05	6.40E-05	4.98E-05	3.27E-05
1534	563626.6	4234077	4.88E-04	4.35E-04	8.27E-05	6.97E-05	3.94E-04	3.19E-04	6.45E-05	6.19E-05	4.82E-05	3.16E-05
1535	563636.1	4234085	4.72E-04	4.21E-04	8.01E-05	6.75E-05	3.81E-04	3.09E-04	6.24E-05	5.99E-05	4.66E-05	3.06E-05
1536	563645.5	4234093	4.62E-04	4.12E-04	7.83E-05	6.60E-05	3.73E-04	3.02E-04	6.11E-05	5.86E-05	4.56E-05	2.99E-05
1537	563655	4234101	4.48E-04	3.99E-04	7.59E-05	6.40E-05	3.61E-04	2.93E-04	5.92E-05	5.68E-05	4.42E-05	2.90E-05

1538	563664.5	4234109	4.27E-04	3.81E-04	7.25E-05	6.11E-05	3.45E-04	2.80E-04	5.65E-05	5.42E-05	4.22E-05	2.77E-05
1539	563673.9	4234116	4.06E-04	3.62E-04	6.88E-05	5.80E-05	3.28E-04	2.65E-04	5.36E-05	5.15E-05	4.01E-05	2.63E-05
1540	563607.3	4234061	5.22E-04	4.65E-04	8.85E-05	7.46E-05	4.21E-04	3.41E-04	6.90E-05	6.62E-05	5.15E-05	3.38E-05
1541	563214	4234603	1.22E-02	1.08E-02	2.06E-03	1.74E-03	9.82E-03	7.96E-03	1.61E-03	1.54E-03	1.20E-03	7.88E-04
1542	563197.8	4234602	1.59E-02	1.42E-02	2.70E-03	2.28E-03	1.28E-02	1.04E-02	2.10E-03	2.02E-03	1.57E-03	1.03E-03
1543	563214.9	4234593	1.10E-02	9.80E-03	1.86E-03	1.57E-03	8.87E-03	7.19E-03	1.45E-03	1.39E-03	1.08E-03	7.12E-04
1544	563198.7	4234592	1.41E-02	1.26E-02	2.40E-03	2.02E-03	1.14E-02	9.24E-03	1.87E-03	1.79E-03	1.39E-03	9.15E-04
1545	563215.8	4234583	1.00E-02	8.94E-03	1.70E-03	1.43E-03	8.09E-03	6.56E-03	1.33E-03	1.27E-03	9.90E-04	6.49E-04
1546	563199.6	4234582	1.27E-02	1.13E-02	2.15E-03	1.81E-03	1.02E-02	8.29E-03	1.68E-03	1.61E-03	1.25E-03	8.21E-04
1547	563216.6	4234573	9.22E-03	8.22E-03	1.56E-03	1.32E-03	7.44E-03	6.03E-03	1.22E-03	1.17E-03	9.11E-04	5.98E-04
1548	563200.4	4234572	1.15E-02	1.02E-02	1.95E-03	1.64E-03	9.27E-03	7.51E-03	1.52E-03	1.46E-03	1.13E-03	7.44E-04
1549	563217.5	4234563	8.54E-03	7.62E-03	1.45E-03	1.22E-03	6.89E-03	5.59E-03	1.13E-03	1.08E-03	8.43E-04	5.53E-04
1550	563201.3	4234562	1.05E-02	9.35E-03	1.78E-03	1.50E-03	8.46E-03	6.86E-03	1.39E-03	1.33E-03	1.03E-03	6.79E-04
1551	563218.3	4234553	7.95E-03	7.09E-03	1.35E-03	1.14E-03	6.42E-03	5.20E-03	1.05E-03	1.01E-03	7.85E-04	5.15E-04
1552	563202.1	4234552	9.62E-03	8.59E-03	1.63E-03	1.38E-03	7.77E-03	6.30E-03	1.27E-03	1.22E-03	9.50E-04	6.24E-04
1553	563260.8	4234556	4.65E-03	4.15E-03	7.90E-04	6.66E-04	3.76E-03	3.05E-03	6.15E-04	5.91E-04	4.60E-04	3.02E-04
1554	563219.2	4234543	7.43E-03	6.63E-03	1.26E-03	1.06E-03	6.00E-03	4.86E-03	9.83E-04	9.43E-04	7.34E-04	4.82E-04
1555	563203	4234542	8.87E-03	7.92E-03	1.51E-03	1.27E-03	7.16E-03	5.81E-03	1.17E-03	1.13E-03	8.76E-04	5.75E-04
1556	563264.2	4234536	4.23E-03	3.78E-03	7.19E-04	6.06E-04	3.42E-03	2.77E-03	5.60E-04	5.37E-04	4.18E-04	2.74E-04
1557	563220.9	4234523	6.56E-03	5.86E-03	1.11E-03	9.39E-04	5.30E-03	4.30E-03	8.68E-04	8.33E-04	6.48E-04	4.25E-04
1558	563204.7	4234522	7.62E-03	6.80E-03	1.29E-03	1.09E-03	6.15E-03	4.99E-03	1.01E-03	9.67E-04	7.53E-04	4.94E-04
1559	563267.2	4234517	3.86E-03	3.45E-03	6.56E-04	5.53E-04	3.12E-03	2.53E-03	5.11E-04	4.90E-04	3.82E-04	2.50E-04
1560	563281.8	4234522	3.31E-03	2.95E-03	5.62E-04	4.73E-04	2.67E-03	2.17E-03	4.38E-04	4.20E-04	3.27E-04	2.15E-04
1561	563222.7	4234503	5.78E-03	5.16E-03	9.81E-04	8.27E-04	4.67E-03	3.78E-03	7.64E-04	7.33E-04	5.71E-04	3.75E-04
1562	563206.4	4234502	6.61E-03	5.90E-03	1.12E-03	9.45E-04	5.34E-03	4.32E-03	8.74E-04	8.39E-04	6.53E-04	4.28E-04
1563	563255	4234492	4.08E-03	3.64E-03	6.92E-04	5.83E-04	3.29E-03	2.67E-03	5.39E-04	5.17E-04	4.03E-04	2.64E-04
1564	563270	4234497	3.58E-03	3.20E-03	6.08E-04	5.12E-04	2.89E-03	2.34E-03	4.74E-04	4.54E-04	3.54E-04	2.32E-04
1565	563285	4234503	3.09E-03	2.76E-03	5.24E-04	4.42E-04	2.49E-03	2.02E-03	4.09E-04	3.92E-04	3.05E-04	2.00E-04
1566	563224.4	4234483	5.12E-03	4.57E-03	8.69E-04	7.32E-04	4.13E-03	3.35E-03	6.77E-04	6.50E-04	5.06E-04	3.32E-04
1567	563208.2	4234482	5.79E-03	5.16E-03	9.82E-04	8.28E-04	4.67E-03	3.79E-03	7.65E-04	7.34E-04	5.71E-04	3.75E-04
1568	563257.2	4234472	3.76E-03	3.36E-03	6.38E-04	5.38E-04	3.04E-03	2.46E-03	4.98E-04	4.77E-04	3.72E-04	2.44E-04
1569	563272.6	4234478	3.35E-03	2.98E-03	5.68E-04	4.78E-04	2.70E-03	2.19E-03	4.42E-04	4.24E-04	3.30E-04	2.17E-04
1570	563287.9	4234483	2.91E-03	2.60E-03	4.94E-04	4.16E-04	2.35E-03	1.90E-03	3.85E-04	3.69E-04	2.87E-04	1.89E-04
1571	563303.3	4234488	2.51E-03	2.24E-03	4.27E-04	3.60E-04	2.03E-03	1.65E-03	3.33E-04	3.19E-04	2.48E-04	1.63E-04
1572	563226.1	4234464	4.64E-03	4.14E-03	7.87E-04	6.63E-04	3.75E-03	3.04E-03	6.13E-04	5.89E-04	4.58E-04	3.01E-04
1573	563209.9	4234462	5.17E-03	4.61E-03	8.76E-04	7.39E-04	4.17E-03	3.38E-03	6.83E-04	6.55E-04	5.10E-04	3.35E-04
1574	563257.6	4234452	3.52E-03	3.14E-03	5.98E-04	5.04E-04	2.84E-03	2.31E-03	4.66E-04	4.47E-04	3.48E-04	2.28E-04
1575	563272	4234457	3.21E-03	2.86E-03	5.44E-04	4.58E-04	2.59E-03	2.10E-03	4.24E-04	4.07E-04	3.17E-04	2.08E-04
1576	563286.4	4234462	2.85E-03	2.54E-03	4.83E-04	4.07E-04	2.30E-03	1.86E-03	3.77E-04	3.61E-04	2.81E-04	1.85E-04
1577	563300.9	4234467	2.51E-03	2.24E-03	4.26E-04	3.59E-04	2.03E-03	1.64E-03	3.32E-04	3.19E-04	2.48E-04	1.63E-04
1578	563315.3	4234472	2.22E-03	1.98E-03	3.77E-04	3.18E-04	1.79E-03	1.45E-03	2.94E-04	2.82E-04	2.19E-04	1.44E-04
1579	563227.8	4234444	4.18E-03	3.73E-03	7.10E-04	5.98E-04	3.38E-03	2.74E-03	5.53E-04	5.31E-04	4.13E-04	2.71E-04
1580	563211.6	4234442	4.61E-03	4.11E-03	7.82E-04	6.59E-04	3.72E-03	3.02E-03	6.09E-04	5.85E-04	4.55E-04	2.99E-04
1581	563259.7	4234432	3.23E-03	2.88E-03	5.48E-04	4.62E-04	2.61E-03	2.11E-03	4.27E-04	4.10E-04	3.19E-04	2.09E-04
1582	563274.5	4234437	2.96E-03	2.64E-03	5.02E-04	4.23E-04	2.39E-03	1.94E-03	3.91E-04	3.75E-04	2.92E-04	1.92E-04
1583	563289.2	4234442	2.67E-03	2.38E-03	4.53E-04	3.82E-04	2.16E-03	1.75E-03	3.53E-04	3.39E-04	2.64E-04	1.73E-04
1584	563304	4234448	2.38E-03	2.13E-03	4.04E-04	3.41E-04	1.92E-03	1.56E-03	3.15E-04	3.02E-04	2.35E-04	1.54E-04
1585	563318.7	4234453	2.13E-03	1.90E-03	3.61E-04	3.04E-04	1.72E-03	1.39E-03	2.81E-04	2.70E-04	2.10E-04	1.38E-04
1586	563229.5	4234424	3.78E-03	3.37E-03	6.41E-04	5.41E-04	3.05E-03	2.47E-03	5.00E-04	4.80E-04	3.73E-04	2.45E-04
1587	563213.3	4234422	4.13E-03	3.69E-03	7.01E-04	5.91E-04	3.34E-03	2.70E-03	5.47E-04	5.24E-04	4.08E-04	2.68E-04
1588	563261.9	4234412	3.00E-03	2.67E-03	5.08E-04	4.29E-04	2.42E-03	1.96E-03	3.96E-04	3.80E-04	2.96E-04	1.94E-04
1589	563276.9	4234418	2.76E-03	2.46E-03	4.68E-04	3.94E-04	2.23E-03	1.80E-03	3.65E-04	3.50E-04	2.72E-04	1.79E-04
1590	563291.9	4234423	2.51E-03	2.24E-03	4.26E-04	3.59E-04	2.03E-03	1.64E-03	3.32E-04	3.19E-04	2.48E-04	1.63E-04
1591	563306.9	4234428	2.27E-03	2.03E-03	3.86E-04	3.25E-04	1.84E-03	1.49E-03	3.01E-04	2.88E-04	2.24E-04	1.47E-04
1592	563321.9	4234433	2.05E-03	1.83E-03	3.48E-04	2.93E-04	1.66E-03	1.34E-03	2.71E-04	2.60E-04	2.03E-04	1.33E-04
1593	563336.9	4234439	1.84E-03	1.64E-03	3.12E-04	2.63E-04	1.48E-03	1.20E-03	2.43E-04	2.33E-04	1.81E-04	1.19E-04
1594	563215.1	4234402	3.77E-03	3.36E-03	6.40E-04	5.39E-04	3.04E-03	2.47E-03	4.99E-04	4.78E-04	3.72E-04	2.44E-04
1595	563263.9	4234393	2.80E-03	2.50E-03	4.75E-04	4.01E-04	2.26E-03	1.83E-03	3.70E-04	3.55E-04	2.77E-04	1.82E-04
1596	563279.2	4234398	2.59E-03	2.31E-03	4.40E-04	3.71E-04	2.09E-03	1.70E-03	3.43E-04	3.29E-04	2.56E-04	1.68E-04
1597	563294.4	4234403	2.38E-03	2.12E-03	4.04E-04	3.40E-04	1.92E-03	1.56E-03	3.15E-04	3.02E-04	2.35E-04	1.54E-04
1598	563309.7	4234409	2.17E-03	1.93E-03	3.67E-04	3.10E-04	1.75E-03	1.42E-03	2.86E-04	2.75E-04	2.14E-04	1.40E-04
1599	563324.9	4234414	1.97E-03	1.76E-03	3.34E-04	2.81E-04	1.59E-03	1.29E-03	2.60E-04	2.50E-04	1.94E-04	1.28E-04
1600	563340.2	4234419	1.78E-03	1.59E-03	3.02E-04	2.55E-04	1.44E-03	1.17E-03	2.36E-04	2.26E-04	1.76E-04	1.15E-04
1601	563216.8	4234382	3.46E-03	3.08E-03	5.87E-04	4.94E-04	2.79E-03	2.26E-03	4.57E-04	4.39E-04	3.41E-04	2.24E-04
1602	563264.7	4234372	2.64E-03	2.36E-03	4.48E-04	3.78E-04	2.13E-03	1.73E-03	3.49E-04	3.35E-04	2.61E-04	1.71E-04
1603	563279.3	4234377	2.47E-03	2.20E-03	4.19E-04	3.53E-04	1.99E-03	1.62E-03	3.27E-04	3.13E-04	2.44E-04	1.60E-04
1604	563293.9	4234383	2.29E-03	2.05E-03	3.89E-04	3.28E-04	1.85E-03	1.50E-03	3.03E-04	2.91E-04	2.26E-04	1.49E-04

1605	563308.5	4234388	2.11E-03	1.88E-03	3.58E-04	3.02E-04	1.70E-03	1.38E-03	2.79E-04	2.68E-04	2.08E-04	1.37E-04
1606	563323.1	4234393	1.93E-03	1.72E-03	3.28E-04	2.76E-04	1.56E-03	1.26E-03	2.55E-04	2.45E-04	1.91E-04	1.25E-04
1607	563337.6	4234398	1.76E-03	1.57E-03	2.99E-04	2.52E-04	1.42E-03	1.15E-03	2.33E-04	2.24E-04	1.74E-04	1.14E-04
1608	563352.2	4234403	1.61E-03	1.44E-03	2.74E-04	2.31E-04	1.30E-03	1.06E-03	2.13E-04	2.05E-04	1.59E-04	1.05E-04
1609	563218.5	4234363	3.18E-03	2.84E-03	5.40E-04	4.55E-04	2.57E-03	2.08E-03	4.21E-04	4.04E-04	3.15E-04	2.06E-04
1610	563266.7	4234352	2.48E-03	2.21E-03	4.21E-04	3.54E-04	2.00E-03	1.62E-03	3.28E-04	3.15E-04	2.45E-04	1.61E-04
1611	563281.6	4234358	2.33E-03	2.08E-03	3.95E-04	3.33E-04	1.88E-03	1.52E-03	3.08E-04	2.96E-04	2.30E-04	1.51E-04
1612	563296.4	4234363	2.17E-03	1.94E-03	3.69E-04	3.11E-04	1.75E-03	1.42E-03	2.87E-04	2.76E-04	2.15E-04	1.41E-04
1613	563311.2	4234368	2.01E-03	1.79E-03	3.41E-04	2.88E-04	1.62E-03	1.32E-03	2.66E-04	2.55E-04	1.99E-04	1.30E-04
1614	563326	4234373	1.85E-03	1.65E-03	3.14E-04	2.64E-04	1.49E-03	1.21E-03	2.44E-04	2.35E-04	1.83E-04	1.20E-04
1615	563340.8	4234378	1.70E-03	1.52E-03	2.88E-04	2.43E-04	1.37E-03	1.11E-03	2.25E-04	2.16E-04	1.68E-04	1.10E-04
1616	563355.6	4234384	1.56E-03	1.39E-03	2.65E-04	2.24E-04	1.26E-03	1.02E-03	2.07E-04	1.98E-04	1.54E-04	1.01E-04
1617	563370.4	4234389	1.43E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.34E-04	1.89E-04	1.81E-04	1.41E-04	9.25E-05
1618	563220.2	4234343	2.95E-03	2.63E-03	5.00E-04	4.21E-04	2.38E-03	1.93E-03	3.90E-04	3.74E-04	2.91E-04	1.91E-04
1619	563270.7	4234313	2.20E-03	1.96E-03	3.73E-04	3.15E-04	1.78E-03	1.44E-03	2.91E-04	2.79E-04	2.17E-04	1.43E-04
1620	563285.9	4234318	2.10E-03	1.87E-03	3.56E-04	3.00E-04	1.69E-03	1.37E-03	2.77E-04	2.66E-04	2.07E-04	1.36E-04
1621	563301.1	4234323	1.98E-03	1.77E-03	3.36E-04	2.83E-04	1.60E-03	1.29E-03	2.62E-04	2.51E-04	1.95E-04	1.28E-04
1622	563316.3	4234329	1.86E-03	1.66E-03	3.15E-04	2.65E-04	1.50E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
1623	563331.5	4234334	1.74E-03	1.55E-03	2.95E-04	2.49E-04	1.40E-03	1.14E-03	2.30E-04	2.21E-04	1.72E-04	1.13E-04
1624	563346.7	4234339	1.60E-03	1.43E-03	2.72E-04	2.29E-04	1.29E-03	1.05E-03	2.12E-04	2.03E-04	1.58E-04	1.04E-04
1625	563361.9	4234345	1.47E-03	1.32E-03	2.50E-04	2.11E-04	1.19E-03	9.65E-04	1.95E-04	1.87E-04	1.46E-04	9.56E-05
1626	563377.1	4234350	1.36E-03	1.21E-03	2.31E-04	1.94E-04	1.10E-03	8.90E-04	1.80E-04	1.72E-04	1.34E-04	8.81E-05
1627	563392.2	4234355	1.24E-03	1.11E-03	2.11E-04	1.78E-04	1.00E-03	8.14E-04	1.64E-04	1.58E-04	1.23E-04	8.06E-05
1628	563223.7	4234303	2.55E-03	2.27E-03	4.32E-04	3.64E-04	2.06E-03	1.67E-03	3.37E-04	3.23E-04	2.52E-04	1.65E-04
1629	563258.8	4234268	2.06E-03	1.84E-03	3.50E-04	2.95E-04	1.67E-03	1.35E-03	2.73E-04	2.62E-04	2.04E-04	1.34E-04
1630	563273.7	4234273	1.98E-03	1.76E-03	3.36E-04	2.83E-04	1.60E-03	1.29E-03	2.62E-04	2.51E-04	1.95E-04	1.28E-04
1631	563288.5	4234278	1.91E-03	1.70E-03	3.24E-04	2.73E-04	1.54E-03	1.25E-03	2.53E-04	2.42E-04	1.89E-04	1.24E-04
1632	563303.4	4234283	1.84E-03	1.64E-03	3.12E-04	2.63E-04	1.49E-03	1.20E-03	2.43E-04	2.34E-04	1.82E-04	1.19E-04
1633	563318.2	4234288	1.75E-03	1.56E-03	2.98E-04	2.51E-04	1.42E-03	1.15E-03	2.32E-04	2.23E-04	1.73E-04	1.14E-04
1634	563333.1	4234294	1.65E-03	1.47E-03	2.80E-04	2.36E-04	1.33E-03	1.08E-03	2.19E-04	2.10E-04	1.63E-04	1.07E-04
1635	563347.9	4234299	1.55E-03	1.39E-03	2.63E-04	2.22E-04	1.25E-03	1.02E-03	2.05E-04	1.97E-04	1.53E-04	1.01E-04
1636	563362.8	4234304	1.46E-03	1.30E-03	2.48E-04	2.09E-04	1.18E-03	9.57E-04	1.93E-04	1.86E-04	1.44E-04	9.48E-05
1637	563377.7	4234309	1.35E-03	1.21E-03	2.30E-04	1.94E-04	1.09E-03	8.86E-04	1.79E-04	1.72E-04	1.34E-04	8.78E-05
1638	563392.5	4234314	1.25E-03	1.12E-03	2.13E-04	1.79E-04	1.01E-03	8.20E-04	1.66E-04	1.59E-04	1.24E-04	8.12E-05
1639	563407.4	4234320	1.15E-03	1.03E-03	1.96E-04	1.65E-04	9.33E-04	7.56E-04	1.53E-04	1.47E-04	1.14E-04	7.49E-05
1640	563227.1	4234263	2.24E-03	2.00E-03	3.80E-04	3.21E-04	1.81E-03	1.47E-03	2.96E-04	2.84E-04	2.21E-04	1.45E-04
1641	563262.4	4234228	1.88E-03	1.68E-03	3.19E-04	2.69E-04	1.52E-03	1.23E-03	2.49E-04	2.39E-04	1.86E-04	1.22E-04
1642	563277.6	4234233	1.82E-03	1.63E-03	3.09E-04	2.61E-04	1.47E-03	1.19E-03	2.41E-04	2.31E-04	1.80E-04	1.18E-04
1643	563292.7	4234238	1.75E-03	1.56E-03	2.98E-04	2.51E-04	1.42E-03	1.15E-03	2.32E-04	2.22E-04	1.73E-04	1.14E-04
1644	563307.9	4234244	1.68E-03	1.50E-03	2.86E-04	2.41E-04	1.36E-03	1.10E-03	2.23E-04	2.14E-04	1.66E-04	1.09E-04
1645	563323	4234249	1.63E-03	1.45E-03	2.76E-04	2.33E-04	1.31E-03	1.06E-03	2.15E-04	2.06E-04	1.61E-04	1.05E-04
1646	563338.2	4234254	1.55E-03	1.39E-03	2.64E-04	2.22E-04	1.26E-03	1.02E-03	2.06E-04	1.97E-04	1.54E-04	1.01E-04
1647	563353.3	4234260	1.46E-03	1.30E-03	2.48E-04	2.09E-04	1.18E-03	9.56E-04	1.93E-04	1.85E-04	1.44E-04	9.47E-05
1648	563368.5	4234265	1.37E-03	1.22E-03	2.32E-04	1.96E-04	1.10E-03	8.95E-04	1.81E-04	1.74E-04	1.35E-04	8.87E-05
1649	563383.6	4234270	1.28E-03	1.14E-03	2.17E-04	1.83E-04	1.03E-03	8.36E-04	1.69E-04	1.62E-04	1.26E-04	8.28E-05
1650	563398.8	4234276	1.19E-03	1.06E-03	2.02E-04	1.70E-04	9.59E-04	7.77E-04	1.57E-04	1.51E-04	1.17E-04	7.70E-05
1651	563414	4234281	1.10E-03	9.83E-04	1.87E-04	1.58E-04	8.90E-04	7.21E-04	1.46E-04	1.40E-04	1.09E-04	7.14E-05
1652	563429.1	4234286	1.02E-03	9.10E-04	1.73E-04	1.46E-04	8.24E-04	6.68E-04	1.35E-04	1.29E-04	1.01E-04	6.61E-05
1653	563230.5	4234223	2.02E-03	1.80E-03	3.42E-04	2.88E-04	1.63E-03	1.32E-03	2.67E-04	2.56E-04	1.99E-04	1.31E-04
1654	563265.7	4234188	1.70E-03	1.51E-03	2.88E-04	2.43E-04	1.37E-03	1.11E-03	2.24E-04	2.15E-04	1.68E-04	1.10E-04
1655	563280.6	4234193	1.66E-03	1.48E-03	2.82E-04	2.37E-04	1.34E-03	1.09E-03	2.20E-04	2.11E-04	1.64E-04	1.08E-04
1656	563295.5	4234198	1.62E-03	1.45E-03	2.75E-04	2.32E-04	1.31E-03	1.06E-03	2.14E-04	2.06E-04	1.60E-04	1.05E-04
1657	563310.4	4234204	1.57E-03	1.40E-03	2.66E-04	2.24E-04	1.27E-03	1.03E-03	2.07E-04	1.99E-04	1.55E-04	1.02E-04
1658	563325.2	4234209	1.51E-03	1.35E-03	2.57E-04	2.16E-04	1.22E-03	9.90E-04	2.00E-04	1.92E-04	1.49E-04	9.81E-05
1659	563340.1	4234214	1.45E-03	1.30E-03	2.46E-04	2.08E-04	1.17E-03	9.50E-04	1.92E-04	1.84E-04	1.43E-04	9.41E-05
1660	563355	4234219	1.38E-03	1.23E-03	2.34E-04	1.97E-04	1.11E-03	9.01E-04	1.82E-04	1.75E-04	1.36E-04	8.93E-05
1661	563369.9	4234224	1.30E-03	1.16E-03	2.21E-04	1.86E-04	1.05E-03	8.52E-04	1.72E-04	1.65E-04	1.29E-04	8.43E-05
1662	563384.8	4234230	1.23E-03	1.09E-03	2.08E-04	1.75E-04	9.89E-04	8.02E-04	1.62E-04	1.55E-04	1.21E-04	7.94E-05
1663	563399.6	4234235	1.15E-03	1.03E-03	1.95E-04	1.65E-04	9.29E-04	7.53E-04	1.52E-04	1.46E-04	1.14E-04	7.46E-05
1664	563414.5	4234240	1.08E-03	9.61E-04	1.83E-04	1.54E-04	8.70E-04	7.05E-04	1.43E-04	1.37E-04	1.06E-04	6.98E-05
1665	563429.4	4234245	1.01E-03	8.98E-04	1.71E-04	1.44E-04	8.13E-04	6.59E-04	1.33E-04	1.28E-04	9.95E-05	6.53E-05
1666	563269.3	4234148	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.01E-03	2.03E-04	1.95E-04	1.52E-04	9.97E-05
1667	563284.4	4234153	1.50E-03	1.34E-03	2.55E-04	2.15E-04	1.21E-03	9.84E-04	1.99E-04	1.91E-04	1.49E-04	9.75E-05
1668	563299.6	4234159	1.47E-03	1.31E-03	2.49E-04	2.10E-04	1.18E-03	9.59E-04	1.94E-04	1.86E-04	1.45E-04	9.50E-05
1669	563314.7	4234164	1.44E-03	1.28E-03	2.44E-04	2.06E-04	1.16E-03	9.41E-04	1.90E-04	1.82E-04	1.42E-04	9.32E-05
1670	563329.8	4234169	1.40E-03	1.25E-03	2.38E-04	2.00E-04	1.13E-03	9.16E-04	1.85E-04	1.78E-04	1.38E-04	9.08E-05
1671	563344.9	4234175	1.34E-03	1.20E-03	2.28E-04	1.92E-04	1.09E-03	8.80E-04	1.78E-04	1.71E-04	1.33E-04	8.71E-05

1672	563360.1	4234180	1.28E-03	1.14E-03	2.17E-04	1.83E-04	1.03E-03	8.39E-04	1.69E-04	1.63E-04	1.27E-04	8.31E-05
1673	563375.2	4234185	1.22E-03	1.09E-03	2.07E-04	1.74E-04	9.83E-04	7.96E-04	1.61E-04	1.54E-04	1.20E-04	7.89E-05
1674	563390.3	4234191	1.15E-03	1.03E-03	1.95E-04	1.65E-04	9.30E-04	7.54E-04	1.52E-04	1.46E-04	1.14E-04	7.46E-05
1675	563405.5	4234196	1.08E-03	9.61E-04	1.83E-04	1.54E-04	8.70E-04	7.05E-04	1.42E-04	1.37E-04	1.06E-04	6.98E-05
1676	563420.6	4234201	1.01E-03	9.00E-04	1.71E-04	1.44E-04	8.14E-04	6.60E-04	1.33E-04	1.28E-04	9.96E-05	6.54E-05
1677	563481.1	4234222	7.69E-04	6.86E-04	1.30E-04	1.10E-04	6.21E-04	5.03E-04	1.02E-04	9.75E-05	7.59E-05	4.98E-05
1678	563272.9	4234108	1.38E-03	1.23E-03	2.34E-04	1.98E-04	1.12E-03	9.04E-04	1.83E-04	1.75E-04	1.36E-04	8.95E-05
1679	563288.2	4234114	1.36E-03	1.21E-03	2.31E-04	1.95E-04	1.10E-03	8.91E-04	1.80E-04	1.73E-04	1.34E-04	8.82E-05
1680	563303.6	4234119	1.33E-03	1.19E-03	2.26E-04	1.91E-04	1.08E-03	8.74E-04	1.77E-04	1.69E-04	1.32E-04	8.65E-05
1681	563318.9	4234124	1.30E-03	1.16E-03	2.21E-04	1.86E-04	1.05E-03	8.53E-04	1.72E-04	1.65E-04	1.29E-04	8.45E-05
1682	563334.3	4234130	1.27E-03	1.13E-03	2.15E-04	1.81E-04	1.02E-03	8.28E-04	1.67E-04	1.61E-04	1.25E-04	8.20E-05
1683	563349.6	4234135	1.24E-03	1.10E-03	2.10E-04	1.77E-04	9.98E-04	8.09E-04	1.63E-04	1.57E-04	1.22E-04	8.01E-05
1684	563365	4234141	1.19E-03	1.07E-03	2.03E-04	1.71E-04	9.64E-04	7.82E-04	1.58E-04	1.52E-04	1.18E-04	7.74E-05
1685	563380.3	4234146	1.13E-03	1.01E-03	1.92E-04	1.62E-04	9.15E-04	7.42E-04	1.50E-04	1.44E-04	1.12E-04	7.34E-05
1686	563395.6	4234151	1.08E-03	9.60E-04	1.83E-04	1.54E-04	8.69E-04	7.04E-04	1.42E-04	1.37E-04	1.06E-04	6.98E-05
1687	563411	4234157	1.01E-03	9.00E-04	1.71E-04	1.44E-04	8.15E-04	6.60E-04	1.33E-04	1.28E-04	9.96E-05	6.54E-05
1688	563472.4	4234178	7.92E-04	7.06E-04	1.34E-04	1.13E-04	6.39E-04	5.18E-04	1.05E-04	1.00E-04	7.82E-05	5.13E-05
1689	563487.7	4234184	7.44E-04	6.64E-04	1.26E-04	1.06E-04	6.01E-04	4.87E-04	9.84E-05	9.44E-05	7.35E-05	4.82E-05
1690	563503.1	4234189	7.07E-04	6.31E-04	1.20E-04	1.01E-04	5.71E-04	4.63E-04	9.35E-05	8.97E-05	6.98E-05	4.58E-05
1691	563276.2	4234068	1.25E-03	1.12E-03	2.13E-04	1.79E-04	1.01E-03	8.21E-04	1.66E-04	1.59E-04	1.24E-04	8.13E-05
1692	563291.3	4234074	1.23E-03	1.10E-03	2.10E-04	1.77E-04	9.97E-04	8.08E-04	1.63E-04	1.57E-04	1.22E-04	8.00E-05
1693	563306.4	4234079	1.21E-03	1.08E-03	2.06E-04	1.73E-04	9.79E-04	7.94E-04	1.60E-04	1.54E-04	1.20E-04	7.86E-05
1694	563321.5	4234084	1.20E-03	1.07E-03	2.03E-04	1.71E-04	9.67E-04	7.84E-04	1.58E-04	1.52E-04	1.18E-04	7.76E-05
1695	563336.6	4234090	1.18E-03	1.05E-03	1.99E-04	1.68E-04	9.49E-04	7.69E-04	1.55E-04	1.49E-04	1.16E-04	7.62E-05
1696	563351.7	4234095	1.14E-03	1.01E-03	1.93E-04	1.62E-04	9.17E-04	7.43E-04	1.50E-04	1.44E-04	1.12E-04	7.36E-05
1697	563366.9	4234100	1.10E-03	9.78E-04	1.86E-04	1.57E-04	8.85E-04	7.18E-04	1.45E-04	1.39E-04	1.08E-04	7.11E-05
1698	563382	4234105	1.05E-03	9.38E-04	1.78E-04	1.50E-04	8.49E-04	6.88E-04	1.39E-04	1.33E-04	1.04E-04	6.82E-05
1699	563397.1	4234111	1.00E-03	8.94E-04	1.70E-04	1.43E-04	8.09E-04	6.56E-04	1.33E-04	1.27E-04	9.90E-05	6.50E-05
1700	563412.2	4234116	9.56E-04	8.53E-04	1.62E-04	1.37E-04	7.72E-04	6.26E-04	1.26E-04	1.21E-04	9.44E-05	6.20E-05
1701	563472.6	4234137	7.80E-04	6.96E-04	1.32E-04	1.12E-04	6.30E-04	5.11E-04	1.03E-04	9.90E-05	7.71E-05	5.06E-05
1702	563487.8	4234143	7.46E-04	6.65E-04	1.27E-04	1.07E-04	6.02E-04	4.88E-04	9.86E-05	9.46E-05	7.36E-05	4.83E-05
1703	563502.9	4234148	7.10E-04	6.33E-04	1.20E-04	1.02E-04	5.73E-04	4.64E-04	9.39E-05	9.01E-05	7.01E-05	4.60E-05
1704	563518	4234153	6.74E-04	6.01E-04	1.14E-04	9.64E-05	5.44E-04	4.41E-04	8.91E-05	8.55E-05	6.66E-05	4.37E-05
1705	563260.5	4234065	1.28E-03	1.14E-03	2.17E-04	1.83E-04	1.03E-03	8.36E-04	1.69E-04	1.62E-04	1.26E-04	8.28E-05
1706	563279.7	4234029	1.16E-03	1.03E-03	1.96E-04	1.65E-04	9.34E-04	7.57E-04	1.53E-04	1.47E-04	1.14E-04	7.49E-05
1707	563295	4234034	1.14E-03	1.02E-03	1.94E-04	1.63E-04	9.21E-04	7.46E-04	1.51E-04	1.45E-04	1.13E-04	7.39E-05
1708	563310.3	4234039	1.13E-03	1.00E-03	1.91E-04	1.61E-04	9.09E-04	7.37E-04	1.49E-04	1.43E-04	1.11E-04	7.29E-05
1709	563325.6	4234045	1.12E-03	9.95E-04	1.89E-04	1.59E-04	9.00E-04	7.30E-04	1.47E-04	1.41E-04	1.10E-04	7.23E-05
1710	563340.9	4234050	1.09E-03	9.75E-04	1.86E-04	1.56E-04	8.83E-04	7.16E-04	1.45E-04	1.39E-04	1.08E-04	7.09E-05
1711	563356.2	4234055	1.06E-03	9.46E-04	1.80E-04	1.52E-04	8.56E-04	6.94E-04	1.40E-04	1.35E-04	1.05E-04	6.87E-05
1712	563371.5	4234061	1.02E-03	9.13E-04	1.74E-04	1.46E-04	8.26E-04	6.70E-04	1.35E-04	1.30E-04	1.01E-04	6.63E-05
1713	563386.8	4234066	9.85E-04	8.78E-04	1.67E-04	1.41E-04	7.95E-04	6.44E-04	1.30E-04	1.25E-04	9.72E-05	6.38E-05
1714	563402.2	4234071	9.45E-04	8.43E-04	1.60E-04	1.35E-04	7.63E-04	6.18E-04	1.25E-04	1.20E-04	9.33E-05	6.12E-05
1715	563417.5	4234077	9.04E-04	8.07E-04	1.53E-04	1.29E-04	7.30E-04	5.92E-04	1.20E-04	1.15E-04	8.93E-05	5.86E-05
1716	563463.4	4234093	7.84E-04	6.99E-04	1.33E-04	1.12E-04	6.33E-04	5.13E-04	1.04E-04	9.95E-05	7.74E-05	5.08E-05
1717	563478.7	4234098	7.44E-04	6.64E-04	1.26E-04	1.06E-04	6.01E-04	4.87E-04	9.84E-05	9.45E-05	7.35E-05	4.82E-05
1718	563494	4234104	7.13E-04	6.36E-04	1.21E-04	1.02E-04	5.75E-04	4.66E-04	9.42E-05	9.04E-05	7.04E-05	4.62E-05
1719	563509.3	4234109	6.85E-04	6.11E-04	1.16E-04	9.80E-05	5.53E-04	4.48E-04	9.06E-05	8.69E-05	6.76E-05	4.44E-05
1720	563524.6	4234114	6.58E-04	5.87E-04	1.12E-04	9.42E-05	5.32E-04	4.31E-04	8.71E-05	8.36E-05	6.50E-05	4.27E-05
1721	563539.9	4234120	6.34E-04	5.65E-04	1.08E-04	9.06E-05	5.12E-04	4.15E-04	8.38E-05	8.04E-05	6.26E-05	4.11E-05
1722	563264	4234025	1.17E-03	1.05E-03	1.99E-04	1.68E-04	9.47E-04	7.67E-04	1.55E-04	1.49E-04	1.16E-04	7.60E-05
1723	563283.1	4233989	1.07E-03	9.58E-04	1.82E-04	1.54E-04	8.68E-04	7.03E-04	1.42E-04	1.36E-04	1.06E-04	6.96E-05
1724	563298.2	4233994	1.08E-03	9.60E-04	1.83E-04	1.54E-04	8.68E-04	7.04E-04	1.42E-04	1.36E-04	1.06E-04	6.97E-05
1725	563313.3	4233999	1.07E-03	9.51E-04	1.81E-04	1.52E-04	8.60E-04	6.97E-04	1.41E-04	1.35E-04	1.05E-04	6.91E-05
1726	563328.4	4234005	1.05E-03	9.34E-04	1.78E-04	1.50E-04	8.45E-04	6.85E-04	1.38E-04	1.33E-04	1.03E-04	6.78E-05
1727	563343.5	4234010	1.02E-03	9.13E-04	1.74E-04	1.46E-04	8.26E-04	6.70E-04	1.35E-04	1.30E-04	1.01E-04	6.63E-05
1728	563358.6	4234015	9.96E-04	8.89E-04	1.69E-04	1.42E-04	8.04E-04	6.52E-04	1.32E-04	1.26E-04	9.84E-05	6.46E-05
1729	563373.7	4234020	9.70E-04	8.66E-04	1.65E-04	1.39E-04	7.83E-04	6.35E-04	1.28E-04	1.23E-04	9.58E-05	6.29E-05
1730	563388.8	4234026	9.40E-04	8.39E-04	1.60E-04	1.34E-04	7.59E-04	6.15E-04	1.24E-04	1.19E-04	9.29E-05	6.09E-05
1731	563403.9	4234031	9.10E-04	8.12E-04	1.54E-04	1.30E-04	7.35E-04	5.96E-04	1.20E-04	1.16E-04	8.99E-05	5.90E-05
1732	563419	4234036	8.85E-04	7.90E-04	1.50E-04	1.27E-04	7.15E-04	5.79E-04	1.17E-04	1.12E-04	8.74E-05	5.74E-05
1733	563464.3	4234052	7.71E-04	6.88E-04	1.31E-04	1.10E-04	6.23E-04	5.05E-04	1.02E-04	9.78E-05	7.61E-05	5.00E-05
1734	563479.4	4234058	7.32E-04	6.53E-04	1.24E-04	1.05E-04	5.91E-04	4.79E-04	9.69E-05	9.29E-05	7.23E-05	4.75E-05
1735	563494.5	4234063	7.01E-04	6.25E-04	1.19E-04	1.00E-04	5.66E-04	4.59E-04	9.27E-05	8.89E-05	6.92E-05	4.54E-05
1736	563509.6	4234068	6.75E-04	6.02E-04	1.15E-04	9.66E-05	5.45E-04	4.42E-04	8.93E-05	8.57E-05	6.67E-05	4.38E-05
1737	563524.7	4234073	6.52E-04	5.82E-04	1.11E-04	9.32E-05	5.26E-04	4.27E-04	8.62E-05	8.27E-05	6.44E-05	4.23E-05
1738	563539.8	4234079	6.30E-04	5.62E-04	1.07E-04	9.01E-05	5.09E-04	4.12E-04	8.33E-05	7.99E-05	6.22E-05	4.08E-05

1739	563554.9	4234084	6.06E-04	5.40E-04	1.03E-04	8.66E-05	4.89E-04	3.96E-04	8.01E-05	7.69E-05	5.98E-05	3.93E-05
1740	563570	4234089	5.85E-04	5.22E-04	9.93E-05	8.37E-05	4.73E-04	3.83E-04	7.74E-05	7.43E-05	5.78E-05	3.79E-05
1741	563267.4	4233985	1.08E-03	9.64E-04	1.83E-04	1.55E-04	8.73E-04	7.07E-04	1.43E-04	1.37E-04	1.07E-04	7.01E-05
1742	563286.6	4233949	1.01E-03	9.01E-04	1.71E-04	1.44E-04	8.15E-04	6.61E-04	1.34E-04	1.28E-04	9.97E-05	6.54E-05
1743	563301.9	4233954	1.00E-03	8.94E-04	1.70E-04	1.43E-04	8.10E-04	6.56E-04	1.33E-04	1.27E-04	9.90E-05	6.50E-05
1744	563317.1	4233960	9.92E-04	8.85E-04	1.68E-04	1.42E-04	8.01E-04	6.49E-04	1.31E-04	1.26E-04	9.79E-05	6.43E-05
1745	563332.4	4233965	9.76E-04	8.71E-04	1.66E-04	1.40E-04	7.88E-04	6.39E-04	1.29E-04	1.24E-04	9.64E-05	6.33E-05
1746	563347.7	4233970	9.57E-04	8.54E-04	1.62E-04	1.37E-04	7.73E-04	6.26E-04	1.27E-04	1.21E-04	9.45E-05	6.20E-05
1747	563362.9	4233976	9.34E-04	8.33E-04	1.58E-04	1.34E-04	7.54E-04	6.11E-04	1.24E-04	1.19E-04	9.22E-05	6.05E-05
1748	563378.2	4233981	9.10E-04	8.11E-04	1.54E-04	1.30E-04	7.34E-04	5.95E-04	1.20E-04	1.15E-04	8.98E-05	5.89E-05
1749	563393.5	4233986	8.87E-04	7.91E-04	1.50E-04	1.27E-04	7.16E-04	5.80E-04	1.17E-04	1.13E-04	8.76E-05	5.75E-05
1750	563408.7	4233992	8.67E-04	7.73E-04	1.47E-04	1.24E-04	7.00E-04	5.67E-04	1.15E-04	1.10E-04	8.56E-05	5.62E-05
1751	563469.8	4234013	7.48E-04	6.67E-04	1.27E-04	1.07E-04	6.04E-04	4.89E-04	9.89E-05	9.49E-05	7.39E-05	4.85E-05
1752	563485.1	4234018	7.17E-04	6.39E-04	1.22E-04	1.02E-04	5.79E-04	4.69E-04	9.48E-05	9.09E-05	7.08E-05	4.64E-05
1753	563500.4	4234024	6.85E-04	6.11E-04	1.16E-04	9.80E-05	5.53E-04	4.49E-04	9.06E-05	8.70E-05	6.77E-05	4.44E-05
1754	563515.6	4234029	6.55E-04	5.84E-04	1.11E-04	9.37E-05	5.29E-04	4.29E-04	8.66E-05	8.31E-05	6.47E-05	4.24E-05
1755	563530.9	4234035	6.34E-04	5.65E-04	1.08E-04	9.07E-05	5.12E-04	4.15E-04	8.38E-05	8.04E-05	6.26E-05	4.11E-05
1756	563546.2	4234040	6.13E-04	5.47E-04	1.04E-04	8.77E-05	4.95E-04	4.01E-04	8.11E-05	7.78E-05	6.05E-05	3.97E-05
1757	563561.4	4234045	5.83E-04	5.20E-04	9.89E-05	8.34E-05	4.71E-04	3.82E-04	7.71E-05	7.40E-05	5.76E-05	3.78E-05
1758	563576.7	4234051	5.56E-04	4.96E-04	9.44E-05	7.96E-05	4.49E-04	3.64E-04	7.36E-05	7.06E-05	5.49E-05	3.61E-05
1759	563592	4234056	5.40E-04	4.81E-04	9.16E-05	7.72E-05	4.36E-04	3.53E-04	7.14E-05	6.85E-05	5.33E-05	3.50E-05
1760	563270.8	4233945	1.02E-03	9.08E-04	1.73E-04	1.46E-04	8.22E-04	6.66E-04	1.35E-04	1.29E-04	1.01E-04	6.60E-05
1761	563254.6	4233944	1.02E-03	9.11E-04	1.73E-04	1.46E-04	8.24E-04	6.68E-04	1.35E-04	1.30E-04	1.01E-04	6.62E-05
1762	563139.7	4234607	2.89E-02	2.58E-02	4.90E-03	4.13E-03	2.33E-02	1.89E-02	3.82E-03	3.67E-03	2.85E-03	1.87E-03
1763	563130.2	4234606	2.93E-02	2.62E-02	4.98E-03	4.20E-03	2.37E-02	1.92E-02	3.88E-03	3.72E-03	2.90E-03	1.90E-03
1764	563120.7	4234605	2.92E-02	2.61E-02	4.96E-03	4.18E-03	2.36E-02	1.91E-02	3.87E-03	3.71E-03	2.89E-03	1.90E-03
1765	563111.2	4234605	2.86E-02	2.55E-02	4.85E-03	4.09E-03	2.31E-02	1.87E-02	3.78E-03	3.63E-03	2.82E-03	1.85E-03
1766	563101.6	4234604	2.74E-02	2.45E-02	4.66E-03	3.92E-03	2.22E-02	1.80E-02	3.63E-03	3.48E-03	2.71E-03	1.78E-03
1767	563092.1	4234603	2.59E-02	2.31E-02	4.39E-03	3.70E-03	2.09E-02	1.69E-02	3.42E-03	3.28E-03	2.56E-03	1.68E-03
1768	563188.2	4234601	1.82E-02	1.62E-02	3.09E-03	2.60E-03	1.47E-02	1.19E-02	2.41E-03	2.31E-03	1.80E-03	1.18E-03
1769	563178.6	4234600	2.03E-02	1.81E-02	3.45E-03	2.90E-03	1.64E-02	1.33E-02	2.69E-03	2.58E-03	2.01E-03	1.32E-03
1770	563169.1	4234599	2.22E-02	1.98E-02	3.76E-03	3.17E-03	1.79E-02	1.45E-02	2.93E-03	2.82E-03	2.19E-03	1.44E-03
1771	563159.6	4234598	2.38E-02	2.12E-02	4.03E-03	3.40E-03	1.92E-02	1.56E-02	3.14E-03	3.02E-03	2.35E-03	1.54E-03
1772	563150.1	4234598	2.50E-02	2.23E-02	4.25E-03	3.58E-03	2.02E-02	1.64E-02	3.31E-03	3.18E-03	2.47E-03	1.62E-03
1773	563140.6	4234597	2.60E-02	2.32E-02	4.40E-03	3.71E-03	2.10E-02	1.70E-02	3.43E-03	3.29E-03	2.56E-03	1.68E-03
1774	563131	4234596	2.65E-02	2.36E-02	4.49E-03	3.79E-03	2.14E-02	1.73E-02	3.50E-03	3.36E-03	2.62E-03	1.72E-03
1775	563121.5	4234595	2.66E-02	2.37E-02	4.51E-03	3.80E-03	2.15E-02	1.74E-02	3.52E-03	3.37E-03	2.63E-03	1.72E-03
1776	563112	4234595	2.62E-02	2.34E-02	4.45E-03	3.75E-03	2.12E-02	1.72E-02	3.47E-03	3.33E-03	2.59E-03	1.70E-03
1777	563102.5	4234594	2.55E-02	2.27E-02	4.32E-03	3.64E-03	2.06E-02	1.67E-02	3.37E-03	3.23E-03	2.52E-03	1.65E-03
1778	563092.9	4234593	2.43E-02	2.17E-02	4.13E-03	3.48E-03	1.97E-02	1.59E-02	3.22E-03	3.09E-03	2.40E-03	1.58E-03
1779	563189	4234591	1.61E-02	1.44E-02	2.73E-03	2.31E-03	1.30E-02	1.05E-02	2.13E-03	2.05E-03	1.59E-03	1.04E-03
1780	563179.5	4234590	1.80E-02	1.61E-02	3.06E-03	2.58E-03	1.45E-02	1.18E-02	2.38E-03	2.29E-03	1.78E-03	1.17E-03
1781	563169.9	4234589	1.97E-02	1.76E-02	3.35E-03	2.82E-03	1.59E-02	1.29E-02	2.61E-03	2.51E-03	1.95E-03	1.28E-03
1782	563160.4	4234589	2.13E-02	1.90E-02	3.61E-03	3.04E-03	1.72E-02	1.39E-02	2.81E-03	2.70E-03	2.10E-03	1.38E-03
1783	563150.9	4234588	2.25E-02	2.01E-02	3.82E-03	3.22E-03	1.82E-02	1.47E-02	2.97E-03	2.85E-03	2.22E-03	1.46E-03
1784	563141.4	4234587	2.34E-02	2.09E-02	3.97E-03	3.35E-03	1.89E-02	1.53E-02	3.10E-03	2.97E-03	2.31E-03	1.52E-03
1785	563131.9	4234586	2.40E-02	2.14E-02	4.07E-03	3.43E-03	1.94E-02	1.57E-02	3.18E-03	3.05E-03	2.37E-03	1.56E-03
1786	563122.3	4234585	2.43E-02	2.16E-02	4.12E-03	3.47E-03	1.96E-02	1.59E-02	3.21E-03	3.08E-03	2.40E-03	1.57E-03
1787	563112.8	4234585	2.41E-02	2.15E-02	4.10E-03	3.45E-03	1.95E-02	1.58E-02	3.19E-03	3.06E-03	2.38E-03	1.56E-03
1788	563103.3	4234584	2.37E-02	2.11E-02	4.02E-03	3.39E-03	1.91E-02	1.55E-02	3.13E-03	3.00E-03	2.34E-03	1.53E-03
1789	563093.8	4234583	2.29E-02	2.04E-02	3.88E-03	3.27E-03	1.85E-02	1.50E-02	3.03E-03	2.90E-03	2.26E-03	1.48E-03
1790	563189.8	4234581	1.44E-02	1.29E-02	2.44E-03	2.06E-03	1.16E-02	9.43E-03	1.90E-03	1.83E-03	1.42E-03	9.34E-04
1791	563180.3	4234580	1.61E-02	1.43E-02	2.73E-03	2.30E-03	1.30E-02	1.05E-02	2.13E-03	2.04E-03	1.59E-03	1.04E-03
1792	563170.8	4234579	1.77E-02	1.58E-02	3.00E-03	2.53E-03	1.43E-02	1.16E-02	2.34E-03	2.24E-03	1.74E-03	1.14E-03
1793	563161.2	4234579	1.91E-02	1.70E-02	3.24E-03	2.73E-03	1.54E-02	1.25E-02	2.52E-03	2.42E-03	1.88E-03	1.24E-03
1794	563151.7	4234578	2.03E-02	1.81E-02	3.44E-03	2.90E-03	1.64E-02	1.33E-02	2.68E-03	2.57E-03	2.00E-03	1.31E-03
1795	563142.2	4234577	2.12E-02	1.89E-02	3.60E-03	3.03E-03	1.71E-02	1.39E-02	2.80E-03	2.69E-03	2.09E-03	1.37E-03
1796	563132.7	4234576	2.18E-02	1.95E-02	3.71E-03	3.12E-03	1.76E-02	1.43E-02	2.89E-03	2.77E-03	2.16E-03	1.42E-03
1797	563123.1	4234575	2.22E-02	1.98E-02	3.76E-03	3.17E-03	1.79E-02	1.45E-02	2.93E-03	2.81E-03	2.19E-03	1.44E-03
1798	563113.6	4234575	2.22E-02	1.98E-02	3.77E-03	3.18E-03	1.79E-02	1.45E-02	2.94E-03	2.82E-03	2.20E-03	1.44E-03
1799	563104.1	4234574	2.20E-02	1.96E-02	3.73E-03	3.14E-03	1.78E-02	1.44E-02	2.91E-03	2.79E-03	2.17E-03	1.43E-03
1800	563094.6	4234573	2.15E-02	1.92E-02	3.64E-03	3.07E-03	1.73E-02	1.41E-02	2.84E-03	2.73E-03	2.12E-03	1.39E-03
1801	563190.6	4234571	1.30E-02	1.16E-02	2.20E-03	1.86E-03	1.05E-02	8.49E-03	1.72E-03	1.65E-03	1.28E-03	8.41E-04
1802	563181.1	4234570	1.44E-02	1.29E-02	2.45E-03	2.07E-03	1.17E-02	9.45E-03	1.91E-03	1.83E-03	1.43E-03	9.36E-04
1803	563171.6	4234569	1.58E-02	1.41E-02	2.69E-03	2.26E-03	1.28E-02	1.04E-02	2.09E-03	2.01E-03	1.56E-03	1.03E-03
1804	563162.1	4234569	1.71E-02	1.52E-02	2.90E-03	2.44E-03	1.38E-02	1.12E-02	2.26E-03	2.17E-03	1.69E-03	1.11E-03
1805	563152.5	4234568	1.81E-02	1.62E-02	3.08E-03	2.59E-03	1.46E-02	1.19E-02	2.40E-03	2.30E-03	1.79E-03	1.18E-03

1806	563143	4234567	1.90E-02	1.70E-02	3.23E-03	2.72E-03	1.54E-02	1.24E-02	2.52E-03	2.41E-03	1.88E-03	1.23E-03
1807	563133.5	4234566	1.97E-02	1.76E-02	3.34E-03	2.82E-03	1.59E-02	1.29E-02	2.60E-03	2.50E-03	1.94E-03	1.28E-03
1808	563124	4234565	2.01E-02	1.79E-02	3.41E-03	2.87E-03	1.62E-02	1.32E-02	2.66E-03	2.55E-03	1.98E-03	1.30E-03
1809	563114.4	4234565	2.03E-02	1.81E-02	3.45E-03	2.91E-03	1.64E-02	1.33E-02	2.69E-03	2.58E-03	2.01E-03	1.32E-03
1810	563104.9	4234564	2.04E-02	1.82E-02	3.46E-03	2.91E-03	1.64E-02	1.33E-02	2.69E-03	2.58E-03	2.01E-03	1.32E-03
1811	563095.4	4234563	2.01E-02	1.80E-02	3.42E-03	2.88E-03	1.63E-02	1.32E-02	2.66E-03	2.55E-03	1.99E-03	1.30E-03
1812	563191.4	4234561	1.18E-02	1.05E-02	2.00E-03	1.68E-03	9.51E-03	7.71E-03	1.56E-03	1.49E-03	1.16E-03	7.63E-04
1813	563181.9	4234560	1.31E-02	1.16E-02	2.22E-03	1.87E-03	1.05E-02	8.54E-03	1.73E-03	1.66E-03	1.29E-03	8.46E-04
1814	563172.4	4234559	1.42E-02	1.27E-02	2.42E-03	2.04E-03	1.15E-02	9.32E-03	1.88E-03	1.81E-03	1.41E-03	9.23E-04
1815	563162.9	4234559	1.53E-02	1.37E-02	2.60E-03	2.19E-03	1.24E-02	1.00E-02	2.03E-03	1.94E-03	1.51E-03	9.93E-04
1816	563153.4	4234558	1.63E-02	1.45E-02	2.76E-03	2.32E-03	1.31E-02	1.06E-02	2.15E-03	2.06E-03	1.61E-03	1.05E-03
1817	563143.8	4234557	1.71E-02	1.53E-02	2.90E-03	2.45E-03	1.38E-02	1.12E-02	2.26E-03	2.17E-03	1.69E-03	1.11E-03
1818	563134.3	4234556	1.78E-02	1.59E-02	3.02E-03	2.54E-03	1.44E-02	1.16E-02	2.35E-03	2.26E-03	1.76E-03	1.15E-03
1819	563124.8	4234555	1.83E-02	1.63E-02	3.10E-03	2.61E-03	1.47E-02	1.19E-02	2.41E-03	2.32E-03	1.80E-03	1.18E-03
1820	563115.3	4234555	1.86E-02	1.66E-02	3.16E-03	2.67E-03	1.50E-02	1.22E-02	2.46E-03	2.37E-03	1.84E-03	1.21E-03
1821	563105.7	4234554	1.88E-02	1.68E-02	3.20E-03	2.70E-03	1.52E-02	1.23E-02	2.49E-03	2.39E-03	1.86E-03	1.22E-03
1822	563096.2	4234553	1.89E-02	1.68E-02	3.20E-03	2.70E-03	1.52E-02	1.23E-02	2.49E-03	2.39E-03	1.86E-03	1.22E-03
1823	563192.3	4234551	1.08E-02	9.59E-03	1.82E-03	1.54E-03	8.68E-03	7.04E-03	1.42E-03	1.36E-03	1.06E-03	6.97E-04
1824	563182.7	4234550	1.19E-02	1.06E-02	2.01E-03	1.70E-03	9.59E-03	7.77E-03	1.57E-03	1.51E-03	1.17E-03	7.70E-04
1825	563173.2	4234549	1.29E-02	1.15E-02	2.19E-03	1.84E-03	1.04E-02	8.43E-03	1.70E-03	1.63E-03	1.27E-03	8.35E-04
1826	563163.7	4234549	1.38E-02	1.23E-02	2.34E-03	1.98E-03	1.12E-02	9.04E-03	1.83E-03	1.75E-03	1.36E-03	8.95E-04
1827	563154.2	4234548	1.46E-02	1.31E-02	2.48E-03	2.09E-03	1.18E-02	9.58E-03	1.94E-03	1.86E-03	1.45E-03	9.49E-04
1828	563144.7	4234547	1.54E-02	1.38E-02	2.62E-03	2.21E-03	1.25E-02	1.01E-02	2.04E-03	1.96E-03	1.53E-03	1.00E-03
1829	563135.1	4234546	1.61E-02	1.44E-02	2.73E-03	2.30E-03	1.30E-02	1.05E-02	2.13E-03	2.04E-03	1.59E-03	1.04E-03
1830	563125.6	4234546	1.66E-02	1.48E-02	2.82E-03	2.38E-03	1.34E-02	1.09E-02	2.20E-03	2.11E-03	1.64E-03	1.08E-03
1831	563116.1	4234545	1.71E-02	1.53E-02	2.90E-03	2.45E-03	1.38E-02	1.12E-02	2.26E-03	2.17E-03	1.69E-03	1.11E-03
1832	563106.6	4234544	1.75E-02	1.56E-02	2.96E-03	2.50E-03	1.41E-02	1.14E-02	2.31E-03	2.22E-03	1.73E-03	1.13E-03
1833	563097	4234543	1.77E-02	1.57E-02	3.00E-03	2.52E-03	1.43E-02	1.16E-02	2.33E-03	2.24E-03	1.74E-03	1.14E-03
1834	563193.1	4234541	9.84E-03	8.77E-03	1.67E-03	1.41E-03	7.94E-03	6.44E-03	1.30E-03	1.25E-03	9.71E-04	6.37E-04
1835	563183.6	4234540	1.08E-02	9.63E-03	1.83E-03	1.54E-03	8.71E-03	7.06E-03	1.43E-03	1.37E-03	1.07E-03	6.99E-04
1836	563174	4234539	1.17E-02	1.04E-02	1.98E-03	1.67E-03	9.43E-03	7.65E-03	1.55E-03	1.48E-03	1.15E-03	7.57E-04
1837	563164.5	4234539	1.25E-02	1.12E-02	2.13E-03	1.79E-03	1.01E-02	8.21E-03	1.66E-03	1.59E-03	1.24E-03	8.13E-04
1838	563155	4234538	1.33E-02	1.19E-02	2.26E-03	1.91E-03	1.08E-02	8.73E-03	1.76E-03	1.69E-03	1.32E-03	8.64E-04
1839	563145.5	4234537	1.41E-02	1.26E-02	2.39E-03	2.02E-03	1.14E-02	9.23E-03	1.87E-03	1.79E-03	1.39E-03	9.14E-04
1840	563136	4234536	1.48E-02	1.32E-02	2.51E-03	2.11E-03	1.19E-02	9.67E-03	1.95E-03	1.88E-03	1.46E-03	9.58E-04
1841	563126.4	4234536	1.53E-02	1.37E-02	2.60E-03	2.19E-03	1.24E-02	1.00E-02	2.03E-03	1.94E-03	1.51E-03	9.93E-04
1842	563116.9	4234535	1.58E-02	1.41E-02	2.69E-03	2.26E-03	1.28E-02	1.04E-02	2.09E-03	2.01E-03	1.56E-03	1.03E-03
1843	563107.4	4234534	1.63E-02	1.45E-02	2.76E-03	2.32E-03	1.31E-02	1.06E-02	2.15E-03	2.06E-03	1.61E-03	1.05E-03
1844	563097.9	4234533	1.65E-02	1.47E-02	2.80E-03	2.36E-03	1.33E-02	1.08E-02	2.19E-03	2.10E-03	1.63E-03	1.07E-03
1845	563194.7	4234521	8.30E-03	7.40E-03	1.41E-03	1.19E-03	6.70E-03	5.43E-03	1.10E-03	1.05E-03	8.20E-04	5.38E-04
1846	563185.2	4234520	8.97E-03	8.00E-03	1.52E-03	1.28E-03	7.24E-03	5.87E-03	1.19E-03	1.14E-03	8.86E-04	5.81E-04
1847	563175.7	4234520	9.71E-03	8.66E-03	1.65E-03	1.39E-03	7.84E-03	6.35E-03	1.28E-03	1.23E-03	9.59E-04	6.29E-04
1848	563166.2	4234519	1.05E-02	9.33E-03	1.77E-03	1.50E-03	8.44E-03	6.84E-03	1.38E-03	1.33E-03	1.03E-03	6.78E-04
1849	563156.6	4234518	1.12E-02	9.98E-03	1.90E-03	1.60E-03	9.04E-03	7.32E-03	1.48E-03	1.42E-03	1.11E-03	7.25E-04
1850	563147.1	4234517	1.19E-02	1.06E-02	2.02E-03	1.70E-03	9.59E-03	7.78E-03	1.57E-03	1.51E-03	1.17E-03	7.70E-04
1851	563137.6	4234516	1.25E-02	1.12E-02	2.12E-03	1.79E-03	1.01E-02	8.19E-03	1.66E-03	1.59E-03	1.24E-03	8.11E-04
1852	563128.1	4234516	1.31E-02	1.16E-02	2.22E-03	1.87E-03	1.05E-02	8.55E-03	1.73E-03	1.66E-03	1.29E-03	8.46E-04
1853	563118.6	4234515	1.36E-02	1.21E-02	2.30E-03	1.94E-03	1.10E-02	8.88E-03	1.80E-03	1.72E-03	1.34E-03	8.80E-04
1854	563109	4234514	1.41E-02	1.26E-02	2.39E-03	2.01E-03	1.14E-02	9.21E-03	1.86E-03	1.79E-03	1.39E-03	9.12E-04
1855	563099.5	4234513	1.45E-02	1.29E-02	2.45E-03	2.07E-03	1.17E-02	9.47E-03	1.91E-03	1.84E-03	1.43E-03	9.38E-04
1856	563196.4	4234501	7.15E-03	6.38E-03	1.21E-03	1.02E-03	5.77E-03	4.68E-03	9.46E-04	9.07E-04	7.06E-04	4.63E-04
1857	563186.8	4234500	7.69E-03	6.86E-03	1.31E-03	1.10E-03	6.21E-03	5.04E-03	1.02E-03	9.76E-04	7.60E-04	4.99E-04
1858	563177.3	4234500	8.28E-03	7.39E-03	1.41E-03	1.18E-03	6.69E-03	5.42E-03	1.10E-03	1.05E-03	8.18E-04	5.37E-04
1859	563167.8	4234499	8.90E-03	7.94E-03	1.51E-03	1.27E-03	7.18E-03	5.82E-03	1.18E-03	1.13E-03	8.79E-04	5.77E-04
1860	563158.3	4234498	9.51E-03	8.49E-03	1.61E-03	1.36E-03	7.68E-03	6.23E-03	1.26E-03	1.21E-03	9.40E-04	6.17E-04
1861	563148.8	4234497	1.01E-02	9.00E-03	1.71E-03	1.44E-03	8.14E-03	6.60E-03	1.33E-03	1.28E-03	9.96E-04	6.54E-04
1862	563139.2	4234496	1.06E-02	9.44E-03	1.80E-03	1.51E-03	8.55E-03	6.93E-03	1.40E-03	1.34E-03	1.05E-03	6.86E-04
1863	563129.7	4234496	1.10E-02	9.84E-03	1.87E-03	1.58E-03	8.91E-03	7.22E-03	1.46E-03	1.40E-03	1.09E-03	7.15E-04
1864	563120.2	4234495	1.15E-02	1.03E-02	1.95E-03	1.64E-03	9.28E-03	7.52E-03	1.52E-03	1.46E-03	1.14E-03	7.45E-04
1865	563110.7	4234494	1.21E-02	1.08E-02	2.05E-03	1.73E-03	9.75E-03	7.90E-03	1.60E-03	1.53E-03	1.19E-03	7.82E-04
1866	563101.1	4234493	1.26E-02	1.12E-02	2.14E-03	1.80E-03	1.02E-02	8.24E-03	1.67E-03	1.60E-03	1.24E-03	8.16E-04
1867	563198	4234481	6.23E-03	5.56E-03	1.06E-03	8.91E-04	5.03E-03	4.08E-03	8.24E-04	7.91E-04	6.16E-04	4.04E-04
1868	563188.5	4234480	6.67E-03	5.95E-03	1.13E-03	9.54E-04	5.39E-03	4.37E-03	8.82E-04	8.47E-04	6.59E-04	4.32E-04
1869	563179	4234480	7.14E-03	6.37E-03	1.21E-03	1.02E-03	5.76E-03	4.67E-03	9.44E-04	9.06E-04	7.05E-04	4.63E-04
1870	563169.4	4234479	7.62E-03	6.80E-03	1.29E-03	1.09E-03	6.16E-03	4.99E-03	1.01E-03	9.67E-04	7.53E-04	4.94E-04
1871	563159.9	4234478	8.12E-03	7.25E-03	1.38E-03	1.16E-03	6.56E-03	5.32E-03	1.07E-03	1.03E-03	8.02E-04	5.27E-04
1872	563150.4	4234477	8.61E-03	7.68E-03	1.46E-03	1.23E-03	6.95E-03	5.63E-03	1.14E-03	1.09E-03	8.50E-04	5.58E-04

1873	563140.9	4234477	9.04E-03	8.07E-03	1.53E-03	1.29E-03	7.30E-03	5.92E-03	1.20E-03	1.15E-03	8.93E-04	5.86E-04
1874	563131.4	4234476	9.46E-03	8.44E-03	1.60E-03	1.35E-03	7.64E-03	6.19E-03	1.25E-03	1.20E-03	9.34E-04	6.13E-04
1875	563121.8	4234475	9.87E-03	8.81E-03	1.68E-03	1.41E-03	7.97E-03	6.46E-03	1.31E-03	1.25E-03	9.75E-04	6.40E-04
1876	563112.3	4234474	1.04E-02	9.28E-03	1.77E-03	1.49E-03	8.40E-03	6.81E-03	1.38E-03	1.32E-03	1.03E-03	6.75E-04
1877	563102.8	4234473	1.09E-02	9.72E-03	1.85E-03	1.56E-03	8.80E-03	7.13E-03	1.44E-03	1.38E-03	1.08E-03	7.06E-04
1878	563199.6	4234461	5.49E-03	4.90E-03	9.32E-04	7.85E-04	4.43E-03	3.59E-03	7.26E-04	6.97E-04	5.42E-04	3.56E-04
1879	563190.1	4234461	5.81E-03	5.18E-03	9.86E-04	8.31E-04	4.69E-03	3.80E-03	7.68E-04	7.37E-04	5.74E-04	3.77E-04
1880	563180.6	4234460	6.16E-03	5.49E-03	1.04E-03	8.80E-04	4.97E-03	4.03E-03	8.14E-04	7.81E-04	6.08E-04	3.99E-04
1881	563171.1	4234459	6.54E-03	5.84E-03	1.11E-03	9.36E-04	5.28E-03	4.28E-03	8.65E-04	8.30E-04	6.46E-04	4.24E-04
1882	563161.6	4234458	6.95E-03	6.20E-03	1.18E-03	9.93E-04	5.61E-03	4.55E-03	9.19E-04	8.81E-04	6.86E-04	4.50E-04
1883	563152	4234457	7.36E-03	6.57E-03	1.25E-03	1.05E-03	5.94E-03	4.82E-03	9.74E-04	9.34E-04	7.27E-04	4.77E-04
1884	563142.5	4234457	7.78E-03	6.94E-03	1.32E-03	1.11E-03	6.28E-03	5.09E-03	1.03E-03	9.87E-04	7.68E-04	5.04E-04
1885	563133	4234456	8.19E-03	7.31E-03	1.39E-03	1.17E-03	6.62E-03	5.36E-03	1.08E-03	1.04E-03	8.09E-04	5.31E-04
1886	563123.5	4234455	8.60E-03	7.67E-03	1.46E-03	1.23E-03	6.94E-03	5.63E-03	1.14E-03	1.09E-03	8.49E-04	5.57E-04
1887	563114	4234454	9.05E-03	8.07E-03	1.54E-03	1.29E-03	7.31E-03	5.92E-03	1.20E-03	1.15E-03	8.94E-04	5.86E-04
1888	563104.4	4234453	9.47E-03	8.45E-03	1.61E-03	1.35E-03	7.65E-03	6.20E-03	1.25E-03	1.20E-03	9.36E-04	6.14E-04
1889	563201.3	4234441	4.88E-03	4.35E-03	8.28E-04	6.98E-04	3.94E-03	3.19E-03	6.46E-04	6.19E-04	4.82E-04	3.16E-04
1890	563191.8	4234441	5.15E-03	4.59E-03	8.74E-04	7.36E-04	4.16E-03	3.37E-03	6.81E-04	6.53E-04	5.08E-04	3.34E-04
1891	563182.2	4234440	5.44E-03	4.85E-03	9.22E-04	7.77E-04	4.39E-03	3.56E-03	7.19E-04	6.90E-04	5.37E-04	3.52E-04
1892	563172.7	4234439	5.76E-03	5.14E-03	9.77E-04	8.23E-04	4.65E-03	3.77E-03	7.61E-04	7.31E-04	5.69E-04	3.73E-04
1893	563163.2	4234438	6.10E-03	5.44E-03	1.03E-03	8.72E-04	4.92E-03	3.99E-03	8.06E-04	7.73E-04	6.02E-04	3.95E-04
1894	563153.7	4234437	6.45E-03	5.75E-03	1.09E-03	9.22E-04	5.21E-03	4.22E-03	8.53E-04	8.18E-04	6.37E-04	4.18E-04
1895	563144.2	4234437	6.81E-03	6.08E-03	1.16E-03	9.74E-04	5.50E-03	4.46E-03	9.01E-04	8.65E-04	6.73E-04	4.42E-04
1896	563134.6	4234436	7.18E-03	6.41E-03	1.22E-03	1.03E-03	5.80E-03	4.70E-03	9.50E-04	9.11E-04	7.09E-04	4.65E-04
1897	563125.1	4234435	7.55E-03	6.73E-03	1.28E-03	1.08E-03	6.09E-03	4.94E-03	9.98E-04	9.58E-04	7.45E-04	4.89E-04
1898	563115.6	4234434	7.96E-03	7.10E-03	1.35E-03	1.14E-03	6.42E-03	5.21E-03	1.05E-03	1.01E-03	7.86E-04	5.16E-04
1899	563106.1	4234434	8.36E-03	7.46E-03	1.42E-03	1.20E-03	6.75E-03	5.47E-03	1.11E-03	1.06E-03	8.26E-04	5.42E-04
1900	563202.9	4234421	4.37E-03	3.90E-03	7.42E-04	6.25E-04	3.53E-03	2.86E-03	5.78E-04	5.55E-04	4.32E-04	2.83E-04
1901	563193.4	4234421	4.61E-03	4.11E-03	7.82E-04	6.59E-04	3.72E-03	3.02E-03	6.09E-04	5.85E-04	4.55E-04	2.99E-04
1902	563183.9	4234420	4.86E-03	4.33E-03	8.24E-04	6.95E-04	3.92E-03	3.18E-03	6.42E-04	6.16E-04	4.80E-04	3.15E-04
1903	563174.4	4234419	5.12E-03	4.57E-03	8.69E-04	7.33E-04	4.14E-03	3.35E-03	6.77E-04	6.50E-04	5.06E-04	3.32E-04
1904	563164.8	4234418	5.41E-03	4.82E-03	9.17E-04	7.73E-04	4.36E-03	3.54E-03	7.15E-04	6.86E-04	5.34E-04	3.50E-04
1905	563155.3	4234418	5.70E-03	5.09E-03	9.68E-04	8.16E-04	4.61E-03	3.73E-03	7.54E-04	7.24E-04	5.63E-04	3.70E-04
1906	563145.8	4234417	6.02E-03	5.37E-03	1.02E-03	8.61E-04	4.86E-03	3.94E-03	7.96E-04	7.64E-04	5.94E-04	3.90E-04
1907	563136.3	4234416	6.34E-03	5.66E-03	1.08E-03	9.07E-04	5.12E-03	4.15E-03	8.39E-04	8.05E-04	6.26E-04	4.11E-04
1908	563126.8	4234415	6.67E-03	5.95E-03	1.13E-03	9.54E-04	5.38E-03	4.36E-03	8.82E-04	8.46E-04	6.59E-04	4.32E-04
1909	563117.2	4234414	7.03E-03	6.27E-03	1.19E-03	1.01E-03	5.68E-03	4.60E-03	9.30E-04	8.92E-04	6.94E-04	4.56E-04
1910	563107.7	4234414	7.41E-03	6.61E-03	1.26E-03	1.06E-03	5.98E-03	4.85E-03	9.80E-04	9.40E-04	7.32E-04	4.80E-04
1911	563204.6	4234402	3.97E-03	3.54E-03	6.74E-04	5.68E-04	3.21E-03	2.60E-03	5.25E-04	5.04E-04	3.92E-04	2.57E-04
1912	563195	4234401	4.17E-03	3.72E-03	7.07E-04	5.96E-04	3.36E-03	2.73E-03	5.51E-04	5.29E-04	4.11E-04	2.70E-04
1913	563185.5	4234400	4.37E-03	3.90E-03	7.42E-04	6.25E-04	3.53E-03	2.86E-03	5.78E-04	5.55E-04	4.32E-04	2.83E-04
1914	563176	4234399	4.59E-03	4.10E-03	7.79E-04	6.57E-04	3.71E-03	3.01E-03	6.07E-04	5.83E-04	4.54E-04	2.98E-04
1915	563166.5	4234398	4.83E-03	4.31E-03	8.20E-04	6.91E-04	3.90E-03	3.16E-03	6.39E-04	6.13E-04	4.77E-04	3.13E-04
1916	563157	4234398	5.09E-03	4.54E-03	8.63E-04	7.27E-04	4.11E-03	3.33E-03	6.73E-04	6.45E-04	5.02E-04	3.30E-04
1917	563147.4	4234397	5.35E-03	4.78E-03	9.09E-04	7.66E-04	4.32E-03	3.50E-03	7.08E-04	6.79E-04	5.29E-04	3.47E-04
1918	563137.9	4234396	5.64E-03	5.03E-03	9.56E-04	8.06E-04	4.55E-03	3.69E-03	7.45E-04	7.15E-04	5.57E-04	3.65E-04
1919	563128.4	4234395	5.93E-03	5.29E-03	1.01E-03	8.48E-04	4.79E-03	3.88E-03	7.84E-04	7.52E-04	5.85E-04	3.84E-04
1920	563118.9	4234394	6.24E-03	5.57E-03	1.06E-03	8.93E-04	5.04E-03	4.09E-03	8.26E-04	7.92E-04	6.17E-04	4.05E-04
1921	563109.4	4234394	6.59E-03	5.88E-03	1.12E-03	9.43E-04	5.32E-03	4.31E-03	8.72E-04	8.36E-04	6.51E-04	4.27E-04
1922	563206.2	4234382	3.63E-03	3.24E-03	6.15E-04	5.19E-04	2.93E-03	2.37E-03	4.80E-04	4.60E-04	3.58E-04	2.35E-04
1923	563196.7	4234381	3.79E-03	3.38E-03	6.43E-04	5.42E-04	3.06E-03	2.48E-03	5.01E-04	4.81E-04	3.74E-04	2.46E-04
1924	563187.2	4234380	3.96E-03	3.53E-03	6.72E-04	5.67E-04	3.20E-03	2.59E-03	5.24E-04	5.03E-04	3.91E-04	2.57E-04
1925	563177.6	4234379	4.15E-03	3.70E-03	7.04E-04	5.93E-04	3.35E-03	2.71E-03	5.49E-04	5.26E-04	4.10E-04	2.69E-04
1926	563168.1	4234378	4.35E-03	3.88E-03	7.38E-04	6.22E-04	3.51E-03	2.85E-03	5.75E-04	5.52E-04	4.30E-04	2.82E-04
1927	563158.6	4234378	4.57E-03	4.07E-03	7.75E-04	6.53E-04	3.69E-03	2.99E-03	6.04E-04	5.79E-04	4.51E-04	2.96E-04
1928	563149.1	4234377	4.80E-03	4.28E-03	8.14E-04	6.86E-04	3.87E-03	3.14E-03	6.34E-04	6.09E-04	4.74E-04	3.11E-04
1929	563139.6	4234376	5.04E-03	4.50E-03	8.56E-04	7.21E-04	4.07E-03	3.30E-03	6.67E-04	6.40E-04	4.98E-04	3.27E-04
1930	563130	4234375	5.30E-03	4.73E-03	8.99E-04	7.58E-04	4.28E-03	3.47E-03	7.01E-04	6.72E-04	5.23E-04	3.43E-04
1931	563120.5	4234375	5.58E-03	4.97E-03	9.46E-04	7.97E-04	4.50E-03	3.65E-03	7.37E-04	7.08E-04	5.51E-04	3.61E-04
1932	563111	4234374	5.89E-03	5.25E-03	9.99E-04	8.42E-04	4.75E-03	3.85E-03	7.79E-04	7.47E-04	5.81E-04	3.82E-04
1933	563207.8	4234362	3.33E-03	2.97E-03	5.65E-04	4.76E-04	2.69E-03	2.18E-03	4.40E-04	4.22E-04	3.29E-04	2.16E-04
1934	563198.3	4234361	3.47E-03	3.09E-03	5.88E-04	4.96E-04	2.80E-03	2.27E-03	4.58E-04	4.40E-04	3.42E-04	2.25E-04
1935	563188.8	4234360	3.61E-03	3.22E-03	6.13E-04	5.16E-04	2.92E-03	2.36E-03	4.78E-04	4.58E-04	3.57E-04	2.34E-04
1936	563179.3	4234359	3.77E-03	3.36E-03	6.40E-04	5.39E-04	3.04E-03	2.47E-03	4.98E-04	4.78E-04	3.72E-04	2.44E-04
1937	563169.8	4234359	3.94E-03	3.51E-03	6.69E-04	5.63E-04	3.18E-03	2.58E-03	5.21E-04	5.00E-04	3.89E-04	2.55E-04
1938	563160.2	4234358	4.13E-03	3.68E-03	7.00E-04	5.90E-04	3.33E-03	2.70E-03	5.46E-04	5.23E-04	4.07E-04	2.67E-04
1939	563150.7	4234357	4.32E-03	3.86E-03	7.34E-04	6.18E-04	3.49E-03	2.83E-03	5.72E-04	5.49E-04	4.27E-04	2.80E-04

1940	563141.2	4234356	4.54E-03	4.05E-03	7.70E-04	6.49E-04	3.66E-03	2.97E-03	6.00E-04	5.76E-04	4.48E-04	2.94E-04
1941	563131.7	4234355	4.76E-03	4.25E-03	8.08E-04	6.81E-04	3.85E-03	3.12E-03	6.30E-04	6.04E-04	4.70E-04	3.09E-04
1942	563122.2	4234355	5.00E-03	4.46E-03	8.49E-04	7.16E-04	4.04E-03	3.27E-03	6.62E-04	6.35E-04	4.94E-04	3.24E-04
1943	563112.6	4234354	5.28E-03	4.71E-03	8.97E-04	7.56E-04	4.27E-03	3.46E-03	6.99E-04	6.71E-04	5.22E-04	3.43E-04
1944	563209.5	4234342	3.07E-03	2.74E-03	5.21E-04	4.39E-04	2.48E-03	2.01E-03	4.06E-04	3.89E-04	3.03E-04	1.99E-04
1945	563200	4234341	3.19E-03	2.84E-03	5.40E-04	4.56E-04	2.57E-03	2.08E-03	4.21E-04	4.04E-04	3.15E-04	2.06E-04
1946	563190.4	4234340	3.31E-03	2.95E-03	5.62E-04	4.73E-04	2.67E-03	2.17E-03	4.38E-04	4.20E-04	3.27E-04	2.14E-04
1947	563180.9	4234339	3.44E-03	3.07E-03	5.84E-04	4.92E-04	2.78E-03	2.25E-03	4.55E-04	4.37E-04	3.40E-04	2.23E-04
1948	563171.4	4234339	3.59E-03	3.20E-03	6.09E-04	5.13E-04	2.90E-03	2.35E-03	4.75E-04	4.55E-04	3.55E-04	2.33E-04
1949	563161.9	4234338	3.75E-03	3.34E-03	6.36E-04	5.36E-04	3.03E-03	2.45E-03	4.96E-04	4.76E-04	3.70E-04	2.43E-04
1950	563152.4	4234337	3.92E-03	3.50E-03	6.65E-04	5.61E-04	3.17E-03	2.57E-03	5.19E-04	4.98E-04	3.87E-04	2.54E-04
1951	563142.8	4234336	4.11E-03	3.66E-03	6.97E-04	5.87E-04	3.32E-03	2.69E-03	5.43E-04	5.21E-04	4.06E-04	2.66E-04
1952	563133.3	4234335	4.31E-03	3.84E-03	7.31E-04	6.16E-04	3.48E-03	2.82E-03	5.69E-04	5.46E-04	4.25E-04	2.79E-04
1953	563123.8	4234335	4.51E-03	4.03E-03	7.66E-04	6.45E-04	3.64E-03	2.95E-03	5.97E-04	5.73E-04	4.46E-04	2.93E-04
1954	563114.3	4234334	4.76E-03	4.25E-03	8.08E-04	6.81E-04	3.85E-03	3.12E-03	6.30E-04	6.04E-04	4.70E-04	3.09E-04
1955	563212.8	4234302	2.64E-03	2.35E-03	4.48E-04	3.78E-04	2.13E-03	1.73E-03	3.49E-04	3.35E-04	2.61E-04	1.71E-04
1956	563203.2	4234301	2.72E-03	2.43E-03	4.62E-04	3.90E-04	2.20E-03	1.78E-03	3.60E-04	3.46E-04	2.69E-04	1.77E-04
1957	563193.7	4234300	2.82E-03	2.51E-03	4.78E-04	4.03E-04	2.27E-03	1.84E-03	3.72E-04	3.57E-04	2.78E-04	1.82E-04
1958	563184.2	4234299	2.92E-03	2.60E-03	4.95E-04	4.17E-04	2.35E-03	1.91E-03	3.86E-04	3.70E-04	2.88E-04	1.89E-04
1959	563174.7	4234299	3.02E-03	2.70E-03	5.13E-04	4.32E-04	2.44E-03	1.98E-03	4.00E-04	3.84E-04	2.99E-04	1.96E-04
1960	563165.2	4234298	3.14E-03	2.80E-03	5.33E-04	4.49E-04	2.54E-03	2.06E-03	4.16E-04	3.99E-04	3.10E-04	2.04E-04
1961	563155.6	4234297	3.27E-03	2.92E-03	5.55E-04	4.68E-04	2.64E-03	2.14E-03	4.33E-04	4.15E-04	3.23E-04	2.12E-04
1962	563146.1	4234296	3.42E-03	3.05E-03	5.80E-04	4.89E-04	2.76E-03	2.24E-03	4.52E-04	4.33E-04	3.37E-04	2.21E-04
1963	563136.6	4234296	3.57E-03	3.18E-03	6.06E-04	5.10E-04	2.88E-03	2.34E-03	4.72E-04	4.53E-04	3.53E-04	2.31E-04
1964	563127.1	4234295	3.73E-03	3.33E-03	6.33E-04	5.34E-04	3.01E-03	2.44E-03	4.94E-04	4.74E-04	3.69E-04	2.42E-04
1965	563117.6	4234294	3.92E-03	3.50E-03	6.66E-04	5.61E-04	3.17E-03	2.57E-03	5.19E-04	4.98E-04	3.87E-04	2.54E-04
1966	563216	4234262	2.30E-03	2.05E-03	3.91E-04	3.29E-04	1.86E-03	1.51E-03	3.05E-04	2.92E-04	2.27E-04	1.49E-04
1967	563206.5	4234261	2.36E-03	2.11E-03	4.01E-04	3.38E-04	1.91E-03	1.55E-03	3.13E-04	3.00E-04	2.33E-04	1.53E-04
1968	563197	4234260	2.43E-03	2.17E-03	4.13E-04	3.48E-04	1.96E-03	1.59E-03	3.22E-04	3.09E-04	2.40E-04	1.58E-04
1969	563187.5	4234260	2.51E-03	2.24E-03	4.25E-04	3.59E-04	2.02E-03	1.64E-03	3.32E-04	3.18E-04	2.48E-04	1.63E-04
1970	563178	4234259	2.59E-03	2.31E-03	4.39E-04	3.70E-04	2.09E-03	1.69E-03	3.43E-04	3.29E-04	2.56E-04	1.68E-04
1971	563168.4	4234258	2.68E-03	2.39E-03	4.55E-04	3.83E-04	2.16E-03	1.75E-03	3.55E-04	3.40E-04	2.65E-04	1.74E-04
1972	563158.9	4234257	2.78E-03	2.48E-03	4.72E-04	3.98E-04	2.25E-03	1.82E-03	3.68E-04	3.53E-04	2.75E-04	1.80E-04
1973	563149.4	4234256	2.89E-03	2.58E-03	4.91E-04	4.13E-04	2.33E-03	1.89E-03	3.82E-04	3.67E-04	2.86E-04	1.87E-04
1974	563139.9	4234256	3.01E-03	2.69E-03	5.11E-04	4.31E-04	2.43E-03	1.97E-03	3.98E-04	3.82E-04	2.97E-04	1.95E-04
1975	563130.4	4234255	3.14E-03	2.80E-03	5.33E-04	4.49E-04	2.54E-03	2.05E-03	4.15E-04	3.98E-04	3.10E-04	2.03E-04
1976	563120.8	4234254	3.28E-03	2.92E-03	5.56E-04	4.69E-04	2.65E-03	2.15E-03	4.34E-04	4.16E-04	3.24E-04	2.12E-04
1977	563219.3	4234222	2.07E-03	1.84E-03	3.51E-04	2.96E-04	1.67E-03	1.35E-03	2.73E-04	2.62E-04	2.04E-04	1.34E-04
1978	563209.8	4234221	2.11E-03	1.88E-03	3.58E-04	3.02E-04	1.70E-03	1.38E-03	2.79E-04	2.68E-04	2.08E-04	1.37E-04
1979	563200.3	4234221	2.15E-03	1.92E-03	3.65E-04	3.08E-04	1.74E-03	1.41E-03	2.84E-04	2.73E-04	2.12E-04	1.39E-04
1980	563190.8	4234220	2.20E-03	1.96E-03	3.73E-04	3.14E-04	1.77E-03	1.44E-03	2.90E-04	2.79E-04	2.17E-04	1.42E-04
1981	563181.2	4234219	2.25E-03	2.01E-03	3.82E-04	3.22E-04	1.82E-03	1.47E-03	2.97E-04	2.85E-04	2.22E-04	1.46E-04
1982	563171.7	4234218	2.32E-03	2.07E-03	3.94E-04	3.32E-04	1.87E-03	1.52E-03	3.07E-04	2.94E-04	2.29E-04	1.50E-04
1983	563162.2	4234217	2.40E-03	2.14E-03	4.07E-04	3.43E-04	1.94E-03	1.57E-03	3.17E-04	3.04E-04	2.37E-04	1.55E-04
1984	563152.7	4234217	2.48E-03	2.22E-03	4.21E-04	3.55E-04	2.01E-03	1.63E-03	3.28E-04	3.15E-04	2.45E-04	1.61E-04
1985	563143.2	4234216	2.58E-03	2.30E-03	4.37E-04	3.69E-04	2.08E-03	1.69E-03	3.41E-04	3.27E-04	2.55E-04	1.67E-04
1986	563133.6	4234215	2.68E-03	2.39E-03	4.55E-04	3.83E-04	2.16E-03	1.75E-03	3.55E-04	3.40E-04	2.65E-04	1.74E-04
1987	563124.1	4234214	2.79E-03	2.49E-03	4.74E-04	3.99E-04	2.25E-03	1.83E-03	3.69E-04	3.54E-04	2.76E-04	1.81E-04
1988	563222.6	4234182	1.85E-03	1.65E-03	3.13E-04	2.64E-04	1.49E-03	1.21E-03	2.44E-04	2.34E-04	1.82E-04	1.20E-04
1989	563213.1	4234181	1.88E-03	1.68E-03	3.19E-04	2.69E-04	1.52E-03	1.23E-03	2.49E-04	2.39E-04	1.86E-04	1.22E-04
1990	563203.6	4234181	1.91E-03	1.70E-03	3.24E-04	2.73E-04	1.54E-03	1.25E-03	2.52E-04	2.42E-04	1.89E-04	1.24E-04
1991	563194	4234180	1.94E-03	1.73E-03	3.29E-04	2.78E-04	1.57E-03	1.27E-03	2.57E-04	2.46E-04	1.92E-04	1.26E-04
1992	563184.5	4234179	1.98E-03	1.76E-03	3.35E-04	2.83E-04	1.60E-03	1.29E-03	2.61E-04	2.51E-04	1.95E-04	1.28E-04
1993	563175	4234178	2.03E-03	1.81E-03	3.45E-04	2.90E-04	1.64E-03	1.33E-03	2.69E-04	2.58E-04	2.01E-04	1.32E-04
1994	563165.5	4234178	2.09E-03	1.87E-03	3.55E-04	2.99E-04	1.69E-03	1.37E-03	2.77E-04	2.66E-04	2.07E-04	1.36E-04
1995	563156	4234177	2.16E-03	1.93E-03	3.67E-04	3.09E-04	1.74E-03	1.41E-03	2.86E-04	2.74E-04	2.13E-04	1.40E-04
1996	563146.4	4234176	2.24E-03	2.00E-03	3.79E-04	3.20E-04	1.81E-03	1.46E-03	2.96E-04	2.84E-04	2.21E-04	1.45E-04
1997	563136.9	4234175	2.32E-03	2.07E-03	3.93E-04	3.32E-04	1.87E-03	1.52E-03	3.07E-04	2.94E-04	2.29E-04	1.50E-04
1998	563127.4	4234174	2.41E-03	2.15E-03	4.08E-04	3.44E-04	1.94E-03	1.58E-03	3.18E-04	3.05E-04	2.38E-04	1.56E-04
1999	563225.9	4234142	1.64E-03	1.47E-03	2.79E-04	2.35E-04	1.33E-03	1.08E-03	2.17E-04	2.09E-04	1.62E-04	1.07E-04
2000	563216.4	4234142	1.67E-03	1.49E-03	2.83E-04	2.38E-04	1.35E-03	1.09E-03	2.20E-04	2.11E-04	1.65E-04	1.08E-04
2001	563206.8	4234141	1.69E-03	1.51E-03	2.87E-04	2.42E-04	1.37E-03	1.11E-03	2.24E-04	2.15E-04	1.67E-04	1.10E-04
2002	563197.3	4234140	1.72E-03	1.54E-03	2.92E-04	2.46E-04	1.39E-03	1.13E-03	2.28E-04	2.18E-04	1.70E-04	1.12E-04
2003	563187.8	4234139	1.76E-03	1.57E-03	2.98E-04	2.51E-04	1.42E-03	1.15E-03	2.32E-04	2.23E-04	1.73E-04	1.14E-04
2004	563178.3	4234138	1.80E-03	1.60E-03	3.05E-04	2.57E-04	1.45E-03	1.18E-03	2.38E-04	2.28E-04	1.77E-04	1.16E-04
2005	563168.8	4234138	1.85E-03	1.65E-03	3.13E-04	2.64E-04	1.49E-03	1.21E-03	2.44E-04	2.34E-04	1.82E-04	1.20E-04
2006	563159.2	4234137	1.90E-03	1.70E-03	3.23E-04	2.72E-04	1.53E-03	1.24E-03	2.51E-04	2.41E-04	1.88E-04	1.23E-04

2007	563149.7	4234136	1.96E-03	1.75E-03	3.33E-04	2.81E-04	1.58E-03	1.28E-03	2.59E-04	2.49E-04	1.94E-04	1.27E-04
2008	563140.2	4234135	2.03E-03	1.81E-03	3.44E-04	2.90E-04	1.64E-03	1.33E-03	2.68E-04	2.57E-04	2.00E-04	1.31E-04
2009	563130.7	4234135	2.10E-03	1.87E-03	3.56E-04	3.00E-04	1.70E-03	1.37E-03	2.78E-04	2.67E-04	2.07E-04	1.36E-04
2010	563229.2	4234103	1.46E-03	1.31E-03	2.48E-04	2.09E-04	1.18E-03	9.58E-04	1.94E-04	1.86E-04	1.45E-04	9.49E-05
2011	563219.6	4234102	1.48E-03	1.32E-03	2.52E-04	2.12E-04	1.20E-03	9.72E-04	1.96E-04	1.88E-04	1.47E-04	9.62E-05
2012	563210.1	4234101	1.51E-03	1.35E-03	2.56E-04	2.16E-04	1.22E-03	9.87E-04	2.00E-04	1.91E-04	1.49E-04	9.78E-05
2013	563200.6	4234100	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.01E-03	2.03E-04	1.95E-04	1.52E-04	9.96E-05
2014	563191.1	4234099	1.57E-03	1.40E-03	2.66E-04	2.24E-04	1.27E-03	1.03E-03	2.07E-04	1.99E-04	1.55E-04	1.02E-04
2015	563181.6	4234099	1.60E-03	1.43E-03	2.72E-04	2.29E-04	1.30E-03	1.05E-03	2.12E-04	2.04E-04	1.58E-04	1.04E-04
2016	563172	4234098	1.64E-03	1.47E-03	2.79E-04	2.35E-04	1.33E-03	1.08E-03	2.17E-04	2.09E-04	1.62E-04	1.07E-04
2017	563162.5	4234097	1.69E-03	1.51E-03	2.86E-04	2.41E-04	1.36E-03	1.10E-03	2.23E-04	2.14E-04	1.67E-04	1.09E-04
2018	563153	4234096	1.74E-03	1.55E-03	2.95E-04	2.48E-04	1.40E-03	1.14E-03	2.30E-04	2.20E-04	1.72E-04	1.13E-04
2019	563143.5	4234095	1.79E-03	1.60E-03	3.04E-04	2.56E-04	1.45E-03	1.17E-03	2.37E-04	2.27E-04	1.77E-04	1.16E-04
2020	563134	4234095	1.85E-03	1.65E-03	3.14E-04	2.65E-04	1.49E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
2021	563232.5	4234063	1.33E-03	1.18E-03	2.25E-04	1.90E-04	1.07E-03	8.68E-04	1.75E-04	1.68E-04	1.31E-04	8.60E-05
2022	563222.9	4234062	1.35E-03	1.20E-03	2.28E-04	1.92E-04	1.09E-03	8.80E-04	1.78E-04	1.71E-04	1.33E-04	8.72E-05
2023	563213.4	4234061	1.37E-03	1.22E-03	2.32E-04	1.95E-04	1.10E-03	8.94E-04	1.81E-04	1.73E-04	1.35E-04	8.85E-05
2024	563203.9	4234060	1.39E-03	1.24E-03	2.36E-04	1.99E-04	1.12E-03	9.09E-04	1.84E-04	1.76E-04	1.37E-04	9.00E-05
2025	563194.4	4234060	1.41E-03	1.26E-03	2.40E-04	2.02E-04	1.14E-03	9.25E-04	1.87E-04	1.79E-04	1.40E-04	9.16E-05
2026	563184.8	4234059	1.44E-03	1.29E-03	2.45E-04	2.06E-04	1.16E-03	9.44E-04	1.91E-04	1.83E-04	1.42E-04	9.35E-05
2027	563175.3	4234058	1.48E-03	1.32E-03	2.50E-04	2.11E-04	1.19E-03	9.65E-04	1.95E-04	1.87E-04	1.46E-04	9.56E-05
2028	563165.8	4234057	1.51E-03	1.35E-03	2.56E-04	2.16E-04	1.22E-03	9.89E-04	2.00E-04	1.92E-04	1.49E-04	9.79E-05
2029	563156.3	4234056	1.55E-03	1.38E-03	2.63E-04	2.22E-04	1.25E-03	1.02E-03	2.05E-04	1.97E-04	1.53E-04	1.01E-04
2030	563146.8	4234056	1.60E-03	1.42E-03	2.71E-04	2.28E-04	1.29E-03	1.04E-03	2.11E-04	2.03E-04	1.58E-04	1.03E-04
2031	563137.2	4234055	1.65E-03	1.47E-03	2.79E-04	2.35E-04	1.33E-03	1.08E-03	2.18E-04	2.09E-04	1.62E-04	1.07E-04
2032	563226.2	4234022	1.23E-03	1.09E-03	2.08E-04	1.75E-04	9.91E-04	8.03E-04	1.62E-04	1.56E-04	1.21E-04	7.95E-05
2033	563216.7	4234021	1.24E-03	1.11E-03	2.11E-04	1.78E-04	1.00E-03	8.14E-04	1.64E-04	1.58E-04	1.23E-04	8.06E-05
2034	563207.2	4234020	1.26E-03	1.13E-03	2.14E-04	1.80E-04	1.02E-03	8.26E-04	1.67E-04	1.60E-04	1.25E-04	8.18E-05
2035	563197.6	4234020	1.28E-03	1.14E-03	2.18E-04	1.83E-04	1.04E-03	8.39E-04	1.70E-04	1.63E-04	1.27E-04	8.31E-05
2036	563188.1	4234019	1.31E-03	1.17E-03	2.22E-04	1.87E-04	1.05E-03	8.55E-04	1.73E-04	1.66E-04	1.29E-04	8.47E-05
2037	563178.6	4234018	1.33E-03	1.19E-03	2.26E-04	1.91E-04	1.08E-03	8.72E-04	1.76E-04	1.69E-04	1.32E-04	8.64E-05
2038	563169.1	4234017	1.36E-03	1.22E-03	2.31E-04	1.95E-04	1.10E-03	8.92E-04	1.80E-04	1.73E-04	1.35E-04	8.83E-05
2039	563159.6	4234017	1.40E-03	1.25E-03	2.37E-04	2.00E-04	1.13E-03	9.14E-04	1.85E-04	1.77E-04	1.38E-04	9.05E-05
2040	563150	4234016	1.43E-03	1.28E-03	2.43E-04	2.05E-04	1.16E-03	9.38E-04	1.90E-04	1.82E-04	1.42E-04	9.29E-05
2041	563140.5	4234015	1.47E-03	1.32E-03	2.50E-04	2.11E-04	1.19E-03	9.65E-04	1.95E-04	1.87E-04	1.46E-04	9.55E-05
2042	563229.5	4233982	1.12E-03	1.00E-03	1.91E-04	1.61E-04	9.08E-04	7.36E-04	1.49E-04	1.43E-04	1.11E-04	7.29E-05
2043	563220	4233981	1.14E-03	1.02E-03	1.93E-04	1.63E-04	9.19E-04	7.45E-04	1.50E-04	1.44E-04	1.12E-04	7.37E-05
2044	563210.5	4233981	1.15E-03	1.03E-03	1.96E-04	1.65E-04	9.31E-04	7.55E-04	1.52E-04	1.46E-04	1.14E-04	7.47E-05
2045	563200.9	4233980	1.17E-03	1.04E-03	1.99E-04	1.67E-04	9.45E-04	7.66E-04	1.55E-04	1.48E-04	1.16E-04	7.58E-05
2046	563191.4	4233979	1.19E-03	1.06E-03	2.02E-04	1.70E-04	9.61E-04	7.79E-04	1.57E-04	1.51E-04	1.17E-04	7.71E-05
2047	563181.9	4233978	1.21E-03	1.08E-03	2.06E-04	1.73E-04	9.79E-04	7.93E-04	1.60E-04	1.54E-04	1.20E-04	7.85E-05
2048	563172.4	4233977	1.24E-03	1.10E-03	2.10E-04	1.77E-04	9.99E-04	8.09E-04	1.64E-04	1.57E-04	1.22E-04	8.02E-05
2049	563162.8	4233977	1.26E-03	1.13E-03	2.15E-04	1.81E-04	1.02E-03	8.28E-04	1.67E-04	1.60E-04	1.25E-04	8.20E-05
2050	563153.3	4233976	1.30E-03	1.16E-03	2.20E-04	1.85E-04	1.05E-03	8.48E-04	1.71E-04	1.64E-04	1.28E-04	8.40E-05
2051	563143.8	4233975	1.33E-03	1.19E-03	2.26E-04	1.90E-04	1.07E-03	8.70E-04	1.76E-04	1.69E-04	1.31E-04	8.62E-05
2052	563232.8	4233942	1.04E-03	9.24E-04	1.76E-04	1.48E-04	8.36E-04	6.78E-04	1.37E-04	1.31E-04	1.02E-04	6.71E-05
2053	563223.3	4233941	1.05E-03	9.33E-04	1.78E-04	1.50E-04	8.45E-04	6.85E-04	1.38E-04	1.33E-04	1.03E-04	6.78E-05
2054	563213.7	4233941	1.06E-03	9.45E-04	1.80E-04	1.51E-04	8.55E-04	6.93E-04	1.40E-04	1.34E-04	1.05E-04	6.86E-05
2055	563204.2	4233940	1.07E-03	9.57E-04	1.82E-04	1.53E-04	8.66E-04	7.02E-04	1.42E-04	1.36E-04	1.06E-04	6.95E-05
2056	563194.7	4233939	1.09E-03	9.72E-04	1.85E-04	1.56E-04	8.80E-04	7.13E-04	1.44E-04	1.38E-04	1.08E-04	7.06E-05
2057	563185.2	4233938	1.11E-03	9.88E-04	1.88E-04	1.58E-04	8.94E-04	7.25E-04	1.47E-04	1.41E-04	1.09E-04	7.18E-05
2058	563175.6	4233938	1.13E-03	1.01E-03	1.92E-04	1.61E-04	9.11E-04	7.39E-04	1.49E-04	1.43E-04	1.11E-04	7.32E-05
2059	563166.1	4233937	1.15E-03	1.03E-03	1.96E-04	1.65E-04	9.30E-04	7.54E-04	1.52E-04	1.46E-04	1.14E-04	7.47E-05
2060	563156.6	4233936	1.18E-03	1.05E-03	2.00E-04	1.69E-04	9.51E-04	7.71E-04	1.56E-04	1.50E-04	1.16E-04	7.64E-05
2061	563147.1	4233935	1.21E-03	1.08E-03	2.05E-04	1.73E-04	9.75E-04	7.90E-04	1.60E-04	1.53E-04	1.19E-04	7.82E-05
2062	563078.9	4234641	2.83E-02	2.52E-02	4.80E-03	4.05E-03	2.28E-02	1.85E-02	3.74E-03	3.59E-03	2.79E-03	1.83E-03
2063	563078.1	4234651	2.91E-02	2.60E-02	4.94E-03	4.16E-03	2.35E-02	1.91E-02	3.85E-03	3.69E-03	2.88E-03	1.89E-03
2064	563077.3	4234660	2.97E-02	2.65E-02	5.04E-03	4.25E-03	2.40E-02	1.94E-02	3.93E-03	3.77E-03	2.93E-03	1.93E-03
2065	563076.5	4234669	3.00E-02	2.68E-02	5.09E-03	4.29E-03	2.42E-02	1.96E-02	3.97E-03	3.81E-03	2.96E-03	1.94E-03
2066	563075.7	4234679	2.98E-02	2.66E-02	5.05E-03	4.26E-03	2.41E-02	1.95E-02	3.94E-03	3.78E-03	2.94E-03	1.93E-03
2067	563074.9	4234688	2.95E-02	2.63E-02	5.00E-03	4.21E-03	2.38E-02	1.93E-02	3.90E-03	3.74E-03	2.91E-03	1.91E-03
2068	563074.1	4234697	2.91E-02	2.59E-02	4.93E-03	4.16E-03	2.35E-02	1.90E-02	3.84E-03	3.69E-03	2.87E-03	1.88E-03
2069	563073.3	4234707	2.87E-02	2.56E-02	4.88E-03	4.11E-03	2.32E-02	1.88E-02	3.80E-03	3.65E-03	2.84E-03	1.86E-03
2070	563072.5	4234716	2.83E-02	2.52E-02	4.80E-03	4.05E-03	2.28E-02	1.85E-02	3.74E-03	3.59E-03	2.79E-03	1.83E-03
2071	563071.7	4234725	2.77E-02	2.48E-02	4.71E-03	3.97E-03	2.24E-02	1.82E-02	3.67E-03	3.52E-03	2.74E-03	1.80E-03
2072	563070.9	4234734	2.73E-02	2.44E-02	4.64E-03	3.91E-03	2.21E-02	1.79E-02	3.61E-03	3.47E-03	2.70E-03	1.77E-03
2073	563070.1	4234744	2.69E-02	2.40E-02	4.57E-03	3.85E-03	2.17E-02	1.76E-02	3.56E-03	3.42E-03	2.66E-03	1.75E-03

2074	563068.9	4234640	2.53E-02	2.25E-02	4.29E-03	3.61E-03	2.04E-02	1.65E-02	3.34E-03	3.21E-03	2.49E-03	1.64E-03
2075	563068.1	4234650	2.59E-02	2.31E-02	4.39E-03	3.70E-03	2.09E-02	1.69E-02	3.42E-03	3.28E-03	2.55E-03	1.68E-03
2076	563067.3	4234659	2.63E-02	2.35E-02	4.46E-03	3.76E-03	2.12E-02	1.72E-02	3.48E-03	3.34E-03	2.60E-03	1.70E-03
2077	563066.5	4234668	2.65E-02	2.36E-02	4.50E-03	3.79E-03	2.14E-02	1.73E-02	3.50E-03	3.36E-03	2.62E-03	1.72E-03
2078	563065.8	4234678	2.62E-02	2.34E-02	4.45E-03	3.75E-03	2.12E-02	1.72E-02	3.47E-03	3.33E-03	2.59E-03	1.70E-03
2079	563065	4234687	2.58E-02	2.30E-02	4.38E-03	3.69E-03	2.09E-02	1.69E-02	3.42E-03	3.28E-03	2.55E-03	1.67E-03
2080	563064.2	4234696	2.54E-02	2.26E-02	4.30E-03	3.63E-03	2.05E-02	1.66E-02	3.35E-03	3.22E-03	2.50E-03	1.64E-03
2081	563063.4	4234706	2.48E-02	2.21E-02	4.21E-03	3.55E-03	2.00E-02	1.62E-02	3.28E-03	3.15E-03	2.45E-03	1.61E-03
2082	563062.6	4234715	2.42E-02	2.16E-02	4.10E-03	3.46E-03	1.95E-02	1.58E-02	3.20E-03	3.07E-03	2.39E-03	1.57E-03
2083	563061.8	4234724	2.35E-02	2.10E-02	3.99E-03	3.36E-03	1.90E-02	1.54E-02	3.11E-03	2.98E-03	2.32E-03	1.52E-03
2084	563061	4234734	2.31E-02	2.06E-02	3.92E-03	3.30E-03	1.87E-02	1.51E-02	3.05E-03	2.93E-03	2.28E-03	1.50E-03
2085	563060.2	4234743	2.27E-02	2.03E-02	3.86E-03	3.25E-03	1.84E-02	1.49E-02	3.01E-03	2.89E-03	2.25E-03	1.47E-03
2086	563059	4234640	2.26E-02	2.02E-02	3.84E-03	3.23E-03	1.82E-02	1.48E-02	2.99E-03	2.87E-03	2.23E-03	1.46E-03
2087	563058.2	4234649	2.31E-02	2.06E-02	3.91E-03	3.30E-03	1.86E-02	1.51E-02	3.05E-03	2.93E-03	2.28E-03	1.49E-03
2088	563057.4	4234658	2.34E-02	2.08E-02	3.96E-03	3.34E-03	1.89E-02	1.53E-02	3.09E-03	2.96E-03	2.31E-03	1.51E-03
2089	563056.6	4234668	2.35E-02	2.10E-02	3.99E-03	3.36E-03	1.90E-02	1.54E-02	3.11E-03	2.98E-03	2.32E-03	1.52E-03
2090	563055.8	4234677	2.32E-02	2.07E-02	3.93E-03	3.32E-03	1.87E-02	1.52E-02	3.07E-03	2.94E-03	2.29E-03	1.50E-03
2091	563055	4234686	2.28E-02	2.03E-02	3.86E-03	3.26E-03	1.84E-02	1.49E-02	3.01E-03	2.89E-03	2.25E-03	1.48E-03
2092	563054.2	4234696	2.23E-02	1.99E-02	3.78E-03	3.18E-03	1.80E-02	1.46E-02	2.94E-03	2.83E-03	2.20E-03	1.44E-03
2093	563053.4	4234705	2.17E-02	1.94E-02	3.68E-03	3.10E-03	1.75E-02	1.42E-02	2.87E-03	2.75E-03	2.14E-03	1.41E-03
2094	563052.6	4234714	2.11E-02	1.88E-02	3.58E-03	3.01E-03	1.70E-02	1.38E-02	2.79E-03	2.67E-03	2.08E-03	1.37E-03
2095	563051.8	4234723	2.04E-02	1.82E-02	3.46E-03	2.92E-03	1.65E-02	1.33E-02	2.70E-03	2.59E-03	2.01E-03	1.32E-03
2096	563051	4234733	1.99E-02	1.78E-02	3.38E-03	2.85E-03	1.61E-02	1.30E-02	2.64E-03	2.53E-03	1.97E-03	1.29E-03
2097	563050.2	4234742	1.96E-02	1.74E-02	3.32E-03	2.80E-03	1.58E-02	1.28E-02	2.59E-03	2.48E-03	1.93E-03	1.27E-03
2098	563071.1	4234600	2.18E-02	1.95E-02	3.71E-03	3.12E-03	1.76E-02	1.43E-02	2.89E-03	2.77E-03	2.16E-03	1.42E-03
2099	563049	4234639	2.03E-02	1.81E-02	3.44E-03	2.90E-03	1.64E-02	1.33E-02	2.68E-03	2.57E-03	2.00E-03	1.31E-03
2100	563048.2	4234648	2.06E-02	1.84E-02	3.50E-03	2.95E-03	1.66E-02	1.35E-02	2.72E-03	2.61E-03	2.03E-03	1.34E-03
2101	563047.4	4234657	2.08E-02	1.86E-02	3.53E-03	2.98E-03	1.68E-02	1.36E-02	2.75E-03	2.64E-03	2.06E-03	1.35E-03
2102	563046.6	4234667	2.09E-02	1.87E-02	3.55E-03	2.99E-03	1.69E-02	1.37E-02	2.77E-03	2.65E-03	2.07E-03	1.36E-03
2103	563045.8	4234676	2.06E-02	1.84E-02	3.49E-03	2.94E-03	1.66E-02	1.35E-02	2.72E-03	2.61E-03	2.03E-03	1.33E-03
2104	563045	4234685	2.02E-02	1.80E-02	3.42E-03	2.88E-03	1.63E-02	1.32E-02	2.66E-03	2.56E-03	1.99E-03	1.31E-03
2105	563044.2	4234695	1.97E-02	1.75E-02	3.33E-03	2.81E-03	1.59E-02	1.29E-02	2.60E-03	2.49E-03	1.94E-03	1.27E-03
2106	563043.4	4234704	1.91E-02	1.70E-02	3.24E-03	2.73E-03	1.54E-02	1.25E-02	2.53E-03	2.42E-03	1.89E-03	1.24E-03
2107	563042.6	4234713	1.85E-02	1.65E-02	3.14E-03	2.65E-03	1.49E-02	1.21E-02	2.45E-03	2.35E-03	1.83E-03	1.20E-03
2108	563041.8	4234723	1.79E-02	1.59E-02	3.03E-03	2.55E-03	1.44E-02	1.17E-02	2.36E-03	2.27E-03	1.76E-03	1.16E-03
2109	563041	4234732	1.74E-02	1.55E-02	2.95E-03	2.49E-03	1.40E-02	1.14E-02	2.30E-03	2.21E-03	1.72E-03	1.13E-03
2110	563040.2	4234741	1.70E-02	1.52E-02	2.89E-03	2.43E-03	1.37E-02	1.11E-02	2.25E-03	2.16E-03	1.68E-03	1.10E-03
2111	563064.7	4234592	2.01E-02	1.79E-02	3.41E-03	2.87E-03	1.62E-02	1.32E-02	2.66E-03	2.55E-03	1.98E-03	1.30E-03
2112	563079.2	4234588	2.18E-02	1.95E-02	3.70E-03	3.12E-03	1.76E-02	1.43E-02	2.89E-03	2.77E-03	2.16E-03	1.41E-03
2113	563039	4234638	1.82E-02	1.63E-02	3.09E-03	2.61E-03	1.47E-02	1.19E-02	2.41E-03	2.31E-03	1.80E-03	1.18E-03
2114	563038.3	4234647	1.85E-02	1.65E-02	3.13E-03	2.64E-03	1.49E-02	1.21E-02	2.44E-03	2.34E-03	1.82E-03	1.20E-03
2115	563037.5	4234657	1.86E-02	1.66E-02	3.16E-03	2.66E-03	1.50E-02	1.22E-02	2.46E-03	2.36E-03	1.84E-03	1.21E-03
2116	563036.7	4234666	1.87E-02	1.66E-02	3.17E-03	2.67E-03	1.51E-02	1.22E-02	2.47E-03	2.37E-03	1.84E-03	1.21E-03
2117	563035.9	4234675	1.83E-02	1.64E-02	3.11E-03	2.62E-03	1.48E-02	1.20E-02	2.42E-03	2.33E-03	1.81E-03	1.19E-03
2118	563035.1	4234684	1.79E-02	1.60E-02	3.04E-03	2.56E-03	1.45E-02	1.17E-02	2.37E-03	2.27E-03	1.77E-03	1.16E-03
2119	563034.3	4234694	1.74E-02	1.56E-02	2.96E-03	2.49E-03	1.41E-02	1.14E-02	2.31E-03	2.21E-03	1.72E-03	1.13E-03
2120	563033.5	4234703	1.69E-02	1.51E-02	2.87E-03	2.42E-03	1.37E-02	1.11E-02	2.24E-03	2.15E-03	1.67E-03	1.10E-03
2121	563032.7	4234712	1.64E-02	1.46E-02	2.78E-03	2.34E-03	1.32E-02	1.07E-02	2.16E-03	2.08E-03	1.62E-03	1.06E-03
2122	563031.9	4234722	1.58E-02	1.41E-02	2.68E-03	2.26E-03	1.27E-02	1.03E-02	2.09E-03	2.00E-03	1.56E-03	1.02E-03
2123	563031.1	4234731	1.53E-02	1.36E-02	2.59E-03	2.19E-03	1.23E-02	1.00E-02	2.02E-03	1.94E-03	1.51E-03	9.91E-04
2124	563030.3	4234740	1.49E-02	1.33E-02	2.53E-03	2.13E-03	1.20E-02	9.75E-03	1.97E-03	1.89E-03	1.47E-03	9.66E-04
2125	563046.7	4234595	1.75E-02	1.57E-02	2.98E-03	2.51E-03	1.42E-02	1.15E-02	2.32E-03	2.23E-03	1.73E-03	1.14E-03
2126	563059.7	4234584	1.87E-02	1.67E-02	3.18E-03	2.68E-03	1.51E-02	1.23E-02	2.48E-03	2.38E-03	1.85E-03	1.22E-03
2127	563068.4	4234581	1.97E-02	1.76E-02	3.35E-03	2.82E-03	1.59E-02	1.29E-02	2.61E-03	2.50E-03	1.95E-03	1.28E-03
2128	563077.1	4234579	2.06E-02	1.84E-02	3.49E-03	2.94E-03	1.66E-02	1.35E-02	2.72E-03	2.61E-03	2.03E-03	1.33E-03
2129	563085.9	4234576	2.12E-02	1.89E-02	3.59E-03	3.03E-03	1.71E-02	1.39E-02	2.80E-03	2.69E-03	2.09E-03	1.37E-03
2130	563029.1	4234637	1.64E-02	1.46E-02	2.79E-03	2.35E-03	1.33E-02	1.07E-02	2.17E-03	2.08E-03	1.62E-03	1.06E-03
2131	563028.3	4234646	1.66E-02	1.48E-02	2.82E-03	2.37E-03	1.34E-02	1.09E-02	2.19E-03	2.11E-03	1.64E-03	1.08E-03
2132	563027.5	4234656	1.67E-02	1.49E-02	2.83E-03	2.39E-03	1.35E-02	1.09E-02	2.21E-03	2.12E-03	1.65E-03	1.08E-03
2133	563026.7	4234665	1.67E-02	1.49E-02	2.83E-03	2.39E-03	1.35E-02	1.09E-02	2.21E-03	2.12E-03	1.65E-03	1.08E-03
2134	563025.9	4234674	1.64E-02	1.46E-02	2.78E-03	2.35E-03	1.32E-02	1.07E-02	2.17E-03	2.08E-03	1.62E-03	1.06E-03
2135	563025.1	4234684	1.60E-02	1.43E-02	2.72E-03	2.29E-03	1.29E-02	1.05E-02	2.12E-03	2.03E-03	1.58E-03	1.04E-03
2136	563024.3	4234693	1.56E-02	1.39E-02	2.64E-03	2.23E-03	1.26E-02	1.02E-02	2.06E-03	1.97E-03	1.54E-03	1.01E-03
2137	563023.5	4234702	1.51E-02	1.35E-02	2.56E-03	2.16E-03	1.22E-02	9.87E-03	1.99E-03	1.91E-03	1.49E-03	9.77E-04
2138	563022.7	4234712	1.46E-02	1.30E-02	2.47E-03	2.08E-03	1.18E-02	9.53E-03	1.93E-03	1.85E-03	1.44E-03	9.44E-04
2139	563021.9	4234721	1.40E-02	1.25E-02	2.38E-03	2.01E-03	1.13E-02	9.19E-03	1.86E-03	1.78E-03	1.39E-03	9.10E-04
2140	563021.1	4234730	1.36E-02	1.21E-02	2.30E-03	1.94E-03	1.09E-02	8.87E-03	1.79E-03	1.72E-03	1.34E-03	8.79E-04

2141	563020.3	4234740	1.31E-02	1.17E-02	2.23E-03	1.88E-03	1.06E-02	8.60E-03	1.74E-03	1.67E-03	1.30E-03	8.51E-04
2142	563036.3	4234595	1.61E-02	1.43E-02	2.73E-03	2.30E-03	1.30E-02	1.05E-02	2.12E-03	2.04E-03	1.59E-03	1.04E-03
2143	563053	4234577	1.74E-02	1.55E-02	2.95E-03	2.48E-03	1.40E-02	1.14E-02	2.30E-03	2.20E-03	1.71E-03	1.13E-03
2144	563069.9	4234571	1.91E-02	1.70E-02	3.23E-03	2.73E-03	1.54E-02	1.25E-02	2.52E-03	2.42E-03	1.88E-03	1.24E-03
2145	563019.1	4234636	1.48E-02	1.32E-02	2.52E-03	2.12E-03	1.20E-02	9.70E-03	1.96E-03	1.88E-03	1.46E-03	9.61E-04
2146	563018.3	4234646	1.50E-02	1.33E-02	2.54E-03	2.14E-03	1.21E-02	9.78E-03	1.98E-03	1.90E-03	1.48E-03	9.69E-04
2147	563017.5	4234655	1.50E-02	1.34E-02	2.55E-03	2.15E-03	1.21E-02	9.82E-03	1.98E-03	1.90E-03	1.48E-03	9.72E-04
2148	563016.7	4234664	1.50E-02	1.34E-02	2.54E-03	2.14E-03	1.21E-02	9.81E-03	1.98E-03	1.90E-03	1.48E-03	9.71E-04
2149	563015.9	4234673	1.47E-02	1.31E-02	2.50E-03	2.11E-03	1.19E-02	9.64E-03	1.95E-03	1.87E-03	1.46E-03	9.55E-04
2150	563015.1	4234683	1.44E-02	1.28E-02	2.44E-03	2.06E-03	1.16E-02	9.41E-03	1.90E-03	1.82E-03	1.42E-03	9.31E-04
2151	563014.3	4234692	1.40E-02	1.25E-02	2.37E-03	2.00E-03	1.13E-02	9.14E-03	1.85E-03	1.77E-03	1.38E-03	9.05E-04
2152	563013.5	4234701	1.35E-02	1.21E-02	2.30E-03	1.94E-03	1.09E-02	8.86E-03	1.79E-03	1.72E-03	1.34E-03	8.77E-04
2153	563012.7	4234711	1.31E-02	1.17E-02	2.22E-03	1.87E-03	1.06E-02	8.56E-03	1.73E-03	1.66E-03	1.29E-03	8.47E-04
2154	563011.9	4234720	1.26E-02	1.12E-02	2.14E-03	1.80E-03	1.02E-02	8.25E-03	1.67E-03	1.60E-03	1.24E-03	8.17E-04
2155	563011.1	4234729	1.21E-02	1.08E-02	2.06E-03	1.74E-03	9.81E-03	7.95E-03	1.61E-03	1.54E-03	1.20E-03	7.87E-04
2156	563010.4	4234739	1.17E-02	1.04E-02	1.99E-03	1.67E-03	9.46E-03	7.66E-03	1.55E-03	1.49E-03	1.16E-03	7.59E-04
2157	563030	4234587	1.49E-02	1.33E-02	2.53E-03	2.13E-03	1.20E-02	9.76E-03	1.97E-03	1.89E-03	1.47E-03	9.67E-04
2158	563046.3	4234569	1.61E-02	1.44E-02	2.74E-03	2.31E-03	1.30E-02	1.06E-02	2.14E-03	2.05E-03	1.59E-03	1.05E-03
2159	563063	4234564	1.77E-02	1.58E-02	3.01E-03	2.53E-03	1.43E-02	1.16E-02	2.34E-03	2.25E-03	1.75E-03	1.15E-03
2160	563079.6	4234558	1.88E-02	1.67E-02	3.18E-03	2.68E-03	1.51E-02	1.23E-02	2.48E-03	2.38E-03	1.85E-03	1.22E-03
2161	563009.2	4234635	1.34E-02	1.20E-02	2.28E-03	1.92E-03	1.09E-02	8.80E-03	1.78E-03	1.71E-03	1.33E-03	8.71E-04
2162	563008.4	4234645	1.35E-02	1.21E-02	2.29E-03	1.93E-03	1.09E-02	8.85E-03	1.79E-03	1.72E-03	1.33E-03	8.76E-04
2163	563007.6	4234654	1.35E-02	1.21E-02	2.30E-03	1.94E-03	1.09E-02	8.86E-03	1.79E-03	1.72E-03	1.34E-03	8.78E-04
2164	563006.8	4234663	1.35E-02	1.21E-02	2.29E-03	1.93E-03	1.09E-02	8.85E-03	1.79E-03	1.72E-03	1.34E-03	8.76E-04
2165	563006	4234673	1.33E-02	1.19E-02	2.26E-03	1.90E-03	1.07E-02	8.71E-03	1.76E-03	1.69E-03	1.31E-03	8.62E-04
2166	563005.2	4234682	1.30E-02	1.16E-02	2.20E-03	1.86E-03	1.05E-02	8.49E-03	1.72E-03	1.65E-03	1.28E-03	8.41E-04
2167	563004.4	4234691	1.26E-02	1.13E-02	2.14E-03	1.80E-03	1.02E-02	8.25E-03	1.67E-03	1.60E-03	1.25E-03	8.17E-04
2168	563003.6	4234701	1.22E-02	1.09E-02	2.07E-03	1.75E-03	9.87E-03	8.00E-03	1.62E-03	1.55E-03	1.21E-03	7.92E-04
2169	563002.8	4234710	1.18E-02	1.05E-02	2.01E-03	1.69E-03	9.55E-03	7.74E-03	1.56E-03	1.50E-03	1.17E-03	7.66E-04
2170	563002	4234719	1.14E-02	1.02E-02	1.94E-03	1.63E-03	9.21E-03	7.47E-03	1.51E-03	1.45E-03	1.13E-03	7.40E-04
2171	563001.2	4234729	1.10E-02	9.81E-03	1.87E-03	1.57E-03	8.88E-03	7.20E-03	1.45E-03	1.40E-03	1.09E-03	7.13E-04
2172	563000.4	4234738	1.06E-02	9.44E-03	1.80E-03	1.51E-03	8.54E-03	6.92E-03	1.40E-03	1.34E-03	1.04E-03	6.86E-04
2173	563019.7	4234587	1.37E-02	1.22E-02	2.32E-03	1.96E-03	1.10E-02	8.95E-03	1.81E-03	1.74E-03	1.35E-03	8.87E-04
2174	563027.6	4234572	1.41E-02	1.26E-02	2.39E-03	2.01E-03	1.14E-02	9.22E-03	1.86E-03	1.79E-03	1.39E-03	9.13E-04
2175	563039.8	4234561	1.51E-02	1.34E-02	2.56E-03	2.15E-03	1.22E-02	9.86E-03	1.99E-03	1.91E-03	1.49E-03	9.76E-04
2176	563056.1	4234556	1.65E-02	1.48E-02	2.81E-03	2.36E-03	1.34E-02	1.08E-02	2.19E-03	2.10E-03	1.63E-03	1.07E-03
2177	563072.5	4234551	1.76E-02	1.57E-02	2.98E-03	2.51E-03	1.42E-02	1.15E-02	2.32E-03	2.23E-03	1.74E-03	1.14E-03
2178	562999.2	4234634	1.22E-02	1.09E-02	2.08E-03	1.75E-03	9.88E-03	8.00E-03	1.62E-03	1.55E-03	1.21E-03	7.93E-04
2179	562998.4	4234644	1.22E-02	1.09E-02	2.08E-03	1.75E-03	9.89E-03	8.01E-03	1.62E-03	1.55E-03	1.21E-03	7.94E-04
2180	562997.6	4234653	1.22E-02	1.09E-02	2.07E-03	1.75E-03	9.87E-03	8.00E-03	1.62E-03	1.55E-03	1.21E-03	7.92E-04
2181	562996.8	4234662	1.21E-02	1.08E-02	2.06E-03	1.74E-03	9.80E-03	7.94E-03	1.60E-03	1.54E-03	1.20E-03	7.87E-04
2182	562996	4234672	1.20E-02	1.07E-02	2.03E-03	1.71E-03	9.65E-03	7.82E-03	1.58E-03	1.52E-03	1.18E-03	7.75E-04
2183	562995.2	4234681	1.17E-02	1.04E-02	1.99E-03	1.67E-03	9.45E-03	7.66E-03	1.55E-03	1.48E-03	1.16E-03	7.58E-04
2184	562994.4	4234690	1.14E-02	1.02E-02	1.94E-03	1.63E-03	9.23E-03	7.48E-03	1.51E-03	1.45E-03	1.13E-03	7.41E-04
2185	562993.6	4234700	1.11E-02	9.92E-03	1.89E-03	1.59E-03	8.98E-03	7.28E-03	1.47E-03	1.41E-03	1.10E-03	7.21E-04
2186	562992.8	4234709	1.08E-02	9.61E-03	1.83E-03	1.54E-03	8.70E-03	7.05E-03	1.42E-03	1.37E-03	1.06E-03	6.98E-04
2187	562992	4234718	1.04E-02	9.29E-03	1.77E-03	1.49E-03	8.41E-03	6.81E-03	1.38E-03	1.32E-03	1.03E-03	6.75E-04
2188	562991.2	4234728	1.00E-02	8.96E-03	1.71E-03	1.44E-03	8.11E-03	6.58E-03	1.33E-03	1.28E-03	9.92E-04	6.51E-04
2189	562990.4	4234737	9.69E-03	8.64E-03	1.64E-03	1.39E-03	7.82E-03	6.34E-03	1.28E-03	1.23E-03	9.57E-04	6.28E-04
2190	563009.5	4234587	1.26E-02	1.12E-02	2.13E-03	1.79E-03	1.01E-02	8.21E-03	1.66E-03	1.59E-03	1.24E-03	8.13E-04
2191	563017.3	4234572	1.30E-02	1.16E-02	2.20E-03	1.85E-03	1.05E-02	8.49E-03	1.71E-03	1.65E-03	1.28E-03	8.40E-04
2192	563033.2	4234554	1.41E-02	1.26E-02	2.39E-03	2.02E-03	1.14E-02	9.22E-03	1.86E-03	1.79E-03	1.39E-03	9.13E-04
2193	563049.4	4234549	1.55E-02	1.38E-02	2.62E-03	2.21E-03	1.25E-02	1.01E-02	2.05E-03	1.96E-03	1.53E-03	1.00E-03
2194	563065.5	4234544	1.65E-02	1.47E-02	2.80E-03	2.36E-03	1.33E-02	1.08E-02	2.18E-03	2.09E-03	1.63E-03	1.07E-03
2195	563081.7	4234538	1.69E-02	1.51E-02	2.87E-03	2.42E-03	1.37E-02	1.11E-02	2.24E-03	2.15E-03	1.67E-03	1.10E-03
2196	562989.2	4234634	1.12E-02	9.96E-03	1.89E-03	1.60E-03	9.02E-03	7.31E-03	1.48E-03	1.42E-03	1.10E-03	7.24E-04
2197	562988.4	4234643	1.11E-02	9.92E-03	1.89E-03	1.59E-03	8.98E-03	7.28E-03	1.47E-03	1.41E-03	1.10E-03	7.21E-04
2198	562987.6	4234652	1.10E-02	9.86E-03	1.87E-03	1.58E-03	8.92E-03	7.23E-03	1.46E-03	1.40E-03	1.09E-03	7.16E-04
2199	562986.8	4234662	1.09E-02	9.74E-03	1.85E-03	1.56E-03	8.82E-03	7.15E-03	1.44E-03	1.39E-03	1.08E-03	7.08E-04
2200	562986	4234671	1.08E-02	9.60E-03	1.83E-03	1.54E-03	8.69E-03	7.04E-03	1.42E-03	1.37E-03	1.06E-03	6.97E-04
2201	562985.2	4234680	1.06E-02	9.45E-03	1.80E-03	1.51E-03	8.55E-03	6.93E-03	1.40E-03	1.34E-03	1.05E-03	6.86E-04
2202	562984.4	4234690	1.04E-02	9.28E-03	1.77E-03	1.49E-03	8.40E-03	6.81E-03	1.38E-03	1.32E-03	1.03E-03	6.75E-04
2203	562983.6	4234699	1.02E-02	9.08E-03	1.73E-03	1.46E-03	8.22E-03	6.66E-03	1.35E-03	1.29E-03	1.01E-03	6.60E-04
2204	562982.9	4234708	9.88E-03	8.81E-03	1.68E-03	1.41E-03	7.97E-03	6.46E-03	1.31E-03	1.25E-03	9.75E-04	6.40E-04
2205	562982.1	4234718	9.56E-03	8.53E-03	1.62E-03	1.37E-03	7.72E-03	6.26E-03	1.26E-03	1.21E-03	9.45E-04	6.20E-04
2206	562981.3	4234727	9.25E-03	8.25E-03	1.57E-03	1.32E-03	7.47E-03	6.05E-03	1.22E-03	1.17E-03	9.14E-04	5.99E-04
2207	562980.5	4234736	8.93E-03	7.97E-03	1.52E-03	1.28E-03	7.21E-03	5.85E-03	1.18E-03	1.13E-03	8.82E-04	5.79E-04

2208	562991.2	4234582	1.07E-02	9.54E-03	1.81E-03	1.53E-03	8.63E-03	7.00E-03	1.41E-03	1.36E-03	1.06E-03	6.93E-04
2209	562995.4	4234574	1.09E-02	9.73E-03	1.85E-03	1.56E-03	8.81E-03	7.14E-03	1.44E-03	1.38E-03	1.08E-03	7.07E-04
2210	562999.6	4234566	1.11E-02	9.93E-03	1.89E-03	1.59E-03	8.98E-03	7.28E-03	1.47E-03	1.41E-03	1.10E-03	7.21E-04
2211	563003.8	4234557	1.14E-02	1.01E-02	1.93E-03	1.62E-03	9.16E-03	7.43E-03	1.50E-03	1.44E-03	1.12E-03	7.36E-04
2212	563008	4234549	1.16E-02	1.03E-02	1.96E-03	1.66E-03	9.34E-03	7.57E-03	1.53E-03	1.47E-03	1.14E-03	7.50E-04
2213	563020.9	4234538	1.25E-02	1.11E-02	2.12E-03	1.79E-03	1.01E-02	8.17E-03	1.65E-03	1.58E-03	1.23E-03	8.09E-04
2214	563029.7	4234536	1.32E-02	1.18E-02	2.24E-03	1.88E-03	1.06E-02	8.62E-03	1.74E-03	1.67E-03	1.30E-03	8.54E-04
2215	563038.4	4234533	1.38E-02	1.23E-02	2.34E-03	1.98E-03	1.12E-02	9.04E-03	1.83E-03	1.75E-03	1.36E-03	8.95E-04
2216	563047.1	4234530	1.44E-02	1.28E-02	2.44E-03	2.06E-03	1.16E-02	9.40E-03	1.90E-03	1.82E-03	1.42E-03	9.31E-04
2217	563055.9	4234527	1.48E-02	1.32E-02	2.51E-03	2.12E-03	1.20E-02	9.70E-03	1.96E-03	1.88E-03	1.46E-03	9.60E-04
2218	563064.6	4234524	1.51E-02	1.35E-02	2.57E-03	2.16E-03	1.22E-02	9.89E-03	2.00E-03	1.92E-03	1.49E-03	9.80E-04
2219	563073.3	4234522	1.53E-02	1.36E-02	2.59E-03	2.18E-03	1.23E-02	9.98E-03	2.02E-03	1.94E-03	1.51E-03	9.89E-04
2220	563082	4234519	1.52E-02	1.36E-02	2.58E-03	2.17E-03	1.23E-02	9.95E-03	2.01E-03	1.93E-03	1.50E-03	9.85E-04
2221	563090.8	4234516	1.50E-02	1.34E-02	2.54E-03	2.14E-03	1.21E-02	9.80E-03	1.98E-03	1.90E-03	1.48E-03	9.71E-04
2222	562969.3	4234632	9.41E-03	8.40E-03	1.60E-03	1.35E-03	7.60E-03	6.16E-03	1.24E-03	1.19E-03	9.30E-04	6.10E-04
2223	562968.5	4234641	9.34E-03	8.33E-03	1.58E-03	1.34E-03	7.54E-03	6.11E-03	1.23E-03	1.18E-03	9.22E-04	6.05E-04
2224	562967.7	4234651	9.22E-03	8.23E-03	1.57E-03	1.32E-03	7.45E-03	6.04E-03	1.22E-03	1.17E-03	9.11E-04	5.98E-04
2225	562966.9	4234660	9.08E-03	8.10E-03	1.54E-03	1.30E-03	7.33E-03	5.94E-03	1.20E-03	1.15E-03	8.97E-04	5.89E-04
2226	562966.1	4234669	8.94E-03	7.98E-03	1.52E-03	1.28E-03	7.22E-03	5.85E-03	1.18E-03	1.13E-03	8.83E-04	5.80E-04
2227	562965.3	4234679	8.84E-03	7.89E-03	1.50E-03	1.26E-03	7.14E-03	5.79E-03	1.17E-03	1.12E-03	8.73E-04	5.73E-04
2228	562964.5	4234688	8.71E-03	7.77E-03	1.48E-03	1.25E-03	7.04E-03	5.70E-03	1.15E-03	1.11E-03	8.61E-04	5.65E-04
2229	562963.7	4234697	8.56E-03	7.64E-03	1.45E-03	1.22E-03	6.91E-03	5.60E-03	1.13E-03	1.09E-03	8.45E-04	5.55E-04
2230	562962.9	4234706	8.32E-03	7.42E-03	1.41E-03	1.19E-03	6.72E-03	5.45E-03	1.10E-03	1.06E-03	8.22E-04	5.39E-04
2231	562962.1	4234716	8.08E-03	7.21E-03	1.37E-03	1.16E-03	6.52E-03	5.29E-03	1.07E-03	1.03E-03	7.98E-04	5.24E-04
2232	562961.3	4234725	7.83E-03	6.99E-03	1.33E-03	1.12E-03	6.32E-03	5.12E-03	1.04E-03	9.94E-04	7.73E-04	5.07E-04
2233	562960.5	4234734	7.58E-03	6.76E-03	1.29E-03	1.08E-03	6.12E-03	4.96E-03	1.00E-03	9.61E-04	7.48E-04	4.91E-04
2234	562966.5	4234589	8.89E-03	7.93E-03	1.51E-03	1.27E-03	7.18E-03	5.82E-03	1.18E-03	1.13E-03	8.78E-04	5.76E-04
2235	563007.8	4234523	1.11E-02	9.90E-03	1.88E-03	1.59E-03	8.96E-03	7.26E-03	1.47E-03	1.41E-03	1.10E-03	7.19E-04
2236	563024.8	4234518	1.23E-02	1.09E-02	2.08E-03	1.75E-03	9.90E-03	8.02E-03	1.62E-03	1.56E-03	1.21E-03	7.94E-04
2237	563033.2	4234515	1.28E-02	1.14E-02	2.17E-03	1.83E-03	1.03E-02	8.36E-03	1.69E-03	1.62E-03	1.26E-03	8.28E-04
2238	563050.2	4234510	1.36E-02	1.21E-02	2.30E-03	1.94E-03	1.09E-02	8.87E-03	1.79E-03	1.72E-03	1.34E-03	8.78E-04
2239	563067.2	4234504	1.39E-02	1.24E-02	2.35E-03	1.98E-03	1.12E-02	9.06E-03	1.83E-03	1.76E-03	1.37E-03	8.98E-04
2240	563084.2	4234499	1.36E-02	1.21E-02	2.31E-03	1.94E-03	1.10E-02	8.89E-03	1.80E-03	1.72E-03	1.34E-03	8.80E-04
2241	562949.4	4234630	8.07E-03	7.20E-03	1.37E-03	1.15E-03	6.51E-03	5.28E-03	1.07E-03	1.02E-03	7.97E-04	5.23E-04
2242	562948.6	4234640	8.01E-03	7.15E-03	1.36E-03	1.15E-03	6.47E-03	5.24E-03	1.06E-03	1.02E-03	7.91E-04	5.19E-04
2243	562947.8	4234649	7.93E-03	7.08E-03	1.35E-03	1.13E-03	6.40E-03	5.19E-03	1.05E-03	1.01E-03	7.83E-04	5.14E-04
2244	562947	4234658	7.83E-03	6.98E-03	1.33E-03	1.12E-03	6.32E-03	5.12E-03	1.04E-03	9.93E-04	7.73E-04	5.07E-04
2245	562946.2	4234668	7.71E-03	6.88E-03	1.31E-03	1.10E-03	6.22E-03	5.04E-03	1.02E-03	9.78E-04	7.61E-04	5.00E-04
2246	562945.4	4234677	7.58E-03	6.76E-03	1.29E-03	1.08E-03	6.12E-03	4.96E-03	1.00E-03	9.61E-04	7.48E-04	4.91E-04
2247	562944.6	4234686	7.42E-03	6.62E-03	1.26E-03	1.06E-03	5.99E-03	4.86E-03	9.82E-04	9.42E-04	7.33E-04	4.81E-04
2248	562943.8	4234695	7.26E-03	6.47E-03	1.23E-03	1.04E-03	5.86E-03	4.75E-03	9.60E-04	9.21E-04	7.17E-04	4.70E-04
2249	562943	4234705	7.09E-03	6.32E-03	1.20E-03	1.01E-03	5.72E-03	4.64E-03	9.37E-04	8.99E-04	7.00E-04	4.59E-04
2250	562942.2	4234714	6.91E-03	6.16E-03	1.17E-03	9.88E-04	5.58E-03	4.52E-03	9.14E-04	8.77E-04	6.82E-04	4.48E-04
2251	562941.4	4234723	6.72E-03	6.00E-03	1.14E-03	9.61E-04	5.43E-03	4.40E-03	8.89E-04	8.53E-04	6.64E-04	4.36E-04
2252	562940.6	4234733	6.53E-03	5.82E-03	1.11E-03	9.33E-04	5.27E-03	4.27E-03	8.63E-04	8.28E-04	6.45E-04	4.23E-04
2253	562950.3	4234580	7.78E-03	6.94E-03	1.32E-03	1.11E-03	6.28E-03	5.09E-03	1.03E-03	9.88E-04	7.69E-04	5.04E-04
2254	562958.3	4234565	8.08E-03	7.21E-03	1.37E-03	1.16E-03	6.52E-03	5.29E-03	1.07E-03	1.02E-03	7.98E-04	5.23E-04
2255	562966.3	4234549	8.41E-03	7.50E-03	1.43E-03	1.20E-03	6.79E-03	5.50E-03	1.11E-03	1.07E-03	8.30E-04	5.45E-04
2256	562994.7	4234508	9.93E-03	8.86E-03	1.68E-03	1.42E-03	8.01E-03	6.50E-03	1.31E-03	1.26E-03	9.80E-04	6.43E-04
2257	563011.3	4234503	1.10E-02	9.78E-03	1.86E-03	1.57E-03	8.85E-03	7.17E-03	1.45E-03	1.39E-03	1.08E-03	7.10E-04
2258	563028	4234497	1.18E-02	1.06E-02	2.01E-03	1.69E-03	9.57E-03	7.75E-03	1.57E-03	1.50E-03	1.17E-03	7.68E-04
2259	563044.6	4234492	1.25E-02	1.11E-02	2.11E-03	1.78E-03	1.01E-02	8.15E-03	1.65E-03	1.58E-03	1.23E-03	8.07E-04
2260	563061.2	4234487	1.27E-02	1.13E-02	2.15E-03	1.81E-03	1.02E-02	8.28E-03	1.67E-03	1.61E-03	1.25E-03	8.20E-04
2261	563077.8	4234481	1.24E-02	1.10E-02	2.10E-03	1.77E-03	9.98E-03	8.09E-03	1.63E-03	1.57E-03	1.22E-03	8.01E-04
2262	562929.5	4234629	7.03E-03	6.27E-03	1.19E-03	1.00E-03	5.67E-03	4.60E-03	9.29E-04	8.92E-04	6.94E-04	4.55E-04
2263	562928.7	4234638	6.99E-03	6.24E-03	1.19E-03	1.00E-03	5.65E-03	4.58E-03	9.25E-04	8.87E-04	6.91E-04	4.53E-04
2264	562927.9	4234647	6.94E-03	6.19E-03	1.18E-03	9.92E-04	5.60E-03	4.54E-03	9.18E-04	8.80E-04	6.85E-04	4.50E-04
2265	562927.1	4234656	6.87E-03	6.13E-03	1.17E-03	9.82E-04	5.54E-03	4.49E-03	9.08E-04	8.71E-04	6.78E-04	4.45E-04
2266	562926.3	4234666	6.78E-03	6.05E-03	1.15E-03	9.70E-04	5.47E-03	4.44E-03	8.97E-04	8.60E-04	6.70E-04	4.39E-04
2267	562925.5	4234675	6.68E-03	5.96E-03	1.13E-03	9.55E-04	5.39E-03	4.37E-03	8.83E-04	8.47E-04	6.60E-04	4.33E-04
2268	562924.7	4234684	6.57E-03	5.86E-03	1.11E-03	9.39E-04	5.30E-03	4.30E-03	8.68E-04	8.33E-04	6.48E-04	4.25E-04
2269	562923.9	4234694	6.44E-03	5.75E-03	1.09E-03	9.21E-04	5.20E-03	4.21E-03	8.52E-04	8.17E-04	6.36E-04	4.17E-04
2270	562923.1	4234703	6.31E-03	5.63E-03	1.07E-03	9.02E-04	5.09E-03	4.13E-03	8.34E-04	8.00E-04	6.23E-04	4.09E-04
2271	562922.3	4234712	6.16E-03	5.50E-03	1.05E-03	8.81E-04	4.98E-03	4.03E-03	8.15E-04	7.82E-04	6.09E-04	3.99E-04
2272	562921.5	4234722	6.01E-03	5.36E-03	1.02E-03	8.59E-04	4.85E-03	3.93E-03	7.94E-04	7.62E-04	5.93E-04	3.89E-04
2273	562920.7	4234731	5.84E-03	5.21E-03	9.90E-04	8.35E-04	4.71E-03	3.82E-03	7.72E-04	7.41E-04	5.76E-04	3.78E-04
2274	562914.5	4234609	6.33E-03	5.65E-03	1.07E-03	9.06E-04	5.11E-03	4.14E-03	8.37E-04	8.03E-04	6.25E-04	4.10E-04

2275	562918.7	4234601	6.45E-03	5.75E-03	1.09E-03	9.22E-04	5.21E-03	4.22E-03	8.53E-04	8.18E-04	6.37E-04	4.18E-04
2276	562923	4234593	6.56E-03	5.86E-03	1.11E-03	9.39E-04	5.30E-03	4.30E-03	8.68E-04	8.33E-04	6.48E-04	4.25E-04
2277	562927.2	4234585	6.68E-03	5.96E-03	1.13E-03	9.55E-04	5.39E-03	4.37E-03	8.83E-04	8.47E-04	6.59E-04	4.33E-04
2278	562931.4	4234577	6.79E-03	6.06E-03	1.15E-03	9.71E-04	5.48E-03	4.44E-03	8.98E-04	8.62E-04	6.71E-04	4.40E-04
2279	562935.6	4234569	6.91E-03	6.16E-03	1.17E-03	9.88E-04	5.58E-03	4.52E-03	9.14E-04	8.77E-04	6.82E-04	4.48E-04
2280	562939.8	4234561	7.03E-03	6.27E-03	1.19E-03	1.01E-03	5.68E-03	4.60E-03	9.30E-04	8.92E-04	6.94E-04	4.56E-04
2281	562944	4234552	7.17E-03	6.39E-03	1.22E-03	1.02E-03	5.79E-03	4.69E-03	9.48E-04	9.09E-04	7.08E-04	4.64E-04
2282	562948.2	4234544	7.32E-03	6.53E-03	1.24E-03	1.05E-03	5.91E-03	4.79E-03	9.67E-04	9.28E-04	7.22E-04	4.74E-04
2283	562952.4	4234536	7.48E-03	6.67E-03	1.27E-03	1.07E-03	6.04E-03	4.90E-03	9.89E-04	9.49E-04	7.39E-04	4.85E-04
2284	562956.6	4234528	7.66E-03	6.84E-03	1.30E-03	1.10E-03	6.19E-03	5.01E-03	1.01E-03	9.72E-04	7.57E-04	4.97E-04
2285	562960.8	4234520	7.86E-03	7.01E-03	1.33E-03	1.12E-03	6.35E-03	5.14E-03	1.04E-03	9.97E-04	7.76E-04	5.09E-04
2286	562965.1	4234512	8.05E-03	7.18E-03	1.37E-03	1.15E-03	6.50E-03	5.27E-03	1.06E-03	1.02E-03	7.95E-04	5.22E-04
2287	562969.3	4234504	8.25E-03	7.36E-03	1.40E-03	1.18E-03	6.66E-03	5.40E-03	1.09E-03	1.05E-03	8.15E-04	5.35E-04
2288	562999.7	4234487	9.94E-03	8.87E-03	1.69E-03	1.42E-03	8.03E-03	6.51E-03	1.32E-03	1.26E-03	9.82E-04	6.45E-04
2289	563008.4	4234484	1.04E-02	9.25E-03	1.76E-03	1.48E-03	8.38E-03	6.79E-03	1.37E-03	1.32E-03	1.02E-03	6.72E-04
2290	563017.1	4234481	1.08E-02	9.60E-03	1.83E-03	1.54E-03	8.69E-03	7.05E-03	1.42E-03	1.37E-03	1.06E-03	6.98E-04
2291	563025.9	4234479	1.11E-02	9.91E-03	1.89E-03	1.59E-03	8.97E-03	7.27E-03	1.47E-03	1.41E-03	1.10E-03	7.20E-04
2292	563034.6	4234476	1.14E-02	1.02E-02	1.93E-03	1.63E-03	9.20E-03	7.46E-03	1.51E-03	1.45E-03	1.13E-03	7.39E-04
2293	563043.3	4234473	1.16E-02	1.03E-02	1.96E-03	1.65E-03	9.34E-03	7.57E-03	1.53E-03	1.47E-03	1.14E-03	7.49E-04
2294	563052	4234470	1.16E-02	1.04E-02	1.97E-03	1.66E-03	9.39E-03	7.61E-03	1.54E-03	1.47E-03	1.15E-03	7.53E-04
2295	563060.8	4234467	1.16E-02	1.03E-02	1.96E-03	1.66E-03	9.35E-03	7.58E-03	1.53E-03	1.47E-03	1.14E-03	7.50E-04
2296	563069.5	4234465	1.14E-02	1.01E-02	1.93E-03	1.63E-03	9.18E-03	7.44E-03	1.50E-03	1.44E-03	1.12E-03	7.37E-04
2297	563078.2	4234462	1.10E-02	9.83E-03	1.87E-03	1.58E-03	8.90E-03	7.21E-03	1.46E-03	1.40E-03	1.09E-03	7.14E-04
2298	563087	4234459	1.06E-02	9.42E-03	1.79E-03	1.51E-03	8.53E-03	6.91E-03	1.40E-03	1.34E-03	1.04E-03	6.85E-04
2299	563095.7	4234456	1.00E-02	8.94E-03	1.70E-03	1.43E-03	8.10E-03	6.56E-03	1.33E-03	1.27E-03	9.90E-04	6.50E-04
2300	562910.3	4234618	6.21E-03	5.54E-03	1.05E-03	8.88E-04	5.02E-03	4.07E-03	8.22E-04	7.88E-04	6.14E-04	4.03E-04
2301	562909.5	4234627	6.21E-03	5.54E-03	1.05E-03	8.88E-04	5.02E-03	4.06E-03	8.21E-04	7.88E-04	6.13E-04	4.03E-04
2302	562908.7	4234636	6.20E-03	5.53E-03	1.05E-03	8.86E-04	5.00E-03	4.05E-03	8.19E-04	7.86E-04	6.12E-04	4.01E-04
2303	562907.9	4234645	6.16E-03	5.50E-03	1.05E-03	8.81E-04	4.98E-03	4.03E-03	8.15E-04	7.82E-04	6.09E-04	3.99E-04
2304	562907.1	4234655	6.11E-03	5.45E-03	1.04E-03	8.74E-04	4.94E-03	4.00E-03	8.09E-04	7.76E-04	6.04E-04	3.96E-04
2305	562906.3	4234664	6.05E-03	5.40E-03	1.03E-03	8.66E-04	4.89E-03	3.96E-03	8.00E-04	7.68E-04	5.98E-04	3.92E-04
2306	562905.5	4234673	5.98E-03	5.33E-03	1.01E-03	8.55E-04	4.83E-03	3.91E-03	7.90E-04	7.58E-04	5.90E-04	3.87E-04
2307	562904.7	4234683	5.89E-03	5.25E-03	9.99E-04	8.42E-04	4.76E-03	3.85E-03	7.79E-04	7.47E-04	5.82E-04	3.82E-04
2308	562903.9	4234692	5.79E-03	5.17E-03	9.83E-04	8.28E-04	4.68E-03	3.79E-03	7.66E-04	7.35E-04	5.72E-04	3.75E-04
2309	562903.1	4234701	5.68E-03	5.07E-03	9.64E-04	8.12E-04	4.59E-03	3.72E-03	7.51E-04	7.21E-04	5.61E-04	3.68E-04
2310	562902.3	4234711	5.56E-03	4.96E-03	9.43E-04	7.95E-04	4.49E-03	3.64E-03	7.35E-04	7.05E-04	5.49E-04	3.60E-04
2311	562901.5	4234720	5.42E-03	4.84E-03	9.20E-04	7.75E-04	4.38E-03	3.55E-03	7.17E-04	6.88E-04	5.35E-04	3.51E-04
2312	562900.8	4234729	5.27E-03	4.70E-03	8.94E-04	7.54E-04	4.25E-03	3.45E-03	6.97E-04	6.69E-04	5.20E-04	3.41E-04
2313	562894.5	4234608	5.64E-03	5.03E-03	9.57E-04	8.07E-04	4.55E-03	3.69E-03	7.46E-04	7.16E-04	5.57E-04	3.65E-04
2314	562898.6	4234600	5.72E-03	5.10E-03	9.71E-04	8.18E-04	4.62E-03	3.74E-03	7.57E-04	7.26E-04	5.65E-04	3.71E-04
2315	562902.8	4234592	5.80E-03	5.18E-03	9.84E-04	8.30E-04	4.68E-03	3.80E-03	7.67E-04	7.36E-04	5.73E-04	3.76E-04
2316	562906.9	4234584	5.88E-03	5.25E-03	9.98E-04	8.41E-04	4.75E-03	3.85E-03	7.78E-04	7.46E-04	5.81E-04	3.81E-04
2317	562911	4234576	5.96E-03	5.32E-03	1.01E-03	8.53E-04	4.81E-03	3.90E-03	7.88E-04	7.56E-04	5.89E-04	3.86E-04
2318	562915.2	4234568	6.04E-03	5.39E-03	1.03E-03	8.64E-04	4.88E-03	3.96E-03	7.99E-04	7.67E-04	5.97E-04	3.92E-04
2319	562919.3	4234560	6.13E-03	5.47E-03	1.04E-03	8.77E-04	4.95E-03	4.01E-03	8.11E-04	7.78E-04	6.06E-04	3.97E-04
2320	562923.4	4234552	6.23E-03	5.56E-03	1.06E-03	8.91E-04	5.03E-03	4.08E-03	8.24E-04	7.90E-04	6.15E-04	4.04E-04
2321	562927.5	4234544	6.34E-03	5.65E-03	1.08E-03	9.06E-04	5.12E-03	4.15E-03	8.38E-04	8.04E-04	6.26E-04	4.11E-04
2322	562931.7	4234536	6.46E-03	5.76E-03	1.10E-03	9.24E-04	5.22E-03	4.23E-03	8.54E-04	8.20E-04	6.38E-04	4.19E-04
2323	562935.8	4234528	6.60E-03	5.89E-03	1.12E-03	9.44E-04	5.33E-03	4.32E-03	8.73E-04	8.37E-04	6.52E-04	4.28E-04
2324	562939.9	4234520	6.76E-03	6.03E-03	1.15E-03	9.66E-04	5.45E-03	4.42E-03	8.93E-04	8.57E-04	6.67E-04	4.38E-04
2325	562944.1	4234512	6.90E-03	6.15E-03	1.17E-03	9.86E-04	5.57E-03	4.51E-03	9.12E-04	8.75E-04	6.81E-04	4.47E-04
2326	562948.2	4234504	7.03E-03	6.27E-03	1.19E-03	1.01E-03	5.68E-03	4.60E-03	9.30E-04	8.92E-04	6.95E-04	4.56E-04
2327	562952.3	4234496	7.19E-03	6.42E-03	1.22E-03	1.03E-03	5.81E-03	4.71E-03	9.51E-04	9.13E-04	7.10E-04	4.66E-04
2328	562956.4	4234488	7.37E-03	6.57E-03	1.25E-03	1.05E-03	5.95E-03	4.82E-03	9.75E-04	9.35E-04	7.28E-04	4.78E-04
2329	562969.1	4234477	8.02E-03	7.15E-03	1.36E-03	1.15E-03	6.47E-03	5.25E-03	1.06E-03	1.02E-03	7.92E-04	5.20E-04
2330	562994.8	4234469	9.23E-03	8.23E-03	1.57E-03	1.32E-03	7.45E-03	6.04E-03	1.22E-03	1.17E-03	9.11E-04	5.98E-04
2331	563011.9	4234464	9.93E-03	8.85E-03	1.68E-03	1.42E-03	8.01E-03	6.50E-03	1.31E-03	1.26E-03	9.80E-04	6.43E-04
2332	563029	4234458	1.05E-02	9.39E-03	1.79E-03	1.51E-03	8.50E-03	6.89E-03	1.39E-03	1.34E-03	1.04E-03	6.82E-04
2333	563046.2	4234453	1.07E-02	9.53E-03	1.81E-03	1.53E-03	8.63E-03	6.99E-03	1.41E-03	1.36E-03	1.06E-03	6.93E-04
2334	563063.3	4234447	1.04E-02	9.30E-03	1.77E-03	1.49E-03	8.42E-03	6.82E-03	1.38E-03	1.32E-03	1.03E-03	6.76E-04
2335	563080.4	4234442	9.75E-03	8.69E-03	1.65E-03	1.39E-03	7.87E-03	6.38E-03	1.29E-03	1.24E-03	9.62E-04	6.32E-04
2336	563097.5	4234436	8.87E-03	7.92E-03	1.51E-03	1.27E-03	7.17E-03	5.81E-03	1.17E-03	1.13E-03	8.76E-04	5.75E-04
2337	562890.4	4234616	5.55E-03	4.96E-03	9.43E-04	7.94E-04	4.48E-03	3.63E-03	7.35E-04	7.05E-04	5.49E-04	3.60E-04
2338	562889.6	4234625	5.56E-03	4.96E-03	9.44E-04	7.96E-04	4.49E-03	3.64E-03	7.36E-04	7.06E-04	5.50E-04	3.61E-04
2339	562888.8	4234634	5.56E-03	4.96E-03	9.44E-04	7.95E-04	4.49E-03	3.64E-03	7.35E-04	7.06E-04	5.49E-04	3.60E-04
2340	562888	4234644	5.54E-03	4.95E-03	9.41E-04	7.93E-04	4.48E-03	3.63E-03	7.33E-04	7.03E-04	5.47E-04	3.59E-04
2341	562887.2	4234653	5.51E-03	4.92E-03	9.35E-04	7.88E-04	4.45E-03	3.61E-03	7.29E-04	6.99E-04	5.44E-04	3.57E-04

2342	562886.4	4234662	5.47E-03	4.88E-03	9.28E-04	7.82E-04	4.41E-03	3.58E-03	7.23E-04	6.94E-04	5.40E-04	3.54E-04
2343	562885.6	4234672	5.41E-03	4.83E-03	9.18E-04	7.74E-04	4.37E-03	3.54E-03	7.15E-04	6.86E-04	5.34E-04	3.51E-04
2344	562884.8	4234681	5.34E-03	4.76E-03	9.06E-04	7.64E-04	4.31E-03	3.49E-03	7.06E-04	6.78E-04	5.27E-04	3.46E-04
2345	562884	4234690	5.26E-03	4.69E-03	8.92E-04	7.52E-04	4.25E-03	3.44E-03	6.95E-04	6.67E-04	5.19E-04	3.41E-04
2346	562883.2	4234700	5.16E-03	4.60E-03	8.76E-04	7.38E-04	4.17E-03	3.38E-03	6.82E-04	6.55E-04	5.10E-04	3.34E-04
2347	562882.4	4234709	5.04E-03	4.50E-03	8.56E-04	7.21E-04	4.07E-03	3.30E-03	6.67E-04	6.40E-04	4.98E-04	3.27E-04
2348	562881.6	4234718	4.90E-03	4.37E-03	8.32E-04	7.01E-04	3.96E-03	3.21E-03	6.48E-04	6.22E-04	4.84E-04	3.18E-04
2349	562880.8	4234728	4.74E-03	4.23E-03	8.04E-04	6.78E-04	3.83E-03	3.10E-03	6.27E-04	6.02E-04	4.68E-04	3.07E-04
2350	562874.8	4234606	5.09E-03	4.54E-03	8.63E-04	7.27E-04	4.11E-03	3.33E-03	6.73E-04	6.45E-04	5.02E-04	3.30E-04
2351	562879	4234598	5.15E-03	4.59E-03	8.73E-04	7.36E-04	4.15E-03	3.37E-03	6.80E-04	6.53E-04	5.08E-04	3.33E-04
2352	562883.3	4234589	5.20E-03	4.64E-03	8.83E-04	7.44E-04	4.20E-03	3.40E-03	6.88E-04	6.60E-04	5.14E-04	3.37E-04
2353	562887.6	4234581	5.26E-03	4.69E-03	8.92E-04	7.52E-04	4.25E-03	3.44E-03	6.95E-04	6.67E-04	5.19E-04	3.41E-04
2354	562891.9	4234573	5.32E-03	4.74E-03	9.02E-04	7.60E-04	4.29E-03	3.48E-03	7.03E-04	6.75E-04	5.25E-04	3.45E-04
2355	562896.2	4234564	5.38E-03	4.80E-03	9.12E-04	7.69E-04	4.34E-03	3.52E-03	7.11E-04	6.82E-04	5.31E-04	3.48E-04
2356	562900.5	4234556	5.44E-03	4.85E-03	9.23E-04	7.78E-04	4.39E-03	3.56E-03	7.20E-04	6.90E-04	5.37E-04	3.53E-04
2357	562904.8	4234548	5.51E-03	4.92E-03	9.36E-04	7.89E-04	4.45E-03	3.61E-03	7.29E-04	7.00E-04	5.45E-04	3.57E-04
2358	562909.1	4234539	5.60E-03	4.99E-03	9.50E-04	8.01E-04	4.52E-03	3.66E-03	7.40E-04	7.10E-04	5.53E-04	3.63E-04
2359	562913.4	4234531	5.70E-03	5.08E-03	9.66E-04	8.15E-04	4.60E-03	3.73E-03	7.53E-04	7.23E-04	5.63E-04	3.69E-04
2360	562917.6	4234523	5.81E-03	5.18E-03	9.86E-04	8.31E-04	4.69E-03	3.80E-03	7.69E-04	7.37E-04	5.74E-04	3.77E-04
2361	562921.9	4234515	5.93E-03	5.29E-03	1.01E-03	8.49E-04	4.79E-03	3.88E-03	7.85E-04	7.53E-04	5.86E-04	3.85E-04
2362	562926.2	4234506	6.03E-03	5.38E-03	1.02E-03	8.63E-04	4.87E-03	3.95E-03	7.98E-04	7.66E-04	5.96E-04	3.91E-04
2363	562930.5	4234498	6.15E-03	5.48E-03	1.04E-03	8.79E-04	4.96E-03	4.02E-03	8.13E-04	7.80E-04	6.07E-04	3.98E-04
2364	562934.8	4234490	6.27E-03	5.60E-03	1.06E-03	8.97E-04	5.07E-03	4.11E-03	8.30E-04	7.96E-04	6.20E-04	4.07E-04
2365	562939.1	4234481	6.43E-03	5.74E-03	1.09E-03	9.20E-04	5.19E-03	4.21E-03	8.51E-04	8.16E-04	6.35E-04	4.17E-04
2366	562943.4	4234473	6.62E-03	5.90E-03	1.12E-03	9.46E-04	5.34E-03	4.33E-03	8.75E-04	8.40E-04	6.53E-04	4.29E-04
2367	562956.6	4234462	7.21E-03	6.43E-03	1.22E-03	1.03E-03	5.82E-03	4.72E-03	9.53E-04	9.15E-04	7.12E-04	4.67E-04
2368	562965.4	4234459	7.60E-03	6.78E-03	1.29E-03	1.09E-03	6.14E-03	4.98E-03	1.01E-03	9.65E-04	7.51E-04	4.93E-04
2369	562992.1	4234451	8.70E-03	7.76E-03	1.48E-03	1.24E-03	7.03E-03	5.69E-03	1.15E-03	1.10E-03	8.59E-04	5.64E-04
2370	563001	4234448	9.01E-03	8.04E-03	1.53E-03	1.29E-03	7.27E-03	5.90E-03	1.19E-03	1.14E-03	8.90E-04	5.84E-04
2371	563009.9	4234445	9.30E-03	8.30E-03	1.58E-03	1.33E-03	7.51E-03	6.09E-03	1.23E-03	1.18E-03	9.19E-04	6.03E-04
2372	563018.8	4234442	9.54E-03	8.51E-03	1.62E-03	1.36E-03	7.70E-03	6.24E-03	1.26E-03	1.21E-03	9.42E-04	6.18E-04
2373	563027.7	4234439	9.69E-03	8.65E-03	1.64E-03	1.39E-03	7.83E-03	6.34E-03	1.28E-03	1.23E-03	9.57E-04	6.28E-04
2374	563036.6	4234436	9.74E-03	8.69E-03	1.65E-03	1.39E-03	7.87E-03	6.37E-03	1.29E-03	1.24E-03	9.62E-04	6.31E-04
2375	563045.5	4234434	9.68E-03	8.64E-03	1.64E-03	1.38E-03	7.82E-03	6.33E-03	1.28E-03	1.23E-03	9.56E-04	6.27E-04
2376	563054.4	4234431	9.54E-03	8.51E-03	1.62E-03	1.36E-03	7.70E-03	6.24E-03	1.26E-03	1.21E-03	9.42E-04	6.18E-04
2377	563063.3	4234428	9.32E-03	8.31E-03	1.58E-03	1.33E-03	7.53E-03	6.10E-03	1.23E-03	1.18E-03	9.20E-04	6.04E-04
2378	563072.1	4234425	9.04E-03	8.07E-03	1.53E-03	1.29E-03	7.30E-03	5.92E-03	1.20E-03	1.15E-03	8.93E-04	5.86E-04
2379	563081	4234422	8.72E-03	7.78E-03	1.48E-03	1.25E-03	7.04E-03	5.71E-03	1.15E-03	1.11E-03	8.61E-04	5.65E-04
2380	563089.9	4234419	8.35E-03	7.45E-03	1.42E-03	1.19E-03	6.74E-03	5.46E-03	1.10E-03	1.06E-03	8.25E-04	5.41E-04
2381	563098.8	4234416	7.90E-03	7.05E-03	1.34E-03	1.13E-03	6.38E-03	5.17E-03	1.04E-03	1.00E-03	7.80E-04	5.12E-04
2382	562870.5	4234614	5.02E-03	4.48E-03	8.53E-04	7.19E-04	4.06E-03	3.29E-03	6.64E-04	6.38E-04	4.96E-04	3.26E-04
2383	562869.7	4234623	5.04E-03	4.50E-03	8.55E-04	7.21E-04	4.07E-03	3.30E-03	6.67E-04	6.40E-04	4.98E-04	3.27E-04
2384	562868.9	4234633	5.05E-03	4.50E-03	8.56E-04	7.22E-04	4.08E-03	3.30E-03	6.67E-04	6.40E-04	4.98E-04	3.27E-04
2385	562868.1	4234642	5.04E-03	4.50E-03	8.55E-04	7.21E-04	4.07E-03	3.30E-03	6.66E-04	6.40E-04	4.98E-04	3.27E-04
2386	562867.3	4234651	5.02E-03	4.48E-03	8.52E-04	7.18E-04	4.05E-03	3.28E-03	6.64E-04	6.37E-04	4.96E-04	3.25E-04
2387	562866.5	4234661	4.99E-03	4.45E-03	8.46E-04	7.13E-04	4.03E-03	3.26E-03	6.59E-04	6.33E-04	4.92E-04	3.23E-04
2388	562865.7	4234670	4.94E-03	4.41E-03	8.38E-04	7.07E-04	3.99E-03	3.23E-03	6.53E-04	6.27E-04	4.88E-04	3.20E-04
2389	562864.9	4234679	4.88E-03	4.36E-03	8.28E-04	6.98E-04	3.94E-03	3.19E-03	6.46E-04	6.19E-04	4.82E-04	3.16E-04
2390	562864.1	4234689	4.81E-03	4.29E-03	8.16E-04	6.88E-04	3.88E-03	3.15E-03	6.36E-04	6.10E-04	4.75E-04	3.12E-04
2391	562863.3	4234698	4.70E-03	4.20E-03	7.98E-04	6.73E-04	3.80E-03	3.08E-03	6.22E-04	5.97E-04	4.65E-04	3.05E-04
2392	562862.5	4234707	4.50E-03	4.02E-03	7.64E-04	6.44E-04	3.63E-03	2.95E-03	5.95E-04	5.71E-04	4.45E-04	2.92E-04
2393	562861.7	4234717	4.29E-03	3.83E-03	7.28E-04	6.14E-04	3.46E-03	2.81E-03	5.67E-04	5.44E-04	4.24E-04	2.78E-04
2394	562860.9	4234726	4.08E-03	3.64E-03	6.92E-04	5.83E-04	3.29E-03	2.67E-03	5.39E-04	5.17E-04	4.03E-04	2.64E-04
2395	562854.7	4234604	4.63E-03	4.13E-03	7.86E-04	6.62E-04	3.74E-03	3.03E-03	6.13E-04	5.88E-04	4.57E-04	3.00E-04
2396	562859	4234596	4.67E-03	4.17E-03	7.93E-04	6.68E-04	3.77E-03	3.06E-03	6.18E-04	5.93E-04	4.61E-04	3.03E-04
2397	562863.2	4234588	4.71E-03	4.20E-03	7.99E-04	6.73E-04	3.80E-03	3.08E-03	6.23E-04	5.97E-04	4.65E-04	3.05E-04
2398	562867.4	4234580	4.74E-03	4.23E-03	8.05E-04	6.78E-04	3.83E-03	3.10E-03	6.27E-04	6.02E-04	4.68E-04	3.07E-04
2399	562871.6	4234572	4.78E-03	4.26E-03	8.11E-04	6.83E-04	3.86E-03	3.13E-03	6.32E-04	6.06E-04	4.72E-04	3.10E-04
2400	562875.8	4234564	4.82E-03	4.30E-03	8.17E-04	6.89E-04	3.89E-03	3.15E-03	6.37E-04	6.11E-04	4.76E-04	3.12E-04
2401	562880	4234555	4.86E-03	4.33E-03	8.24E-04	6.94E-04	3.92E-03	3.18E-03	6.42E-04	6.16E-04	4.80E-04	3.15E-04
2402	562884.2	4234547	4.90E-03	4.37E-03	8.32E-04	7.01E-04	3.96E-03	3.21E-03	6.48E-04	6.22E-04	4.84E-04	3.18E-04
2403	562888.4	4234539	4.96E-03	4.42E-03	8.41E-04	7.09E-04	4.00E-03	3.24E-03	6.55E-04	6.29E-04	4.89E-04	3.21E-04
2404	562892.6	4234531	5.02E-03	4.48E-03	8.52E-04	7.18E-04	4.05E-03	3.29E-03	6.64E-04	6.37E-04	4.96E-04	3.25E-04
2405	562896.9	4234523	5.10E-03	4.55E-03	8.65E-04	7.29E-04	4.12E-03	3.34E-03	6.74E-04	6.47E-04	5.03E-04	3.30E-04
2406	562901.1	4234515	5.18E-03	4.62E-03	8.80E-04	7.41E-04	4.19E-03	3.39E-03	6.86E-04	6.58E-04	5.12E-04	3.36E-04
2407	562905.3	4234507	5.25E-03	4.69E-03	8.91E-04	7.51E-04	4.24E-03	3.44E-03	6.95E-04	6.66E-04	5.19E-04	3.40E-04
2408	562909.5	4234498	5.34E-03	4.76E-03	9.05E-04	7.63E-04	4.31E-03	3.49E-03	7.06E-04	6.77E-04	5.27E-04	3.46E-04

2409	562913.7	4234490	5.43E-03	4.85E-03	9.22E-04	7.77E-04	4.39E-03	3.55E-03	7.18E-04	6.89E-04	5.37E-04	3.52E-04
2410	562917.9	4234482	5.56E-03	4.96E-03	9.44E-04	7.96E-04	4.49E-03	3.64E-03	7.36E-04	7.06E-04	5.50E-04	3.61E-04
2411	562922.1	4234474	5.73E-03	5.11E-03	9.72E-04	8.19E-04	4.62E-03	3.75E-03	7.57E-04	7.27E-04	5.65E-04	3.71E-04
2412	562926.3	4234466	5.89E-03	5.26E-03	1.00E-03	8.43E-04	4.76E-03	3.86E-03	7.79E-04	7.48E-04	5.82E-04	3.82E-04
2413	562930.5	4234458	6.06E-03	5.41E-03	1.03E-03	8.67E-04	4.89E-03	3.97E-03	8.01E-04	7.69E-04	5.99E-04	3.93E-04
2414	562943.5	4234447	6.57E-03	5.87E-03	1.12E-03	9.40E-04	5.31E-03	4.30E-03	8.69E-04	8.34E-04	6.49E-04	4.26E-04
2415	562952.2	4234444	6.93E-03	6.18E-03	1.18E-03	9.91E-04	5.59E-03	4.53E-03	9.16E-04	8.79E-04	6.84E-04	4.49E-04
2416	562960.9	4234441	7.28E-03	6.49E-03	1.24E-03	1.04E-03	5.88E-03	4.76E-03	9.63E-04	9.24E-04	7.19E-04	4.72E-04
2417	562987.1	4234433	8.23E-03	7.34E-03	1.40E-03	1.18E-03	6.65E-03	5.39E-03	1.09E-03	1.04E-03	8.13E-04	5.34E-04
2418	562995.9	4234430	8.49E-03	7.57E-03	1.44E-03	1.21E-03	6.85E-03	5.55E-03	1.12E-03	1.08E-03	8.38E-04	5.50E-04
2419	563004.6	4234427	8.70E-03	7.76E-03	1.48E-03	1.24E-03	7.02E-03	5.69E-03	1.15E-03	1.10E-03	8.59E-04	5.64E-04
2420	563013.3	4234424	8.85E-03	7.90E-03	1.50E-03	1.27E-03	7.15E-03	5.79E-03	1.17E-03	1.12E-03	8.74E-04	5.74E-04
2421	563022.1	4234422	8.95E-03	7.98E-03	1.52E-03	1.28E-03	7.23E-03	5.86E-03	1.18E-03	1.14E-03	8.84E-04	5.80E-04
2422	563030.8	4234419	8.98E-03	8.01E-03	1.52E-03	1.28E-03	7.25E-03	5.88E-03	1.19E-03	1.14E-03	8.87E-04	5.82E-04
2423	563039.5	4234416	8.94E-03	7.97E-03	1.52E-03	1.28E-03	7.22E-03	5.85E-03	1.18E-03	1.13E-03	8.83E-04	5.79E-04
2424	563048.2	4234413	8.83E-03	7.88E-03	1.50E-03	1.26E-03	7.13E-03	5.78E-03	1.17E-03	1.12E-03	8.72E-04	5.72E-04
2425	563057	4234410	8.66E-03	7.72E-03	1.47E-03	1.24E-03	6.99E-03	5.67E-03	1.15E-03	1.10E-03	8.55E-04	5.61E-04
2426	563065.7	4234408	8.43E-03	7.52E-03	1.43E-03	1.21E-03	6.80E-03	5.51E-03	1.11E-03	1.07E-03	8.32E-04	5.46E-04
2427	563074.4	4234405	8.14E-03	7.26E-03	1.38E-03	1.16E-03	6.57E-03	5.33E-03	1.08E-03	1.03E-03	8.04E-04	5.28E-04
2428	563083.2	4234402	7.82E-03	6.97E-03	1.33E-03	1.12E-03	6.31E-03	5.11E-03	1.03E-03	9.92E-04	7.72E-04	5.07E-04
2429	563091.9	4234399	7.46E-03	6.65E-03	1.27E-03	1.07E-03	6.02E-03	4.88E-03	9.86E-04	9.46E-04	7.36E-04	4.83E-04
2430	563100.6	4234396	7.03E-03	6.27E-03	1.19E-03	1.01E-03	5.68E-03	4.60E-03	9.30E-04	8.92E-04	6.94E-04	4.56E-04
2431	562850.5	4234612	4.59E-03	4.09E-03	7.79E-04	6.56E-04	3.71E-03	3.00E-03	6.07E-04	5.82E-04	4.53E-04	2.97E-04
2432	562849.7	4234622	4.61E-03	4.11E-03	7.83E-04	6.60E-04	3.72E-03	3.02E-03	6.10E-04	5.85E-04	4.55E-04	2.99E-04
2433	562848.9	4234631	4.62E-03	4.12E-03	7.84E-04	6.61E-04	3.73E-03	3.03E-03	6.11E-04	5.87E-04	4.57E-04	3.00E-04
2434	562848.1	4234640	4.61E-03	4.11E-03	7.82E-04	6.59E-04	3.72E-03	3.02E-03	6.10E-04	5.85E-04	4.55E-04	2.99E-04
2435	562847.3	4234650	4.57E-03	4.07E-03	7.75E-04	6.53E-04	3.69E-03	2.99E-03	6.04E-04	5.79E-04	4.51E-04	2.96E-04
2436	562846.6	4234659	4.50E-03	4.01E-03	7.64E-04	6.44E-04	3.63E-03	2.94E-03	5.95E-04	5.71E-04	4.44E-04	2.92E-04
2437	562845.8	4234668	4.43E-03	3.95E-03	7.51E-04	6.33E-04	3.57E-03	2.90E-03	5.85E-04	5.62E-04	4.37E-04	2.87E-04
2438	562845	4234678	4.36E-03	3.89E-03	7.40E-04	6.24E-04	3.52E-03	2.86E-03	5.77E-04	5.54E-04	4.31E-04	2.83E-04
2439	562844.2	4234687	4.29E-03	3.83E-03	7.28E-04	6.13E-04	3.46E-03	2.81E-03	5.67E-04	5.44E-04	4.24E-04	2.78E-04
2440	562843.4	4234696	4.20E-03	3.75E-03	7.13E-04	6.01E-04	3.39E-03	2.75E-03	5.56E-04	5.33E-04	4.15E-04	2.72E-04
2441	562842.6	4234706	4.03E-03	3.59E-03	6.83E-04	5.76E-04	3.25E-03	2.63E-03	5.32E-04	5.11E-04	3.98E-04	2.61E-04
2442	562841.8	4234715	3.86E-03	3.44E-03	6.54E-04	5.51E-04	3.11E-03	2.52E-03	5.10E-04	4.89E-04	3.81E-04	2.50E-04
2443	562841	4234724	3.69E-03	3.29E-03	6.26E-04	5.28E-04	2.98E-03	2.41E-03	4.88E-04	4.68E-04	3.64E-04	2.39E-04
2444	562834.8	4234603	4.26E-03	3.80E-03	7.22E-04	6.09E-04	3.44E-03	2.79E-03	5.63E-04	5.40E-04	4.20E-04	2.76E-04
2445	562838.9	4234595	4.28E-03	3.82E-03	7.26E-04	6.12E-04	3.46E-03	2.80E-03	5.66E-04	5.43E-04	4.23E-04	2.77E-04
2446	562843.1	4234587	4.30E-03	3.84E-03	7.30E-04	6.15E-04	3.47E-03	2.82E-03	5.69E-04	5.46E-04	4.25E-04	2.79E-04
2447	562847.2	4234579	4.32E-03	3.86E-03	7.34E-04	6.18E-04	3.49E-03	2.83E-03	5.72E-04	5.49E-04	4.27E-04	2.80E-04
2448	562851.3	4234571	4.34E-03	3.87E-03	7.37E-04	6.21E-04	3.51E-03	2.84E-03	5.74E-04	5.51E-04	4.29E-04	2.81E-04
2449	562855.5	4234563	4.36E-03	3.89E-03	7.40E-04	6.24E-04	3.52E-03	2.86E-03	5.77E-04	5.54E-04	4.31E-04	2.83E-04
2450	562859.6	4234555	4.39E-03	3.91E-03	7.44E-04	6.27E-04	3.54E-03	2.87E-03	5.80E-04	5.56E-04	4.33E-04	2.84E-04
2451	562863.8	4234547	4.41E-03	3.93E-03	7.48E-04	6.31E-04	3.56E-03	2.89E-03	5.83E-04	5.60E-04	4.36E-04	2.86E-04
2452	562867.9	4234539	4.44E-03	3.96E-03	7.54E-04	6.35E-04	3.59E-03	2.91E-03	5.87E-04	5.64E-04	4.39E-04	2.88E-04
2453	562872.1	4234530	4.48E-03	4.00E-03	7.60E-04	6.41E-04	3.62E-03	2.93E-03	5.93E-04	5.69E-04	4.43E-04	2.90E-04
2454	562876.2	4234522	4.53E-03	4.04E-03	7.69E-04	6.48E-04	3.66E-03	2.96E-03	5.99E-04	5.75E-04	4.47E-04	2.94E-04
2455	562880.4	4234514	4.58E-03	4.09E-03	7.78E-04	6.55E-04	3.70E-03	3.00E-03	6.06E-04	5.81E-04	4.53E-04	2.97E-04
2456	562884.5	4234506	4.62E-03	4.12E-03	7.84E-04	6.61E-04	3.73E-03	3.02E-03	6.11E-04	5.86E-04	4.56E-04	3.00E-04
2457	562888.7	4234498	4.68E-03	4.17E-03	7.94E-04	6.69E-04	3.78E-03	3.06E-03	6.18E-04	5.93E-04	4.62E-04	3.03E-04
2458	562892.8	4234490	4.75E-03	4.23E-03	8.05E-04	6.79E-04	3.83E-03	3.11E-03	6.28E-04	6.02E-04	4.69E-04	3.08E-04
2459	562897	4234482	4.85E-03	4.32E-03	8.22E-04	6.93E-04	3.91E-03	3.17E-03	6.41E-04	6.15E-04	4.79E-04	3.14E-04
2460	562901.1	4234474	4.98E-03	4.44E-03	8.45E-04	7.12E-04	4.02E-03	3.26E-03	6.58E-04	6.32E-04	4.92E-04	3.23E-04
2461	562905.3	4234466	5.12E-03	4.57E-03	8.69E-04	7.32E-04	4.13E-03	3.35E-03	6.77E-04	6.50E-04	5.06E-04	3.32E-04
2462	562909.4	4234458	5.27E-03	4.70E-03	8.94E-04	7.53E-04	4.25E-03	3.45E-03	6.97E-04	6.68E-04	5.20E-04	3.41E-04
2463	562913.5	4234450	5.42E-03	4.84E-03	9.20E-04	7.75E-04	4.38E-03	3.55E-03	7.17E-04	6.88E-04	5.35E-04	3.51E-04
2464	562917.7	4234442	5.57E-03	4.97E-03	9.46E-04	7.97E-04	4.50E-03	3.65E-03	7.37E-04	7.07E-04	5.50E-04	3.61E-04
2465	562930.4	4234432	6.04E-03	5.38E-03	1.02E-03	8.63E-04	4.87E-03	3.95E-03	7.98E-04	7.66E-04	5.96E-04	3.91E-04
2466	562947.6	4234426	6.67E-03	5.95E-03	1.13E-03	9.54E-04	5.38E-03	4.36E-03	8.82E-04	8.46E-04	6.58E-04	4.32E-04
2467	562982	4234415	7.79E-03	6.95E-03	1.32E-03	1.11E-03	6.29E-03	5.10E-03	1.03E-03	9.89E-04	7.70E-04	5.05E-04
2468	562999.2	4234410	8.18E-03	7.30E-03	1.39E-03	1.17E-03	6.60E-03	5.35E-03	1.08E-03	1.04E-03	8.08E-04	5.30E-04
2469	563007.8	4234407	8.30E-03	7.41E-03	1.41E-03	1.19E-03	6.70E-03	5.43E-03	1.10E-03	1.05E-03	8.20E-04	5.38E-04
2470	563025	4234401	8.39E-03	7.48E-03	1.42E-03	1.20E-03	6.77E-03	5.49E-03	1.11E-03	1.06E-03	8.28E-04	5.43E-04
2471	563042.2	4234396	8.24E-03	7.35E-03	1.40E-03	1.18E-03	6.65E-03	5.39E-03	1.09E-03	1.05E-03	8.14E-04	5.34E-04
2472	563059.4	4234390	7.87E-03	7.02E-03	1.34E-03	1.13E-03	6.36E-03	5.15E-03	1.04E-03	9.99E-04	7.78E-04	5.10E-04
2473	563076.6	4234385	7.33E-03	6.54E-03	1.24E-03	1.05E-03	5.92E-03	4.80E-03	9.70E-04	9.30E-04	7.24E-04	4.75E-04
2474	563093.8	4234379	6.68E-03	5.96E-03	1.13E-03	9.55E-04	5.39E-03	4.37E-03	8.83E-04	8.47E-04	6.59E-04	4.33E-04
2475	562830.6	4234611	4.23E-03	3.77E-03	7.17E-04	6.05E-04	3.41E-03	2.77E-03	5.59E-04	5.36E-04	4.18E-04	2.74E-04

2476	562829.8	4234620	4.25E-03	3.79E-03	7.21E-04	6.08E-04	3.43E-03	2.78E-03	5.62E-04	5.40E-04	4.20E-04	2.76E-04
2477	562829	4234629	4.27E-03	3.81E-03	7.24E-04	6.10E-04	3.44E-03	2.79E-03	5.64E-04	5.41E-04	4.21E-04	2.76E-04
2478	562828.2	4234639	4.24E-03	3.78E-03	7.20E-04	6.06E-04	3.42E-03	2.78E-03	5.61E-04	5.38E-04	4.19E-04	2.75E-04
2479	562827.4	4234648	4.12E-03	3.68E-03	6.99E-04	5.89E-04	3.33E-03	2.70E-03	5.45E-04	5.23E-04	4.07E-04	2.67E-04
2480	562826.6	4234657	3.99E-03	3.56E-03	6.78E-04	5.71E-04	3.22E-03	2.61E-03	5.28E-04	5.07E-04	3.94E-04	2.59E-04
2481	562825.8	4234667	3.87E-03	3.45E-03	6.56E-04	5.53E-04	3.12E-03	2.53E-03	5.12E-04	4.91E-04	3.82E-04	2.51E-04
2482	562825	4234676	3.82E-03	3.40E-03	6.48E-04	5.46E-04	3.08E-03	2.50E-03	5.05E-04	4.84E-04	3.77E-04	2.47E-04
2483	562824.2	4234685	3.75E-03	3.35E-03	6.37E-04	5.37E-04	3.03E-03	2.46E-03	4.96E-04	4.76E-04	3.71E-04	2.43E-04
2484	562823.4	4234695	3.68E-03	3.28E-03	6.24E-04	5.26E-04	2.97E-03	2.41E-03	4.87E-04	4.67E-04	3.63E-04	2.38E-04
2485	562822.6	4234704	3.60E-03	3.21E-03	6.11E-04	5.15E-04	2.91E-03	2.36E-03	4.76E-04	4.57E-04	3.56E-04	2.33E-04
2486	562821.8	4234713	3.51E-03	3.13E-03	5.96E-04	5.02E-04	2.83E-03	2.30E-03	4.64E-04	4.46E-04	3.47E-04	2.28E-04
2487	562821	4234722	3.41E-03	3.05E-03	5.79E-04	4.88E-04	2.76E-03	2.23E-03	4.52E-04	4.33E-04	3.37E-04	2.21E-04
2488	562815	4234601	3.86E-03	3.44E-03	6.54E-04	5.51E-04	3.11E-03	2.52E-03	5.10E-04	4.89E-04	3.81E-04	2.50E-04
2489	562819.2	4234592	3.93E-03	3.50E-03	6.66E-04	5.62E-04	3.17E-03	2.57E-03	5.19E-04	4.98E-04	3.88E-04	2.55E-04
2490	562823.5	4234584	3.97E-03	3.54E-03	6.73E-04	5.68E-04	3.20E-03	2.60E-03	5.25E-04	5.04E-04	3.92E-04	2.57E-04
2491	562827.8	4234576	3.98E-03	3.55E-03	6.75E-04	5.69E-04	3.21E-03	2.60E-03	5.26E-04	5.05E-04	3.93E-04	2.58E-04
2492	562832	4234568	3.99E-03	3.56E-03	6.76E-04	5.70E-04	3.22E-03	2.61E-03	5.27E-04	5.06E-04	3.94E-04	2.58E-04
2493	562836.3	4234559	4.00E-03	3.56E-03	6.78E-04	5.71E-04	3.23E-03	2.61E-03	5.28E-04	5.07E-04	3.95E-04	2.59E-04
2494	562840.6	4234551	4.00E-03	3.57E-03	6.80E-04	5.73E-04	3.23E-03	2.62E-03	5.30E-04	5.08E-04	3.96E-04	2.60E-04
2495	562844.9	4234543	4.01E-03	3.58E-03	6.81E-04	5.74E-04	3.24E-03	2.63E-03	5.31E-04	5.09E-04	3.96E-04	2.60E-04
2496	562849.1	4234535	4.03E-03	3.59E-03	6.83E-04	5.76E-04	3.25E-03	2.64E-03	5.33E-04	5.11E-04	3.98E-04	2.61E-04
2497	562853.4	4234526	4.06E-03	3.62E-03	6.88E-04	5.80E-04	3.28E-03	2.65E-03	5.36E-04	5.15E-04	4.01E-04	2.63E-04
2498	562857.7	4234518	4.09E-03	3.65E-03	6.94E-04	5.85E-04	3.30E-03	2.68E-03	5.41E-04	5.19E-04	4.04E-04	2.65E-04
2499	562861.9	4234510	4.11E-03	3.66E-03	6.97E-04	5.88E-04	3.32E-03	2.69E-03	5.43E-04	5.21E-04	4.06E-04	2.66E-04
2500	562866.2	4234502	4.13E-03	3.69E-03	7.01E-04	5.91E-04	3.34E-03	2.70E-03	5.46E-04	5.24E-04	4.08E-04	2.68E-04
2501	562870.5	4234493	4.17E-03	3.72E-03	7.08E-04	5.96E-04	3.37E-03	2.73E-03	5.52E-04	5.29E-04	4.12E-04	2.70E-04
2502	562874.8	4234485	4.23E-03	3.77E-03	7.18E-04	6.05E-04	3.41E-03	2.77E-03	5.59E-04	5.37E-04	4.18E-04	2.74E-04
2503	562879	4234477	4.33E-03	3.86E-03	7.35E-04	6.19E-04	3.50E-03	2.83E-03	5.73E-04	5.49E-04	4.28E-04	2.81E-04
2504	562883.3	4234469	4.44E-03	3.96E-03	7.54E-04	6.35E-04	3.59E-03	2.91E-03	5.88E-04	5.64E-04	4.39E-04	2.88E-04
2505	562887.6	4234460	4.57E-03	4.08E-03	7.75E-04	6.54E-04	3.69E-03	2.99E-03	6.04E-04	5.80E-04	4.51E-04	2.96E-04
2506	562891.8	4234452	4.71E-03	4.20E-03	7.98E-04	6.73E-04	3.80E-03	3.08E-03	6.22E-04	5.97E-04	4.65E-04	3.05E-04
2507	562896.1	4234444	4.85E-03	4.32E-03	8.23E-04	6.93E-04	3.91E-03	3.17E-03	6.41E-04	6.15E-04	4.79E-04	3.14E-04
2508	562900.4	4234436	4.99E-03	4.45E-03	8.47E-04	7.14E-04	4.03E-03	3.27E-03	6.60E-04	6.34E-04	4.93E-04	3.24E-04
2509	562904.7	4234427	5.14E-03	4.58E-03	8.72E-04	7.35E-04	4.15E-03	3.36E-03	6.80E-04	6.52E-04	5.08E-04	3.33E-04
2510	562917.8	4234416	5.57E-03	4.97E-03	9.46E-04	7.97E-04	4.50E-03	3.65E-03	7.37E-04	7.07E-04	5.51E-04	3.61E-04
2511	562926.6	4234413	5.87E-03	5.24E-03	9.96E-04	8.40E-04	4.74E-03	3.84E-03	7.76E-04	7.45E-04	5.80E-04	3.80E-04
2512	562935.5	4234410	6.17E-03	5.50E-03	1.05E-03	8.82E-04	4.98E-03	4.04E-03	8.16E-04	7.83E-04	6.09E-04	4.00E-04
2513	562944.4	4234408	6.46E-03	5.76E-03	1.10E-03	9.24E-04	5.21E-03	4.23E-03	8.54E-04	8.19E-04	6.38E-04	4.19E-04
2514	562953.2	4234405	6.74E-03	6.01E-03	1.14E-03	9.64E-04	5.44E-03	4.41E-03	8.91E-04	8.55E-04	6.66E-04	4.37E-04
2515	562979.8	4234396	7.45E-03	6.65E-03	1.26E-03	1.07E-03	6.02E-03	4.88E-03	9.85E-04	9.45E-04	7.36E-04	4.83E-04
2516	562988.6	4234393	7.62E-03	6.80E-03	1.29E-03	1.09E-03	6.15E-03	4.99E-03	1.01E-03	9.67E-04	7.53E-04	4.94E-04
2517	562997.5	4234391	7.75E-03	6.91E-03	1.32E-03	1.11E-03	6.26E-03	5.07E-03	1.02E-03	9.83E-04	7.65E-04	5.02E-04
2518	563006.4	4234388	7.83E-03	6.99E-03	1.33E-03	1.12E-03	6.32E-03	5.12E-03	1.04E-03	9.94E-04	7.73E-04	5.08E-04
2519	563015.2	4234385	7.86E-03	7.01E-03	1.33E-03	1.12E-03	6.35E-03	5.14E-03	1.04E-03	9.97E-04	7.76E-04	5.09E-04
2520	563024.1	4234382	7.83E-03	6.99E-03	1.33E-03	1.12E-03	6.32E-03	5.13E-03	1.04E-03	9.94E-04	7.74E-04	5.08E-04
2521	563032.9	4234379	7.75E-03	6.92E-03	1.32E-03	1.11E-03	6.26E-03	5.07E-03	1.03E-03	9.84E-04	7.66E-04	5.02E-04
2522	563041.8	4234376	7.62E-03	6.80E-03	1.29E-03	1.09E-03	6.15E-03	4.99E-03	1.01E-03	9.67E-04	7.53E-04	4.94E-04
2523	563050.6	4234374	7.44E-03	6.64E-03	1.26E-03	1.06E-03	6.01E-03	4.87E-03	9.84E-04	9.44E-04	7.35E-04	4.82E-04
2524	563059.5	4234371	7.21E-03	6.43E-03	1.22E-03	1.03E-03	5.82E-03	4.72E-03	9.54E-04	9.15E-04	7.12E-04	4.67E-04
2525	563068.4	4234368	6.95E-03	6.20E-03	1.18E-03	9.94E-04	5.61E-03	4.55E-03	9.19E-04	8.82E-04	6.87E-04	4.51E-04
2526	563077.2	4234365	6.66E-03	5.94E-03	1.13E-03	9.53E-04	5.38E-03	4.36E-03	8.81E-04	8.45E-04	6.58E-04	4.32E-04
2527	563086.1	4234362	6.35E-03	5.66E-03	1.08E-03	9.08E-04	5.13E-03	4.15E-03	8.40E-04	8.06E-04	6.27E-04	4.11E-04
2528	563094.9	4234359	6.02E-03	5.37E-03	1.02E-03	8.61E-04	4.86E-03	3.94E-03	7.96E-04	7.64E-04	5.94E-04	3.90E-04
2529	563103.8	4234357	5.65E-03	5.04E-03	9.58E-04	8.08E-04	4.56E-03	3.69E-03	7.47E-04	7.16E-04	5.58E-04	3.66E-04
2530	562810.7	4234609	3.77E-03	3.36E-03	6.39E-04	5.39E-04	3.04E-03	2.47E-03	4.98E-04	4.78E-04	3.72E-04	2.44E-04
2531	562809.9	4234618	3.78E-03	3.37E-03	6.42E-04	5.41E-04	3.05E-03	2.47E-03	5.00E-04	4.80E-04	3.74E-04	2.45E-04
2532	562809.1	4234628	3.79E-03	3.38E-03	6.43E-04	5.42E-04	3.06E-03	2.48E-03	5.01E-04	4.81E-04	3.74E-04	2.45E-04
2533	562808.3	4234637	3.78E-03	3.37E-03	6.41E-04	5.40E-04	3.05E-03	2.47E-03	5.00E-04	4.79E-04	3.73E-04	2.45E-04
2534	562807.5	4234646	3.72E-03	3.32E-03	6.31E-04	5.32E-04	3.00E-03	2.43E-03	4.92E-04	4.72E-04	3.67E-04	2.41E-04
2535	562806.7	4234656	3.65E-03	3.26E-03	6.20E-04	5.22E-04	2.95E-03	2.39E-03	4.83E-04	4.63E-04	3.61E-04	2.37E-04
2536	562805.9	4234665	3.59E-03	3.20E-03	6.08E-04	5.13E-04	2.90E-03	2.35E-03	4.74E-04	4.55E-04	3.54E-04	2.32E-04
2537	562805.1	4234674	3.54E-03	3.16E-03	6.00E-04	5.06E-04	2.86E-03	2.32E-03	4.68E-04	4.49E-04	3.49E-04	2.29E-04
2538	562804.3	4234684	3.48E-03	3.11E-03	5.91E-04	4.98E-04	2.81E-03	2.28E-03	4.61E-04	4.42E-04	3.44E-04	2.26E-04
2539	562803.5	4234693	3.42E-03	3.05E-03	5.80E-04	4.89E-04	2.76E-03	2.24E-03	4.52E-04	4.34E-04	3.37E-04	2.21E-04
2540	562802.7	4234702	3.37E-03	3.01E-03	5.72E-04	4.82E-04	2.72E-03	2.21E-03	4.46E-04	4.28E-04	3.33E-04	2.19E-04
2541	562801.9	4234711	3.34E-03	2.98E-03	5.67E-04	4.78E-04	2.70E-03	2.19E-03	4.42E-04	4.24E-04	3.30E-04	2.17E-04
2542	562801.1	4234721	3.31E-03	2.95E-03	5.61E-04	4.73E-04	2.67E-03	2.16E-03	4.37E-04	4.20E-04	3.27E-04	2.14E-04

2543	562795	4234599	3.44E-03	3.07E-03	5.84E-04	4.92E-04	2.78E-03	2.25E-03	4.55E-04	4.37E-04	3.40E-04	2.23E-04
2544	562799.2	4234591	3.55E-03	3.17E-03	6.02E-04	5.08E-04	2.87E-03	2.32E-03	4.69E-04	4.50E-04	3.51E-04	2.30E-04
2545	562803.4	4234583	3.64E-03	3.24E-03	6.17E-04	5.20E-04	2.94E-03	2.38E-03	4.81E-04	4.61E-04	3.59E-04	2.36E-04
2546	562807.6	4234575	3.68E-03	3.29E-03	6.25E-04	5.27E-04	2.97E-03	2.41E-03	4.87E-04	4.67E-04	3.64E-04	2.39E-04
2547	562811.8	4234567	3.67E-03	3.28E-03	6.23E-04	5.25E-04	2.97E-03	2.40E-03	4.86E-04	4.66E-04	3.63E-04	2.38E-04
2548	562816	4234558	3.67E-03	3.27E-03	6.23E-04	5.25E-04	2.96E-03	2.40E-03	4.85E-04	4.66E-04	3.62E-04	2.38E-04
2549	562820.2	4234550	3.67E-03	3.28E-03	6.24E-04	5.26E-04	2.97E-03	2.40E-03	4.86E-04	4.66E-04	3.63E-04	2.38E-04
2550	562824.4	4234542	3.67E-03	3.28E-03	6.23E-04	5.25E-04	2.97E-03	2.40E-03	4.86E-04	4.66E-04	3.63E-04	2.38E-04
2551	562828.7	4234534	3.65E-03	3.26E-03	6.20E-04	5.23E-04	2.95E-03	2.39E-03	4.83E-04	4.64E-04	3.61E-04	2.37E-04
2552	562832.9	4234526	3.65E-03	3.25E-03	6.19E-04	5.22E-04	2.95E-03	2.39E-03	4.82E-04	4.63E-04	3.60E-04	2.36E-04
2553	562837.1	4234518	3.66E-03	3.26E-03	6.20E-04	5.23E-04	2.95E-03	2.39E-03	4.84E-04	4.64E-04	3.61E-04	2.37E-04
2554	562841.3	4234510	3.68E-03	3.28E-03	6.24E-04	5.26E-04	2.97E-03	2.41E-03	4.86E-04	4.67E-04	3.63E-04	2.38E-04
2555	562845.5	4234501	3.70E-03	3.30E-03	6.28E-04	5.29E-04	2.99E-03	2.42E-03	4.89E-04	4.70E-04	3.65E-04	2.40E-04
2556	562849.7	4234493	3.73E-03	3.32E-03	6.32E-04	5.33E-04	3.01E-03	2.44E-03	4.93E-04	4.73E-04	3.68E-04	2.42E-04
2557	562853.9	4234485	3.76E-03	3.36E-03	6.39E-04	5.38E-04	3.04E-03	2.46E-03	4.98E-04	4.77E-04	3.72E-04	2.44E-04
2558	562858.1	4234477	3.83E-03	3.42E-03	6.50E-04	5.48E-04	3.10E-03	2.51E-03	5.07E-04	4.86E-04	3.79E-04	2.48E-04
2559	562862.3	4234469	3.92E-03	3.49E-03	6.65E-04	5.60E-04	3.16E-03	2.56E-03	5.18E-04	4.97E-04	3.87E-04	2.54E-04
2560	562866.5	4234461	4.01E-03	3.58E-03	6.81E-04	5.74E-04	3.24E-03	2.63E-03	5.31E-04	5.09E-04	3.96E-04	2.60E-04
2561	562870.8	4234453	4.12E-03	3.68E-03	6.99E-04	5.89E-04	3.33E-03	2.70E-03	5.45E-04	5.23E-04	4.07E-04	2.67E-04
2562	562875	4234444	4.24E-03	3.78E-03	7.19E-04	6.06E-04	3.42E-03	2.77E-03	5.61E-04	5.38E-04	4.19E-04	2.75E-04
2563	562879.2	4234436	4.36E-03	3.89E-03	7.41E-04	6.24E-04	3.52E-03	2.86E-03	5.77E-04	5.54E-04	4.31E-04	2.83E-04
2564	562883.4	4234428	4.50E-03	4.01E-03	7.63E-04	6.43E-04	3.63E-03	2.94E-03	5.94E-04	5.70E-04	4.44E-04	2.91E-04
2565	562887.6	4234420	4.63E-03	4.13E-03	7.85E-04	6.62E-04	3.74E-03	3.03E-03	6.12E-04	5.87E-04	4.57E-04	3.00E-04
2566	562891.8	4234412	4.76E-03	4.25E-03	8.08E-04	6.81E-04	3.84E-03	3.12E-03	6.30E-04	6.04E-04	4.70E-04	3.09E-04
2567	562904.8	4234401	5.15E-03	4.60E-03	8.74E-04	7.37E-04	4.16E-03	3.37E-03	6.81E-04	6.54E-04	5.09E-04	3.34E-04
2568	562913.5	4234398	5.42E-03	4.83E-03	9.19E-04	7.75E-04	4.38E-03	3.55E-03	7.17E-04	6.88E-04	5.35E-04	3.51E-04
2569	562922.2	4234395	5.69E-03	5.07E-03	9.65E-04	8.13E-04	4.59E-03	3.72E-03	7.52E-04	7.22E-04	5.62E-04	3.69E-04
2570	562930.9	4234393	5.95E-03	5.31E-03	1.01E-03	8.51E-04	4.80E-03	3.89E-03	7.87E-04	7.55E-04	5.88E-04	3.86E-04
2571	562939.7	4234390	6.21E-03	5.54E-03	1.05E-03	8.88E-04	5.01E-03	4.06E-03	8.21E-04	7.88E-04	6.13E-04	4.02E-04
2572	562948.4	4234387	6.45E-03	5.76E-03	1.09E-03	9.23E-04	5.21E-03	4.22E-03	8.53E-04	8.19E-04	6.37E-04	4.18E-04
2573	562957.1	4234384	6.68E-03	5.96E-03	1.13E-03	9.55E-04	5.39E-03	4.37E-03	8.83E-04	8.48E-04	6.60E-04	4.33E-04
2574	562983.3	4234376	7.20E-03	6.43E-03	1.22E-03	1.03E-03	5.82E-03	4.71E-03	9.53E-04	9.14E-04	7.11E-04	4.67E-04
2575	562992.1	4234373	7.31E-03	6.52E-03	1.24E-03	1.04E-03	5.90E-03	4.78E-03	9.66E-04	9.27E-04	7.22E-04	4.74E-04
2576	563000.8	4234370	7.37E-03	6.57E-03	1.25E-03	1.05E-03	5.95E-03	4.82E-03	9.74E-04	9.35E-04	7.28E-04	4.78E-04
2577	563009.5	4234367	7.38E-03	6.59E-03	1.25E-03	1.06E-03	5.96E-03	4.83E-03	9.76E-04	9.37E-04	7.29E-04	4.79E-04
2578	563018.2	4234365	7.35E-03	6.56E-03	1.25E-03	1.05E-03	5.94E-03	4.81E-03	9.72E-04	9.33E-04	7.26E-04	4.77E-04
2579	563027	4234362	7.27E-03	6.49E-03	1.23E-03	1.04E-03	5.87E-03	4.76E-03	9.62E-04	9.23E-04	7.18E-04	4.71E-04
2580	563035.7	4234359	7.15E-03	6.38E-03	1.21E-03	1.02E-03	5.77E-03	4.68E-03	9.46E-04	9.08E-04	7.06E-04	4.64E-04
2581	563044.4	4234356	6.99E-03	6.23E-03	1.19E-03	9.99E-04	5.64E-03	4.57E-03	9.24E-04	8.87E-04	6.90E-04	4.53E-04
2582	563053.2	4234353	6.79E-03	6.05E-03	1.15E-03	9.70E-04	5.48E-03	4.44E-03	8.97E-04	8.61E-04	6.70E-04	4.40E-04
2583	563061.9	4234351	6.55E-03	5.84E-03	1.11E-03	9.37E-04	5.29E-03	4.29E-03	8.66E-04	8.31E-04	6.47E-04	4.25E-04
2584	563070.6	4234348	6.29E-03	5.61E-03	1.07E-03	9.00E-04	5.08E-03	4.12E-03	8.32E-04	7.98E-04	6.21E-04	4.08E-04
2585	563079.4	4234345	6.01E-03	5.36E-03	1.02E-03	8.60E-04	4.86E-03	3.94E-03	7.95E-04	7.63E-04	5.94E-04	3.90E-04
2586	563088.1	4234342	5.72E-03	5.11E-03	9.71E-04	8.19E-04	4.62E-03	3.75E-03	7.57E-04	7.26E-04	5.65E-04	3.71E-04
2587	563096.8	4234339	5.41E-03	4.83E-03	9.19E-04	7.74E-04	4.37E-03	3.54E-03	7.16E-04	6.87E-04	5.35E-04	3.51E-04
2588	563105.5	4234337	5.08E-03	4.53E-03	8.62E-04	7.27E-04	4.10E-03	3.33E-03	6.72E-04	6.45E-04	5.02E-04	3.29E-04
2589	562790.8	4234607	3.36E-03	3.00E-03	5.70E-04	4.80E-04	2.71E-03	2.20E-03	4.44E-04	4.26E-04	3.32E-04	2.18E-04
2590	562790	4234617	3.38E-03	3.02E-03	5.74E-04	4.84E-04	2.73E-03	2.21E-03	4.47E-04	4.29E-04	3.34E-04	2.19E-04
2591	562789.2	4234626	3.40E-03	3.03E-03	5.76E-04	4.86E-04	2.74E-03	2.22E-03	4.49E-04	4.31E-04	3.35E-04	2.20E-04
2592	562788.4	4234635	3.40E-03	3.03E-03	5.77E-04	4.86E-04	2.74E-03	2.22E-03	4.49E-04	4.31E-04	3.36E-04	2.20E-04
2593	562787.6	4234645	3.41E-03	3.04E-03	5.78E-04	4.87E-04	2.75E-03	2.23E-03	4.50E-04	4.32E-04	3.36E-04	2.21E-04
2594	562786.8	4234654	3.41E-03	3.04E-03	5.78E-04	4.87E-04	2.75E-03	2.23E-03	4.51E-04	4.32E-04	3.37E-04	2.21E-04
2595	562786	4234663	3.40E-03	3.03E-03	5.77E-04	4.87E-04	2.75E-03	2.23E-03	4.50E-04	4.32E-04	3.36E-04	2.20E-04
2596	562785.2	4234672	3.37E-03	3.01E-03	5.72E-04	4.82E-04	2.72E-03	2.21E-03	4.46E-04	4.28E-04	3.33E-04	2.19E-04
2597	562784.4	4234682	3.33E-03	2.97E-03	5.64E-04	4.76E-04	2.69E-03	2.18E-03	4.40E-04	4.22E-04	3.29E-04	2.16E-04
2598	562783.6	4234691	3.27E-03	2.91E-03	5.54E-04	4.67E-04	2.64E-03	2.14E-03	4.32E-04	4.15E-04	3.23E-04	2.12E-04
2599	562782.8	4234700	3.22E-03	2.87E-03	5.46E-04	4.60E-04	2.60E-03	2.11E-03	4.26E-04	4.09E-04	3.18E-04	2.09E-04
2600	562782	4234710	3.19E-03	2.84E-03	5.41E-04	4.56E-04	2.57E-03	2.09E-03	4.21E-04	4.04E-04	3.15E-04	2.07E-04
2601	562781.2	4234719	3.14E-03	2.80E-03	5.33E-04	4.49E-04	2.53E-03	2.05E-03	4.15E-04	3.98E-04	3.10E-04	2.03E-04
2602	562755.2	4234596	2.98E-03	2.66E-03	5.05E-04	4.26E-04	2.40E-03	1.95E-03	3.94E-04	3.78E-04	2.94E-04	1.93E-04
2603	562759.4	4234587	2.98E-03	2.66E-03	5.06E-04	4.26E-04	2.41E-03	1.95E-03	3.94E-04	3.78E-04	2.94E-04	1.93E-04
2604	562763.7	4234579	2.98E-03	2.66E-03	5.05E-04	4.26E-04	2.40E-03	1.95E-03	3.94E-04	3.78E-04	2.94E-04	1.93E-04
2605	562767.9	4234571	3.00E-03	2.68E-03	5.09E-04	4.29E-04	2.42E-03	1.96E-03	3.97E-04	3.81E-04	2.96E-04	1.94E-04
2606	562772.2	4234563	3.02E-03	2.69E-03	5.12E-04	4.31E-04	2.44E-03	1.97E-03	3.99E-04	3.83E-04	2.98E-04	1.95E-04
2607	562776.5	4234554	3.03E-03	2.70E-03	5.13E-04	4.33E-04	2.44E-03	1.98E-03	4.00E-04	3.84E-04	2.99E-04	1.96E-04
2608	562780.7	4234546	3.03E-03	2.70E-03	5.14E-04	4.33E-04	2.45E-03	1.98E-03	4.01E-04	3.84E-04	2.99E-04	1.96E-04
2609	562785	4234538	3.05E-03	2.72E-03	5.18E-04	4.37E-04	2.47E-03	2.00E-03	4.04E-04	3.88E-04	3.02E-04	1.98E-04

2610	562789.2	4234530	3.07E-03	2.74E-03	5.21E-04	4.39E-04	2.48E-03	2.01E-03	4.06E-04	3.89E-04	3.03E-04	1.99E-04
2611	562793.5	4234521	3.07E-03	2.74E-03	5.21E-04	4.39E-04	2.48E-03	2.01E-03	4.06E-04	3.90E-04	3.03E-04	1.99E-04
2612	562797.8	4234513	3.06E-03	2.73E-03	5.20E-04	4.38E-04	2.47E-03	2.01E-03	4.05E-04	3.89E-04	3.03E-04	1.99E-04
2613	562802	4234505	3.06E-03	2.73E-03	5.20E-04	4.38E-04	2.47E-03	2.00E-03	4.05E-04	3.89E-04	3.02E-04	1.98E-04
2614	562806.3	4234497	3.07E-03	2.74E-03	5.20E-04	4.39E-04	2.48E-03	2.01E-03	4.06E-04	3.89E-04	3.03E-04	1.99E-04
2615	562810.6	4234489	3.08E-03	2.75E-03	5.23E-04	4.40E-04	2.49E-03	2.02E-03	4.07E-04	3.91E-04	3.04E-04	2.00E-04
2616	562814.8	4234480	3.10E-03	2.77E-03	5.26E-04	4.43E-04	2.50E-03	2.03E-03	4.10E-04	3.93E-04	3.06E-04	2.01E-04
2617	562819.1	4234472	3.13E-03	2.80E-03	5.32E-04	4.48E-04	2.53E-03	2.05E-03	4.14E-04	3.98E-04	3.09E-04	2.03E-04
2618	562823.3	4234464	3.18E-03	2.83E-03	5.39E-04	4.54E-04	2.57E-03	2.08E-03	4.20E-04	4.03E-04	3.14E-04	2.06E-04
2619	562827.6	4234456	3.23E-03	2.88E-03	5.48E-04	4.62E-04	2.61E-03	2.12E-03	4.27E-04	4.10E-04	3.19E-04	2.09E-04
2620	562831.9	4234447	3.30E-03	2.94E-03	5.60E-04	4.72E-04	2.66E-03	2.16E-03	4.36E-04	4.19E-04	3.26E-04	2.14E-04
2621	562836.1	4234439	3.38E-03	3.01E-03	5.73E-04	4.83E-04	2.73E-03	2.21E-03	4.47E-04	4.29E-04	3.34E-04	2.19E-04
2622	562840.4	4234431	3.47E-03	3.09E-03	5.88E-04	4.96E-04	2.80E-03	2.27E-03	4.58E-04	4.40E-04	3.42E-04	2.25E-04
2623	562844.6	4234423	3.56E-03	3.18E-03	6.05E-04	5.10E-04	2.88E-03	2.33E-03	4.71E-04	4.52E-04	3.52E-04	2.31E-04
2624	562848.9	4234414	3.67E-03	3.27E-03	6.22E-04	5.24E-04	2.96E-03	2.40E-03	4.85E-04	4.65E-04	3.62E-04	2.38E-04
2625	562853.2	4234406	3.78E-03	3.37E-03	6.41E-04	5.40E-04	3.05E-03	2.47E-03	4.99E-04	4.79E-04	3.73E-04	2.45E-04
2626	562857.4	4234398	3.89E-03	3.47E-03	6.60E-04	5.56E-04	3.14E-03	2.55E-03	5.14E-04	4.94E-04	3.84E-04	2.52E-04
2627	562861.7	4234390	4.00E-03	3.57E-03	6.80E-04	5.73E-04	3.23E-03	2.62E-03	5.30E-04	5.08E-04	3.96E-04	2.60E-04
2628	562865.9	4234381	4.12E-03	3.68E-03	6.99E-04	5.89E-04	3.33E-03	2.70E-03	5.45E-04	5.23E-04	4.07E-04	2.67E-04
2629	562879	4234370	4.45E-03	3.97E-03	7.56E-04	6.37E-04	3.60E-03	2.91E-03	5.89E-04	5.65E-04	4.40E-04	2.89E-04
2630	562887.9	4234368	4.68E-03	4.17E-03	7.94E-04	6.69E-04	3.78E-03	3.06E-03	6.18E-04	5.93E-04	4.62E-04	3.03E-04
2631	562896.7	4234365	4.90E-03	4.37E-03	8.32E-04	7.01E-04	3.96E-03	3.21E-03	6.48E-04	6.22E-04	4.84E-04	3.18E-04
2632	562905.5	4234362	5.13E-03	4.58E-03	8.70E-04	7.34E-04	4.14E-03	3.36E-03	6.78E-04	6.51E-04	5.07E-04	3.32E-04
2633	562914.4	4234359	5.35E-03	4.78E-03	9.08E-04	7.66E-04	4.32E-03	3.50E-03	7.08E-04	6.79E-04	5.29E-04	3.47E-04
2634	562923.2	4234356	5.57E-03	4.97E-03	9.45E-04	7.97E-04	4.50E-03	3.64E-03	7.37E-04	7.07E-04	5.50E-04	3.61E-04
2635	562932	4234353	5.78E-03	5.15E-03	9.80E-04	8.26E-04	4.66E-03	3.78E-03	7.64E-04	7.33E-04	5.70E-04	3.74E-04
2636	562940.9	4234351	5.97E-03	5.32E-03	1.01E-03	8.53E-04	4.82E-03	3.90E-03	7.89E-04	7.57E-04	5.89E-04	3.87E-04
2637	562949.7	4234348	6.14E-03	5.47E-03	1.04E-03	8.78E-04	4.96E-03	4.02E-03	8.12E-04	7.79E-04	6.06E-04	3.98E-04
2638	562985	4234336	6.55E-03	5.84E-03	1.11E-03	9.36E-04	5.29E-03	4.28E-03	8.66E-04	8.31E-04	6.47E-04	4.24E-04
2639	562993.9	4234334	6.57E-03	5.86E-03	1.11E-03	9.39E-04	5.30E-03	4.30E-03	8.68E-04	8.33E-04	6.48E-04	4.25E-04
2640	563002.7	4234331	6.54E-03	5.84E-03	1.11E-03	9.36E-04	5.28E-03	4.28E-03	8.65E-04	8.30E-04	6.46E-04	4.24E-04
2641	563011.5	4234328	6.49E-03	5.79E-03	1.10E-03	9.28E-04	5.24E-03	4.24E-03	8.58E-04	8.23E-04	6.41E-04	4.20E-04
2642	563020.4	4234325	6.39E-03	5.70E-03	1.08E-03	9.14E-04	5.16E-03	4.18E-03	8.45E-04	8.11E-04	6.31E-04	4.14E-04
2643	563029.2	4234322	6.26E-03	5.59E-03	1.06E-03	8.95E-04	5.06E-03	4.10E-03	8.28E-04	7.94E-04	6.18E-04	4.06E-04
2644	563038	4234319	6.10E-03	5.44E-03	1.03E-03	8.72E-04	4.92E-03	3.99E-03	8.07E-04	7.74E-04	6.02E-04	3.95E-04
2645	563046.9	4234317	5.91E-03	5.27E-03	1.00E-03	8.45E-04	4.77E-03	3.87E-03	7.82E-04	7.50E-04	5.84E-04	3.83E-04
2646	563055.7	4234314	5.70E-03	5.08E-03	9.67E-04	8.15E-04	4.60E-03	3.73E-03	7.53E-04	7.23E-04	5.63E-04	3.69E-04
2647	563064.6	4234311	5.47E-03	4.88E-03	9.28E-04	7.82E-04	4.41E-03	3.58E-03	7.23E-04	6.94E-04	5.40E-04	3.54E-04
2648	563073.4	4234308	5.22E-03	4.66E-03	8.86E-04	7.47E-04	4.22E-03	3.42E-03	6.91E-04	6.63E-04	5.16E-04	3.39E-04
2649	563082.2	4234305	4.97E-03	4.44E-03	8.44E-04	7.11E-04	4.02E-03	3.26E-03	6.58E-04	6.31E-04	4.91E-04	3.22E-04
2650	563091.1	4234302	4.72E-03	4.21E-03	8.01E-04	6.75E-04	3.81E-03	3.09E-03	6.24E-04	5.99E-04	4.66E-04	3.06E-04
2651	563099.9	4234300	4.45E-03	3.97E-03	7.55E-04	6.36E-04	3.59E-03	2.91E-03	5.89E-04	5.65E-04	4.40E-04	2.88E-04
2652	563108.7	4234297	4.18E-03	3.73E-03	7.09E-04	5.98E-04	3.38E-03	2.74E-03	5.53E-04	5.30E-04	4.13E-04	2.71E-04
2653	562750.9	4234604	2.97E-03	2.65E-03	5.04E-04	4.25E-04	2.40E-03	1.94E-03	3.93E-04	3.77E-04	2.93E-04	1.93E-04
2654	562750.1	4234613	3.01E-03	2.68E-03	5.10E-04	4.30E-04	2.43E-03	1.97E-03	3.97E-04	3.81E-04	2.97E-04	1.95E-04
2655	562749.3	4234622	3.04E-03	2.71E-03	5.16E-04	4.35E-04	2.45E-03	1.99E-03	4.02E-04	3.86E-04	3.00E-04	1.97E-04
2656	562748.5	4234632	3.07E-03	2.73E-03	5.20E-04	4.38E-04	2.48E-03	2.01E-03	4.05E-04	3.89E-04	3.03E-04	1.99E-04
2657	562747.7	4234641	3.09E-03	2.76E-03	5.24E-04	4.42E-04	2.50E-03	2.02E-03	4.09E-04	3.92E-04	3.05E-04	2.00E-04
2658	562746.9	4234650	3.11E-03	2.77E-03	5.27E-04	4.44E-04	2.51E-03	2.03E-03	4.11E-04	3.94E-04	3.07E-04	2.01E-04
2659	562746.1	4234660	3.11E-03	2.77E-03	5.28E-04	4.45E-04	2.51E-03	2.04E-03	4.11E-04	3.95E-04	3.07E-04	2.02E-04
2660	562745.3	4234669	3.09E-03	2.75E-03	5.24E-04	4.42E-04	2.49E-03	2.02E-03	4.08E-04	3.92E-04	3.05E-04	2.00E-04
2661	562744.5	4234678	3.03E-03	2.70E-03	5.14E-04	4.33E-04	2.45E-03	1.98E-03	4.01E-04	3.84E-04	2.99E-04	1.96E-04
2662	562743.7	4234688	2.96E-03	2.64E-03	5.03E-04	4.24E-04	2.39E-03	1.94E-03	3.92E-04	3.76E-04	2.93E-04	1.92E-04
2663	562742.9	4234697	2.88E-03	2.57E-03	4.89E-04	4.12E-04	2.33E-03	1.89E-03	3.81E-04	3.66E-04	2.85E-04	1.87E-04
2664	562742.1	4234706	2.80E-03	2.50E-03	4.75E-04	4.00E-04	2.26E-03	1.83E-03	3.70E-04	3.55E-04	2.76E-04	1.81E-04
2665	562741.3	4234716	2.70E-03	2.41E-03	4.59E-04	3.87E-04	2.18E-03	1.77E-03	3.58E-04	3.43E-04	2.67E-04	1.75E-04
2666	562715.2	4234592	2.71E-03	2.42E-03	4.60E-04	3.88E-04	2.19E-03	1.77E-03	3.59E-04	3.44E-04	2.68E-04	1.76E-04
2667	562719.4	4234584	2.69E-03	2.40E-03	4.56E-04	3.84E-04	2.17E-03	1.76E-03	3.55E-04	3.41E-04	2.65E-04	1.74E-04
2668	562723.5	4234576	2.66E-03	2.38E-03	4.52E-04	3.81E-04	2.15E-03	1.74E-03	3.52E-04	3.38E-04	2.63E-04	1.73E-04
2669	562727.7	4234568	2.66E-03	2.37E-03	4.51E-04	3.80E-04	2.14E-03	1.74E-03	3.51E-04	3.37E-04	2.62E-04	1.72E-04
2670	562731.9	4234560	2.64E-03	2.36E-03	4.49E-04	3.78E-04	2.14E-03	1.73E-03	3.50E-04	3.36E-04	2.61E-04	1.71E-04
2671	562736	4234552	2.63E-03	2.35E-03	4.46E-04	3.76E-04	2.12E-03	1.72E-03	3.48E-04	3.34E-04	2.60E-04	1.70E-04
2672	562740.2	4234544	2.62E-03	2.34E-03	4.45E-04	3.75E-04	2.12E-03	1.72E-03	3.47E-04	3.33E-04	2.59E-04	1.70E-04
2673	562744.4	4234536	2.64E-03	2.36E-03	4.48E-04	3.78E-04	2.13E-03	1.73E-03	3.50E-04	3.35E-04	2.61E-04	1.71E-04
2674	562748.5	4234528	2.66E-03	2.38E-03	4.52E-04	3.81E-04	2.15E-03	1.74E-03	3.52E-04	3.38E-04	2.63E-04	1.73E-04
2675	562752.7	4234520	2.68E-03	2.39E-03	4.55E-04	3.84E-04	2.17E-03	1.76E-03	3.55E-04	3.41E-04	2.65E-04	1.74E-04
2676	562756.9	4234512	2.68E-03	2.39E-03	4.55E-04	3.84E-04	2.17E-03	1.76E-03	3.55E-04	3.40E-04	2.65E-04	1.74E-04

2677	562761	4234504	2.67E-03	2.38E-03	4.53E-04	3.82E-04	2.15E-03	1.75E-03	3.53E-04	3.39E-04	2.63E-04	1.73E-04
2678	562765.2	4234496	2.65E-03	2.37E-03	4.50E-04	3.80E-04	2.14E-03	1.74E-03	3.51E-04	3.37E-04	2.62E-04	1.72E-04
2679	562769.4	4234488	2.65E-03	2.36E-03	4.49E-04	3.78E-04	2.14E-03	1.73E-03	3.50E-04	3.36E-04	2.61E-04	1.71E-04
2680	562773.6	4234480	2.64E-03	2.36E-03	4.48E-04	3.78E-04	2.13E-03	1.73E-03	3.49E-04	3.35E-04	2.61E-04	1.71E-04
2681	562777.7	4234472	2.64E-03	2.36E-03	4.49E-04	3.78E-04	2.13E-03	1.73E-03	3.50E-04	3.35E-04	2.61E-04	1.71E-04
2682	562781.9	4234463	2.65E-03	2.37E-03	4.50E-04	3.80E-04	2.14E-03	1.74E-03	3.51E-04	3.37E-04	2.62E-04	1.72E-04
2683	562786.1	4234455	2.67E-03	2.38E-03	4.53E-04	3.82E-04	2.16E-03	1.75E-03	3.53E-04	3.39E-04	2.64E-04	1.73E-04
2684	562790.2	4234447	2.70E-03	2.41E-03	4.58E-04	3.86E-04	2.18E-03	1.77E-03	3.57E-04	3.43E-04	2.67E-04	1.75E-04
2685	562794.4	4234439	2.74E-03	2.44E-03	4.64E-04	3.91E-04	2.21E-03	1.79E-03	3.62E-04	3.47E-04	2.70E-04	1.77E-04
2686	562798.6	4234431	2.78E-03	2.48E-03	4.72E-04	3.98E-04	2.25E-03	1.82E-03	3.68E-04	3.53E-04	2.75E-04	1.80E-04
2687	562802.7	4234423	2.84E-03	2.53E-03	4.82E-04	4.06E-04	2.29E-03	1.86E-03	3.75E-04	3.60E-04	2.80E-04	1.84E-04
2688	562806.9	4234415	2.90E-03	2.59E-03	4.92E-04	4.15E-04	2.34E-03	1.90E-03	3.84E-04	3.68E-04	2.87E-04	1.88E-04
2689	562811.1	4234407	2.97E-03	2.65E-03	5.05E-04	4.25E-04	2.40E-03	1.95E-03	3.93E-04	3.77E-04	2.94E-04	1.93E-04
2690	562815.2	4234399	3.05E-03	2.72E-03	5.18E-04	4.37E-04	2.47E-03	2.00E-03	4.04E-04	3.87E-04	3.02E-04	1.98E-04
2691	562819.4	4234391	3.14E-03	2.80E-03	5.32E-04	4.49E-04	2.53E-03	2.05E-03	4.15E-04	3.98E-04	3.10E-04	2.03E-04
2692	562823.6	4234383	3.23E-03	2.88E-03	5.48E-04	4.62E-04	2.61E-03	2.11E-03	4.27E-04	4.10E-04	3.19E-04	2.09E-04
2693	562827.7	4234375	3.32E-03	2.96E-03	5.63E-04	4.75E-04	2.68E-03	2.17E-03	4.39E-04	4.21E-04	3.28E-04	2.15E-04
2694	562831.9	4234367	3.42E-03	3.05E-03	5.79E-04	4.88E-04	2.76E-03	2.23E-03	4.52E-04	4.33E-04	3.37E-04	2.21E-04
2695	562836.1	4234359	3.51E-03	3.13E-03	5.96E-04	5.02E-04	2.84E-03	2.30E-03	4.64E-04	4.46E-04	3.47E-04	2.28E-04
2696	562840.2	4234351	3.61E-03	3.22E-03	6.12E-04	5.16E-04	2.91E-03	2.36E-03	4.77E-04	4.58E-04	3.56E-04	2.34E-04
2697	562853	4234340	3.88E-03	3.46E-03	6.59E-04	5.55E-04	3.13E-03	2.54E-03	5.13E-04	4.93E-04	3.83E-04	2.52E-04
2698	562861.7	4234337	4.07E-03	3.63E-03	6.90E-04	5.81E-04	3.28E-03	2.66E-03	5.38E-04	5.16E-04	4.02E-04	2.64E-04
2699	562878.9	4234332	4.44E-03	3.96E-03	7.54E-04	6.35E-04	3.59E-03	2.91E-03	5.87E-04	5.64E-04	4.39E-04	2.88E-04
2700	562896.2	4234326	4.81E-03	4.29E-03	8.17E-04	6.88E-04	3.89E-03	3.15E-03	6.37E-04	6.11E-04	4.75E-04	3.12E-04
2701	562904.9	4234323	4.99E-03	4.45E-03	8.47E-04	7.14E-04	4.03E-03	3.27E-03	6.60E-04	6.34E-04	4.93E-04	3.24E-04
2702	562913.5	4234320	5.16E-03	4.61E-03	8.76E-04	7.39E-04	4.17E-03	3.38E-03	6.83E-04	6.55E-04	5.10E-04	3.35E-04
2703	562922.1	4234318	5.32E-03	4.75E-03	9.03E-04	7.61E-04	4.30E-03	3.48E-03	7.04E-04	6.76E-04	5.26E-04	3.45E-04
2704	562939.4	4234312	5.60E-03	4.99E-03	9.50E-04	8.01E-04	4.52E-03	3.66E-03	7.40E-04	7.10E-04	5.53E-04	3.63E-04
2705	562956.7	4234307	5.79E-03	5.17E-03	9.82E-04	8.28E-04	4.68E-03	3.79E-03	7.66E-04	7.35E-04	5.72E-04	3.75E-04
2706	562991.2	4234296	5.86E-03	5.23E-03	9.94E-04	8.38E-04	4.73E-03	3.83E-03	7.75E-04	7.43E-04	5.78E-04	3.80E-04
2707	563008.5	4234290	5.72E-03	5.10E-03	9.70E-04	8.18E-04	4.62E-03	3.74E-03	7.56E-04	7.26E-04	5.65E-04	3.71E-04
2708	563017.2	4234287	5.61E-03	5.00E-03	9.52E-04	8.02E-04	4.53E-03	3.67E-03	7.42E-04	7.12E-04	5.54E-04	3.63E-04
2709	563025.8	4234285	5.47E-03	4.88E-03	9.29E-04	7.83E-04	4.42E-03	3.58E-03	7.24E-04	6.94E-04	5.41E-04	3.55E-04
2710	563043.1	4234279	5.14E-03	4.59E-03	8.73E-04	7.35E-04	4.15E-03	3.37E-03	6.80E-04	6.53E-04	5.08E-04	3.33E-04
2711	563060.4	4234273	4.75E-03	4.24E-03	8.07E-04	6.80E-04	3.84E-03	3.11E-03	6.29E-04	6.03E-04	4.69E-04	3.08E-04
2712	563069	4234271	4.54E-03	4.05E-03	7.71E-04	6.50E-04	3.67E-03	2.97E-03	6.01E-04	5.77E-04	4.49E-04	2.95E-04
2713	563086.3	4234265	4.10E-03	3.66E-03	6.96E-04	5.87E-04	3.31E-03	2.68E-03	5.43E-04	5.21E-04	4.05E-04	2.66E-04
2714	563094.9	4234262	3.88E-03	3.46E-03	6.59E-04	5.55E-04	3.13E-03	2.54E-03	5.13E-04	4.92E-04	3.83E-04	2.52E-04
2715	563103.6	4234260	3.67E-03	3.27E-03	6.22E-04	5.24E-04	2.96E-03	2.40E-03	4.85E-04	4.65E-04	3.62E-04	2.38E-04
2716	562711	4234600	2.74E-03	2.45E-03	4.65E-04	3.92E-04	2.22E-03	1.80E-03	3.63E-04	3.48E-04	2.71E-04	1.78E-04
2717	562710.3	4234610	2.78E-03	2.48E-03	4.72E-04	3.98E-04	2.25E-03	1.82E-03	3.68E-04	3.53E-04	2.75E-04	1.80E-04
2718	562709.5	4234619	2.80E-03	2.50E-03	4.75E-04	4.01E-04	2.26E-03	1.83E-03	3.70E-04	3.55E-04	2.77E-04	1.82E-04
2719	562708.7	4234628	2.81E-03	2.50E-03	4.76E-04	4.01E-04	2.27E-03	1.84E-03	3.71E-04	3.56E-04	2.77E-04	1.82E-04
2720	562707.9	4234638	2.80E-03	2.50E-03	4.75E-04	4.00E-04	2.26E-03	1.83E-03	3.70E-04	3.55E-04	2.76E-04	1.81E-04
2721	562707.1	4234647	2.77E-03	2.48E-03	4.71E-04	3.97E-04	2.24E-03	1.82E-03	3.67E-04	3.52E-04	2.74E-04	1.80E-04
2722	562706.3	4234656	2.74E-03	2.44E-03	4.65E-04	3.92E-04	2.21E-03	1.79E-03	3.62E-04	3.48E-04	2.71E-04	1.78E-04
2723	562705.5	4234666	2.70E-03	2.41E-03	4.58E-04	3.86E-04	2.18E-03	1.76E-03	3.57E-04	3.42E-04	2.66E-04	1.75E-04
2724	562704.7	4234675	2.64E-03	2.36E-03	4.49E-04	3.78E-04	2.14E-03	1.73E-03	3.50E-04	3.36E-04	2.61E-04	1.71E-04
2725	562703.9	4234684	2.58E-03	2.30E-03	4.38E-04	3.69E-04	2.09E-03	1.69E-03	3.42E-04	3.28E-04	2.55E-04	1.67E-04
2726	562703.1	4234694	2.51E-03	2.24E-03	4.27E-04	3.60E-04	2.03E-03	1.65E-03	3.33E-04	3.19E-04	2.48E-04	1.63E-04
2727	562702.3	4234703	2.44E-03	2.18E-03	4.14E-04	3.49E-04	1.97E-03	1.60E-03	3.23E-04	3.10E-04	2.41E-04	1.58E-04
2728	562701.5	4234712	2.36E-03	2.11E-03	4.00E-04	3.37E-04	1.91E-03	1.54E-03	3.12E-04	2.99E-04	2.33E-04	1.53E-04
2729	562675.4	4234589	2.41E-03	2.15E-03	4.10E-04	3.45E-04	1.95E-03	1.58E-03	3.19E-04	3.06E-04	2.38E-04	1.56E-04
2730	562679.6	4234581	2.42E-03	2.16E-03	4.10E-04	3.46E-04	1.95E-03	1.58E-03	3.20E-04	3.07E-04	2.39E-04	1.57E-04
2731	562683.8	4234573	2.41E-03	2.15E-03	4.09E-04	3.45E-04	1.95E-03	1.58E-03	3.19E-04	3.06E-04	2.38E-04	1.56E-04
2732	562688	4234564	2.40E-03	2.14E-03	4.08E-04	3.44E-04	1.94E-03	1.57E-03	3.18E-04	3.05E-04	2.37E-04	1.56E-04
2733	562692.2	4234556	2.39E-03	2.13E-03	4.06E-04	3.42E-04	1.93E-03	1.57E-03	3.16E-04	3.04E-04	2.36E-04	1.55E-04
2734	562696.5	4234548	2.38E-03	2.12E-03	4.04E-04	3.40E-04	1.92E-03	1.56E-03	3.14E-04	3.02E-04	2.35E-04	1.54E-04
2735	562700.7	4234540	2.36E-03	2.11E-03	4.01E-04	3.38E-04	1.91E-03	1.55E-03	3.12E-04	3.00E-04	2.33E-04	1.53E-04
2736	562704.9	4234532	2.35E-03	2.09E-03	3.98E-04	3.35E-04	1.89E-03	1.53E-03	3.10E-04	2.98E-04	2.32E-04	1.52E-04
2737	562709.1	4234524	2.34E-03	2.09E-03	3.97E-04	3.34E-04	1.89E-03	1.53E-03	3.09E-04	2.97E-04	2.31E-04	1.52E-04
2738	562713.3	4234516	2.34E-03	2.09E-03	3.97E-04	3.35E-04	1.89E-03	1.53E-03	3.09E-04	2.97E-04	2.31E-04	1.52E-04
2739	562717.5	4234507	2.33E-03	2.08E-03	3.96E-04	3.34E-04	1.89E-03	1.53E-03	3.09E-04	2.96E-04	2.31E-04	1.51E-04
2740	562721.7	4234499	2.33E-03	2.08E-03	3.95E-04	3.33E-04	1.88E-03	1.52E-03	3.08E-04	2.96E-04	2.30E-04	1.51E-04
2741	562725.9	4234491	2.33E-03	2.08E-03	3.95E-04	3.33E-04	1.88E-03	1.52E-03	3.08E-04	2.95E-04	2.30E-04	1.51E-04
2742	562730.1	4234483	2.32E-03	2.07E-03	3.94E-04	3.32E-04	1.88E-03	1.52E-03	3.07E-04	2.95E-04	2.29E-04	1.51E-04
2743	562734.4	4234475	2.32E-03	2.07E-03	3.94E-04	3.32E-04	1.87E-03	1.52E-03	3.07E-04	2.95E-04	2.29E-04	1.50E-04

2744	562738.6	4234467	2.31E-03	2.06E-03	3.92E-04	3.30E-04	1.86E-03	1.51E-03	3.05E-04	2.93E-04	2.28E-04	1.50E-04
2745	562742.8	4234459	2.30E-03	2.05E-03	3.91E-04	3.29E-04	1.86E-03	1.51E-03	3.04E-04	2.92E-04	2.27E-04	1.49E-04
2746	562747	4234450	2.30E-03	2.05E-03	3.90E-04	3.29E-04	1.86E-03	1.51E-03	3.04E-04	2.92E-04	2.27E-04	1.49E-04
2747	562751.2	4234442	2.31E-03	2.06E-03	3.91E-04	3.30E-04	1.86E-03	1.51E-03	3.05E-04	2.93E-04	2.28E-04	1.50E-04
2748	562755.4	4234434	2.32E-03	2.07E-03	3.94E-04	3.32E-04	1.87E-03	1.52E-03	3.07E-04	2.94E-04	2.29E-04	1.50E-04
2749	562759.6	4234426	2.34E-03	2.09E-03	3.97E-04	3.35E-04	1.89E-03	1.53E-03	3.10E-04	2.97E-04	2.31E-04	1.52E-04
2750	562763.8	4234418	2.37E-03	2.12E-03	4.02E-04	3.39E-04	1.91E-03	1.55E-03	3.14E-04	3.01E-04	2.34E-04	1.54E-04
2751	562768	4234410	2.41E-03	2.15E-03	4.09E-04	3.44E-04	1.94E-03	1.58E-03	3.19E-04	3.06E-04	2.38E-04	1.56E-04
2752	562772.2	4234402	2.45E-03	2.19E-03	4.16E-04	3.51E-04	1.98E-03	1.61E-03	3.25E-04	3.11E-04	2.42E-04	1.59E-04
2753	562776.5	4234393	2.51E-03	2.24E-03	4.25E-04	3.59E-04	2.02E-03	1.64E-03	3.32E-04	3.18E-04	2.48E-04	1.62E-04
2754	562780.7	4234385	2.57E-03	2.29E-03	4.36E-04	3.67E-04	2.07E-03	1.68E-03	3.39E-04	3.26E-04	2.53E-04	1.66E-04
2755	562784.9	4234377	2.63E-03	2.35E-03	4.47E-04	3.76E-04	2.13E-03	1.72E-03	3.48E-04	3.34E-04	2.60E-04	1.71E-04
2756	562789.1	4234369	2.70E-03	2.41E-03	4.59E-04	3.87E-04	2.18E-03	1.77E-03	3.57E-04	3.43E-04	2.67E-04	1.75E-04
2757	562793.3	4234361	2.78E-03	2.48E-03	4.71E-04	3.97E-04	2.24E-03	1.82E-03	3.67E-04	3.53E-04	2.74E-04	1.80E-04
2758	562797.5	4234353	2.86E-03	2.55E-03	4.85E-04	4.09E-04	2.31E-03	1.87E-03	3.78E-04	3.62E-04	2.82E-04	1.85E-04
2759	562801.7	4234345	2.94E-03	2.62E-03	4.98E-04	4.20E-04	2.37E-03	1.92E-03	3.88E-04	3.73E-04	2.90E-04	1.90E-04
2760	562805.9	4234336	3.02E-03	2.69E-03	5.12E-04	4.32E-04	2.44E-03	1.98E-03	3.99E-04	3.83E-04	2.98E-04	1.96E-04
2761	562810.1	4234328	3.10E-03	2.77E-03	5.26E-04	4.44E-04	2.51E-03	2.03E-03	4.10E-04	3.94E-04	3.06E-04	2.01E-04
2762	562814.4	4234320	3.19E-03	2.84E-03	5.41E-04	4.56E-04	2.57E-03	2.08E-03	4.21E-04	4.04E-04	3.15E-04	2.06E-04
2763	562827.3	4234309	3.42E-03	3.05E-03	5.81E-04	4.89E-04	2.76E-03	2.24E-03	4.52E-04	4.34E-04	3.38E-04	2.22E-04
2764	562836	4234306	3.58E-03	3.19E-03	6.07E-04	5.12E-04	2.89E-03	2.34E-03	4.73E-04	4.54E-04	3.53E-04	2.32E-04
2765	562844.8	4234304	3.74E-03	3.34E-03	6.34E-04	5.35E-04	3.02E-03	2.45E-03	4.94E-04	4.74E-04	3.69E-04	2.42E-04
2766	562853.5	4234301	3.90E-03	3.48E-03	6.62E-04	5.58E-04	3.15E-03	2.55E-03	5.16E-04	4.95E-04	3.85E-04	2.53E-04
2767	562862.2	4234298	4.06E-03	3.63E-03	6.90E-04	5.81E-04	3.28E-03	2.66E-03	5.38E-04	5.16E-04	4.01E-04	2.63E-04
2768	562870.9	4234295	4.23E-03	3.77E-03	7.17E-04	6.04E-04	3.41E-03	2.77E-03	5.59E-04	5.36E-04	4.17E-04	2.74E-04
2769	562879.7	4234293	4.39E-03	3.91E-03	7.44E-04	6.27E-04	3.54E-03	2.87E-03	5.80E-04	5.56E-04	4.33E-04	2.84E-04
2770	562888.4	4234290	4.54E-03	4.05E-03	7.70E-04	6.49E-04	3.67E-03	2.97E-03	6.00E-04	5.76E-04	4.48E-04	2.94E-04
2771	562897.1	4234287	4.69E-03	4.18E-03	7.95E-04	6.70E-04	3.78E-03	3.07E-03	6.20E-04	5.95E-04	4.63E-04	3.04E-04
2772	562905.9	4234284	4.82E-03	4.30E-03	8.18E-04	6.90E-04	3.89E-03	3.16E-03	6.38E-04	6.12E-04	4.76E-04	3.13E-04
2773	562914.6	4234281	4.95E-03	4.41E-03	8.40E-04	7.08E-04	4.00E-03	3.24E-03	6.54E-04	6.28E-04	4.89E-04	3.21E-04
2774	562923.3	4234279	5.06E-03	4.51E-03	8.58E-04	7.23E-04	4.08E-03	3.31E-03	6.69E-04	6.42E-04	5.00E-04	3.28E-04
2775	562932.1	4234276	5.15E-03	4.60E-03	8.74E-04	7.37E-04	4.16E-03	3.37E-03	6.81E-04	6.54E-04	5.09E-04	3.34E-04
2776	562940.8	4234273	5.23E-03	4.66E-03	8.87E-04	7.47E-04	4.22E-03	3.42E-03	6.91E-04	6.63E-04	5.16E-04	3.39E-04
2777	562949.5	4234270	5.28E-03	4.71E-03	8.96E-04	7.55E-04	4.26E-03	3.45E-03	6.98E-04	6.70E-04	5.21E-04	3.42E-04
2778	562958.2	4234267	5.31E-03	4.74E-03	9.01E-04	7.59E-04	4.29E-03	3.47E-03	7.02E-04	6.74E-04	5.24E-04	3.44E-04
2779	562967	4234265	5.32E-03	4.74E-03	9.02E-04	7.60E-04	4.29E-03	3.48E-03	7.03E-04	6.74E-04	5.25E-04	3.44E-04
2780	562993.2	4234256	5.19E-03	4.63E-03	8.80E-04	7.42E-04	4.19E-03	3.40E-03	6.86E-04	6.58E-04	5.12E-04	3.36E-04
2781	563001.9	4234253	5.10E-03	4.55E-03	8.65E-04	7.29E-04	4.12E-03	3.34E-03	6.74E-04	6.47E-04	5.04E-04	3.30E-04
2782	563010.6	4234251	4.99E-03	4.45E-03	8.47E-04	7.14E-04	4.03E-03	3.26E-03	6.60E-04	6.33E-04	4.93E-04	3.23E-04
2783	563019.4	4234248	4.86E-03	4.34E-03	8.25E-04	6.95E-04	3.92E-03	3.18E-03	6.43E-04	6.17E-04	4.80E-04	3.15E-04
2784	563028.1	4234245	4.72E-03	4.21E-03	8.00E-04	6.74E-04	3.81E-03	3.09E-03	6.24E-04	5.98E-04	4.66E-04	3.06E-04
2785	563036.8	4234242	4.56E-03	4.06E-03	7.73E-04	6.52E-04	3.68E-03	2.98E-03	6.03E-04	5.78E-04	4.50E-04	2.95E-04
2786	563045.5	4234239	4.39E-03	3.91E-03	7.44E-04	6.27E-04	3.54E-03	2.87E-03	5.80E-04	5.57E-04	4.33E-04	2.84E-04
2787	563054.3	4234237	4.21E-03	3.76E-03	7.15E-04	6.02E-04	3.40E-03	2.76E-03	5.57E-04	5.34E-04	4.16E-04	2.73E-04
2788	563063	4234234	4.03E-03	3.60E-03	6.84E-04	5.76E-04	3.25E-03	2.64E-03	5.33E-04	5.11E-04	3.98E-04	2.61E-04
2789	563071.7	4234231	3.83E-03	3.41E-03	6.49E-04	5.47E-04	3.09E-03	2.50E-03	5.06E-04	4.85E-04	3.78E-04	2.48E-04
2790	563080.5	4234228	3.62E-03	3.23E-03	6.15E-04	5.18E-04	2.93E-03	2.37E-03	4.79E-04	4.60E-04	3.58E-04	2.35E-04
2791	563089.2	4234225	3.43E-03	3.06E-03	5.81E-04	4.90E-04	2.77E-03	2.24E-03	4.53E-04	4.35E-04	3.38E-04	2.22E-04
2792	563097.9	4234223	3.25E-03	2.90E-03	5.51E-04	4.64E-04	2.62E-03	2.13E-03	4.29E-04	4.12E-04	3.21E-04	2.10E-04
2793	563106.7	4234220	3.09E-03	2.75E-03	5.24E-04	4.41E-04	2.49E-03	2.02E-03	4.08E-04	3.92E-04	3.05E-04	2.00E-04
2794	563115.4	4234217	2.93E-03	2.62E-03	4.98E-04	4.20E-04	2.37E-03	1.92E-03	3.88E-04	3.72E-04	2.90E-04	1.90E-04
2795	562671.2	4234597	2.40E-03	2.14E-03	4.08E-04	3.44E-04	1.94E-03	1.57E-03	3.18E-04	3.05E-04	2.37E-04	1.56E-04
2796	562670.4	4234606	2.41E-03	2.15E-03	4.09E-04	3.45E-04	1.95E-03	1.58E-03	3.19E-04	3.06E-04	2.38E-04	1.56E-04
2797	562669.6	4234616	2.41E-03	2.15E-03	4.09E-04	3.45E-04	1.94E-03	1.58E-03	3.19E-04	3.06E-04	2.38E-04	1.56E-04
2798	562668.8	4234625	2.40E-03	2.14E-03	4.07E-04	3.43E-04	1.94E-03	1.57E-03	3.17E-04	3.05E-04	2.37E-04	1.56E-04
2799	562668	4234634	2.38E-03	2.13E-03	4.04E-04	3.41E-04	1.92E-03	1.56E-03	3.15E-04	3.02E-04	2.35E-04	1.54E-04
2800	562667.2	4234644	2.36E-03	2.10E-03	4.00E-04	3.37E-04	1.90E-03	1.54E-03	3.12E-04	2.99E-04	2.33E-04	1.53E-04
2801	562666.4	4234653	2.33E-03	2.07E-03	3.95E-04	3.33E-04	1.88E-03	1.52E-03	3.08E-04	2.95E-04	2.30E-04	1.51E-04
2802	562665.6	4234662	2.29E-03	2.04E-03	3.88E-04	3.27E-04	1.85E-03	1.50E-03	3.02E-04	2.90E-04	2.26E-04	1.48E-04
2803	562664.8	4234672	2.25E-03	2.01E-03	3.82E-04	3.22E-04	1.82E-03	1.47E-03	2.98E-04	2.86E-04	2.22E-04	1.46E-04
2804	562664	4234681	2.22E-03	1.98E-03	3.77E-04	3.17E-04	1.79E-03	1.45E-03	2.93E-04	2.82E-04	2.19E-04	1.44E-04
2805	562663.2	4234690	2.18E-03	1.94E-03	3.70E-04	3.12E-04	1.76E-03	1.43E-03	2.88E-04	2.76E-04	2.15E-04	1.41E-04
2806	562662.4	4234700	2.12E-03	1.90E-03	3.61E-04	3.04E-04	1.72E-03	1.39E-03	2.81E-04	2.70E-04	2.10E-04	1.38E-04
2807	562661.6	4234709	2.05E-03	1.83E-03	3.48E-04	2.94E-04	1.66E-03	1.34E-03	2.72E-04	2.61E-04	2.03E-04	1.33E-04
2808	562635.6	4234585	2.22E-03	1.98E-03	3.77E-04	3.17E-04	1.79E-03	1.45E-03	2.94E-04	2.82E-04	2.19E-04	1.44E-04
2809	562639.8	4234577	2.21E-03	1.97E-03	3.75E-04	3.16E-04	1.79E-03	1.45E-03	2.92E-04	2.81E-04	2.18E-04	1.43E-04
2810	562644.1	4234569	2.20E-03	1.96E-03	3.73E-04	3.14E-04	1.77E-03	1.44E-03	2.91E-04	2.79E-04	2.17E-04	1.42E-04

2811	562648.3	4234561	2.19E-03	1.96E-03	3.72E-04	3.14E-04	1.77E-03	1.44E-03	2.90E-04	2.78E-04	2.17E-04	1.42E-04
2812	562652.6	4234553	2.18E-03	1.95E-03	3.71E-04	3.12E-04	1.76E-03	1.43E-03	2.89E-04	2.77E-04	2.16E-04	1.42E-04
2813	562656.8	4234544	2.17E-03	1.94E-03	3.69E-04	3.11E-04	1.75E-03	1.42E-03	2.87E-04	2.76E-04	2.15E-04	1.41E-04
2814	562661.1	4234536	2.16E-03	1.92E-03	3.66E-04	3.09E-04	1.74E-03	1.41E-03	2.85E-04	2.74E-04	2.13E-04	1.40E-04
2815	562665.3	4234528	2.14E-03	1.91E-03	3.63E-04	3.06E-04	1.73E-03	1.40E-03	2.83E-04	2.72E-04	2.11E-04	1.39E-04
2816	562669.6	4234520	2.12E-03	1.89E-03	3.60E-04	3.03E-04	1.71E-03	1.39E-03	2.80E-04	2.69E-04	2.09E-04	1.37E-04
2817	562673.8	4234511	2.10E-03	1.87E-03	3.56E-04	3.00E-04	1.69E-03	1.37E-03	2.78E-04	2.66E-04	2.07E-04	1.36E-04
2818	562678.1	4234503	2.08E-03	1.85E-03	3.52E-04	2.97E-04	1.68E-03	1.36E-03	2.75E-04	2.64E-04	2.05E-04	1.35E-04
2819	562682.3	4234495	2.05E-03	1.83E-03	3.49E-04	2.94E-04	1.66E-03	1.34E-03	2.72E-04	2.61E-04	2.03E-04	1.33E-04
2820	562686.6	4234487	2.03E-03	1.81E-03	3.45E-04	2.91E-04	1.64E-03	1.33E-03	2.69E-04	2.58E-04	2.01E-04	1.32E-04
2821	562690.8	4234479	2.01E-03	1.79E-03	3.41E-04	2.87E-04	1.62E-03	1.32E-03	2.66E-04	2.55E-04	1.98E-04	1.30E-04
2822	562695.1	4234470	1.99E-03	1.77E-03	3.37E-04	2.84E-04	1.61E-03	1.30E-03	2.63E-04	2.52E-04	1.96E-04	1.29E-04
2823	562699.3	4234462	1.97E-03	1.76E-03	3.34E-04	2.82E-04	1.59E-03	1.29E-03	2.61E-04	2.50E-04	1.95E-04	1.28E-04
2824	562703.5	4234454	1.95E-03	1.74E-03	3.32E-04	2.79E-04	1.58E-03	1.28E-03	2.58E-04	2.48E-04	1.93E-04	1.27E-04
2825	562707.8	4234446	1.95E-03	1.74E-03	3.32E-04	2.79E-04	1.58E-03	1.28E-03	2.58E-04	2.48E-04	1.93E-04	1.27E-04
2826	562712	4234438	1.96E-03	1.75E-03	3.32E-04	2.80E-04	1.58E-03	1.28E-03	2.59E-04	2.49E-04	1.94E-04	1.27E-04
2827	562716.3	4234429	1.97E-03	1.76E-03	3.34E-04	2.82E-04	1.59E-03	1.29E-03	2.60E-04	2.50E-04	1.95E-04	1.28E-04
2828	562720.5	4234421	1.99E-03	1.77E-03	3.37E-04	2.84E-04	1.60E-03	1.30E-03	2.63E-04	2.52E-04	1.96E-04	1.29E-04
2829	562724.8	4234413	2.01E-03	1.79E-03	3.41E-04	2.87E-04	1.62E-03	1.31E-03	2.66E-04	2.55E-04	1.98E-04	1.30E-04
2830	562729	4234405	2.04E-03	1.82E-03	3.46E-04	2.92E-04	1.65E-03	1.33E-03	2.70E-04	2.59E-04	2.01E-04	1.32E-04
2831	562733.3	4234397	2.08E-03	1.85E-03	3.52E-04	2.97E-04	1.68E-03	1.36E-03	2.74E-04	2.63E-04	2.05E-04	1.34E-04
2832	562737.5	4234388	2.11E-03	1.88E-03	3.58E-04	3.01E-04	1.70E-03	1.38E-03	2.79E-04	2.67E-04	2.08E-04	1.37E-04
2833	562741.8	4234380	2.14E-03	1.91E-03	3.64E-04	3.07E-04	1.73E-03	1.40E-03	2.84E-04	2.72E-04	2.12E-04	1.39E-04
2834	562746	4234372	2.19E-03	1.95E-03	3.71E-04	3.13E-04	1.77E-03	1.43E-03	2.89E-04	2.78E-04	2.16E-04	1.42E-04
2835	562750.3	4234364	2.24E-03	2.00E-03	3.80E-04	3.20E-04	1.81E-03	1.47E-03	2.96E-04	2.84E-04	2.21E-04	1.45E-04
2836	562754.5	4234355	2.29E-03	2.05E-03	3.89E-04	3.28E-04	1.85E-03	1.50E-03	3.03E-04	2.91E-04	2.27E-04	1.49E-04
2837	562758.8	4234347	2.35E-03	2.10E-03	3.99E-04	3.36E-04	1.90E-03	1.54E-03	3.11E-04	2.99E-04	2.32E-04	1.52E-04
2838	562763	4234339	2.42E-03	2.16E-03	4.10E-04	3.46E-04	1.95E-03	1.58E-03	3.20E-04	3.07E-04	2.39E-04	1.57E-04
2839	562767.3	4234331	2.48E-03	2.21E-03	4.21E-04	3.55E-04	2.00E-03	1.62E-03	3.28E-04	3.15E-04	2.45E-04	1.61E-04
2840	562771.5	4234323	2.55E-03	2.28E-03	4.33E-04	3.65E-04	2.06E-03	1.67E-03	3.37E-04	3.24E-04	2.52E-04	1.65E-04
2841	562775.8	4234314	2.62E-03	2.34E-03	4.45E-04	3.75E-04	2.12E-03	1.72E-03	3.47E-04	3.33E-04	2.59E-04	1.70E-04
2842	562780	4234306	2.69E-03	2.40E-03	4.57E-04	3.85E-04	2.17E-03	1.76E-03	3.56E-04	3.42E-04	2.66E-04	1.75E-04
2843	562784.3	4234298	2.77E-03	2.47E-03	4.69E-04	3.95E-04	2.23E-03	1.81E-03	3.66E-04	3.51E-04	2.73E-04	1.79E-04
2844	562788.5	4234290	2.84E-03	2.53E-03	4.81E-04	4.06E-04	2.29E-03	1.86E-03	3.75E-04	3.60E-04	2.80E-04	1.84E-04
2845	562801.6	4234279	3.04E-03	2.71E-03	5.16E-04	4.35E-04	2.45E-03	1.99E-03	4.02E-04	3.86E-04	3.00E-04	1.97E-04
2846	562810.4	4234276	3.18E-03	2.83E-03	5.39E-04	4.54E-04	2.56E-03	2.08E-03	4.20E-04	4.03E-04	3.14E-04	2.06E-04
2847	562819.2	4234273	3.31E-03	2.96E-03	5.62E-04	4.74E-04	2.68E-03	2.17E-03	4.38E-04	4.20E-04	3.27E-04	2.15E-04
2848	562828	4234270	3.45E-03	3.08E-03	5.86E-04	4.94E-04	2.79E-03	2.26E-03	4.57E-04	4.38E-04	3.41E-04	2.24E-04
2849	562836.8	4234267	3.60E-03	3.21E-03	6.10E-04	5.14E-04	2.90E-03	2.35E-03	4.76E-04	4.56E-04	3.55E-04	2.33E-04
2850	562845.6	4234265	3.74E-03	3.33E-03	6.34E-04	5.35E-04	3.02E-03	2.45E-03	4.94E-04	4.74E-04	3.69E-04	2.42E-04
2851	562854.4	4234262	3.88E-03	3.46E-03	6.58E-04	5.55E-04	3.13E-03	2.54E-03	5.13E-04	4.92E-04	3.83E-04	2.51E-04
2852	562863.2	4234259	4.02E-03	3.58E-03	6.81E-04	5.74E-04	3.24E-03	2.63E-03	5.31E-04	5.10E-04	3.97E-04	2.60E-04
2853	562872	4234256	4.15E-03	3.70E-03	7.04E-04	5.93E-04	3.35E-03	2.72E-03	5.49E-04	5.26E-04	4.10E-04	2.69E-04
2854	562880.8	4234253	4.28E-03	3.81E-03	7.26E-04	6.12E-04	3.45E-03	2.80E-03	5.65E-04	5.43E-04	4.22E-04	2.77E-04
2855	562889.6	4234251	4.39E-03	3.92E-03	7.46E-04	6.28E-04	3.55E-03	2.88E-03	5.81E-04	5.58E-04	4.34E-04	2.85E-04
2856	562898.4	4234248	4.50E-03	4.02E-03	7.64E-04	6.44E-04	3.64E-03	2.95E-03	5.95E-04	5.71E-04	4.45E-04	2.92E-04
2857	562907.2	4234245	4.60E-03	4.10E-03	7.80E-04	6.58E-04	3.71E-03	3.01E-03	6.08E-04	5.84E-04	4.54E-04	2.98E-04
2858	562916	4234242	4.68E-03	4.18E-03	7.94E-04	6.69E-04	3.78E-03	3.06E-03	6.19E-04	5.94E-04	4.62E-04	3.03E-04
2859	562924.8	4234239	4.75E-03	4.23E-03	8.05E-04	6.79E-04	3.83E-03	3.11E-03	6.28E-04	6.02E-04	4.69E-04	3.08E-04
2860	562933.7	4234236	4.79E-03	4.28E-03	8.13E-04	6.86E-04	3.87E-03	3.14E-03	6.34E-04	6.08E-04	4.73E-04	3.11E-04
2861	562942.5	4234234	4.82E-03	4.30E-03	8.18E-04	6.90E-04	3.89E-03	3.16E-03	6.38E-04	6.12E-04	4.76E-04	3.13E-04
2862	562951.3	4234231	4.83E-03	4.31E-03	8.20E-04	6.91E-04	3.90E-03	3.16E-03	6.39E-04	6.13E-04	4.77E-04	3.13E-04
2863	562960.1	4234228	4.82E-03	4.30E-03	8.18E-04	6.89E-04	3.89E-03	3.15E-03	6.37E-04	6.12E-04	4.76E-04	3.12E-04
2864	562968.9	4234225	4.79E-03	4.27E-03	8.12E-04	6.85E-04	3.87E-03	3.13E-03	6.33E-04	6.07E-04	4.73E-04	3.10E-04
2865	563004.1	4234214	4.47E-03	3.98E-03	7.58E-04	6.39E-04	3.61E-03	2.92E-03	5.91E-04	5.67E-04	4.41E-04	2.89E-04
2866	563012.9	4234211	4.35E-03	3.88E-03	7.37E-04	6.21E-04	3.51E-03	2.84E-03	5.75E-04	5.51E-04	4.29E-04	2.82E-04
2867	563021.7	4234208	4.21E-03	3.76E-03	7.15E-04	6.02E-04	3.40E-03	2.76E-03	5.57E-04	5.34E-04	4.16E-04	2.73E-04
2868	563030.5	4234205	4.07E-03	3.63E-03	6.90E-04	5.82E-04	3.28E-03	2.66E-03	5.38E-04	5.16E-04	4.02E-04	2.64E-04
2869	563039.3	4234203	3.91E-03	3.49E-03	6.63E-04	5.59E-04	3.16E-03	2.56E-03	5.17E-04	4.96E-04	3.86E-04	2.53E-04
2870	563048.1	4234200	3.74E-03	3.34E-03	6.35E-04	5.35E-04	3.02E-03	2.45E-03	4.95E-04	4.75E-04	3.69E-04	2.42E-04
2871	563056.9	4234197	3.57E-03	3.18E-03	6.05E-04	5.10E-04	2.88E-03	2.33E-03	4.72E-04	4.52E-04	3.52E-04	2.31E-04
2872	563065.8	4234194	3.39E-03	3.02E-03	5.75E-04	4.85E-04	2.74E-03	2.22E-03	4.48E-04	4.30E-04	3.35E-04	2.20E-04
2873	563074.6	4234191	3.23E-03	2.88E-03	5.47E-04	4.61E-04	2.61E-03	2.11E-03	4.27E-04	4.09E-04	3.19E-04	2.09E-04
2874	563083.4	4234188	3.07E-03	2.74E-03	5.21E-04	4.39E-04	2.48E-03	2.01E-03	4.06E-04	3.90E-04	3.03E-04	1.99E-04
2875	563092.2	4234186	2.92E-03	2.61E-03	4.96E-04	4.18E-04	2.36E-03	1.91E-03	3.86E-04	3.71E-04	2.89E-04	1.89E-04
2876	563101	4234183	2.78E-03	2.48E-03	4.72E-04	3.98E-04	2.25E-03	1.82E-03	3.68E-04	3.53E-04	2.75E-04	1.80E-04
2877	563109.8	4234180	2.65E-03	2.36E-03	4.50E-04	3.79E-04	2.14E-03	1.73E-03	3.50E-04	3.36E-04	2.62E-04	1.72E-04

2878	563118.6	4234177	2.52E-03	2.25E-03	4.28E-04	3.61E-04	2.04E-03	1.65E-03	3.34E-04	3.20E-04	2.49E-04	1.64E-04
2879	562631.3	4234594	2.22E-03	1.98E-03	3.77E-04	3.18E-04	1.80E-03	1.45E-03	2.94E-04	2.82E-04	2.20E-04	1.44E-04
2880	562630.5	4234603	2.23E-03	1.99E-03	3.78E-04	3.19E-04	1.80E-03	1.46E-03	2.95E-04	2.83E-04	2.20E-04	1.44E-04
2881	562629.7	4234612	2.22E-03	1.98E-03	3.77E-04	3.18E-04	1.80E-03	1.46E-03	2.94E-04	2.82E-04	2.20E-04	1.44E-04
2882	562628.9	4234622	2.21E-03	1.98E-03	3.76E-04	3.17E-04	1.79E-03	1.45E-03	2.93E-04	2.81E-04	2.19E-04	1.44E-04
2883	562628.2	4234631	2.20E-03	1.96E-03	3.73E-04	3.14E-04	1.77E-03	1.44E-03	2.91E-04	2.79E-04	2.17E-04	1.42E-04
2884	562627.4	4234640	2.17E-03	1.94E-03	3.69E-04	3.11E-04	1.75E-03	1.42E-03	2.87E-04	2.76E-04	2.15E-04	1.41E-04
2885	562626.6	4234650	2.14E-03	1.91E-03	3.64E-04	3.06E-04	1.73E-03	1.40E-03	2.83E-04	2.72E-04	2.12E-04	1.39E-04
2886	562625.8	4234659	2.11E-03	1.88E-03	3.57E-04	3.01E-04	1.70E-03	1.38E-03	2.78E-04	2.67E-04	2.08E-04	1.36E-04
2887	562625	4234668	2.06E-03	1.84E-03	3.50E-04	2.95E-04	1.67E-03	1.35E-03	2.73E-04	2.62E-04	2.04E-04	1.34E-04
2888	562624.2	4234677	2.02E-03	1.80E-03	3.42E-04	2.88E-04	1.63E-03	1.32E-03	2.67E-04	2.56E-04	1.99E-04	1.31E-04
2889	562623.4	4234687	1.96E-03	1.75E-03	3.33E-04	2.81E-04	1.59E-03	1.28E-03	2.60E-04	2.49E-04	1.94E-04	1.27E-04
2890	562622.6	4234696	1.91E-03	1.70E-03	3.24E-04	2.73E-04	1.54E-03	1.25E-03	2.52E-04	2.42E-04	1.88E-04	1.24E-04
2891	562621.8	4234705	1.85E-03	1.65E-03	3.14E-04	2.65E-04	1.49E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
2892	562595.8	4234582	2.10E-03	1.87E-03	3.56E-04	3.00E-04	1.69E-03	1.37E-03	2.77E-04	2.66E-04	2.07E-04	1.36E-04
2893	562600	4234574	2.10E-03	1.88E-03	3.57E-04	3.01E-04	1.70E-03	1.38E-03	2.78E-04	2.67E-04	2.08E-04	1.36E-04
2894	562604.3	4234565	2.11E-03	1.88E-03	3.58E-04	3.02E-04	1.70E-03	1.38E-03	2.79E-04	2.68E-04	2.08E-04	1.37E-04
2895	562608.6	4234557	2.11E-03	1.88E-03	3.58E-04	3.01E-04	1.70E-03	1.38E-03	2.79E-04	2.67E-04	2.08E-04	1.37E-04
2896	562612.9	4234549	2.10E-03	1.88E-03	3.57E-04	3.01E-04	1.70E-03	1.38E-03	2.78E-04	2.67E-04	2.08E-04	1.36E-04
2897	562617.2	4234541	2.08E-03	1.86E-03	3.53E-04	2.98E-04	1.68E-03	1.36E-03	2.75E-04	2.64E-04	2.06E-04	1.35E-04
2898	562621.4	4234532	2.06E-03	1.83E-03	3.49E-04	2.94E-04	1.66E-03	1.35E-03	2.72E-04	2.61E-04	2.03E-04	1.33E-04
2899	562625.7	4234524	2.03E-03	1.81E-03	3.44E-04	2.90E-04	1.64E-03	1.33E-03	2.68E-04	2.57E-04	2.00E-04	1.31E-04
2900	562630	4234516	2.00E-03	1.78E-03	3.39E-04	2.85E-04	1.61E-03	1.31E-03	2.64E-04	2.53E-04	1.97E-04	1.29E-04
2901	562634.3	4234507	1.96E-03	1.75E-03	3.33E-04	2.81E-04	1.58E-03	1.28E-03	2.60E-04	2.49E-04	1.94E-04	1.27E-04
2902	562638.6	4234499	1.93E-03	1.72E-03	3.27E-04	2.76E-04	1.56E-03	1.26E-03	2.55E-04	2.45E-04	1.90E-04	1.25E-04
2903	562642.8	4234491	1.89E-03	1.69E-03	3.21E-04	2.71E-04	1.53E-03	1.24E-03	2.50E-04	2.40E-04	1.87E-04	1.23E-04
2904	562647.1	4234483	1.87E-03	1.67E-03	3.17E-04	2.67E-04	1.51E-03	1.22E-03	2.47E-04	2.37E-04	1.84E-04	1.21E-04
2905	562651.4	4234474	1.84E-03	1.64E-03	3.13E-04	2.64E-04	1.49E-03	1.21E-03	2.44E-04	2.34E-04	1.82E-04	1.19E-04
2906	562655.7	4234466	1.82E-03	1.62E-03	3.09E-04	2.60E-04	1.47E-03	1.19E-03	2.41E-04	2.31E-04	1.80E-04	1.18E-04
2907	562660	4234458	1.80E-03	1.60E-03	3.05E-04	2.57E-04	1.45E-03	1.18E-03	2.38E-04	2.28E-04	1.77E-04	1.16E-04
2908	562664.2	4234450	1.78E-03	1.58E-03	3.01E-04	2.54E-04	1.43E-03	1.16E-03	2.35E-04	2.25E-04	1.75E-04	1.15E-04
2909	562668.5	4234441	1.76E-03	1.57E-03	2.98E-04	2.51E-04	1.42E-03	1.15E-03	2.32E-04	2.23E-04	1.74E-04	1.14E-04
2910	562672.8	4234433	1.74E-03	1.55E-03	2.95E-04	2.49E-04	1.41E-03	1.14E-03	2.30E-04	2.21E-04	1.72E-04	1.13E-04
2911	562677.1	4234425	1.73E-03	1.54E-03	2.93E-04	2.47E-04	1.40E-03	1.13E-03	2.29E-04	2.19E-04	1.71E-04	1.12E-04
2912	562681.3	4234416	1.72E-03	1.53E-03	2.92E-04	2.46E-04	1.39E-03	1.13E-03	2.27E-04	2.18E-04	1.70E-04	1.11E-04
2913	562685.6	4234408	1.72E-03	1.53E-03	2.91E-04	2.45E-04	1.39E-03	1.12E-03	2.27E-04	2.18E-04	1.70E-04	1.11E-04
2914	562689.9	4234400	1.72E-03	1.53E-03	2.92E-04	2.46E-04	1.39E-03	1.12E-03	2.27E-04	2.18E-04	1.70E-04	1.11E-04
2915	562694.2	4234392	1.73E-03	1.55E-03	2.94E-04	2.48E-04	1.40E-03	1.13E-03	2.29E-04	2.20E-04	1.71E-04	1.12E-04
2916	562698.5	4234383	1.77E-03	1.58E-03	3.00E-04	2.53E-04	1.43E-03	1.16E-03	2.34E-04	2.24E-04	1.74E-04	1.14E-04
2917	562702.7	4234375	1.81E-03	1.62E-03	3.07E-04	2.59E-04	1.46E-03	1.19E-03	2.40E-04	2.30E-04	1.79E-04	1.17E-04
2918	562707	4234367	1.86E-03	1.66E-03	3.16E-04	2.66E-04	1.50E-03	1.22E-03	2.46E-04	2.36E-04	1.84E-04	1.21E-04
2919	562711.3	4234359	1.89E-03	1.69E-03	3.21E-04	2.71E-04	1.53E-03	1.24E-03	2.50E-04	2.40E-04	1.87E-04	1.23E-04
2920	562715.6	4234350	1.93E-03	1.72E-03	3.27E-04	2.76E-04	1.56E-03	1.26E-03	2.55E-04	2.45E-04	1.91E-04	1.25E-04
2921	562719.9	4234342	1.97E-03	1.76E-03	3.34E-04	2.82E-04	1.59E-03	1.29E-03	2.61E-04	2.50E-04	1.95E-04	1.28E-04
2922	562724.1	4234334	2.02E-03	1.80E-03	3.42E-04	2.88E-04	1.63E-03	1.32E-03	2.67E-04	2.56E-04	1.99E-04	1.31E-04
2923	562728.4	4234325	2.07E-03	1.84E-03	3.51E-04	2.96E-04	1.67E-03	1.35E-03	2.73E-04	2.62E-04	2.04E-04	1.34E-04
2924	562732.7	4234317	2.12E-03	1.89E-03	3.60E-04	3.03E-04	1.71E-03	1.39E-03	2.80E-04	2.69E-04	2.09E-04	1.37E-04
2925	562737	4234309	2.18E-03	1.94E-03	3.69E-04	3.11E-04	1.76E-03	1.42E-03	2.88E-04	2.76E-04	2.15E-04	1.41E-04
2926	562741.3	4234301	2.24E-03	1.99E-03	3.79E-04	3.20E-04	1.80E-03	1.46E-03	2.96E-04	2.84E-04	2.21E-04	1.45E-04
2927	562745.5	4234292	2.30E-03	2.05E-03	3.90E-04	3.28E-04	1.85E-03	1.50E-03	3.04E-04	2.91E-04	2.27E-04	1.49E-04
2928	562749.8	4234284	2.36E-03	2.10E-03	4.00E-04	3.37E-04	1.90E-03	1.54E-03	3.12E-04	2.99E-04	2.33E-04	1.53E-04
2929	562754.1	4234276	2.42E-03	2.16E-03	4.11E-04	3.46E-04	1.95E-03	1.58E-03	3.20E-04	3.07E-04	2.39E-04	1.57E-04
2930	562758.4	4234268	2.48E-03	2.21E-03	4.21E-04	3.55E-04	2.00E-03	1.62E-03	3.28E-04	3.15E-04	2.45E-04	1.61E-04
2931	562762.6	4234259	2.55E-03	2.27E-03	4.32E-04	3.64E-04	2.06E-03	1.67E-03	3.37E-04	3.23E-04	2.51E-04	1.65E-04
2932	562775.8	4234248	2.72E-03	2.43E-03	4.62E-04	3.89E-04	2.20E-03	1.78E-03	3.60E-04	3.45E-04	2.69E-04	1.76E-04
2933	562784.7	4234245	2.84E-03	2.53E-03	4.82E-04	4.06E-04	2.29E-03	1.86E-03	3.75E-04	3.60E-04	2.80E-04	1.84E-04
2934	562793.5	4234242	2.96E-03	2.64E-03	5.02E-04	4.23E-04	2.39E-03	1.94E-03	3.91E-04	3.75E-04	2.92E-04	1.92E-04
2935	562802.4	4234240	3.08E-03	2.75E-03	5.23E-04	4.40E-04	2.49E-03	2.02E-03	4.07E-04	3.91E-04	3.04E-04	2.00E-04
2936	562811.3	4234237	3.20E-03	2.86E-03	5.43E-04	4.58E-04	2.59E-03	2.10E-03	4.24E-04	4.06E-04	3.16E-04	2.08E-04
2937	562820.2	4234234	3.33E-03	2.97E-03	5.65E-04	4.76E-04	2.69E-03	2.18E-03	4.40E-04	4.22E-04	3.29E-04	2.16E-04
2938	562829	4234231	3.45E-03	3.08E-03	5.86E-04	4.94E-04	2.79E-03	2.26E-03	4.56E-04	4.38E-04	3.41E-04	2.24E-04
2939	562837.9	4234228	3.57E-03	3.19E-03	6.06E-04	5.11E-04	2.89E-03	2.34E-03	4.73E-04	4.54E-04	3.53E-04	2.32E-04
2940	562846.8	4234225	3.69E-03	3.30E-03	6.27E-04	5.28E-04	2.98E-03	2.42E-03	4.89E-04	4.69E-04	3.65E-04	2.39E-04
2941	562855.6	4234223	3.81E-03	3.40E-03	6.47E-04	5.45E-04	3.08E-03	2.49E-03	5.04E-04	4.84E-04	3.76E-04	2.47E-04
2942	562864.5	4234220	3.92E-03	3.50E-03	6.65E-04	5.61E-04	3.17E-03	2.57E-03	5.19E-04	4.98E-04	3.87E-04	2.54E-04
2943	562873.4	4234217	4.02E-03	3.59E-03	6.83E-04	5.76E-04	3.25E-03	2.63E-03	5.32E-04	5.11E-04	3.97E-04	2.61E-04
2944	562882.3	4234214	4.12E-03	3.67E-03	6.99E-04	5.89E-04	3.33E-03	2.70E-03	5.45E-04	5.23E-04	4.07E-04	2.67E-04

2945	562891.1	4234211	4.20E-03	3.75E-03	7.13E-04	6.01E-04	3.39E-03	2.75E-03	5.56E-04	5.33E-04	4.15E-04	2.72E-04
2946	562900	4234208	4.28E-03	3.81E-03	7.25E-04	6.11E-04	3.45E-03	2.80E-03	5.65E-04	5.42E-04	4.22E-04	2.77E-04
2947	562908.9	4234206	4.33E-03	3.87E-03	7.35E-04	6.20E-04	3.50E-03	2.84E-03	5.73E-04	5.50E-04	4.28E-04	2.81E-04
2948	562917.8	4234203	4.38E-03	3.90E-03	7.43E-04	6.26E-04	3.53E-03	2.86E-03	5.79E-04	5.55E-04	4.32E-04	2.84E-04
2949	562926.6	4234200	4.40E-03	3.93E-03	7.47E-04	6.30E-04	3.56E-03	2.88E-03	5.82E-04	5.59E-04	4.35E-04	2.85E-04
2950	562935.5	4234197	4.42E-03	3.94E-03	7.49E-04	6.31E-04	3.56E-03	2.89E-03	5.84E-04	5.60E-04	4.36E-04	2.86E-04
2951	562944.4	4234194	4.41E-03	3.93E-03	7.48E-04	6.30E-04	3.56E-03	2.88E-03	5.83E-04	5.59E-04	4.35E-04	2.86E-04
2952	562953.2	4234191	4.38E-03	3.91E-03	7.44E-04	6.27E-04	3.54E-03	2.87E-03	5.80E-04	5.56E-04	4.33E-04	2.84E-04
2953	562962.1	4234188	4.34E-03	3.87E-03	7.37E-04	6.21E-04	3.51E-03	2.84E-03	5.74E-04	5.51E-04	4.29E-04	2.81E-04
2954	562971	4234186	4.29E-03	3.82E-03	7.27E-04	6.13E-04	3.46E-03	2.80E-03	5.67E-04	5.44E-04	4.23E-04	2.78E-04
2955	562997.6	4234177	4.02E-03	3.59E-03	6.82E-04	5.75E-04	3.25E-03	2.63E-03	5.32E-04	5.10E-04	3.97E-04	2.61E-04
2956	563006.5	4234174	3.91E-03	3.48E-03	6.63E-04	5.59E-04	3.15E-03	2.56E-03	5.17E-04	4.96E-04	3.86E-04	2.53E-04
2957	563015.3	4234171	3.77E-03	3.37E-03	6.40E-04	5.40E-04	3.05E-03	2.47E-03	4.99E-04	4.79E-04	3.73E-04	2.45E-04
2958	563024.2	4234169	3.63E-03	3.24E-03	6.16E-04	5.19E-04	2.93E-03	2.37E-03	4.80E-04	4.60E-04	3.58E-04	2.35E-04
2959	563033.1	4234166	3.48E-03	3.10E-03	5.90E-04	4.97E-04	2.81E-03	2.27E-03	4.60E-04	4.41E-04	3.43E-04	2.25E-04
2960	563042	4234163	3.33E-03	2.97E-03	5.65E-04	4.76E-04	2.69E-03	2.18E-03	4.40E-04	4.22E-04	3.29E-04	2.16E-04
2961	563050.8	4234160	3.18E-03	2.84E-03	5.40E-04	4.55E-04	2.57E-03	2.08E-03	4.21E-04	4.04E-04	3.15E-04	2.06E-04
2962	563059.7	4234157	3.04E-03	2.72E-03	5.16E-04	4.35E-04	2.46E-03	1.99E-03	4.03E-04	3.86E-04	3.01E-04	1.97E-04
2963	563068.6	4234154	2.91E-03	2.59E-03	4.94E-04	4.16E-04	2.35E-03	1.90E-03	3.85E-04	3.69E-04	2.87E-04	1.89E-04
2964	563077.4	4234152	2.78E-03	2.48E-03	4.71E-04	3.97E-04	2.24E-03	1.82E-03	3.67E-04	3.52E-04	2.74E-04	1.80E-04
2965	563086.3	4234149	2.65E-03	2.36E-03	4.49E-04	3.79E-04	2.14E-03	1.73E-03	3.50E-04	3.36E-04	2.62E-04	1.72E-04
2966	563095.2	4234146	2.53E-03	2.25E-03	4.29E-04	3.61E-04	2.04E-03	1.65E-03	3.34E-04	3.20E-04	2.49E-04	1.64E-04
2967	563104.1	4234143	2.41E-03	2.15E-03	4.09E-04	3.45E-04	1.95E-03	1.58E-03	3.19E-04	3.06E-04	2.38E-04	1.56E-04
2968	563112.9	4234140	2.30E-03	2.05E-03	3.90E-04	3.29E-04	1.86E-03	1.50E-03	3.04E-04	2.92E-04	2.27E-04	1.49E-04
2969	563121.8	4234137	2.20E-03	1.96E-03	3.73E-04	3.14E-04	1.77E-03	1.44E-03	2.90E-04	2.79E-04	2.17E-04	1.42E-04
2970	562591.5	4234590	2.08E-03	1.86E-03	3.53E-04	2.98E-04	1.68E-03	1.36E-03	2.75E-04	2.64E-04	2.05E-04	1.35E-04
2971	562590.7	4234600	2.08E-03	1.85E-03	3.52E-04	2.97E-04	1.68E-03	1.36E-03	2.75E-04	2.64E-04	2.05E-04	1.35E-04
2972	562589.9	4234609	2.07E-03	1.84E-03	3.51E-04	2.96E-04	1.67E-03	1.35E-03	2.73E-04	2.62E-04	2.04E-04	1.34E-04
2973	562589.1	4234618	2.05E-03	1.83E-03	3.48E-04	2.93E-04	1.66E-03	1.34E-03	2.71E-04	2.60E-04	2.03E-04	1.33E-04
2974	562588.3	4234627	2.03E-03	1.81E-03	3.44E-04	2.90E-04	1.64E-03	1.33E-03	2.68E-04	2.58E-04	2.00E-04	1.32E-04
2975	562587.5	4234637	2.00E-03	1.79E-03	3.40E-04	2.86E-04	1.62E-03	1.31E-03	2.65E-04	2.54E-04	1.98E-04	1.30E-04
2976	562586.7	4234646	1.97E-03	1.76E-03	3.34E-04	2.82E-04	1.59E-03	1.29E-03	2.60E-04	2.50E-04	1.94E-04	1.28E-04
2977	562585.9	4234655	1.93E-03	1.72E-03	3.28E-04	2.76E-04	1.56E-03	1.26E-03	2.55E-04	2.45E-04	1.91E-04	1.25E-04
2978	562585.1	4234665	1.89E-03	1.69E-03	3.21E-04	2.70E-04	1.53E-03	1.24E-03	2.50E-04	2.40E-04	1.87E-04	1.22E-04
2979	562584.3	4234674	1.84E-03	1.64E-03	3.13E-04	2.64E-04	1.49E-03	1.21E-03	2.44E-04	2.34E-04	1.82E-04	1.19E-04
2980	562583.5	4234683	1.79E-03	1.60E-03	3.04E-04	2.57E-04	1.45E-03	1.17E-03	2.37E-04	2.28E-04	1.77E-04	1.16E-04
2981	562582.7	4234693	1.74E-03	1.55E-03	2.96E-04	2.49E-04	1.41E-03	1.14E-03	2.30E-04	2.21E-04	1.72E-04	1.13E-04
2982	562581.9	4234702	1.69E-03	1.51E-03	2.86E-04	2.41E-04	1.36E-03	1.10E-03	2.23E-04	2.14E-04	1.67E-04	1.09E-04
2983	562555.8	4234579	1.92E-03	1.71E-03	3.25E-04	2.74E-04	1.55E-03	1.25E-03	2.53E-04	2.43E-04	1.89E-04	1.24E-04
2984	562560.1	4234571	1.93E-03	1.72E-03	3.27E-04	2.76E-04	1.56E-03	1.26E-03	2.55E-04	2.45E-04	1.90E-04	1.25E-04
2985	562564.3	4234562	1.94E-03	1.73E-03	3.28E-04	2.77E-04	1.56E-03	1.27E-03	2.56E-04	2.46E-04	1.91E-04	1.25E-04
2986	562568.5	4234554	1.94E-03	1.73E-03	3.29E-04	2.77E-04	1.57E-03	1.27E-03	2.56E-04	2.46E-04	1.91E-04	1.26E-04
2987	562572.7	4234546	1.94E-03	1.73E-03	3.29E-04	2.77E-04	1.56E-03	1.27E-03	2.56E-04	2.46E-04	1.91E-04	1.26E-04
2988	562576.9	4234538	1.93E-03	1.72E-03	3.28E-04	2.76E-04	1.56E-03	1.26E-03	2.56E-04	2.45E-04	1.91E-04	1.25E-04
2989	562581.1	4234530	1.92E-03	1.72E-03	3.26E-04	2.75E-04	1.55E-03	1.26E-03	2.54E-04	2.44E-04	1.90E-04	1.25E-04
2990	562585.3	4234522	1.91E-03	1.71E-03	3.25E-04	2.74E-04	1.54E-03	1.25E-03	2.53E-04	2.43E-04	1.89E-04	1.24E-04
2991	562589.5	4234514	1.90E-03	1.69E-03	3.22E-04	2.71E-04	1.53E-03	1.24E-03	2.51E-04	2.41E-04	1.87E-04	1.23E-04
2992	562593.7	4234505	1.88E-03	1.68E-03	3.19E-04	2.69E-04	1.52E-03	1.23E-03	2.49E-04	2.39E-04	1.86E-04	1.22E-04
2993	562597.9	4234497	1.86E-03	1.66E-03	3.16E-04	2.66E-04	1.50E-03	1.22E-03	2.46E-04	2.36E-04	1.84E-04	1.21E-04
2994	562602.2	4234489	1.84E-03	1.64E-03	3.13E-04	2.63E-04	1.49E-03	1.21E-03	2.44E-04	2.34E-04	1.82E-04	1.19E-04
2995	562606.4	4234481	1.82E-03	1.62E-03	3.09E-04	2.60E-04	1.47E-03	1.19E-03	2.41E-04	2.31E-04	1.80E-04	1.18E-04
2996	562610.6	4234473	1.80E-03	1.60E-03	3.05E-04	2.57E-04	1.45E-03	1.18E-03	2.38E-04	2.28E-04	1.77E-04	1.16E-04
2997	562614.8	4234465	1.77E-03	1.58E-03	3.00E-04	2.53E-04	1.43E-03	1.16E-03	2.34E-04	2.24E-04	1.75E-04	1.15E-04
2998	562619	4234457	1.73E-03	1.55E-03	2.94E-04	2.48E-04	1.40E-03	1.13E-03	2.29E-04	2.20E-04	1.71E-04	1.12E-04
2999	562623.2	4234448	1.70E-03	1.51E-03	2.88E-04	2.43E-04	1.37E-03	1.11E-03	2.25E-04	2.15E-04	1.68E-04	1.10E-04
3000	562627.4	4234440	1.66E-03	1.48E-03	2.82E-04	2.38E-04	1.34E-03	1.09E-03	2.20E-04	2.11E-04	1.64E-04	1.08E-04
3001	562631.6	4234432	1.63E-03	1.46E-03	2.77E-04	2.33E-04	1.32E-03	1.07E-03	2.16E-04	2.07E-04	1.61E-04	1.06E-04
3002	562635.8	4234424	1.60E-03	1.43E-03	2.72E-04	2.29E-04	1.29E-03	1.05E-03	2.12E-04	2.03E-04	1.58E-04	1.04E-04
3003	562640.1	4234416	1.58E-03	1.41E-03	2.67E-04	2.25E-04	1.27E-03	1.03E-03	2.08E-04	2.00E-04	1.56E-04	1.02E-04
3004	562644.3	4234408	1.55E-03	1.39E-03	2.64E-04	2.22E-04	1.25E-03	1.02E-03	2.05E-04	1.97E-04	1.53E-04	1.01E-04
3005	562648.5	4234400	1.54E-03	1.38E-03	2.62E-04	2.21E-04	1.25E-03	1.01E-03	2.04E-04	1.96E-04	1.52E-04	1.00E-04
3006	562652.7	4234391	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.01E-03	2.03E-04	1.95E-04	1.52E-04	9.97E-05
3007	562656.9	4234383	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.01E-03	2.03E-04	1.95E-04	1.52E-04	9.95E-05
3008	562661.1	4234375	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.01E-03	2.04E-04	1.95E-04	1.52E-04	9.98E-05
3009	562665.3	4234367	1.55E-03	1.38E-03	2.63E-04	2.21E-04	1.25E-03	1.01E-03	2.05E-04	1.96E-04	1.53E-04	1.00E-04
3010	562669.5	4234359	1.56E-03	1.39E-03	2.65E-04	2.23E-04	1.26E-03	1.02E-03	2.06E-04	1.98E-04	1.54E-04	1.01E-04
3011	562673.7	4234351	1.58E-03	1.41E-03	2.68E-04	2.26E-04	1.27E-03	1.03E-03	2.09E-04	2.00E-04	1.56E-04	1.02E-04

3012	562677.9	4234343	1.61E-03	1.44E-03	2.73E-04	2.30E-04	1.30E-03	1.05E-03	2.13E-04	2.04E-04	1.59E-04	1.04E-04
3013	562682.2	4234334	1.65E-03	1.47E-03	2.80E-04	2.36E-04	1.33E-03	1.08E-03	2.18E-04	2.09E-04	1.63E-04	1.07E-04
3014	562686.4	4234326	1.70E-03	1.52E-03	2.88E-04	2.43E-04	1.37E-03	1.11E-03	2.25E-04	2.16E-04	1.68E-04	1.10E-04
3015	562690.6	4234318	1.75E-03	1.56E-03	2.97E-04	2.50E-04	1.41E-03	1.14E-03	2.31E-04	2.22E-04	1.73E-04	1.13E-04
3016	562694.8	4234310	1.80E-03	1.60E-03	3.05E-04	2.57E-04	1.45E-03	1.18E-03	2.38E-04	2.28E-04	1.77E-04	1.16E-04
3017	562699	4234302	1.84E-03	1.64E-03	3.12E-04	2.63E-04	1.49E-03	1.21E-03	2.44E-04	2.34E-04	1.82E-04	1.19E-04
3018	562703.2	4234294	1.89E-03	1.68E-03	3.20E-04	2.70E-04	1.52E-03	1.23E-03	2.49E-04	2.39E-04	1.86E-04	1.22E-04
3019	562707.4	4234286	1.93E-03	1.73E-03	3.28E-04	2.77E-04	1.56E-03	1.27E-03	2.56E-04	2.45E-04	1.91E-04	1.25E-04
3020	562711.6	4234277	1.98E-03	1.77E-03	3.36E-04	2.84E-04	1.60E-03	1.30E-03	2.62E-04	2.52E-04	1.96E-04	1.29E-04
3021	562715.8	4234269	2.03E-03	1.81E-03	3.45E-04	2.91E-04	1.64E-03	1.33E-03	2.69E-04	2.58E-04	2.01E-04	1.32E-04
3022	562720.1	4234261	2.09E-03	1.86E-03	3.54E-04	2.98E-04	1.68E-03	1.37E-03	2.76E-04	2.65E-04	2.06E-04	1.35E-04
3023	562724.3	4234253	2.14E-03	1.91E-03	3.63E-04	3.06E-04	1.73E-03	1.40E-03	2.83E-04	2.71E-04	2.11E-04	1.39E-04
3024	562728.5	4234245	2.19E-03	1.96E-03	3.72E-04	3.14E-04	1.77E-03	1.43E-03	2.90E-04	2.78E-04	2.17E-04	1.42E-04
3025	562732.7	4234237	2.25E-03	2.00E-03	3.81E-04	3.21E-04	1.81E-03	1.47E-03	2.97E-04	2.85E-04	2.22E-04	1.46E-04
3026	562736.9	4234229	2.30E-03	2.05E-03	3.90E-04	3.29E-04	1.86E-03	1.51E-03	3.04E-04	2.92E-04	2.27E-04	1.49E-04
3027	562749.8	4234218	2.45E-03	2.19E-03	4.16E-04	3.50E-04	1.98E-03	1.60E-03	3.24E-04	3.11E-04	2.42E-04	1.59E-04
3028	562758.6	4234215	2.55E-03	2.27E-03	4.32E-04	3.64E-04	2.06E-03	1.67E-03	3.37E-04	3.23E-04	2.52E-04	1.65E-04
3029	562767.3	4234212	2.65E-03	2.36E-03	4.50E-04	3.79E-04	2.14E-03	1.73E-03	3.50E-04	3.36E-04	2.62E-04	1.72E-04
3030	562776	4234209	2.75E-03	2.46E-03	4.67E-04	3.94E-04	2.22E-03	1.80E-03	3.64E-04	3.49E-04	2.72E-04	1.78E-04
3031	562784.8	4234206	2.86E-03	2.55E-03	4.85E-04	4.09E-04	2.31E-03	1.87E-03	3.78E-04	3.63E-04	2.82E-04	1.85E-04
3032	562793.5	4234204	2.97E-03	2.65E-03	5.03E-04	4.24E-04	2.39E-03	1.94E-03	3.92E-04	3.76E-04	2.93E-04	1.92E-04
3033	562802.2	4234201	3.07E-03	2.74E-03	5.21E-04	4.39E-04	2.48E-03	2.01E-03	4.06E-04	3.90E-04	3.03E-04	1.99E-04
3034	562810.9	4234198	3.18E-03	2.84E-03	5.40E-04	4.55E-04	2.57E-03	2.08E-03	4.21E-04	4.03E-04	3.14E-04	2.06E-04
3035	562819.7	4234195	3.29E-03	2.93E-03	5.58E-04	4.70E-04	2.65E-03	2.15E-03	4.35E-04	4.17E-04	3.24E-04	2.13E-04
3036	562828.4	4234192	3.39E-03	3.02E-03	5.75E-04	4.85E-04	2.74E-03	2.22E-03	4.48E-04	4.30E-04	3.35E-04	2.20E-04
3037	562837.1	4234190	3.49E-03	3.11E-03	5.92E-04	4.99E-04	2.82E-03	2.28E-03	4.62E-04	4.43E-04	3.45E-04	2.26E-04
3038	562845.9	4234187	3.59E-03	3.20E-03	6.08E-04	5.13E-04	2.90E-03	2.35E-03	4.74E-04	4.55E-04	3.54E-04	2.32E-04
3039	562854.6	4234184	3.68E-03	3.28E-03	6.24E-04	5.26E-04	2.97E-03	2.41E-03	4.86E-04	4.67E-04	3.63E-04	2.38E-04
3040	562863.3	4234181	3.76E-03	3.35E-03	6.38E-04	5.38E-04	3.04E-03	2.46E-03	4.97E-04	4.77E-04	3.71E-04	2.44E-04
3041	562872.1	4234179	3.84E-03	3.42E-03	6.51E-04	5.49E-04	3.10E-03	2.51E-03	5.07E-04	4.87E-04	3.79E-04	2.49E-04
3042	562880.8	4234176	3.90E-03	3.48E-03	6.62E-04	5.58E-04	3.15E-03	2.55E-03	5.16E-04	4.95E-04	3.85E-04	2.53E-04
3043	562889.5	4234173	3.96E-03	3.53E-03	6.72E-04	5.66E-04	3.20E-03	2.59E-03	5.23E-04	5.02E-04	3.91E-04	2.57E-04
3044	562898.2	4234170	4.00E-03	3.57E-03	6.79E-04	5.72E-04	3.23E-03	2.62E-03	5.29E-04	5.08E-04	3.95E-04	2.59E-04
3045	562907	4234167	4.03E-03	3.60E-03	6.84E-04	5.77E-04	3.26E-03	2.64E-03	5.33E-04	5.12E-04	3.98E-04	2.61E-04
3046	562915.7	4234165	4.05E-03	3.61E-03	6.87E-04	5.79E-04	3.27E-03	2.65E-03	5.36E-04	5.14E-04	4.00E-04	2.63E-04
3047	562924.4	4234162	4.05E-03	3.62E-03	6.88E-04	5.80E-04	3.27E-03	2.65E-03	5.36E-04	5.15E-04	4.00E-04	2.63E-04
3048	562933.2	4234159	4.04E-03	3.61E-03	6.86E-04	5.78E-04	3.27E-03	2.65E-03	5.35E-04	5.13E-04	3.99E-04	2.62E-04
3049	562941.9	4234156	4.02E-03	3.59E-03	6.82E-04	5.75E-04	3.25E-03	2.63E-03	5.32E-04	5.10E-04	3.97E-04	2.61E-04
3050	562950.6	4234153	3.98E-03	3.55E-03	6.76E-04	5.69E-04	3.21E-03	2.61E-03	5.27E-04	5.05E-04	3.93E-04	2.58E-04
3051	562959.4	4234151	3.93E-03	3.51E-03	6.67E-04	5.62E-04	3.17E-03	2.57E-03	5.20E-04	4.99E-04	3.88E-04	2.55E-04
3052	562968.1	4234148	3.86E-03	3.45E-03	6.56E-04	5.53E-04	3.12E-03	2.53E-03	5.11E-04	4.90E-04	3.82E-04	2.50E-04
3053	562994.3	4234139	3.60E-03	3.22E-03	6.12E-04	5.15E-04	2.91E-03	2.36E-03	4.77E-04	4.57E-04	3.56E-04	2.34E-04
3054	563003	4234137	3.50E-03	3.12E-03	5.94E-04	5.00E-04	2.83E-03	2.29E-03	4.63E-04	4.44E-04	3.46E-04	2.27E-04
3055	563011.7	4234134	3.37E-03	3.01E-03	5.72E-04	4.82E-04	2.72E-03	2.21E-03	4.46E-04	4.28E-04	3.33E-04	2.19E-04
3056	563020.5	4234131	3.24E-03	2.89E-03	5.50E-04	4.63E-04	2.62E-03	2.12E-03	4.28E-04	4.11E-04	3.20E-04	2.10E-04
3057	563029.2	4234128	3.10E-03	2.77E-03	5.27E-04	4.44E-04	2.51E-03	2.03E-03	4.11E-04	3.94E-04	3.07E-04	2.01E-04
3058	563037.9	4234125	2.98E-03	2.66E-03	5.05E-04	4.26E-04	2.40E-03	1.95E-03	3.94E-04	3.78E-04	2.94E-04	1.93E-04
3059	563046.7	4234123	2.86E-03	2.55E-03	4.85E-04	4.09E-04	2.31E-03	1.87E-03	3.78E-04	3.63E-04	2.82E-04	1.85E-04
3060	563055.4	4234120	2.74E-03	2.44E-03	4.65E-04	3.92E-04	2.21E-03	1.79E-03	3.62E-04	3.48E-04	2.71E-04	1.78E-04
3061	563064.1	4234117	2.62E-03	2.34E-03	4.45E-04	3.75E-04	2.12E-03	1.72E-03	3.47E-04	3.33E-04	2.59E-04	1.70E-04
3062	563072.9	4234114	2.51E-03	2.24E-03	4.26E-04	3.59E-04	2.03E-03	1.64E-03	3.32E-04	3.19E-04	2.48E-04	1.63E-04
3063	563081.6	4234111	2.40E-03	2.14E-03	4.07E-04	3.43E-04	1.94E-03	1.57E-03	3.18E-04	3.05E-04	2.37E-04	1.56E-04
3064	563090.3	4234109	2.30E-03	2.05E-03	3.90E-04	3.28E-04	1.85E-03	1.50E-03	3.04E-04	2.91E-04	2.27E-04	1.49E-04
3065	563099	4234106	2.20E-03	1.96E-03	3.73E-04	3.14E-04	1.77E-03	1.44E-03	2.90E-04	2.79E-04	2.17E-04	1.42E-04
3066	563107.8	4234103	2.10E-03	1.87E-03	3.56E-04	3.00E-04	1.70E-03	1.37E-03	2.78E-04	2.67E-04	2.07E-04	1.36E-04
3067	563116.5	4234100	2.01E-03	1.79E-03	3.41E-04	2.88E-04	1.62E-03	1.32E-03	2.66E-04	2.55E-04	1.99E-04	1.30E-04
3068	563125.2	4234097	1.93E-03	1.72E-03	3.27E-04	2.76E-04	1.56E-03	1.26E-03	2.55E-04	2.45E-04	1.90E-04	1.25E-04
3069	562551.6	4234587	1.90E-03	1.69E-03	3.22E-04	2.72E-04	1.53E-03	1.24E-03	2.51E-04	2.41E-04	1.88E-04	1.23E-04
3070	562550.8	4234596	1.89E-03	1.69E-03	3.21E-04	2.71E-04	1.53E-03	1.24E-03	2.50E-04	2.40E-04	1.87E-04	1.23E-04
3071	562550	4234605	1.88E-03	1.68E-03	3.19E-04	2.69E-04	1.52E-03	1.23E-03	2.49E-04	2.39E-04	1.86E-04	1.22E-04
3072	562549.2	4234615	1.86E-03	1.66E-03	3.16E-04	2.66E-04	1.50E-03	1.22E-03	2.46E-04	2.36E-04	1.84E-04	1.21E-04
3073	562548.4	4234624	1.84E-03	1.64E-03	3.12E-04	2.63E-04	1.49E-03	1.20E-03	2.43E-04	2.34E-04	1.82E-04	1.19E-04
3074	562547.6	4234633	1.81E-03	1.62E-03	3.08E-04	2.59E-04	1.46E-03	1.19E-03	2.40E-04	2.30E-04	1.79E-04	1.18E-04
3075	562546.8	4234643	1.78E-03	1.59E-03	3.03E-04	2.55E-04	1.44E-03	1.17E-03	2.36E-04	2.26E-04	1.76E-04	1.16E-04
3076	562546	4234652	1.75E-03	1.56E-03	2.97E-04	2.50E-04	1.41E-03	1.14E-03	2.31E-04	2.22E-04	1.73E-04	1.13E-04
3077	562545.3	4234661	1.71E-03	1.53E-03	2.90E-04	2.44E-04	1.38E-03	1.12E-03	2.26E-04	2.17E-04	1.69E-04	1.11E-04
3078	562544.5	4234671	1.67E-03	1.49E-03	2.83E-04	2.39E-04	1.35E-03	1.09E-03	2.21E-04	2.12E-04	1.65E-04	1.08E-04

3079	562543.7	4234680	1.62E-03	1.45E-03	2.76E-04	2.32E-04	1.31E-03	1.06E-03	2.15E-04	2.06E-04	1.60E-04	1.05E-04
3080	562542.9	4234689	1.58E-03	1.41E-03	2.68E-04	2.26E-04	1.27E-03	1.03E-03	2.09E-04	2.00E-04	1.56E-04	1.02E-04
3081	562542.1	4234699	1.53E-03	1.37E-03	2.60E-04	2.19E-04	1.24E-03	1.00E-03	2.03E-04	1.94E-04	1.51E-04	9.93E-05
3082	562516	4234575	1.76E-03	1.57E-03	2.98E-04	2.51E-04	1.42E-03	1.15E-03	2.32E-04	2.23E-04	1.74E-04	1.14E-04
3083	562520.3	4234567	1.77E-03	1.58E-03	3.00E-04	2.53E-04	1.43E-03	1.16E-03	2.34E-04	2.25E-04	1.75E-04	1.15E-04
3084	562524.5	4234559	1.78E-03	1.59E-03	3.02E-04	2.55E-04	1.44E-03	1.17E-03	2.36E-04	2.26E-04	1.76E-04	1.15E-04
3085	562528.7	4234551	1.79E-03	1.59E-03	3.03E-04	2.56E-04	1.44E-03	1.17E-03	2.36E-04	2.27E-04	1.76E-04	1.16E-04
3086	562533	4234542	1.79E-03	1.60E-03	3.04E-04	2.56E-04	1.44E-03	1.17E-03	2.37E-04	2.27E-04	1.77E-04	1.16E-04
3087	562537.2	4234534	1.79E-03	1.60E-03	3.03E-04	2.56E-04	1.44E-03	1.17E-03	2.36E-04	2.27E-04	1.77E-04	1.16E-04
3088	562541.5	4234526	1.78E-03	1.59E-03	3.03E-04	2.55E-04	1.44E-03	1.17E-03	2.36E-04	2.26E-04	1.76E-04	1.16E-04
3089	562545.7	4234518	1.78E-03	1.58E-03	3.01E-04	2.54E-04	1.43E-03	1.16E-03	2.35E-04	2.25E-04	1.75E-04	1.15E-04
3090	562549.9	4234510	1.76E-03	1.57E-03	2.99E-04	2.52E-04	1.42E-03	1.15E-03	2.33E-04	2.24E-04	1.74E-04	1.14E-04
3091	562554.2	4234501	1.75E-03	1.56E-03	2.97E-04	2.50E-04	1.41E-03	1.15E-03	2.32E-04	2.22E-04	1.73E-04	1.14E-04
3092	562558.4	4234493	1.74E-03	1.55E-03	2.94E-04	2.48E-04	1.40E-03	1.14E-03	2.30E-04	2.20E-04	1.71E-04	1.12E-04
3093	562562.7	4234485	1.72E-03	1.53E-03	2.91E-04	2.46E-04	1.39E-03	1.12E-03	2.27E-04	2.18E-04	1.70E-04	1.11E-04
3094	562566.9	4234477	1.70E-03	1.51E-03	2.88E-04	2.43E-04	1.37E-03	1.11E-03	2.25E-04	2.15E-04	1.68E-04	1.10E-04
3095	562571.1	4234469	1.68E-03	1.50E-03	2.84E-04	2.40E-04	1.35E-03	1.10E-03	2.22E-04	2.13E-04	1.66E-04	1.09E-04
3096	562575.4	4234460	1.65E-03	1.48E-03	2.81E-04	2.36E-04	1.34E-03	1.08E-03	2.19E-04	2.10E-04	1.63E-04	1.07E-04
3097	562579.6	4234452	1.63E-03	1.45E-03	2.77E-04	2.33E-04	1.32E-03	1.07E-03	2.16E-04	2.07E-04	1.61E-04	1.06E-04
3098	562583.9	4234444	1.61E-03	1.43E-03	2.72E-04	2.30E-04	1.30E-03	1.05E-03	2.12E-04	2.04E-04	1.59E-04	1.04E-04
3099	562588.1	4234436	1.58E-03	1.41E-03	2.68E-04	2.26E-04	1.28E-03	1.03E-03	2.09E-04	2.01E-04	1.56E-04	1.02E-04
3100	562592.3	4234428	1.56E-03	1.39E-03	2.64E-04	2.23E-04	1.26E-03	1.02E-03	2.06E-04	1.98E-04	1.54E-04	1.01E-04
3101	562596.6	4234419	1.53E-03	1.37E-03	2.60E-04	2.19E-04	1.24E-03	1.00E-03	2.03E-04	1.95E-04	1.51E-04	9.94E-05
3102	562600.8	4234411	1.51E-03	1.35E-03	2.56E-04	2.16E-04	1.22E-03	9.89E-04	2.00E-04	1.92E-04	1.49E-04	9.79E-05
3103	562605.1	4234403	1.49E-03	1.33E-03	2.53E-04	2.13E-04	1.20E-03	9.76E-04	1.97E-04	1.89E-04	1.47E-04	9.66E-05
3104	562609.3	4234395	1.47E-03	1.31E-03	2.50E-04	2.11E-04	1.19E-03	9.64E-04	1.95E-04	1.87E-04	1.46E-04	9.55E-05
3105	562613.5	4234387	1.46E-03	1.30E-03	2.48E-04	2.09E-04	1.18E-03	9.55E-04	1.93E-04	1.85E-04	1.44E-04	9.46E-05
3106	562617.8	4234378	1.44E-03	1.29E-03	2.45E-04	2.06E-04	1.16E-03	9.43E-04	1.91E-04	1.83E-04	1.42E-04	9.34E-05
3107	562622	4234370	1.43E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.33E-04	1.89E-04	1.81E-04	1.41E-04	9.24E-05
3108	562626.3	4234362	1.42E-03	1.26E-03	2.40E-04	2.03E-04	1.14E-03	9.27E-04	1.87E-04	1.80E-04	1.40E-04	9.18E-05
3109	562630.5	4234354	1.41E-03	1.26E-03	2.39E-04	2.02E-04	1.14E-03	9.23E-04	1.87E-04	1.79E-04	1.39E-04	9.14E-05
3110	562634.7	4234346	1.41E-03	1.26E-03	2.39E-04	2.01E-04	1.14E-03	9.22E-04	1.86E-04	1.79E-04	1.39E-04	9.13E-05
3111	562639	4234337	1.41E-03	1.26E-03	2.40E-04	2.02E-04	1.14E-03	9.24E-04	1.87E-04	1.79E-04	1.39E-04	9.15E-05
3112	562643.2	4234329	1.42E-03	1.27E-03	2.41E-04	2.03E-04	1.15E-03	9.28E-04	1.88E-04	1.80E-04	1.40E-04	9.19E-05
3113	562647.5	4234321	1.44E-03	1.29E-03	2.44E-04	2.06E-04	1.16E-03	9.43E-04	1.91E-04	1.83E-04	1.42E-04	9.34E-05
3114	562651.7	4234313	1.47E-03	1.31E-03	2.50E-04	2.11E-04	1.19E-03	9.63E-04	1.95E-04	1.87E-04	1.45E-04	9.54E-05
3115	562655.9	4234305	1.51E-03	1.35E-03	2.56E-04	2.16E-04	1.22E-03	9.88E-04	2.00E-04	1.92E-04	1.49E-04	9.79E-05
3116	562660.2	4234296	1.55E-03	1.38E-03	2.63E-04	2.21E-04	1.25E-03	1.01E-03	2.05E-04	1.96E-04	1.53E-04	1.00E-04
3117	562664.4	4234288	1.59E-03	1.42E-03	2.70E-04	2.27E-04	1.28E-03	1.04E-03	2.10E-04	2.02E-04	1.57E-04	1.03E-04
3118	562668.7	4234280	1.63E-03	1.46E-03	2.77E-04	2.34E-04	1.32E-03	1.07E-03	2.16E-04	2.07E-04	1.61E-04	1.06E-04
3119	562672.9	4234272	1.68E-03	1.50E-03	2.85E-04	2.40E-04	1.36E-03	1.10E-03	2.22E-04	2.13E-04	1.66E-04	1.09E-04
3120	562677.1	4234264	1.72E-03	1.54E-03	2.92E-04	2.46E-04	1.39E-03	1.13E-03	2.28E-04	2.19E-04	1.70E-04	1.12E-04
3121	562681.4	4234255	1.77E-03	1.57E-03	3.00E-04	2.52E-04	1.43E-03	1.16E-03	2.33E-04	2.24E-04	1.74E-04	1.14E-04
3122	562685.6	4234247	1.81E-03	1.61E-03	3.07E-04	2.59E-04	1.46E-03	1.18E-03	2.39E-04	2.30E-04	1.79E-04	1.17E-04
3123	562689.9	4234239	1.85E-03	1.65E-03	3.15E-04	2.65E-04	1.50E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
3124	562694.1	4234231	1.90E-03	1.70E-03	3.23E-04	2.72E-04	1.53E-03	1.24E-03	2.51E-04	2.41E-04	1.88E-04	1.23E-04
3125	562698.3	4234223	1.95E-03	1.74E-03	3.30E-04	2.79E-04	1.57E-03	1.27E-03	2.58E-04	2.47E-04	1.92E-04	1.26E-04
3126	562702.6	4234214	1.99E-03	1.78E-03	3.38E-04	2.85E-04	1.61E-03	1.31E-03	2.64E-04	2.53E-04	1.97E-04	1.29E-04
3127	562706.8	4234206	2.04E-03	1.82E-03	3.46E-04	2.92E-04	1.65E-03	1.34E-03	2.70E-04	2.59E-04	2.02E-04	1.32E-04
3128	562711	4234198	2.09E-03	1.86E-03	3.55E-04	2.99E-04	1.69E-03	1.37E-03	2.76E-04	2.65E-04	2.06E-04	1.35E-04
3129	562724.1	4234187	2.22E-03	1.98E-03	3.77E-04	3.18E-04	1.79E-03	1.45E-03	2.94E-04	2.82E-04	2.19E-04	1.44E-04
3130	562732.9	4234184	2.31E-03	2.06E-03	3.91E-04	3.30E-04	1.86E-03	1.51E-03	3.05E-04	2.93E-04	2.28E-04	1.50E-04
3131	562741.7	4234181	2.40E-03	2.14E-03	4.06E-04	3.43E-04	1.93E-03	1.57E-03	3.17E-04	3.04E-04	2.37E-04	1.55E-04
3132	562750.5	4234179	2.49E-03	2.22E-03	4.22E-04	3.56E-04	2.01E-03	1.63E-03	3.29E-04	3.16E-04	2.46E-04	1.61E-04
3133	562759.2	4234176	2.58E-03	2.30E-03	4.38E-04	3.69E-04	2.08E-03	1.69E-03	3.41E-04	3.27E-04	2.55E-04	1.67E-04
3134	562768	4234173	2.67E-03	2.38E-03	4.54E-04	3.82E-04	2.16E-03	1.75E-03	3.53E-04	3.39E-04	2.64E-04	1.73E-04
3135	562776.8	4234170	2.77E-03	2.47E-03	4.70E-04	3.96E-04	2.23E-03	1.81E-03	3.66E-04	3.51E-04	2.73E-04	1.79E-04
3136	562785.6	4234167	2.86E-03	2.55E-03	4.86E-04	4.09E-04	2.31E-03	1.87E-03	3.79E-04	3.63E-04	2.83E-04	1.86E-04
3137	562794.4	4234165	2.96E-03	2.64E-03	5.02E-04	4.23E-04	2.39E-03	1.94E-03	3.91E-04	3.75E-04	2.92E-04	1.92E-04
3138	562803.2	4234162	3.05E-03	2.72E-03	5.18E-04	4.36E-04	2.46E-03	2.00E-03	4.03E-04	3.87E-04	3.01E-04	1.98E-04
3139	562812	4234159	3.14E-03	2.80E-03	5.33E-04	4.49E-04	2.54E-03	2.06E-03	4.16E-04	3.99E-04	3.10E-04	2.04E-04
3140	562820.8	4234156	3.23E-03	2.88E-03	5.48E-04	4.62E-04	2.61E-03	2.11E-03	4.27E-04	4.10E-04	3.19E-04	2.09E-04
3141	562829.6	4234153	3.32E-03	2.96E-03	5.63E-04	4.74E-04	2.68E-03	2.17E-03	4.39E-04	4.21E-04	3.28E-04	2.15E-04
3142	562838.4	4234150	3.40E-03	3.03E-03	5.76E-04	4.86E-04	2.74E-03	2.22E-03	4.49E-04	4.31E-04	3.35E-04	2.20E-04
3143	562847.1	4234148	3.47E-03	3.10E-03	5.89E-04	4.96E-04	2.80E-03	2.27E-03	4.59E-04	4.40E-04	3.43E-04	2.25E-04
3144	562855.9	4234145	3.54E-03	3.16E-03	6.00E-04	5.06E-04	2.86E-03	2.32E-03	4.68E-04	4.49E-04	3.49E-04	2.29E-04
3145	562864.7	4234142	3.60E-03	3.21E-03	6.10E-04	5.15E-04	2.90E-03	2.35E-03	4.76E-04	4.57E-04	3.55E-04	2.33E-04

3146	562873.5	4234139	3.65E-03	3.25E-03	6.19E-04	5.22E-04	2.95E-03	2.39E-03	4.82E-04	4.63E-04	3.60E-04	2.36E-04
3147	562882.3	4234136	3.69E-03	3.29E-03	6.26E-04	5.27E-04	2.98E-03	2.41E-03	4.88E-04	4.68E-04	3.64E-04	2.39E-04
3148	562891.1	4234134	3.72E-03	3.32E-03	6.31E-04	5.32E-04	3.00E-03	2.43E-03	4.92E-04	4.72E-04	3.67E-04	2.41E-04
3149	562899.9	4234131	3.74E-03	3.33E-03	6.34E-04	5.34E-04	3.02E-03	2.44E-03	4.94E-04	4.74E-04	3.69E-04	2.42E-04
3150	562908.7	4234128	3.74E-03	3.34E-03	6.35E-04	5.35E-04	3.02E-03	2.45E-03	4.95E-04	4.75E-04	3.69E-04	2.42E-04
3151	562917.5	4234125	3.73E-03	3.33E-03	6.34E-04	5.34E-04	3.02E-03	2.44E-03	4.94E-04	4.74E-04	3.69E-04	2.42E-04
3152	562926.3	4234122	3.72E-03	3.31E-03	6.31E-04	5.31E-04	3.00E-03	2.43E-03	4.91E-04	4.72E-04	3.67E-04	2.41E-04
3153	562935.1	4234120	3.69E-03	3.29E-03	6.25E-04	5.27E-04	2.98E-03	2.41E-03	4.87E-04	4.68E-04	3.64E-04	2.39E-04
3154	562943.8	4234117	3.64E-03	3.25E-03	6.18E-04	5.21E-04	2.94E-03	2.38E-03	4.82E-04	4.62E-04	3.60E-04	2.36E-04
3155	562952.6	4234114	3.59E-03	3.20E-03	6.09E-04	5.13E-04	2.90E-03	2.35E-03	4.75E-04	4.55E-04	3.54E-04	2.33E-04
3156	562961.4	4234111	3.52E-03	3.14E-03	5.98E-04	5.04E-04	2.85E-03	2.31E-03	4.66E-04	4.47E-04	3.48E-04	2.28E-04
3157	562987.8	4234103	3.28E-03	2.92E-03	5.56E-04	4.69E-04	2.65E-03	2.14E-03	4.33E-04	4.16E-04	3.24E-04	2.12E-04
3158	562996.6	4234100	3.18E-03	2.84E-03	5.40E-04	4.55E-04	2.57E-03	2.08E-03	4.21E-04	4.04E-04	3.14E-04	2.06E-04
3159	563005.4	4234097	3.08E-03	2.75E-03	5.22E-04	4.40E-04	2.49E-03	2.01E-03	4.07E-04	3.91E-04	3.04E-04	1.99E-04
3160	563014.2	4234094	2.96E-03	2.64E-03	5.02E-04	4.23E-04	2.39E-03	1.94E-03	3.91E-04	3.75E-04	2.92E-04	1.92E-04
3161	563023	4234091	2.84E-03	2.53E-03	4.82E-04	4.06E-04	2.29E-03	1.86E-03	3.75E-04	3.60E-04	2.80E-04	1.84E-04
3162	563031.8	4234089	2.72E-03	2.42E-03	4.61E-04	3.89E-04	2.19E-03	1.78E-03	3.59E-04	3.45E-04	2.68E-04	1.76E-04
3163	563040.5	4234086	2.61E-03	2.33E-03	4.42E-04	3.73E-04	2.11E-03	1.71E-03	3.45E-04	3.31E-04	2.58E-04	1.69E-04
3164	563049.3	4234083	2.50E-03	2.23E-03	4.25E-04	3.58E-04	2.02E-03	1.64E-03	3.31E-04	3.18E-04	2.47E-04	1.62E-04
3165	563058.1	4234080	2.40E-03	2.14E-03	4.07E-04	3.43E-04	1.94E-03	1.57E-03	3.17E-04	3.04E-04	2.37E-04	1.56E-04
3166	563066.9	4234077	2.30E-03	2.05E-03	3.90E-04	3.29E-04	1.86E-03	1.50E-03	3.04E-04	2.92E-04	2.27E-04	1.49E-04
3167	563075.7	4234075	2.20E-03	1.96E-03	3.74E-04	3.15E-04	1.78E-03	1.44E-03	2.91E-04	2.79E-04	2.17E-04	1.43E-04
3168	563084.5	4234072	2.11E-03	1.88E-03	3.58E-04	3.01E-04	1.70E-03	1.38E-03	2.79E-04	2.67E-04	2.08E-04	1.37E-04
3169	563093.3	4234069	2.02E-03	1.80E-03	3.43E-04	2.89E-04	1.63E-03	1.32E-03	2.67E-04	2.56E-04	1.99E-04	1.31E-04
3170	563102.1	4234066	1.93E-03	1.73E-03	3.28E-04	2.77E-04	1.56E-03	1.27E-03	2.56E-04	2.45E-04	1.91E-04	1.25E-04
3171	563110.9	4234063	1.85E-03	1.65E-03	3.15E-04	2.65E-04	1.50E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
3172	563119.7	4234060	1.78E-03	1.59E-03	3.02E-04	2.54E-04	1.44E-03	1.16E-03	2.35E-04	2.26E-04	1.76E-04	1.15E-04
3173	563128.5	4234058	1.71E-03	1.53E-03	2.90E-04	2.45E-04	1.38E-03	1.12E-03	2.26E-04	2.17E-04	1.69E-04	1.11E-04
3174	562511.8	4234583	1.74E-03	1.55E-03	2.95E-04	2.49E-04	1.40E-03	1.14E-03	2.30E-04	2.21E-04	1.72E-04	1.13E-04
3175	562511	4234593	1.73E-03	1.54E-03	2.93E-04	2.47E-04	1.40E-03	1.13E-03	2.29E-04	2.19E-04	1.71E-04	1.12E-04
3176	562510.2	4234602	1.72E-03	1.53E-03	2.91E-04	2.45E-04	1.39E-03	1.12E-03	2.27E-04	2.18E-04	1.69E-04	1.11E-04
3177	562509.4	4234611	1.70E-03	1.51E-03	2.88E-04	2.43E-04	1.37E-03	1.11E-03	2.25E-04	2.15E-04	1.68E-04	1.10E-04
3178	562508.6	4234621	1.68E-03	1.50E-03	2.84E-04	2.40E-04	1.35E-03	1.10E-03	2.22E-04	2.13E-04	1.66E-04	1.09E-04
3179	562507.8	4234630	1.65E-03	1.47E-03	2.80E-04	2.36E-04	1.33E-03	1.08E-03	2.18E-04	2.09E-04	1.63E-04	1.07E-04
3180	562507	4234639	1.62E-03	1.45E-03	2.75E-04	2.32E-04	1.31E-03	1.06E-03	2.15E-04	2.06E-04	1.60E-04	1.05E-04
3181	562506.2	4234649	1.59E-03	1.42E-03	2.70E-04	2.27E-04	1.28E-03	1.04E-03	2.10E-04	2.02E-04	1.57E-04	1.03E-04
3182	562505.4	4234658	1.56E-03	1.39E-03	2.64E-04	2.22E-04	1.26E-03	1.02E-03	2.06E-04	1.97E-04	1.54E-04	1.01E-04
3183	562504.6	4234667	1.52E-03	1.36E-03	2.58E-04	2.17E-04	1.23E-03	9.94E-04	2.01E-04	1.93E-04	1.50E-04	9.84E-05
3184	562503.8	4234677	1.48E-03	1.32E-03	2.51E-04	2.12E-04	1.20E-03	9.69E-04	1.96E-04	1.88E-04	1.46E-04	9.59E-05
3185	562503	4234686	1.44E-03	1.28E-03	2.44E-04	2.06E-04	1.16E-03	9.42E-04	1.90E-04	1.83E-04	1.42E-04	9.33E-05
3186	562502.2	4234695	1.40E-03	1.25E-03	2.37E-04	2.00E-04	1.13E-03	9.15E-04	1.85E-04	1.77E-04	1.38E-04	9.06E-05
3187	562476.2	4234572	1.62E-03	1.44E-03	2.74E-04	2.31E-04	1.30E-03	1.06E-03	2.14E-04	2.05E-04	1.60E-04	1.05E-04
3188	562480.5	4234563	1.63E-03	1.45E-03	2.77E-04	2.33E-04	1.32E-03	1.07E-03	2.16E-04	2.07E-04	1.61E-04	1.06E-04
3189	562484.7	4234555	1.64E-03	1.47E-03	2.79E-04	2.35E-04	1.33E-03	1.07E-03	2.17E-04	2.08E-04	1.62E-04	1.06E-04
3190	562489	4234547	1.65E-03	1.47E-03	2.80E-04	2.36E-04	1.33E-03	1.08E-03	2.18E-04	2.09E-04	1.63E-04	1.07E-04
3191	562493.3	4234539	1.66E-03	1.48E-03	2.81E-04	2.37E-04	1.34E-03	1.08E-03	2.19E-04	2.10E-04	1.64E-04	1.07E-04
3192	562497.5	4234530	1.66E-03	1.48E-03	2.81E-04	2.37E-04	1.34E-03	1.08E-03	2.19E-04	2.10E-04	1.64E-04	1.07E-04
3193	562501.8	4234522	1.66E-03	1.48E-03	2.81E-04	2.37E-04	1.34E-03	1.08E-03	2.19E-04	2.10E-04	1.64E-04	1.07E-04
3194	562506	4234514	1.65E-03	1.47E-03	2.80E-04	2.36E-04	1.33E-03	1.08E-03	2.19E-04	2.10E-04	1.63E-04	1.07E-04
3195	562510.3	4234506	1.65E-03	1.47E-03	2.79E-04	2.35E-04	1.33E-03	1.08E-03	2.18E-04	2.09E-04	1.62E-04	1.07E-04
3196	562514.6	4234497	1.64E-03	1.46E-03	2.77E-04	2.34E-04	1.32E-03	1.07E-03	2.16E-04	2.07E-04	1.61E-04	1.06E-04
3197	562518.8	4234489	1.62E-03	1.45E-03	2.75E-04	2.32E-04	1.31E-03	1.06E-03	2.15E-04	2.06E-04	1.60E-04	1.05E-04
3198	562523.1	4234481	1.61E-03	1.43E-03	2.73E-04	2.30E-04	1.30E-03	1.05E-03	2.13E-04	2.04E-04	1.59E-04	1.04E-04
3199	562527.4	4234473	1.59E-03	1.42E-03	2.70E-04	2.28E-04	1.28E-03	1.04E-03	2.10E-04	2.02E-04	1.57E-04	1.03E-04
3200	562531.6	4234465	1.57E-03	1.40E-03	2.67E-04	2.25E-04	1.27E-03	1.03E-03	2.08E-04	2.00E-04	1.55E-04	1.02E-04
3201	562535.9	4234456	1.55E-03	1.38E-03	2.63E-04	2.22E-04	1.25E-03	1.02E-03	2.05E-04	1.97E-04	1.53E-04	1.01E-04
3202	562540.2	4234448	1.53E-03	1.37E-03	2.60E-04	2.19E-04	1.24E-03	1.00E-03	2.02E-04	1.94E-04	1.51E-04	9.92E-05
3203	562544.4	4234440	1.51E-03	1.35E-03	2.56E-04	2.16E-04	1.22E-03	9.87E-04	1.99E-04	1.91E-04	1.49E-04	9.77E-05
3204	562548.7	4234432	1.48E-03	1.32E-03	2.52E-04	2.12E-04	1.20E-03	9.71E-04	1.96E-04	1.88E-04	1.47E-04	9.62E-05
3205	562553	4234423	1.46E-03	1.30E-03	2.48E-04	2.09E-04	1.18E-03	9.56E-04	1.93E-04	1.85E-04	1.44E-04	9.46E-05
3206	562557.2	4234415	1.44E-03	1.28E-03	2.44E-04	2.05E-04	1.16E-03	9.40E-04	1.90E-04	1.82E-04	1.42E-04	9.31E-05
3207	562561.5	4234407	1.41E-03	1.26E-03	2.40E-04	2.02E-04	1.14E-03	9.25E-04	1.87E-04	1.79E-04	1.40E-04	9.16E-05
3208	562565.8	4234399	1.39E-03	1.24E-03	2.36E-04	1.99E-04	1.12E-03	9.10E-04	1.84E-04	1.76E-04	1.37E-04	9.01E-05
3209	562570	4234390	1.37E-03	1.22E-03	2.32E-04	1.96E-04	1.11E-03	8.96E-04	1.81E-04	1.74E-04	1.35E-04	8.88E-05
3210	562574.3	4234382	1.35E-03	1.21E-03	2.29E-04	1.93E-04	1.09E-03	8.84E-04	1.79E-04	1.71E-04	1.33E-04	8.75E-05
3211	562578.6	4234374	1.33E-03	1.19E-03	2.26E-04	1.91E-04	1.08E-03	8.73E-04	1.76E-04	1.69E-04	1.32E-04	8.65E-05
3212	562582.8	4234366	1.32E-03	1.18E-03	2.24E-04	1.89E-04	1.07E-03	8.65E-04	1.75E-04	1.68E-04	1.30E-04	8.56E-05

3213	562587.1	4234357	1.31E-03	1.17E-03	2.22E-04	1.88E-04	1.06E-03	8.58E-04	1.73E-04	1.66E-04	1.29E-04	8.50E-05
3214	562591.4	4234349	1.30E-03	1.16E-03	2.21E-04	1.87E-04	1.05E-03	8.54E-04	1.73E-04	1.66E-04	1.29E-04	8.46E-05
3215	562595.6	4234341	1.30E-03	1.16E-03	2.21E-04	1.86E-04	1.05E-03	8.52E-04	1.72E-04	1.65E-04	1.29E-04	8.44E-05
3216	562599.9	4234333	1.30E-03	1.16E-03	2.21E-04	1.86E-04	1.05E-03	8.51E-04	1.72E-04	1.65E-04	1.28E-04	8.43E-05
3217	562604.2	4234324	1.30E-03	1.16E-03	2.20E-04	1.85E-04	1.05E-03	8.48E-04	1.71E-04	1.64E-04	1.28E-04	8.40E-05
3218	562608.4	4234316	1.29E-03	1.15E-03	2.19E-04	1.85E-04	1.04E-03	8.45E-04	1.71E-04	1.64E-04	1.28E-04	8.37E-05
3219	562612.7	4234308	1.29E-03	1.15E-03	2.18E-04	1.84E-04	1.04E-03	8.42E-04	1.70E-04	1.63E-04	1.27E-04	8.34E-05
3220	562617	4234300	1.30E-03	1.16E-03	2.20E-04	1.86E-04	1.05E-03	8.50E-04	1.72E-04	1.65E-04	1.28E-04	8.42E-05
3221	562621.2	4234291	1.32E-03	1.18E-03	2.24E-04	1.89E-04	1.06E-03	8.63E-04	1.74E-04	1.67E-04	1.30E-04	8.55E-05
3222	562625.5	4234283	1.34E-03	1.20E-03	2.28E-04	1.92E-04	1.08E-03	8.78E-04	1.77E-04	1.70E-04	1.32E-04	8.69E-05
3223	562629.8	4234275	1.37E-03	1.22E-03	2.32E-04	1.96E-04	1.10E-03	8.95E-04	1.81E-04	1.73E-04	1.35E-04	8.86E-05
3224	562634	4234267	1.40E-03	1.24E-03	2.37E-04	2.00E-04	1.13E-03	9.13E-04	1.85E-04	1.77E-04	1.38E-04	9.04E-05
3225	562638.3	4234258	1.43E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.33E-04	1.89E-04	1.81E-04	1.41E-04	9.24E-05
3226	562642.5	4234250	1.46E-03	1.30E-03	2.47E-04	2.09E-04	1.18E-03	9.54E-04	1.93E-04	1.85E-04	1.44E-04	9.45E-05
3227	562646.8	4234242	1.51E-03	1.34E-03	2.55E-04	2.15E-04	1.22E-03	9.85E-04	1.99E-04	1.91E-04	1.49E-04	9.76E-05
3228	562651.1	4234234	1.56E-03	1.39E-03	2.65E-04	2.23E-04	1.26E-03	1.02E-03	2.06E-04	1.98E-04	1.54E-04	1.01E-04
3229	562655.3	4234225	1.61E-03	1.44E-03	2.73E-04	2.30E-04	1.30E-03	1.05E-03	2.13E-04	2.04E-04	1.59E-04	1.04E-04
3230	562659.6	4234217	1.66E-03	1.48E-03	2.81E-04	2.37E-04	1.34E-03	1.09E-03	2.19E-04	2.11E-04	1.64E-04	1.08E-04
3231	562663.9	4234209	1.70E-03	1.52E-03	2.88E-04	2.43E-04	1.37E-03	1.11E-03	2.25E-04	2.16E-04	1.68E-04	1.10E-04
3232	562668.1	4234201	1.74E-03	1.55E-03	2.95E-04	2.49E-04	1.41E-03	1.14E-03	2.30E-04	2.21E-04	1.72E-04	1.13E-04
3233	562672.4	4234192	1.78E-03	1.59E-03	3.02E-04	2.55E-04	1.44E-03	1.17E-03	2.36E-04	2.26E-04	1.76E-04	1.16E-04
3234	562676.7	4234184	1.82E-03	1.63E-03	3.09E-04	2.61E-04	1.47E-03	1.19E-03	2.41E-04	2.31E-04	1.80E-04	1.18E-04
3235	562680.9	4234176	1.87E-03	1.66E-03	3.17E-04	2.67E-04	1.51E-03	1.22E-03	2.47E-04	2.37E-04	1.84E-04	1.21E-04
3236	562685.2	4234168	1.91E-03	1.70E-03	3.24E-04	2.73E-04	1.54E-03	1.25E-03	2.52E-04	2.42E-04	1.88E-04	1.24E-04
3237	562698.3	4234156	2.02E-03	1.80E-03	3.43E-04	2.89E-04	1.63E-03	1.32E-03	2.68E-04	2.57E-04	2.00E-04	1.31E-04
3238	562707.2	4234154	2.10E-03	1.87E-03	3.56E-04	3.00E-04	1.69E-03	1.37E-03	2.78E-04	2.66E-04	2.07E-04	1.36E-04
3239	562716	4234151	2.18E-03	1.94E-03	3.69E-04	3.11E-04	1.76E-03	1.42E-03	2.88E-04	2.76E-04	2.15E-04	1.41E-04
3240	562724.8	4234148	2.26E-03	2.01E-03	3.83E-04	3.23E-04	1.82E-03	1.48E-03	2.98E-04	2.86E-04	2.23E-04	1.46E-04
3241	562733.7	4234145	2.34E-03	2.09E-03	3.97E-04	3.34E-04	1.89E-03	1.53E-03	3.09E-04	2.97E-04	2.31E-04	1.52E-04
3242	562742.5	4234142	2.42E-03	2.16E-03	4.11E-04	3.46E-04	1.96E-03	1.58E-03	3.20E-04	3.07E-04	2.39E-04	1.57E-04
3243	562751.4	4234139	2.51E-03	2.24E-03	4.25E-04	3.58E-04	2.02E-03	1.64E-03	3.31E-04	3.18E-04	2.47E-04	1.62E-04
3244	562760.2	4234137	2.59E-03	2.31E-03	4.39E-04	3.70E-04	2.09E-03	1.69E-03	3.43E-04	3.29E-04	2.56E-04	1.68E-04
3245	562769.1	4234134	2.67E-03	2.39E-03	4.54E-04	3.83E-04	2.16E-03	1.75E-03	3.54E-04	3.39E-04	2.64E-04	1.73E-04
3246	562777.9	4234131	2.76E-03	2.46E-03	4.68E-04	3.95E-04	2.23E-03	1.81E-03	3.65E-04	3.50E-04	2.73E-04	1.79E-04
3247	562786.8	4234128	2.84E-03	2.54E-03	4.82E-04	4.07E-04	2.30E-03	1.86E-03	3.76E-04	3.61E-04	2.81E-04	1.84E-04
3248	562795.6	4234125	2.92E-03	2.61E-03	4.96E-04	4.18E-04	2.36E-03	1.91E-03	3.87E-04	3.71E-04	2.89E-04	1.90E-04
3249	562804.4	4234123	3.00E-03	2.68E-03	5.10E-04	4.29E-04	2.42E-03	1.97E-03	3.97E-04	3.81E-04	2.97E-04	1.95E-04
3250	562813.3	4234120	3.08E-03	2.75E-03	5.22E-04	4.40E-04	2.49E-03	2.01E-03	4.07E-04	3.91E-04	3.04E-04	2.00E-04
3251	562822.1	4234117	3.15E-03	2.81E-03	5.35E-04	4.51E-04	2.54E-03	2.06E-03	4.17E-04	4.00E-04	3.11E-04	2.04E-04
3252	562831	4234114	3.22E-03	2.87E-03	5.46E-04	4.60E-04	2.60E-03	2.10E-03	4.25E-04	4.08E-04	3.18E-04	2.08E-04
3253	562839.8	4234111	3.28E-03	2.92E-03	5.56E-04	4.69E-04	2.65E-03	2.14E-03	4.33E-04	4.16E-04	3.24E-04	2.12E-04
3254	562848.7	4234108	3.33E-03	2.97E-03	5.65E-04	4.76E-04	2.69E-03	2.18E-03	4.40E-04	4.23E-04	3.29E-04	2.16E-04
3255	562857.5	4234106	3.38E-03	3.01E-03	5.73E-04	4.83E-04	2.73E-03	2.21E-03	4.46E-04	4.28E-04	3.33E-04	2.19E-04
3256	562866.4	4234103	3.41E-03	3.04E-03	5.79E-04	4.88E-04	2.76E-03	2.23E-03	4.51E-04	4.33E-04	3.37E-04	2.21E-04
3257	562875.2	4234100	3.44E-03	3.07E-03	5.84E-04	4.92E-04	2.78E-03	2.25E-03	4.55E-04	4.36E-04	3.40E-04	2.23E-04
3258	562884	4234097	3.46E-03	3.08E-03	5.87E-04	4.94E-04	2.79E-03	2.26E-03	4.57E-04	4.39E-04	3.41E-04	2.24E-04
3259	562892.9	4234094	3.46E-03	3.09E-03	5.88E-04	4.96E-04	2.80E-03	2.27E-03	4.58E-04	4.40E-04	3.42E-04	2.25E-04
3260	562901.7	4234091	3.46E-03	3.09E-03	5.87E-04	4.95E-04	2.79E-03	2.27E-03	4.58E-04	4.39E-04	3.42E-04	2.24E-04
3261	562910.6	4234089	3.45E-03	3.08E-03	5.85E-04	4.93E-04	2.78E-03	2.26E-03	4.56E-04	4.37E-04	3.40E-04	2.23E-04
3262	562919.4	4234086	3.42E-03	3.05E-03	5.81E-04	4.90E-04	2.76E-03	2.24E-03	4.53E-04	4.34E-04	3.38E-04	2.22E-04
3263	562928.3	4234083	3.39E-03	3.02E-03	5.75E-04	4.85E-04	2.74E-03	2.22E-03	4.48E-04	4.30E-04	3.35E-04	2.20E-04
3264	562937.1	4234080	3.34E-03	2.98E-03	5.67E-04	4.78E-04	2.70E-03	2.19E-03	4.42E-04	4.24E-04	3.30E-04	2.17E-04
3265	562946	4234077	3.29E-03	2.93E-03	5.58E-04	4.70E-04	2.66E-03	2.15E-03	4.35E-04	4.17E-04	3.25E-04	2.13E-04
3266	562954.8	4234074	3.23E-03	2.88E-03	5.47E-04	4.61E-04	2.60E-03	2.11E-03	4.27E-04	4.09E-04	3.19E-04	2.09E-04
3267	562990.2	4234063	2.91E-03	2.59E-03	4.93E-04	4.16E-04	2.35E-03	1.90E-03	3.84E-04	3.69E-04	2.87E-04	1.88E-04
3268	562999	4234060	2.81E-03	2.51E-03	4.78E-04	4.03E-04	2.27E-03	1.84E-03	3.72E-04	3.57E-04	2.78E-04	1.82E-04
3269	563007.9	4234057	2.71E-03	2.42E-03	4.61E-04	3.88E-04	2.19E-03	1.78E-03	3.59E-04	3.44E-04	2.68E-04	1.76E-04
3270	563016.7	4234055	2.61E-03	2.32E-03	4.42E-04	3.73E-04	2.10E-03	1.71E-03	3.45E-04	3.31E-04	2.57E-04	1.69E-04
3271	563025.5	4234052	2.50E-03	2.23E-03	4.24E-04	3.57E-04	2.02E-03	1.63E-03	3.30E-04	3.17E-04	2.47E-04	1.62E-04
3272	563034.4	4234049	2.39E-03	2.13E-03	4.06E-04	3.42E-04	1.93E-03	1.56E-03	3.16E-04	3.03E-04	2.36E-04	1.55E-04
3273	563043.2	4234046	2.30E-03	2.05E-03	3.90E-04	3.29E-04	1.86E-03	1.50E-03	3.04E-04	2.92E-04	2.27E-04	1.49E-04
3274	563052.1	4234043	2.21E-03	1.97E-03	3.74E-04	3.15E-04	1.78E-03	1.44E-03	2.92E-04	2.80E-04	2.18E-04	1.43E-04
3275	563060.9	4234040	2.12E-03	1.89E-03	3.59E-04	3.03E-04	1.71E-03	1.38E-03	2.80E-04	2.68E-04	2.09E-04	1.37E-04
3276	563069.8	4234038	2.03E-03	1.81E-03	3.44E-04	2.90E-04	1.64E-03	1.33E-03	2.68E-04	2.57E-04	2.00E-04	1.31E-04
3277	563078.6	4234035	1.95E-03	1.74E-03	3.30E-04	2.78E-04	1.57E-03	1.27E-03	2.57E-04	2.47E-04	1.92E-04	1.26E-04
3278	563087.5	4234032	1.87E-03	1.66E-03	3.17E-04	2.67E-04	1.51E-03	1.22E-03	2.47E-04	2.37E-04	1.84E-04	1.21E-04
3279	563096.3	4234029	1.79E-03	1.60E-03	3.04E-04	2.56E-04	1.44E-03	1.17E-03	2.37E-04	2.27E-04	1.77E-04	1.16E-04

3280	563105.1	4234026	1.72E-03	1.53E-03	2.91E-04	2.46E-04	1.39E-03	1.12E-03	2.27E-04	2.18E-04	1.70E-04	1.11E-04
3281	563114	4234023	1.65E-03	1.47E-03	2.80E-04	2.36E-04	1.33E-03	1.08E-03	2.18E-04	2.09E-04	1.63E-04	1.07E-04
3282	563122.8	4234021	1.59E-03	1.42E-03	2.69E-04	2.27E-04	1.28E-03	1.04E-03	2.10E-04	2.01E-04	1.57E-04	1.03E-04
3283	563131.7	4234018	1.53E-03	1.36E-03	2.59E-04	2.19E-04	1.23E-03	1.00E-03	2.02E-04	1.94E-04	1.51E-04	9.91E-05
3284	562471.9	4234580	1.60E-03	1.42E-03	2.71E-04	2.28E-04	1.29E-03	1.04E-03	2.11E-04	2.03E-04	1.58E-04	1.03E-04
3285	562471.1	4234589	1.59E-03	1.41E-03	2.69E-04	2.27E-04	1.28E-03	1.04E-03	2.10E-04	2.01E-04	1.57E-04	1.03E-04
3286	562470.3	4234599	1.57E-03	1.40E-03	2.67E-04	2.25E-04	1.27E-03	1.03E-03	2.08E-04	1.99E-04	1.55E-04	1.02E-04
3287	562469.5	4234608	1.55E-03	1.39E-03	2.64E-04	2.22E-04	1.25E-03	1.02E-03	2.05E-04	1.97E-04	1.53E-04	1.01E-04
3288	562468.7	4234617	1.53E-03	1.37E-03	2.60E-04	2.19E-04	1.24E-03	1.00E-03	2.03E-04	1.95E-04	1.51E-04	9.94E-05
3289	562467.9	4234627	1.51E-03	1.35E-03	2.56E-04	2.16E-04	1.22E-03	9.88E-04	2.00E-04	1.92E-04	1.49E-04	9.78E-05
3290	562467.1	4234636	1.48E-03	1.32E-03	2.52E-04	2.12E-04	1.20E-03	9.70E-04	1.96E-04	1.88E-04	1.46E-04	9.61E-05
3291	562466.3	4234645	1.45E-03	1.30E-03	2.47E-04	2.08E-04	1.17E-03	9.51E-04	1.92E-04	1.84E-04	1.44E-04	9.42E-05
3292	562465.5	4234655	1.42E-03	1.27E-03	2.41E-04	2.04E-04	1.15E-03	9.31E-04	1.88E-04	1.81E-04	1.41E-04	9.22E-05
3293	562464.7	4234664	1.39E-03	1.24E-03	2.36E-04	1.99E-04	1.12E-03	9.10E-04	1.84E-04	1.76E-04	1.37E-04	9.01E-05
3294	562463.9	4234673	1.36E-03	1.21E-03	2.30E-04	1.94E-04	1.09E-03	8.87E-04	1.79E-04	1.72E-04	1.34E-04	8.79E-05
3295	562463.2	4234682	1.32E-03	1.18E-03	2.24E-04	1.89E-04	1.07E-03	8.64E-04	1.75E-04	1.68E-04	1.30E-04	8.56E-05
3296	562462.4	4234692	1.28E-03	1.14E-03	2.18E-04	1.83E-04	1.04E-03	8.40E-04	1.70E-04	1.63E-04	1.27E-04	8.32E-05
3297	562436.4	4234568	1.49E-03	1.33E-03	2.53E-04	2.13E-04	1.20E-03	9.74E-04	1.97E-04	1.89E-04	1.47E-04	9.65E-05
3298	562440.6	4234560	1.50E-03	1.34E-03	2.55E-04	2.15E-04	1.21E-03	9.85E-04	1.99E-04	1.91E-04	1.49E-04	9.75E-05
3299	562444.9	4234552	1.52E-03	1.35E-03	2.58E-04	2.17E-04	1.23E-03	9.93E-04	2.01E-04	1.93E-04	1.50E-04	9.84E-05
3300	562449.2	4234543	1.53E-03	1.36E-03	2.59E-04	2.19E-04	1.23E-03	1.00E-03	2.02E-04	1.94E-04	1.51E-04	9.90E-05
3301	562453.5	4234535	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.00E-03	2.03E-04	1.95E-04	1.52E-04	9.95E-05
3302	562457.8	4234527	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.01E-03	2.04E-04	1.95E-04	1.52E-04	9.98E-05
3303	562462.1	4234519	1.54E-03	1.38E-03	2.62E-04	2.20E-04	1.24E-03	1.01E-03	2.04E-04	1.96E-04	1.52E-04	9.99E-05
3304	562466.4	4234510	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.01E-03	2.04E-04	1.95E-04	1.52E-04	9.98E-05
3305	562470.7	4234502	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.01E-03	2.03E-04	1.95E-04	1.52E-04	9.96E-05
3306	562475	4234494	1.53E-03	1.36E-03	2.60E-04	2.19E-04	1.24E-03	1.00E-03	2.02E-04	1.94E-04	1.51E-04	9.92E-05
3307	562479.2	4234485	1.52E-03	1.36E-03	2.58E-04	2.18E-04	1.23E-03	9.95E-04	2.01E-04	1.93E-04	1.50E-04	9.86E-05
3308	562483.5	4234477	1.51E-03	1.35E-03	2.56E-04	2.16E-04	1.22E-03	9.88E-04	2.00E-04	1.92E-04	1.49E-04	9.78E-05
3309	562487.8	4234469	1.50E-03	1.33E-03	2.54E-04	2.14E-04	1.21E-03	9.79E-04	1.98E-04	1.90E-04	1.48E-04	9.70E-05
3310	562492.1	4234460	1.48E-03	1.32E-03	2.51E-04	2.12E-04	1.20E-03	9.69E-04	1.96E-04	1.88E-04	1.46E-04	9.60E-05
3311	562496.4	4234452	1.46E-03	1.31E-03	2.48E-04	2.09E-04	1.18E-03	9.58E-04	1.94E-04	1.86E-04	1.45E-04	9.48E-05
3312	562500.7	4234444	1.44E-03	1.29E-03	2.45E-04	2.07E-04	1.17E-03	9.45E-04	1.91E-04	1.83E-04	1.43E-04	9.36E-05
3313	562505	4234436	1.42E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.32E-04	1.88E-04	1.81E-04	1.41E-04	9.23E-05
3314	562509.3	4234427	1.40E-03	1.25E-03	2.38E-04	2.01E-04	1.13E-03	9.18E-04	1.85E-04	1.78E-04	1.38E-04	9.09E-05
3315	562513.6	4234419	1.38E-03	1.23E-03	2.34E-04	1.97E-04	1.11E-03	9.03E-04	1.82E-04	1.75E-04	1.36E-04	8.94E-05
3316	562517.8	4234411	1.36E-03	1.21E-03	2.30E-04	1.94E-04	1.10E-03	8.88E-04	1.79E-04	1.72E-04	1.34E-04	8.79E-05
3317	562522.1	4234402	1.33E-03	1.19E-03	2.26E-04	1.91E-04	1.08E-03	8.72E-04	1.76E-04	1.69E-04	1.32E-04	8.64E-05
3318	562526.4	4234394	1.31E-03	1.17E-03	2.22E-04	1.87E-04	1.06E-03	8.57E-04	1.73E-04	1.66E-04	1.29E-04	8.49E-05
3319	562530.7	4234386	1.29E-03	1.15E-03	2.18E-04	1.84E-04	1.04E-03	8.43E-04	1.70E-04	1.63E-04	1.27E-04	8.35E-05
3320	562535	4234378	1.27E-03	1.13E-03	2.15E-04	1.81E-04	1.02E-03	8.29E-04	1.68E-04	1.61E-04	1.25E-04	8.21E-05
3321	562539.3	4234369	1.25E-03	1.11E-03	2.12E-04	1.78E-04	1.01E-03	8.16E-04	1.65E-04	1.58E-04	1.23E-04	8.08E-05
3322	562543.6	4234361	1.23E-03	1.10E-03	2.09E-04	1.76E-04	9.93E-04	8.05E-04	1.63E-04	1.56E-04	1.21E-04	7.97E-05
3323	562547.9	4234353	1.21E-03	1.08E-03	2.06E-04	1.74E-04	9.80E-04	7.95E-04	1.61E-04	1.54E-04	1.20E-04	7.87E-05
3324	562552.1	4234344	1.20E-03	1.07E-03	2.04E-04	1.72E-04	9.70E-04	7.87E-04	1.59E-04	1.53E-04	1.19E-04	7.79E-05
3325	562556.4	4234336	1.19E-03	1.06E-03	2.02E-04	1.71E-04	9.63E-04	7.80E-04	1.58E-04	1.51E-04	1.18E-04	7.73E-05
3326	562560.7	4234328	1.19E-03	1.06E-03	2.01E-04	1.70E-04	9.58E-04	7.76E-04	1.57E-04	1.51E-04	1.17E-04	7.69E-05
3327	562565	4234319	1.18E-03	1.06E-03	2.01E-04	1.69E-04	9.56E-04	7.75E-04	1.57E-04	1.50E-04	1.17E-04	7.67E-05
3328	562569.3	4234311	1.18E-03	1.06E-03	2.01E-04	1.69E-04	9.57E-04	7.75E-04	1.57E-04	1.50E-04	1.17E-04	7.68E-05
3329	562573.6	4234303	1.19E-03	1.06E-03	2.01E-04	1.70E-04	9.58E-04	7.76E-04	1.57E-04	1.51E-04	1.17E-04	7.69E-05
3330	562577.9	4234295	1.18E-03	1.06E-03	2.01E-04	1.69E-04	9.56E-04	7.75E-04	1.57E-04	1.50E-04	1.17E-04	7.67E-05
3331	562582.2	4234286	1.18E-03	1.05E-03	2.01E-04	1.69E-04	9.55E-04	7.74E-04	1.56E-04	1.50E-04	1.17E-04	7.66E-05
3332	562586.5	4234278	1.18E-03	1.06E-03	2.01E-04	1.69E-04	9.55E-04	7.74E-04	1.56E-04	1.50E-04	1.17E-04	7.67E-05
3333	562590.7	4234270	1.20E-03	1.07E-03	2.03E-04	1.71E-04	9.67E-04	7.84E-04	1.58E-04	1.52E-04	1.18E-04	7.76E-05
3334	562595	4234261	1.22E-03	1.09E-03	2.07E-04	1.74E-04	9.83E-04	7.97E-04	1.61E-04	1.54E-04	1.20E-04	7.89E-05
3335	562599.3	4234253	1.24E-03	1.11E-03	2.10E-04	1.77E-04	1.00E-03	8.11E-04	1.64E-04	1.57E-04	1.22E-04	8.03E-05
3336	562603.6	4234245	1.26E-03	1.13E-03	2.14E-04	1.81E-04	1.02E-03	8.27E-04	1.67E-04	1.60E-04	1.25E-04	8.19E-05
3337	562607.9	4234237	1.29E-03	1.15E-03	2.19E-04	1.85E-04	1.04E-03	8.45E-04	1.71E-04	1.64E-04	1.27E-04	8.36E-05
3338	562612.2	4234228	1.32E-03	1.18E-03	2.24E-04	1.89E-04	1.06E-03	8.63E-04	1.74E-04	1.67E-04	1.30E-04	8.55E-05
3339	562616.5	4234220	1.35E-03	1.21E-03	2.30E-04	1.93E-04	1.09E-03	8.85E-04	1.79E-04	1.72E-04	1.34E-04	8.77E-05
3340	562620.8	4234212	1.39E-03	1.24E-03	2.36E-04	1.99E-04	1.12E-03	9.11E-04	1.84E-04	1.77E-04	1.37E-04	9.02E-05
3341	562625.1	4234203	1.43E-03	1.28E-03	2.43E-04	2.05E-04	1.16E-03	9.37E-04	1.89E-04	1.82E-04	1.41E-04	9.28E-05
3342	562629.3	4234195	1.47E-03	1.31E-03	2.50E-04	2.10E-04	1.19E-03	9.63E-04	1.95E-04	1.87E-04	1.45E-04	9.54E-05
3343	562633.6	4234187	1.51E-03	1.35E-03	2.57E-04	2.16E-04	1.22E-03	9.91E-04	2.00E-04	1.92E-04	1.50E-04	9.81E-05
3344	562637.9	4234179	1.56E-03	1.39E-03	2.64E-04	2.23E-04	1.26E-03	1.02E-03	2.06E-04	1.98E-04	1.54E-04	1.01E-04
3345	562642.2	4234170	1.60E-03	1.43E-03	2.71E-04	2.29E-04	1.29E-03	1.05E-03	2.12E-04	2.03E-04	1.58E-04	1.04E-04
3346	562646.5	4234162	1.64E-03	1.46E-03	2.78E-04	2.34E-04	1.32E-03	1.07E-03	2.17E-04	2.08E-04	1.62E-04	1.06E-04

3347	562650.8	4234154	1.68E-03	1.50E-03	2.84E-04	2.40E-04	1.35E-03	1.10E-03	2.22E-04	2.13E-04	1.66E-04	1.09E-04
3348	562655.1	4234145	1.71E-03	1.53E-03	2.91E-04	2.45E-04	1.38E-03	1.12E-03	2.27E-04	2.17E-04	1.69E-04	1.11E-04
3349	562659.4	4234137	1.75E-03	1.56E-03	2.97E-04	2.50E-04	1.41E-03	1.15E-03	2.31E-04	2.22E-04	1.73E-04	1.13E-04
3350	562672.5	4234126	1.85E-03	1.65E-03	3.14E-04	2.65E-04	1.50E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
3351	562681.4	4234123	1.92E-03	1.71E-03	3.26E-04	2.75E-04	1.55E-03	1.26E-03	2.54E-04	2.44E-04	1.90E-04	1.24E-04
3352	562690.3	4234120	1.99E-03	1.77E-03	3.37E-04	2.84E-04	1.61E-03	1.30E-03	2.63E-04	2.52E-04	1.96E-04	1.29E-04
3353	562699.2	4234117	2.06E-03	1.84E-03	3.49E-04	2.94E-04	1.66E-03	1.35E-03	2.72E-04	2.61E-04	2.03E-04	1.33E-04
3354	562708.1	4234115	2.13E-03	1.90E-03	3.62E-04	3.05E-04	1.72E-03	1.39E-03	2.82E-04	2.70E-04	2.10E-04	1.38E-04
3355	562717	4234112	2.20E-03	1.97E-03	3.74E-04	3.15E-04	1.78E-03	1.44E-03	2.92E-04	2.80E-04	2.18E-04	1.43E-04
3356	562725.9	4234109	2.28E-03	2.03E-03	3.87E-04	3.26E-04	1.84E-03	1.49E-03	3.01E-04	2.89E-04	2.25E-04	1.48E-04
3357	562734.8	4234106	2.35E-03	2.10E-03	3.99E-04	3.37E-04	1.90E-03	1.54E-03	3.11E-04	2.99E-04	2.33E-04	1.53E-04
3358	562743.7	4234103	2.43E-03	2.17E-03	4.12E-04	3.48E-04	1.96E-03	1.59E-03	3.21E-04	3.08E-04	2.40E-04	1.58E-04
3359	562752.6	4234100	2.51E-03	2.24E-03	4.25E-04	3.58E-04	2.02E-03	1.64E-03	3.31E-04	3.18E-04	2.48E-04	1.62E-04
3360	562761.5	4234097	2.58E-03	2.30E-03	4.38E-04	3.69E-04	2.08E-03	1.69E-03	3.41E-04	3.28E-04	2.55E-04	1.67E-04
3361	562770.4	4234095	2.66E-03	2.37E-03	4.51E-04	3.80E-04	2.14E-03	1.74E-03	3.51E-04	3.37E-04	2.62E-04	1.72E-04
3362	562779.2	4234092	2.73E-03	2.43E-03	4.63E-04	3.90E-04	2.20E-03	1.79E-03	3.61E-04	3.46E-04	2.70E-04	1.77E-04
3363	562788.1	4234089	2.80E-03	2.50E-03	4.75E-04	4.00E-04	2.26E-03	1.83E-03	3.70E-04	3.55E-04	2.76E-04	1.81E-04
3364	562797	4234086	2.87E-03	2.56E-03	4.87E-04	4.10E-04	2.32E-03	1.88E-03	3.79E-04	3.64E-04	2.83E-04	1.86E-04
3365	562805.9	4234083	2.93E-03	2.61E-03	4.97E-04	4.19E-04	2.37E-03	1.92E-03	3.88E-04	3.72E-04	2.89E-04	1.90E-04
3366	562814.8	4234080	2.99E-03	2.67E-03	5.07E-04	4.28E-04	2.41E-03	1.96E-03	3.96E-04	3.80E-04	2.95E-04	1.94E-04
3367	562823.7	4234078	3.05E-03	2.72E-03	5.17E-04	4.35E-04	2.46E-03	1.99E-03	4.03E-04	3.86E-04	3.01E-04	1.97E-04
3368	562832.6	4234075	3.09E-03	2.76E-03	5.25E-04	4.42E-04	2.50E-03	2.02E-03	4.09E-04	3.92E-04	3.05E-04	2.00E-04
3369	562841.5	4234072	3.13E-03	2.80E-03	5.32E-04	4.48E-04	2.53E-03	2.05E-03	4.15E-04	3.98E-04	3.10E-04	2.03E-04
3370	562850.4	4234069	3.17E-03	2.83E-03	5.38E-04	4.53E-04	2.56E-03	2.07E-03	4.19E-04	4.02E-04	3.13E-04	2.05E-04
3371	562859.3	4234066	3.19E-03	2.85E-03	5.42E-04	4.57E-04	2.58E-03	2.09E-03	4.22E-04	4.05E-04	3.15E-04	2.07E-04
3372	562868.2	4234063	3.21E-03	2.87E-03	5.45E-04	4.59E-04	2.59E-03	2.10E-03	4.25E-04	4.08E-04	3.17E-04	2.08E-04
3373	562877.1	4234060	3.22E-03	2.87E-03	5.46E-04	4.61E-04	2.60E-03	2.11E-03	4.26E-04	4.09E-04	3.18E-04	2.09E-04
3374	562885.9	4234058	3.22E-03	2.87E-03	5.46E-04	4.60E-04	2.60E-03	2.11E-03	4.26E-04	4.09E-04	3.18E-04	2.09E-04
3375	562894.8	4234055	3.21E-03	2.86E-03	5.45E-04	4.59E-04	2.59E-03	2.10E-03	4.24E-04	4.07E-04	3.17E-04	2.08E-04
3376	562903.7	4234052	3.19E-03	2.85E-03	5.41E-04	4.56E-04	2.58E-03	2.09E-03	4.22E-04	4.05E-04	3.15E-04	2.07E-04
3377	562912.6	4234049	3.16E-03	2.82E-03	5.36E-04	4.52E-04	2.55E-03	2.07E-03	4.18E-04	4.01E-04	3.12E-04	2.05E-04
3378	562921.5	4234046	3.12E-03	2.79E-03	5.30E-04	4.47E-04	2.52E-03	2.04E-03	4.13E-04	3.96E-04	3.08E-04	2.02E-04
3379	562930.4	4234043	3.08E-03	2.75E-03	5.22E-04	4.40E-04	2.49E-03	2.01E-03	4.07E-04	3.91E-04	3.04E-04	1.99E-04
3380	562939.3	4234041	3.02E-03	2.70E-03	5.13E-04	4.33E-04	2.44E-03	1.98E-03	4.00E-04	3.84E-04	2.99E-04	1.96E-04
3381	562948.2	4234038	2.96E-03	2.64E-03	5.03E-04	4.24E-04	2.39E-03	1.94E-03	3.92E-04	3.76E-04	2.93E-04	1.92E-04
3382	562957.1	4234035	2.90E-03	2.58E-03	4.92E-04	4.14E-04	2.34E-03	1.90E-03	3.83E-04	3.68E-04	2.86E-04	1.88E-04
3383	562966	4234032	2.82E-03	2.52E-03	4.79E-04	4.04E-04	2.28E-03	1.85E-03	3.74E-04	3.58E-04	2.79E-04	1.83E-04
3384	562992.6	4234023	2.58E-03	2.30E-03	4.38E-04	3.69E-04	2.09E-03	1.69E-03	3.42E-04	3.28E-04	2.55E-04	1.67E-04
3385	563001.5	4234021	2.50E-03	2.23E-03	4.24E-04	3.57E-04	2.02E-03	1.63E-03	3.30E-04	3.17E-04	2.47E-04	1.62E-04
3386	563010.4	4234018	2.40E-03	2.14E-03	4.08E-04	3.44E-04	1.94E-03	1.57E-03	3.18E-04	3.05E-04	2.37E-04	1.56E-04
3387	563019.3	4234015	2.31E-03	2.06E-03	3.91E-04	3.30E-04	1.86E-03	1.51E-03	3.05E-04	2.93E-04	2.28E-04	1.49E-04
3388	563028.2	4234012	2.21E-03	1.97E-03	3.75E-04	3.16E-04	1.78E-03	1.45E-03	2.92E-04	2.80E-04	2.18E-04	1.43E-04
3389	563037.1	4234009	2.12E-03	1.89E-03	3.60E-04	3.03E-04	1.71E-03	1.39E-03	2.80E-04	2.69E-04	2.09E-04	1.37E-04
3390	563046	4234006	2.04E-03	1.82E-03	3.46E-04	2.91E-04	1.64E-03	1.33E-03	2.69E-04	2.58E-04	2.01E-04	1.32E-04
3391	563054.9	4234004	1.96E-03	1.74E-03	3.32E-04	2.80E-04	1.58E-03	1.28E-03	2.59E-04	2.48E-04	1.93E-04	1.27E-04
3392	563063.8	4234001	1.88E-03	1.68E-03	3.19E-04	2.69E-04	1.52E-03	1.23E-03	2.48E-04	2.38E-04	1.85E-04	1.22E-04
3393	563072.7	4233998	1.80E-03	1.61E-03	3.06E-04	2.58E-04	1.46E-03	1.18E-03	2.38E-04	2.29E-04	1.78E-04	1.17E-04
3394	563081.6	4233995	1.73E-03	1.54E-03	2.94E-04	2.48E-04	1.40E-03	1.13E-03	2.29E-04	2.20E-04	1.71E-04	1.12E-04
3395	563090.5	4233992	1.66E-03	1.48E-03	2.82E-04	2.38E-04	1.34E-03	1.09E-03	2.20E-04	2.11E-04	1.64E-04	1.08E-04
3396	563099.3	4233989	1.60E-03	1.43E-03	2.71E-04	2.28E-04	1.29E-03	1.05E-03	2.11E-04	2.03E-04	1.58E-04	1.04E-04
3397	563108.2	4233986	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.01E-03	2.03E-04	1.95E-04	1.52E-04	9.96E-05
3398	563117.1	4233984	1.48E-03	1.32E-03	2.51E-04	2.12E-04	1.19E-03	9.68E-04	1.96E-04	1.88E-04	1.46E-04	9.58E-05
3399	563126	4233981	1.43E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.33E-04	1.89E-04	1.81E-04	1.41E-04	9.24E-05
3400	563134.9	4233978	1.38E-03	1.23E-03	2.33E-04	1.97E-04	1.11E-03	9.00E-04	1.82E-04	1.75E-04	1.36E-04	8.92E-05
3401	562432.1	4234577	1.47E-03	1.31E-03	2.49E-04	2.10E-04	1.19E-03	9.62E-04	1.94E-04	1.87E-04	1.45E-04	9.53E-05
3402	562431.3	4234586	1.46E-03	1.30E-03	2.47E-04	2.09E-04	1.18E-03	9.54E-04	1.93E-04	1.85E-04	1.44E-04	9.45E-05
3403	562430.5	4234595	1.44E-03	1.29E-03	2.45E-04	2.07E-04	1.17E-03	9.45E-04	1.91E-04	1.83E-04	1.43E-04	9.36E-05
3404	562429.7	4234605	1.43E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.34E-04	1.89E-04	1.81E-04	1.41E-04	9.25E-05
3405	562428.9	4234614	1.41E-03	1.26E-03	2.39E-04	2.01E-04	1.14E-03	9.21E-04	1.86E-04	1.79E-04	1.39E-04	9.12E-05
3406	562428.1	4234623	1.39E-03	1.24E-03	2.35E-04	1.98E-04	1.12E-03	9.07E-04	1.83E-04	1.76E-04	1.37E-04	8.98E-05
3407	562427.3	4234632	1.36E-03	1.21E-03	2.31E-04	1.95E-04	1.10E-03	8.91E-04	1.80E-04	1.73E-04	1.34E-04	8.82E-05
3408	562426.5	4234642	1.34E-03	1.19E-03	2.27E-04	1.91E-04	1.08E-03	8.74E-04	1.77E-04	1.69E-04	1.32E-04	8.66E-05
3409	562425.7	4234651	1.31E-03	1.17E-03	2.22E-04	1.87E-04	1.06E-03	8.56E-04	1.73E-04	1.66E-04	1.29E-04	8.48E-05
3410	562424.9	4234660	1.28E-03	1.14E-03	2.17E-04	1.83E-04	1.03E-03	8.37E-04	1.69E-04	1.62E-04	1.26E-04	8.29E-05
3411	562424.1	4234670	1.25E-03	1.11E-03	2.12E-04	1.78E-04	1.01E-03	8.17E-04	1.65E-04	1.58E-04	1.23E-04	8.09E-05
3412	562423.3	4234679	1.22E-03	1.08E-03	2.06E-04	1.74E-04	9.82E-04	7.96E-04	1.61E-04	1.54E-04	1.20E-04	7.88E-05
3413	562422.5	4234688	1.18E-03	1.06E-03	2.01E-04	1.69E-04	9.55E-04	7.74E-04	1.56E-04	1.50E-04	1.17E-04	7.67E-05

3414	562396.4	4234565	1.38E-03	1.23E-03	2.33E-04	1.97E-04	1.11E-03	9.00E-04	1.82E-04	1.74E-04	1.36E-04	8.91E-05
3415	562400.7	4234557	1.39E-03	1.24E-03	2.36E-04	1.99E-04	1.12E-03	9.10E-04	1.84E-04	1.77E-04	1.37E-04	9.02E-05
3416	562404.9	4234549	1.40E-03	1.25E-03	2.38E-04	2.01E-04	1.13E-03	9.19E-04	1.86E-04	1.78E-04	1.39E-04	9.10E-05
3417	562409.2	4234540	1.42E-03	1.26E-03	2.40E-04	2.03E-04	1.14E-03	9.27E-04	1.87E-04	1.80E-04	1.40E-04	9.18E-05
3418	562413.4	4234532	1.43E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.33E-04	1.88E-04	1.81E-04	1.41E-04	9.24E-05
3419	562417.6	4234524	1.43E-03	1.28E-03	2.43E-04	2.05E-04	1.16E-03	9.37E-04	1.89E-04	1.82E-04	1.41E-04	9.28E-05
3420	562421.9	4234516	1.44E-03	1.28E-03	2.44E-04	2.05E-04	1.16E-03	9.40E-04	1.90E-04	1.82E-04	1.42E-04	9.31E-05
3421	562426.1	4234508	1.44E-03	1.28E-03	2.44E-04	2.06E-04	1.16E-03	9.41E-04	1.90E-04	1.82E-04	1.42E-04	9.32E-05
3422	562430.3	4234499	1.44E-03	1.28E-03	2.44E-04	2.06E-04	1.16E-03	9.40E-04	1.90E-04	1.82E-04	1.42E-04	9.31E-05
3423	562434.6	4234491	1.43E-03	1.28E-03	2.43E-04	2.05E-04	1.16E-03	9.38E-04	1.90E-04	1.82E-04	1.42E-04	9.29E-05
3424	562438.8	4234483	1.43E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.35E-04	1.89E-04	1.81E-04	1.41E-04	9.26E-05
3425	562443	4234475	1.42E-03	1.27E-03	2.41E-04	2.03E-04	1.15E-03	9.30E-04	1.88E-04	1.80E-04	1.40E-04	9.21E-05
3426	562447.3	4234467	1.41E-03	1.26E-03	2.40E-04	2.02E-04	1.14E-03	9.24E-04	1.87E-04	1.79E-04	1.39E-04	9.15E-05
3427	562451.5	4234459	1.40E-03	1.25E-03	2.38E-04	2.00E-04	1.13E-03	9.16E-04	1.85E-04	1.78E-04	1.38E-04	9.08E-05
3428	562455.7	4234450	1.39E-03	1.24E-03	2.35E-04	1.98E-04	1.12E-03	9.08E-04	1.83E-04	1.76E-04	1.37E-04	8.99E-05
3429	562460	4234442	1.37E-03	1.22E-03	2.33E-04	1.96E-04	1.11E-03	8.98E-04	1.81E-04	1.74E-04	1.35E-04	8.89E-05
3430	562464.2	4234434	1.35E-03	1.21E-03	2.30E-04	1.94E-04	1.09E-03	8.86E-04	1.79E-04	1.72E-04	1.34E-04	8.78E-05
3431	562468.4	4234426	1.34E-03	1.19E-03	2.27E-04	1.91E-04	1.08E-03	8.74E-04	1.77E-04	1.70E-04	1.32E-04	8.66E-05
3432	562472.7	4234418	1.32E-03	1.17E-03	2.23E-04	1.88E-04	1.06E-03	8.61E-04	1.74E-04	1.67E-04	1.30E-04	8.53E-05
3433	562476.9	4234409	1.30E-03	1.16E-03	2.20E-04	1.85E-04	1.05E-03	8.48E-04	1.71E-04	1.64E-04	1.28E-04	8.40E-05
3434	562481.1	4234401	1.27E-03	1.14E-03	2.16E-04	1.82E-04	1.03E-03	8.34E-04	1.68E-04	1.62E-04	1.26E-04	8.26E-05
3435	562485.4	4234393	1.25E-03	1.12E-03	2.12E-04	1.79E-04	1.01E-03	8.19E-04	1.66E-04	1.59E-04	1.24E-04	8.12E-05
3436	562489.6	4234385	1.23E-03	1.10E-03	2.09E-04	1.76E-04	9.93E-04	8.05E-04	1.63E-04	1.56E-04	1.21E-04	7.97E-05
3437	562493.8	4234377	1.21E-03	1.08E-03	2.05E-04	1.73E-04	9.76E-04	7.91E-04	1.60E-04	1.53E-04	1.19E-04	7.83E-05
3438	562498.1	4234368	1.19E-03	1.06E-03	2.01E-04	1.70E-04	9.59E-04	7.77E-04	1.57E-04	1.51E-04	1.17E-04	7.69E-05
3439	562502.3	4234360	1.17E-03	1.04E-03	1.98E-04	1.67E-04	9.42E-04	7.64E-04	1.54E-04	1.48E-04	1.15E-04	7.56E-05
3440	562506.6	4234352	1.15E-03	1.02E-03	1.95E-04	1.64E-04	9.27E-04	7.51E-04	1.52E-04	1.46E-04	1.13E-04	7.44E-05
3441	562510.8	4234344	1.13E-03	1.01E-03	1.92E-04	1.62E-04	9.13E-04	7.40E-04	1.50E-04	1.44E-04	1.12E-04	7.33E-05
3442	562515	4234336	1.12E-03	9.96E-04	1.89E-04	1.60E-04	9.01E-04	7.31E-04	1.48E-04	1.42E-04	1.10E-04	7.24E-05
3443	562519.3	4234327	1.10E-03	9.85E-04	1.87E-04	1.58E-04	8.91E-04	7.22E-04	1.46E-04	1.40E-04	1.09E-04	7.15E-05
3444	562523.5	4234319	1.09E-03	9.76E-04	1.86E-04	1.56E-04	8.83E-04	7.16E-04	1.45E-04	1.39E-04	1.08E-04	7.09E-05
3445	562527.7	4234311	1.09E-03	9.70E-04	1.84E-04	1.55E-04	8.78E-04	7.11E-04	1.44E-04	1.38E-04	1.07E-04	7.04E-05
3446	562532	4234303	1.08E-03	9.66E-04	1.84E-04	1.55E-04	8.74E-04	7.09E-04	1.43E-04	1.37E-04	1.07E-04	7.02E-05
3447	562536.2	4234295	1.08E-03	9.65E-04	1.84E-04	1.55E-04	8.73E-04	7.08E-04	1.43E-04	1.37E-04	1.07E-04	7.01E-05
3448	562540.4	4234287	1.08E-03	9.67E-04	1.84E-04	1.55E-04	8.75E-04	7.09E-04	1.43E-04	1.37E-04	1.07E-04	7.02E-05
3449	562544.7	4234278	1.09E-03	9.71E-04	1.85E-04	1.56E-04	8.79E-04	7.12E-04	1.44E-04	1.38E-04	1.07E-04	7.05E-05
3450	562548.9	4234270	1.09E-03	9.72E-04	1.85E-04	1.56E-04	8.79E-04	7.13E-04	1.44E-04	1.38E-04	1.08E-04	7.06E-05
3451	562553.1	4234262	1.09E-03	9.72E-04	1.85E-04	1.56E-04	8.80E-04	7.13E-04	1.44E-04	1.38E-04	1.08E-04	7.06E-05
3452	562557.4	4234254	1.09E-03	9.74E-04	1.85E-04	1.56E-04	8.81E-04	7.14E-04	1.44E-04	1.38E-04	1.08E-04	7.07E-05
3453	562561.6	4234246	1.10E-03	9.80E-04	1.86E-04	1.57E-04	8.87E-04	7.19E-04	1.45E-04	1.39E-04	1.08E-04	7.12E-05
3454	562565.8	4234237	1.12E-03	9.96E-04	1.89E-04	1.60E-04	9.01E-04	7.30E-04	1.48E-04	1.42E-04	1.10E-04	7.23E-05
3455	562570.1	4234229	1.14E-03	1.01E-03	1.93E-04	1.62E-04	9.17E-04	7.43E-04	1.50E-04	1.44E-04	1.12E-04	7.36E-05
3456	562574.3	4234221	1.16E-03	1.03E-03	1.96E-04	1.65E-04	9.34E-04	7.57E-04	1.53E-04	1.47E-04	1.14E-04	7.50E-05
3457	562578.5	4234213	1.18E-03	1.05E-03	2.00E-04	1.69E-04	9.53E-04	7.72E-04	1.56E-04	1.50E-04	1.17E-04	7.65E-05
3458	562582.8	4234205	1.21E-03	1.08E-03	2.04E-04	1.72E-04	9.73E-04	7.89E-04	1.59E-04	1.53E-04	1.19E-04	7.81E-05
3459	562587	4234196	1.23E-03	1.10E-03	2.09E-04	1.76E-04	9.94E-04	8.06E-04	1.63E-04	1.56E-04	1.22E-04	7.98E-05
3460	562591.2	4234188	1.26E-03	1.12E-03	2.14E-04	1.80E-04	1.02E-03	8.23E-04	1.66E-04	1.60E-04	1.24E-04	8.16E-05
3461	562595.5	4234180	1.29E-03	1.15E-03	2.18E-04	1.84E-04	1.04E-03	8.42E-04	1.70E-04	1.63E-04	1.27E-04	8.34E-05
3462	562599.7	4234172	1.32E-03	1.17E-03	2.23E-04	1.88E-04	1.06E-03	8.61E-04	1.74E-04	1.67E-04	1.30E-04	8.53E-05
3463	562604	4234164	1.35E-03	1.20E-03	2.28E-04	1.92E-04	1.09E-03	8.81E-04	1.78E-04	1.71E-04	1.33E-04	8.72E-05
3464	562608.2	4234156	1.38E-03	1.23E-03	2.34E-04	1.97E-04	1.11E-03	9.01E-04	1.82E-04	1.75E-04	1.36E-04	8.92E-05
3465	562612.4	4234147	1.41E-03	1.26E-03	2.39E-04	2.01E-04	1.14E-03	9.21E-04	1.86E-04	1.79E-04	1.39E-04	9.12E-05
3466	562616.7	4234139	1.44E-03	1.29E-03	2.45E-04	2.06E-04	1.17E-03	9.44E-04	1.91E-04	1.83E-04	1.43E-04	9.35E-05
3467	562620.9	4234131	1.48E-03	1.32E-03	2.51E-04	2.12E-04	1.20E-03	9.70E-04	1.96E-04	1.88E-04	1.46E-04	9.60E-05
3468	562625.1	4234123	1.52E-03	1.36E-03	2.58E-04	2.17E-04	1.23E-03	9.95E-04	2.01E-04	1.93E-04	1.50E-04	9.85E-05
3469	562629.4	4234115	1.56E-03	1.39E-03	2.65E-04	2.23E-04	1.26E-03	1.02E-03	2.06E-04	1.98E-04	1.54E-04	1.01E-04
3470	562633.6	4234106	1.60E-03	1.43E-03	2.71E-04	2.29E-04	1.29E-03	1.05E-03	2.11E-04	2.03E-04	1.58E-04	1.04E-04
3471	562646.6	4234095	1.70E-03	1.52E-03	2.89E-04	2.43E-04	1.37E-03	1.11E-03	2.25E-04	2.16E-04	1.68E-04	1.10E-04
3472	562655.4	4234093	1.76E-03	1.57E-03	2.99E-04	2.52E-04	1.42E-03	1.15E-03	2.33E-04	2.23E-04	1.74E-04	1.14E-04
3473	562664.2	4234090	1.82E-03	1.62E-03	3.09E-04	2.60E-04	1.47E-03	1.19E-03	2.41E-04	2.31E-04	1.80E-04	1.18E-04
3474	562673	4234087	1.88E-03	1.68E-03	3.19E-04	2.69E-04	1.52E-03	1.23E-03	2.49E-04	2.39E-04	1.86E-04	1.22E-04
3475	562681.7	4234084	1.94E-03	1.73E-03	3.30E-04	2.78E-04	1.57E-03	1.27E-03	2.57E-04	2.47E-04	1.92E-04	1.26E-04
3476	562690.5	4234081	2.01E-03	1.79E-03	3.41E-04	2.87E-04	1.62E-03	1.31E-03	2.66E-04	2.55E-04	1.98E-04	1.30E-04
3477	562699.3	4234079	2.07E-03	1.85E-03	3.52E-04	2.97E-04	1.67E-03	1.36E-03	2.74E-04	2.63E-04	2.05E-04	1.34E-04
3478	562708.1	4234076	2.14E-03	1.91E-03	3.63E-04	3.06E-04	1.73E-03	1.40E-03	2.83E-04	2.72E-04	2.11E-04	1.39E-04
3479	562716.9	4234073	2.21E-03	1.97E-03	3.74E-04	3.16E-04	1.78E-03	1.44E-03	2.92E-04	2.80E-04	2.18E-04	1.43E-04
3480	562725.6	4234070	2.27E-03	2.03E-03	3.86E-04	3.25E-04	1.84E-03	1.49E-03	3.01E-04	2.89E-04	2.25E-04	1.47E-04

3481	562734.4	4234067	2.34E-03	2.09E-03	3.97E-04	3.35E-04	1.89E-03	1.53E-03	3.10E-04	2.97E-04	2.31E-04	1.52E-04
3482	562743.2	4234064	2.41E-03	2.15E-03	4.09E-04	3.44E-04	1.94E-03	1.58E-03	3.18E-04	3.06E-04	2.38E-04	1.56E-04
3483	562752	4234062	2.47E-03	2.21E-03	4.20E-04	3.54E-04	2.00E-03	1.62E-03	3.27E-04	3.14E-04	2.44E-04	1.60E-04
3484	562760.8	4234059	2.54E-03	2.26E-03	4.31E-04	3.63E-04	2.05E-03	1.66E-03	3.36E-04	3.22E-04	2.51E-04	1.65E-04
3485	562769.5	4234056	2.60E-03	2.32E-03	4.41E-04	3.72E-04	2.10E-03	1.70E-03	3.44E-04	3.30E-04	2.57E-04	1.69E-04
3486	562778.3	4234053	2.66E-03	2.37E-03	4.52E-04	3.81E-04	2.15E-03	1.74E-03	3.52E-04	3.38E-04	2.63E-04	1.73E-04
3487	562787.1	4234050	2.72E-03	2.43E-03	4.61E-04	3.89E-04	2.20E-03	1.78E-03	3.60E-04	3.45E-04	2.69E-04	1.76E-04
3488	562795.9	4234048	2.77E-03	2.47E-03	4.71E-04	3.97E-04	2.24E-03	1.81E-03	3.67E-04	3.52E-04	2.74E-04	1.80E-04
3489	562804.7	4234045	2.82E-03	2.52E-03	4.79E-04	4.04E-04	2.28E-03	1.85E-03	3.73E-04	3.58E-04	2.79E-04	1.83E-04
3490	562813.4	4234042	2.87E-03	2.56E-03	4.87E-04	4.10E-04	2.32E-03	1.88E-03	3.79E-04	3.64E-04	2.83E-04	1.86E-04
3491	562822.2	4234039	2.91E-03	2.59E-03	4.93E-04	4.16E-04	2.35E-03	1.90E-03	3.84E-04	3.69E-04	2.87E-04	1.88E-04
3492	562831	4234036	2.94E-03	2.62E-03	4.99E-04	4.21E-04	2.37E-03	1.92E-03	3.89E-04	3.73E-04	2.90E-04	1.91E-04
3493	562839.8	4234034	2.97E-03	2.65E-03	5.03E-04	4.24E-04	2.40E-03	1.94E-03	3.92E-04	3.77E-04	2.93E-04	1.92E-04
3494	562848.6	4234031	2.99E-03	2.66E-03	5.07E-04	4.27E-04	2.41E-03	1.95E-03	3.95E-04	3.79E-04	2.95E-04	1.94E-04
3495	562857.3	4234028	3.00E-03	2.68E-03	5.09E-04	4.29E-04	2.42E-03	1.96E-03	3.97E-04	3.81E-04	2.96E-04	1.94E-04
3496	562866.1	4234025	3.00E-03	2.68E-03	5.10E-04	4.30E-04	2.43E-03	1.97E-03	3.97E-04	3.81E-04	2.97E-04	1.95E-04
3497	562874.9	4234022	3.00E-03	2.68E-03	5.09E-04	4.29E-04	2.42E-03	1.96E-03	3.97E-04	3.81E-04	2.96E-04	1.94E-04
3498	562883.7	4234020	2.99E-03	2.67E-03	5.07E-04	4.28E-04	2.41E-03	1.96E-03	3.95E-04	3.79E-04	2.95E-04	1.94E-04
3499	562892.5	4234017	2.97E-03	2.65E-03	5.04E-04	4.25E-04	2.40E-03	1.94E-03	3.93E-04	3.77E-04	2.93E-04	1.93E-04
3500	562901.2	4234014	2.94E-03	2.63E-03	4.99E-04	4.21E-04	2.38E-03	1.93E-03	3.89E-04	3.74E-04	2.91E-04	1.91E-04
3501	562910	4234011	2.91E-03	2.60E-03	4.94E-04	4.16E-04	2.35E-03	1.90E-03	3.85E-04	3.69E-04	2.87E-04	1.89E-04
3502	562918.8	4234008	2.87E-03	2.56E-03	4.87E-04	4.10E-04	2.32E-03	1.88E-03	3.79E-04	3.64E-04	2.83E-04	1.86E-04
3503	562927.6	4234005	2.82E-03	2.52E-03	4.79E-04	4.03E-04	2.28E-03	1.85E-03	3.73E-04	3.58E-04	2.79E-04	1.83E-04
3504	562936.4	4234003	2.77E-03	2.47E-03	4.70E-04	3.96E-04	2.23E-03	1.81E-03	3.66E-04	3.51E-04	2.73E-04	1.79E-04
3505	562945.1	4234000	2.71E-03	2.42E-03	4.59E-04	3.87E-04	2.19E-03	1.77E-03	3.58E-04	3.44E-04	2.67E-04	1.76E-04
3506	562953.9	4233997	2.64E-03	2.36E-03	4.49E-04	3.78E-04	2.14E-03	1.73E-03	3.50E-04	3.36E-04	2.61E-04	1.71E-04
3507	562962.7	4233994	2.58E-03	2.30E-03	4.37E-04	3.68E-04	2.08E-03	1.69E-03	3.41E-04	3.27E-04	2.54E-04	1.67E-04
3508	562971.5	4233991	2.51E-03	2.24E-03	4.25E-04	3.58E-04	2.02E-03	1.64E-03	3.31E-04	3.18E-04	2.47E-04	1.62E-04
3509	562997.8	4233983	2.28E-03	2.03E-03	3.87E-04	3.26E-04	1.84E-03	1.49E-03	3.02E-04	2.89E-04	2.25E-04	1.48E-04
3510	563006.6	4233980	2.20E-03	1.96E-03	3.73E-04	3.15E-04	1.78E-03	1.44E-03	2.91E-04	2.79E-04	2.17E-04	1.43E-04
3511	563015.4	4233977	2.11E-03	1.89E-03	3.59E-04	3.02E-04	1.71E-03	1.38E-03	2.80E-04	2.68E-04	2.09E-04	1.37E-04
3512	563024.2	4233975	2.03E-03	1.81E-03	3.45E-04	2.90E-04	1.64E-03	1.33E-03	2.68E-04	2.58E-04	2.01E-04	1.32E-04
3513	563032.9	4233972	1.95E-03	1.74E-03	3.31E-04	2.79E-04	1.57E-03	1.28E-03	2.58E-04	2.47E-04	1.93E-04	1.26E-04
3514	563041.7	4233969	1.88E-03	1.67E-03	3.19E-04	2.69E-04	1.52E-03	1.23E-03	2.48E-04	2.38E-04	1.85E-04	1.22E-04
3515	563050.5	4233966	1.81E-03	1.61E-03	3.06E-04	2.58E-04	1.46E-03	1.18E-03	2.39E-04	2.29E-04	1.78E-04	1.17E-04
3516	563059.3	4233963	1.73E-03	1.55E-03	2.94E-04	2.48E-04	1.40E-03	1.14E-03	2.29E-04	2.20E-04	1.71E-04	1.12E-04
3517	563068.1	4233961	1.67E-03	1.49E-03	2.83E-04	2.38E-04	1.35E-03	1.09E-03	2.20E-04	2.12E-04	1.65E-04	1.08E-04
3518	563076.8	4233958	1.60E-03	1.43E-03	2.72E-04	2.29E-04	1.29E-03	1.05E-03	2.12E-04	2.03E-04	1.58E-04	1.04E-04
3519	563085.6	4233955	1.54E-03	1.38E-03	2.62E-04	2.21E-04	1.25E-03	1.01E-03	2.04E-04	1.96E-04	1.52E-04	1.00E-04
3520	563094.4	4233952	1.49E-03	1.33E-03	2.52E-04	2.12E-04	1.20E-03	9.72E-04	1.96E-04	1.88E-04	1.47E-04	9.63E-05
3521	563103.2	4233949	1.43E-03	1.28E-03	2.43E-04	2.05E-04	1.16E-03	9.36E-04	1.89E-04	1.82E-04	1.41E-04	9.27E-05
3522	563112	4233946	1.38E-03	1.23E-03	2.34E-04	1.97E-04	1.11E-03	9.03E-04	1.82E-04	1.75E-04	1.36E-04	8.94E-05
3523	563120.7	4233944	1.33E-03	1.19E-03	2.26E-04	1.91E-04	1.08E-03	8.72E-04	1.76E-04	1.69E-04	1.32E-04	8.63E-05
3524	563129.5	4233941	1.29E-03	1.15E-03	2.18E-04	1.84E-04	1.04E-03	8.42E-04	1.70E-04	1.63E-04	1.27E-04	8.34E-05
3525	563138.3	4233938	1.25E-03	1.11E-03	2.11E-04	1.78E-04	1.01E-03	8.15E-04	1.65E-04	1.58E-04	1.23E-04	8.07E-05
3526	562392.2	4234573	1.36E-03	1.21E-03	2.30E-04	1.94E-04	1.10E-03	8.88E-04	1.79E-04	1.72E-04	1.34E-04	8.80E-05
3527	562391.4	4234582	1.35E-03	1.20E-03	2.28E-04	1.92E-04	1.09E-03	8.81E-04	1.78E-04	1.71E-04	1.33E-04	8.72E-05
3528	562390.6	4234592	1.33E-03	1.19E-03	2.26E-04	1.90E-04	1.08E-03	8.71E-04	1.76E-04	1.69E-04	1.32E-04	8.63E-05
3529	562389.8	4234601	1.32E-03	1.17E-03	2.23E-04	1.88E-04	1.06E-03	8.61E-04	1.74E-04	1.67E-04	1.30E-04	8.53E-05
3530	562389	4234610	1.30E-03	1.16E-03	2.20E-04	1.86E-04	1.05E-03	8.49E-04	1.72E-04	1.65E-04	1.28E-04	8.41E-05
3531	562388.2	4234620	1.28E-03	1.14E-03	2.17E-04	1.83E-04	1.03E-03	8.36E-04	1.69E-04	1.62E-04	1.26E-04	8.28E-05
3532	562387.4	4234629	1.26E-03	1.12E-03	2.13E-04	1.80E-04	1.01E-03	8.22E-04	1.66E-04	1.59E-04	1.24E-04	8.14E-05
3533	562386.6	4234638	1.23E-03	1.10E-03	2.09E-04	1.76E-04	9.95E-04	8.06E-04	1.63E-04	1.56E-04	1.22E-04	7.99E-05
3534	562385.8	4234648	1.21E-03	1.08E-03	2.05E-04	1.73E-04	9.75E-04	7.90E-04	1.60E-04	1.53E-04	1.19E-04	7.83E-05
3535	562385	4234657	1.18E-03	1.05E-03	2.00E-04	1.69E-04	9.54E-04	7.73E-04	1.56E-04	1.50E-04	1.17E-04	7.66E-05
3536	562384.2	4234666	1.15E-03	1.03E-03	1.96E-04	1.65E-04	9.32E-04	7.55E-04	1.53E-04	1.46E-04	1.14E-04	7.48E-05
3537	562383.4	4234676	1.13E-03	1.00E-03	1.91E-04	1.61E-04	9.09E-04	7.36E-04	1.49E-04	1.43E-04	1.11E-04	7.29E-05
3538	562382.6	4234685	1.10E-03	9.78E-04	1.86E-04	1.57E-04	8.85E-04	7.17E-04	1.45E-04	1.39E-04	1.08E-04	7.10E-05
3539	563069.3	4234753	2.64E-02	2.36E-02	4.49E-03	3.78E-03	2.14E-02	1.73E-02	3.50E-03	3.36E-03	2.61E-03	1.71E-03
3540	563068.5	4234763	2.55E-02	2.28E-02	4.33E-03	3.65E-03	2.06E-02	1.67E-02	3.38E-03	3.24E-03	2.52E-03	1.66E-03
3541	563067.6	4234773	2.44E-02	2.18E-02	4.14E-03	3.49E-03	1.97E-02	1.60E-02	3.23E-03	3.09E-03	2.41E-03	1.58E-03
3542	563066.8	4234782	2.31E-02	2.06E-02	3.93E-03	3.31E-03	1.87E-02	1.51E-02	3.06E-03	2.94E-03	2.29E-03	1.50E-03
3543	563066	4234792	2.18E-02	1.95E-02	3.70E-03	3.12E-03	1.76E-02	1.43E-02	2.89E-03	2.77E-03	2.16E-03	1.41E-03
3544	563065.2	4234801	2.04E-02	1.82E-02	3.47E-03	2.92E-03	1.65E-02	1.34E-02	2.70E-03	2.59E-03	2.02E-03	1.32E-03
3545	563064.3	4234811	1.90E-02	1.69E-02	3.22E-03	2.72E-03	1.53E-02	1.24E-02	2.51E-03	2.41E-03	1.88E-03	1.23E-03
3546	563063.5	4234821	1.75E-02	1.56E-02	2.97E-03	2.51E-03	1.41E-02	1.15E-02	2.32E-03	2.22E-03	1.73E-03	1.14E-03
3547	563062.7	4234830	1.60E-02	1.43E-02	2.72E-03	2.29E-03	1.29E-02	1.05E-02	2.12E-03	2.03E-03	1.58E-03	1.04E-03

3548	563061.8	4234840	1.45E-02	1.29E-02	2.46E-03	2.07E-03	1.17E-02	9.47E-03	1.91E-03	1.84E-03	1.43E-03	9.38E-04
3549	563061	4234849	1.29E-02	1.15E-02	2.20E-03	1.85E-03	1.05E-02	8.47E-03	1.71E-03	1.64E-03	1.28E-03	8.39E-04
3550	563060.2	4234859	1.16E-02	1.03E-02	1.96E-03	1.65E-03	9.33E-03	7.56E-03	1.53E-03	1.47E-03	1.14E-03	7.49E-04
3551	563059.3	4234753	2.23E-02	1.99E-02	3.79E-03	3.19E-03	1.80E-02	1.46E-02	2.95E-03	2.83E-03	2.21E-03	1.45E-03
3552	563058.5	4234762	2.15E-02	1.92E-02	3.66E-03	3.08E-03	1.74E-02	1.41E-02	2.85E-03	2.73E-03	2.13E-03	1.40E-03
3553	563057.7	4234772	2.05E-02	1.83E-02	3.48E-03	2.93E-03	1.65E-02	1.34E-02	2.71E-03	2.60E-03	2.02E-03	1.33E-03
3554	563056.8	4234781	1.94E-02	1.73E-02	3.29E-03	2.77E-03	1.57E-02	1.27E-02	2.57E-03	2.46E-03	1.92E-03	1.26E-03
3555	563056	4234791	1.83E-02	1.63E-02	3.10E-03	2.61E-03	1.47E-02	1.20E-02	2.42E-03	2.32E-03	1.80E-03	1.18E-03
3556	563055.2	4234801	1.71E-02	1.53E-02	2.90E-03	2.45E-03	1.38E-02	1.12E-02	2.26E-03	2.17E-03	1.69E-03	1.11E-03
3557	563054.4	4234810	1.59E-02	1.42E-02	2.70E-03	2.28E-03	1.29E-02	1.04E-02	2.11E-03	2.02E-03	1.57E-03	1.03E-03
3558	563053.5	4234820	1.47E-02	1.31E-02	2.50E-03	2.11E-03	1.19E-02	9.65E-03	1.95E-03	1.87E-03	1.46E-03	9.55E-04
3559	563052.7	4234829	1.35E-02	1.21E-02	2.29E-03	1.93E-03	1.09E-02	8.85E-03	1.79E-03	1.72E-03	1.33E-03	8.76E-04
3560	563051.9	4234839	1.22E-02	1.09E-02	2.07E-03	1.75E-03	9.87E-03	8.00E-03	1.62E-03	1.55E-03	1.21E-03	7.92E-04
3561	563051	4234849	1.09E-02	9.73E-03	1.85E-03	1.56E-03	8.81E-03	7.14E-03	1.44E-03	1.38E-03	1.08E-03	7.07E-04
3562	563050.2	4234858	9.69E-03	8.65E-03	1.64E-03	1.39E-03	7.83E-03	6.34E-03	1.28E-03	1.23E-03	9.57E-04	6.28E-04
3563	563049.4	4234752	1.91E-02	1.71E-02	3.25E-03	2.74E-03	1.54E-02	1.25E-02	2.53E-03	2.43E-03	1.89E-03	1.24E-03
3564	563048.5	4234761	1.84E-02	1.65E-02	3.13E-03	2.64E-03	1.49E-02	1.21E-02	2.44E-03	2.34E-03	1.82E-03	1.20E-03
3565	563047.7	4234771	1.75E-02	1.56E-02	2.97E-03	2.51E-03	1.41E-02	1.15E-02	2.32E-03	2.22E-03	1.73E-03	1.14E-03
3566	563046.9	4234780	1.66E-02	1.48E-02	2.81E-03	2.37E-03	1.34E-02	1.08E-02	2.19E-03	2.10E-03	1.64E-03	1.07E-03
3567	563046.1	4234790	1.56E-02	1.39E-02	2.65E-03	2.23E-03	1.26E-02	1.02E-02	2.07E-03	1.98E-03	1.54E-03	1.01E-03
3568	563045.2	4234800	1.47E-02	1.31E-02	2.49E-03	2.10E-03	1.18E-02	9.59E-03	1.94E-03	1.86E-03	1.45E-03	9.50E-04
3569	563044.4	4234809	1.37E-02	1.22E-02	2.32E-03	1.96E-03	1.11E-02	8.96E-03	1.81E-03	1.74E-03	1.35E-03	8.87E-04
3570	563043.6	4234819	1.27E-02	1.13E-02	2.16E-03	1.82E-03	1.03E-02	8.31E-03	1.68E-03	1.61E-03	1.25E-03	8.23E-04
3571	563042.7	4234829	1.17E-02	1.04E-02	1.98E-03	1.67E-03	9.42E-03	7.63E-03	1.54E-03	1.48E-03	1.15E-03	7.56E-04
3572	563041.9	4234838	1.06E-02	9.42E-03	1.79E-03	1.51E-03	8.52E-03	6.91E-03	1.40E-03	1.34E-03	1.04E-03	6.84E-04
3573	563041.1	4234848	9.41E-03	8.39E-03	1.60E-03	1.35E-03	7.60E-03	6.16E-03	1.24E-03	1.19E-03	9.29E-04	6.10E-04
3574	563040.2	4234857	8.33E-03	7.43E-03	1.41E-03	1.19E-03	6.73E-03	5.45E-03	1.10E-03	1.06E-03	8.23E-04	5.40E-04
3575	563039.4	4234751	1.66E-02	1.48E-02	2.82E-03	2.37E-03	1.34E-02	1.09E-02	2.20E-03	2.11E-03	1.64E-03	1.08E-03
3576	563038.6	4234760	1.60E-02	1.43E-02	2.72E-03	2.29E-03	1.29E-02	1.05E-02	2.12E-03	2.03E-03	1.58E-03	1.04E-03
3577	563037.8	4234770	1.52E-02	1.36E-02	2.58E-03	2.18E-03	1.23E-02	9.96E-03	2.01E-03	1.93E-03	1.50E-03	9.86E-04
3578	563036.9	4234780	1.44E-02	1.29E-02	2.45E-03	2.06E-03	1.16E-02	9.43E-03	1.91E-03	1.83E-03	1.42E-03	9.34E-04
3579	563036.1	4234789	1.36E-02	1.21E-02	2.31E-03	1.95E-03	1.10E-02	8.91E-03	1.80E-03	1.73E-03	1.34E-03	8.82E-04
3580	563035.3	4234799	1.28E-02	1.14E-02	2.17E-03	1.83E-03	1.03E-02	8.38E-03	1.69E-03	1.63E-03	1.27E-03	8.30E-04
3581	563034.4	4234808	1.20E-02	1.07E-02	2.04E-03	1.72E-03	9.68E-03	7.85E-03	1.59E-03	1.52E-03	1.18E-03	7.77E-04
3582	563033.6	4234818	1.11E-02	9.94E-03	1.89E-03	1.59E-03	9.00E-03	7.29E-03	1.47E-03	1.41E-03	1.10E-03	7.22E-04
3583	563032.8	4234828	1.02E-02	9.13E-03	1.74E-03	1.46E-03	8.26E-03	6.70E-03	1.35E-03	1.30E-03	1.01E-03	6.63E-04
3584	563031.9	4234837	9.26E-03	8.26E-03	1.57E-03	1.32E-03	7.48E-03	6.06E-03	1.22E-03	1.17E-03	9.14E-04	6.00E-04
3585	563031.1	4234847	8.26E-03	7.37E-03	1.40E-03	1.18E-03	6.67E-03	5.41E-03	1.09E-03	1.05E-03	8.16E-04	5.35E-04
3586	563030.3	4234856	7.31E-03	6.52E-03	1.24E-03	1.05E-03	5.90E-03	4.78E-03	9.67E-04	9.28E-04	7.22E-04	4.74E-04
3587	563029.5	4234750	1.45E-02	1.29E-02	2.46E-03	2.07E-03	1.17E-02	9.47E-03	1.91E-03	1.84E-03	1.43E-03	9.38E-04
3588	563028.6	4234760	1.40E-02	1.25E-02	2.37E-03	2.00E-03	1.13E-02	9.13E-03	1.85E-03	1.77E-03	1.38E-03	9.05E-04
3589	563027.8	4234769	1.33E-02	1.19E-02	2.26E-03	1.90E-03	1.07E-02	8.71E-03	1.76E-03	1.69E-03	1.31E-03	8.63E-04
3590	563027	4234779	1.27E-02	1.13E-02	2.15E-03	1.81E-03	1.02E-02	8.30E-03	1.68E-03	1.61E-03	1.25E-03	8.22E-04
3591	563026.1	4234788	1.21E-02	1.08E-02	2.05E-03	1.72E-03	9.73E-03	7.89E-03	1.59E-03	1.53E-03	1.19E-03	7.81E-04
3592	563025.3	4234798	1.14E-02	1.01E-02	1.93E-03	1.63E-03	9.18E-03	7.44E-03	1.50E-03	1.44E-03	1.12E-03	7.37E-04
3593	563024.5	4234808	1.07E-02	9.51E-03	1.81E-03	1.52E-03	8.61E-03	6.97E-03	1.41E-03	1.35E-03	1.05E-03	6.91E-04
3594	563023.6	4234817	9.90E-03	8.83E-03	1.68E-03	1.42E-03	8.00E-03	6.48E-03	1.31E-03	1.26E-03	9.78E-04	6.42E-04
3595	563022.8	4234827	9.09E-03	8.11E-03	1.54E-03	1.30E-03	7.34E-03	5.95E-03	1.20E-03	1.15E-03	8.98E-04	5.89E-04
3596	563022	4234836	8.22E-03	7.34E-03	1.40E-03	1.18E-03	6.64E-03	5.38E-03	1.09E-03	1.04E-03	8.12E-04	5.33E-04
3597	563021.2	4234846	7.35E-03	6.56E-03	1.25E-03	1.05E-03	5.94E-03	4.81E-03	9.72E-04	9.33E-04	7.26E-04	4.76E-04
3598	563020.3	4234856	6.53E-03	5.82E-03	1.11E-03	9.34E-04	5.27E-03	4.27E-03	8.63E-04	8.28E-04	6.45E-04	4.23E-04
3599	563019.5	4234749	1.27E-02	1.13E-02	2.15E-03	1.81E-03	1.02E-02	8.30E-03	1.68E-03	1.61E-03	1.25E-03	8.22E-04
3600	563018.7	4234759	1.22E-02	1.09E-02	2.07E-03	1.75E-03	9.86E-03	7.99E-03	1.61E-03	1.55E-03	1.21E-03	7.91E-04
3601	563017.8	4234768	1.17E-02	1.05E-02	1.99E-03	1.68E-03	9.48E-03	7.68E-03	1.55E-03	1.49E-03	1.16E-03	7.61E-04
3602	563017	4234778	1.13E-02	1.01E-02	1.92E-03	1.61E-03	9.11E-03	7.39E-03	1.49E-03	1.43E-03	1.11E-03	7.31E-04
3603	563016.2	4234788	1.08E-02	9.64E-03	1.83E-03	1.55E-03	8.73E-03	7.07E-03	1.43E-03	1.37E-03	1.07E-03	7.01E-04
3604	563015.3	4234797	1.02E-02	9.11E-03	1.73E-03	1.46E-03	8.24E-03	6.68E-03	1.35E-03	1.30E-03	1.01E-03	6.62E-04
3605	563014.5	4234807	9.57E-03	8.54E-03	1.62E-03	1.37E-03	7.73E-03	6.26E-03	1.27E-03	1.21E-03	9.45E-04	6.20E-04
3606	563013.7	4234816	8.89E-03	7.93E-03	1.51E-03	1.27E-03	7.18E-03	5.82E-03	1.18E-03	1.13E-03	8.78E-04	5.76E-04
3607	563012.8	4234826	8.15E-03	7.27E-03	1.38E-03	1.17E-03	6.58E-03	5.34E-03	1.08E-03	1.03E-03	8.05E-04	5.28E-04
3608	563012	4234836	7.38E-03	6.58E-03	1.25E-03	1.06E-03	5.96E-03	4.83E-03	9.76E-04	9.37E-04	7.29E-04	4.78E-04
3609	563011.2	4234845	6.61E-03	5.90E-03	1.12E-03	9.46E-04	5.34E-03	4.33E-03	8.74E-04	8.39E-04	6.53E-04	4.28E-04
3610	563010.4	4234855	5.89E-03	5.25E-03	9.99E-04	8.42E-04	4.76E-03	3.85E-03	7.79E-04	7.47E-04	5.82E-04	3.82E-04
3611	563009.5	4234748	1.13E-02	1.00E-02	1.91E-03	1.61E-03	9.08E-03	7.36E-03	1.49E-03	1.43E-03	1.11E-03	7.29E-04
3612	563008.7	4234758	1.08E-02	9.64E-03	1.83E-03	1.55E-03	8.73E-03	7.07E-03	1.43E-03	1.37E-03	1.07E-03	7.00E-04
3613	563007.9	4234767	1.05E-02	9.34E-03	1.78E-03	1.50E-03	8.46E-03	6.85E-03	1.38E-03	1.33E-03	1.03E-03	6.79E-04
3614	563007	4234777	1.01E-02	9.05E-03	1.72E-03	1.45E-03	8.19E-03	6.64E-03	1.34E-03	1.29E-03	1.00E-03	6.57E-04

3615	563006.2	4234787	9.79E-03	8.74E-03	1.66E-03	1.40E-03	7.91E-03	6.41E-03	1.30E-03	1.24E-03	9.67E-04	6.35E-04
3616	563005.4	4234796	9.25E-03	8.25E-03	1.57E-03	1.32E-03	7.47E-03	6.06E-03	1.22E-03	1.17E-03	9.14E-04	6.00E-04
3617	563004.5	4234806	8.67E-03	7.74E-03	1.47E-03	1.24E-03	7.00E-03	5.68E-03	1.15E-03	1.10E-03	8.57E-04	5.62E-04
3618	563003.7	4234815	8.05E-03	7.18E-03	1.37E-03	1.15E-03	6.50E-03	5.27E-03	1.06E-03	1.02E-03	7.95E-04	5.22E-04
3619	563002.9	4234825	7.38E-03	6.58E-03	1.25E-03	1.06E-03	5.96E-03	4.83E-03	9.76E-04	9.36E-04	7.29E-04	4.78E-04
3620	563002.1	4234835	6.68E-03	5.96E-03	1.13E-03	9.56E-04	5.40E-03	4.37E-03	8.84E-04	8.48E-04	6.60E-04	4.33E-04
3621	563001.2	4234844	6.00E-03	5.35E-03	1.02E-03	8.58E-04	4.84E-03	3.93E-03	7.93E-04	7.61E-04	5.92E-04	3.89E-04
3622	563000.4	4234854	5.36E-03	4.78E-03	9.09E-04	7.66E-04	4.33E-03	3.51E-03	7.09E-04	6.80E-04	5.29E-04	3.47E-04
3623	562999.6	4234747	1.02E-02	9.06E-03	1.72E-03	1.45E-03	8.20E-03	6.65E-03	1.34E-03	1.29E-03	1.00E-03	6.58E-04
3624	562998.7	4234757	9.75E-03	8.70E-03	1.65E-03	1.39E-03	7.87E-03	6.38E-03	1.29E-03	1.24E-03	9.63E-04	6.32E-04
3625	562997.9	4234767	9.46E-03	8.44E-03	1.61E-03	1.35E-03	7.64E-03	6.19E-03	1.25E-03	1.20E-03	9.35E-04	6.13E-04
3626	562997.1	4234776	9.15E-03	8.17E-03	1.55E-03	1.31E-03	7.39E-03	5.99E-03	1.21E-03	1.16E-03	9.04E-04	5.93E-04
3627	562996.2	4234786	8.81E-03	7.86E-03	1.50E-03	1.26E-03	7.11E-03	5.77E-03	1.17E-03	1.12E-03	8.70E-04	5.71E-04
3628	562995.4	4234795	8.36E-03	7.46E-03	1.42E-03	1.20E-03	6.75E-03	5.47E-03	1.11E-03	1.06E-03	8.25E-04	5.42E-04
3629	562994.6	4234805	7.86E-03	7.02E-03	1.33E-03	1.12E-03	6.35E-03	5.15E-03	1.04E-03	9.98E-04	7.77E-04	5.10E-04
3630	562993.8	4234815	7.33E-03	6.54E-03	1.24E-03	1.05E-03	5.92E-03	4.80E-03	9.69E-04	9.30E-04	7.24E-04	4.75E-04
3631	562992.9	4234824	6.72E-03	6.00E-03	1.14E-03	9.62E-04	5.43E-03	4.40E-03	8.89E-04	8.53E-04	6.64E-04	4.36E-04
3632	562992.1	4234834	6.10E-03	5.44E-03	1.03E-03	8.72E-04	4.92E-03	3.99E-03	8.06E-04	7.74E-04	6.02E-04	3.95E-04
3633	562991.3	4234843	5.48E-03	4.89E-03	9.30E-04	7.84E-04	4.43E-03	3.59E-03	7.25E-04	6.96E-04	5.42E-04	3.55E-04
3634	562990.4	4234853	4.91E-03	4.38E-03	8.33E-04	7.02E-04	3.97E-03	3.21E-03	6.50E-04	6.23E-04	4.85E-04	3.18E-04
3635	562989.6	4234747	9.32E-03	8.31E-03	1.58E-03	1.33E-03	7.53E-03	6.10E-03	1.23E-03	1.18E-03	9.21E-04	6.04E-04
3636	562988.8	4234756	8.95E-03	7.99E-03	1.52E-03	1.28E-03	7.23E-03	5.86E-03	1.18E-03	1.14E-03	8.84E-04	5.80E-04
3637	562987.9	4234766	8.65E-03	7.71E-03	1.47E-03	1.24E-03	6.98E-03	5.66E-03	1.14E-03	1.10E-03	8.54E-04	5.60E-04
3638	562987.1	4234775	8.32E-03	7.42E-03	1.41E-03	1.19E-03	6.72E-03	5.44E-03	1.10E-03	1.06E-03	8.22E-04	5.39E-04
3639	562986.3	4234785	7.96E-03	7.10E-03	1.35E-03	1.14E-03	6.42E-03	5.21E-03	1.05E-03	1.01E-03	7.86E-04	5.16E-04
3640	562985.4	4234795	7.58E-03	6.76E-03	1.29E-03	1.08E-03	6.12E-03	4.96E-03	1.00E-03	9.61E-04	7.48E-04	4.91E-04
3641	562984.6	4234804	7.16E-03	6.39E-03	1.21E-03	1.02E-03	5.78E-03	4.69E-03	9.47E-04	9.09E-04	7.07E-04	4.64E-04
3642	562983.8	4234814	6.71E-03	5.99E-03	1.14E-03	9.60E-04	5.42E-03	4.39E-03	8.87E-04	8.51E-04	6.63E-04	4.35E-04
3643	562983	4234823	6.17E-03	5.50E-03	1.05E-03	8.82E-04	4.98E-03	4.04E-03	8.15E-04	7.82E-04	6.09E-04	4.00E-04
3644	562982.1	4234833	5.60E-03	4.99E-03	9.50E-04	8.00E-04	4.52E-03	3.66E-03	7.40E-04	7.10E-04	5.53E-04	3.63E-04
3645	562981.3	4234843	5.04E-03	4.50E-03	8.56E-04	7.21E-04	4.07E-03	3.30E-03	6.67E-04	6.40E-04	4.98E-04	3.27E-04
3646	562980.5	4234852	4.53E-03	4.04E-03	7.69E-04	6.48E-04	3.66E-03	2.96E-03	5.99E-04	5.75E-04	4.47E-04	2.94E-04
3647	562979.6	4234746	8.61E-03	7.68E-03	1.46E-03	1.23E-03	6.95E-03	5.64E-03	1.14E-03	1.09E-03	8.50E-04	5.58E-04
3648	562978.8	4234755	8.28E-03	7.39E-03	1.41E-03	1.18E-03	6.69E-03	5.42E-03	1.10E-03	1.05E-03	8.18E-04	5.37E-04
3649	562978	4234765	7.96E-03	7.10E-03	1.35E-03	1.14E-03	6.43E-03	5.21E-03	1.05E-03	1.01E-03	7.86E-04	5.16E-04
3650	562977.1	4234774	7.62E-03	6.79E-03	1.29E-03	1.09E-03	6.15E-03	4.98E-03	1.01E-03	9.66E-04	7.52E-04	4.94E-04
3651	562976.3	4234784	7.24E-03	6.46E-03	1.23E-03	1.04E-03	5.85E-03	4.74E-03	9.58E-04	9.19E-04	7.15E-04	4.69E-04
3652	562975.5	4234794	6.90E-03	6.16E-03	1.17E-03	9.87E-04	5.58E-03	4.52E-03	9.13E-04	8.76E-04	6.82E-04	4.47E-04
3653	562974.7	4234803	6.55E-03	5.85E-03	1.11E-03	9.37E-04	5.29E-03	4.29E-03	8.67E-04	8.32E-04	6.47E-04	4.25E-04
3654	562973.8	4234813	6.17E-03	5.50E-03	1.05E-03	8.82E-04	4.98E-03	4.04E-03	8.16E-04	7.83E-04	6.09E-04	4.00E-04
3655	562973	4234822	5.68E-03	5.07E-03	9.64E-04	8.12E-04	4.59E-03	3.72E-03	7.51E-04	7.21E-04	5.61E-04	3.68E-04
3656	562972.2	4234832	5.16E-03	4.60E-03	8.75E-04	7.37E-04	4.16E-03	3.37E-03	6.82E-04	6.54E-04	5.09E-04	3.34E-04
3657	562971.3	4234842	4.65E-03	4.15E-03	7.89E-04	6.65E-04	3.75E-03	3.04E-03	6.15E-04	5.90E-04	4.59E-04	3.01E-04
3658	562970.5	4234851	4.18E-03	3.73E-03	7.09E-04	5.97E-04	3.37E-03	2.73E-03	5.52E-04	5.30E-04	4.12E-04	2.71E-04
3659	562959.7	4234744	7.31E-03	6.52E-03	1.24E-03	1.05E-03	5.90E-03	4.78E-03	9.67E-04	9.28E-04	7.22E-04	4.74E-04
3660	562958.9	4234754	7.04E-03	6.28E-03	1.19E-03	1.01E-03	5.68E-03	4.61E-03	9.31E-04	8.93E-04	6.95E-04	4.56E-04
3661	562958.1	4234763	6.74E-03	6.02E-03	1.14E-03	9.65E-04	5.45E-03	4.41E-03	8.92E-04	8.56E-04	6.66E-04	4.37E-04
3662	562957.2	4234773	6.43E-03	5.74E-03	1.09E-03	9.20E-04	5.19E-03	4.21E-03	8.51E-04	8.16E-04	6.35E-04	4.17E-04
3663	562956.4	4234782	6.10E-03	5.44E-03	1.03E-03	8.72E-04	4.92E-03	3.99E-03	8.06E-04	7.73E-04	6.02E-04	3.95E-04
3664	562955.6	4234792	5.79E-03	5.16E-03	9.82E-04	8.27E-04	4.67E-03	3.79E-03	7.65E-04	7.34E-04	5.71E-04	3.75E-04
3665	562954.7	4234802	5.47E-03	4.88E-03	9.29E-04	7.83E-04	4.42E-03	3.58E-03	7.24E-04	6.95E-04	5.41E-04	3.55E-04
3666	562953.9	4234811	5.14E-03	4.58E-03	8.72E-04	7.35E-04	4.15E-03	3.36E-03	6.79E-04	6.52E-04	5.07E-04	3.33E-04
3667	562953.1	4234821	4.75E-03	4.23E-03	8.05E-04	6.79E-04	3.83E-03	3.11E-03	6.28E-04	6.02E-04	4.69E-04	3.08E-04
3668	562952.2	4234830	4.32E-03	3.86E-03	7.34E-04	6.18E-04	3.49E-03	2.83E-03	5.72E-04	5.49E-04	4.27E-04	2.80E-04
3669	562951.4	4234840	3.92E-03	3.49E-03	6.65E-04	5.60E-04	3.16E-03	2.56E-03	5.18E-04	4.97E-04	3.87E-04	2.54E-04
3670	562950.6	4234850	3.53E-03	3.14E-03	5.98E-04	5.04E-04	2.85E-03	2.31E-03	4.66E-04	4.47E-04	3.48E-04	2.28E-04
3671	562939.8	4234742	6.32E-03	5.63E-03	1.07E-03	9.03E-04	5.10E-03	4.13E-03	8.35E-04	8.01E-04	6.24E-04	4.09E-04
3672	562939	4234752	6.09E-03	5.43E-03	1.03E-03	8.70E-04	4.91E-03	3.98E-03	8.05E-04	7.72E-04	6.01E-04	3.94E-04
3673	562938.1	4234761	5.84E-03	5.21E-03	9.91E-04	8.35E-04	4.71E-03	3.82E-03	7.72E-04	7.41E-04	5.77E-04	3.78E-04
3674	562937.3	4234771	5.57E-03	4.97E-03	9.45E-04	7.96E-04	4.50E-03	3.64E-03	7.36E-04	7.07E-04	5.50E-04	3.61E-04
3675	562936.5	4234781	5.28E-03	4.71E-03	8.95E-04	7.55E-04	4.26E-03	3.45E-03	6.98E-04	6.69E-04	5.21E-04	3.42E-04
3676	562935.6	4234790	4.98E-03	4.44E-03	8.45E-04	7.12E-04	4.02E-03	3.26E-03	6.59E-04	6.32E-04	4.92E-04	3.23E-04
3677	562934.8	4234800	4.69E-03	4.19E-03	7.96E-04	6.71E-04	3.79E-03	3.07E-03	6.20E-04	5.95E-04	4.63E-04	3.04E-04
3678	562934	4234809	4.38E-03	3.91E-03	7.44E-04	6.27E-04	3.54E-03	2.87E-03	5.79E-04	5.56E-04	4.33E-04	2.84E-04
3679	562933.1	4234819	4.05E-03	3.62E-03	6.88E-04	5.80E-04	3.27E-03	2.65E-03	5.36E-04	5.14E-04	4.00E-04	2.63E-04
3680	562932.3	4234829	3.70E-03	3.30E-03	6.28E-04	5.29E-04	2.99E-03	2.42E-03	4.90E-04	4.70E-04	3.66E-04	2.40E-04
3681	562931.5	4234838	3.37E-03	3.00E-03	5.71E-04	4.82E-04	2.72E-03	2.20E-03	4.45E-04	4.27E-04	3.33E-04	2.18E-04

3682	562930.7	4234848	3.05E-03	2.72E-03	5.18E-04	4.37E-04	2.47E-03	2.00E-03	4.04E-04	3.87E-04	3.02E-04	1.98E-04
3683	562919.9	4234740	5.65E-03	5.04E-03	9.59E-04	8.08E-04	4.56E-03	3.70E-03	7.47E-04	7.17E-04	5.58E-04	3.66E-04
3684	562919	4234750	5.44E-03	4.85E-03	9.23E-04	7.78E-04	4.39E-03	3.56E-03	7.20E-04	6.91E-04	5.37E-04	3.53E-04
3685	562918.2	4234760	5.21E-03	4.65E-03	8.85E-04	7.46E-04	4.21E-03	3.41E-03	6.90E-04	6.62E-04	5.15E-04	3.38E-04
3686	562917.4	4234769	4.97E-03	4.43E-03	8.43E-04	7.10E-04	4.01E-03	3.25E-03	6.57E-04	6.30E-04	4.90E-04	3.22E-04
3687	562916.5	4234779	4.70E-03	4.19E-03	7.97E-04	6.72E-04	3.79E-03	3.07E-03	6.21E-04	5.96E-04	4.64E-04	3.05E-04
3688	562915.7	4234789	4.42E-03	3.94E-03	7.49E-04	6.32E-04	3.57E-03	2.89E-03	5.84E-04	5.60E-04	4.36E-04	2.86E-04
3689	562914.9	4234798	4.12E-03	3.68E-03	7.00E-04	5.90E-04	3.33E-03	2.70E-03	5.45E-04	5.23E-04	4.07E-04	2.67E-04
3690	562914	4234808	3.82E-03	3.41E-03	6.48E-04	5.46E-04	3.09E-03	2.50E-03	5.05E-04	4.85E-04	3.77E-04	2.48E-04
3691	562913.2	4234817	3.52E-03	3.14E-03	5.97E-04	5.03E-04	2.84E-03	2.30E-03	4.65E-04	4.46E-04	3.47E-04	2.28E-04
3692	562912.4	4234827	3.22E-03	2.87E-03	5.46E-04	4.61E-04	2.60E-03	2.11E-03	4.26E-04	4.09E-04	3.18E-04	2.09E-04
3693	562911.6	4234837	2.94E-03	2.63E-03	5.00E-04	4.21E-04	2.38E-03	1.93E-03	3.89E-04	3.74E-04	2.91E-04	1.91E-04
3694	562910.7	4234846	2.69E-03	2.40E-03	4.57E-04	3.85E-04	2.17E-03	1.76E-03	3.56E-04	3.42E-04	2.66E-04	1.74E-04
3695	562899.9	4234739	5.10E-03	4.55E-03	8.65E-04	7.29E-04	4.12E-03	3.34E-03	6.74E-04	6.47E-04	5.03E-04	3.30E-04
3696	562899.1	4234748	4.91E-03	4.38E-03	8.32E-04	7.02E-04	3.96E-03	3.21E-03	6.49E-04	6.23E-04	4.85E-04	3.18E-04
3697	562898.3	4234758	4.68E-03	4.17E-03	7.94E-04	6.69E-04	3.78E-03	3.06E-03	6.19E-04	5.94E-04	4.62E-04	3.03E-04
3698	562897.4	4234768	4.37E-03	3.90E-03	7.41E-04	6.25E-04	3.53E-03	2.86E-03	5.77E-04	5.54E-04	4.31E-04	2.83E-04
3699	562896.6	4234777	4.05E-03	3.61E-03	6.87E-04	5.79E-04	3.27E-03	2.65E-03	5.35E-04	5.14E-04	4.00E-04	2.62E-04
3700	562895.8	4234787	3.74E-03	3.33E-03	6.34E-04	5.34E-04	3.02E-03	2.45E-03	4.94E-04	4.74E-04	3.69E-04	2.42E-04
3701	562895	4234796	3.48E-03	3.11E-03	5.91E-04	4.98E-04	2.81E-03	2.28E-03	4.61E-04	4.42E-04	3.44E-04	2.26E-04
3702	562894.1	4234806	3.23E-03	2.88E-03	5.48E-04	4.62E-04	2.61E-03	2.11E-03	4.27E-04	4.10E-04	3.19E-04	2.09E-04
3703	562893.3	4234816	2.98E-03	2.66E-03	5.05E-04	4.26E-04	2.40E-03	1.95E-03	3.94E-04	3.78E-04	2.94E-04	1.93E-04
3704	562892.5	4234825	2.78E-03	2.48E-03	4.72E-04	3.98E-04	2.25E-03	1.82E-03	3.68E-04	3.53E-04	2.75E-04	1.80E-04
3705	562891.6	4234835	2.60E-03	2.32E-03	4.41E-04	3.72E-04	2.10E-03	1.70E-03	3.44E-04	3.30E-04	2.57E-04	1.69E-04
3706	562890.8	4234844	2.44E-03	2.17E-03	4.13E-04	3.48E-04	1.97E-03	1.59E-03	3.22E-04	3.09E-04	2.40E-04	1.58E-04
3707	562880	4234737	4.57E-03	4.08E-03	7.75E-04	6.53E-04	3.69E-03	2.99E-03	6.04E-04	5.80E-04	4.51E-04	2.96E-04
3708	562879.2	4234747	4.38E-03	3.91E-03	7.43E-04	6.26E-04	3.54E-03	2.87E-03	5.79E-04	5.56E-04	4.33E-04	2.84E-04
3709	562878.3	4234756	4.18E-03	3.72E-03	7.08E-04	5.97E-04	3.37E-03	2.73E-03	5.52E-04	5.30E-04	4.12E-04	2.71E-04
3710	562877.5	4234766	3.86E-03	3.44E-03	6.55E-04	5.52E-04	3.12E-03	2.53E-03	5.10E-04	4.90E-04	3.81E-04	2.50E-04
3711	562876.7	4234775	3.57E-03	3.18E-03	6.05E-04	5.10E-04	2.88E-03	2.33E-03	4.72E-04	4.52E-04	3.52E-04	2.31E-04
3712	562875.9	4234785	3.29E-03	2.94E-03	5.59E-04	4.71E-04	2.66E-03	2.15E-03	4.35E-04	4.18E-04	3.25E-04	2.13E-04
3713	562875	4234795	3.07E-03	2.74E-03	5.21E-04	4.39E-04	2.48E-03	2.01E-03	4.06E-04	3.90E-04	3.03E-04	1.99E-04
3714	562874.2	4234804	2.86E-03	2.55E-03	4.85E-04	4.09E-04	2.31E-03	1.87E-03	3.78E-04	3.63E-04	2.82E-04	1.85E-04
3715	562873.4	4234814	2.65E-03	2.36E-03	4.49E-04	3.79E-04	2.14E-03	1.73E-03	3.50E-04	3.36E-04	2.62E-04	1.72E-04
3716	562872.5	4234823	2.47E-03	2.20E-03	4.19E-04	3.53E-04	1.99E-03	1.62E-03	3.26E-04	3.13E-04	2.44E-04	1.60E-04
3717	562871.7	4234833	2.30E-03	2.05E-03	3.90E-04	3.29E-04	1.86E-03	1.51E-03	3.04E-04	2.92E-04	2.27E-04	1.49E-04
3718	562870.9	4234843	2.14E-03	1.91E-03	3.63E-04	3.06E-04	1.73E-03	1.40E-03	2.83E-04	2.72E-04	2.11E-04	1.39E-04
3719	562860.1	4234735	3.93E-03	3.50E-03	6.66E-04	5.62E-04	3.17E-03	2.57E-03	5.19E-04	4.98E-04	3.88E-04	2.54E-04
3720	562859.3	4234745	3.76E-03	3.36E-03	6.39E-04	5.38E-04	3.04E-03	2.46E-03	4.98E-04	4.78E-04	3.72E-04	2.44E-04
3721	562858.4	4234755	3.59E-03	3.20E-03	6.09E-04	5.13E-04	2.90E-03	2.35E-03	4.75E-04	4.55E-04	3.54E-04	2.33E-04
3722	562857.6	4234764	3.40E-03	3.03E-03	5.76E-04	4.86E-04	2.74E-03	2.22E-03	4.49E-04	4.31E-04	3.35E-04	2.20E-04
3723	562856.8	4234774	3.20E-03	2.85E-03	5.43E-04	4.57E-04	2.58E-03	2.09E-03	4.23E-04	4.06E-04	3.16E-04	2.07E-04
3724	562855.9	4234783	3.00E-03	2.68E-03	5.09E-04	4.29E-04	2.42E-03	1.96E-03	3.97E-04	3.81E-04	2.96E-04	1.94E-04
3725	562855.1	4234793	2.81E-03	2.50E-03	4.76E-04	4.01E-04	2.27E-03	1.84E-03	3.71E-04	3.56E-04	2.77E-04	1.82E-04
3726	562854.3	4234803	2.62E-03	2.33E-03	4.44E-04	3.74E-04	2.11E-03	1.71E-03	3.46E-04	3.32E-04	2.58E-04	1.70E-04
3727	562853.4	4234812	2.43E-03	2.17E-03	4.12E-04	3.47E-04	1.96E-03	1.59E-03	3.21E-04	3.08E-04	2.40E-04	1.57E-04
3728	562852.6	4234822	2.25E-03	2.01E-03	3.82E-04	3.22E-04	1.82E-03	1.47E-03	2.98E-04	2.86E-04	2.22E-04	1.46E-04
3729	562851.8	4234831	2.08E-03	1.85E-03	3.53E-04	2.97E-04	1.68E-03	1.36E-03	2.75E-04	2.64E-04	2.05E-04	1.35E-04
3730	562851	4234841	1.91E-03	1.71E-03	3.25E-04	2.74E-04	1.55E-03	1.25E-03	2.53E-04	2.43E-04	1.89E-04	1.24E-04
3731	562840.2	4234734	3.58E-03	3.19E-03	6.07E-04	5.12E-04	2.89E-03	2.34E-03	4.73E-04	4.54E-04	3.54E-04	2.32E-04
3732	562839.3	4234743	3.48E-03	3.10E-03	5.90E-04	4.97E-04	2.81E-03	2.28E-03	4.60E-04	4.41E-04	3.44E-04	2.25E-04
3733	562838.5	4234753	3.37E-03	3.01E-03	5.72E-04	4.82E-04	2.72E-03	2.21E-03	4.46E-04	4.28E-04	3.33E-04	2.18E-04
3734	562837.7	4234762	3.23E-03	2.88E-03	5.48E-04	4.61E-04	2.61E-03	2.11E-03	4.27E-04	4.09E-04	3.19E-04	2.09E-04
3735	562836.8	4234772	3.06E-03	2.73E-03	5.19E-04	4.37E-04	2.47E-03	2.00E-03	4.04E-04	3.88E-04	3.02E-04	1.98E-04
3736	562836	4234782	2.88E-03	2.57E-03	4.89E-04	4.13E-04	2.33E-03	1.89E-03	3.81E-04	3.66E-04	2.85E-04	1.87E-04
3737	562835.2	4234791	2.71E-03	2.42E-03	4.60E-04	3.87E-04	2.19E-03	1.77E-03	3.58E-04	3.44E-04	2.68E-04	1.76E-04
3738	562834.3	4234801	2.53E-03	2.26E-03	4.30E-04	3.62E-04	2.05E-03	1.66E-03	3.35E-04	3.21E-04	2.50E-04	1.64E-04
3739	562833.5	4234810	2.36E-03	2.11E-03	4.01E-04	3.38E-04	1.91E-03	1.55E-03	3.12E-04	3.00E-04	2.33E-04	1.53E-04
3740	562832.7	4234820	2.19E-03	1.96E-03	3.72E-04	3.14E-04	1.77E-03	1.43E-03	2.90E-04	2.78E-04	2.17E-04	1.42E-04
3741	562831.9	4234830	2.03E-03	1.81E-03	3.44E-04	2.90E-04	1.64E-03	1.33E-03	2.68E-04	2.58E-04	2.00E-04	1.32E-04
3742	562831	4234839	1.88E-03	1.67E-03	3.18E-04	2.68E-04	1.51E-03	1.23E-03	2.48E-04	2.38E-04	1.85E-04	1.22E-04
3743	562820.2	4234732	3.35E-03	2.99E-03	5.68E-04	4.79E-04	2.70E-03	2.19E-03	4.43E-04	4.25E-04	3.31E-04	2.17E-04
3744	562819.4	4234741	3.29E-03	2.94E-03	5.59E-04	4.71E-04	2.66E-03	2.16E-03	4.36E-04	4.18E-04	3.25E-04	2.13E-04
3745	562818.6	4234751	3.23E-03	2.88E-03	5.47E-04	4.61E-04	2.60E-03	2.11E-03	4.27E-04	4.09E-04	3.19E-04	2.09E-04
3746	562817.7	4234761	3.11E-03	2.77E-03	5.27E-04	4.44E-04	2.51E-03	2.03E-03	4.11E-04	3.94E-04	3.07E-04	2.01E-04
3747	562816.9	4234770	2.94E-03	2.62E-03	4.98E-04	4.20E-04	2.37E-03	1.92E-03	3.88E-04	3.73E-04	2.90E-04	1.90E-04
3748	562816.1	4234780	2.77E-03	2.47E-03	4.69E-04	3.95E-04	2.23E-03	1.81E-03	3.66E-04	3.51E-04	2.73E-04	1.79E-04

3749	562815.3	4234790	2.59E-03	2.31E-03	4.40E-04	3.71E-04	2.09E-03	1.70E-03	3.43E-04	3.29E-04	2.56E-04	1.68E-04
3750	562814.4	4234799	2.42E-03	2.16E-03	4.11E-04	3.46E-04	1.96E-03	1.59E-03	3.20E-04	3.07E-04	2.39E-04	1.57E-04
3751	562813.6	4234809	2.26E-03	2.01E-03	3.83E-04	3.23E-04	1.82E-03	1.48E-03	2.98E-04	2.86E-04	2.23E-04	1.46E-04
3752	562812.8	4234818	2.09E-03	1.87E-03	3.55E-04	2.99E-04	1.69E-03	1.37E-03	2.77E-04	2.66E-04	2.07E-04	1.36E-04
3753	562811.9	4234828	1.94E-03	1.73E-03	3.29E-04	2.77E-04	1.56E-03	1.27E-03	2.56E-04	2.46E-04	1.91E-04	1.26E-04
3754	562811.1	4234838	1.79E-03	1.60E-03	3.04E-04	2.56E-04	1.44E-03	1.17E-03	2.37E-04	2.27E-04	1.77E-04	1.16E-04
3755	562800.3	4234730	3.24E-03	2.89E-03	5.50E-04	4.64E-04	2.62E-03	2.12E-03	4.29E-04	4.12E-04	3.20E-04	2.10E-04
3756	562799.5	4234740	3.14E-03	2.80E-03	5.32E-04	4.48E-04	2.53E-03	2.05E-03	4.15E-04	3.98E-04	3.10E-04	2.03E-04
3757	562798.6	4234749	3.01E-03	2.69E-03	5.11E-04	4.31E-04	2.43E-03	1.97E-03	3.98E-04	3.82E-04	2.97E-04	1.95E-04
3758	562797.8	4234759	2.87E-03	2.56E-03	4.87E-04	4.11E-04	2.32E-03	1.88E-03	3.80E-04	3.64E-04	2.84E-04	1.86E-04
3759	562797	4234769	2.72E-03	2.42E-03	4.61E-04	3.89E-04	2.19E-03	1.78E-03	3.59E-04	3.45E-04	2.68E-04	1.76E-04
3760	562796.2	4234778	2.56E-03	2.28E-03	4.35E-04	3.66E-04	2.07E-03	1.68E-03	3.39E-04	3.25E-04	2.53E-04	1.66E-04
3761	562795.3	4234788	2.41E-03	2.15E-03	4.08E-04	3.44E-04	1.94E-03	1.57E-03	3.18E-04	3.05E-04	2.38E-04	1.56E-04
3762	562794.5	4234797	2.25E-03	2.01E-03	3.82E-04	3.22E-04	1.82E-03	1.47E-03	2.98E-04	2.86E-04	2.22E-04	1.46E-04
3763	562793.7	4234807	2.10E-03	1.87E-03	3.56E-04	3.00E-04	1.69E-03	1.37E-03	2.78E-04	2.66E-04	2.07E-04	1.36E-04
3764	562792.8	4234817	1.95E-03	1.74E-03	3.31E-04	2.79E-04	1.57E-03	1.28E-03	2.58E-04	2.47E-04	1.93E-04	1.26E-04
3765	562792	4234826	1.81E-03	1.61E-03	3.07E-04	2.58E-04	1.46E-03	1.18E-03	2.39E-04	2.29E-04	1.78E-04	1.17E-04
3766	562791.2	4234836	1.67E-03	1.49E-03	2.84E-04	2.39E-04	1.35E-03	1.09E-03	2.21E-04	2.12E-04	1.65E-04	1.08E-04
3767	562780.4	4234728	3.06E-03	2.73E-03	5.19E-04	4.38E-04	2.47E-03	2.00E-03	4.05E-04	3.88E-04	3.02E-04	1.98E-04
3768	562779.5	4234738	2.92E-03	2.61E-03	4.96E-04	4.18E-04	2.36E-03	1.91E-03	3.86E-04	3.71E-04	2.88E-04	1.89E-04
3769	562778.7	4234748	2.77E-03	2.47E-03	4.71E-04	3.97E-04	2.24E-03	1.82E-03	3.67E-04	3.52E-04	2.74E-04	1.80E-04
3770	562777.9	4234757	2.62E-03	2.34E-03	4.45E-04	3.75E-04	2.12E-03	1.72E-03	3.47E-04	3.33E-04	2.59E-04	1.70E-04
3771	562777.1	4234767	2.48E-03	2.22E-03	4.22E-04	3.55E-04	2.01E-03	1.63E-03	3.29E-04	3.15E-04	2.45E-04	1.61E-04
3772	562776.2	4234776	2.34E-03	2.09E-03	3.98E-04	3.35E-04	1.89E-03	1.53E-03	3.10E-04	2.97E-04	2.31E-04	1.52E-04
3773	562775.4	4234786	2.20E-03	1.96E-03	3.74E-04	3.15E-04	1.78E-03	1.44E-03	2.91E-04	2.79E-04	2.17E-04	1.43E-04
3774	562774.6	4234796	2.06E-03	1.84E-03	3.50E-04	2.95E-04	1.67E-03	1.35E-03	2.73E-04	2.62E-04	2.04E-04	1.34E-04
3775	562773.7	4234805	1.93E-03	1.72E-03	3.27E-04	2.75E-04	1.56E-03	1.26E-03	2.55E-04	2.44E-04	1.90E-04	1.25E-04
3776	562772.9	4234815	1.79E-03	1.60E-03	3.04E-04	2.56E-04	1.45E-03	1.17E-03	2.37E-04	2.28E-04	1.77E-04	1.16E-04
3777	562772.1	4234824	1.67E-03	1.49E-03	2.83E-04	2.38E-04	1.34E-03	1.09E-03	2.20E-04	2.11E-04	1.64E-04	1.08E-04
3778	562771.2	4234834	1.54E-03	1.38E-03	2.62E-04	2.21E-04	1.25E-03	1.01E-03	2.04E-04	1.96E-04	1.52E-04	1.00E-04
3779	562740.5	4234725	2.60E-03	2.32E-03	4.42E-04	3.72E-04	2.10E-03	1.70E-03	3.44E-04	3.30E-04	2.57E-04	1.69E-04
3780	562739.7	4234735	2.49E-03	2.22E-03	4.23E-04	3.56E-04	2.01E-03	1.63E-03	3.29E-04	3.16E-04	2.46E-04	1.61E-04
3781	562738.9	4234744	2.38E-03	2.12E-03	4.03E-04	3.40E-04	1.92E-03	1.55E-03	3.14E-04	3.01E-04	2.35E-04	1.54E-04
3782	562738	4234754	2.26E-03	2.02E-03	3.83E-04	3.23E-04	1.82E-03	1.48E-03	2.99E-04	2.87E-04	2.23E-04	1.46E-04
3783	562737.2	4234763	2.14E-03	1.91E-03	3.64E-04	3.07E-04	1.73E-03	1.40E-03	2.84E-04	2.72E-04	2.12E-04	1.39E-04
3784	562736.4	4234773	2.03E-03	1.81E-03	3.44E-04	2.90E-04	1.64E-03	1.33E-03	2.68E-04	2.58E-04	2.00E-04	1.32E-04
3785	562735.5	4234783	1.91E-03	1.71E-03	3.25E-04	2.74E-04	1.55E-03	1.25E-03	2.53E-04	2.43E-04	1.89E-04	1.24E-04
3786	562734.7	4234792	1.80E-03	1.61E-03	3.06E-04	2.58E-04	1.45E-03	1.18E-03	2.38E-04	2.29E-04	1.78E-04	1.17E-04
3787	562733.9	4234802	1.69E-03	1.51E-03	2.87E-04	2.42E-04	1.36E-03	1.11E-03	2.23E-04	2.14E-04	1.67E-04	1.09E-04
3788	562733.1	4234811	1.58E-03	1.41E-03	2.68E-04	2.26E-04	1.27E-03	1.03E-03	2.09E-04	2.00E-04	1.56E-04	1.02E-04
3789	562732.2	4234821	1.47E-03	1.31E-03	2.50E-04	2.11E-04	1.19E-03	9.64E-04	1.95E-04	1.87E-04	1.45E-04	9.55E-05
3790	562731.4	4234831	1.37E-03	1.22E-03	2.33E-04	1.96E-04	1.11E-03	8.97E-04	1.81E-04	1.74E-04	1.35E-04	8.89E-05
3791	562700.7	4234722	2.28E-03	2.03E-03	3.86E-04	3.25E-04	1.84E-03	1.49E-03	3.01E-04	2.89E-04	2.25E-04	1.47E-04
3792	562699.8	4234731	2.18E-03	1.95E-03	3.71E-04	3.12E-04	1.76E-03	1.43E-03	2.89E-04	2.77E-04	2.16E-04	1.42E-04
3793	562699	4234741	2.09E-03	1.86E-03	3.55E-04	2.99E-04	1.69E-03	1.37E-03	2.76E-04	2.65E-04	2.06E-04	1.35E-04
3794	562698.2	4234750	1.99E-03	1.78E-03	3.38E-04	2.85E-04	1.61E-03	1.31E-03	2.64E-04	2.53E-04	1.97E-04	1.29E-04
3795	562697.4	4234760	1.90E-03	1.69E-03	3.22E-04	2.71E-04	1.53E-03	1.24E-03	2.51E-04	2.41E-04	1.87E-04	1.23E-04
3796	562696.5	4234770	1.80E-03	1.61E-03	3.06E-04	2.58E-04	1.45E-03	1.18E-03	2.38E-04	2.29E-04	1.78E-04	1.17E-04
3797	562695.7	4234779	1.70E-03	1.52E-03	2.89E-04	2.44E-04	1.38E-03	1.12E-03	2.25E-04	2.16E-04	1.68E-04	1.10E-04
3798	562694.9	4234789	1.61E-03	1.43E-03	2.73E-04	2.30E-04	1.30E-03	1.05E-03	2.13E-04	2.04E-04	1.59E-04	1.04E-04
3799	562694	4234798	1.51E-03	1.35E-03	2.57E-04	2.16E-04	1.22E-03	9.89E-04	2.00E-04	1.92E-04	1.49E-04	9.80E-05
3800	562693.2	4234808	1.42E-03	1.27E-03	2.41E-04	2.03E-04	1.15E-03	9.28E-04	1.88E-04	1.80E-04	1.40E-04	9.19E-05
3801	562692.4	4234818	1.33E-03	1.18E-03	2.25E-04	1.90E-04	1.07E-03	8.68E-04	1.76E-04	1.68E-04	1.31E-04	8.60E-05
3802	562691.5	4234827	1.24E-03	1.11E-03	2.10E-04	1.77E-04	1.00E-03	8.11E-04	1.64E-04	1.57E-04	1.22E-04	8.03E-05
3803	562660.8	4234718	1.98E-03	1.77E-03	3.36E-04	2.83E-04	1.60E-03	1.30E-03	2.62E-04	2.51E-04	1.95E-04	1.28E-04
3804	562660	4234728	1.90E-03	1.70E-03	3.22E-04	2.72E-04	1.53E-03	1.24E-03	2.51E-04	2.41E-04	1.88E-04	1.23E-04
3805	562659.2	4234737	1.82E-03	1.62E-03	3.09E-04	2.60E-04	1.47E-03	1.19E-03	2.41E-04	2.31E-04	1.80E-04	1.18E-04
3806	562658.3	4234747	1.74E-03	1.55E-03	2.95E-04	2.49E-04	1.40E-03	1.14E-03	2.30E-04	2.21E-04	1.72E-04	1.13E-04
3807	562657.5	4234757	1.66E-03	1.48E-03	2.81E-04	2.37E-04	1.34E-03	1.08E-03	2.19E-04	2.10E-04	1.64E-04	1.07E-04
3808	562656.7	4234766	1.59E-03	1.42E-03	2.69E-04	2.27E-04	1.28E-03	1.04E-03	2.10E-04	2.01E-04	1.57E-04	1.03E-04
3809	562655.8	4234776	1.52E-03	1.35E-03	2.57E-04	2.17E-04	1.22E-03	9.92E-04	2.01E-04	1.92E-04	1.50E-04	9.83E-05
3810	562655	4234785	1.45E-03	1.29E-03	2.45E-04	2.07E-04	1.17E-03	9.47E-04	1.91E-04	1.84E-04	1.43E-04	9.38E-05
3811	562654.2	4234795	1.37E-03	1.22E-03	2.32E-04	1.95E-04	1.10E-03	8.94E-04	1.81E-04	1.73E-04	1.35E-04	8.85E-05
3812	562653.4	4234805	1.29E-03	1.15E-03	2.18E-04	1.84E-04	1.04E-03	8.41E-04	1.70E-04	1.63E-04	1.27E-04	8.33E-05
3813	562652.5	4234814	1.21E-03	1.08E-03	2.05E-04	1.73E-04	9.74E-04	7.90E-04	1.60E-04	1.53E-04	1.19E-04	7.82E-05
3814	562651.7	4234824	1.13E-03	1.01E-03	1.92E-04	1.62E-04	9.13E-04	7.40E-04	1.50E-04	1.43E-04	1.12E-04	7.33E-05
3815	562621	4234715	1.79E-03	1.60E-03	3.04E-04	2.56E-04	1.44E-03	1.17E-03	2.37E-04	2.27E-04	1.77E-04	1.16E-04

3816	562620.1	4234724	1.72E-03	1.54E-03	2.93E-04	2.47E-04	1.39E-03	1.13E-03	2.28E-04	2.19E-04	1.70E-04	1.12E-04
3817	562619.3	4234734	1.64E-03	1.47E-03	2.79E-04	2.35E-04	1.33E-03	1.08E-03	2.17E-04	2.08E-04	1.62E-04	1.06E-04
3818	562618.5	4234743	1.56E-03	1.39E-03	2.64E-04	2.23E-04	1.26E-03	1.02E-03	2.06E-04	1.98E-04	1.54E-04	1.01E-04
3819	562617.7	4234753	1.47E-03	1.31E-03	2.50E-04	2.10E-04	1.19E-03	9.63E-04	1.95E-04	1.87E-04	1.45E-04	9.54E-05
3820	562616.8	4234763	1.40E-03	1.25E-03	2.37E-04	2.00E-04	1.13E-03	9.16E-04	1.85E-04	1.78E-04	1.38E-04	9.07E-05
3821	562616	4234772	1.33E-03	1.19E-03	2.26E-04	1.90E-04	1.08E-03	8.71E-04	1.76E-04	1.69E-04	1.31E-04	8.63E-05
3822	562615.2	4234782	1.26E-03	1.13E-03	2.14E-04	1.81E-04	1.02E-03	8.26E-04	1.67E-04	1.60E-04	1.25E-04	8.18E-05
3823	562614.3	4234791	1.20E-03	1.07E-03	2.04E-04	1.72E-04	9.70E-04	7.87E-04	1.59E-04	1.53E-04	1.19E-04	7.79E-05
3824	562613.5	4234801	1.15E-03	1.02E-03	1.95E-04	1.64E-04	9.27E-04	7.51E-04	1.52E-04	1.46E-04	1.13E-04	7.44E-05
3825	562612.7	4234811	1.09E-03	9.77E-04	1.86E-04	1.57E-04	8.84E-04	7.16E-04	1.45E-04	1.39E-04	1.08E-04	7.10E-05
3826	562611.8	4234820	1.04E-03	9.24E-04	1.76E-04	1.48E-04	8.36E-04	6.78E-04	1.37E-04	1.31E-04	1.02E-04	6.71E-05
3827	562581.1	4234711	1.63E-03	1.46E-03	2.77E-04	2.34E-04	1.32E-03	1.07E-03	2.16E-04	2.07E-04	1.61E-04	1.06E-04
3828	562580.3	4234721	1.57E-03	1.40E-03	2.67E-04	2.25E-04	1.27E-03	1.03E-03	2.08E-04	2.00E-04	1.55E-04	1.02E-04
3829	562579.5	4234730	1.51E-03	1.34E-03	2.55E-04	2.15E-04	1.22E-03	9.85E-04	1.99E-04	1.91E-04	1.49E-04	9.76E-05
3830	562578.6	4234740	1.43E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.35E-04	1.89E-04	1.81E-04	1.41E-04	9.26E-05
3831	562577.8	4234750	1.35E-03	1.21E-03	2.30E-04	1.94E-04	1.09E-03	8.86E-04	1.79E-04	1.72E-04	1.34E-04	8.78E-05
3832	562577	4234759	1.28E-03	1.15E-03	2.18E-04	1.84E-04	1.04E-03	8.41E-04	1.70E-04	1.63E-04	1.27E-04	8.33E-05
3833	562576.1	4234769	1.22E-03	1.09E-03	2.07E-04	1.75E-04	9.86E-04	7.99E-04	1.62E-04	1.55E-04	1.21E-04	7.92E-05
3834	562575.3	4234778	1.16E-03	1.03E-03	1.96E-04	1.66E-04	9.35E-04	7.58E-04	1.53E-04	1.47E-04	1.14E-04	7.50E-05
3835	562574.5	4234788	1.09E-03	9.77E-04	1.86E-04	1.57E-04	8.84E-04	7.16E-04	1.45E-04	1.39E-04	1.08E-04	7.09E-05
3836	562573.7	4234798	1.04E-03	9.24E-04	1.76E-04	1.48E-04	8.36E-04	6.78E-04	1.37E-04	1.31E-04	1.02E-04	6.71E-05
3837	562572.8	4234807	9.78E-04	8.72E-04	1.66E-04	1.40E-04	7.89E-04	6.40E-04	1.29E-04	1.24E-04	9.66E-05	6.34E-05
3838	562572	4234817	9.22E-04	8.23E-04	1.56E-04	1.32E-04	7.45E-04	6.03E-04	1.22E-04	1.17E-04	9.11E-05	5.98E-05
3839	562541.3	4234708	1.48E-03	1.32E-03	2.52E-04	2.12E-04	1.20E-03	9.71E-04	1.96E-04	1.88E-04	1.47E-04	9.61E-05
3840	562540.4	4234717	1.43E-03	1.28E-03	2.43E-04	2.05E-04	1.16E-03	9.37E-04	1.89E-04	1.82E-04	1.41E-04	9.28E-05
3841	562539.6	4234727	1.38E-03	1.23E-03	2.34E-04	1.97E-04	1.11E-03	9.02E-04	1.82E-04	1.75E-04	1.36E-04	8.94E-05
3842	562538.8	4234737	1.33E-03	1.18E-03	2.25E-04	1.90E-04	1.07E-03	8.67E-04	1.75E-04	1.68E-04	1.31E-04	8.59E-05
3843	562538	4234746	1.27E-03	1.13E-03	2.16E-04	1.82E-04	1.03E-03	8.32E-04	1.68E-04	1.61E-04	1.26E-04	8.24E-05
3844	562537.1	4234756	1.22E-03	1.08E-03	2.06E-04	1.74E-04	9.82E-04	7.96E-04	1.61E-04	1.54E-04	1.20E-04	7.88E-05
3845	562536.3	4234765	1.15E-03	1.03E-03	1.96E-04	1.65E-04	9.32E-04	7.56E-04	1.53E-04	1.47E-04	1.14E-04	7.48E-05
3846	562535.5	4234775	1.09E-03	9.76E-04	1.86E-04	1.57E-04	8.84E-04	7.16E-04	1.45E-04	1.39E-04	1.08E-04	7.09E-05
3847	562534.6	4234785	1.04E-03	9.24E-04	1.76E-04	1.48E-04	8.37E-04	6.78E-04	1.37E-04	1.31E-04	1.02E-04	6.71E-05
3848	562533.8	4234794	9.76E-04	8.71E-04	1.66E-04	1.40E-04	7.88E-04	6.39E-04	1.29E-04	1.24E-04	9.64E-05	6.32E-05
3849	562533	4234804	9.16E-04	8.18E-04	1.56E-04	1.31E-04	7.40E-04	6.00E-04	1.21E-04	1.16E-04	9.05E-05	5.94E-05
3850	562532.1	4234813	8.59E-04	7.66E-04	1.46E-04	1.23E-04	6.93E-04	5.62E-04	1.14E-04	1.09E-04	8.48E-05	5.57E-05
3851	562501.4	4234704	1.36E-03	1.21E-03	2.30E-04	1.94E-04	1.09E-03	8.87E-04	1.79E-04	1.72E-04	1.34E-04	8.79E-05
3852	562500.6	4234714	1.31E-03	1.17E-03	2.22E-04	1.87E-04	1.06E-03	8.57E-04	1.73E-04	1.66E-04	1.29E-04	8.49E-05
3853	562499.8	4234724	1.26E-03	1.13E-03	2.14E-04	1.81E-04	1.02E-03	8.27E-04	1.67E-04	1.60E-04	1.25E-04	8.19E-05
3854	562498.9	4234733	1.22E-03	1.09E-03	2.06E-04	1.74E-04	9.82E-04	7.96E-04	1.61E-04	1.54E-04	1.20E-04	7.88E-05
3855	562498.1	4234743	1.17E-03	1.04E-03	1.98E-04	1.67E-04	9.43E-04	7.65E-04	1.55E-04	1.48E-04	1.15E-04	7.57E-05
3856	562497.3	4234752	1.12E-03	9.99E-04	1.90E-04	1.60E-04	9.04E-04	7.33E-04	1.48E-04	1.42E-04	1.11E-04	7.26E-05
3857	562496.4	4234762	1.07E-03	9.55E-04	1.82E-04	1.53E-04	8.64E-04	7.01E-04	1.42E-04	1.36E-04	1.06E-04	6.94E-05
3858	562495.6	4234772	1.02E-03	9.11E-04	1.73E-04	1.46E-04	8.25E-04	6.68E-04	1.35E-04	1.30E-04	1.01E-04	6.62E-05
3859	562494.8	4234781	9.72E-04	8.67E-04	1.65E-04	1.39E-04	7.85E-04	6.36E-04	1.29E-04	1.23E-04	9.60E-05	6.30E-05
3860	562493.9	4234791	9.24E-04	8.24E-04	1.57E-04	1.32E-04	7.46E-04	6.05E-04	1.22E-04	1.17E-04	9.12E-05	5.99E-05
3861	562493.1	4234800	8.76E-04	7.82E-04	1.49E-04	1.25E-04	7.08E-04	5.73E-04	1.16E-04	1.11E-04	8.65E-05	5.68E-05
3862	562492.3	4234810	8.30E-04	7.40E-04	1.41E-04	1.19E-04	6.70E-04	5.43E-04	1.10E-04	1.05E-04	8.20E-05	5.38E-05
3863	562461.6	4234701	1.25E-03	1.11E-03	2.11E-04	1.78E-04	1.01E-03	8.15E-04	1.65E-04	1.58E-04	1.23E-04	8.07E-05
3864	562460.7	4234710	1.21E-03	1.08E-03	2.05E-04	1.72E-04	9.73E-04	7.89E-04	1.59E-04	1.53E-04	1.19E-04	7.81E-05
3865	562459.9	4234720	1.16E-03	1.04E-03	1.98E-04	1.66E-04	9.40E-04	7.62E-04	1.54E-04	1.48E-04	1.15E-04	7.54E-05
3866	562459.1	4234730	1.12E-03	1.00E-03	1.90E-04	1.60E-04	9.06E-04	7.34E-04	1.48E-04	1.42E-04	1.11E-04	7.27E-05
3867	562458.2	4234739	1.08E-03	9.63E-04	1.83E-04	1.54E-04	8.71E-04	7.06E-04	1.43E-04	1.37E-04	1.07E-04	6.99E-05
3868	562457.4	4234749	1.04E-03	9.24E-04	1.76E-04	1.48E-04	8.36E-04	6.78E-04	1.37E-04	1.31E-04	1.02E-04	6.71E-05
3869	562456.6	4234759	9.92E-04	8.85E-04	1.68E-04	1.42E-04	8.01E-04	6.49E-04	1.31E-04	1.26E-04	9.80E-05	6.43E-05
3870	562455.8	4234768	9.48E-04	8.46E-04	1.61E-04	1.36E-04	7.65E-04	6.20E-04	1.25E-04	1.20E-04	9.36E-05	6.14E-05
3871	562454.9	4234778	9.04E-04	8.07E-04	1.53E-04	1.29E-04	7.30E-04	5.92E-04	1.20E-04	1.15E-04	8.93E-05	5.86E-05
3872	562454.1	4234787	8.61E-04	7.68E-04	1.46E-04	1.23E-04	6.95E-04	5.63E-04	1.14E-04	1.09E-04	8.50E-05	5.58E-05
3873	562453.3	4234797	8.18E-04	7.30E-04	1.39E-04	1.17E-04	6.61E-04	5.35E-04	1.08E-04	1.04E-04	8.08E-05	5.30E-05
3874	562452.4	4234807	7.76E-04	6.93E-04	1.32E-04	1.11E-04	6.27E-04	5.08E-04	1.03E-04	9.85E-05	7.67E-05	5.03E-05
3875	562421.7	4234697	1.15E-03	1.03E-03	1.95E-04	1.64E-04	9.29E-04	7.53E-04	1.52E-04	1.46E-04	1.14E-04	7.45E-05
3876	562420.9	4234707	1.11E-03	9.94E-04	1.89E-04	1.59E-04	9.00E-04	7.29E-04	1.47E-04	1.41E-04	1.10E-04	7.22E-05
3877	562420.1	4234717	1.08E-03	9.61E-04	1.83E-04	1.54E-04	8.70E-04	7.05E-04	1.42E-04	1.37E-04	1.06E-04	6.98E-05
3878	562419.2	4234726	1.04E-03	9.27E-04	1.76E-04	1.49E-04	8.39E-04	6.80E-04	1.37E-04	1.32E-04	1.03E-04	6.74E-05
3879	562418.4	4234736	1.00E-03	8.93E-04	1.70E-04	1.43E-04	8.08E-04	6.55E-04	1.32E-04	1.27E-04	9.89E-05	6.49E-05
3880	562417.6	4234745	9.62E-04	8.58E-04	1.63E-04	1.38E-04	7.77E-04	6.30E-04	1.27E-04	1.22E-04	9.50E-05	6.23E-05
3881	562416.7	4234755	9.23E-04	8.23E-04	1.57E-04	1.32E-04	7.45E-04	6.04E-04	1.22E-04	1.17E-04	9.11E-05	5.98E-05
3882	562415.9	4234765	8.83E-04	7.88E-04	1.50E-04	1.26E-04	7.13E-04	5.78E-04	1.17E-04	1.12E-04	8.72E-05	5.72E-05

3883	562415.1	4234774	8.44E-04	7.53E-04	1.43E-04	1.21E-04	6.81E-04	5.52E-04	1.12E-04	1.07E-04	8.33E-05	5.47E-05
3884	562414.2	4234784	8.05E-04	7.18E-04	1.37E-04	1.15E-04	6.50E-04	5.27E-04	1.06E-04	1.02E-04	7.95E-05	5.22E-05
3885	562413.4	4234793	7.66E-04	6.84E-04	1.30E-04	1.10E-04	6.19E-04	5.01E-04	1.01E-04	9.72E-05	7.57E-05	4.97E-05
3886	562412.6	4234803	7.29E-04	6.50E-04	1.24E-04	1.04E-04	5.88E-04	4.77E-04	9.64E-05	9.25E-05	7.20E-05	4.72E-05
3887	562381.9	4234694	1.07E-03	9.51E-04	1.81E-04	1.53E-04	8.61E-04	6.98E-04	1.41E-04	1.35E-04	1.05E-04	6.91E-05
3888	562381	4234704	1.03E-03	9.22E-04	1.75E-04	1.48E-04	8.35E-04	6.77E-04	1.37E-04	1.31E-04	1.02E-04	6.70E-05
3889	562380.2	4234713	1.00E-03	8.93E-04	1.70E-04	1.43E-04	8.08E-04	6.55E-04	1.32E-04	1.27E-04	9.88E-05	6.49E-05
3890	562379.4	4234723	9.67E-04	8.62E-04	1.64E-04	1.38E-04	7.81E-04	6.33E-04	1.28E-04	1.23E-04	9.55E-05	6.27E-05
3891	562378.5	4234732	9.32E-04	8.32E-04	1.58E-04	1.33E-04	7.53E-04	6.10E-04	1.23E-04	1.18E-04	9.21E-05	6.04E-05
3892	562377.7	4234742	8.97E-04	8.00E-04	1.52E-04	1.28E-04	7.24E-04	5.87E-04	1.19E-04	1.14E-04	8.86E-05	5.81E-05
3893	562376.9	4234752	8.61E-04	7.68E-04	1.46E-04	1.23E-04	6.96E-04	5.64E-04	1.14E-04	1.09E-04	8.51E-05	5.58E-05
3894	562376.1	4234761	8.26E-04	7.37E-04	1.40E-04	1.18E-04	6.67E-04	5.40E-04	1.09E-04	1.05E-04	8.15E-05	5.35E-05
3895	562375.2	4234771	7.90E-04	7.05E-04	1.34E-04	1.13E-04	6.38E-04	5.17E-04	1.04E-04	1.00E-04	7.80E-05	5.12E-05
3896	562374.4	4234780	7.55E-04	6.73E-04	1.28E-04	1.08E-04	6.09E-04	4.94E-04	9.98E-05	9.58E-05	7.45E-05	4.89E-05
3897	562373.6	4234790	7.20E-04	6.42E-04	1.22E-04	1.03E-04	5.81E-04	4.71E-04	9.52E-05	9.14E-05	7.11E-05	4.67E-05
3898	562372.7	4234800	6.86E-04	6.12E-04	1.16E-04	9.81E-05	5.54E-04	4.49E-04	9.07E-05	8.70E-05	6.77E-05	4.45E-05
3899	563065.4	4234869	1.15E-02	1.03E-02	1.95E-03	1.64E-03	9.28E-03	7.52E-03	1.52E-03	1.46E-03	1.13E-03	7.45E-04
3900	563073.8	4234873	1.31E-02	1.17E-02	2.22E-03	1.87E-03	1.06E-02	8.57E-03	1.73E-03	1.66E-03	1.29E-03	8.48E-04
3901	563082.3	4234878	1.56E-02	1.39E-02	2.65E-03	2.23E-03	1.26E-02	1.02E-02	2.07E-03	1.98E-03	1.54E-03	1.01E-03
3902	563090.7	4234882	1.93E-02	1.72E-02	3.27E-03	2.75E-03	1.56E-02	1.26E-02	2.55E-03	2.44E-03	1.90E-03	1.25E-03
3903	563099.2	4234887	2.30E-02	2.05E-02	3.90E-03	3.28E-03	1.85E-02	1.50E-02	3.04E-03	2.91E-03	2.27E-03	1.49E-03
3904	563107.7	4234891	2.58E-02	2.30E-02	4.37E-03	3.69E-03	2.08E-02	1.69E-02	3.41E-03	3.27E-03	2.55E-03	1.67E-03
3905	563116.1	4234896	2.77E-02	2.47E-02	4.70E-03	3.96E-03	2.24E-02	1.81E-02	3.66E-03	3.51E-03	2.73E-03	1.79E-03
3906	563124.6	4234901	2.89E-02	2.58E-02	4.90E-03	4.13E-03	2.33E-02	1.89E-02	3.82E-03	3.66E-03	2.85E-03	1.87E-03
3907	563133	4234905	2.95E-02	2.63E-02	5.00E-03	4.22E-03	2.38E-02	1.93E-02	3.90E-03	3.74E-03	2.91E-03	1.91E-03
3908	563141.5	4234910	2.96E-02	2.64E-02	5.02E-03	4.23E-03	2.39E-02	1.93E-02	3.91E-03	3.75E-03	2.92E-03	1.92E-03
3909	563149.9	4234914	2.91E-02	2.60E-02	4.94E-03	4.16E-03	2.35E-02	1.90E-02	3.85E-03	3.69E-03	2.87E-03	1.89E-03
3910	563158.4	4234919	2.81E-02	2.51E-02	4.77E-03	4.02E-03	2.27E-02	1.84E-02	3.72E-03	3.57E-03	2.78E-03	1.82E-03
3911	563166.8	4234923	2.68E-02	2.39E-02	4.54E-03	3.83E-03	2.16E-02	1.75E-02	3.54E-03	3.40E-03	2.64E-03	1.73E-03
3912	563175.3	4234928	2.52E-02	2.25E-02	4.27E-03	3.60E-03	2.03E-02	1.65E-02	3.33E-03	3.19E-03	2.49E-03	1.63E-03
3913	563183.7	4234932	2.33E-02	2.08E-02	3.96E-03	3.34E-03	1.89E-02	1.53E-02	3.09E-03	2.96E-03	2.31E-03	1.51E-03
3914	563192.2	4234937	2.12E-02	1.89E-02	3.60E-03	3.04E-03	1.71E-02	1.39E-02	2.81E-03	2.70E-03	2.10E-03	1.38E-03
3915	563200.6	4234942	1.89E-02	1.69E-02	3.21E-03	2.71E-03	1.53E-02	1.24E-02	2.50E-03	2.40E-03	1.87E-03	1.23E-03
3916	563209.1	4234946	1.66E-02	1.48E-02	2.81E-03	2.37E-03	1.34E-02	1.09E-02	2.19E-03	2.10E-03	1.64E-03	1.07E-03
3917	563217.5	4234951	1.44E-02	1.29E-02	2.45E-03	2.06E-03	1.16E-02	9.43E-03	1.91E-03	1.83E-03	1.42E-03	9.34E-04
3918	563226	4234955	1.25E-02	1.12E-02	2.12E-03	1.79E-03	1.01E-02	8.18E-03	1.65E-03	1.59E-03	1.23E-03	8.10E-04
3919	563234.4	4234960	1.09E-02	9.70E-03	1.85E-03	1.56E-03	8.78E-03	7.12E-03	1.44E-03	1.38E-03	1.07E-03	7.05E-04
3920	563242.9	4234964	9.51E-03	8.48E-03	1.61E-03	1.36E-03	7.68E-03	6.22E-03	1.26E-03	1.21E-03	9.39E-04	6.16E-04
3921	563056.6	4234873	9.20E-03	8.21E-03	1.56E-03	1.32E-03	7.43E-03	6.02E-03	1.22E-03	1.17E-03	9.08E-04	5.96E-04
3922	563069.1	4234882	1.07E-02	9.52E-03	1.81E-03	1.53E-03	8.62E-03	6.98E-03	1.41E-03	1.35E-03	1.05E-03	6.92E-04
3923	563077.6	4234887	1.24E-02	1.11E-02	2.11E-03	1.78E-03	1.00E-02	8.12E-03	1.64E-03	1.57E-03	1.23E-03	8.04E-04
3924	563086	4234891	1.47E-02	1.31E-02	2.50E-03	2.11E-03	1.19E-02	9.64E-03	1.95E-03	1.87E-03	1.46E-03	9.55E-04
3925	563094.5	4234896	1.73E-02	1.54E-02	2.93E-03	2.47E-03	1.39E-02	1.13E-02	2.28E-03	2.19E-03	1.71E-03	1.12E-03
3926	563102.9	4234900	1.95E-02	1.74E-02	3.31E-03	2.79E-03	1.58E-02	1.28E-02	2.58E-03	2.48E-03	1.93E-03	1.27E-03
3927	563111.4	4234905	2.13E-02	1.90E-02	3.62E-03	3.05E-03	1.72E-02	1.39E-02	2.82E-03	2.70E-03	2.10E-03	1.38E-03
3928	563119.8	4234909	2.26E-02	2.02E-02	3.84E-03	3.23E-03	1.83E-02	1.48E-02	2.99E-03	2.87E-03	2.23E-03	1.46E-03
3929	563128.3	4234914	2.34E-02	2.09E-02	3.98E-03	3.35E-03	1.89E-02	1.53E-02	3.10E-03	2.97E-03	2.32E-03	1.52E-03
3930	563136.7	4234918	2.39E-02	2.13E-02	4.05E-03	3.41E-03	1.93E-02	1.56E-02	3.15E-03	3.03E-03	2.36E-03	1.55E-03
3931	563145.2	4234923	2.39E-02	2.13E-02	4.05E-03	3.41E-03	1.93E-02	1.56E-02	3.16E-03	3.03E-03	2.36E-03	1.55E-03
3932	563153.6	4234928	2.33E-02	2.08E-02	3.95E-03	3.33E-03	1.88E-02	1.52E-02	3.08E-03	2.96E-03	2.30E-03	1.51E-03
3933	563162.1	4234932	2.25E-02	2.01E-02	3.82E-03	3.22E-03	1.82E-02	1.47E-02	2.98E-03	2.86E-03	2.22E-03	1.46E-03
3934	563170.5	4234937	2.15E-02	1.92E-02	3.65E-03	3.08E-03	1.74E-02	1.41E-02	2.85E-03	2.73E-03	2.13E-03	1.39E-03
3935	563179	4234941	2.03E-02	1.81E-02	3.44E-03	2.90E-03	1.64E-02	1.33E-02	2.68E-03	2.57E-03	2.00E-03	1.31E-03
3936	563187.4	4234946	1.88E-02	1.67E-02	3.19E-03	2.69E-03	1.52E-02	1.23E-02	2.48E-03	2.38E-03	1.85E-03	1.22E-03
3937	563195.9	4234950	1.71E-02	1.52E-02	2.90E-03	2.44E-03	1.38E-02	1.12E-02	2.26E-03	2.17E-03	1.69E-03	1.11E-03
3938	563204.3	4234955	1.53E-02	1.37E-02	2.60E-03	2.19E-03	1.24E-02	1.00E-02	2.02E-03	1.94E-03	1.51E-03	9.92E-04
3939	563212.8	4234959	1.36E-02	1.21E-02	2.30E-03	1.94E-03	1.10E-02	8.88E-03	1.79E-03	1.72E-03	1.34E-03	8.80E-04
3940	563221.2	4234964	1.20E-02	1.07E-02	2.03E-03	1.71E-03	9.67E-03	7.83E-03	1.58E-03	1.52E-03	1.18E-03	7.76E-04
3941	563229.7	4234969	1.06E-02	9.42E-03	1.79E-03	1.51E-03	8.52E-03	6.91E-03	1.40E-03	1.34E-03	1.04E-03	6.84E-04
3942	563238.1	4234973	9.34E-03	8.33E-03	1.58E-03	1.34E-03	7.54E-03	6.11E-03	1.23E-03	1.18E-03	9.22E-04	6.05E-04
3943	563049.8	4234880	7.62E-03	6.80E-03	1.29E-03	1.09E-03	6.15E-03	4.99E-03	1.01E-03	9.67E-04	7.52E-04	4.94E-04
3944	563064.4	4234891	8.94E-03	7.98E-03	1.52E-03	1.28E-03	7.22E-03	5.85E-03	1.18E-03	1.13E-03	8.83E-04	5.79E-04
3945	563072.8	4234895	1.03E-02	9.15E-03	1.74E-03	1.47E-03	8.28E-03	6.71E-03	1.36E-03	1.30E-03	1.01E-03	6.65E-04
3946	563081.3	4234900	1.19E-02	1.06E-02	2.02E-03	1.70E-03	9.62E-03	7.80E-03	1.58E-03	1.51E-03	1.18E-03	7.72E-04
3947	563089.7	4234905	1.38E-02	1.23E-02	2.33E-03	1.97E-03	1.11E-02	9.00E-03	1.82E-03	1.75E-03	1.36E-03	8.92E-04
3948	563098.2	4234909	1.55E-02	1.39E-02	2.64E-03	2.22E-03	1.25E-02	1.02E-02	2.06E-03	1.97E-03	1.53E-03	1.01E-03
3949	563106.6	4234914	1.71E-02	1.52E-02	2.90E-03	2.44E-03	1.38E-02	1.12E-02	2.26E-03	2.17E-03	1.69E-03	1.11E-03

3950	563115.1	4234918	1.83E-02	1.64E-02	3.11E-03	2.62E-03	1.48E-02	1.20E-02	2.42E-03	2.33E-03	1.81E-03	1.19E-03
3951	563123.5	4234923	1.92E-02	1.72E-02	3.26E-03	2.75E-03	1.55E-02	1.26E-02	2.54E-03	2.44E-03	1.90E-03	1.25E-03
3952	563132	4234927	1.98E-02	1.77E-02	3.36E-03	2.83E-03	1.60E-02	1.30E-02	2.62E-03	2.51E-03	1.95E-03	1.28E-03
3953	563140.4	4234932	2.00E-02	1.78E-02	3.39E-03	2.86E-03	1.61E-02	1.31E-02	2.64E-03	2.54E-03	1.97E-03	1.29E-03
3954	563148.9	4234936	1.97E-02	1.76E-02	3.35E-03	2.82E-03	1.59E-02	1.29E-02	2.61E-03	2.50E-03	1.95E-03	1.28E-03
3955	563157.3	4234941	1.93E-02	1.72E-02	3.27E-03	2.76E-03	1.56E-02	1.26E-02	2.55E-03	2.45E-03	1.91E-03	1.25E-03
3956	563165.8	4234945	1.87E-02	1.67E-02	3.17E-03	2.67E-03	1.51E-02	1.22E-02	2.47E-03	2.37E-03	1.85E-03	1.21E-03
3957	563174.2	4234950	1.78E-02	1.59E-02	3.02E-03	2.55E-03	1.44E-02	1.17E-02	2.36E-03	2.26E-03	1.76E-03	1.15E-03
3958	563182.7	4234955	1.67E-02	1.49E-02	2.84E-03	2.39E-03	1.35E-02	1.09E-02	2.21E-03	2.12E-03	1.65E-03	1.08E-03
3959	563191.1	4234959	1.55E-02	1.38E-02	2.62E-03	2.21E-03	1.25E-02	1.01E-02	2.04E-03	1.96E-03	1.53E-03	1.00E-03
3960	563199.6	4234964	1.41E-02	1.26E-02	2.39E-03	2.02E-03	1.14E-02	9.22E-03	1.86E-03	1.79E-03	1.39E-03	9.13E-04
3961	563208	4234968	1.27E-02	1.13E-02	2.16E-03	1.82E-03	1.03E-02	8.32E-03	1.68E-03	1.61E-03	1.26E-03	8.24E-04
3962	563216.5	4234973	1.14E-02	1.02E-02	1.93E-03	1.63E-03	9.19E-03	7.45E-03	1.51E-03	1.44E-03	1.12E-03	7.38E-04
3963	563224.9	4234977	1.02E-02	9.08E-03	1.73E-03	1.45E-03	8.21E-03	6.66E-03	1.35E-03	1.29E-03	1.00E-03	6.59E-04
3964	563233.4	4234982	9.09E-03	8.11E-03	1.54E-03	1.30E-03	7.34E-03	5.95E-03	1.20E-03	1.15E-03	8.98E-04	5.89E-04
3965	563045.8	4234890	6.52E-03	5.82E-03	1.11E-03	9.33E-04	5.27E-03	4.27E-03	8.63E-04	8.28E-04	6.44E-04	4.23E-04
3966	563033.4	4234871	6.41E-03	5.72E-03	1.09E-03	9.17E-04	5.18E-03	4.20E-03	8.48E-04	8.14E-04	6.33E-04	4.16E-04
3967	563059.6	4234900	7.67E-03	6.84E-03	1.30E-03	1.10E-03	6.19E-03	5.02E-03	1.01E-03	9.73E-04	7.57E-04	4.97E-04
3968	563068.1	4234904	8.70E-03	7.77E-03	1.48E-03	1.24E-03	7.03E-03	5.70E-03	1.15E-03	1.10E-03	8.60E-04	5.64E-04
3969	563076.5	4234909	9.97E-03	8.89E-03	1.69E-03	1.43E-03	8.05E-03	6.52E-03	1.32E-03	1.27E-03	9.85E-04	6.46E-04
3970	563085	4234913	1.14E-02	1.02E-02	1.93E-03	1.63E-03	9.19E-03	7.45E-03	1.51E-03	1.44E-03	1.12E-03	7.38E-04
3971	563093.4	4234918	1.28E-02	1.14E-02	2.17E-03	1.83E-03	1.03E-02	8.38E-03	1.69E-03	1.63E-03	1.27E-03	8.30E-04
3972	563101.9	4234922	1.41E-02	1.26E-02	2.40E-03	2.02E-03	1.14E-02	9.25E-03	1.87E-03	1.79E-03	1.40E-03	9.16E-04
3973	563110.3	4234927	1.52E-02	1.36E-02	2.59E-03	2.18E-03	1.23E-02	9.98E-03	2.02E-03	1.93E-03	1.51E-03	9.88E-04
3974	563118.8	4234932	1.61E-02	1.44E-02	2.74E-03	2.31E-03	1.30E-02	1.06E-02	2.13E-03	2.05E-03	1.59E-03	1.04E-03
3975	563127.2	4234936	1.67E-02	1.49E-02	2.84E-03	2.39E-03	1.35E-02	1.10E-02	2.21E-03	2.12E-03	1.65E-03	1.08E-03
3976	563135.7	4234941	1.70E-02	1.52E-02	2.89E-03	2.44E-03	1.38E-02	1.12E-02	2.25E-03	2.16E-03	1.68E-03	1.10E-03
3977	563144.1	4234945	1.70E-02	1.52E-02	2.89E-03	2.43E-03	1.37E-02	1.11E-02	2.25E-03	2.16E-03	1.68E-03	1.10E-03
3978	563152.6	4234950	1.68E-02	1.50E-02	2.85E-03	2.40E-03	1.35E-02	1.10E-02	2.22E-03	2.13E-03	1.66E-03	1.09E-03
3979	563161	4234954	1.64E-02	1.46E-02	2.78E-03	2.34E-03	1.32E-02	1.07E-02	2.17E-03	2.08E-03	1.62E-03	1.06E-03
3980	563169.5	4234959	1.58E-02	1.41E-02	2.68E-03	2.26E-03	1.27E-02	1.03E-02	2.09E-03	2.00E-03	1.56E-03	1.02E-03
3981	563177.9	4234963	1.50E-02	1.34E-02	2.54E-03	2.14E-03	1.21E-02	9.81E-03	1.98E-03	1.90E-03	1.48E-03	9.72E-04
3982	563186.4	4234968	1.40E-02	1.25E-02	2.38E-03	2.01E-03	1.13E-02	9.19E-03	1.86E-03	1.78E-03	1.39E-03	9.10E-04
3983	563194.8	4234972	1.30E-02	1.16E-02	2.20E-03	1.86E-03	1.05E-02	8.49E-03	1.72E-03	1.65E-03	1.28E-03	8.41E-04
3984	563203.3	4234977	1.19E-02	1.06E-02	2.01E-03	1.70E-03	9.58E-03	7.77E-03	1.57E-03	1.51E-03	1.17E-03	7.69E-04
3985	563211.8	4234982	1.08E-02	9.60E-03	1.83E-03	1.54E-03	8.69E-03	7.05E-03	1.42E-03	1.37E-03	1.06E-03	6.98E-04
3986	563220.2	4234986	9.74E-03	8.69E-03	1.65E-03	1.39E-03	7.86E-03	6.37E-03	1.29E-03	1.24E-03	9.62E-04	6.31E-04
3987	563228.7	4234991	8.79E-03	7.84E-03	1.49E-03	1.26E-03	7.10E-03	5.75E-03	1.16E-03	1.12E-03	8.68E-04	5.70E-04
3988	563039.7	4234897	5.60E-03	4.99E-03	9.50E-04	8.01E-04	4.52E-03	3.66E-03	7.40E-04	7.10E-04	5.53E-04	3.63E-04
3989	563032.9	4234890	5.33E-03	4.75E-03	9.04E-04	7.62E-04	4.30E-03	3.49E-03	7.04E-04	6.76E-04	5.26E-04	3.45E-04
3990	563024.2	4234874	5.56E-03	4.96E-03	9.43E-04	7.94E-04	4.49E-03	3.64E-03	7.35E-04	7.05E-04	5.49E-04	3.60E-04
3991	563022.3	4234865	6.01E-03	5.36E-03	1.02E-03	8.59E-04	4.85E-03	3.93E-03	7.94E-04	7.62E-04	5.93E-04	3.89E-04
3992	563046.4	4234904	5.98E-03	5.33E-03	1.01E-03	8.55E-04	4.83E-03	3.91E-03	7.90E-04	7.58E-04	5.90E-04	3.87E-04
3993	563054.9	4234908	6.70E-03	5.98E-03	1.14E-03	9.58E-04	5.41E-03	4.38E-03	8.86E-04	8.50E-04	6.62E-04	4.34E-04
3994	563063.3	4234913	7.54E-03	6.73E-03	1.28E-03	1.08E-03	6.09E-03	4.94E-03	9.98E-04	9.57E-04	7.45E-04	4.89E-04
3995	563071.8	4234918	8.55E-03	7.63E-03	1.45E-03	1.22E-03	6.90E-03	5.60E-03	1.13E-03	1.09E-03	8.44E-04	5.54E-04
3996	563080.2	4234922	9.68E-03	8.63E-03	1.64E-03	1.38E-03	7.81E-03	6.33E-03	1.28E-03	1.23E-03	9.56E-04	6.27E-04
3997	563088.7	4234927	1.08E-02	9.67E-03	1.84E-03	1.55E-03	8.75E-03	7.09E-03	1.43E-03	1.37E-03	1.07E-03	7.02E-04
3998	563097.1	4234931	1.19E-02	1.07E-02	2.03E-03	1.71E-03	9.64E-03	7.82E-03	1.58E-03	1.52E-03	1.18E-03	7.74E-04
3999	563105.6	4234936	1.29E-02	1.15E-02	2.19E-03	1.85E-03	1.04E-02	8.46E-03	1.71E-03	1.64E-03	1.28E-03	8.38E-04
4000	563114	4234940	1.37E-02	1.23E-02	2.33E-03	1.97E-03	1.11E-02	9.00E-03	1.82E-03	1.74E-03	1.36E-03	8.91E-04
4001	563122.5	4234945	1.44E-02	1.28E-02	2.44E-03	2.05E-03	1.16E-02	9.40E-03	1.90E-03	1.82E-03	1.42E-03	9.31E-04
4002	563130.9	4234949	1.47E-02	1.31E-02	2.49E-03	2.10E-03	1.19E-02	9.61E-03	1.94E-03	1.86E-03	1.45E-03	9.52E-04
4003	563139.4	4234954	1.48E-02	1.32E-02	2.51E-03	2.12E-03	1.19E-02	9.68E-03	1.96E-03	1.88E-03	1.46E-03	9.59E-04
4004	563147.9	4234959	1.47E-02	1.31E-02	2.50E-03	2.11E-03	1.19E-02	9.64E-03	1.95E-03	1.87E-03	1.45E-03	9.54E-04
4005	563156.3	4234963	1.45E-02	1.29E-02	2.46E-03	2.07E-03	1.17E-02	9.48E-03	1.92E-03	1.84E-03	1.43E-03	9.39E-04
4006	563164.8	4234968	1.41E-02	1.26E-02	2.39E-03	2.01E-03	1.14E-02	9.22E-03	1.86E-03	1.79E-03	1.39E-03	9.13E-04
4007	563173.2	4234972	1.35E-02	1.21E-02	2.29E-03	1.93E-03	1.09E-02	8.84E-03	1.79E-03	1.71E-03	1.33E-03	8.75E-04
4008	563181.7	4234977	1.28E-02	1.14E-02	2.17E-03	1.83E-03	1.03E-02	8.37E-03	1.69E-03	1.62E-03	1.26E-03	8.29E-04
4009	563190.1	4234981	1.20E-02	1.07E-02	2.03E-03	1.71E-03	9.65E-03	7.82E-03	1.58E-03	1.52E-03	1.18E-03	7.75E-04
4010	563198.6	4234986	1.11E-02	9.87E-03	1.88E-03	1.58E-03	8.93E-03	7.24E-03	1.46E-03	1.40E-03	1.09E-03	7.17E-04
4011	563207	4234990	1.02E-02	9.06E-03	1.72E-03	1.45E-03	8.20E-03	6.64E-03	1.34E-03	1.29E-03	1.00E-03	6.58E-04
4012	563215.5	4234995	9.27E-03	8.27E-03	1.57E-03	1.33E-03	7.48E-03	6.07E-03	1.23E-03	1.18E-03	9.15E-04	6.01E-04
4013	563223.9	4234999	8.45E-03	7.53E-03	1.43E-03	1.21E-03	6.82E-03	5.53E-03	1.12E-03	1.07E-03	8.34E-04	5.47E-04
4014	563035.6	4234907	4.97E-03	4.43E-03	8.42E-04	7.10E-04	4.01E-03	3.25E-03	6.57E-04	6.30E-04	4.90E-04	3.22E-04
4015	563023.4	4234895	4.61E-03	4.11E-03	7.81E-04	6.59E-04	3.72E-03	3.01E-03	6.09E-04	5.84E-04	4.55E-04	2.98E-04
4016	563015.6	4234880	4.77E-03	4.25E-03	8.09E-04	6.82E-04	3.85E-03	3.12E-03	6.31E-04	6.05E-04	4.71E-04	3.09E-04

4017	563050.1	4234917	5.87E-03	5.24E-03	9.96E-04	8.40E-04	4.74E-03	3.84E-03	7.76E-04	7.45E-04	5.80E-04	3.80E-04
4018	563058.6	4234922	6.58E-03	5.87E-03	1.12E-03	9.41E-04	5.32E-03	4.31E-03	8.71E-04	8.35E-04	6.50E-04	4.27E-04
4019	563067	4234926	7.40E-03	6.60E-03	1.26E-03	1.06E-03	5.98E-03	4.84E-03	9.79E-04	9.39E-04	7.31E-04	4.80E-04
4020	563075.5	4234931	8.35E-03	7.45E-03	1.42E-03	1.19E-03	6.74E-03	5.46E-03	1.10E-03	1.06E-03	8.25E-04	5.41E-04
4021	563084	4234935	9.34E-03	8.33E-03	1.58E-03	1.34E-03	7.54E-03	6.11E-03	1.24E-03	1.19E-03	9.22E-04	6.05E-04
4022	563092.4	4234940	1.03E-02	9.17E-03	1.74E-03	1.47E-03	8.30E-03	6.73E-03	1.36E-03	1.30E-03	1.02E-03	6.66E-04
4023	563100.9	4234945	1.11E-02	9.94E-03	1.89E-03	1.59E-03	8.99E-03	7.29E-03	1.47E-03	1.41E-03	1.10E-03	7.22E-04
4024	563109.3	4234949	1.19E-02	1.06E-02	2.01E-03	1.70E-03	9.58E-03	7.77E-03	1.57E-03	1.51E-03	1.17E-03	7.69E-04
4025	563117.8	4234954	1.24E-02	1.11E-02	2.10E-03	1.77E-03	1.00E-02	8.12E-03	1.64E-03	1.57E-03	1.22E-03	8.04E-04
4026	563126.2	4234958	1.28E-02	1.14E-02	2.17E-03	1.83E-03	1.03E-02	8.35E-03	1.69E-03	1.62E-03	1.26E-03	8.27E-04
4027	563134.7	4234963	1.30E-02	1.16E-02	2.20E-03	1.85E-03	1.05E-02	8.48E-03	1.71E-03	1.64E-03	1.28E-03	8.39E-04
4028	563143.1	4234967	1.30E-02	1.16E-02	2.21E-03	1.86E-03	1.05E-02	8.51E-03	1.72E-03	1.65E-03	1.28E-03	8.43E-04
4029	563151.6	4234972	1.29E-02	1.15E-02	2.19E-03	1.85E-03	1.04E-02	8.44E-03	1.71E-03	1.64E-03	1.27E-03	8.36E-04
4030	563160	4234976	1.26E-02	1.13E-02	2.14E-03	1.81E-03	1.02E-02	8.27E-03	1.67E-03	1.60E-03	1.25E-03	8.19E-04
4031	563168.5	4234981	1.22E-02	1.09E-02	2.07E-03	1.75E-03	9.87E-03	8.00E-03	1.62E-03	1.55E-03	1.21E-03	7.92E-04
4032	563176.9	4234986	1.17E-02	1.04E-02	1.98E-03	1.67E-03	9.43E-03	7.64E-03	1.54E-03	1.48E-03	1.15E-03	7.57E-04
4033	563185.4	4234990	1.10E-02	9.83E-03	1.87E-03	1.58E-03	8.90E-03	7.21E-03	1.46E-03	1.40E-03	1.09E-03	7.14E-04
4034	563193.8	4234995	1.03E-02	9.19E-03	1.75E-03	1.47E-03	8.32E-03	6.74E-03	1.36E-03	1.31E-03	1.02E-03	6.68E-04
4035	563202.3	4234999	9.55E-03	8.52E-03	1.62E-03	1.37E-03	7.71E-03	6.25E-03	1.26E-03	1.21E-03	9.44E-04	6.19E-04
4036	563210.7	4235004	8.80E-03	7.85E-03	1.49E-03	1.26E-03	7.11E-03	5.76E-03	1.16E-03	1.12E-03	8.69E-04	5.70E-04
4037	563219.2	4235008	8.08E-03	7.21E-03	1.37E-03	1.16E-03	6.52E-03	5.29E-03	1.07E-03	1.02E-03	7.98E-04	5.23E-04
4038	563031.3	4234916	4.47E-03	3.99E-03	7.58E-04	6.39E-04	3.61E-03	2.93E-03	5.91E-04	5.67E-04	4.41E-04	2.90E-04
4039	563019.9	4234905	4.14E-03	3.69E-03	7.02E-04	5.92E-04	3.34E-03	2.71E-03	5.47E-04	5.25E-04	4.09E-04	2.68E-04
4040	563006.9	4234885	4.15E-03	3.70E-03	7.05E-04	5.94E-04	3.35E-03	2.72E-03	5.49E-04	5.27E-04	4.10E-04	2.69E-04
4041	563003.7	4234870	4.67E-03	4.17E-03	7.93E-04	6.68E-04	3.77E-03	3.06E-03	6.18E-04	5.93E-04	4.62E-04	3.03E-04
4042	563045.4	4234926	5.22E-03	4.65E-03	8.85E-04	7.46E-04	4.21E-03	3.41E-03	6.90E-04	6.62E-04	5.15E-04	3.38E-04
4043	563053.9	4234931	5.80E-03	5.17E-03	9.84E-04	8.29E-04	4.68E-03	3.80E-03	7.67E-04	7.36E-04	5.73E-04	3.76E-04
4044	563062.3	4234935	6.45E-03	5.76E-03	1.10E-03	9.23E-04	5.21E-03	4.22E-03	8.53E-04	8.19E-04	6.37E-04	4.18E-04
4045	563070.8	4234940	7.26E-03	6.48E-03	1.23E-03	1.04E-03	5.86E-03	4.75E-03	9.60E-04	9.21E-04	7.17E-04	4.70E-04
4046	563079.2	4234944	8.11E-03	7.23E-03	1.38E-03	1.16E-03	6.55E-03	5.30E-03	1.07E-03	1.03E-03	8.01E-04	5.25E-04
4047	563087.7	4234949	8.93E-03	7.96E-03	1.51E-03	1.28E-03	7.21E-03	5.84E-03	1.18E-03	1.13E-03	8.82E-04	5.78E-04
4048	563096.1	4234953	9.66E-03	8.62E-03	1.64E-03	1.38E-03	7.80E-03	6.32E-03	1.28E-03	1.23E-03	9.54E-04	6.26E-04
4049	563104.6	4234958	1.03E-02	9.17E-03	1.74E-03	1.47E-03	8.30E-03	6.73E-03	1.36E-03	1.30E-03	1.02E-03	6.66E-04
4050	563113	4234962	1.08E-02	9.62E-03	1.83E-03	1.54E-03	8.71E-03	7.06E-03	1.43E-03	1.37E-03	1.06E-03	6.99E-04
4051	563121.5	4234967	1.12E-02	9.96E-03	1.89E-03	1.60E-03	9.02E-03	7.31E-03	1.48E-03	1.42E-03	1.10E-03	7.24E-04
4052	563129.9	4234972	1.14E-02	1.02E-02	1.94E-03	1.64E-03	9.24E-03	7.49E-03	1.51E-03	1.45E-03	1.13E-03	7.42E-04
4053	563138.4	4234976	1.16E-02	1.03E-02	1.96E-03	1.66E-03	9.34E-03	7.57E-03	1.53E-03	1.47E-03	1.14E-03	7.50E-04
4054	563146.8	4234981	1.16E-02	1.03E-02	1.96E-03	1.65E-03	9.33E-03	7.56E-03	1.53E-03	1.47E-03	1.14E-03	7.49E-04
4055	563155.3	4234985	1.14E-02	1.02E-02	1.93E-03	1.63E-03	9.20E-03	7.45E-03	1.51E-03	1.45E-03	1.12E-03	7.38E-04
4056	563163.7	4234990	1.11E-02	9.90E-03	1.88E-03	1.59E-03	8.96E-03	7.26E-03	1.47E-03	1.41E-03	1.10E-03	7.19E-04
4057	563172.2	4234994	1.07E-02	9.53E-03	1.81E-03	1.53E-03	8.63E-03	6.99E-03	1.41E-03	1.36E-03	1.06E-03	6.93E-04
4058	563180.6	4234999	1.02E-02	9.08E-03	1.73E-03	1.46E-03	8.22E-03	6.66E-03	1.35E-03	1.29E-03	1.01E-03	6.60E-04
4059	563189.1	4235003	9.60E-03	8.56E-03	1.63E-03	1.37E-03	7.75E-03	6.28E-03	1.27E-03	1.22E-03	9.48E-04	6.22E-04
4060	563197.5	4235008	8.98E-03	8.01E-03	1.52E-03	1.28E-03	7.25E-03	5.88E-03	1.19E-03	1.14E-03	8.87E-04	5.82E-04
4061	563206	4235013	8.34E-03	7.44E-03	1.42E-03	1.19E-03	6.74E-03	5.46E-03	1.10E-03	1.06E-03	8.24E-04	5.41E-04
4062	563214.4	4235017	7.71E-03	6.88E-03	1.31E-03	1.10E-03	6.23E-03	5.05E-03	1.02E-03	9.78E-04	7.61E-04	5.00E-04
4063	563025.7	4234924	4.04E-03	3.60E-03	6.85E-04	5.77E-04	3.26E-03	2.64E-03	5.34E-04	5.12E-04	3.99E-04	2.62E-04
4064	563019.2	4234917	3.84E-03	3.43E-03	6.52E-04	5.50E-04	3.10E-03	2.51E-03	5.08E-04	4.88E-04	3.80E-04	2.49E-04
4065	563012.7	4234911	3.69E-03	3.29E-03	6.27E-04	5.28E-04	2.98E-03	2.42E-03	4.88E-04	4.69E-04	3.65E-04	2.39E-04
4066	563006.2	4234904	3.58E-03	3.20E-03	6.08E-04	5.12E-04	2.89E-03	2.34E-03	4.74E-04	4.55E-04	3.54E-04	2.32E-04
4067	562997.9	4234889	3.69E-03	3.29E-03	6.27E-04	5.28E-04	2.98E-03	2.42E-03	4.88E-04	4.69E-04	3.65E-04	2.39E-04
4068	562996	4234880	3.93E-03	3.50E-03	6.66E-04	5.61E-04	3.17E-03	2.57E-03	5.19E-04	4.98E-04	3.88E-04	2.54E-04
4069	562994.2	4234871	4.21E-03	3.75E-03	7.14E-04	6.02E-04	3.40E-03	2.75E-03	5.57E-04	5.34E-04	4.16E-04	2.73E-04
4070	562992.3	4234862	4.54E-03	4.05E-03	7.70E-04	6.49E-04	3.67E-03	2.97E-03	6.00E-04	5.76E-04	4.48E-04	2.94E-04
4071	563032.2	4234930	4.27E-03	3.81E-03	7.25E-04	6.11E-04	3.45E-03	2.79E-03	5.65E-04	5.42E-04	4.22E-04	2.77E-04
4072	563040.7	4234935	4.70E-03	4.19E-03	7.97E-04	6.72E-04	3.79E-03	3.08E-03	6.22E-04	5.96E-04	4.64E-04	3.05E-04
4073	563049.1	4234939	5.20E-03	4.64E-03	8.82E-04	7.44E-04	4.20E-03	3.40E-03	6.88E-04	6.60E-04	5.14E-04	3.37E-04
4074	563057.6	4234944	5.77E-03	5.15E-03	9.80E-04	8.26E-04	4.66E-03	3.78E-03	7.64E-04	7.33E-04	5.70E-04	3.74E-04
4075	563066	4234949	6.42E-03	5.73E-03	1.09E-03	9.18E-04	5.18E-03	4.20E-03	8.49E-04	8.15E-04	6.34E-04	4.16E-04
4076	563074.5	4234953	7.12E-03	6.35E-03	1.21E-03	1.02E-03	5.75E-03	4.66E-03	9.42E-04	9.03E-04	7.03E-04	4.61E-04
4077	563082.9	4234958	7.80E-03	6.96E-03	1.32E-03	1.12E-03	6.30E-03	5.11E-03	1.03E-03	9.90E-04	7.71E-04	5.06E-04
4078	563091.4	4234962	8.44E-03	7.53E-03	1.43E-03	1.21E-03	6.81E-03	5.52E-03	1.12E-03	1.07E-03	8.33E-04	5.47E-04
4079	563099.8	4234967	8.99E-03	8.02E-03	1.53E-03	1.29E-03	7.26E-03	5.89E-03	1.19E-03	1.14E-03	8.88E-04	5.83E-04
4080	563108.3	4234971	9.50E-03	8.48E-03	1.61E-03	1.36E-03	7.67E-03	6.22E-03	1.26E-03	1.21E-03	9.38E-04	6.16E-04
4081	563116.7	4234976	9.91E-03	8.84E-03	1.68E-03	1.42E-03	8.00E-03	6.48E-03	1.31E-03	1.26E-03	9.78E-04	6.42E-04
4082	563125.2	4234980	1.02E-02	9.09E-03	1.73E-03	1.46E-03	8.23E-03	6.67E-03	1.35E-03	1.29E-03	1.01E-03	6.61E-04
4083	563133.6	4234985	1.04E-02	9.24E-03	1.76E-03	1.48E-03	8.36E-03	6.78E-03	1.37E-03	1.31E-03	1.02E-03	6.71E-04

4084	563142.1	4234990	1.04E-02	9.27E-03	1.76E-03	1.49E-03	8.39E-03	6.80E-03	1.37E-03	1.32E-03	1.03E-03	6.74E-04
4085	563150.5	4234994	1.03E-02	9.20E-03	1.75E-03	1.47E-03	8.33E-03	6.75E-03	1.36E-03	1.31E-03	1.02E-03	6.68E-04
4086	563159	4234999	1.01E-02	9.02E-03	1.72E-03	1.45E-03	8.16E-03	6.62E-03	1.34E-03	1.28E-03	9.99E-04	6.55E-04
4087	563167.4	4235003	9.80E-03	8.75E-03	1.66E-03	1.40E-03	7.92E-03	6.42E-03	1.30E-03	1.24E-03	9.68E-04	6.35E-04
4088	563175.9	4235008	9.41E-03	8.39E-03	1.60E-03	1.35E-03	7.60E-03	6.16E-03	1.24E-03	1.19E-03	9.29E-04	6.10E-04
4089	563184.3	4235012	8.95E-03	7.98E-03	1.52E-03	1.28E-03	7.22E-03	5.85E-03	1.18E-03	1.14E-03	8.83E-04	5.80E-04
4090	563192.8	4235017	8.43E-03	7.52E-03	1.43E-03	1.21E-03	6.81E-03	5.52E-03	1.12E-03	1.07E-03	8.33E-04	5.47E-04
4091	563201.2	4235021	7.90E-03	7.04E-03	1.34E-03	1.13E-03	6.38E-03	5.17E-03	1.04E-03	1.00E-03	7.80E-04	5.12E-04
4092	563209.7	4235026	7.35E-03	6.56E-03	1.25E-03	1.05E-03	5.94E-03	4.81E-03	9.72E-04	9.33E-04	7.26E-04	4.76E-04
4093	563021.4	4234933	3.71E-03	3.31E-03	6.30E-04	5.31E-04	3.00E-03	2.43E-03	4.91E-04	4.71E-04	3.66E-04	2.40E-04
4094	563009.2	4234921	3.39E-03	3.03E-03	5.76E-04	4.85E-04	2.74E-03	2.22E-03	4.49E-04	4.31E-04	3.35E-04	2.20E-04
4095	562997	4234909	3.19E-03	2.85E-03	5.41E-04	4.56E-04	2.58E-03	2.09E-03	4.22E-04	4.05E-04	3.15E-04	2.07E-04
4096	562989.2	4234894	3.28E-03	2.92E-03	5.56E-04	4.69E-04	2.65E-03	2.14E-03	4.33E-04	4.16E-04	3.24E-04	2.12E-04
4097	562985.7	4234877	3.67E-03	3.27E-03	6.22E-04	5.24E-04	2.96E-03	2.40E-03	4.85E-04	4.65E-04	3.62E-04	2.38E-04
4098	563035.9	4234944	4.29E-03	3.83E-03	7.28E-04	6.13E-04	3.46E-03	2.81E-03	5.67E-04	5.44E-04	4.24E-04	2.78E-04
4099	563044.4	4234948	4.72E-03	4.21E-03	8.02E-04	6.76E-04	3.81E-03	3.09E-03	6.25E-04	5.99E-04	4.67E-04	3.06E-04
4100	563052.8	4234953	5.22E-03	4.65E-03	8.85E-04	7.46E-04	4.21E-03	3.41E-03	6.90E-04	6.62E-04	5.15E-04	3.38E-04
4101	563061.3	4234957	5.76E-03	5.14E-03	9.77E-04	8.23E-04	4.65E-03	3.77E-03	7.61E-04	7.31E-04	5.69E-04	3.73E-04
4102	563069.7	4234962	6.34E-03	5.65E-03	1.08E-03	9.06E-04	5.12E-03	4.15E-03	8.38E-04	8.04E-04	6.26E-04	4.11E-04
4103	563078.2	4234966	6.91E-03	6.17E-03	1.17E-03	9.89E-04	5.58E-03	4.52E-03	9.14E-04	8.77E-04	6.83E-04	4.48E-04
4104	563086.6	4234971	7.47E-03	6.66E-03	1.27E-03	1.07E-03	6.03E-03	4.89E-03	9.88E-04	9.48E-04	7.38E-04	4.84E-04
4105	563095.1	4234976	8.00E-03	7.14E-03	1.36E-03	1.14E-03	6.46E-03	5.24E-03	1.06E-03	1.02E-03	7.90E-04	5.19E-04
4106	563103.5	4234980	8.47E-03	7.55E-03	1.44E-03	1.21E-03	6.84E-03	5.54E-03	1.12E-03	1.07E-03	8.36E-04	5.49E-04
4107	563112	4234985	8.85E-03	7.89E-03	1.50E-03	1.27E-03	7.14E-03	5.79E-03	1.17E-03	1.12E-03	8.74E-04	5.73E-04
4108	563120.4	4234989	9.13E-03	8.15E-03	1.55E-03	1.31E-03	7.38E-03	5.98E-03	1.21E-03	1.16E-03	9.02E-04	5.92E-04
4109	563128.9	4234994	9.32E-03	8.31E-03	1.58E-03	1.33E-03	7.52E-03	6.10E-03	1.23E-03	1.18E-03	9.20E-04	6.04E-04
4110	563137.3	4234998	9.40E-03	8.38E-03	1.59E-03	1.34E-03	7.59E-03	6.15E-03	1.24E-03	1.19E-03	9.28E-04	6.09E-04
4111	563145.8	4235003	9.37E-03	8.36E-03	1.59E-03	1.34E-03	7.56E-03	6.13E-03	1.24E-03	1.19E-03	9.25E-04	6.07E-04
4112	563154.2	4235007	9.24E-03	8.24E-03	1.57E-03	1.32E-03	7.46E-03	6.05E-03	1.22E-03	1.17E-03	9.12E-04	5.99E-04
4113	563162.7	4235012	9.02E-03	8.04E-03	1.53E-03	1.29E-03	7.28E-03	5.90E-03	1.19E-03	1.14E-03	8.90E-04	5.84E-04
4114	563171.1	4235017	8.71E-03	7.77E-03	1.48E-03	1.25E-03	7.03E-03	5.70E-03	1.15E-03	1.11E-03	8.60E-04	5.65E-04
4115	563179.6	4235021	8.34E-03	7.44E-03	1.42E-03	1.19E-03	6.73E-03	5.46E-03	1.10E-03	1.06E-03	8.24E-04	5.41E-04
4116	563188.1	4235026	7.92E-03	7.06E-03	1.34E-03	1.13E-03	6.39E-03	5.18E-03	1.05E-03	1.00E-03	7.82E-04	5.13E-04
4117	563196.5	4235030	7.47E-03	6.66E-03	1.27E-03	1.07E-03	6.03E-03	4.89E-03	9.87E-04	9.47E-04	7.37E-04	4.84E-04
4118	563205	4235035	7.00E-03	6.24E-03	1.19E-03	1.00E-03	5.65E-03	4.58E-03	9.26E-04	8.88E-04	6.91E-04	4.54E-04
4119	563016	4234941	3.38E-03	3.01E-03	5.73E-04	4.83E-04	2.73E-03	2.21E-03	4.46E-04	4.28E-04	3.33E-04	2.19E-04
4120	563009.2	4234934	3.23E-03	2.88E-03	5.48E-04	4.62E-04	2.61E-03	2.11E-03	4.27E-04	4.10E-04	3.19E-04	2.09E-04
4121	563002.4	4234928	3.08E-03	2.74E-03	5.22E-04	4.40E-04	2.48E-03	2.01E-03	4.07E-04	3.90E-04	3.04E-04	1.99E-04
4122	562995.7	4234921	2.94E-03	2.62E-03	4.98E-04	4.20E-04	2.37E-03	1.92E-03	3.88E-04	3.73E-04	2.90E-04	1.90E-04
4123	562988.9	4234914	2.85E-03	2.54E-03	4.84E-04	4.08E-04	2.30E-03	1.87E-03	3.77E-04	3.62E-04	2.82E-04	1.85E-04
4124	562980.2	4234898	2.95E-03	2.63E-03	5.01E-04	4.22E-04	2.38E-03	1.93E-03	3.91E-04	3.75E-04	2.92E-04	1.91E-04
4125	562978.3	4234889	3.12E-03	2.78E-03	5.30E-04	4.46E-04	2.52E-03	2.04E-03	4.13E-04	3.96E-04	3.08E-04	2.02E-04
4126	562976.3	4234879	3.33E-03	2.97E-03	5.65E-04	4.76E-04	2.69E-03	2.18E-03	4.41E-04	4.23E-04	3.29E-04	2.16E-04
4127	562974.4	4234870	3.58E-03	3.20E-03	6.08E-04	5.12E-04	2.89E-03	2.34E-03	4.74E-04	4.55E-04	3.54E-04	2.32E-04
4128	562972.4	4234861	3.86E-03	3.45E-03	6.56E-04	5.53E-04	3.12E-03	2.53E-03	5.11E-04	4.90E-04	3.82E-04	2.50E-04
4129	563022.7	4234948	3.56E-03	3.18E-03	6.05E-04	5.10E-04	2.88E-03	2.33E-03	4.71E-04	4.52E-04	3.52E-04	2.31E-04
4130	563031.2	4234953	3.93E-03	3.50E-03	6.66E-04	5.62E-04	3.17E-03	2.57E-03	5.19E-04	4.98E-04	3.88E-04	2.54E-04
4131	563039.6	4234957	4.32E-03	3.86E-03	7.33E-04	6.18E-04	3.49E-03	2.83E-03	5.72E-04	5.48E-04	4.27E-04	2.80E-04
4132	563048.1	4234962	4.75E-03	4.24E-03	8.06E-04	6.79E-04	3.83E-03	3.11E-03	6.28E-04	6.03E-04	4.69E-04	3.08E-04
4133	563056.5	4234966	5.21E-03	4.65E-03	8.85E-04	7.46E-04	4.21E-03	3.41E-03	6.90E-04	6.62E-04	5.15E-04	3.38E-04
4134	563065	4234971	5.68E-03	5.07E-03	9.64E-04	8.12E-04	4.59E-03	3.72E-03	7.51E-04	7.21E-04	5.61E-04	3.68E-04
4135	563073.4	4234975	6.17E-03	5.50E-03	1.05E-03	8.82E-04	4.98E-03	4.04E-03	8.16E-04	7.83E-04	6.09E-04	4.00E-04
4136	563081.9	4234980	6.67E-03	5.95E-03	1.13E-03	9.54E-04	5.38E-03	4.36E-03	8.82E-04	8.46E-04	6.59E-04	4.32E-04
4137	563090.3	4234984	7.16E-03	6.39E-03	1.21E-03	1.02E-03	5.78E-03	4.68E-03	9.47E-04	9.08E-04	7.07E-04	4.64E-04
4138	563098.8	4234989	7.59E-03	6.77E-03	1.29E-03	1.09E-03	6.13E-03	4.97E-03	1.00E-03	9.63E-04	7.50E-04	4.92E-04
4139	563107.2	4234993	7.95E-03	7.09E-03	1.35E-03	1.14E-03	6.42E-03	5.20E-03	1.05E-03	1.01E-03	7.85E-04	5.15E-04
4140	563115.7	4234998	8.23E-03	7.34E-03	1.40E-03	1.18E-03	6.64E-03	5.38E-03	1.09E-03	1.04E-03	8.13E-04	5.33E-04
4141	563124.2	4235003	8.42E-03	7.51E-03	1.43E-03	1.20E-03	6.80E-03	5.51E-03	1.11E-03	1.07E-03	8.32E-04	5.46E-04
4142	563132.6	4235007	8.53E-03	7.61E-03	1.45E-03	1.22E-03	6.89E-03	5.58E-03	1.13E-03	1.08E-03	8.42E-04	5.53E-04
4143	563141.1	4235012	8.54E-03	7.62E-03	1.45E-03	1.22E-03	6.90E-03	5.59E-03	1.13E-03	1.08E-03	8.44E-04	5.54E-04
4144	563149.5	4235016	8.47E-03	7.55E-03	1.44E-03	1.21E-03	6.84E-03	5.54E-03	1.12E-03	1.07E-03	8.36E-04	5.49E-04
4145	563158	4235021	8.31E-03	7.41E-03	1.41E-03	1.19E-03	6.71E-03	5.44E-03	1.10E-03	1.05E-03	8.21E-04	5.38E-04
4146	563166.4	4235025	8.08E-03	7.20E-03	1.37E-03	1.16E-03	6.52E-03	5.29E-03	1.07E-03	1.02E-03	7.98E-04	5.23E-04
4147	563174.9	4235030	7.78E-03	6.94E-03	1.32E-03	1.11E-03	6.28E-03	5.09E-03	1.03E-03	9.87E-04	7.68E-04	5.04E-04
4148	563183.3	4235034	7.44E-03	6.63E-03	1.26E-03	1.06E-03	6.00E-03	4.87E-03	9.83E-04	9.44E-04	7.34E-04	4.82E-04
4149	563191.8	4235039	7.06E-03	6.30E-03	1.20E-03	1.01E-03	5.70E-03	4.62E-03	9.33E-04	8.96E-04	6.97E-04	4.57E-04
4150	563200.2	4235044	6.66E-03	5.94E-03	1.13E-03	9.52E-04	5.38E-03	4.36E-03	8.80E-04	8.45E-04	6.57E-04	4.31E-04

4151	563007.2	4234960	2.80E-03	2.50E-03	4.76E-04	4.01E-04	2.26E-03	1.83E-03	3.71E-04	3.56E-04	2.77E-04	1.82E-04
4152	562995	4234947	2.58E-03	2.30E-03	4.38E-04	3.69E-04	2.08E-03	1.69E-03	3.41E-04	3.27E-04	2.55E-04	1.67E-04
4153	562982.8	4234935	2.37E-03	2.12E-03	4.02E-04	3.39E-04	1.91E-03	1.55E-03	3.14E-04	3.01E-04	2.34E-04	1.54E-04
4154	562970.6	4234923	2.26E-03	2.02E-03	3.84E-04	3.23E-04	1.83E-03	1.48E-03	2.99E-04	2.87E-04	2.23E-04	1.46E-04
4155	562962.8	4234909	2.33E-03	2.08E-03	3.96E-04	3.34E-04	1.88E-03	1.53E-03	3.09E-04	2.96E-04	2.30E-04	1.51E-04
4156	562959.3	4234892	2.54E-03	2.26E-03	4.31E-04	3.63E-04	2.05E-03	1.66E-03	3.36E-04	3.22E-04	2.51E-04	1.65E-04
4157	562955.8	4234875	2.83E-03	2.53E-03	4.81E-04	4.05E-04	2.29E-03	1.85E-03	3.75E-04	3.59E-04	2.80E-04	1.84E-04
4158	563021.7	4234970	3.26E-03	2.90E-03	5.52E-04	4.66E-04	2.63E-03	2.13E-03	4.30E-04	4.13E-04	3.21E-04	2.11E-04
4159	563030.2	4234975	3.57E-03	3.19E-03	6.06E-04	5.11E-04	2.89E-03	2.34E-03	4.73E-04	4.53E-04	3.53E-04	2.32E-04
4160	563038.6	4234979	3.88E-03	3.47E-03	6.59E-04	5.56E-04	3.14E-03	2.54E-03	5.14E-04	4.93E-04	3.84E-04	2.52E-04
4161	563047.1	4234984	4.22E-03	3.76E-03	7.15E-04	6.03E-04	3.40E-03	2.76E-03	5.58E-04	5.35E-04	4.16E-04	2.73E-04
4162	563055.5	4234988	4.58E-03	4.09E-03	7.77E-04	6.55E-04	3.70E-03	3.00E-03	6.06E-04	5.81E-04	4.52E-04	2.97E-04
4163	563064	4234993	4.97E-03	4.43E-03	8.43E-04	7.11E-04	4.01E-03	3.25E-03	6.57E-04	6.31E-04	4.91E-04	3.22E-04
4164	563072.4	4234997	5.38E-03	4.80E-03	9.13E-04	7.69E-04	4.34E-03	3.52E-03	7.11E-04	6.83E-04	5.31E-04	3.49E-04
4165	563080.9	4235002	5.80E-03	5.17E-03	9.84E-04	8.29E-04	4.68E-03	3.79E-03	7.67E-04	7.35E-04	5.72E-04	3.76E-04
4166	563089.3	4235007	6.19E-03	5.52E-03	1.05E-03	8.85E-04	5.00E-03	4.05E-03	8.18E-04	7.85E-04	6.11E-04	4.01E-04
4167	563097.8	4235011	6.52E-03	5.81E-03	1.11E-03	9.32E-04	5.26E-03	4.26E-03	8.62E-04	8.27E-04	6.44E-04	4.22E-04
4168	563106.2	4235016	6.77E-03	6.04E-03	1.15E-03	9.68E-04	5.47E-03	4.43E-03	8.95E-04	8.59E-04	6.69E-04	4.39E-04
4169	563114.7	4235020	6.97E-03	6.22E-03	1.18E-03	9.96E-04	5.63E-03	4.56E-03	9.21E-04	8.84E-04	6.88E-04	4.52E-04
4170	563123.1	4235025	7.10E-03	6.33E-03	1.20E-03	1.02E-03	5.73E-03	4.65E-03	9.39E-04	9.01E-04	7.01E-04	4.60E-04
4171	563131.6	4235029	7.17E-03	6.39E-03	1.22E-03	1.02E-03	5.79E-03	4.69E-03	9.48E-04	9.09E-04	7.08E-04	4.64E-04
4172	563140	4235034	7.16E-03	6.39E-03	1.22E-03	1.02E-03	5.78E-03	4.69E-03	9.47E-04	9.09E-04	7.08E-04	4.64E-04
4173	563148.5	4235038	7.10E-03	6.33E-03	1.20E-03	1.02E-03	5.73E-03	4.64E-03	9.39E-04	9.01E-04	7.01E-04	4.60E-04
4174	563156.9	4235043	6.97E-03	6.22E-03	1.18E-03	9.97E-04	5.63E-03	4.56E-03	9.22E-04	8.85E-04	6.88E-04	4.52E-04
4175	563165.4	4235047	6.79E-03	6.06E-03	1.15E-03	9.71E-04	5.48E-03	4.44E-03	8.98E-04	8.62E-04	6.71E-04	4.40E-04
4176	563173.8	4235052	6.56E-03	5.85E-03	1.11E-03	9.39E-04	5.30E-03	4.29E-03	8.68E-04	8.33E-04	6.48E-04	4.25E-04
4177	563182.3	4235057	6.30E-03	5.62E-03	1.07E-03	9.01E-04	5.09E-03	4.12E-03	8.33E-04	7.99E-04	6.22E-04	4.08E-04
4178	563190.7	4235061	6.01E-03	5.36E-03	1.02E-03	8.59E-04	4.85E-03	3.93E-03	7.95E-04	7.62E-04	5.93E-04	3.89E-04
4179	562997.5	4234977	2.41E-03	2.15E-03	4.09E-04	3.45E-04	1.95E-03	1.58E-03	3.19E-04	3.06E-04	2.38E-04	1.56E-04
4180	562991.2	4234971	2.30E-03	2.05E-03	3.90E-04	3.28E-04	1.85E-03	1.50E-03	3.04E-04	2.91E-04	2.27E-04	1.49E-04
4181	562978.5	4234958	2.11E-03	1.88E-03	3.58E-04	3.01E-04	1.70E-03	1.38E-03	2.79E-04	2.67E-04	2.08E-04	1.37E-04
4182	562972.2	4234952	2.02E-03	1.80E-03	3.43E-04	2.89E-04	1.63E-03	1.32E-03	2.67E-04	2.57E-04	2.00E-04	1.31E-04
4183	562959.6	4234939	1.90E-03	1.69E-03	3.22E-04	2.72E-04	1.53E-03	1.24E-03	2.51E-04	2.41E-04	1.88E-04	1.23E-04
4184	562945.2	4234918	1.88E-03	1.68E-03	3.19E-04	2.69E-04	1.52E-03	1.23E-03	2.49E-04	2.39E-04	1.86E-04	1.22E-04
4185	562941.5	4234900	2.04E-03	1.82E-03	3.46E-04	2.91E-04	1.65E-03	1.33E-03	2.70E-04	2.59E-04	2.01E-04	1.32E-04
4186	562939.7	4234892	2.15E-03	1.91E-03	3.64E-04	3.07E-04	1.73E-03	1.40E-03	2.84E-04	2.72E-04	2.12E-04	1.39E-04
4187	562936.1	4234874	2.43E-03	2.17E-03	4.12E-04	3.47E-04	1.96E-03	1.59E-03	3.21E-04	3.08E-04	2.40E-04	1.57E-04
4188	563012.2	4234988	2.75E-03	2.45E-03	4.67E-04	3.93E-04	2.22E-03	1.80E-03	3.64E-04	3.49E-04	2.72E-04	1.78E-04
4189	563020.7	4234992	2.97E-03	2.65E-03	5.05E-04	4.25E-04	2.40E-03	1.95E-03	3.93E-04	3.77E-04	2.94E-04	1.93E-04
4190	563029.1	4234997	3.21E-03	2.86E-03	5.44E-04	4.58E-04	2.59E-03	2.10E-03	4.24E-04	4.07E-04	3.17E-04	2.08E-04
4191	563037.6	4235001	3.49E-03	3.11E-03	5.91E-04	4.98E-04	2.81E-03	2.28E-03	4.61E-04	4.42E-04	3.44E-04	2.26E-04
4192	563046	4235006	3.80E-03	3.39E-03	6.45E-04	5.43E-04	3.07E-03	2.49E-03	5.02E-04	4.82E-04	3.75E-04	2.46E-04
4193	563054.5	4235010	4.13E-03	3.68E-03	7.01E-04	5.90E-04	3.33E-03	2.70E-03	5.46E-04	5.24E-04	4.08E-04	2.68E-04
4194	563062.9	4235015	4.47E-03	3.98E-03	7.58E-04	6.39E-04	3.61E-03	2.92E-03	5.91E-04	5.67E-04	4.41E-04	2.89E-04
4195	563071.4	4235020	4.80E-03	4.28E-03	8.14E-04	6.86E-04	3.88E-03	3.14E-03	6.35E-04	6.09E-04	4.74E-04	3.11E-04
4196	563079.8	4235024	5.12E-03	4.57E-03	8.69E-04	7.32E-04	4.13E-03	3.35E-03	6.77E-04	6.50E-04	5.06E-04	3.32E-04
4197	563088.3	4235029	5.41E-03	4.82E-03	9.17E-04	7.73E-04	4.37E-03	3.54E-03	7.15E-04	6.86E-04	5.34E-04	3.50E-04
4198	563096.7	4235033	5.64E-03	5.03E-03	9.57E-04	8.06E-04	4.55E-03	3.69E-03	7.45E-04	7.15E-04	5.57E-04	3.65E-04
4199	563105.2	4235038	5.82E-03	5.19E-03	9.87E-04	8.32E-04	4.70E-03	3.81E-03	7.70E-04	7.38E-04	5.75E-04	3.77E-04
4200	563113.6	4235042	5.97E-03	5.32E-03	1.01E-03	8.53E-04	4.82E-03	3.90E-03	7.89E-04	7.57E-04	5.89E-04	3.87E-04
4201	563122.1	4235047	6.08E-03	5.42E-03	1.03E-03	8.69E-04	4.91E-03	3.98E-03	8.03E-04	7.71E-04	6.00E-04	3.94E-04
4202	563130.5	4235051	6.12E-03	5.46E-03	1.04E-03	8.75E-04	4.94E-03	4.00E-03	8.09E-04	7.77E-04	6.04E-04	3.97E-04
4203	563139	4235056	6.11E-03	5.45E-03	1.04E-03	8.74E-04	4.93E-03	4.00E-03	8.08E-04	7.75E-04	6.03E-04	3.96E-04
4204	563147.4	4235061	6.05E-03	5.40E-03	1.03E-03	8.65E-04	4.88E-03	3.96E-03	8.00E-04	7.67E-04	5.97E-04	3.92E-04
4205	563155.9	4235065	5.95E-03	5.31E-03	1.01E-03	8.50E-04	4.80E-03	3.89E-03	7.86E-04	7.55E-04	5.87E-04	3.85E-04
4206	563164.4	4235070	5.80E-03	5.18E-03	9.84E-04	8.30E-04	4.68E-03	3.80E-03	7.67E-04	7.36E-04	5.73E-04	3.76E-04
4207	563172.8	4235074	5.62E-03	5.02E-03	9.54E-04	8.04E-04	4.54E-03	3.68E-03	7.44E-04	7.13E-04	5.55E-04	3.64E-04
4208	563181.3	4235079	5.42E-03	4.83E-03	9.19E-04	7.75E-04	4.37E-03	3.54E-03	7.16E-04	6.87E-04	5.35E-04	3.51E-04
4209	562987.8	4234994	2.15E-03	1.91E-03	3.64E-04	3.07E-04	1.73E-03	1.40E-03	2.84E-04	2.72E-04	2.12E-04	1.39E-04
4210	562981.3	4234988	2.05E-03	1.82E-03	3.47E-04	2.93E-04	1.65E-03	1.34E-03	2.71E-04	2.60E-04	2.02E-04	1.33E-04
4211	562974.8	4234981	1.95E-03	1.74E-03	3.32E-04	2.79E-04	1.58E-03	1.28E-03	2.58E-04	2.48E-04	1.93E-04	1.27E-04
4212	562968.3	4234975	1.87E-03	1.67E-03	3.18E-04	2.68E-04	1.51E-03	1.22E-03	2.47E-04	2.37E-04	1.85E-04	1.21E-04
4213	562961.8	4234968	1.80E-03	1.60E-03	3.05E-04	2.57E-04	1.45E-03	1.18E-03	2.38E-04	2.28E-04	1.78E-04	1.16E-04
4214	562955.3	4234962	1.73E-03	1.55E-03	2.94E-04	2.48E-04	1.40E-03	1.13E-03	2.29E-04	2.20E-04	1.71E-04	1.12E-04
4215	562948.8	4234955	1.68E-03	1.50E-03	2.85E-04	2.40E-04	1.35E-03	1.10E-03	2.22E-04	2.13E-04	1.66E-04	1.09E-04
4216	562942.4	4234949	1.63E-03	1.45E-03	2.77E-04	2.33E-04	1.32E-03	1.07E-03	2.16E-04	2.07E-04	1.61E-04	1.06E-04
4217	562935.9	4234942	1.59E-03	1.42E-03	2.70E-04	2.28E-04	1.29E-03	1.04E-03	2.11E-04	2.02E-04	1.57E-04	1.03E-04

4218	562927.5	4234927	1.61E-03	1.44E-03	2.73E-04	2.30E-04	1.30E-03	1.05E-03	2.13E-04	2.04E-04	1.59E-04	1.04E-04
4219	562925.6	4234918	1.66E-03	1.48E-03	2.82E-04	2.38E-04	1.34E-03	1.09E-03	2.20E-04	2.11E-04	1.64E-04	1.08E-04
4220	562923.8	4234909	1.73E-03	1.55E-03	2.94E-04	2.48E-04	1.40E-03	1.13E-03	2.29E-04	2.20E-04	1.71E-04	1.12E-04
4221	562921.9	4234900	1.82E-03	1.62E-03	3.08E-04	2.60E-04	1.47E-03	1.19E-03	2.40E-04	2.31E-04	1.79E-04	1.18E-04
4222	562920	4234891	1.92E-03	1.71E-03	3.26E-04	2.74E-04	1.55E-03	1.26E-03	2.54E-04	2.43E-04	1.89E-04	1.24E-04
4223	562918.2	4234882	2.04E-03	1.82E-03	3.46E-04	2.92E-04	1.65E-03	1.33E-03	2.70E-04	2.59E-04	2.01E-04	1.32E-04
4224	562916.3	4234873	2.18E-03	1.94E-03	3.69E-04	3.11E-04	1.76E-03	1.42E-03	2.88E-04	2.76E-04	2.15E-04	1.41E-04
4225	562914.5	4234864	2.33E-03	2.08E-03	3.96E-04	3.34E-04	1.88E-03	1.53E-03	3.09E-04	2.96E-04	2.30E-04	1.51E-04
4226	562912.6	4234855	2.51E-03	2.24E-03	4.25E-04	3.58E-04	2.02E-03	1.64E-03	3.31E-04	3.18E-04	2.47E-04	1.62E-04
4227	562994.3	4235001	2.25E-03	2.01E-03	3.82E-04	3.22E-04	1.82E-03	1.47E-03	2.98E-04	2.86E-04	2.22E-04	1.46E-04
4228	563002.7	4235005	2.42E-03	2.16E-03	4.10E-04	3.46E-04	1.95E-03	1.58E-03	3.20E-04	3.07E-04	2.39E-04	1.57E-04
4229	563011.2	4235010	2.60E-03	2.32E-03	4.41E-04	3.72E-04	2.10E-03	1.70E-03	3.44E-04	3.30E-04	2.57E-04	1.68E-04
4230	563019.6	4235014	2.80E-03	2.49E-03	4.74E-04	4.00E-04	2.26E-03	1.83E-03	3.70E-04	3.55E-04	2.76E-04	1.81E-04
4231	563028.1	4235019	3.01E-03	2.68E-03	5.10E-04	4.30E-04	2.43E-03	1.97E-03	3.98E-04	3.82E-04	2.97E-04	1.95E-04
4232	563036.6	4235024	3.24E-03	2.89E-03	5.50E-04	4.64E-04	2.62E-03	2.12E-03	4.29E-04	4.11E-04	3.20E-04	2.10E-04
4233	563045	4235028	3.50E-03	3.13E-03	5.94E-04	5.01E-04	2.83E-03	2.29E-03	4.63E-04	4.45E-04	3.46E-04	2.27E-04
4234	563053.5	4235033	3.77E-03	3.37E-03	6.40E-04	5.40E-04	3.05E-03	2.47E-03	4.99E-04	4.79E-04	3.73E-04	2.45E-04
4235	563061.9	4235037	4.04E-03	3.61E-03	6.86E-04	5.78E-04	3.26E-03	2.65E-03	5.35E-04	5.13E-04	3.99E-04	2.62E-04
4236	563070.4	4235042	4.29E-03	3.83E-03	7.29E-04	6.14E-04	3.47E-03	2.81E-03	5.68E-04	5.45E-04	4.24E-04	2.78E-04
4237	563078.8	4235046	4.52E-03	4.03E-03	7.67E-04	6.46E-04	3.65E-03	2.96E-03	5.97E-04	5.73E-04	4.46E-04	2.93E-04
4238	563087.3	4235051	4.71E-03	4.20E-03	7.99E-04	6.74E-04	3.80E-03	3.08E-03	6.23E-04	5.98E-04	4.65E-04	3.05E-04
4239	563095.7	4235055	4.88E-03	4.35E-03	8.27E-04	6.97E-04	3.94E-03	3.19E-03	6.45E-04	6.19E-04	4.82E-04	3.16E-04
4240	563104.2	4235060	5.04E-03	4.49E-03	8.55E-04	7.21E-04	4.07E-03	3.30E-03	6.66E-04	6.39E-04	4.98E-04	3.27E-04
4241	563112.6	4235064	5.16E-03	4.60E-03	8.75E-04	7.38E-04	4.16E-03	3.38E-03	6.82E-04	6.54E-04	5.09E-04	3.34E-04
4242	563121.1	4235069	5.23E-03	4.66E-03	8.87E-04	7.48E-04	4.22E-03	3.42E-03	6.92E-04	6.64E-04	5.16E-04	3.39E-04
4243	563129.5	4235074	5.26E-03	4.69E-03	8.92E-04	7.52E-04	4.24E-03	3.44E-03	6.95E-04	6.67E-04	5.19E-04	3.41E-04
4244	563138	4235078	5.25E-03	4.68E-03	8.91E-04	7.51E-04	4.24E-03	3.44E-03	6.95E-04	6.66E-04	5.19E-04	3.40E-04
4245	563146.4	4235083	5.21E-03	4.65E-03	8.85E-04	7.46E-04	4.21E-03	3.41E-03	6.90E-04	6.62E-04	5.15E-04	3.38E-04
4246	563154.9	4235087	5.14E-03	4.59E-03	8.72E-04	7.35E-04	4.15E-03	3.36E-03	6.80E-04	6.52E-04	5.08E-04	3.33E-04
4247	563163.3	4235092	5.02E-03	4.48E-03	8.51E-04	7.18E-04	4.05E-03	3.28E-03	6.64E-04	6.37E-04	4.96E-04	3.25E-04
4248	563171.8	4235096	4.87E-03	4.35E-03	8.27E-04	6.97E-04	3.94E-03	3.19E-03	6.45E-04	6.18E-04	4.81E-04	3.16E-04
4249	562978.2	4235012	1.93E-03	1.72E-03	3.27E-04	2.76E-04	1.56E-03	1.26E-03	2.55E-04	2.45E-04	1.90E-04	1.25E-04
4250	562971.5	4235005	1.84E-03	1.64E-03	3.12E-04	2.63E-04	1.49E-03	1.21E-03	2.44E-04	2.34E-04	1.82E-04	1.19E-04
4251	562964.9	4234999	1.76E-03	1.57E-03	2.99E-04	2.52E-04	1.42E-03	1.15E-03	2.33E-04	2.23E-04	1.74E-04	1.14E-04
4252	562958.3	4234992	1.69E-03	1.50E-03	2.86E-04	2.41E-04	1.36E-03	1.10E-03	2.23E-04	2.14E-04	1.67E-04	1.09E-04
4253	562951.6	4234985	1.62E-03	1.44E-03	2.75E-04	2.32E-04	1.31E-03	1.06E-03	2.14E-04	2.05E-04	1.60E-04	1.05E-04
4254	562945	4234979	1.56E-03	1.39E-03	2.64E-04	2.23E-04	1.26E-03	1.02E-03	2.06E-04	1.98E-04	1.54E-04	1.01E-04
4255	562938.3	4234972	1.50E-03	1.34E-03	2.55E-04	2.15E-04	1.22E-03	9.85E-04	1.99E-04	1.91E-04	1.49E-04	9.75E-05
4256	562931.7	4234965	1.46E-03	1.30E-03	2.47E-04	2.09E-04	1.18E-03	9.54E-04	1.93E-04	1.85E-04	1.44E-04	9.45E-05
4257	562925.1	4234959	1.42E-03	1.27E-03	2.41E-04	2.03E-04	1.15E-03	9.29E-04	1.88E-04	1.80E-04	1.40E-04	9.20E-05
4258	562918.4	4234952	1.39E-03	1.24E-03	2.36E-04	1.99E-04	1.12E-03	9.08E-04	1.84E-04	1.76E-04	1.37E-04	9.00E-05
4259	562909.9	4234936	1.40E-03	1.25E-03	2.37E-04	2.00E-04	1.13E-03	9.14E-04	1.85E-04	1.77E-04	1.38E-04	9.05E-05
4260	562908	4234927	1.44E-03	1.28E-03	2.44E-04	2.06E-04	1.16E-03	9.42E-04	1.90E-04	1.83E-04	1.42E-04	9.33E-05
4261	562906.1	4234918	1.49E-03	1.33E-03	2.53E-04	2.14E-04	1.21E-03	9.77E-04	1.98E-04	1.90E-04	1.48E-04	9.68E-05
4262	562904.1	4234909	1.56E-03	1.39E-03	2.65E-04	2.23E-04	1.26E-03	1.02E-03	2.06E-04	1.98E-04	1.54E-04	1.01E-04
4263	562902.2	4234900	1.64E-03	1.46E-03	2.78E-04	2.35E-04	1.32E-03	1.07E-03	2.17E-04	2.08E-04	1.62E-04	1.06E-04
4264	562900.3	4234890	1.74E-03	1.55E-03	2.95E-04	2.48E-04	1.40E-03	1.14E-03	2.30E-04	2.20E-04	1.72E-04	1.13E-04
4265	562898.4	4234881	1.85E-03	1.65E-03	3.14E-04	2.64E-04	1.49E-03	1.21E-03	2.44E-04	2.34E-04	1.83E-04	1.20E-04
4266	562896.5	4234872	1.98E-03	1.76E-03	3.35E-04	2.83E-04	1.60E-03	1.29E-03	2.61E-04	2.51E-04	1.95E-04	1.28E-04
4267	562894.6	4234863	2.12E-03	1.89E-03	3.60E-04	3.03E-04	1.71E-03	1.39E-03	2.80E-04	2.69E-04	2.09E-04	1.37E-04
4268	562892.7	4234854	2.28E-03	2.03E-03	3.86E-04	3.26E-04	1.84E-03	1.49E-03	3.01E-04	2.89E-04	2.25E-04	1.48E-04
4269	562984.8	4235018	2.02E-03	1.80E-03	3.43E-04	2.89E-04	1.63E-03	1.32E-03	2.67E-04	2.56E-04	2.00E-04	1.31E-04
4270	562993.3	4235023	2.16E-03	1.93E-03	3.66E-04	3.09E-04	1.74E-03	1.41E-03	2.85E-04	2.74E-04	2.13E-04	1.40E-04
4271	563001.7	4235028	2.31E-03	2.06E-03	3.91E-04	3.30E-04	1.86E-03	1.51E-03	3.05E-04	2.93E-04	2.28E-04	1.50E-04
4272	563010.2	4235032	2.47E-03	2.20E-03	4.19E-04	3.53E-04	1.99E-03	1.62E-03	3.26E-04	3.13E-04	2.44E-04	1.60E-04
4273	563018.6	4235037	2.64E-03	2.36E-03	4.48E-04	3.78E-04	2.13E-03	1.73E-03	3.49E-04	3.35E-04	2.61E-04	1.71E-04
4274	563027.1	4235041	2.82E-03	2.52E-03	4.79E-04	4.03E-04	2.28E-03	1.85E-03	3.73E-04	3.58E-04	2.79E-04	1.83E-04
4275	563035.5	4235046	3.02E-03	2.69E-03	5.12E-04	4.31E-04	2.43E-03	1.97E-03	3.99E-04	3.83E-04	2.98E-04	1.95E-04
4276	563044	4235050	3.23E-03	2.88E-03	5.49E-04	4.62E-04	2.61E-03	2.12E-03	4.28E-04	4.10E-04	3.19E-04	2.10E-04
4277	563052.4	4235055	3.46E-03	3.08E-03	5.86E-04	4.94E-04	2.79E-03	2.26E-03	4.57E-04	4.39E-04	3.41E-04	2.24E-04
4278	563060.9	4235059	3.67E-03	3.28E-03	6.24E-04	5.26E-04	2.97E-03	2.40E-03	4.86E-04	4.66E-04	3.63E-04	2.38E-04
4279	563069.3	4235064	3.87E-03	3.45E-03	6.56E-04	5.53E-04	3.12E-03	2.53E-03	5.11E-04	4.91E-04	3.82E-04	2.51E-04
4280	563077.8	4235068	4.04E-03	3.60E-03	6.85E-04	5.77E-04	3.26E-03	2.64E-03	5.34E-04	5.12E-04	3.99E-04	2.62E-04
4281	563086.2	4235073	4.19E-03	3.74E-03	7.11E-04	5.99E-04	3.38E-03	2.74E-03	5.54E-04	5.31E-04	4.14E-04	2.71E-04
4282	563094.7	4235078	4.32E-03	3.85E-03	7.33E-04	6.18E-04	3.49E-03	2.83E-03	5.71E-04	5.48E-04	4.26E-04	2.80E-04
4283	563103.1	4235082	4.43E-03	3.95E-03	7.51E-04	6.33E-04	3.57E-03	2.90E-03	5.85E-04	5.62E-04	4.37E-04	2.87E-04
4284	563111.6	4235087	4.50E-03	4.01E-03	7.63E-04	6.43E-04	3.63E-03	2.94E-03	5.95E-04	5.71E-04	4.44E-04	2.92E-04

4285	563120	4235091	4.55E-03	4.06E-03	7.71E-04	6.50E-04	3.67E-03	2.98E-03	6.01E-04	5.77E-04	4.49E-04	2.95E-04
4286	563128.5	4235096	4.57E-03	4.08E-03	7.76E-04	6.54E-04	3.69E-03	2.99E-03	6.05E-04	5.80E-04	4.52E-04	2.96E-04
4287	563136.9	4235100	4.57E-03	4.07E-03	7.75E-04	6.53E-04	3.69E-03	2.99E-03	6.04E-04	5.80E-04	4.51E-04	2.96E-04
4288	563145.4	4235105	4.53E-03	4.04E-03	7.68E-04	6.47E-04	3.66E-03	2.96E-03	5.99E-04	5.74E-04	4.47E-04	2.93E-04
4289	563153.8	4235109	4.46E-03	3.97E-03	7.56E-04	6.37E-04	3.60E-03	2.92E-03	5.89E-04	5.65E-04	4.40E-04	2.89E-04
4290	563162.3	4235114	4.37E-03	3.90E-03	7.41E-04	6.25E-04	3.53E-03	2.86E-03	5.78E-04	5.54E-04	4.31E-04	2.83E-04
4291	562968.6	4235029	1.75E-03	1.56E-03	2.96E-04	2.50E-04	1.41E-03	1.14E-03	2.31E-04	2.22E-04	1.73E-04	1.13E-04
4292	562961.8	4235023	1.67E-03	1.49E-03	2.84E-04	2.39E-04	1.35E-03	1.09E-03	2.21E-04	2.12E-04	1.65E-04	1.08E-04
4293	562955	4235016	1.60E-03	1.43E-03	2.72E-04	2.29E-04	1.29E-03	1.05E-03	2.12E-04	2.03E-04	1.58E-04	1.04E-04
4294	562948.3	4235009	1.53E-03	1.37E-03	2.60E-04	2.19E-04	1.24E-03	1.00E-03	2.03E-04	1.95E-04	1.52E-04	9.94E-05
4295	562941.5	4235002	1.47E-03	1.31E-03	2.50E-04	2.11E-04	1.19E-03	9.64E-04	1.95E-04	1.87E-04	1.45E-04	9.55E-05
4296	562934.8	4234996	1.42E-03	1.26E-03	2.40E-04	2.03E-04	1.14E-03	9.27E-04	1.87E-04	1.80E-04	1.40E-04	9.18E-05
4297	562928	4234989	1.37E-03	1.22E-03	2.32E-04	1.95E-04	1.10E-03	8.94E-04	1.81E-04	1.73E-04	1.35E-04	8.86E-05
4298	562921.2	4234982	1.32E-03	1.18E-03	2.24E-04	1.89E-04	1.07E-03	8.65E-04	1.75E-04	1.68E-04	1.31E-04	8.57E-05
4299	562914.5	4234975	1.28E-03	1.14E-03	2.18E-04	1.83E-04	1.04E-03	8.39E-04	1.70E-04	1.63E-04	1.27E-04	8.31E-05
4300	562907.7	4234968	1.25E-03	1.11E-03	2.12E-04	1.79E-04	1.01E-03	8.18E-04	1.65E-04	1.59E-04	1.23E-04	8.10E-05
4301	562900.9	4234962	1.22E-03	1.09E-03	2.07E-04	1.75E-04	9.87E-04	8.00E-04	1.62E-04	1.55E-04	1.21E-04	7.92E-05
4302	562892.2	4234946	1.23E-03	1.09E-03	2.08E-04	1.75E-04	9.91E-04	8.03E-04	1.62E-04	1.56E-04	1.21E-04	7.95E-05
4303	562890.3	4234936	1.26E-03	1.12E-03	2.14E-04	1.80E-04	1.02E-03	8.25E-04	1.67E-04	1.60E-04	1.25E-04	8.17E-05
4304	562888.4	4234927	1.30E-03	1.16E-03	2.21E-04	1.86E-04	1.05E-03	8.53E-04	1.72E-04	1.65E-04	1.29E-04	8.45E-05
4305	562886.4	4234918	1.36E-03	1.21E-03	2.30E-04	1.94E-04	1.10E-03	8.88E-04	1.79E-04	1.72E-04	1.34E-04	8.79E-05
4306	562884.5	4234908	1.42E-03	1.27E-03	2.41E-04	2.03E-04	1.15E-03	9.30E-04	1.88E-04	1.80E-04	1.40E-04	9.21E-05
4307	562882.5	4234899	1.50E-03	1.34E-03	2.54E-04	2.14E-04	1.21E-03	9.80E-04	1.98E-04	1.90E-04	1.48E-04	9.71E-05
4308	562880.6	4234889	1.59E-03	1.42E-03	2.69E-04	2.27E-04	1.28E-03	1.04E-03	2.10E-04	2.01E-04	1.57E-04	1.03E-04
4309	562878.6	4234880	1.69E-03	1.51E-03	2.87E-04	2.42E-04	1.37E-03	1.11E-03	2.24E-04	2.15E-04	1.67E-04	1.10E-04
4310	562876.7	4234871	1.80E-03	1.61E-03	3.06E-04	2.58E-04	1.46E-03	1.18E-03	2.38E-04	2.29E-04	1.78E-04	1.17E-04
4311	562874.8	4234861	1.91E-03	1.71E-03	3.25E-04	2.74E-04	1.55E-03	1.25E-03	2.53E-04	2.43E-04	1.89E-04	1.24E-04
4312	562872.8	4234852	2.03E-03	1.81E-03	3.44E-04	2.90E-04	1.64E-03	1.33E-03	2.68E-04	2.57E-04	2.00E-04	1.31E-04
4313	562975.3	4235036	1.83E-03	1.63E-03	3.10E-04	2.61E-04	1.48E-03	1.20E-03	2.42E-04	2.32E-04	1.80E-04	1.18E-04
4314	562983.8	4235041	1.94E-03	1.73E-03	3.30E-04	2.78E-04	1.57E-03	1.27E-03	2.57E-04	2.46E-04	1.92E-04	1.26E-04
4315	562992.2	4235045	2.07E-03	1.84E-03	3.51E-04	2.96E-04	1.67E-03	1.35E-03	2.73E-04	2.62E-04	2.04E-04	1.34E-04
4316	563000.7	4235050	2.20E-03	1.96E-03	3.73E-04	3.15E-04	1.78E-03	1.44E-03	2.91E-04	2.79E-04	2.17E-04	1.43E-04
4317	563009.1	4235054	2.34E-03	2.09E-03	3.97E-04	3.35E-04	1.89E-03	1.53E-03	3.10E-04	2.97E-04	2.31E-04	1.52E-04
4318	563017.6	4235059	2.49E-03	2.22E-03	4.23E-04	3.56E-04	2.01E-03	1.63E-03	3.29E-04	3.16E-04	2.46E-04	1.61E-04
4319	563026	4235063	2.65E-03	2.36E-03	4.49E-04	3.78E-04	2.14E-03	1.73E-03	3.50E-04	3.36E-04	2.61E-04	1.71E-04
4320	563034.5	4235068	2.81E-03	2.50E-03	4.76E-04	4.01E-04	2.27E-03	1.84E-03	3.71E-04	3.56E-04	2.77E-04	1.82E-04
4321	563042.9	4235072	2.99E-03	2.67E-03	5.07E-04	4.28E-04	2.41E-03	1.96E-03	3.95E-04	3.79E-04	2.95E-04	1.94E-04
4322	563051.4	4235077	3.17E-03	2.83E-03	5.38E-04	4.54E-04	2.56E-03	2.08E-03	4.20E-04	4.03E-04	3.13E-04	2.06E-04
4323	563059.8	4235082	3.35E-03	2.99E-03	5.69E-04	4.79E-04	2.71E-03	2.19E-03	4.43E-04	4.25E-04	3.31E-04	2.17E-04
4324	563068.3	4235086	3.51E-03	3.13E-03	5.95E-04	5.02E-04	2.83E-03	2.30E-03	4.64E-04	4.45E-04	3.46E-04	2.27E-04
4325	563076.8	4235091	3.64E-03	3.25E-03	6.18E-04	5.21E-04	2.94E-03	2.38E-03	4.82E-04	4.62E-04	3.60E-04	2.36E-04
4326	563085.2	4235095	3.76E-03	3.35E-03	6.38E-04	5.38E-04	3.04E-03	2.46E-03	4.97E-04	4.77E-04	3.71E-04	2.44E-04
4327	563093.7	4235100	3.86E-03	3.44E-03	6.55E-04	5.52E-04	3.12E-03	2.53E-03	5.10E-04	4.90E-04	3.81E-04	2.50E-04
4328	563102.1	4235104	3.94E-03	3.51E-03	6.68E-04	5.63E-04	3.18E-03	2.58E-03	5.21E-04	5.00E-04	3.89E-04	2.55E-04
4329	563110.6	4235109	3.99E-03	3.56E-03	6.78E-04	5.71E-04	3.23E-03	2.61E-03	5.28E-04	5.07E-04	3.94E-04	2.59E-04
4330	563119	4235113	4.03E-03	3.59E-03	6.83E-04	5.76E-04	3.25E-03	2.64E-03	5.33E-04	5.11E-04	3.98E-04	2.61E-04
4331	563127.5	4235118	4.04E-03	3.60E-03	6.85E-04	5.77E-04	3.26E-03	2.64E-03	5.34E-04	5.12E-04	3.99E-04	2.62E-04
4332	563135.9	4235122	4.02E-03	3.59E-03	6.82E-04	5.75E-04	3.25E-03	2.63E-03	5.32E-04	5.10E-04	3.97E-04	2.61E-04
4333	563144.4	4235127	3.98E-03	3.55E-03	6.76E-04	5.70E-04	3.22E-03	2.61E-03	5.27E-04	5.06E-04	3.93E-04	2.58E-04
4334	563152.8	4235132	3.93E-03	3.50E-03	6.66E-04	5.61E-04	3.17E-03	2.57E-03	5.19E-04	4.98E-04	3.88E-04	2.54E-04
4335	562959.5	4235047	1.60E-03	1.43E-03	2.71E-04	2.29E-04	1.29E-03	1.05E-03	2.11E-04	2.03E-04	1.58E-04	1.04E-04
4336	562953.1	4235041	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.01E-03	2.03E-04	1.95E-04	1.52E-04	9.96E-05
4337	562946.7	4235035	1.48E-03	1.32E-03	2.51E-04	2.11E-04	1.19E-03	9.67E-04	1.95E-04	1.87E-04	1.46E-04	9.57E-05
4338	562940.3	4235028	1.42E-03	1.27E-03	2.41E-04	2.03E-04	1.15E-03	9.30E-04	1.88E-04	1.80E-04	1.40E-04	9.21E-05
4339	562927.6	4235015	1.32E-03	1.18E-03	2.24E-04	1.89E-04	1.07E-03	8.64E-04	1.75E-04	1.68E-04	1.30E-04	8.56E-05
4340	562921.2	4235009	1.28E-03	1.14E-03	2.16E-04	1.82E-04	1.03E-03	8.34E-04	1.69E-04	1.62E-04	1.26E-04	8.26E-05
4341	562914.8	4235003	1.23E-03	1.10E-03	2.09E-04	1.76E-04	9.96E-04	8.07E-04	1.63E-04	1.57E-04	1.22E-04	7.99E-05
4342	562902.1	4234990	1.16E-03	1.04E-03	1.97E-04	1.66E-04	9.38E-04	7.60E-04	1.54E-04	1.47E-04	1.15E-04	7.53E-05
4343	562895.7	4234984	1.13E-03	1.01E-03	1.92E-04	1.62E-04	9.14E-04	7.41E-04	1.50E-04	1.44E-04	1.12E-04	7.34E-05
4344	562889.3	4234977	1.11E-03	9.87E-04	1.88E-04	1.58E-04	8.94E-04	7.24E-04	1.46E-04	1.40E-04	1.09E-04	7.17E-05
4345	562874.8	4234956	1.09E-03	9.70E-04	1.84E-04	1.55E-04	8.78E-04	7.11E-04	1.44E-04	1.38E-04	1.07E-04	7.05E-05
4346	562871.1	4234938	1.14E-03	1.02E-03	1.94E-04	1.63E-04	9.22E-04	7.47E-04	1.51E-04	1.45E-04	1.13E-04	7.40E-05
4347	562869.3	4234929	1.18E-03	1.05E-03	2.00E-04	1.69E-04	9.52E-04	7.72E-04	1.56E-04	1.50E-04	1.16E-04	7.64E-05
4348	562865.6	4234912	1.28E-03	1.14E-03	2.17E-04	1.83E-04	1.03E-03	8.36E-04	1.69E-04	1.62E-04	1.26E-04	8.28E-05
4349	562863.8	4234903	1.34E-03	1.20E-03	2.28E-04	1.92E-04	1.08E-03	8.77E-04	1.77E-04	1.70E-04	1.32E-04	8.69E-05
4350	562860.1	4234885	1.50E-03	1.34E-03	2.54E-04	2.14E-04	1.21E-03	9.79E-04	1.98E-04	1.90E-04	1.48E-04	9.70E-05
4351	562856.4	4234867	1.65E-03	1.48E-03	2.81E-04	2.36E-04	1.34E-03	1.08E-03	2.19E-04	2.10E-04	1.63E-04	1.07E-04

4352	562854.6	4234859	1.72E-03	1.53E-03	2.92E-04	2.46E-04	1.39E-03	1.13E-03	2.28E-04	2.18E-04	1.70E-04	1.12E-04
4353	562974.3	4235058	1.76E-03	1.57E-03	2.99E-04	2.52E-04	1.42E-03	1.15E-03	2.33E-04	2.23E-04	1.74E-04	1.14E-04
4354	562982.8	4235063	1.87E-03	1.66E-03	3.17E-04	2.67E-04	1.51E-03	1.22E-03	2.47E-04	2.37E-04	1.84E-04	1.21E-04
4355	562991.2	4235067	1.98E-03	1.76E-03	3.36E-04	2.83E-04	1.60E-03	1.29E-03	2.62E-04	2.51E-04	1.95E-04	1.28E-04
4356	562999.7	4235072	2.10E-03	1.87E-03	3.56E-04	3.00E-04	1.69E-03	1.37E-03	2.77E-04	2.66E-04	2.07E-04	1.36E-04
4357	563008.1	4235076	2.22E-03	1.98E-03	3.77E-04	3.17E-04	1.79E-03	1.45E-03	2.94E-04	2.82E-04	2.19E-04	1.44E-04
4358	563016.6	4235081	2.35E-03	2.09E-03	3.98E-04	3.36E-04	1.90E-03	1.54E-03	3.11E-04	2.98E-04	2.32E-04	1.52E-04
4359	563025	4235085	2.48E-03	2.21E-03	4.21E-04	3.55E-04	2.00E-03	1.62E-03	3.28E-04	3.15E-04	2.45E-04	1.61E-04
4360	563033.5	4235090	2.61E-03	2.33E-03	4.44E-04	3.74E-04	2.11E-03	1.71E-03	3.46E-04	3.32E-04	2.58E-04	1.69E-04
4361	563041.9	4235095	2.77E-03	2.47E-03	4.70E-04	3.96E-04	2.23E-03	1.81E-03	3.66E-04	3.51E-04	2.73E-04	1.79E-04
4362	563050.4	4235099	2.92E-03	2.60E-03	4.95E-04	4.18E-04	2.36E-03	1.91E-03	3.86E-04	3.71E-04	2.88E-04	1.89E-04
4363	563058.8	4235104	3.07E-03	2.74E-03	5.20E-04	4.39E-04	2.48E-03	2.01E-03	4.06E-04	3.89E-04	3.03E-04	1.99E-04
4364	563067.3	4235108	3.20E-03	2.85E-03	5.42E-04	4.57E-04	2.58E-03	2.09E-03	4.23E-04	4.05E-04	3.16E-04	2.07E-04
4365	563075.7	4235113	3.30E-03	2.95E-03	5.60E-04	4.72E-04	2.67E-03	2.16E-03	4.37E-04	4.19E-04	3.26E-04	2.14E-04
4366	563084.2	4235117	3.39E-03	3.03E-03	5.76E-04	4.85E-04	2.74E-03	2.22E-03	4.49E-04	4.31E-04	3.35E-04	2.20E-04
4367	563092.6	4235122	3.47E-03	3.10E-03	5.89E-04	4.96E-04	2.80E-03	2.27E-03	4.59E-04	4.40E-04	3.43E-04	2.25E-04
4368	563101.1	4235126	3.53E-03	3.15E-03	5.99E-04	5.05E-04	2.85E-03	2.31E-03	4.67E-04	4.48E-04	3.49E-04	2.29E-04
4369	563109.5	4235131	3.57E-03	3.19E-03	6.06E-04	5.11E-04	2.89E-03	2.34E-03	4.73E-04	4.53E-04	3.53E-04	2.32E-04
4370	563118	4235136	3.60E-03	3.21E-03	6.10E-04	5.14E-04	2.90E-03	2.35E-03	4.76E-04	4.56E-04	3.55E-04	2.33E-04
4371	563126.4	4235140	3.60E-03	3.21E-03	6.11E-04	5.15E-04	2.91E-03	2.36E-03	4.76E-04	4.57E-04	3.55E-04	2.33E-04
4372	563134.9	4235145	3.58E-03	3.20E-03	6.08E-04	5.12E-04	2.89E-03	2.35E-03	4.74E-04	4.55E-04	3.54E-04	2.32E-04
4373	563143.3	4235149	3.55E-03	3.17E-03	6.02E-04	5.08E-04	2.87E-03	2.32E-03	4.69E-04	4.50E-04	3.51E-04	2.30E-04
4374	562949.9	4235065	1.47E-03	1.31E-03	2.49E-04	2.10E-04	1.18E-03	9.59E-04	1.94E-04	1.86E-04	1.45E-04	9.49E-05
4375	562943.4	4235058	1.41E-03	1.26E-03	2.39E-04	2.02E-04	1.14E-03	9.23E-04	1.87E-04	1.79E-04	1.39E-04	9.14E-05
4376	562936.9	4235052	1.36E-03	1.21E-03	2.30E-04	1.94E-04	1.10E-03	8.89E-04	1.80E-04	1.72E-04	1.34E-04	8.80E-05
4377	562930.4	4235045	1.31E-03	1.17E-03	2.22E-04	1.87E-04	1.06E-03	8.56E-04	1.73E-04	1.66E-04	1.29E-04	8.48E-05
4378	562923.9	4235039	1.26E-03	1.12E-03	2.14E-04	1.80E-04	1.02E-03	8.25E-04	1.67E-04	1.60E-04	1.25E-04	8.17E-05
4379	562917.4	4235032	1.22E-03	1.09E-03	2.06E-04	1.74E-04	9.82E-04	7.96E-04	1.61E-04	1.54E-04	1.20E-04	7.88E-05
4380	562910.9	4235026	1.18E-03	1.05E-03	1.99E-04	1.68E-04	9.49E-04	7.69E-04	1.55E-04	1.49E-04	1.16E-04	7.62E-05
4381	562904.4	4235019	1.14E-03	1.01E-03	1.93E-04	1.63E-04	9.18E-04	7.44E-04	1.50E-04	1.44E-04	1.12E-04	7.37E-05
4382	562897.9	4235013	1.10E-03	9.82E-04	1.87E-04	1.57E-04	8.89E-04	7.21E-04	1.46E-04	1.40E-04	1.09E-04	7.14E-05
4383	562891.4	4235006	1.07E-03	9.53E-04	1.81E-04	1.53E-04	8.63E-04	6.99E-04	1.41E-04	1.36E-04	1.06E-04	6.93E-05
4384	562885	4235000	1.04E-03	9.28E-04	1.76E-04	1.49E-04	8.40E-04	6.80E-04	1.38E-04	1.32E-04	1.03E-04	6.74E-05
4385	562878.5	4234993	1.01E-03	9.05E-04	1.72E-04	1.45E-04	8.19E-04	6.64E-04	1.34E-04	1.29E-04	1.00E-04	6.57E-05
4386	562872	4234987	9.92E-04	8.85E-04	1.68E-04	1.42E-04	8.01E-04	6.49E-04	1.31E-04	1.26E-04	9.80E-05	6.43E-05
4387	562865.5	4234980	9.73E-04	8.68E-04	1.65E-04	1.39E-04	7.86E-04	6.37E-04	1.29E-04	1.24E-04	9.61E-05	6.31E-05
4388	562857.1	4234965	9.73E-04	8.68E-04	1.65E-04	1.39E-04	7.86E-04	6.37E-04	1.29E-04	1.23E-04	9.61E-05	6.31E-05
4389	562855.3	4234956	9.93E-04	8.86E-04	1.68E-04	1.42E-04	8.02E-04	6.50E-04	1.31E-04	1.26E-04	9.80E-05	6.43E-05
4390	562853.4	4234947	1.02E-03	9.08E-04	1.73E-04	1.46E-04	8.22E-04	6.66E-04	1.35E-04	1.29E-04	1.00E-04	6.59E-05
4391	562851.5	4234938	1.05E-03	9.35E-04	1.78E-04	1.50E-04	8.46E-04	6.86E-04	1.39E-04	1.33E-04	1.04E-04	6.79E-05
4392	562849.7	4234929	1.08E-03	9.68E-04	1.84E-04	1.55E-04	8.76E-04	7.10E-04	1.43E-04	1.38E-04	1.07E-04	7.03E-05
4393	562847.8	4234920	1.13E-03	1.01E-03	1.92E-04	1.61E-04	9.11E-04	7.39E-04	1.49E-04	1.43E-04	1.11E-04	7.32E-05
4394	562845.9	4234911	1.18E-03	1.05E-03	2.00E-04	1.69E-04	9.53E-04	7.72E-04	1.56E-04	1.50E-04	1.17E-04	7.65E-05
4395	562844.1	4234902	1.24E-03	1.11E-03	2.10E-04	1.77E-04	1.00E-03	8.12E-04	1.64E-04	1.57E-04	1.22E-04	8.04E-05
4396	562842.2	4234893	1.31E-03	1.17E-03	2.22E-04	1.87E-04	1.06E-03	8.57E-04	1.73E-04	1.66E-04	1.29E-04	8.48E-05
4397	562840.3	4234884	1.39E-03	1.24E-03	2.35E-04	1.98E-04	1.12E-03	9.08E-04	1.83E-04	1.76E-04	1.37E-04	8.99E-05
4398	562838.5	4234875	1.47E-03	1.31E-03	2.50E-04	2.11E-04	1.19E-03	9.64E-04	1.95E-04	1.87E-04	1.45E-04	9.55E-05
4399	562836.6	4234866	1.55E-03	1.39E-03	2.63E-04	2.22E-04	1.25E-03	1.02E-03	2.05E-04	1.97E-04	1.53E-04	1.01E-04
4400	562834.8	4234857	1.64E-03	1.47E-03	2.79E-04	2.35E-04	1.33E-03	1.08E-03	2.18E-04	2.09E-04	1.62E-04	1.07E-04
4401	562832.9	4234848	1.75E-03	1.56E-03	2.97E-04	2.50E-04	1.41E-03	1.14E-03	2.31E-04	2.22E-04	1.73E-04	1.13E-04
4402	562964.8	4235076	1.61E-03	1.43E-03	2.73E-04	2.30E-04	1.30E-03	1.05E-03	2.12E-04	2.04E-04	1.59E-04	1.04E-04
4403	562973.3	4235080	1.70E-03	1.51E-03	2.88E-04	2.42E-04	1.37E-03	1.11E-03	2.24E-04	2.15E-04	1.67E-04	1.10E-04
4404	562981.7	4235085	1.79E-03	1.60E-03	3.04E-04	2.56E-04	1.45E-03	1.17E-03	2.37E-04	2.27E-04	1.77E-04	1.16E-04
4405	562990.2	4235089	1.89E-03	1.69E-03	3.21E-04	2.70E-04	1.53E-03	1.24E-03	2.50E-04	2.40E-04	1.87E-04	1.22E-04
4406	562998.6	4235094	1.99E-03	1.78E-03	3.38E-04	2.85E-04	1.61E-03	1.31E-03	2.64E-04	2.53E-04	1.97E-04	1.29E-04
4407	563007.1	4235099	2.10E-03	1.88E-03	3.57E-04	3.01E-04	1.70E-03	1.38E-03	2.78E-04	2.67E-04	2.08E-04	1.36E-04
4408	563015.5	4235103	2.21E-03	1.97E-03	3.76E-04	3.17E-04	1.79E-03	1.45E-03	2.93E-04	2.81E-04	2.19E-04	1.43E-04
4409	563024	4235108	2.33E-03	2.08E-03	3.95E-04	3.33E-04	1.88E-03	1.52E-03	3.08E-04	2.95E-04	2.30E-04	1.51E-04
4410	563032.4	4235112	2.44E-03	2.18E-03	4.14E-04	3.49E-04	1.97E-03	1.60E-03	3.23E-04	3.10E-04	2.41E-04	1.58E-04
4411	563040.9	4235117	2.57E-03	2.29E-03	4.36E-04	3.67E-04	2.07E-03	1.68E-03	3.39E-04	3.26E-04	2.53E-04	1.66E-04
4412	563049.3	4235121	2.69E-03	2.40E-03	4.56E-04	3.84E-04	2.17E-03	1.76E-03	3.55E-04	3.41E-04	2.65E-04	1.74E-04
4413	563057.8	4235126	2.80E-03	2.50E-03	4.75E-04	4.00E-04	2.26E-03	1.83E-03	3.70E-04	3.55E-04	2.76E-04	1.81E-04
4414	563066.2	4235130	2.90E-03	2.58E-03	4.91E-04	4.14E-04	2.34E-03	1.89E-03	3.83E-04	3.67E-04	2.86E-04	1.88E-04
4415	563074.7	4235135	2.98E-03	2.66E-03	5.06E-04	4.27E-04	2.41E-03	1.95E-03	3.95E-04	3.79E-04	2.95E-04	1.93E-04
4416	563083.1	4235139	3.06E-03	2.73E-03	5.20E-04	4.38E-04	2.47E-03	2.01E-03	4.05E-04	3.89E-04	3.03E-04	1.99E-04
4417	563091.6	4235144	3.14E-03	2.80E-03	5.32E-04	4.49E-04	2.53E-03	2.05E-03	4.15E-04	3.98E-04	3.10E-04	2.03E-04
4418	563100	4235149	3.18E-03	2.84E-03	5.40E-04	4.55E-04	2.57E-03	2.08E-03	4.21E-04	4.04E-04	3.14E-04	2.06E-04

4419	563108.5	4235153	3.21E-03	2.87E-03	5.45E-04	4.59E-04	2.59E-03	2.10E-03	4.25E-04	4.08E-04	3.17E-04	2.08E-04
4420	563117	4235158	3.23E-03	2.88E-03	5.48E-04	4.62E-04	2.61E-03	2.11E-03	4.27E-04	4.10E-04	3.19E-04	2.09E-04
4421	563125.4	4235162	3.23E-03	2.88E-03	5.48E-04	4.62E-04	2.61E-03	2.12E-03	4.27E-04	4.10E-04	3.19E-04	2.09E-04
4422	563133.9	4235167	3.22E-03	2.87E-03	5.46E-04	4.60E-04	2.60E-03	2.10E-03	4.25E-04	4.08E-04	3.18E-04	2.08E-04
4423	562940.3	4235082	1.35E-03	1.20E-03	2.29E-04	1.93E-04	1.09E-03	8.83E-04	1.78E-04	1.71E-04	1.33E-04	8.75E-05
4424	562933.7	4235076	1.30E-03	1.16E-03	2.21E-04	1.86E-04	1.05E-03	8.51E-04	1.72E-04	1.65E-04	1.28E-04	8.43E-05
4425	562927.1	4235069	1.25E-03	1.12E-03	2.13E-04	1.79E-04	1.01E-03	8.21E-04	1.66E-04	1.59E-04	1.24E-04	8.13E-05
4426	562920.5	4235063	1.21E-03	1.08E-03	2.05E-04	1.73E-04	9.77E-04	7.92E-04	1.60E-04	1.53E-04	1.19E-04	7.84E-05
4427	562913.9	4235056	1.17E-03	1.04E-03	1.98E-04	1.67E-04	9.42E-04	7.64E-04	1.54E-04	1.48E-04	1.15E-04	7.56E-05
4428	562907.3	4235049	1.13E-03	1.01E-03	1.91E-04	1.61E-04	9.10E-04	7.37E-04	1.49E-04	1.43E-04	1.11E-04	7.30E-05
4429	562900.7	4235043	1.09E-03	9.71E-04	1.85E-04	1.56E-04	8.79E-04	7.12E-04	1.44E-04	1.38E-04	1.08E-04	7.06E-05
4430	562894.1	4235036	1.05E-03	9.40E-04	1.79E-04	1.51E-04	8.50E-04	6.89E-04	1.39E-04	1.34E-04	1.04E-04	6.83E-05
4431	562887.5	4235030	1.02E-03	9.10E-04	1.73E-04	1.46E-04	8.24E-04	6.68E-04	1.35E-04	1.29E-04	1.01E-04	6.61E-05
4432	562881	4235023	9.90E-04	8.83E-04	1.68E-04	1.42E-04	7.99E-04	6.48E-04	1.31E-04	1.26E-04	9.78E-05	6.42E-05
4433	562874.4	4235016	9.62E-04	8.58E-04	1.63E-04	1.38E-04	7.77E-04	6.30E-04	1.27E-04	1.22E-04	9.50E-05	6.24E-05
4434	562867.8	4235010	9.37E-04	8.36E-04	1.59E-04	1.34E-04	7.57E-04	6.13E-04	1.24E-04	1.19E-04	9.26E-05	6.07E-05
4435	562861.2	4235003	9.15E-04	8.16E-04	1.55E-04	1.31E-04	7.39E-04	5.99E-04	1.21E-04	1.16E-04	9.04E-05	5.93E-05
4436	562854.6	4234997	8.96E-04	7.99E-04	1.52E-04	1.28E-04	7.23E-04	5.86E-04	1.18E-04	1.14E-04	8.85E-05	5.80E-05
4437	562848	4234990	8.79E-04	7.84E-04	1.49E-04	1.26E-04	7.10E-04	5.75E-04	1.16E-04	1.12E-04	8.68E-05	5.70E-05
4438	562839.5	4234974	8.78E-04	7.83E-04	1.49E-04	1.26E-04	7.09E-04	5.74E-04	1.16E-04	1.11E-04	8.67E-05	5.69E-05
4439	562837.6	4234965	8.94E-04	7.97E-04	1.52E-04	1.28E-04	7.22E-04	5.85E-04	1.18E-04	1.13E-04	8.83E-05	5.79E-05
4440	562835.7	4234956	9.14E-04	8.15E-04	1.55E-04	1.31E-04	7.38E-04	5.98E-04	1.21E-04	1.16E-04	9.03E-05	5.92E-05
4441	562833.8	4234947	9.39E-04	8.37E-04	1.59E-04	1.34E-04	7.58E-04	6.14E-04	1.24E-04	1.19E-04	9.27E-05	6.08E-05
4442	562831.9	4234938	9.69E-04	8.64E-04	1.64E-04	1.39E-04	7.82E-04	6.34E-04	1.28E-04	1.23E-04	9.57E-05	6.28E-05
4443	562830	4234929	1.01E-03	8.97E-04	1.71E-04	1.44E-04	8.12E-04	6.58E-04	1.33E-04	1.28E-04	9.93E-05	6.51E-05
4444	562828.1	4234920	1.05E-03	9.35E-04	1.78E-04	1.50E-04	8.46E-04	6.86E-04	1.39E-04	1.33E-04	1.03E-04	6.79E-05
4445	562826.2	4234911	1.10E-03	9.79E-04	1.86E-04	1.57E-04	8.86E-04	7.18E-04	1.45E-04	1.39E-04	1.08E-04	7.11E-05
4446	562824.4	4234901	1.15E-03	1.03E-03	1.96E-04	1.65E-04	9.32E-04	7.56E-04	1.53E-04	1.47E-04	1.14E-04	7.48E-05
4447	562822.5	4234892	1.22E-03	1.09E-03	2.07E-04	1.74E-04	9.84E-04	7.98E-04	1.61E-04	1.55E-04	1.20E-04	7.90E-05
4448	562820.6	4234883	1.29E-03	1.15E-03	2.19E-04	1.85E-04	1.04E-03	8.46E-04	1.71E-04	1.64E-04	1.28E-04	8.38E-05
4449	562818.7	4234874	1.38E-03	1.23E-03	2.34E-04	1.97E-04	1.11E-03	9.01E-04	1.82E-04	1.75E-04	1.36E-04	8.92E-05
4450	562816.8	4234865	1.47E-03	1.31E-03	2.49E-04	2.10E-04	1.18E-03	9.60E-04	1.94E-04	1.86E-04	1.45E-04	9.51E-05
4451	562814.9	4234856	1.57E-03	1.40E-03	2.66E-04	2.24E-04	1.27E-03	1.03E-03	2.07E-04	1.99E-04	1.55E-04	1.02E-04
4452	562813	4234847	1.67E-03	1.49E-03	2.84E-04	2.40E-04	1.35E-03	1.10E-03	2.21E-04	2.13E-04	1.65E-04	1.09E-04
4453	562946.9	4235089	1.40E-03	1.25E-03	2.38E-04	2.00E-04	1.13E-03	9.16E-04	1.85E-04	1.78E-04	1.38E-04	9.07E-05
4454	562955.3	4235093	1.47E-03	1.31E-03	2.50E-04	2.11E-04	1.19E-03	9.64E-04	1.95E-04	1.87E-04	1.45E-04	9.54E-05
4455	562963.8	4235098	1.55E-03	1.38E-03	2.63E-04	2.22E-04	1.25E-03	1.01E-03	2.05E-04	1.97E-04	1.53E-04	1.00E-04
4456	562972.2	4235103	1.63E-03	1.45E-03	2.77E-04	2.33E-04	1.32E-03	1.07E-03	2.16E-04	2.07E-04	1.61E-04	1.06E-04
4457	562980.7	4235107	1.72E-03	1.53E-03	2.91E-04	2.45E-04	1.39E-03	1.12E-03	2.27E-04	2.18E-04	1.69E-04	1.11E-04
4458	562989.2	4235112	1.80E-03	1.61E-03	3.06E-04	2.58E-04	1.46E-03	1.18E-03	2.39E-04	2.29E-04	1.78E-04	1.17E-04
4459	562997.6	4235116	1.90E-03	1.69E-03	3.22E-04	2.71E-04	1.53E-03	1.24E-03	2.51E-04	2.41E-04	1.87E-04	1.23E-04
4460	563006.1	4235121	1.99E-03	1.78E-03	3.38E-04	2.85E-04	1.61E-03	1.30E-03	2.63E-04	2.53E-04	1.97E-04	1.29E-04
4461	563014.5	4235125	2.09E-03	1.86E-03	3.54E-04	2.98E-04	1.68E-03	1.37E-03	2.76E-04	2.65E-04	2.06E-04	1.35E-04
4462	563023	4235130	2.18E-03	1.95E-03	3.70E-04	3.12E-04	1.76E-03	1.43E-03	2.89E-04	2.77E-04	2.16E-04	1.41E-04
4463	563031.4	4235134	2.28E-03	2.03E-03	3.87E-04	3.26E-04	1.84E-03	1.49E-03	3.01E-04	2.89E-04	2.25E-04	1.48E-04
4464	563039.9	4235139	2.38E-03	2.12E-03	4.03E-04	3.40E-04	1.92E-03	1.55E-03	3.14E-04	3.01E-04	2.35E-04	1.54E-04
4465	563048.3	4235143	2.47E-03	2.20E-03	4.18E-04	3.53E-04	1.99E-03	1.61E-03	3.26E-04	3.13E-04	2.44E-04	1.60E-04
4466	563056.8	4235148	2.55E-03	2.27E-03	4.32E-04	3.65E-04	2.06E-03	1.67E-03	3.37E-04	3.23E-04	2.52E-04	1.65E-04
4467	563065.2	4235153	2.63E-03	2.35E-03	4.46E-04	3.76E-04	2.12E-03	1.72E-03	3.48E-04	3.34E-04	2.60E-04	1.70E-04
4468	563073.7	4235157	2.71E-03	2.42E-03	4.60E-04	3.87E-04	2.19E-03	1.77E-03	3.58E-04	3.44E-04	2.68E-04	1.76E-04
4469	563082.1	4235162	2.77E-03	2.47E-03	4.71E-04	3.97E-04	2.24E-03	1.81E-03	3.67E-04	3.52E-04	2.74E-04	1.80E-04
4470	563090.6	4235166	2.82E-03	2.52E-03	4.79E-04	4.04E-04	2.28E-03	1.85E-03	3.73E-04	3.58E-04	2.79E-04	1.83E-04
4471	563099	4235171	2.86E-03	2.55E-03	4.85E-04	4.09E-04	2.31E-03	1.87E-03	3.78E-04	3.63E-04	2.83E-04	1.85E-04
4472	563107.5	4235175	2.89E-03	2.58E-03	4.91E-04	4.14E-04	2.33E-03	1.89E-03	3.82E-04	3.67E-04	2.86E-04	1.87E-04
4473	563115.9	4235180	2.91E-03	2.60E-03	4.94E-04	4.17E-04	2.35E-03	1.91E-03	3.85E-04	3.70E-04	2.88E-04	1.89E-04
4474	563124.4	4235184	2.92E-03	2.61E-03	4.96E-04	4.18E-04	2.36E-03	1.91E-03	3.86E-04	3.71E-04	2.89E-04	1.89E-04
4475	562930.7	4235100	1.25E-03	1.11E-03	2.12E-04	1.79E-04	1.01E-03	8.17E-04	1.65E-04	1.58E-04	1.23E-04	8.09E-05
4476	562924	4235093	1.21E-03	1.08E-03	2.05E-04	1.72E-04	9.73E-04	7.89E-04	1.59E-04	1.53E-04	1.19E-04	7.81E-05
4477	562917.4	4235086	1.16E-03	1.04E-03	1.97E-04	1.66E-04	9.40E-04	7.62E-04	1.54E-04	1.48E-04	1.15E-04	7.54E-05
4478	562910.7	4235080	1.12E-03	1.00E-03	1.91E-04	1.61E-04	9.07E-04	7.35E-04	1.49E-04	1.43E-04	1.11E-04	7.28E-05
4479	562904	4235073	1.08E-03	9.68E-04	1.84E-04	1.55E-04	8.76E-04	7.10E-04	1.43E-04	1.38E-04	1.07E-04	7.03E-05
4480	562897.3	4235066	1.05E-03	9.35E-04	1.78E-04	1.50E-04	8.46E-04	6.86E-04	1.39E-04	1.33E-04	1.04E-04	6.79E-05
4481	562890.6	4235060	1.01E-03	9.04E-04	1.72E-04	1.45E-04	8.18E-04	6.63E-04	1.34E-04	1.29E-04	1.00E-04	6.57E-05
4482	562883.9	4235053	9.81E-04	8.75E-04	1.66E-04	1.40E-04	7.92E-04	6.42E-04	1.30E-04	1.24E-04	9.69E-05	6.36E-05
4483	562877.3	4235046	9.50E-04	8.48E-04	1.61E-04	1.36E-04	7.67E-04	6.22E-04	1.26E-04	1.21E-04	9.38E-05	6.16E-05
4484	562870.6	4235040	9.22E-04	8.22E-04	1.56E-04	1.32E-04	7.44E-04	6.03E-04	1.22E-04	1.17E-04	9.10E-05	5.97E-05
4485	562863.9	4235033	8.96E-04	7.99E-04	1.52E-04	1.28E-04	7.23E-04	5.86E-04	1.18E-04	1.14E-04	8.85E-05	5.81E-05

4486	562857.2	4235026	8.72E-04	7.78E-04	1.48E-04	1.25E-04	7.04E-04	5.71E-04	1.15E-04	1.11E-04	8.61E-05	5.65E-05
4487	562850.5	4235020	8.50E-04	7.58E-04	1.44E-04	1.22E-04	6.86E-04	5.56E-04	1.12E-04	1.08E-04	8.40E-05	5.51E-05
4488	562843.8	4235013	8.31E-04	7.41E-04	1.41E-04	1.19E-04	6.71E-04	5.44E-04	1.10E-04	1.05E-04	8.20E-05	5.38E-05
4489	562837.2	4235006	8.14E-04	7.26E-04	1.38E-04	1.16E-04	6.57E-04	5.33E-04	1.08E-04	1.03E-04	8.04E-05	5.27E-05
4490	562830.5	4235000	7.99E-04	7.13E-04	1.36E-04	1.14E-04	6.45E-04	5.23E-04	1.06E-04	1.01E-04	7.89E-05	5.18E-05
4491	562821.9	4234984	7.96E-04	7.10E-04	1.35E-04	1.14E-04	6.43E-04	5.21E-04	1.05E-04	1.01E-04	7.87E-05	5.16E-05
4492	562820	4234975	8.08E-04	7.21E-04	1.37E-04	1.16E-04	6.52E-04	5.29E-04	1.07E-04	1.03E-04	7.98E-05	5.24E-05
4493	562818	4234965	8.22E-04	7.33E-04	1.39E-04	1.18E-04	6.64E-04	5.38E-04	1.09E-04	1.04E-04	8.12E-05	5.33E-05
4494	562816.1	4234956	8.41E-04	7.50E-04	1.43E-04	1.20E-04	6.79E-04	5.50E-04	1.11E-04	1.07E-04	8.31E-05	5.45E-05
4495	562814.2	4234947	8.64E-04	7.71E-04	1.47E-04	1.24E-04	6.98E-04	5.66E-04	1.14E-04	1.10E-04	8.54E-05	5.60E-05
4496	562812.3	4234938	8.92E-04	7.96E-04	1.51E-04	1.28E-04	7.21E-04	5.84E-04	1.18E-04	1.13E-04	8.81E-05	5.78E-05
4497	562810.4	4234928	9.26E-04	8.26E-04	1.57E-04	1.32E-04	7.47E-04	6.06E-04	1.22E-04	1.17E-04	9.14E-05	6.00E-05
4498	562808.4	4234919	9.65E-04	8.60E-04	1.64E-04	1.38E-04	7.79E-04	6.31E-04	1.28E-04	1.22E-04	9.53E-05	6.25E-05
4499	562806.5	4234910	1.01E-03	9.01E-04	1.71E-04	1.44E-04	8.15E-04	6.61E-04	1.34E-04	1.28E-04	9.97E-05	6.54E-05
4500	562804.6	4234901	1.06E-03	9.50E-04	1.81E-04	1.52E-04	8.60E-04	6.97E-04	1.41E-04	1.35E-04	1.05E-04	6.90E-05
4501	562802.7	4234891	1.13E-03	1.01E-03	1.92E-04	1.62E-04	9.14E-04	7.40E-04	1.50E-04	1.44E-04	1.12E-04	7.33E-05
4502	562800.8	4234882	1.21E-03	1.08E-03	2.05E-04	1.73E-04	9.75E-04	7.90E-04	1.60E-04	1.53E-04	1.19E-04	7.82E-05
4503	562798.9	4234873	1.29E-03	1.15E-03	2.19E-04	1.85E-04	1.04E-03	8.44E-04	1.71E-04	1.64E-04	1.27E-04	8.36E-05
4504	562796.9	4234864	1.38E-03	1.23E-03	2.33E-04	1.97E-04	1.11E-03	9.00E-04	1.82E-04	1.75E-04	1.36E-04	8.92E-05
4505	562795	4234854	1.47E-03	1.31E-03	2.49E-04	2.10E-04	1.19E-03	9.61E-04	1.94E-04	1.86E-04	1.45E-04	9.52E-05
4506	562793.1	4234845	1.57E-03	1.40E-03	2.66E-04	2.24E-04	1.27E-03	1.03E-03	2.07E-04	1.99E-04	1.55E-04	1.02E-04
4507	562937.4	4235106	1.29E-03	1.15E-03	2.19E-04	1.85E-04	1.04E-03	8.46E-04	1.71E-04	1.64E-04	1.28E-04	8.38E-05
4508	562945.9	4235111	1.36E-03	1.21E-03	2.30E-04	1.94E-04	1.10E-03	8.88E-04	1.79E-04	1.72E-04	1.34E-04	8.80E-05
4509	562954.3	4235116	1.42E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.32E-04	1.88E-04	1.81E-04	1.41E-04	9.23E-05
4510	562962.8	4235120	1.49E-03	1.33E-03	2.54E-04	2.14E-04	1.21E-03	9.78E-04	1.98E-04	1.90E-04	1.48E-04	9.68E-05
4511	562971.2	4235125	1.57E-03	1.40E-03	2.66E-04	2.24E-04	1.27E-03	1.03E-03	2.07E-04	1.99E-04	1.55E-04	1.02E-04
4512	562979.7	4235129	1.64E-03	1.47E-03	2.79E-04	2.35E-04	1.33E-03	1.08E-03	2.17E-04	2.08E-04	1.62E-04	1.06E-04
4513	562988.1	4235134	1.72E-03	1.54E-03	2.92E-04	2.46E-04	1.39E-03	1.13E-03	2.28E-04	2.18E-04	1.70E-04	1.12E-04
4514	562996.6	4235138	1.80E-03	1.61E-03	3.06E-04	2.58E-04	1.45E-03	1.18E-03	2.38E-04	2.29E-04	1.78E-04	1.17E-04
4515	563005	4235143	1.88E-03	1.68E-03	3.20E-04	2.69E-04	1.52E-03	1.23E-03	2.49E-04	2.39E-04	1.86E-04	1.22E-04
4516	563013.5	4235147	1.97E-03	1.75E-03	3.34E-04	2.81E-04	1.59E-03	1.29E-03	2.60E-04	2.50E-04	1.94E-04	1.27E-04
4517	563021.9	4235152	2.05E-03	1.83E-03	3.48E-04	2.93E-04	1.66E-03	1.34E-03	2.71E-04	2.60E-04	2.02E-04	1.33E-04
4518	563030.4	4235157	2.13E-03	1.90E-03	3.62E-04	3.05E-04	1.72E-03	1.39E-03	2.82E-04	2.70E-04	2.11E-04	1.38E-04
4519	563038.8	4235161	2.21E-03	1.97E-03	3.75E-04	3.16E-04	1.79E-03	1.45E-03	2.92E-04	2.81E-04	2.18E-04	1.43E-04
4520	563047.3	4235166	2.29E-03	2.04E-03	3.88E-04	3.27E-04	1.85E-03	1.50E-03	3.02E-04	2.90E-04	2.26E-04	1.48E-04
4521	563055.7	4235170	2.36E-03	2.10E-03	4.00E-04	3.37E-04	1.90E-03	1.54E-03	3.12E-04	2.99E-04	2.33E-04	1.53E-04
4522	563064.2	4235175	2.42E-03	2.16E-03	4.11E-04	3.46E-04	1.96E-03	1.59E-03	3.20E-04	3.07E-04	2.39E-04	1.57E-04
4523	563072.6	4235179	2.48E-03	2.21E-03	4.21E-04	3.55E-04	2.00E-03	1.62E-03	3.28E-04	3.15E-04	2.45E-04	1.61E-04
4524	563081.1	4235184	2.53E-03	2.26E-03	4.29E-04	3.62E-04	2.04E-03	1.65E-03	3.34E-04	3.21E-04	2.50E-04	1.64E-04
4525	563089.5	4235188	2.57E-03	2.29E-03	4.36E-04	3.67E-04	2.07E-03	1.68E-03	3.40E-04	3.26E-04	2.54E-04	1.66E-04
4526	563098	4235193	2.60E-03	2.32E-03	4.42E-04	3.72E-04	2.10E-03	1.70E-03	3.44E-04	3.30E-04	2.57E-04	1.69E-04
4527	563106.4	4235197	2.63E-03	2.35E-03	4.47E-04	3.76E-04	2.13E-03	1.72E-03	3.48E-04	3.34E-04	2.60E-04	1.71E-04
4528	563114.9	4235202	2.65E-03	2.36E-03	4.50E-04	3.79E-04	2.14E-03	1.73E-03	3.50E-04	3.36E-04	2.62E-04	1.72E-04
4529	562921.2	4235117	1.16E-03	1.03E-03	1.97E-04	1.66E-04	9.37E-04	7.59E-04	1.53E-04	1.47E-04	1.15E-04	7.52E-05
4530	562914.4	4235111	1.12E-03	1.00E-03	1.90E-04	1.60E-04	9.05E-04	7.34E-04	1.48E-04	1.42E-04	1.11E-04	7.27E-05
4531	562907.6	4235104	1.08E-03	9.67E-04	1.84E-04	1.55E-04	8.75E-04	7.09E-04	1.43E-04	1.37E-04	1.07E-04	7.02E-05
4532	562900.9	4235097	1.05E-03	9.34E-04	1.78E-04	1.50E-04	8.45E-04	6.85E-04	1.38E-04	1.33E-04	1.03E-04	6.79E-05
4533	562894.1	4235090	1.01E-03	9.03E-04	1.72E-04	1.45E-04	8.17E-04	6.62E-04	1.34E-04	1.28E-04	9.99E-05	6.56E-05
4534	562887.4	4235084	9.79E-04	8.73E-04	1.66E-04	1.40E-04	7.90E-04	6.40E-04	1.29E-04	1.24E-04	9.66E-05	6.34E-05
4535	562880.6	4235077	9.47E-04	8.45E-04	1.61E-04	1.35E-04	7.65E-04	6.20E-04	1.25E-04	1.20E-04	9.35E-05	6.14E-05
4536	562873.8	4235070	9.17E-04	8.18E-04	1.56E-04	1.31E-04	7.40E-04	6.00E-04	1.21E-04	1.16E-04	9.05E-05	5.94E-05
4537	562867.1	4235063	8.89E-04	7.93E-04	1.51E-04	1.27E-04	7.17E-04	5.82E-04	1.18E-04	1.13E-04	8.78E-05	5.76E-05
4538	562860.3	4235057	8.62E-04	7.69E-04	1.46E-04	1.23E-04	6.96E-04	5.64E-04	1.14E-04	1.09E-04	8.52E-05	5.59E-05
4539	562853.5	4235050	8.38E-04	7.47E-04	1.42E-04	1.20E-04	6.76E-04	5.48E-04	1.11E-04	1.06E-04	8.27E-05	5.43E-05
4540	562846.8	4235043	8.15E-04	7.27E-04	1.38E-04	1.17E-04	6.58E-04	5.33E-04	1.08E-04	1.03E-04	8.05E-05	5.28E-05
4541	562840	4235036	7.94E-04	7.09E-04	1.35E-04	1.14E-04	6.41E-04	5.20E-04	1.05E-04	1.01E-04	7.85E-05	5.15E-05
4542	562833.3	4235030	7.76E-04	6.92E-04	1.32E-04	1.11E-04	6.26E-04	5.08E-04	1.03E-04	9.84E-05	7.66E-05	5.03E-05
4543	562826.5	4235023	7.59E-04	6.77E-04	1.29E-04	1.08E-04	6.12E-04	4.96E-04	1.00E-04	9.62E-05	7.49E-05	4.92E-05
4544	562819.7	4235016	7.44E-04	6.63E-04	1.26E-04	1.06E-04	6.00E-04	4.87E-04	9.83E-05	9.43E-05	7.34E-05	4.82E-05
4545	562813	4235009	7.30E-04	6.52E-04	1.24E-04	1.04E-04	5.90E-04	4.78E-04	9.66E-05	9.27E-05	7.21E-05	4.73E-05
4546	562804.3	4234993	7.26E-04	6.48E-04	1.23E-04	1.04E-04	5.86E-04	4.75E-04	9.60E-05	9.22E-05	7.17E-05	4.71E-05
4547	562802.3	4234984	7.33E-04	6.54E-04	1.24E-04	1.05E-04	5.91E-04	4.79E-04	9.69E-05	9.30E-05	7.23E-05	4.75E-05
4548	562800.4	4234974	7.41E-04	6.61E-04	1.26E-04	1.06E-04	5.98E-04	4.85E-04	9.79E-05	9.40E-05	7.31E-05	4.80E-05
4549	562798.4	4234965	7.52E-04	6.71E-04	1.28E-04	1.08E-04	6.07E-04	4.92E-04	9.94E-05	9.54E-05	7.42E-05	4.87E-05
4550	562796.5	4234956	7.71E-04	6.87E-04	1.31E-04	1.10E-04	6.22E-04	5.04E-04	1.02E-04	9.78E-05	7.61E-05	4.99E-05
4551	562794.5	4234946	7.94E-04	7.08E-04	1.35E-04	1.13E-04	6.41E-04	5.19E-04	1.05E-04	1.01E-04	7.84E-05	5.14E-05
4552	562792.6	4234937	8.22E-04	7.33E-04	1.39E-04	1.17E-04	6.63E-04	5.38E-04	1.09E-04	1.04E-04	8.11E-05	5.32E-05

4553	562790.7	4234928	8.55E-04	7.63E-04	1.45E-04	1.22E-04	6.90E-04	5.60E-04	1.13E-04	1.09E-04	8.45E-05	5.54E-05
4554	562788.7	4234918	8.94E-04	7.97E-04	1.52E-04	1.28E-04	7.22E-04	5.85E-04	1.18E-04	1.13E-04	8.83E-05	5.79E-05
4555	562786.8	4234909	9.38E-04	8.37E-04	1.59E-04	1.34E-04	7.58E-04	6.14E-04	1.24E-04	1.19E-04	9.27E-05	6.08E-05
4556	562784.8	4234900	9.94E-04	8.86E-04	1.69E-04	1.42E-04	8.02E-04	6.50E-04	1.31E-04	1.26E-04	9.81E-05	6.44E-05
4557	562782.9	4234890	1.06E-03	9.42E-04	1.79E-04	1.51E-04	8.53E-04	6.91E-04	1.40E-04	1.34E-04	1.04E-04	6.84E-05
4558	562781	4234881	1.13E-03	1.00E-03	1.91E-04	1.61E-04	9.09E-04	7.37E-04	1.49E-04	1.43E-04	1.11E-04	7.30E-05
4559	562779	4234872	1.20E-03	1.07E-03	2.03E-04	1.71E-04	9.68E-04	7.84E-04	1.59E-04	1.52E-04	1.18E-04	7.77E-05
4560	562777.1	4234862	1.28E-03	1.14E-03	2.17E-04	1.83E-04	1.03E-03	8.35E-04	1.69E-04	1.62E-04	1.26E-04	8.27E-05
4561	562775.1	4234853	1.36E-03	1.21E-03	2.31E-04	1.94E-04	1.10E-03	8.90E-04	1.80E-04	1.73E-04	1.34E-04	8.81E-05
4562	562773.2	4234843	1.45E-03	1.29E-03	2.46E-04	2.07E-04	1.17E-03	9.48E-04	1.92E-04	1.84E-04	1.43E-04	9.39E-05
4563	562927.9	4235124	1.20E-03	1.07E-03	2.04E-04	1.72E-04	9.69E-04	7.85E-04	1.59E-04	1.52E-04	1.19E-04	7.78E-05
4564	562936.4	4235129	1.26E-03	1.12E-03	2.13E-04	1.80E-04	1.01E-03	8.22E-04	1.66E-04	1.59E-04	1.24E-04	8.14E-05
4565	562944.8	4235133	1.31E-03	1.17E-03	2.23E-04	1.88E-04	1.06E-03	8.60E-04	1.74E-04	1.67E-04	1.30E-04	8.52E-05
4566	562953.3	4235138	1.38E-03	1.23E-03	2.33E-04	1.97E-04	1.11E-03	9.00E-04	1.82E-04	1.75E-04	1.36E-04	8.91E-05
4567	562961.7	4235142	1.44E-03	1.28E-03	2.44E-04	2.06E-04	1.16E-03	9.41E-04	1.90E-04	1.83E-04	1.42E-04	9.32E-05
4568	562970.2	4235147	1.50E-03	1.34E-03	2.55E-04	2.15E-04	1.21E-03	9.84E-04	1.99E-04	1.91E-04	1.49E-04	9.75E-05
4569	562978.6	4235151	1.57E-03	1.40E-03	2.67E-04	2.25E-04	1.27E-03	1.03E-03	2.08E-04	1.99E-04	1.55E-04	1.02E-04
4570	562987.1	4235156	1.64E-03	1.46E-03	2.78E-04	2.35E-04	1.33E-03	1.07E-03	2.17E-04	2.08E-04	1.62E-04	1.06E-04
4571	562995.5	4235160	1.71E-03	1.53E-03	2.90E-04	2.45E-04	1.38E-03	1.12E-03	2.26E-04	2.17E-04	1.69E-04	1.11E-04
4572	563004	4235165	1.78E-03	1.59E-03	3.03E-04	2.55E-04	1.44E-03	1.17E-03	2.36E-04	2.26E-04	1.76E-04	1.16E-04
4573	563012.4	4235170	1.86E-03	1.66E-03	3.15E-04	2.65E-04	1.50E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
4574	563020.9	4235174	1.93E-03	1.72E-03	3.27E-04	2.76E-04	1.56E-03	1.26E-03	2.55E-04	2.44E-04	1.90E-04	1.25E-04
4575	563029.4	4235179	2.00E-03	1.78E-03	3.39E-04	2.86E-04	1.61E-03	1.31E-03	2.64E-04	2.53E-04	1.97E-04	1.29E-04
4576	563037.8	4235183	2.06E-03	1.84E-03	3.50E-04	2.95E-04	1.67E-03	1.35E-03	2.73E-04	2.62E-04	2.04E-04	1.34E-04
4577	563046.3	4235188	2.13E-03	1.90E-03	3.61E-04	3.04E-04	1.72E-03	1.39E-03	2.81E-04	2.70E-04	2.10E-04	1.38E-04
4578	563054.7	4235192	2.19E-03	1.95E-03	3.71E-04	3.13E-04	1.77E-03	1.43E-03	2.89E-04	2.77E-04	2.16E-04	1.42E-04
4579	563063.2	4235197	2.24E-03	2.00E-03	3.80E-04	3.20E-04	1.81E-03	1.47E-03	2.96E-04	2.84E-04	2.21E-04	1.45E-04
4580	563071.6	4235201	2.29E-03	2.04E-03	3.88E-04	3.27E-04	1.85E-03	1.50E-03	3.02E-04	2.90E-04	2.26E-04	1.48E-04
4581	563080.1	4235206	2.33E-03	2.08E-03	3.95E-04	3.33E-04	1.88E-03	1.52E-03	3.08E-04	2.95E-04	2.30E-04	1.51E-04
4582	563088.5	4235211	2.36E-03	2.10E-03	4.00E-04	3.37E-04	1.90E-03	1.54E-03	3.12E-04	2.99E-04	2.33E-04	1.53E-04
4583	563097	4235215	2.38E-03	2.13E-03	4.05E-04	3.41E-04	1.92E-03	1.56E-03	3.15E-04	3.03E-04	2.35E-04	1.55E-04
4584	563105.4	4235220	2.40E-03	2.14E-03	4.08E-04	3.44E-04	1.94E-03	1.57E-03	3.18E-04	3.05E-04	2.37E-04	1.56E-04
4585	562902.4	4235153	1.01E-03	9.04E-04	1.72E-04	1.45E-04	8.18E-04	6.63E-04	1.34E-04	1.29E-04	1.00E-04	6.57E-05
4586	562895.8	4235146	9.83E-04	8.77E-04	1.67E-04	1.41E-04	7.94E-04	6.43E-04	1.30E-04	1.25E-04	9.71E-05	6.37E-05
4587	562889.3	4235140	9.53E-04	8.50E-04	1.62E-04	1.36E-04	7.70E-04	6.24E-04	1.26E-04	1.21E-04	9.41E-05	6.18E-05
4588	562882.7	4235133	9.24E-04	8.25E-04	1.57E-04	1.32E-04	7.46E-04	6.05E-04	1.22E-04	1.17E-04	9.13E-05	5.99E-05
4589	562876.1	4235126	8.96E-04	8.00E-04	1.52E-04	1.28E-04	7.24E-04	5.87E-04	1.19E-04	1.14E-04	8.85E-05	5.81E-05
4590	562869.6	4235120	8.69E-04	7.75E-04	1.47E-04	1.24E-04	7.02E-04	5.69E-04	1.15E-04	1.10E-04	8.58E-05	5.63E-05
4591	562863	4235113	8.43E-04	7.52E-04	1.43E-04	1.21E-04	6.81E-04	5.52E-04	1.12E-04	1.07E-04	8.33E-05	5.47E-05
4592	562856.4	4235107	8.19E-04	7.30E-04	1.39E-04	1.17E-04	6.61E-04	5.36E-04	1.08E-04	1.04E-04	8.08E-05	5.31E-05
4593	562849.8	4235100	7.95E-04	7.09E-04	1.35E-04	1.14E-04	6.42E-04	5.20E-04	1.05E-04	1.01E-04	7.85E-05	5.15E-05
4594	562843.3	4235094	7.73E-04	6.89E-04	1.31E-04	1.11E-04	6.24E-04	5.06E-04	1.02E-04	9.81E-05	7.63E-05	5.01E-05
4595	562836.7	4235087	7.52E-04	6.71E-04	1.28E-04	1.08E-04	6.07E-04	4.92E-04	9.94E-05	9.54E-05	7.42E-05	4.87E-05
4596	562830.1	4235081	7.32E-04	6.53E-04	1.24E-04	1.05E-04	5.91E-04	4.79E-04	9.68E-05	9.29E-05	7.23E-05	4.74E-05
4597	562823.6	4235074	7.14E-04	6.37E-04	1.21E-04	1.02E-04	5.76E-04	4.67E-04	9.44E-05	9.06E-05	7.05E-05	4.63E-05
4598	562817	4235067	6.97E-04	6.21E-04	1.18E-04	9.96E-05	5.62E-04	4.56E-04	9.21E-05	8.84E-05	6.88E-05	4.51E-05
4599	562810.4	4235061	6.81E-04	6.07E-04	1.15E-04	9.73E-05	5.50E-04	4.45E-04	9.00E-05	8.64E-05	6.72E-05	4.41E-05
4600	562803.9	4235054	6.66E-04	5.94E-04	1.13E-04	9.52E-05	5.38E-04	4.36E-04	8.81E-05	8.45E-05	6.58E-05	4.32E-05
4601	562797.3	4235048	6.52E-04	5.82E-04	1.11E-04	9.33E-05	5.27E-04	4.27E-04	8.63E-05	8.28E-05	6.44E-05	4.23E-05
4602	562790.7	4235041	6.38E-04	5.69E-04	1.08E-04	9.13E-05	5.15E-04	4.18E-04	8.44E-05	8.10E-05	6.30E-05	4.14E-05
4603	562784.1	4235035	6.24E-04	5.56E-04	1.06E-04	8.92E-05	5.03E-04	4.08E-04	8.25E-05	7.91E-05	6.16E-05	4.04E-05
4604	562777.6	4235028	6.10E-04	5.44E-04	1.04E-04	8.73E-05	4.93E-04	3.99E-04	8.07E-05	7.74E-05	6.03E-05	3.95E-05
4605	562769.1	4235012	6.03E-04	5.38E-04	1.02E-04	8.62E-05	4.87E-04	3.94E-04	7.97E-05	7.65E-05	5.95E-05	3.91E-05
4606	562767.2	4235003	6.08E-04	5.43E-04	1.03E-04	8.70E-05	4.91E-04	3.98E-04	8.05E-05	7.72E-05	6.01E-05	3.94E-05
4607	562765.3	4234994	6.16E-04	5.49E-04	1.05E-04	8.81E-05	4.97E-04	4.03E-04	8.15E-05	7.82E-05	6.08E-05	3.99E-05
4608	562763.5	4234985	6.26E-04	5.58E-04	1.06E-04	8.95E-05	5.05E-04	4.09E-04	8.27E-05	7.94E-05	6.18E-05	4.06E-05
4609	562761.6	4234976	6.39E-04	5.70E-04	1.08E-04	9.13E-05	5.16E-04	4.18E-04	8.44E-05	8.10E-05	6.31E-05	4.14E-05
4610	562759.7	4234967	6.54E-04	5.83E-04	1.11E-04	9.35E-05	5.28E-04	4.28E-04	8.65E-05	8.30E-05	6.46E-05	4.24E-05
4611	562757.8	4234958	6.72E-04	6.00E-04	1.14E-04	9.62E-05	5.43E-04	4.40E-04	8.89E-05	8.53E-05	6.64E-05	4.36E-05
4612	562755.9	4234949	6.94E-04	6.19E-04	1.18E-04	9.92E-05	5.60E-04	4.54E-04	9.17E-05	8.80E-05	6.85E-05	4.50E-05
4613	562754	4234940	7.19E-04	6.41E-04	1.22E-04	1.03E-04	5.80E-04	4.70E-04	9.50E-05	9.12E-05	7.10E-05	4.66E-05
4614	562752.1	4234931	7.47E-04	6.66E-04	1.27E-04	1.07E-04	6.03E-04	4.89E-04	9.88E-05	9.48E-05	7.38E-05	4.84E-05
4615	562750.3	4234922	7.80E-04	6.95E-04	1.32E-04	1.11E-04	6.29E-04	5.10E-04	1.03E-04	9.89E-05	7.70E-05	5.05E-05
4616	562748.4	4234912	8.16E-04	7.28E-04	1.39E-04	1.17E-04	6.59E-04	5.34E-04	1.08E-04	1.04E-04	8.06E-05	5.29E-05
4617	562746.5	4234903	8.58E-04	7.65E-04	1.46E-04	1.23E-04	6.93E-04	5.61E-04	1.13E-04	1.09E-04	8.47E-05	5.56E-05
4618	562744.6	4234894	9.04E-04	8.06E-04	1.53E-04	1.29E-04	7.30E-04	5.92E-04	1.20E-04	1.15E-04	8.93E-05	5.86E-05
4619	562742.7	4234885	9.55E-04	8.52E-04	1.62E-04	1.37E-04	7.71E-04	6.25E-04	1.26E-04	1.21E-04	9.44E-05	6.19E-05

4620	562740.8	4234876	1.01E-03	9.03E-04	1.72E-04	1.45E-04	8.17E-04	6.62E-04	1.34E-04	1.28E-04	1.00E-04	6.56E-05
4621	562738.9	4234867	1.07E-03	9.58E-04	1.82E-04	1.54E-04	8.68E-04	7.03E-04	1.42E-04	1.36E-04	1.06E-04	6.96E-05
4622	562737.1	4234858	1.14E-03	1.02E-03	1.94E-04	1.63E-04	9.22E-04	7.47E-04	1.51E-04	1.45E-04	1.13E-04	7.40E-05
4623	562735.2	4234849	1.21E-03	1.08E-03	2.06E-04	1.74E-04	9.80E-04	7.94E-04	1.61E-04	1.54E-04	1.20E-04	7.87E-05
4624	562733.3	4234840	1.29E-03	1.15E-03	2.19E-04	1.85E-04	1.04E-03	8.45E-04	1.71E-04	1.64E-04	1.27E-04	8.37E-05
4625	562909	4235159	1.04E-03	9.31E-04	1.77E-04	1.49E-04	8.43E-04	6.83E-04	1.38E-04	1.32E-04	1.03E-04	6.76E-05
4626	562917.4	4235164	1.09E-03	9.70E-04	1.85E-04	1.56E-04	8.78E-04	7.12E-04	1.44E-04	1.38E-04	1.07E-04	7.05E-05
4627	562925.9	4235168	1.13E-03	1.01E-03	1.92E-04	1.62E-04	9.15E-04	7.42E-04	1.50E-04	1.44E-04	1.12E-04	7.34E-05
4628	562934.3	4235173	1.18E-03	1.05E-03	2.00E-04	1.69E-04	9.53E-04	7.72E-04	1.56E-04	1.50E-04	1.17E-04	7.65E-05
4629	562942.8	4235177	1.23E-03	1.10E-03	2.08E-04	1.76E-04	9.92E-04	8.04E-04	1.62E-04	1.56E-04	1.21E-04	7.96E-05
4630	562951.2	4235182	1.28E-03	1.14E-03	2.17E-04	1.83E-04	1.03E-03	8.37E-04	1.69E-04	1.62E-04	1.26E-04	8.29E-05
4631	562959.7	4235187	1.33E-03	1.19E-03	2.26E-04	1.90E-04	1.07E-03	8.70E-04	1.76E-04	1.69E-04	1.31E-04	8.62E-05
4632	562968.1	4235191	1.38E-03	1.23E-03	2.35E-04	1.98E-04	1.12E-03	9.04E-04	1.83E-04	1.75E-04	1.37E-04	8.96E-05
4633	562976.6	4235196	1.44E-03	1.28E-03	2.44E-04	2.05E-04	1.16E-03	9.39E-04	1.90E-04	1.82E-04	1.42E-04	9.30E-05
4634	562985	4235200	1.49E-03	1.33E-03	2.53E-04	2.13E-04	1.20E-03	9.75E-04	1.97E-04	1.89E-04	1.47E-04	9.66E-05
4635	562993.5	4235205	1.54E-03	1.38E-03	2.62E-04	2.21E-04	1.25E-03	1.01E-03	2.04E-04	1.96E-04	1.53E-04	1.00E-04
4636	563001.9	4235209	1.60E-03	1.43E-03	2.71E-04	2.29E-04	1.29E-03	1.05E-03	2.12E-04	2.03E-04	1.58E-04	1.04E-04
4637	563010.4	4235214	1.65E-03	1.48E-03	2.81E-04	2.37E-04	1.34E-03	1.08E-03	2.19E-04	2.10E-04	1.63E-04	1.07E-04
4638	563018.8	4235218	1.71E-03	1.52E-03	2.90E-04	2.44E-04	1.38E-03	1.12E-03	2.26E-04	2.17E-04	1.69E-04	1.11E-04
4639	563027.3	4235223	1.76E-03	1.57E-03	2.99E-04	2.52E-04	1.42E-03	1.15E-03	2.33E-04	2.23E-04	1.74E-04	1.14E-04
4640	563035.7	4235228	1.81E-03	1.61E-03	3.07E-04	2.59E-04	1.46E-03	1.18E-03	2.39E-04	2.29E-04	1.79E-04	1.17E-04
4641	563044.2	4235232	1.85E-03	1.65E-03	3.15E-04	2.65E-04	1.50E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
4642	563052.6	4235237	1.90E-03	1.69E-03	3.22E-04	2.71E-04	1.53E-03	1.24E-03	2.51E-04	2.41E-04	1.87E-04	1.23E-04
4643	563061.1	4235241	1.93E-03	1.73E-03	3.28E-04	2.77E-04	1.56E-03	1.27E-03	2.56E-04	2.45E-04	1.91E-04	1.25E-04
4644	563069.6	4235246	1.97E-03	1.75E-03	3.34E-04	2.81E-04	1.59E-03	1.29E-03	2.60E-04	2.49E-04	1.94E-04	1.27E-04
4645	563078	4235250	1.99E-03	1.78E-03	3.38E-04	2.85E-04	1.61E-03	1.30E-03	2.63E-04	2.53E-04	1.97E-04	1.29E-04
4646	563086.5	4235255	2.01E-03	1.80E-03	3.41E-04	2.88E-04	1.62E-03	1.32E-03	2.66E-04	2.55E-04	1.99E-04	1.30E-04
4647	562883.3	4235188	8.93E-04	7.97E-04	1.52E-04	1.28E-04	7.21E-04	5.85E-04	1.18E-04	1.13E-04	8.82E-05	5.79E-05
4648	562876.6	4235181	8.68E-04	7.75E-04	1.47E-04	1.24E-04	7.01E-04	5.68E-04	1.15E-04	1.10E-04	8.58E-05	5.63E-05
4649	562869.9	4235174	8.44E-04	7.53E-04	1.43E-04	1.21E-04	6.81E-04	5.52E-04	1.12E-04	1.07E-04	8.33E-05	5.47E-05
4650	562863.2	4235168	8.19E-04	7.31E-04	1.39E-04	1.17E-04	6.61E-04	5.36E-04	1.08E-04	1.04E-04	8.09E-05	5.31E-05
4651	562856.5	4235161	7.95E-04	7.10E-04	1.35E-04	1.14E-04	6.42E-04	5.21E-04	1.05E-04	1.01E-04	7.86E-05	5.16E-05
4652	562849.8	4235154	7.72E-04	6.89E-04	1.31E-04	1.10E-04	6.24E-04	5.05E-04	1.02E-04	9.80E-05	7.63E-05	5.01E-05
4653	562843.1	4235148	7.50E-04	6.69E-04	1.27E-04	1.07E-04	6.06E-04	4.91E-04	9.92E-05	9.52E-05	7.41E-05	4.86E-05
4654	562836.4	4235141	7.29E-04	6.50E-04	1.24E-04	1.04E-04	5.89E-04	4.77E-04	9.64E-05	9.25E-05	7.20E-05	4.72E-05
4655	562829.7	4235134	7.09E-04	6.32E-04	1.20E-04	1.01E-04	5.72E-04	4.64E-04	9.37E-05	8.99E-05	7.00E-05	4.59E-05
4656	562823	4235128	6.89E-04	6.15E-04	1.17E-04	9.86E-05	5.57E-04	4.51E-04	9.11E-05	8.75E-05	6.81E-05	4.47E-05
4657	562816.3	4235121	6.70E-04	5.98E-04	1.14E-04	9.59E-05	5.41E-04	4.39E-04	8.87E-05	8.51E-05	6.62E-05	4.35E-05
4658	562809.6	4235114	6.54E-04	5.83E-04	1.11E-04	9.35E-05	5.28E-04	4.28E-04	8.65E-05	8.30E-05	6.46E-05	4.24E-05
4659	562802.9	4235107	6.38E-04	5.69E-04	1.08E-04	9.12E-05	5.15E-04	4.17E-04	8.44E-05	8.09E-05	6.30E-05	4.13E-05
4660	562796.2	4235101	6.23E-04	5.55E-04	1.06E-04	8.91E-05	5.03E-04	4.07E-04	8.23E-05	7.90E-05	6.15E-05	4.04E-05
4661	562789.5	4235094	6.06E-04	5.41E-04	1.03E-04	8.67E-05	4.90E-04	3.97E-04	8.02E-05	7.69E-05	5.99E-05	3.93E-05
4662	562782.7	4235087	5.90E-04	5.26E-04	1.00E-04	8.43E-05	4.76E-04	3.86E-04	7.80E-05	7.48E-05	5.82E-05	3.82E-05
4663	562776	4235081	5.74E-04	5.12E-04	9.74E-05	8.21E-05	4.64E-04	3.76E-04	7.59E-05	7.28E-05	5.67E-05	3.72E-05
4664	562769.3	4235074	5.60E-04	4.99E-04	9.49E-05	8.00E-05	4.52E-04	3.66E-04	7.40E-05	7.10E-05	5.53E-05	3.63E-05
4665	562762.6	4235067	5.47E-04	4.88E-04	9.27E-05	7.82E-05	4.41E-04	3.58E-04	7.23E-05	6.93E-05	5.40E-05	3.54E-05
4666	562755.9	4235061	5.37E-04	4.79E-04	9.11E-05	7.68E-05	4.34E-04	3.51E-04	7.10E-05	6.81E-05	5.30E-05	3.48E-05
4667	562749.2	4235054	5.28E-04	4.71E-04	8.96E-05	7.56E-05	4.27E-04	3.46E-04	6.99E-05	6.70E-05	5.22E-05	3.42E-05
4668	562742.5	4235047	5.20E-04	4.64E-04	8.83E-05	7.44E-05	4.20E-04	3.41E-04	6.88E-05	6.60E-05	5.14E-05	3.37E-05
4669	562733.9	4235031	5.17E-04	4.61E-04	8.77E-05	7.39E-05	4.17E-04	3.38E-04	6.84E-05	6.56E-05	5.11E-05	3.35E-05
4670	562732	4235022	5.22E-04	4.65E-04	8.85E-05	7.46E-05	4.21E-04	3.41E-04	6.90E-05	6.62E-05	5.15E-05	3.38E-05
4671	562730	4235013	5.28E-04	4.71E-04	8.95E-05	7.55E-05	4.26E-04	3.45E-04	6.98E-05	6.70E-05	5.21E-05	3.42E-05
4672	562728.1	4235003	5.35E-04	4.77E-04	9.08E-05	7.65E-05	4.32E-04	3.50E-04	7.08E-05	6.79E-05	5.29E-05	3.47E-05
4673	562726.2	4234994	5.44E-04	4.86E-04	9.24E-05	7.78E-05	4.39E-04	3.56E-04	7.20E-05	6.91E-05	5.38E-05	3.53E-05
4674	562724.3	4234985	5.55E-04	4.95E-04	9.42E-05	7.94E-05	4.48E-04	3.63E-04	7.34E-05	7.05E-05	5.48E-05	3.60E-05
4675	562722.3	4234976	5.69E-04	5.07E-04	9.65E-05	8.13E-05	4.59E-04	3.72E-04	7.52E-05	7.22E-05	5.62E-05	3.69E-05
4676	562720.4	4234966	5.84E-04	5.21E-04	9.91E-05	8.35E-05	4.72E-04	3.82E-04	7.73E-05	7.41E-05	5.77E-05	3.79E-05
4677	562718.5	4234957	6.02E-04	5.37E-04	1.02E-04	8.61E-05	4.86E-04	3.94E-04	7.97E-05	7.64E-05	5.95E-05	3.90E-05
4678	562716.6	4234948	6.23E-04	5.56E-04	1.06E-04	8.91E-05	5.03E-04	4.08E-04	8.24E-05	7.91E-05	6.16E-05	4.04E-05
4679	562714.6	4234939	6.47E-04	5.77E-04	1.10E-04	9.26E-05	5.23E-04	4.24E-04	8.56E-05	8.21E-05	6.39E-05	4.19E-05
4680	562712.7	4234929	6.74E-04	6.02E-04	1.14E-04	9.64E-05	5.45E-04	4.41E-04	8.92E-05	8.56E-05	6.66E-05	4.37E-05
4681	562710.8	4234920	7.05E-04	6.29E-04	1.20E-04	1.01E-04	5.69E-04	4.61E-04	9.32E-05	8.95E-05	6.96E-05	4.57E-05
4682	562708.9	4234911	7.40E-04	6.60E-04	1.25E-04	1.06E-04	5.97E-04	4.84E-04	9.78E-05	9.38E-05	7.30E-05	4.79E-05
4683	562706.9	4234901	7.78E-04	6.94E-04	1.32E-04	1.11E-04	6.28E-04	5.09E-04	1.03E-04	9.87E-05	7.68E-05	5.04E-05
4684	562705	4234892	8.21E-04	7.32E-04	1.39E-04	1.17E-04	6.63E-04	5.37E-04	1.09E-04	1.04E-04	8.10E-05	5.32E-05
4685	562703.1	4234883	8.68E-04	7.74E-04	1.47E-04	1.24E-04	7.01E-04	5.68E-04	1.15E-04	1.10E-04	8.57E-05	5.62E-05
4686	562701.2	4234874	9.19E-04	8.20E-04	1.56E-04	1.31E-04	7.42E-04	6.02E-04	1.22E-04	1.17E-04	9.08E-05	5.96E-05

4687	562699.2	4234864	9.75E-04	8.70E-04	1.65E-04	1.39E-04	7.87E-04	6.38E-04	1.29E-04	1.24E-04	9.63E-05	6.32E-05
4688	562697.3	4234855	1.04E-03	9.24E-04	1.76E-04	1.48E-04	8.36E-04	6.78E-04	1.37E-04	1.31E-04	1.02E-04	6.71E-05
4689	562695.4	4234846	1.10E-03	9.82E-04	1.87E-04	1.57E-04	8.89E-04	7.20E-04	1.46E-04	1.40E-04	1.09E-04	7.13E-05
4690	562693.5	4234836	1.17E-03	1.04E-03	1.98E-04	1.67E-04	9.43E-04	7.65E-04	1.55E-04	1.48E-04	1.15E-04	7.57E-05
4691	562890	4235195	9.19E-04	8.20E-04	1.56E-04	1.31E-04	7.42E-04	6.01E-04	1.21E-04	1.17E-04	9.07E-05	5.95E-05
4692	562898.5	4235199	9.54E-04	8.51E-04	1.62E-04	1.36E-04	7.70E-04	6.24E-04	1.26E-04	1.21E-04	9.42E-05	6.18E-05
4693	562906.9	4235204	9.90E-04	8.83E-04	1.68E-04	1.42E-04	8.00E-04	6.48E-04	1.31E-04	1.26E-04	9.78E-05	6.42E-05
4694	562915.4	4235208	1.03E-03	9.16E-04	1.74E-04	1.47E-04	8.29E-04	6.72E-04	1.36E-04	1.30E-04	1.01E-04	6.66E-05
4695	562923.8	4235213	1.07E-03	9.50E-04	1.81E-04	1.52E-04	8.60E-04	6.97E-04	1.41E-04	1.35E-04	1.05E-04	6.90E-05
4696	562932.3	4235217	1.10E-03	9.85E-04	1.87E-04	1.58E-04	8.92E-04	7.23E-04	1.46E-04	1.40E-04	1.09E-04	7.16E-05
4697	562940.7	4235222	1.14E-03	1.02E-03	1.94E-04	1.64E-04	9.24E-04	7.49E-04	1.51E-04	1.45E-04	1.13E-04	7.41E-05
4698	562949.2	4235226	1.18E-03	1.06E-03	2.01E-04	1.69E-04	9.56E-04	7.75E-04	1.57E-04	1.50E-04	1.17E-04	7.68E-05
4699	562957.6	4235231	1.23E-03	1.09E-03	2.08E-04	1.75E-04	9.90E-04	8.02E-04	1.62E-04	1.56E-04	1.21E-04	7.94E-05
4700	562966.1	4235235	1.27E-03	1.13E-03	2.15E-04	1.81E-04	1.02E-03	8.30E-04	1.68E-04	1.61E-04	1.25E-04	8.22E-05
4701	562974.5	4235240	1.31E-03	1.17E-03	2.22E-04	1.87E-04	1.06E-03	8.57E-04	1.73E-04	1.66E-04	1.29E-04	8.49E-05
4702	562983	4235245	1.35E-03	1.21E-03	2.30E-04	1.94E-04	1.09E-03	8.85E-04	1.79E-04	1.72E-04	1.34E-04	8.77E-05
4703	562991.4	4235249	1.40E-03	1.25E-03	2.37E-04	2.00E-04	1.13E-03	9.14E-04	1.85E-04	1.77E-04	1.38E-04	9.05E-05
4704	562999.9	4235254	1.44E-03	1.28E-03	2.44E-04	2.06E-04	1.16E-03	9.41E-04	1.90E-04	1.83E-04	1.42E-04	9.32E-05
4705	563008.3	4235258	1.48E-03	1.32E-03	2.51E-04	2.12E-04	1.20E-03	9.69E-04	1.96E-04	1.88E-04	1.46E-04	9.60E-05
4706	563016.8	4235263	1.52E-03	1.36E-03	2.58E-04	2.18E-04	1.23E-03	9.95E-04	2.01E-04	1.93E-04	1.50E-04	9.86E-05
4707	563025.2	4235267	1.56E-03	1.39E-03	2.65E-04	2.23E-04	1.26E-03	1.02E-03	2.06E-04	1.98E-04	1.54E-04	1.01E-04
4708	563033.7	4235272	1.60E-03	1.42E-03	2.71E-04	2.28E-04	1.29E-03	1.04E-03	2.11E-04	2.03E-04	1.58E-04	1.03E-04
4709	563042.1	4235276	1.63E-03	1.45E-03	2.77E-04	2.33E-04	1.32E-03	1.07E-03	2.16E-04	2.07E-04	1.61E-04	1.06E-04
4710	563050.6	4235281	1.66E-03	1.48E-03	2.82E-04	2.38E-04	1.34E-03	1.09E-03	2.20E-04	2.11E-04	1.64E-04	1.08E-04
4711	563059	4235286	1.69E-03	1.51E-03	2.86E-04	2.41E-04	1.36E-03	1.10E-03	2.23E-04	2.14E-04	1.67E-04	1.09E-04
4712	563067.5	4235290	1.71E-03	1.53E-03	2.90E-04	2.44E-04	1.38E-03	1.12E-03	2.26E-04	2.17E-04	1.69E-04	1.11E-04
4713	562864.5	4235223	7.97E-04	7.11E-04	1.35E-04	1.14E-04	6.43E-04	5.21E-04	1.05E-04	1.01E-04	7.87E-05	5.16E-05
4714	562857.9	4235217	7.76E-04	6.92E-04	1.32E-04	1.11E-04	6.27E-04	5.08E-04	1.03E-04	9.85E-05	7.67E-05	5.03E-05
4715	562851.4	4235210	7.55E-04	6.73E-04	1.28E-04	1.08E-04	6.09E-04	4.94E-04	9.98E-05	9.57E-05	7.45E-05	4.89E-05
4716	562844.8	4235204	7.31E-04	6.52E-04	1.24E-04	1.05E-04	5.90E-04	4.78E-04	9.67E-05	9.27E-05	7.22E-05	4.74E-05
4717	562838.3	4235197	7.10E-04	6.33E-04	1.20E-04	1.02E-04	5.73E-04	4.64E-04	9.39E-05	9.01E-05	7.01E-05	4.60E-05
4718	562831.7	4235190	6.91E-04	6.16E-04	1.17E-04	9.88E-05	5.58E-04	4.52E-04	9.14E-05	8.77E-05	6.82E-05	4.48E-05
4719	562825.2	4235184	6.74E-04	6.02E-04	1.14E-04	9.65E-05	5.45E-04	4.41E-04	8.92E-05	8.56E-05	6.66E-05	4.37E-05
4720	562818.6	4235177	6.57E-04	5.86E-04	1.12E-04	9.40E-05	5.31E-04	4.30E-04	8.69E-05	8.34E-05	6.49E-05	4.26E-05
4721	562812.1	4235171	6.37E-04	5.68E-04	1.08E-04	9.11E-05	5.14E-04	4.17E-04	8.42E-05	8.08E-05	6.29E-05	4.13E-05
4722	562805.5	4235164	6.17E-04	5.51E-04	1.05E-04	8.83E-05	4.98E-04	4.04E-04	8.16E-05	7.83E-05	6.09E-05	4.00E-05
4723	562798.9	4235158	5.98E-04	5.34E-04	1.02E-04	8.56E-05	4.83E-04	3.92E-04	7.91E-05	7.59E-05	5.91E-05	3.88E-05
4724	562792.4	4235151	5.81E-04	5.19E-04	9.86E-05	8.31E-05	4.69E-04	3.80E-04	7.69E-05	7.38E-05	5.74E-05	3.77E-05
4725	562785.8	4235145	5.68E-04	5.07E-04	9.64E-05	8.13E-05	4.59E-04	3.72E-04	7.51E-05	7.21E-05	5.61E-05	3.68E-05
4726	562779.3	4235138	5.57E-04	4.97E-04	9.45E-05	7.96E-05	4.50E-04	3.64E-04	7.36E-05	7.07E-05	5.50E-05	3.61E-05
4727	562772.7	4235132	5.45E-04	4.86E-04	9.24E-05	7.79E-05	4.40E-04	3.57E-04	7.20E-05	6.91E-05	5.38E-05	3.53E-05
4728	562766.2	4235125	5.32E-04	4.75E-04	9.03E-05	7.61E-05	4.30E-04	3.48E-04	7.04E-05	6.75E-05	5.26E-05	3.45E-05
4729	562759.6	4235118	5.21E-04	4.64E-04	8.83E-05	7.45E-05	4.20E-04	3.41E-04	6.88E-05	6.61E-05	5.14E-05	3.37E-05
4730	562753.1	4235112	5.11E-04	4.55E-04	8.66E-05	7.30E-05	4.12E-04	3.34E-04	6.75E-05	6.48E-05	5.04E-05	3.31E-05
4731	562746.5	4235105	5.01E-04	4.47E-04	8.50E-05	7.16E-05	4.05E-04	3.28E-04	6.63E-05	6.36E-05	4.95E-05	3.25E-05
4732	562740	4235099	4.92E-04	4.39E-04	8.35E-05	7.04E-05	3.97E-04	3.22E-04	6.51E-05	6.24E-05	4.86E-05	3.19E-05
4733	562733.4	4235092	4.84E-04	4.31E-04	8.21E-05	6.92E-05	3.90E-04	3.16E-04	6.39E-05	6.14E-05	4.78E-05	3.13E-05
4734	562726.8	4235086	4.76E-04	4.24E-04	8.07E-05	6.80E-05	3.84E-04	3.11E-04	6.29E-05	6.04E-05	4.70E-05	3.08E-05
4735	562720.3	4235079	4.68E-04	4.18E-04	7.95E-05	6.70E-05	3.78E-04	3.06E-04	6.19E-05	5.94E-05	4.62E-05	3.03E-05
4736	562713.7	4235073	4.61E-04	4.12E-04	7.83E-05	6.60E-05	3.73E-04	3.02E-04	6.10E-05	5.85E-05	4.56E-05	2.99E-05
4737	562707.2	4235066	4.55E-04	4.06E-04	7.72E-05	6.51E-05	3.67E-04	2.98E-04	6.02E-05	5.77E-05	4.49E-05	2.95E-05
4738	562698.7	4235050	4.52E-04	4.03E-04	7.66E-05	6.46E-05	3.65E-04	2.95E-04	5.97E-05	5.73E-05	4.46E-05	2.93E-05
4739	562696.9	4235041	4.55E-04	4.06E-04	7.71E-05	6.50E-05	3.67E-04	2.98E-04	6.01E-05	5.77E-05	4.49E-05	2.95E-05
4740	562695	4235032	4.59E-04	4.09E-04	7.78E-05	6.56E-05	3.70E-04	3.00E-04	6.06E-05	5.82E-05	4.53E-05	2.97E-05
4741	562693.1	4235023	4.64E-04	4.14E-04	7.87E-05	6.63E-05	3.74E-04	3.03E-04	6.13E-05	5.88E-05	4.58E-05	3.00E-05
4742	562691.2	4235014	4.70E-04	4.19E-04	7.97E-05	6.72E-05	3.79E-04	3.07E-04	6.21E-05	5.96E-05	4.64E-05	3.04E-05
4743	562689.3	4235005	4.77E-04	4.26E-04	8.09E-05	6.82E-05	3.85E-04	3.12E-04	6.31E-05	6.05E-05	4.71E-05	3.09E-05
4744	562687.5	4234996	4.86E-04	4.33E-04	8.24E-05	6.95E-05	3.92E-04	3.18E-04	6.43E-05	6.17E-05	4.80E-05	3.15E-05
4745	562685.6	4234987	4.96E-04	4.43E-04	8.42E-05	7.10E-05	4.01E-04	3.25E-04	6.56E-05	6.30E-05	4.90E-05	3.22E-05
4746	562683.7	4234978	5.09E-04	4.54E-04	8.63E-05	7.27E-05	4.11E-04	3.33E-04	6.73E-05	6.45E-05	5.02E-05	3.30E-05
4747	562681.8	4234969	5.23E-04	4.66E-04	8.87E-05	7.48E-05	4.22E-04	3.42E-04	6.91E-05	6.63E-05	5.16E-05	3.39E-05
4748	562679.9	4234960	5.39E-04	4.81E-04	9.15E-05	7.71E-05	4.35E-04	3.53E-04	7.13E-05	6.84E-05	5.32E-05	3.49E-05
4749	562678	4234951	5.58E-04	4.97E-04	9.46E-05	7.98E-05	4.50E-04	3.65E-04	7.38E-05	7.08E-05	5.51E-05	3.61E-05
4750	562676.2	4234942	5.79E-04	5.16E-04	9.82E-05	8.27E-05	4.67E-04	3.79E-04	7.65E-05	7.34E-05	5.71E-05	3.75E-05
4751	562674.3	4234933	6.02E-04	5.37E-04	1.02E-04	8.61E-05	4.86E-04	3.94E-04	7.96E-05	7.64E-05	5.95E-05	3.90E-05
4752	562672.4	4234924	6.28E-04	5.61E-04	1.07E-04	8.99E-05	5.07E-04	4.11E-04	8.31E-05	7.97E-05	6.21E-05	4.07E-05
4753	562670.5	4234914	6.58E-04	5.87E-04	1.12E-04	9.40E-05	5.31E-04	4.30E-04	8.70E-05	8.34E-05	6.49E-05	4.26E-05

4754	562668.6	4234905	6.90E-04	6.15E-04	1.17E-04	9.86E-05	5.57E-04	4.51E-04	9.12E-05	8.75E-05	6.81E-05	4.47E-05
4755	562666.7	4234896	7.25E-04	6.47E-04	1.23E-04	1.04E-04	5.86E-04	4.75E-04	9.59E-05	9.20E-05	7.16E-05	4.70E-05
4756	562664.9	4234887	7.64E-04	6.82E-04	1.30E-04	1.09E-04	6.17E-04	5.00E-04	1.01E-04	9.70E-05	7.55E-05	4.95E-05
4757	562663	4234878	8.07E-04	7.20E-04	1.37E-04	1.15E-04	6.51E-04	5.28E-04	1.07E-04	1.02E-04	7.97E-05	5.23E-05
4758	562661.1	4234869	8.53E-04	7.61E-04	1.45E-04	1.22E-04	6.88E-04	5.58E-04	1.13E-04	1.08E-04	8.42E-05	5.53E-05
4759	562659.2	4234860	9.02E-04	8.05E-04	1.53E-04	1.29E-04	7.28E-04	5.90E-04	1.19E-04	1.14E-04	8.91E-05	5.85E-05
4760	562657.3	4234851	9.55E-04	8.52E-04	1.62E-04	1.37E-04	7.71E-04	6.25E-04	1.26E-04	1.21E-04	9.43E-05	6.19E-05
4761	562655.5	4234842	1.01E-03	9.02E-04	1.72E-04	1.45E-04	8.16E-04	6.62E-04	1.34E-04	1.28E-04	9.98E-05	6.55E-05
4762	562653.6	4234833	1.07E-03	9.54E-04	1.81E-04	1.53E-04	8.64E-04	7.00E-04	1.41E-04	1.36E-04	1.06E-04	6.93E-05
4763	562871.1	4235230	8.17E-04	7.29E-04	1.39E-04	1.17E-04	6.60E-04	5.35E-04	1.08E-04	1.04E-04	8.07E-05	5.29E-05
4764	562879.5	4235234	8.46E-04	7.54E-04	1.43E-04	1.21E-04	6.83E-04	5.53E-04	1.12E-04	1.07E-04	8.35E-05	5.48E-05
4765	562888	4235239	8.75E-04	7.81E-04	1.48E-04	1.25E-04	7.07E-04	5.73E-04	1.16E-04	1.11E-04	8.64E-05	5.67E-05
4766	562896.4	4235243	9.05E-04	8.07E-04	1.54E-04	1.29E-04	7.31E-04	5.92E-04	1.20E-04	1.15E-04	8.94E-05	5.86E-05
4767	562904.9	4235248	9.35E-04	8.34E-04	1.59E-04	1.34E-04	7.55E-04	6.12E-04	1.24E-04	1.19E-04	9.24E-05	6.06E-05
4768	562913.3	4235252	9.66E-04	8.62E-04	1.64E-04	1.38E-04	7.80E-04	6.32E-04	1.28E-04	1.23E-04	9.54E-05	6.26E-05
4769	562921.8	4235257	9.98E-04	8.90E-04	1.69E-04	1.43E-04	8.05E-04	6.53E-04	1.32E-04	1.27E-04	9.85E-05	6.47E-05
4770	562930.2	4235262	1.03E-03	9.18E-04	1.75E-04	1.47E-04	8.31E-04	6.74E-04	1.36E-04	1.31E-04	1.02E-04	6.67E-05
4771	562938.7	4235266	1.06E-03	9.47E-04	1.80E-04	1.52E-04	8.57E-04	6.95E-04	1.40E-04	1.35E-04	1.05E-04	6.88E-05
4772	562947.1	4235271	1.10E-03	9.77E-04	1.86E-04	1.57E-04	8.84E-04	7.17E-04	1.45E-04	1.39E-04	1.08E-04	7.10E-05
4773	562955.6	4235275	1.13E-03	1.01E-03	1.91E-04	1.61E-04	9.11E-04	7.38E-04	1.49E-04	1.43E-04	1.11E-04	7.31E-05
4774	562964	4235280	1.16E-03	1.04E-03	1.97E-04	1.66E-04	9.39E-04	7.61E-04	1.54E-04	1.48E-04	1.15E-04	7.53E-05
4775	562972.5	4235284	1.20E-03	1.07E-03	2.03E-04	1.71E-04	9.66E-04	7.83E-04	1.58E-04	1.52E-04	1.18E-04	7.75E-05
4776	562980.9	4235289	1.23E-03	1.10E-03	2.09E-04	1.76E-04	9.94E-04	8.05E-04	1.63E-04	1.56E-04	1.22E-04	7.98E-05
4777	562989.4	4235293	1.26E-03	1.13E-03	2.15E-04	1.81E-04	1.02E-03	8.28E-04	1.67E-04	1.60E-04	1.25E-04	8.20E-05
4778	562997.8	4235298	1.30E-03	1.16E-03	2.20E-04	1.86E-04	1.05E-03	8.50E-04	1.72E-04	1.65E-04	1.28E-04	8.41E-05
4779	563006.3	4235303	1.33E-03	1.19E-03	2.26E-04	1.90E-04	1.07E-03	8.71E-04	1.76E-04	1.69E-04	1.31E-04	8.63E-05
4780	563014.7	4235307	1.36E-03	1.22E-03	2.31E-04	1.95E-04	1.10E-03	8.92E-04	1.80E-04	1.73E-04	1.35E-04	8.83E-05
4781	563023.2	4235312	1.39E-03	1.24E-03	2.36E-04	1.99E-04	1.12E-03	9.11E-04	1.84E-04	1.77E-04	1.37E-04	9.02E-05
4782	563031.6	4235316	1.42E-03	1.27E-03	2.41E-04	2.03E-04	1.15E-03	9.29E-04	1.88E-04	1.80E-04	1.40E-04	9.20E-05
4783	563040.1	4235321	1.44E-03	1.29E-03	2.45E-04	2.07E-04	1.17E-03	9.46E-04	1.91E-04	1.83E-04	1.43E-04	9.36E-05
4784	563048.5	4235325	1.47E-03	1.31E-03	2.49E-04	2.10E-04	1.18E-03	9.60E-04	1.94E-04	1.86E-04	1.45E-04	9.51E-05
4785	562845.4	4235258	7.01E-04	6.25E-04	1.19E-04	1.00E-04	5.66E-04	4.59E-04	9.27E-05	8.90E-05	6.92E-05	4.54E-05
4786	562838.8	4235252	6.85E-04	6.11E-04	1.16E-04	9.80E-05	5.53E-04	4.48E-04	9.06E-05	8.69E-05	6.76E-05	4.44E-05
4787	562832.1	4235245	6.67E-04	5.95E-04	1.13E-04	9.54E-05	5.39E-04	4.37E-04	8.82E-05	8.47E-05	6.59E-05	4.32E-05
4788	562825.4	4235238	6.48E-04	5.78E-04	1.10E-04	9.27E-05	5.23E-04	4.24E-04	8.57E-05	8.22E-05	6.40E-05	4.20E-05
4789	562818.8	4235232	6.31E-04	5.62E-04	1.07E-04	9.02E-05	5.09E-04	4.13E-04	8.34E-05	8.00E-05	6.23E-05	4.09E-05
4790	562812.1	4235225	6.14E-04	5.48E-04	1.04E-04	8.78E-05	4.96E-04	4.02E-04	8.12E-05	7.79E-05	6.07E-05	3.98E-05
4791	562805.4	4235218	5.98E-04	5.34E-04	1.02E-04	8.56E-05	4.83E-04	3.92E-04	7.91E-05	7.59E-05	5.91E-05	3.88E-05
4792	562798.8	4235212	5.83E-04	5.20E-04	9.89E-05	8.34E-05	4.71E-04	3.82E-04	7.71E-05	7.40E-05	5.76E-05	3.78E-05
4793	562792.1	4235205	5.68E-04	5.07E-04	9.64E-05	8.13E-05	4.59E-04	3.72E-04	7.51E-05	7.21E-05	5.61E-05	3.68E-05
4794	562785.4	4235198	5.54E-04	4.94E-04	9.40E-05	7.92E-05	4.47E-04	3.63E-04	7.33E-05	7.03E-05	5.47E-05	3.59E-05
4795	562778.8	4235192	5.41E-04	4.82E-04	9.17E-05	7.73E-05	4.37E-04	3.54E-04	7.15E-05	6.86E-05	5.34E-05	3.50E-05
4796	562772.1	4235185	5.28E-04	4.71E-04	8.96E-05	7.55E-05	4.26E-04	3.45E-04	6.98E-05	6.70E-05	5.21E-05	3.42E-05
4797	562765.4	4235178	5.16E-04	4.60E-04	8.75E-05	7.38E-05	4.16E-04	3.38E-04	6.82E-05	6.54E-05	5.09E-05	3.34E-05
4798	562758.8	4235172	5.04E-04	4.50E-04	8.56E-05	7.21E-05	4.07E-04	3.30E-04	6.67E-05	6.40E-05	4.98E-05	3.27E-05
4799	562752.1	4235165	4.94E-04	4.40E-04	8.38E-05	7.06E-05	3.99E-04	3.23E-04	6.53E-05	6.26E-05	4.87E-05	3.20E-05
4800	562745.4	4235158	4.83E-04	4.31E-04	8.20E-05	6.91E-05	3.90E-04	3.16E-04	6.39E-05	6.13E-05	4.77E-05	3.13E-05
4801	562738.8	4235152	4.74E-04	4.23E-04	8.04E-05	6.78E-05	3.83E-04	3.10E-04	6.27E-05	6.01E-05	4.68E-05	3.07E-05
4802	562732.1	4235145	4.65E-04	4.15E-04	7.89E-05	6.65E-05	3.75E-04	3.04E-04	6.15E-05	5.90E-05	4.59E-05	3.01E-05
4803	562725.4	4235138	4.56E-04	4.07E-04	7.74E-05	6.53E-05	3.69E-04	2.99E-04	6.04E-05	5.79E-05	4.51E-05	2.96E-05
4804	562718.8	4235132	4.48E-04	4.00E-04	7.61E-05	6.41E-05	3.62E-04	2.93E-04	5.93E-05	5.69E-05	4.43E-05	2.91E-05
4805	562712.1	4235125	4.41E-04	3.93E-04	7.48E-05	6.30E-05	3.56E-04	2.88E-04	5.83E-05	5.59E-05	4.35E-05	2.86E-05
4806	562705.4	4235119	4.33E-04	3.87E-04	7.36E-05	6.20E-05	3.50E-04	2.84E-04	5.73E-05	5.50E-05	4.28E-05	2.81E-05
4807	562698.8	4235112	4.27E-04	3.81E-04	7.24E-05	6.10E-05	3.44E-04	2.79E-04	5.64E-05	5.41E-05	4.21E-05	2.76E-05
4808	562692.1	4235105	4.20E-04	3.75E-04	7.13E-05	6.01E-05	3.39E-04	2.75E-04	5.55E-05	5.33E-05	4.15E-05	2.72E-05
4809	562685.4	4235099	4.14E-04	3.69E-04	7.02E-05	5.92E-05	3.34E-04	2.71E-04	5.47E-05	5.25E-05	4.09E-05	2.68E-05
4810	562678.8	4235092	4.08E-04	3.64E-04	6.92E-05	5.83E-05	3.29E-04	2.67E-04	5.39E-05	5.18E-05	4.03E-05	2.64E-05
4811	562672.1	4235085	4.02E-04	3.59E-04	6.83E-05	5.76E-05	3.25E-04	2.63E-04	5.32E-05	5.11E-05	3.97E-05	2.61E-05
4812	562663.5	4235069	3.99E-04	3.56E-04	6.77E-05	5.71E-05	3.22E-04	2.61E-04	5.28E-05	5.06E-05	3.94E-05	2.59E-05
4813	562661.6	4235060	4.01E-04	3.58E-04	6.81E-05	5.74E-05	3.24E-04	2.62E-04	5.30E-05	5.09E-05	3.96E-05	2.60E-05
4814	562659.7	4235051	4.04E-04	3.60E-04	6.85E-05	5.78E-05	3.26E-04	2.64E-04	5.34E-05	5.13E-05	3.99E-05	2.62E-05
4815	562657.8	4235042	4.07E-04	3.63E-04	6.91E-05	5.83E-05	3.29E-04	2.67E-04	5.39E-05	5.17E-05	4.02E-05	2.64E-05
4816	562655.9	4235032	4.12E-04	3.67E-04	6.99E-05	5.89E-05	3.33E-04	2.69E-04	5.45E-05	5.23E-05	4.07E-05	2.67E-05
4817	562653.9	4235023	4.17E-04	3.72E-04	7.08E-05	5.97E-05	3.37E-04	2.73E-04	5.52E-05	5.29E-05	4.12E-05	2.70E-05
4818	562652	4235014	4.24E-04	3.78E-04	7.19E-05	6.06E-05	3.42E-04	2.77E-04	5.60E-05	5.38E-05	4.18E-05	2.75E-05
4819	562650.1	4235005	4.32E-04	3.85E-04	7.32E-05	6.17E-05	3.48E-04	2.82E-04	5.71E-05	5.48E-05	4.26E-05	2.80E-05
4820	562648.2	4234996	4.41E-04	3.93E-04	7.48E-05	6.30E-05	3.56E-04	2.88E-04	5.83E-05	5.59E-05	4.35E-05	2.86E-05

4821	562646.3	4234986	4.51E-04	4.03E-04	7.66E-05	6.46E-05	3.65E-04	2.95E-04	5.97E-05	5.73E-05	4.46E-05	2.93E-05
4822	562644.4	4234977	4.64E-04	4.14E-04	7.87E-05	6.63E-05	3.75E-04	3.04E-04	6.13E-05	5.89E-05	4.58E-05	3.01E-05
4823	562642.5	4234968	4.78E-04	4.26E-04	8.11E-05	6.84E-05	3.86E-04	3.13E-04	6.32E-05	6.07E-05	4.72E-05	3.10E-05
4824	562640.6	4234959	4.94E-04	4.41E-04	8.38E-05	7.07E-05	3.99E-04	3.23E-04	6.53E-05	6.27E-05	4.88E-05	3.20E-05
4825	562638.6	4234949	5.12E-04	4.57E-04	8.69E-05	7.32E-05	4.14E-04	3.35E-04	6.77E-05	6.50E-05	5.06E-05	3.32E-05
4826	562636.7	4234940	5.32E-04	4.75E-04	9.03E-05	7.61E-05	4.30E-04	3.48E-04	7.04E-05	6.76E-05	5.26E-05	3.45E-05
4827	562634.8	4234931	5.55E-04	4.95E-04	9.42E-05	7.94E-05	4.48E-04	3.63E-04	7.34E-05	7.04E-05	5.48E-05	3.60E-05
4828	562632.9	4234922	5.80E-04	5.17E-04	9.84E-05	8.29E-05	4.68E-04	3.79E-04	7.67E-05	7.36E-05	5.73E-05	3.76E-05
4829	562631	4234913	6.07E-04	5.42E-04	1.03E-04	8.69E-05	4.90E-04	3.97E-04	8.03E-05	7.71E-05	6.00E-05	3.94E-05
4830	562629.1	4234903	6.38E-04	5.69E-04	1.08E-04	9.12E-05	5.15E-04	4.17E-04	8.43E-05	8.09E-05	6.30E-05	4.13E-05
4831	562627.2	4234894	6.71E-04	5.98E-04	1.14E-04	9.59E-05	5.41E-04	4.39E-04	8.87E-05	8.51E-05	6.62E-05	4.35E-05
4832	562625.2	4234885	7.07E-04	6.30E-04	1.20E-04	1.01E-04	5.71E-04	4.62E-04	9.34E-05	8.97E-05	6.98E-05	4.58E-05
4833	562623.3	4234876	7.46E-04	6.65E-04	1.27E-04	1.07E-04	6.02E-04	4.88E-04	9.86E-05	9.46E-05	7.36E-05	4.83E-05
4834	562621.4	4234866	7.88E-04	7.03E-04	1.34E-04	1.13E-04	6.36E-04	5.15E-04	1.04E-04	9.99E-05	7.78E-05	5.10E-05
4835	562619.5	4234857	8.33E-04	7.43E-04	1.41E-04	1.19E-04	6.72E-04	5.45E-04	1.10E-04	1.06E-04	8.22E-05	5.40E-05
4836	562617.6	4234848	8.80E-04	7.85E-04	1.49E-04	1.26E-04	7.11E-04	5.76E-04	1.16E-04	1.12E-04	8.70E-05	5.71E-05
4837	562615.7	4234839	9.31E-04	8.30E-04	1.58E-04	1.33E-04	7.52E-04	6.09E-04	1.23E-04	1.18E-04	9.19E-05	6.03E-05
4838	562613.8	4234830	9.84E-04	8.77E-04	1.67E-04	1.41E-04	7.94E-04	6.44E-04	1.30E-04	1.25E-04	9.71E-05	6.37E-05
4839	562852.1	4235265	7.15E-04	6.38E-04	1.21E-04	1.02E-04	5.78E-04	4.68E-04	9.46E-05	9.08E-05	7.06E-05	4.64E-05
4840	562860.5	4235270	7.42E-04	6.62E-04	1.26E-04	1.06E-04	5.99E-04	4.86E-04	9.81E-05	9.42E-05	7.33E-05	4.81E-05
4841	562869	4235274	7.71E-04	6.88E-04	1.31E-04	1.10E-04	6.23E-04	5.05E-04	1.02E-04	9.79E-05	7.62E-05	5.00E-05
4842	562877.4	4235279	8.01E-04	7.15E-04	1.36E-04	1.15E-04	6.47E-04	5.24E-04	1.06E-04	1.02E-04	7.91E-05	5.19E-05
4843	562885.9	4235283	8.30E-04	7.40E-04	1.41E-04	1.19E-04	6.70E-04	5.43E-04	1.10E-04	1.05E-04	8.20E-05	5.38E-05
4844	562894.4	4235288	8.55E-04	7.62E-04	1.45E-04	1.22E-04	6.90E-04	5.59E-04	1.13E-04	1.08E-04	8.44E-05	5.54E-05
4845	562902.8	4235292	8.80E-04	7.85E-04	1.49E-04	1.26E-04	7.11E-04	5.76E-04	1.16E-04	1.12E-04	8.69E-05	5.70E-05
4846	562911.3	4235297	9.06E-04	8.08E-04	1.54E-04	1.30E-04	7.31E-04	5.93E-04	1.20E-04	1.15E-04	8.94E-05	5.87E-05
4847	562919.7	4235301	9.32E-04	8.31E-04	1.58E-04	1.33E-04	7.52E-04	6.10E-04	1.23E-04	1.18E-04	9.20E-05	6.04E-05
4848	562928.2	4235306	9.58E-04	8.54E-04	1.63E-04	1.37E-04	7.73E-04	6.27E-04	1.27E-04	1.22E-04	9.46E-05	6.21E-05
4849	562936.6	4235310	9.85E-04	8.78E-04	1.67E-04	1.41E-04	7.95E-04	6.44E-04	1.30E-04	1.25E-04	9.72E-05	6.38E-05
4850	562945.1	4235315	1.01E-03	9.03E-04	1.72E-04	1.45E-04	8.17E-04	6.62E-04	1.34E-04	1.28E-04	9.99E-05	6.56E-05
4851	562953.5	4235320	1.04E-03	9.27E-04	1.76E-04	1.49E-04	8.39E-04	6.80E-04	1.37E-04	1.32E-04	1.03E-04	6.74E-05
4852	562962	4235324	1.07E-03	9.52E-04	1.81E-04	1.53E-04	8.62E-04	6.98E-04	1.41E-04	1.35E-04	1.05E-04	6.92E-05
4853	562970.4	4235329	1.09E-03	9.77E-04	1.86E-04	1.57E-04	8.84E-04	7.16E-04	1.45E-04	1.39E-04	1.08E-04	7.10E-05
4854	562978.9	4235333	1.12E-03	1.00E-03	1.90E-04	1.61E-04	9.06E-04	7.35E-04	1.48E-04	1.42E-04	1.11E-04	7.27E-05
4855	562987.3	4235338	1.15E-03	1.03E-03	1.95E-04	1.64E-04	9.28E-04	7.52E-04	1.52E-04	1.46E-04	1.14E-04	7.45E-05
4856	562995.8	4235342	1.18E-03	1.05E-03	2.00E-04	1.68E-04	9.50E-04	7.70E-04	1.56E-04	1.49E-04	1.16E-04	7.63E-05
4857	563004.2	4235347	1.20E-03	1.07E-03	2.04E-04	1.72E-04	9.71E-04	7.87E-04	1.59E-04	1.53E-04	1.19E-04	7.79E-05
4858	563012.7	4235351	1.23E-03	1.09E-03	2.08E-04	1.75E-04	9.91E-04	8.03E-04	1.62E-04	1.56E-04	1.21E-04	7.95E-05
4859	563021.1	4235356	1.25E-03	1.12E-03	2.12E-04	1.79E-04	1.01E-03	8.18E-04	1.65E-04	1.59E-04	1.23E-04	8.10E-05
4860	563029.6	4235360	1.27E-03	1.13E-03	2.16E-04	1.82E-04	1.03E-03	8.32E-04	1.68E-04	1.61E-04	1.26E-04	8.24E-05
4861	562826.4	4235293	6.32E-04	5.64E-04	1.07E-04	9.04E-05	5.10E-04	4.14E-04	8.36E-05	8.02E-05	6.24E-05	4.10E-05
4862	562819.6	4235287	6.17E-04	5.51E-04	1.05E-04	8.83E-05	4.98E-04	4.04E-04	8.16E-05	7.83E-05	6.10E-05	4.00E-05
4863	562812.8	4235280	6.03E-04	5.38E-04	1.02E-04	8.62E-05	4.87E-04	3.94E-04	7.97E-05	7.65E-05	5.95E-05	3.91E-05
4864	562806.1	4235273	5.88E-04	5.25E-04	9.98E-05	8.41E-05	4.75E-04	3.85E-04	7.78E-05	7.46E-05	5.81E-05	3.81E-05
4865	562799.3	4235266	5.74E-04	5.12E-04	9.73E-05	8.20E-05	4.63E-04	3.75E-04	7.59E-05	7.28E-05	5.66E-05	3.72E-05
4866	562792.6	4235260	5.59E-04	4.99E-04	9.49E-05	8.00E-05	4.52E-04	3.66E-04	7.40E-05	7.10E-05	5.52E-05	3.62E-05
4867	562785.8	4235253	5.45E-04	4.86E-04	9.25E-05	7.80E-05	4.40E-04	3.57E-04	7.21E-05	6.92E-05	5.38E-05	3.53E-05
4868	562779	4235246	5.32E-04	4.74E-04	9.02E-05	7.60E-05	4.29E-04	3.48E-04	7.03E-05	6.75E-05	5.25E-05	3.45E-05
4869	562772.3	4235239	5.18E-04	4.63E-04	8.80E-05	7.41E-05	4.19E-04	3.39E-04	6.86E-05	6.58E-05	5.12E-05	3.36E-05
4870	562765.5	4235233	5.06E-04	4.51E-04	8.58E-05	7.23E-05	4.08E-04	3.31E-04	6.69E-05	6.42E-05	5.00E-05	3.28E-05
4871	562758.7	4235226	4.94E-04	4.40E-04	8.38E-05	7.06E-05	3.99E-04	3.23E-04	6.53E-05	6.27E-05	4.88E-05	3.20E-05
4872	562752	4235219	4.82E-04	4.30E-04	8.18E-05	6.90E-05	3.89E-04	3.16E-04	6.38E-05	6.12E-05	4.76E-05	3.13E-05
4873	562745.2	4235212	4.71E-04	4.21E-04	8.00E-05	6.74E-05	3.81E-04	3.09E-04	6.24E-05	5.98E-05	4.66E-05	3.06E-05
4874	562738.5	4235206	4.61E-04	4.11E-04	7.83E-05	6.60E-05	3.72E-04	3.02E-04	6.10E-05	5.85E-05	4.56E-05	2.99E-05
4875	562731.7	4235199	4.52E-04	4.03E-04	7.66E-05	6.46E-05	3.65E-04	2.96E-04	5.97E-05	5.73E-05	4.46E-05	2.93E-05
4876	562724.9	4235192	4.43E-04	3.95E-04	7.51E-05	6.33E-05	3.57E-04	2.90E-04	5.85E-05	5.62E-05	4.37E-05	2.87E-05
4877	562718.2	4235185	4.34E-04	3.87E-04	7.37E-05	6.21E-05	3.51E-04	2.84E-04	5.74E-05	5.51E-05	4.29E-05	2.81E-05
4878	562711.4	4235179	4.26E-04	3.80E-04	7.23E-05	6.09E-05	3.44E-04	2.79E-04	5.63E-05	5.41E-05	4.21E-05	2.76E-05
4879	562704.6	4235172	4.19E-04	3.73E-04	7.10E-05	5.99E-05	3.38E-04	2.74E-04	5.53E-05	5.31E-05	4.13E-05	2.71E-05
4880	562697.9	4235165	4.11E-04	3.67E-04	6.98E-05	5.88E-05	3.32E-04	2.69E-04	5.44E-05	5.22E-05	4.06E-05	2.67E-05
4881	562691.1	4235158	4.04E-04	3.61E-04	6.86E-05	5.78E-05	3.27E-04	2.65E-04	5.35E-05	5.13E-05	3.99E-05	2.62E-05
4882	562684.3	4235152	3.98E-04	3.55E-04	6.75E-05	5.69E-05	3.21E-04	2.60E-04	5.26E-05	5.05E-05	3.93E-05	2.58E-05
4883	562677.6	4235145	3.92E-04	3.49E-04	6.65E-05	5.60E-05	3.16E-04	2.56E-04	5.18E-05	4.97E-05	3.87E-05	2.54E-05
4884	562670.8	4235138	3.86E-04	3.44E-04	6.55E-05	5.52E-05	3.11E-04	2.52E-04	5.10E-05	4.89E-05	3.81E-05	2.50E-05
4885	562664.1	4235131	3.80E-04	3.39E-04	6.45E-05	5.43E-05	3.07E-04	2.49E-04	5.03E-05	4.82E-05	3.75E-05	2.46E-05
4886	562657.3	4235125	3.74E-04	3.34E-04	6.35E-05	5.36E-05	3.02E-04	2.45E-04	4.95E-05	4.75E-05	3.70E-05	2.43E-05
4887	562650.5	4235118	3.69E-04	3.29E-04	6.26E-05	5.28E-05	2.98E-04	2.42E-04	4.88E-05	4.68E-05	3.65E-05	2.39E-05

4888	562643.8	4235111	3.64E-04	3.25E-04	6.18E-05	5.21E-05	2.94E-04	2.38E-04	4.81E-05	4.62E-05	3.60E-05	2.36E-05
4889	562637	4235104	3.59E-04	3.21E-04	6.10E-05	5.14E-05	2.90E-04	2.35E-04	4.75E-05	4.56E-05	3.55E-05	2.33E-05
4890	562628.3	4235088	3.56E-04	3.17E-04	6.04E-05	5.09E-05	2.87E-04	2.33E-04	4.71E-05	4.52E-05	3.51E-05	2.31E-05
4891	562626.4	4235079	3.57E-04	3.19E-04	6.06E-05	5.11E-05	2.89E-04	2.34E-04	4.73E-05	4.53E-05	3.53E-05	2.32E-05
4892	562624.4	4235070	3.59E-04	3.20E-04	6.10E-05	5.14E-05	2.90E-04	2.35E-04	4.75E-05	4.56E-05	3.55E-05	2.33E-05
4893	562622.5	4235060	3.62E-04	3.23E-04	6.14E-05	5.17E-05	2.92E-04	2.37E-04	4.78E-05	4.59E-05	3.57E-05	2.34E-05
4894	562620.5	4235051	3.65E-04	3.26E-04	6.19E-05	5.22E-05	2.95E-04	2.39E-04	4.83E-05	4.63E-05	3.60E-05	2.36E-05
4895	562618.6	4235041	3.69E-04	3.29E-04	6.26E-05	5.27E-05	2.98E-04	2.41E-04	4.88E-05	4.68E-05	3.64E-05	2.39E-05
4896	562616.6	4235032	3.74E-04	3.33E-04	6.34E-05	5.34E-05	3.02E-04	2.45E-04	4.94E-05	4.74E-05	3.69E-05	2.42E-05
4897	562614.7	4235023	3.79E-04	3.39E-04	6.44E-05	5.43E-05	3.06E-04	2.48E-04	5.02E-05	4.82E-05	3.75E-05	2.46E-05
4898	562612.8	4235013	3.86E-04	3.45E-04	6.56E-05	5.53E-05	3.12E-04	2.53E-04	5.11E-05	4.90E-05	3.82E-05	2.50E-05
4899	562610.8	4235004	3.95E-04	3.52E-04	6.70E-05	5.64E-05	3.19E-04	2.58E-04	5.22E-05	5.01E-05	3.90E-05	2.56E-05
4900	562608.9	4234995	4.04E-04	3.60E-04	6.86E-05	5.78E-05	3.26E-04	2.64E-04	5.34E-05	5.13E-05	3.99E-05	2.62E-05
4901	562606.9	4234985	4.15E-04	3.70E-04	7.04E-05	5.94E-05	3.35E-04	2.72E-04	5.49E-05	5.27E-05	4.10E-05	2.69E-05
4902	562605	4234976	4.27E-04	3.81E-04	7.25E-05	6.11E-05	3.45E-04	2.80E-04	5.65E-05	5.42E-05	4.22E-05	2.77E-05
4903	562603.1	4234967	4.42E-04	3.94E-04	7.49E-05	6.31E-05	3.57E-04	2.89E-04	5.84E-05	5.60E-05	4.36E-05	2.86E-05
4904	562601.1	4234957	4.57E-04	4.08E-04	7.76E-05	6.54E-05	3.69E-04	2.99E-04	6.05E-05	5.80E-05	4.52E-05	2.96E-05
4905	562599.2	4234948	4.75E-04	4.24E-04	8.06E-05	6.79E-05	3.83E-04	3.11E-04	6.28E-05	6.03E-05	4.69E-05	3.08E-05
4906	562597.2	4234939	4.94E-04	4.41E-04	8.39E-05	7.07E-05	3.99E-04	3.24E-04	6.54E-05	6.27E-05	4.88E-05	3.20E-05
4907	562595.3	4234929	5.16E-04	4.60E-04	8.76E-05	7.38E-05	4.17E-04	3.38E-04	6.82E-05	6.55E-05	5.10E-05	3.34E-05
4908	562593.3	4234920	5.40E-04	4.81E-04	9.16E-05	7.72E-05	4.36E-04	3.53E-04	7.14E-05	6.85E-05	5.33E-05	3.50E-05
4909	562591.4	4234910	5.66E-04	5.05E-04	9.60E-05	8.09E-05	4.57E-04	3.70E-04	7.48E-05	7.18E-05	5.59E-05	3.67E-05
4910	562589.5	4234901	5.94E-04	5.30E-04	1.01E-04	8.49E-05	4.80E-04	3.89E-04	7.85E-05	7.54E-05	5.87E-05	3.85E-05
4911	562587.5	4234892	6.25E-04	5.57E-04	1.06E-04	8.93E-05	5.04E-04	4.09E-04	8.26E-05	7.93E-05	6.17E-05	4.05E-05
4912	562585.6	4234882	6.58E-04	5.87E-04	1.12E-04	9.41E-05	5.31E-04	4.31E-04	8.70E-05	8.35E-05	6.50E-05	4.26E-05
4913	562583.6	4234873	6.94E-04	6.19E-04	1.18E-04	9.92E-05	5.60E-04	4.54E-04	9.18E-05	8.80E-05	6.85E-05	4.50E-05
4914	562581.7	4234864	7.32E-04	6.53E-04	1.24E-04	1.05E-04	5.91E-04	4.79E-04	9.69E-05	9.29E-05	7.23E-05	4.75E-05
4915	562579.8	4234854	7.73E-04	6.90E-04	1.31E-04	1.11E-04	6.24E-04	5.06E-04	1.02E-04	9.81E-05	7.64E-05	5.01E-05
4916	562577.8	4234845	8.15E-04	7.27E-04	1.38E-04	1.17E-04	6.58E-04	5.34E-04	1.08E-04	1.03E-04	8.05E-05	5.28E-05
4917	562575.9	4234836	8.50E-04	7.58E-04	1.44E-04	1.22E-04	6.86E-04	5.56E-04	1.12E-04	1.08E-04	8.40E-05	5.51E-05
4918	562573.9	4234826	8.86E-04	7.90E-04	1.50E-04	1.27E-04	7.15E-04	5.80E-04	1.17E-04	1.12E-04	8.75E-05	5.74E-05
4919	562833.1	4235300	6.46E-04	5.77E-04	1.10E-04	9.24E-05	5.22E-04	4.23E-04	8.55E-05	8.20E-05	6.38E-05	4.19E-05
4920	562841.6	4235305	6.66E-04	5.94E-04	1.13E-04	9.52E-05	5.38E-04	4.36E-04	8.81E-05	8.45E-05	6.58E-05	4.32E-05
4921	562850	4235309	6.86E-04	6.12E-04	1.16E-04	9.81E-05	5.54E-04	4.49E-04	9.07E-05	8.70E-05	6.77E-05	4.44E-05
4922	562858.5	4235314	7.08E-04	6.32E-04	1.20E-04	1.01E-04	5.72E-04	4.63E-04	9.37E-05	8.99E-05	6.99E-05	4.59E-05
4923	562866.9	4235318	7.33E-04	6.54E-04	1.24E-04	1.05E-04	5.92E-04	4.80E-04	9.70E-05	9.30E-05	7.24E-05	4.75E-05
4924	562875.4	4235323	7.58E-04	6.77E-04	1.29E-04	1.08E-04	6.12E-04	4.96E-04	1.00E-04	9.62E-05	7.49E-05	4.92E-05
4925	562883.8	4235327	7.84E-04	6.99E-04	1.33E-04	1.12E-04	6.33E-04	5.13E-04	1.04E-04	9.95E-05	7.74E-05	5.08E-05
4926	562892.3	4235332	8.05E-04	7.18E-04	1.37E-04	1.15E-04	6.50E-04	5.27E-04	1.06E-04	1.02E-04	7.95E-05	5.21E-05
4927	562900.7	4235337	8.26E-04	7.37E-04	1.40E-04	1.18E-04	6.67E-04	5.40E-04	1.09E-04	1.05E-04	8.15E-05	5.35E-05
4928	562909.2	4235341	8.47E-04	7.56E-04	1.44E-04	1.21E-04	6.84E-04	5.54E-04	1.12E-04	1.07E-04	8.36E-05	5.49E-05
4929	562917.6	4235346	8.69E-04	7.75E-04	1.47E-04	1.24E-04	7.01E-04	5.68E-04	1.15E-04	1.10E-04	8.58E-05	5.63E-05
4930	562926.1	4235350	8.91E-04	7.94E-04	1.51E-04	1.27E-04	7.19E-04	5.83E-04	1.18E-04	1.13E-04	8.80E-05	5.77E-05
4931	562934.6	4235355	9.13E-04	8.14E-04	1.55E-04	1.31E-04	7.37E-04	5.97E-04	1.21E-04	1.16E-04	9.02E-05	5.92E-05
4932	562943	4235359	9.36E-04	8.35E-04	1.59E-04	1.34E-04	7.55E-04	6.12E-04	1.24E-04	1.19E-04	9.24E-05	6.06E-05
4933	562951.5	4235364	9.58E-04	8.55E-04	1.63E-04	1.37E-04	7.74E-04	6.27E-04	1.27E-04	1.22E-04	9.46E-05	6.21E-05
4934	562959.9	4235368	9.81E-04	8.75E-04	1.67E-04	1.40E-04	7.92E-04	6.42E-04	1.30E-04	1.25E-04	9.69E-05	6.36E-05
4935	562968.4	4235373	1.00E-03	8.96E-04	1.70E-04	1.44E-04	8.11E-04	6.57E-04	1.33E-04	1.27E-04	9.92E-05	6.51E-05
4936	562976.8	4235378	1.03E-03	9.16E-04	1.74E-04	1.47E-04	8.29E-04	6.72E-04	1.36E-04	1.30E-04	1.01E-04	6.66E-05
4937	562985.3	4235382	1.05E-03	9.36E-04	1.78E-04	1.50E-04	8.47E-04	6.87E-04	1.39E-04	1.33E-04	1.04E-04	6.80E-05
4938	562993.7	4235387	1.07E-03	9.55E-04	1.82E-04	1.53E-04	8.65E-04	7.01E-04	1.42E-04	1.36E-04	1.06E-04	6.94E-05
4939	563002.2	4235391	1.09E-03	9.74E-04	1.85E-04	1.56E-04	8.81E-04	7.14E-04	1.44E-04	1.38E-04	1.08E-04	7.07E-05
4940	563010.6	4235396	1.11E-03	9.91E-04	1.88E-04	1.59E-04	8.97E-04	7.27E-04	1.47E-04	1.41E-04	1.10E-04	7.20E-05
4941	562807.5	4235329	5.76E-04	5.14E-04	9.78E-05	8.24E-05	4.65E-04	3.77E-04	7.62E-05	7.31E-05	5.69E-05	3.74E-05
4942	562800.9	4235322	5.64E-04	5.03E-04	9.57E-05	8.07E-05	4.56E-04	3.69E-04	7.46E-05	7.16E-05	5.57E-05	3.66E-05
4943	562794.3	4235316	5.52E-04	4.92E-04	9.36E-05	7.89E-05	4.45E-04	3.61E-04	7.30E-05	7.00E-05	5.45E-05	3.58E-05
4944	562787.6	4235309	5.39E-04	4.81E-04	9.15E-05	7.71E-05	4.35E-04	3.53E-04	7.13E-05	6.84E-05	5.33E-05	3.50E-05
4945	562781	4235302	5.27E-04	4.70E-04	8.94E-05	7.53E-05	4.25E-04	3.45E-04	6.97E-05	6.69E-05	5.20E-05	3.41E-05
4946	562774.3	4235296	5.15E-04	4.59E-04	8.73E-05	7.36E-05	4.15E-04	3.37E-04	6.80E-05	6.53E-05	5.08E-05	3.33E-05
4947	562767.7	4235289	5.02E-04	4.48E-04	8.52E-05	7.18E-05	4.06E-04	3.29E-04	6.64E-05	6.37E-05	4.96E-05	3.26E-05
4948	562761.1	4235282	4.91E-04	4.38E-04	8.32E-05	7.01E-05	3.96E-04	3.21E-04	6.49E-05	6.22E-05	4.84E-05	3.18E-05
4949	562754.4	4235276	4.79E-04	4.27E-04	8.13E-05	6.85E-05	3.87E-04	3.13E-04	6.33E-05	6.08E-05	4.73E-05	3.10E-05
4950	562747.8	4235269	4.68E-04	4.17E-04	7.94E-05	6.69E-05	3.78E-04	3.06E-04	6.19E-05	5.94E-05	4.62E-05	3.03E-05
4951	562741.1	4235262	4.57E-04	4.08E-04	7.76E-05	6.54E-05	3.69E-04	2.99E-04	6.05E-05	5.80E-05	4.51E-05	2.96E-05
4952	562734.5	4235256	4.47E-04	3.99E-04	7.58E-05	6.39E-05	3.61E-04	2.92E-04	5.91E-05	5.67E-05	4.41E-05	2.90E-05
4953	562727.9	4235249	4.37E-04	3.90E-04	7.42E-05	6.25E-05	3.53E-04	2.86E-04	5.78E-05	5.55E-05	4.32E-05	2.83E-05
4954	562721.2	4235243	4.28E-04	3.82E-04	7.26E-05	6.12E-05	3.46E-04	2.80E-04	5.66E-05	5.43E-05	4.23E-05	2.77E-05

4955	562714.6	4235236	4.19E-04	3.74E-04	7.12E-05	6.00E-05	3.39E-04	2.74E-04	5.55E-05	5.32E-05	4.14E-05	2.72E-05
4956	562707.9	4235229	4.11E-04	3.67E-04	6.98E-05	5.88E-05	3.32E-04	2.69E-04	5.44E-05	5.22E-05	4.06E-05	2.66E-05
4957	562701.3	4235223	4.04E-04	3.60E-04	6.85E-05	5.77E-05	3.26E-04	2.64E-04	5.34E-05	5.12E-05	3.99E-05	2.62E-05
4958	562694.7	4235216	3.96E-04	3.54E-04	6.72E-05	5.67E-05	3.20E-04	2.59E-04	5.24E-05	5.03E-05	3.91E-05	2.57E-05
4959	562688	4235209	3.90E-04	3.48E-04	6.61E-05	5.57E-05	3.15E-04	2.55E-04	5.15E-05	4.94E-05	3.85E-05	2.52E-05
4960	562681.4	4235203	3.83E-04	3.42E-04	6.50E-05	5.48E-05	3.09E-04	2.51E-04	5.07E-05	4.86E-05	3.78E-05	2.48E-05
4961	562674.7	4235196	3.77E-04	3.36E-04	6.40E-05	5.39E-05	3.04E-04	2.47E-04	4.99E-05	4.78E-05	3.72E-05	2.44E-05
4962	562668.1	4235190	3.71E-04	3.31E-04	6.30E-05	5.31E-05	3.00E-04	2.43E-04	4.91E-05	4.71E-05	3.67E-05	2.41E-05
4963	562661.5	4235183	3.66E-04	3.26E-04	6.21E-05	5.23E-05	2.95E-04	2.39E-04	4.84E-05	4.64E-05	3.61E-05	2.37E-05
4964	562654.8	4235176	3.60E-04	3.21E-04	6.11E-05	5.15E-05	2.91E-04	2.36E-04	4.77E-05	4.57E-05	3.56E-05	2.34E-05
4965	562648.2	4235170	3.55E-04	3.17E-04	6.03E-05	5.08E-05	2.87E-04	2.32E-04	4.70E-05	4.51E-05	3.51E-05	2.30E-05
4966	562641.5	4235163	3.50E-04	3.12E-04	5.94E-05	5.01E-05	2.83E-04	2.29E-04	4.63E-05	4.44E-05	3.46E-05	2.27E-05
4967	562634.9	4235156	3.45E-04	3.08E-04	5.86E-05	4.94E-05	2.79E-04	2.26E-04	4.57E-05	4.38E-05	3.41E-05	2.24E-05
4968	562628.3	4235150	3.41E-04	3.04E-04	5.78E-05	4.87E-05	2.75E-04	2.23E-04	4.50E-05	4.32E-05	3.36E-05	2.21E-05
4969	562621.6	4235143	3.36E-04	3.00E-04	5.70E-05	4.81E-05	2.71E-04	2.20E-04	4.44E-05	4.26E-05	3.32E-05	2.18E-05
4970	562615	4235137	3.32E-04	2.96E-04	5.63E-05	4.74E-05	2.68E-04	2.17E-04	4.39E-05	4.21E-05	3.28E-05	2.15E-05
4971	562608.3	4235130	3.27E-04	2.92E-04	5.55E-05	4.68E-05	2.64E-04	2.14E-04	4.33E-05	4.15E-05	3.23E-05	2.12E-05
4972	562601.7	4235123	3.23E-04	2.88E-04	5.48E-05	4.62E-05	2.61E-04	2.11E-04	4.27E-05	4.10E-05	3.19E-05	2.09E-05
4973	562593.1	4235107	3.20E-04	2.85E-04	5.43E-05	4.58E-05	2.58E-04	2.09E-04	4.23E-05	4.06E-05	3.16E-05	2.07E-05
4974	562591.2	4235098	3.21E-04	2.86E-04	5.44E-05	4.59E-05	2.59E-04	2.10E-04	4.24E-05	4.07E-05	3.17E-05	2.08E-05
4975	562589.3	4235089	3.22E-04	2.87E-04	5.47E-05	4.61E-05	2.60E-04	2.11E-04	4.26E-05	4.09E-05	3.18E-05	2.09E-05
4976	562587.4	4235080	3.24E-04	2.89E-04	5.49E-05	4.63E-05	2.61E-04	2.12E-04	4.28E-05	4.11E-05	3.20E-05	2.10E-05
4977	562585.5	4235071	3.26E-04	2.91E-04	5.53E-05	4.66E-05	2.63E-04	2.13E-04	4.31E-05	4.13E-05	3.22E-05	2.11E-05
4978	562583.6	4235061	3.29E-04	2.93E-04	5.57E-05	4.70E-05	2.65E-04	2.15E-04	4.34E-05	4.17E-05	3.24E-05	2.13E-05
4979	562581.7	4235052	3.32E-04	2.96E-04	5.63E-05	4.75E-05	2.68E-04	2.17E-04	4.39E-05	4.21E-05	3.28E-05	2.15E-05
4980	562579.8	4235043	3.36E-04	3.00E-04	5.70E-05	4.80E-05	2.71E-04	2.20E-04	4.44E-05	4.26E-05	3.32E-05	2.18E-05
4981	562577.9	4235034	3.41E-04	3.04E-04	5.78E-05	4.87E-05	2.75E-04	2.23E-04	4.51E-05	4.32E-05	3.37E-05	2.21E-05
4982	562576	4235025	3.47E-04	3.09E-04	5.88E-05	4.96E-05	2.80E-04	2.27E-04	4.58E-05	4.40E-05	3.42E-05	2.25E-05
4983	562574.1	4235016	3.53E-04	3.15E-04	5.99E-05	5.05E-05	2.85E-04	2.31E-04	4.67E-05	4.48E-05	3.49E-05	2.29E-05
4984	562572.2	4235006	3.61E-04	3.22E-04	6.13E-05	5.16E-05	2.92E-04	2.36E-04	4.78E-05	4.58E-05	3.57E-05	2.34E-05
4985	562570.3	4234997	3.70E-04	3.30E-04	6.28E-05	5.29E-05	2.99E-04	2.42E-04	4.89E-05	4.70E-05	3.66E-05	2.40E-05
4986	562568.4	4234988	3.80E-04	3.39E-04	6.45E-05	5.44E-05	3.07E-04	2.49E-04	5.03E-05	4.83E-05	3.76E-05	2.46E-05
4987	562566.5	4234979	3.92E-04	3.50E-04	6.65E-05	5.60E-05	3.16E-04	2.56E-04	5.18E-05	4.97E-05	3.87E-05	2.54E-05
4988	562564.5	4234970	4.05E-04	3.61E-04	6.87E-05	5.79E-05	3.27E-04	2.65E-04	5.35E-05	5.13E-05	4.00E-05	2.62E-05
4989	562562.6	4234960	4.19E-04	3.74E-04	7.11E-05	5.99E-05	3.38E-04	2.74E-04	5.54E-05	5.31E-05	4.14E-05	2.71E-05
4990	562560.7	4234951	4.35E-04	3.88E-04	7.37E-05	6.21E-05	3.51E-04	2.84E-04	5.75E-05	5.51E-05	4.29E-05	2.82E-05
4991	562558.8	4234942	4.52E-04	4.03E-04	7.67E-05	6.46E-05	3.65E-04	2.96E-04	5.98E-05	5.73E-05	4.46E-05	2.93E-05
4992	562556.9	4234933	4.71E-04	4.20E-04	7.99E-05	6.73E-05	3.80E-04	3.08E-04	6.23E-05	5.97E-05	4.65E-05	3.05E-05
4993	562555	4234924	4.91E-04	4.38E-04	8.34E-05	7.03E-05	3.97E-04	3.22E-04	6.50E-05	6.23E-05	4.85E-05	3.18E-05
4994	562553.1	4234914	5.14E-04	4.58E-04	8.72E-05	7.35E-05	4.15E-04	3.36E-04	6.79E-05	6.52E-05	5.07E-05	3.33E-05
4995	562551.2	4234905	5.38E-04	4.80E-04	9.13E-05	7.70E-05	4.34E-04	3.52E-04	7.12E-05	6.83E-05	5.31E-05	3.49E-05
4996	562549.3	4234896	5.64E-04	5.03E-04	9.58E-05	8.07E-05	4.56E-04	3.69E-04	7.46E-05	7.16E-05	5.57E-05	3.66E-05
4997	562547.4	4234887	5.93E-04	5.29E-04	1.01E-04	8.48E-05	4.79E-04	3.88E-04	7.84E-05	7.52E-05	5.85E-05	3.84E-05
4998	562545.5	4234878	6.23E-04	5.56E-04	1.06E-04	8.91E-05	5.03E-04	4.08E-04	8.24E-05	7.91E-05	6.15E-05	4.04E-05
4999	562543.6	4234869	6.53E-04	5.83E-04	1.11E-04	9.35E-05	5.28E-04	4.28E-04	8.64E-05	8.29E-05	6.45E-05	4.24E-05
5000	562541.7	4234859	6.84E-04	6.10E-04	1.16E-04	9.79E-05	5.52E-04	4.48E-04	9.05E-05	8.68E-05	6.76E-05	4.43E-05
5001	562539.8	4234850	7.15E-04	6.38E-04	1.21E-04	1.02E-04	5.78E-04	4.68E-04	9.46E-05	9.08E-05	7.07E-05	4.64E-05
5002	562537.9	4234841	7.47E-04	6.67E-04	1.27E-04	1.07E-04	6.04E-04	4.89E-04	9.88E-05	9.48E-05	7.38E-05	4.84E-05
5003	562536	4234832	7.81E-04	6.97E-04	1.33E-04	1.12E-04	6.31E-04	5.11E-04	1.03E-04	9.91E-05	7.72E-05	5.06E-05
5004	562534	4234823	8.18E-04	7.29E-04	1.39E-04	1.17E-04	6.60E-04	5.35E-04	1.08E-04	1.04E-04	8.07E-05	5.30E-05
5005	562814.2	4235335	5.88E-04	5.25E-04	9.99E-05	8.42E-05	4.75E-04	3.85E-04	7.78E-05	7.47E-05	5.81E-05	3.81E-05
5006	562822.6	4235340	6.05E-04	5.40E-04	1.03E-04	8.65E-05	4.89E-04	3.96E-04	8.00E-05	7.68E-05	5.98E-05	3.92E-05
5007	562831.1	4235344	6.22E-04	5.55E-04	1.06E-04	8.89E-05	5.02E-04	4.07E-04	8.22E-05	7.89E-05	6.14E-05	4.03E-05
5008	562839.5	4235349	6.38E-04	5.70E-04	1.08E-04	9.13E-05	5.15E-04	4.18E-04	8.44E-05	8.10E-05	6.31E-05	4.14E-05
5009	562848	4235354	6.55E-04	5.84E-04	1.11E-04	9.37E-05	5.29E-04	4.29E-04	8.66E-05	8.31E-05	6.47E-05	4.25E-05
5010	562856.4	4235358	6.73E-04	6.01E-04	1.14E-04	9.63E-05	5.44E-04	4.41E-04	8.90E-05	8.54E-05	6.65E-05	4.36E-05
5011	562864.9	4235363	6.94E-04	6.19E-04	1.18E-04	9.93E-05	5.61E-04	4.54E-04	9.18E-05	8.81E-05	6.86E-05	4.50E-05
5012	562873.3	4235367	7.16E-04	6.39E-04	1.21E-04	1.02E-04	5.78E-04	4.69E-04	9.47E-05	9.08E-05	7.07E-05	4.64E-05
5013	562881.8	4235372	7.37E-04	6.58E-04	1.25E-04	1.05E-04	5.95E-04	4.83E-04	9.75E-05	9.36E-05	7.28E-05	4.78E-05
5014	562890.2	4235376	7.56E-04	6.74E-04	1.28E-04	1.08E-04	6.10E-04	4.95E-04	1.00E-04	9.59E-05	7.46E-05	4.90E-05
5015	562898.7	4235381	7.74E-04	6.90E-04	1.31E-04	1.11E-04	6.25E-04	5.06E-04	1.02E-04	9.82E-05	7.64E-05	5.01E-05
5016	562907.1	4235385	7.92E-04	7.06E-04	1.34E-04	1.13E-04	6.39E-04	5.18E-04	1.05E-04	1.00E-04	7.82E-05	5.13E-05
5017	562915.6	4235390	8.10E-04	7.22E-04	1.37E-04	1.16E-04	6.54E-04	5.30E-04	1.07E-04	1.03E-04	8.00E-05	5.25E-05
5018	562924	4235395	8.28E-04	7.39E-04	1.41E-04	1.18E-04	6.69E-04	5.42E-04	1.10E-04	1.05E-04	8.18E-05	5.37E-05
5019	562932.5	4235399	8.47E-04	7.56E-04	1.44E-04	1.21E-04	6.84E-04	5.54E-04	1.12E-04	1.08E-04	8.37E-05	5.49E-05
5020	562940.9	4235404	8.66E-04	7.73E-04	1.47E-04	1.24E-04	7.00E-04	5.67E-04	1.15E-04	1.10E-04	8.56E-05	5.62E-05
5021	562949.4	4235408	8.86E-04	7.90E-04	1.50E-04	1.27E-04	7.15E-04	5.80E-04	1.17E-04	1.12E-04	8.75E-05	5.74E-05

5022	562957.8	4235413	9.05E-04	8.07E-04	1.54E-04	1.29E-04	7.31E-04	5.92E-04	1.20E-04	1.15E-04	8.94E-05	5.86E-05
5023	562966.3	4235417	9.24E-04	8.24E-04	1.57E-04	1.32E-04	7.46E-04	6.05E-04	1.22E-04	1.17E-04	9.13E-05	5.99E-05
5024	562974.8	4235422	9.43E-04	8.41E-04	1.60E-04	1.35E-04	7.61E-04	6.17E-04	1.25E-04	1.20E-04	9.31E-05	6.11E-05
5025	562983.2	4235426	9.61E-04	8.57E-04	1.63E-04	1.37E-04	7.76E-04	6.29E-04	1.27E-04	1.22E-04	9.49E-05	6.23E-05
5026	562991.7	4235431	9.79E-04	8.73E-04	1.66E-04	1.40E-04	7.90E-04	6.40E-04	1.29E-04	1.24E-04	9.66E-05	6.34E-05
5027	562788.5	4235364	5.28E-04	4.71E-04	8.96E-05	7.56E-05	4.27E-04	3.46E-04	6.99E-05	6.70E-05	5.22E-05	3.42E-05
5028	562781.8	4235357	5.18E-04	4.62E-04	8.78E-05	7.40E-05	4.18E-04	3.39E-04	6.84E-05	6.57E-05	5.11E-05	3.35E-05
5029	562775	4235350	5.07E-04	4.52E-04	8.60E-05	7.25E-05	4.09E-04	3.32E-04	6.70E-05	6.43E-05	5.00E-05	3.28E-05
5030	562768.3	4235344	4.96E-04	4.42E-04	8.41E-05	7.09E-05	4.00E-04	3.24E-04	6.55E-05	6.29E-05	4.89E-05	3.21E-05
5031	562761.6	4235337	4.85E-04	4.32E-04	8.22E-05	6.93E-05	3.91E-04	3.17E-04	6.41E-05	6.15E-05	4.79E-05	3.14E-05
5032	562754.9	4235330	4.74E-04	4.22E-04	8.04E-05	6.77E-05	3.82E-04	3.10E-04	6.26E-05	6.01E-05	4.68E-05	3.07E-05
5033	562748.1	4235324	4.63E-04	4.13E-04	7.85E-05	6.62E-05	3.74E-04	3.03E-04	6.12E-05	5.87E-05	4.57E-05	3.00E-05
5034	562741.4	4235317	4.52E-04	4.03E-04	7.67E-05	6.46E-05	3.65E-04	2.96E-04	5.98E-05	5.74E-05	4.46E-05	2.93E-05
5035	562734.7	4235310	4.42E-04	3.94E-04	7.49E-05	6.31E-05	3.57E-04	2.89E-04	5.84E-05	5.60E-05	4.36E-05	2.86E-05
5036	562728	4235303	4.31E-04	3.85E-04	7.32E-05	6.17E-05	3.48E-04	2.82E-04	5.71E-05	5.47E-05	4.26E-05	2.80E-05
5037	562721.2	4235297	4.22E-04	3.76E-04	7.16E-05	6.03E-05	3.41E-04	2.76E-04	5.58E-05	5.35E-05	4.16E-05	2.73E-05
5038	562714.5	4235290	4.12E-04	3.68E-04	7.00E-05	5.90E-05	3.33E-04	2.70E-04	5.45E-05	5.23E-05	4.07E-05	2.67E-05
5039	562707.8	4235283	4.04E-04	3.60E-04	6.85E-05	5.77E-05	3.26E-04	2.64E-04	5.34E-05	5.12E-05	3.99E-05	2.62E-05
5040	562701.1	4235277	3.95E-04	3.53E-04	6.71E-05	5.65E-05	3.19E-04	2.59E-04	5.23E-05	5.01E-05	3.90E-05	2.56E-05
5041	562694.3	4235270	3.87E-04	3.46E-04	6.57E-05	5.54E-05	3.13E-04	2.53E-04	5.12E-05	4.91E-05	3.82E-05	2.51E-05
5042	562687.6	4235263	3.80E-04	3.39E-04	6.45E-05	5.43E-05	3.07E-04	2.49E-04	5.02E-05	4.82E-05	3.75E-05	2.46E-05
5043	562680.9	4235256	3.73E-04	3.33E-04	6.33E-05	5.33E-05	3.01E-04	2.44E-04	4.93E-05	4.73E-05	3.68E-05	2.42E-05
5044	562674.2	4235250	3.66E-04	3.27E-04	6.22E-05	5.24E-05	2.96E-04	2.40E-04	4.84E-05	4.65E-05	3.62E-05	2.37E-05
5045	562667.5	4235243	3.60E-04	3.21E-04	6.11E-05	5.15E-05	2.91E-04	2.36E-04	4.76E-05	4.57E-05	3.56E-05	2.33E-05
5046	562660.7	4235236	3.54E-04	3.16E-04	6.01E-05	5.07E-05	2.86E-04	2.32E-04	4.69E-05	4.50E-05	3.50E-05	2.30E-05
5047	562654	4235230	3.49E-04	3.11E-04	5.92E-05	4.99E-05	2.82E-04	2.28E-04	4.62E-05	4.43E-05	3.45E-05	2.26E-05
5048	562647.3	4235223	3.44E-04	3.07E-04	5.83E-05	4.92E-05	2.78E-04	2.25E-04	4.55E-05	4.36E-05	3.40E-05	2.23E-05
5049	562640.6	4235216	3.39E-04	3.02E-04	5.75E-05	4.85E-05	2.74E-04	2.22E-04	4.48E-05	4.30E-05	3.35E-05	2.20E-05
5050	562633.8	4235209	3.34E-04	2.98E-04	5.67E-05	4.78E-05	2.70E-04	2.19E-04	4.42E-05	4.24E-05	3.30E-05	2.17E-05
5051	562627.1	4235203	3.30E-04	2.94E-04	5.59E-05	4.71E-05	2.66E-04	2.16E-04	4.36E-05	4.18E-05	3.25E-05	2.14E-05
5052	562620.4	4235196	3.25E-04	2.90E-04	5.52E-05	4.65E-05	2.63E-04	2.13E-04	4.30E-05	4.13E-05	3.21E-05	2.11E-05
5053	562613.7	4235189	3.21E-04	2.86E-04	5.44E-05	4.59E-05	2.59E-04	2.10E-04	4.24E-05	4.07E-05	3.17E-05	2.08E-05
5054	562606.9	4235183	3.17E-04	2.82E-04	5.37E-05	4.53E-05	2.56E-04	2.07E-04	4.19E-05	4.02E-05	3.13E-05	2.05E-05
5055	562600.2	4235176	3.12E-04	2.79E-04	5.30E-05	4.47E-05	2.52E-04	2.04E-04	4.13E-05	3.96E-05	3.09E-05	2.02E-05
5056	562593.5	4235169	3.08E-04	2.75E-04	5.23E-05	4.41E-05	2.49E-04	2.02E-04	4.08E-05	3.91E-05	3.04E-05	2.00E-05
5057	562586.8	4235162	3.04E-04	2.71E-04	5.16E-05	4.35E-05	2.46E-04	1.99E-04	4.02E-05	3.86E-05	3.01E-05	1.97E-05
5058	562580	4235156	3.00E-04	2.68E-04	5.10E-05	4.30E-05	2.43E-04	1.97E-04	3.97E-05	3.81E-05	2.97E-05	1.95E-05
5059	562573.3	4235149	2.97E-04	2.65E-04	5.03E-05	4.24E-05	2.39E-04	1.94E-04	3.92E-05	3.76E-05	2.93E-05	1.92E-05
5060	562566.6	4235142	2.93E-04	2.61E-04	4.97E-05	4.19E-05	2.36E-04	1.92E-04	3.87E-05	3.72E-05	2.89E-05	1.90E-05
5061	562557.9	4235126	2.90E-04	2.58E-04	4.92E-05	4.14E-05	2.34E-04	1.90E-04	3.83E-05	3.68E-05	2.86E-05	1.88E-05
5062	562556	4235117	2.90E-04	2.59E-04	4.92E-05	4.15E-05	2.34E-04	1.90E-04	3.84E-05	3.68E-05	2.87E-05	1.88E-05
5063	562554.1	4235108	2.91E-04	2.60E-04	4.94E-05	4.16E-05	2.35E-04	1.90E-04	3.85E-05	3.69E-05	2.87E-05	1.89E-05
5064	562552.1	4235098	2.92E-04	2.61E-04	4.96E-05	4.18E-05	2.36E-04	1.91E-04	3.86E-05	3.71E-05	2.89E-05	1.89E-05
5065	562550.2	4235089	2.94E-04	2.62E-04	4.98E-05	4.20E-05	2.37E-04	1.92E-04	3.88E-05	3.73E-05	2.90E-05	1.90E-05
5066	562548.3	4235080	2.96E-04	2.64E-04	5.02E-05	4.23E-05	2.39E-04	1.93E-04	3.91E-05	3.75E-05	2.92E-05	1.92E-05
5067	562546.3	4235070	2.98E-04	2.66E-04	5.06E-05	4.26E-05	2.41E-04	1.95E-04	3.94E-05	3.78E-05	2.94E-05	1.93E-05
5068	562544.4	4235061	3.01E-04	2.69E-04	5.11E-05	4.31E-05	2.43E-04	1.97E-04	3.98E-05	3.82E-05	2.97E-05	1.95E-05
5069	562542.5	4235052	3.05E-04	2.72E-04	5.17E-05	4.36E-05	2.46E-04	1.99E-04	4.03E-05	3.87E-05	3.01E-05	1.98E-05
5070	562540.6	4235043	3.09E-04	2.76E-04	5.25E-05	4.42E-05	2.50E-04	2.02E-04	4.09E-05	3.92E-05	3.05E-05	2.00E-05
5071	562538.6	4235033	3.15E-04	2.81E-04	5.34E-05	4.50E-05	2.54E-04	2.06E-04	4.16E-05	3.99E-05	3.11E-05	2.04E-05
5072	562536.7	4235024	3.21E-04	2.86E-04	5.44E-05	4.59E-05	2.59E-04	2.10E-04	4.24E-05	4.07E-05	3.17E-05	2.08E-05
5073	562534.8	4235015	3.28E-04	2.92E-04	5.56E-05	4.69E-05	2.65E-04	2.14E-04	4.33E-05	4.16E-05	3.24E-05	2.12E-05
5074	562532.8	4235005	3.36E-04	3.00E-04	5.70E-05	4.80E-05	2.71E-04	2.20E-04	4.44E-05	4.26E-05	3.32E-05	2.18E-05
5075	562530.9	4234996	3.45E-04	3.08E-04	5.85E-05	4.93E-05	2.79E-04	2.26E-04	4.56E-05	4.38E-05	3.41E-05	2.24E-05
5076	562529	4234987	3.55E-04	3.17E-04	6.03E-05	5.08E-05	2.87E-04	2.32E-04	4.70E-05	4.51E-05	3.51E-05	2.30E-05
5077	562527	4234977	3.67E-04	3.27E-04	6.22E-05	5.24E-05	2.96E-04	2.40E-04	4.85E-05	4.65E-05	3.62E-05	2.38E-05
5078	562525.1	4234968	3.79E-04	3.38E-04	6.44E-05	5.42E-05	3.06E-04	2.48E-04	5.02E-05	4.81E-05	3.75E-05	2.46E-05
5079	562523.2	4234959	3.93E-04	3.51E-04	6.67E-05	5.62E-05	3.17E-04	2.57E-04	5.20E-05	4.99E-05	3.88E-05	2.55E-05
5080	562521.2	4234950	4.08E-04	3.64E-04	6.93E-05	5.84E-05	3.30E-04	2.67E-04	5.40E-05	5.18E-05	4.03E-05	2.65E-05
5081	562519.3	4234940	4.25E-04	3.79E-04	7.21E-05	6.08E-05	3.43E-04	2.78E-04	5.62E-05	5.39E-05	4.20E-05	2.76E-05
5082	562517.4	4234931	4.43E-04	3.95E-04	7.52E-05	6.34E-05	3.58E-04	2.90E-04	5.86E-05	5.62E-05	4.38E-05	2.87E-05
5083	562515.5	4234922	4.63E-04	4.13E-04	7.85E-05	6.62E-05	3.74E-04	3.03E-04	6.12E-05	5.87E-05	4.57E-05	3.00E-05
5084	562513.5	4234912	4.84E-04	4.32E-04	8.21E-05	6.92E-05	3.91E-04	3.17E-04	6.40E-05	6.14E-05	4.78E-05	3.14E-05
5085	562511.6	4234903	5.06E-04	4.51E-04	8.59E-05	7.24E-05	4.09E-04	3.31E-04	6.69E-05	6.42E-05	5.00E-05	3.28E-05
5086	562509.7	4234894	5.28E-04	4.71E-04	8.95E-05	7.55E-05	4.26E-04	3.45E-04	6.98E-05	6.70E-05	5.21E-05	3.42E-05
5087	562507.7	4234884	5.50E-04	4.91E-04	9.33E-05	7.87E-05	4.44E-04	3.60E-04	7.27E-05	6.98E-05	5.43E-05	3.56E-05
5088	562505.8	4234875	5.73E-04	5.11E-04	9.72E-05	8.19E-05	4.63E-04	3.75E-04	7.58E-05	7.27E-05	5.66E-05	3.71E-05

5089	562503.9	4234866	5.98E-04	5.34E-04	1.02E-04	8.56E-05	4.83E-04	3.92E-04	7.91E-05	7.59E-05	5.91E-05	3.88E-05
5090	562501.9	4234856	6.26E-04	5.59E-04	1.06E-04	8.96E-05	5.06E-04	4.10E-04	8.28E-05	7.95E-05	6.19E-05	4.06E-05
5091	562500	4234847	6.57E-04	5.86E-04	1.11E-04	9.39E-05	5.30E-04	4.30E-04	8.68E-05	8.33E-05	6.48E-05	4.26E-05
5092	562498.1	4234838	6.97E-04	6.21E-04	1.18E-04	9.96E-05	5.62E-04	4.56E-04	9.21E-05	8.84E-05	6.88E-05	4.51E-05
5093	562496.1	4234829	7.40E-04	6.60E-04	1.26E-04	1.06E-04	5.98E-04	4.84E-04	9.79E-05	9.39E-05	7.31E-05	4.80E-05
5094	562494.2	4234819	7.87E-04	7.02E-04	1.34E-04	1.13E-04	6.36E-04	5.15E-04	1.04E-04	9.99E-05	7.78E-05	5.10E-05
5095	562795.2	4235371	5.39E-04	4.81E-04	9.14E-05	7.71E-05	4.35E-04	3.53E-04	7.13E-05	6.84E-05	5.32E-05	3.49E-05
5096	562803.7	4235375	5.53E-04	4.93E-04	9.38E-05	7.91E-05	4.47E-04	3.62E-04	7.31E-05	7.02E-05	5.46E-05	3.58E-05
5097	562812.1	4235380	5.67E-04	5.06E-04	9.63E-05	8.11E-05	4.58E-04	3.71E-04	7.50E-05	7.20E-05	5.60E-05	3.68E-05
5098	562820.6	4235384	5.81E-04	5.19E-04	9.87E-05	8.31E-05	4.69E-04	3.80E-04	7.69E-05	7.38E-05	5.74E-05	3.77E-05
5099	562829	4235389	5.96E-04	5.31E-04	1.01E-04	8.52E-05	4.81E-04	3.90E-04	7.88E-05	7.56E-05	5.88E-05	3.86E-05
5100	562837.5	4235393	6.10E-04	5.44E-04	1.03E-04	8.72E-05	4.92E-04	3.99E-04	8.06E-05	7.73E-05	6.02E-05	3.95E-05
5101	562845.9	4235398	6.24E-04	5.56E-04	1.06E-04	8.92E-05	5.04E-04	4.08E-04	8.25E-05	7.91E-05	6.16E-05	4.04E-05
5102	562854.4	4235402	6.38E-04	5.69E-04	1.08E-04	9.12E-05	5.15E-04	4.17E-04	8.44E-05	8.10E-05	6.30E-05	4.13E-05
5103	562862.8	4235407	6.56E-04	5.85E-04	1.11E-04	9.38E-05	5.30E-04	4.29E-04	8.68E-05	8.33E-05	6.48E-05	4.25E-05
5104	562871.3	4235412	6.74E-04	6.02E-04	1.14E-04	9.65E-05	5.45E-04	4.41E-04	8.92E-05	8.56E-05	6.66E-05	4.37E-05
5105	562879.7	4235416	6.93E-04	6.18E-04	1.18E-04	9.91E-05	5.59E-04	4.53E-04	9.16E-05	8.79E-05	6.84E-05	4.49E-05
5106	562888.2	4235421	7.09E-04	6.33E-04	1.20E-04	1.01E-04	5.73E-04	4.64E-04	9.38E-05	9.00E-05	7.01E-05	4.60E-05
5107	562896.6	4235425	7.25E-04	6.46E-04	1.23E-04	1.04E-04	5.85E-04	4.74E-04	9.58E-05	9.19E-05	7.16E-05	4.70E-05
5108	562905.1	4235430	7.40E-04	6.60E-04	1.26E-04	1.06E-04	5.97E-04	4.84E-04	9.79E-05	9.39E-05	7.31E-05	4.80E-05
5109	562913.5	4235434	7.56E-04	6.74E-04	1.28E-04	1.08E-04	6.10E-04	4.95E-04	9.99E-05	9.59E-05	7.46E-05	4.90E-05
5110	562922	4235439	7.72E-04	6.88E-04	1.31E-04	1.10E-04	6.23E-04	5.05E-04	1.02E-04	9.79E-05	7.62E-05	5.00E-05
5111	562930.4	4235443	7.88E-04	7.03E-04	1.34E-04	1.13E-04	6.36E-04	5.16E-04	1.04E-04	1.00E-04	7.78E-05	5.11E-05
5112	562938.9	4235448	8.04E-04	7.17E-04	1.36E-04	1.15E-04	6.49E-04	5.26E-04	1.06E-04	1.02E-04	7.94E-05	5.21E-05
5113	562947.3	4235453	8.21E-04	7.32E-04	1.39E-04	1.17E-04	6.63E-04	5.37E-04	1.09E-04	1.04E-04	8.10E-05	5.32E-05
5114	562955.8	4235457	8.37E-04	7.46E-04	1.42E-04	1.20E-04	6.76E-04	5.48E-04	1.11E-04	1.06E-04	8.26E-05	5.42E-05
5115	562964.2	4235462	8.53E-04	7.61E-04	1.45E-04	1.22E-04	6.89E-04	5.58E-04	1.13E-04	1.08E-04	8.42E-05	5.53E-05
5116	562972.7	4235466	8.69E-04	7.75E-04	1.47E-04	1.24E-04	7.01E-04	5.68E-04	1.15E-04	1.10E-04	8.58E-05	5.63E-05
5117	562769.6	4235399	4.87E-04	4.34E-04	8.26E-05	6.96E-05	3.93E-04	3.19E-04	6.44E-05	6.18E-05	4.81E-05	3.16E-05
5118	562763	4235393	4.78E-04	4.26E-04	8.10E-05	6.83E-05	3.86E-04	3.13E-04	6.32E-05	6.06E-05	4.72E-05	3.10E-05
5119	562756.4	4235386	4.68E-04	4.18E-04	7.94E-05	6.70E-05	3.78E-04	3.06E-04	6.19E-05	5.94E-05	4.62E-05	3.03E-05
5120	562749.8	4235379	4.59E-04	4.09E-04	7.78E-05	6.56E-05	3.70E-04	3.00E-04	6.07E-05	5.82E-05	4.53E-05	2.97E-05
5121	562743.2	4235373	4.49E-04	4.01E-04	7.62E-05	6.42E-05	3.63E-04	2.94E-04	5.94E-05	5.70E-05	4.44E-05	2.91E-05
5122	562736.5	4235366	4.39E-04	3.92E-04	7.46E-05	6.28E-05	3.55E-04	2.88E-04	5.81E-05	5.58E-05	4.34E-05	2.85E-05
5123	562729.9	4235360	4.30E-04	3.84E-04	7.29E-05	6.15E-05	3.47E-04	2.81E-04	5.69E-05	5.45E-05	4.25E-05	2.79E-05
5124	562723.3	4235353	4.20E-04	3.75E-04	7.13E-05	6.01E-05	3.39E-04	2.75E-04	5.56E-05	5.33E-05	4.15E-05	2.72E-05
5125	562716.7	4235346	4.11E-04	3.67E-04	6.98E-05	5.88E-05	3.32E-04	2.69E-04	5.44E-05	5.22E-05	4.06E-05	2.66E-05
5126	562710	4235340	4.02E-04	3.59E-04	6.82E-05	5.75E-05	3.25E-04	2.63E-04	5.32E-05	5.10E-05	3.97E-05	2.61E-05
5127	562703.4	4235333	3.93E-04	3.51E-04	6.67E-05	5.63E-05	3.18E-04	2.57E-04	5.20E-05	4.99E-05	3.88E-05	2.55E-05
5128	562696.8	4235327	3.85E-04	3.43E-04	6.53E-05	5.51E-05	3.11E-04	2.52E-04	5.09E-05	4.88E-05	3.80E-05	2.49E-05
5129	562690.2	4235320	3.77E-04	3.36E-04	6.40E-05	5.39E-05	3.04E-04	2.47E-04	4.98E-05	4.78E-05	3.72E-05	2.44E-05
5130	562683.6	4235313	3.69E-04	3.29E-04	6.27E-05	5.28E-05	2.98E-04	2.42E-04	4.88E-05	4.69E-05	3.65E-05	2.39E-05
5131	562676.9	4235307	3.62E-04	3.23E-04	6.14E-05	5.18E-05	2.92E-04	2.37E-04	4.79E-05	4.59E-05	3.58E-05	2.35E-05
5132	562670.3	4235300	3.55E-04	3.17E-04	6.03E-05	5.08E-05	2.87E-04	2.32E-04	4.70E-05	4.51E-05	3.51E-05	2.30E-05
5133	562663.7	4235293	3.49E-04	3.11E-04	5.92E-05	4.99E-05	2.82E-04	2.28E-04	4.61E-05	4.43E-05	3.44E-05	2.26E-05
5134	562657.1	4235287	3.43E-04	3.06E-04	5.82E-05	4.90E-05	2.77E-04	2.24E-04	4.53E-05	4.35E-05	3.39E-05	2.22E-05
5135	562650.5	4235280	3.37E-04	3.01E-04	5.72E-05	4.82E-05	2.72E-04	2.21E-04	4.46E-05	4.28E-05	3.33E-05	2.19E-05
5136	562643.8	4235274	3.32E-04	2.96E-04	5.63E-05	4.75E-05	2.68E-04	2.17E-04	4.39E-05	4.21E-05	3.28E-05	2.15E-05
5137	562637.2	4235267	3.27E-04	2.92E-04	5.55E-05	4.68E-05	2.64E-04	2.14E-04	4.32E-05	4.15E-05	3.23E-05	2.12E-05
5138	562630.6	4235260	3.22E-04	2.87E-04	5.47E-05	4.61E-05	2.60E-04	2.11E-04	4.26E-05	4.09E-05	3.18E-05	2.09E-05
5139	562624	4235254	3.18E-04	2.84E-04	5.39E-05	4.55E-05	2.57E-04	2.08E-04	4.20E-05	4.03E-05	3.14E-05	2.06E-05
5140	562617.4	4235247	3.14E-04	2.80E-04	5.32E-05	4.49E-05	2.53E-04	2.05E-04	4.15E-05	3.98E-05	3.10E-05	2.03E-05
5141	562610.7	4235241	3.10E-04	2.76E-04	5.25E-05	4.43E-05	2.50E-04	2.03E-04	4.09E-05	3.93E-05	3.06E-05	2.01E-05
5142	562604.1	4235234	3.06E-04	2.73E-04	5.19E-05	4.37E-05	2.47E-04	2.00E-04	4.04E-05	3.88E-05	3.02E-05	1.98E-05
5143	562597.5	4235227	3.02E-04	2.69E-04	5.12E-05	4.32E-05	2.44E-04	1.98E-04	3.99E-05	3.83E-05	2.98E-05	1.96E-05
5144	562590.9	4235221	2.98E-04	2.66E-04	5.06E-05	4.26E-05	2.41E-04	1.95E-04	3.94E-05	3.78E-05	2.94E-05	1.93E-05
5145	562584.3	4235214	2.95E-04	2.63E-04	5.00E-05	4.21E-05	2.38E-04	1.93E-04	3.89E-05	3.74E-05	2.91E-05	1.91E-05
5146	562577.6	4235208	2.91E-04	2.60E-04	4.94E-05	4.16E-05	2.35E-04	1.90E-04	3.85E-05	3.69E-05	2.87E-05	1.89E-05
5147	562571	4235201	2.87E-04	2.56E-04	4.88E-05	4.11E-05	2.32E-04	1.88E-04	3.80E-05	3.65E-05	2.84E-05	1.86E-05
5148	562564.4	4235194	2.84E-04	2.53E-04	4.82E-05	4.06E-05	2.29E-04	1.86E-04	3.75E-05	3.60E-05	2.80E-05	1.84E-05
5149	562557.8	4235188	2.80E-04	2.50E-04	4.76E-05	4.01E-05	2.26E-04	1.83E-04	3.71E-05	3.56E-05	2.77E-05	1.82E-05
5150	562551.1	4235181	2.77E-04	2.47E-04	4.70E-05	3.96E-05	2.24E-04	1.81E-04	3.66E-05	3.51E-05	2.73E-05	1.79E-05
5151	562544.5	4235174	2.73E-04	2.44E-04	4.64E-05	3.91E-05	2.21E-04	1.79E-04	3.62E-05	3.47E-05	2.70E-05	1.77E-05
5152	562537.9	4235168	2.70E-04	2.41E-04	4.58E-05	3.86E-05	2.18E-04	1.77E-04	3.57E-05	3.43E-05	2.67E-05	1.75E-05
5153	562531.3	4235161	2.67E-04	2.38E-04	4.53E-05	3.82E-05	2.16E-04	1.75E-04	3.53E-05	3.39E-05	2.64E-05	1.73E-05
5154	562522.8	4235145	2.64E-04	2.35E-04	4.48E-05	3.77E-05	2.13E-04	1.73E-04	3.49E-05	3.35E-05	2.61E-05	1.71E-05
5155	562520.9	4235136	2.64E-04	2.36E-04	4.48E-05	3.78E-05	2.13E-04	1.73E-04	3.49E-05	3.35E-05	2.61E-05	1.71E-05

5156	562519	4235127	2.65E-04	2.36E-04	4.49E-05	3.78E-05	2.14E-04	1.73E-04	3.50E-05	3.36E-05	2.61E-05	1.72E-05
5157	562517.1	4235118	2.65E-04	2.37E-04	4.50E-05	3.79E-05	2.14E-04	1.74E-04	3.51E-05	3.37E-05	2.62E-05	1.72E-05
5158	562515.2	4235109	2.66E-04	2.38E-04	4.52E-05	3.81E-05	2.15E-04	1.74E-04	3.52E-05	3.38E-05	2.63E-05	1.73E-05
5159	562513.3	4235100	2.68E-04	2.39E-04	4.54E-05	3.83E-05	2.16E-04	1.75E-04	3.54E-05	3.40E-05	2.64E-05	1.73E-05
5160	562511.4	4235091	2.69E-04	2.40E-04	4.57E-05	3.85E-05	2.17E-04	1.76E-04	3.56E-05	3.42E-05	2.66E-05	1.75E-05
5161	562509.5	4235081	2.71E-04	2.42E-04	4.61E-05	3.88E-05	2.19E-04	1.78E-04	3.59E-05	3.44E-05	2.68E-05	1.76E-05
5162	562507.6	4235072	2.74E-04	2.44E-04	4.65E-05	3.92E-05	2.21E-04	1.79E-04	3.62E-05	3.48E-05	2.71E-05	1.78E-05
5163	562505.7	4235063	2.77E-04	2.47E-04	4.70E-05	3.96E-05	2.24E-04	1.81E-04	3.67E-05	3.52E-05	2.74E-05	1.80E-05
5164	562503.8	4235054	2.81E-04	2.51E-04	4.77E-05	4.02E-05	2.27E-04	1.84E-04	3.72E-05	3.57E-05	2.78E-05	1.82E-05
5165	562501.9	4235045	2.86E-04	2.55E-04	4.84E-05	4.08E-05	2.31E-04	1.87E-04	3.78E-05	3.62E-05	2.82E-05	1.85E-05
5166	562500	4235036	2.91E-04	2.59E-04	4.93E-05	4.16E-05	2.35E-04	1.90E-04	3.84E-05	3.69E-05	2.87E-05	1.88E-05
5167	562498.1	4235026	2.97E-04	2.65E-04	5.03E-05	4.24E-05	2.40E-04	1.94E-04	3.92E-05	3.76E-05	2.93E-05	1.92E-05
5168	562496.2	4235017	3.04E-04	2.71E-04	5.15E-05	4.34E-05	2.45E-04	1.99E-04	4.01E-05	3.85E-05	3.00E-05	1.97E-05
5169	562494.3	4235008	3.11E-04	2.78E-04	5.28E-05	4.45E-05	2.51E-04	2.04E-04	4.12E-05	3.95E-05	3.07E-05	2.02E-05
5170	562492.4	4234999	3.20E-04	2.85E-04	5.43E-05	4.57E-05	2.58E-04	2.09E-04	4.23E-05	4.06E-05	3.16E-05	2.07E-05
5171	562490.5	4234990	3.29E-04	2.94E-04	5.59E-05	4.71E-05	2.66E-04	2.16E-04	4.35E-05	4.18E-05	3.25E-05	2.13E-05
5172	562488.6	4234981	3.40E-04	3.03E-04	5.77E-05	4.86E-05	2.74E-04	2.22E-04	4.49E-05	4.31E-05	3.36E-05	2.20E-05
5173	562486.7	4234971	3.51E-04	3.13E-04	5.96E-05	5.02E-05	2.84E-04	2.30E-04	4.65E-05	4.46E-05	3.47E-05	2.28E-05
5174	562484.8	4234962	3.64E-04	3.25E-04	6.17E-05	5.20E-05	2.94E-04	2.38E-04	4.81E-05	4.62E-05	3.59E-05	2.36E-05
5175	562482.8	4234953	3.78E-04	3.37E-04	6.41E-05	5.40E-05	3.05E-04	2.47E-04	4.99E-05	4.79E-05	3.73E-05	2.45E-05
5176	562480.9	4234944	3.92E-04	3.50E-04	6.66E-05	5.61E-05	3.17E-04	2.57E-04	5.19E-05	4.98E-05	3.88E-05	2.54E-05
5177	562479	4234935	4.08E-04	3.64E-04	6.92E-05	5.84E-05	3.29E-04	2.67E-04	5.40E-05	5.18E-05	4.03E-05	2.64E-05
5178	562477.1	4234926	4.23E-04	3.77E-04	7.17E-05	6.05E-05	3.41E-04	2.77E-04	5.59E-05	5.37E-05	4.18E-05	2.74E-05
5179	562475.2	4234916	4.38E-04	3.91E-04	7.43E-05	6.27E-05	3.54E-04	2.87E-04	5.79E-05	5.56E-05	4.33E-05	2.84E-05
5180	562473.3	4234907	4.54E-04	4.05E-04	7.70E-05	6.49E-05	3.66E-04	2.97E-04	6.00E-05	5.76E-05	4.48E-05	2.94E-05
5181	562471.4	4234898	4.72E-04	4.21E-04	8.01E-05	6.75E-05	3.81E-04	3.09E-04	6.24E-05	5.99E-05	4.66E-05	3.06E-05
5182	562469.5	4234889	4.92E-04	4.39E-04	8.35E-05	7.04E-05	3.97E-04	3.22E-04	6.51E-05	6.24E-05	4.86E-05	3.19E-05
5183	562467.6	4234880	5.14E-04	4.59E-04	8.73E-05	7.35E-05	4.15E-04	3.37E-04	6.80E-05	6.53E-05	5.08E-05	3.33E-05
5184	562465.7	4234871	5.42E-04	4.84E-04	9.20E-05	7.75E-05	4.38E-04	3.55E-04	7.17E-05	6.88E-05	5.35E-05	3.51E-05
5185	562463.8	4234861	5.75E-04	5.13E-04	9.76E-05	8.22E-05	4.64E-04	3.76E-04	7.60E-05	7.30E-05	5.68E-05	3.73E-05
5186	562461.9	4234852	6.10E-04	5.44E-04	1.04E-04	8.72E-05	4.93E-04	3.99E-04	8.07E-05	7.74E-05	6.02E-05	3.95E-05
5187	562460	4234843	6.44E-04	5.75E-04	1.09E-04	9.21E-05	5.20E-04	4.22E-04	8.52E-05	8.17E-05	6.36E-05	4.18E-05
5188	562458.1	4234834	6.76E-04	6.03E-04	1.15E-04	9.66E-05	5.46E-04	4.42E-04	8.94E-05	8.57E-05	6.67E-05	4.38E-05
5189	562456.2	4234825	7.08E-04	6.32E-04	1.20E-04	1.01E-04	5.72E-04	4.63E-04	9.37E-05	8.99E-05	7.00E-05	4.59E-05
5190	562454.3	4234816	7.42E-04	6.62E-04	1.26E-04	1.06E-04	5.99E-04	4.86E-04	9.81E-05	9.41E-05	7.33E-05	4.81E-05
5191	562776.3	4235406	4.96E-04	4.42E-04	8.41E-05	7.09E-05	4.00E-04	3.24E-04	6.56E-05	6.29E-05	4.90E-05	3.21E-05
5192	562784.7	4235410	5.08E-04	4.53E-04	8.62E-05	7.27E-05	4.10E-04	3.33E-04	6.72E-05	6.45E-05	5.02E-05	3.29E-05
5193	562793.2	4235415	5.20E-04	4.64E-04	8.83E-05	7.44E-05	4.20E-04	3.41E-04	6.88E-05	6.60E-05	5.14E-05	3.37E-05
5194	562801.6	4235419	5.32E-04	4.75E-04	9.03E-05	7.61E-05	4.30E-04	3.48E-04	7.04E-05	6.76E-05	5.26E-05	3.45E-05
5195	562810.1	4235424	5.44E-04	4.86E-04	9.24E-05	7.79E-05	4.40E-04	3.56E-04	7.20E-05	6.91E-05	5.38E-05	3.53E-05
5196	562818.5	4235429	5.56E-04	4.96E-04	9.44E-05	7.96E-05	4.49E-04	3.64E-04	7.36E-05	7.06E-05	5.49E-05	3.61E-05
5197	562827	4235433	5.68E-04	5.07E-04	9.64E-05	8.13E-05	4.59E-04	3.72E-04	7.52E-05	7.21E-05	5.61E-05	3.68E-05
5198	562835.4	4235438	5.80E-04	5.18E-04	9.84E-05	8.30E-05	4.68E-04	3.80E-04	7.67E-05	7.36E-05	5.73E-05	3.76E-05
5199	562843.9	4235442	5.92E-04	5.28E-04	1.00E-04	8.47E-05	4.78E-04	3.87E-04	7.83E-05	7.51E-05	5.85E-05	3.84E-05
5200	562852.3	4235447	6.04E-04	5.39E-04	1.02E-04	8.64E-05	4.88E-04	3.95E-04	7.99E-05	7.66E-05	5.97E-05	3.91E-05
5201	562860.8	4235451	6.19E-04	5.52E-04	1.05E-04	8.85E-05	4.99E-04	4.05E-04	8.18E-05	7.85E-05	6.11E-05	4.01E-05
5202	562869.2	4235456	6.33E-04	5.64E-04	1.07E-04	9.05E-05	5.11E-04	4.14E-04	8.37E-05	8.03E-05	6.25E-05	4.10E-05
5203	562877.7	4235460	6.46E-04	5.76E-04	1.10E-04	9.24E-05	5.22E-04	4.23E-04	8.55E-05	8.20E-05	6.38E-05	4.19E-05
5204	562886.1	4235465	6.59E-04	5.88E-04	1.12E-04	9.43E-05	5.32E-04	4.31E-04	8.72E-05	8.36E-05	6.51E-05	4.27E-05
5205	562894.6	4235470	6.73E-04	6.01E-04	1.14E-04	9.63E-05	5.44E-04	4.41E-04	8.90E-05	8.54E-05	6.65E-05	4.36E-05
5206	562903	4235474	6.89E-04	6.14E-04	1.17E-04	9.85E-05	5.56E-04	4.51E-04	9.11E-05	8.74E-05	6.80E-05	4.46E-05
5207	562911.5	4235479	7.05E-04	6.29E-04	1.20E-04	1.01E-04	5.70E-04	4.62E-04	9.33E-05	8.95E-05	6.97E-05	4.57E-05
5208	562919.9	4235483	7.20E-04	6.42E-04	1.22E-04	1.03E-04	5.81E-04	4.71E-04	9.52E-05	9.14E-05	7.11E-05	4.67E-05
5209	562928.4	4235488	7.34E-04	6.55E-04	1.25E-04	1.05E-04	5.93E-04	4.80E-04	9.71E-05	9.32E-05	7.25E-05	4.76E-05
5210	562936.8	4235492	7.48E-04	6.67E-04	1.27E-04	1.07E-04	6.04E-04	4.90E-04	9.89E-05	9.49E-05	7.39E-05	4.85E-05
5211	562945.3	4235497	7.62E-04	6.80E-04	1.29E-04	1.09E-04	6.15E-04	4.99E-04	1.01E-04	9.67E-05	7.53E-05	4.94E-05
5212	562953.7	4235501	7.76E-04	6.92E-04	1.32E-04	1.11E-04	6.27E-04	5.08E-04	1.03E-04	9.85E-05	7.66E-05	5.03E-05
5213	562750.6	4235434	4.50E-04	4.02E-04	7.64E-05	6.44E-05	3.64E-04	2.95E-04	5.96E-05	5.71E-05	4.45E-05	2.92E-05
5214	562743.9	4235428	4.42E-04	3.94E-04	7.50E-05	6.32E-05	3.57E-04	2.89E-04	5.85E-05	5.61E-05	4.37E-05	2.87E-05
5215	562737.2	4235421	4.34E-04	3.87E-04	7.36E-05	6.20E-05	3.50E-04	2.84E-04	5.74E-05	5.50E-05	4.28E-05	2.81E-05
5216	562730.5	4235414	4.25E-04	3.79E-04	7.22E-05	6.08E-05	3.43E-04	2.78E-04	5.62E-05	5.40E-05	4.20E-05	2.76E-05
5217	562723.8	4235408	4.17E-04	3.72E-04	7.07E-05	5.96E-05	3.36E-04	2.73E-04	5.51E-05	5.29E-05	4.11E-05	2.70E-05
5218	562717.1	4235401	4.08E-04	3.64E-04	6.92E-05	5.83E-05	3.29E-04	2.67E-04	5.39E-05	5.18E-05	4.03E-05	2.64E-05
5219	562710.4	4235394	3.99E-04	3.56E-04	6.77E-05	5.71E-05	3.22E-04	2.61E-04	5.28E-05	5.07E-05	3.94E-05	2.59E-05
5220	562703.7	4235388	3.91E-04	3.49E-04	6.63E-05	5.59E-05	3.15E-04	2.56E-04	5.17E-05	4.96E-05	3.86E-05	2.53E-05
5221	562697	4235381	3.82E-04	3.41E-04	6.49E-05	5.47E-05	3.09E-04	2.50E-04	5.05E-05	4.85E-05	3.77E-05	2.48E-05
5222	562690.3	4235374	3.74E-04	3.34E-04	6.35E-05	5.35E-05	3.02E-04	2.45E-04	4.95E-05	4.75E-05	3.69E-05	2.42E-05

5223	562683.6	4235368	3.66E-04	3.26E-04	6.21E-05	5.23E-05	2.95E-04	2.39E-04	4.84E-05	4.64E-05	3.61E-05	2.37E-05
5224	562676.9	4235361	3.58E-04	3.20E-04	6.08E-05	5.12E-05	2.89E-04	2.34E-04	4.74E-05	4.54E-05	3.54E-05	2.32E-05
5225	562670.3	4235354	3.51E-04	3.13E-04	5.95E-05	5.02E-05	2.83E-04	2.30E-04	4.64E-05	4.45E-05	3.46E-05	2.27E-05
5226	562663.6	4235347	3.44E-04	3.07E-04	5.83E-05	4.91E-05	2.77E-04	2.25E-04	4.54E-05	4.36E-05	3.39E-05	2.23E-05
5227	562656.9	4235341	3.37E-04	3.01E-04	5.72E-05	4.82E-05	2.72E-04	2.21E-04	4.46E-05	4.28E-05	3.33E-05	2.18E-05
5228	562650.2	4235334	3.31E-04	2.95E-04	5.61E-05	4.73E-05	2.67E-04	2.16E-04	4.37E-05	4.20E-05	3.27E-05	2.14E-05
5229	562643.5	4235327	3.25E-04	2.90E-04	5.51E-05	4.64E-05	2.62E-04	2.13E-04	4.29E-05	4.12E-05	3.21E-05	2.10E-05
5230	562636.8	4235321	3.19E-04	2.85E-04	5.42E-05	4.56E-05	2.58E-04	2.09E-04	4.22E-05	4.05E-05	3.15E-05	2.07E-05
5231	562630.1	4235314	3.14E-04	2.80E-04	5.33E-05	4.49E-05	2.54E-04	2.05E-04	4.15E-05	3.98E-05	3.10E-05	2.03E-05
5232	562623.4	4235307	3.09E-04	2.76E-04	5.24E-05	4.42E-05	2.50E-04	2.02E-04	4.09E-05	3.92E-05	3.05E-05	2.00E-05
5233	562616.7	4235301	3.05E-04	2.72E-04	5.17E-05	4.36E-05	2.46E-04	1.99E-04	4.03E-05	3.86E-05	3.01E-05	1.97E-05
5234	562610	4235294	3.00E-04	2.68E-04	5.10E-05	4.29E-05	2.42E-04	1.97E-04	3.97E-05	3.81E-05	2.97E-05	1.95E-05
5235	562603.3	4235287	2.96E-04	2.64E-04	5.03E-05	4.24E-05	2.39E-04	1.94E-04	3.92E-05	3.76E-05	2.93E-05	1.92E-05
5236	562596.6	4235281	2.93E-04	2.61E-04	4.96E-05	4.18E-05	2.36E-04	1.91E-04	3.87E-05	3.71E-05	2.89E-05	1.90E-05
5237	562589.9	4235274	2.89E-04	2.58E-04	4.90E-05	4.13E-05	2.33E-04	1.89E-04	3.82E-05	3.67E-05	2.85E-05	1.87E-05
5238	562583.2	4235267	2.85E-04	2.54E-04	4.84E-05	4.08E-05	2.30E-04	1.87E-04	3.77E-05	3.62E-05	2.82E-05	1.85E-05
5239	562576.5	4235261	2.80E-04	2.50E-04	4.75E-05	4.00E-05	2.26E-04	1.83E-04	3.70E-05	3.55E-05	2.76E-05	1.81E-05
5240	562569.8	4235254	2.76E-04	2.46E-04	4.68E-05	3.95E-05	2.23E-04	1.81E-04	3.65E-05	3.50E-05	2.72E-05	1.79E-05
5241	562563.1	4235247	2.73E-04	2.43E-04	4.63E-05	3.90E-05	2.20E-04	1.79E-04	3.61E-05	3.46E-05	2.70E-05	1.77E-05
5242	562556.4	4235241	2.71E-04	2.42E-04	4.60E-05	3.88E-05	2.19E-04	1.77E-04	3.58E-05	3.44E-05	2.68E-05	1.76E-05
5243	562549.7	4235234	2.68E-04	2.39E-04	4.55E-05	3.83E-05	2.16E-04	1.75E-04	3.54E-05	3.40E-05	2.65E-05	1.74E-05
5244	562543	4235227	2.64E-04	2.35E-04	4.47E-05	3.77E-05	2.13E-04	1.73E-04	3.49E-05	3.35E-05	2.60E-05	1.71E-05
5245	562536.3	4235220	2.60E-04	2.32E-04	4.42E-05	3.72E-05	2.10E-04	1.70E-04	3.44E-05	3.30E-05	2.57E-05	1.69E-05
5246	562529.6	4235214	2.58E-04	2.30E-04	4.38E-05	3.69E-05	2.08E-04	1.69E-04	3.41E-05	3.27E-05	2.55E-05	1.67E-05
5247	562523	4235207	2.56E-04	2.29E-04	4.35E-05	3.67E-05	2.07E-04	1.68E-04	3.39E-05	3.25E-05	2.53E-05	1.66E-05
5248	562516.3	4235200	2.52E-04	2.25E-04	4.27E-05	3.60E-05	2.03E-04	1.65E-04	3.33E-05	3.19E-05	2.49E-05	1.63E-05
5249	562509.6	4235194	2.48E-04	2.21E-04	4.21E-05	3.55E-05	2.00E-04	1.62E-04	3.28E-05	3.15E-05	2.45E-05	1.61E-05
5250	562502.9	4235187	2.45E-04	2.19E-04	4.16E-05	3.51E-05	1.98E-04	1.60E-04	3.24E-05	3.11E-05	2.42E-05	1.59E-05
5251	562496.2	4235180	2.43E-04	2.17E-04	4.13E-05	3.48E-05	1.97E-04	1.59E-04	3.22E-05	3.09E-05	2.40E-05	1.58E-05
5252	562487.6	4235164	2.41E-04	2.15E-04	4.08E-05	3.44E-05	1.94E-04	1.57E-04	3.18E-05	3.05E-05	2.38E-05	1.56E-05
5253	562485.6	4235155	2.41E-04	2.15E-04	4.09E-05	3.45E-05	1.95E-04	1.58E-04	3.19E-05	3.06E-05	2.38E-05	1.56E-05
5254	562483.7	4235146	2.42E-04	2.16E-04	4.11E-05	3.46E-05	1.95E-04	1.58E-04	3.20E-05	3.07E-05	2.39E-05	1.57E-05
5255	562481.8	4235137	2.42E-04	2.16E-04	4.11E-05	3.47E-05	1.96E-04	1.59E-04	3.21E-05	3.08E-05	2.39E-05	1.57E-05
5256	562479.9	4235127	2.43E-04	2.17E-04	4.12E-05	3.48E-05	1.96E-04	1.59E-04	3.21E-05	3.08E-05	2.40E-05	1.58E-05
5257	562477.9	4235118	2.44E-04	2.18E-04	4.14E-05	3.49E-05	1.97E-04	1.60E-04	3.23E-05	3.10E-05	2.41E-05	1.58E-05
5258	562476	4235109	2.45E-04	2.19E-04	4.16E-05	3.51E-05	1.98E-04	1.60E-04	3.24E-05	3.11E-05	2.42E-05	1.59E-05
5259	562474.1	4235100	2.47E-04	2.20E-04	4.19E-05	3.53E-05	1.99E-04	1.62E-04	3.26E-05	3.13E-05	2.44E-05	1.60E-05
5260	562472.2	4235090	2.49E-04	2.22E-04	4.22E-05	3.56E-05	2.01E-04	1.63E-04	3.29E-05	3.16E-05	2.46E-05	1.61E-05
5261	562470.3	4235081	2.51E-04	2.24E-04	4.26E-05	3.59E-05	2.03E-04	1.64E-04	3.32E-05	3.19E-05	2.48E-05	1.63E-05
5262	562468.3	4235072	2.54E-04	2.27E-04	4.31E-05	3.64E-05	2.05E-04	1.66E-04	3.36E-05	3.23E-05	2.51E-05	1.65E-05
5263	562466.4	4235062	2.58E-04	2.30E-04	4.37E-05	3.69E-05	2.08E-04	1.69E-04	3.41E-05	3.27E-05	2.55E-05	1.67E-05
5264	562464.5	4235053	2.62E-04	2.34E-04	4.44E-05	3.75E-05	2.12E-04	1.71E-04	3.46E-05	3.32E-05	2.59E-05	1.70E-05
5265	562462.6	4235044	2.67E-04	2.38E-04	4.53E-05	3.82E-05	2.15E-04	1.75E-04	3.53E-05	3.38E-05	2.63E-05	1.73E-05
5266	562460.6	4235035	2.72E-04	2.43E-04	4.62E-05	3.89E-05	2.20E-04	1.78E-04	3.60E-05	3.45E-05	2.69E-05	1.76E-05
5267	562458.7	4235025	2.78E-04	2.48E-04	4.73E-05	3.98E-05	2.25E-04	1.82E-04	3.68E-05	3.53E-05	2.75E-05	1.80E-05
5268	562456.8	4235016	2.85E-04	2.55E-04	4.84E-05	4.08E-05	2.31E-04	1.87E-04	3.78E-05	3.62E-05	2.82E-05	1.85E-05
5269	562454.9	4235007	2.93E-04	2.62E-04	4.98E-05	4.19E-05	2.37E-04	1.92E-04	3.88E-05	3.72E-05	2.90E-05	1.90E-05
5270	562453	4234998	3.02E-04	2.69E-04	5.12E-05	4.32E-05	2.44E-04	1.98E-04	3.99E-05	3.83E-05	2.98E-05	1.96E-05
5271	562451	4234988	3.11E-04	2.78E-04	5.28E-05	4.45E-05	2.51E-04	2.04E-04	4.12E-05	3.95E-05	3.08E-05	2.02E-05
5272	562449.1	4234979	3.22E-04	2.87E-04	5.46E-05	4.60E-05	2.60E-04	2.11E-04	4.25E-05	4.08E-05	3.18E-05	2.09E-05
5273	562447.2	4234970	3.33E-04	2.97E-04	5.65E-05	4.76E-05	2.69E-04	2.18E-04	4.40E-05	4.23E-05	3.29E-05	2.16E-05
5274	562445.3	4234961	3.44E-04	3.07E-04	5.84E-05	4.92E-05	2.78E-04	2.25E-04	4.55E-05	4.36E-05	3.40E-05	2.23E-05
5275	562443.3	4234951	3.55E-04	3.16E-04	6.02E-05	5.07E-05	2.86E-04	2.32E-04	4.69E-05	4.50E-05	3.50E-05	2.30E-05
5276	562441.4	4234942	3.65E-04	3.26E-04	6.20E-05	5.23E-05	2.95E-04	2.39E-04	4.83E-05	4.64E-05	3.61E-05	2.37E-05
5277	562439.5	4234933	3.77E-04	3.37E-04	6.41E-05	5.40E-05	3.05E-04	2.47E-04	4.99E-05	4.79E-05	3.73E-05	2.45E-05
5278	562437.6	4234924	3.92E-04	3.50E-04	6.65E-05	5.61E-05	3.17E-04	2.57E-04	5.19E-05	4.98E-05	3.87E-05	2.54E-05
5279	562435.7	4234914	4.08E-04	3.64E-04	6.93E-05	5.84E-05	3.30E-04	2.67E-04	5.40E-05	5.18E-05	4.03E-05	2.65E-05
5280	562433.7	4234905	4.27E-04	3.81E-04	7.24E-05	6.10E-05	3.45E-04	2.79E-04	5.64E-05	5.41E-05	4.21E-05	2.77E-05
5281	562431.8	4234896	4.51E-04	4.03E-04	7.66E-05	6.46E-05	3.64E-04	2.95E-04	5.97E-05	5.73E-05	4.46E-05	2.93E-05
5282	562429.9	4234886	4.77E-04	4.26E-04	8.10E-05	6.82E-05	3.85E-04	3.12E-04	6.31E-05	6.05E-05	4.71E-05	3.09E-05
5283	562428	4234877	5.04E-04	4.50E-04	8.55E-05	7.21E-05	4.07E-04	3.30E-04	6.67E-05	6.40E-05	4.98E-05	3.27E-05
5284	562426	4234868	5.28E-04	4.71E-04	8.97E-05	7.56E-05	4.27E-04	3.46E-04	6.99E-05	6.71E-05	5.22E-05	3.42E-05
5285	562424.1	4234859	5.54E-04	4.94E-04	9.39E-05	7.92E-05	4.47E-04	3.62E-04	7.32E-05	7.02E-05	5.47E-05	3.59E-05
5286	562422.2	4234849	5.80E-04	5.17E-04	9.84E-05	8.30E-05	4.68E-04	3.80E-04	7.67E-05	7.36E-05	5.73E-05	3.76E-05
5287	562420.3	4234840	6.08E-04	5.42E-04	1.03E-04	8.69E-05	4.91E-04	3.98E-04	8.04E-05	7.71E-05	6.00E-05	3.94E-05
5288	562418.4	4234831	6.37E-04	5.68E-04	1.08E-04	9.10E-05	5.14E-04	4.17E-04	8.42E-05	8.08E-05	6.29E-05	4.13E-05
5289	562416.4	4234822	6.67E-04	5.95E-04	1.13E-04	9.53E-05	5.38E-04	4.36E-04	8.81E-05	8.46E-05	6.58E-05	4.32E-05

5290	562414.5	4234812	6.97E-04	6.22E-04	1.18E-04	9.97E-05	5.63E-04	4.56E-04	9.22E-05	8.85E-05	6.89E-05	4.52E-05
5291	562757.3	4235441	4.58E-04	4.09E-04	7.78E-05	6.55E-05	3.70E-04	3.00E-04	6.06E-05	5.82E-05	4.53E-05	2.97E-05
5292	562765.7	4235446	4.69E-04	4.18E-04	7.96E-05	6.71E-05	3.79E-04	3.07E-04	6.20E-05	5.95E-05	4.63E-05	3.04E-05
5293	562774.2	4235450	4.80E-04	4.28E-04	8.14E-05	6.86E-05	3.87E-04	3.14E-04	6.34E-05	6.09E-05	4.74E-05	3.11E-05
5294	562782.6	4235455	4.90E-04	4.37E-04	8.32E-05	7.01E-05	3.96E-04	3.21E-04	6.48E-05	6.22E-05	4.84E-05	3.18E-05
5295	562791.1	4235459	5.00E-04	4.46E-04	8.49E-05	7.16E-05	4.04E-04	3.27E-04	6.62E-05	6.35E-05	4.94E-05	3.24E-05
5296	562799.6	4235464	5.11E-04	4.55E-04	8.66E-05	7.30E-05	4.12E-04	3.34E-04	6.75E-05	6.48E-05	5.04E-05	3.31E-05
5297	562808	4235468	5.21E-04	4.65E-04	8.84E-05	7.45E-05	4.20E-04	3.41E-04	6.89E-05	6.61E-05	5.14E-05	3.37E-05
5298	562816.5	4235473	5.31E-04	4.73E-04	9.01E-05	7.59E-05	4.29E-04	3.47E-04	7.02E-05	6.74E-05	5.24E-05	3.44E-05
5299	562824.9	4235477	5.41E-04	4.82E-04	9.18E-05	7.73E-05	4.37E-04	3.54E-04	7.15E-05	6.86E-05	5.34E-05	3.51E-05
5300	562833.4	4235482	5.51E-04	4.91E-04	9.35E-05	7.88E-05	4.45E-04	3.61E-04	7.29E-05	6.99E-05	5.44E-05	3.57E-05
5301	562841.8	4235487	5.61E-04	5.01E-04	9.52E-05	8.03E-05	4.53E-04	3.67E-04	7.42E-05	7.12E-05	5.54E-05	3.64E-05
5302	562850.3	4235491	5.72E-04	5.10E-04	9.70E-05	8.17E-05	4.61E-04	3.74E-04	7.56E-05	7.25E-05	5.64E-05	3.70E-05
5303	562858.7	4235496	5.82E-04	5.19E-04	9.88E-05	8.32E-05	4.70E-04	3.81E-04	7.70E-05	7.39E-05	5.75E-05	3.77E-05
5304	562867.2	4235500	5.93E-04	5.29E-04	1.01E-04	8.48E-05	4.79E-04	3.88E-04	7.84E-05	7.52E-05	5.85E-05	3.84E-05
5305	562875.6	4235505	6.04E-04	5.39E-04	1.02E-04	8.64E-05	4.88E-04	3.95E-04	7.99E-05	7.66E-05	5.96E-05	3.91E-05
5306	562884.1	4235509	6.15E-04	5.49E-04	1.04E-04	8.80E-05	4.97E-04	4.03E-04	8.14E-05	7.81E-05	6.08E-05	3.99E-05
5307	562892.5	4235514	6.29E-04	5.61E-04	1.07E-04	9.00E-05	5.08E-04	4.12E-04	8.32E-05	7.98E-05	6.21E-05	4.08E-05
5308	562901	4235518	6.42E-04	5.73E-04	1.09E-04	9.19E-05	5.19E-04	4.20E-04	8.49E-05	8.15E-05	6.34E-05	4.16E-05
5309	562909.4	4235523	6.55E-04	5.84E-04	1.11E-04	9.37E-05	5.29E-04	4.29E-04	8.66E-05	8.31E-05	6.47E-05	4.24E-05
5310	562917.9	4235528	6.66E-04	5.94E-04	1.13E-04	9.53E-05	5.38E-04	4.36E-04	8.81E-05	8.45E-05	6.58E-05	4.32E-05
5311	562926.3	4235532	6.77E-04	6.04E-04	1.15E-04	9.68E-05	5.46E-04	4.43E-04	8.95E-05	8.59E-05	6.68E-05	4.39E-05
5312	562934.8	4235537	6.88E-04	6.13E-04	1.17E-04	9.83E-05	5.55E-04	4.50E-04	9.09E-05	8.72E-05	6.79E-05	4.46E-05
5313	562731.6	4235470	4.18E-04	3.73E-04	7.10E-05	5.98E-05	3.38E-04	2.74E-04	5.53E-05	5.31E-05	4.13E-05	2.71E-05
5314	562724.8	4235463	4.11E-04	3.67E-04	6.97E-05	5.88E-05	3.32E-04	2.69E-04	5.43E-05	5.21E-05	4.06E-05	2.66E-05
5315	562718	4235456	4.03E-04	3.60E-04	6.85E-05	5.77E-05	3.26E-04	2.64E-04	5.34E-05	5.12E-05	3.98E-05	2.61E-05
5316	562711.3	4235449	3.96E-04	3.53E-04	6.72E-05	5.66E-05	3.20E-04	2.59E-04	5.23E-05	5.02E-05	3.91E-05	2.57E-05
5317	562704.5	4235443	3.88E-04	3.46E-04	6.58E-05	5.55E-05	3.13E-04	2.54E-04	5.13E-05	4.92E-05	3.83E-05	2.51E-05
5318	562697.8	4235436	3.80E-04	3.39E-04	6.45E-05	5.44E-05	3.07E-04	2.49E-04	5.03E-05	4.82E-05	3.75E-05	2.46E-05
5319	562691	4235429	3.72E-04	3.32E-04	6.32E-05	5.32E-05	3.01E-04	2.44E-04	4.92E-05	4.72E-05	3.68E-05	2.41E-05
5320	562684.2	4235422	3.64E-04	3.25E-04	6.18E-05	5.21E-05	2.94E-04	2.38E-04	4.82E-05	4.62E-05	3.60E-05	2.36E-05
5321	562677.5	4235416	3.57E-04	3.18E-04	6.05E-05	5.10E-05	2.88E-04	2.33E-04	4.72E-05	4.53E-05	3.52E-05	2.31E-05
5322	562670.7	4235409	3.48E-04	3.10E-04	5.91E-05	4.98E-05	2.81E-04	2.28E-04	4.60E-05	4.42E-05	3.44E-05	2.26E-05
5323	562663.9	4235402	3.39E-04	3.03E-04	5.76E-05	4.85E-05	2.74E-04	2.22E-04	4.49E-05	4.31E-05	3.35E-05	2.20E-05
5324	562657.2	4235395	3.32E-04	2.97E-04	5.64E-05	4.75E-05	2.68E-04	2.18E-04	4.40E-05	4.22E-05	3.28E-05	2.15E-05
5325	562650.4	4235388	3.27E-04	2.92E-04	5.55E-05	4.67E-05	2.64E-04	2.14E-04	4.32E-05	4.15E-05	3.23E-05	2.12E-05
5326	562643.7	4235382	3.21E-04	2.86E-04	5.45E-05	4.59E-05	2.59E-04	2.10E-04	4.25E-05	4.07E-05	3.17E-05	2.08E-05
5327	562636.9	4235375	3.13E-04	2.79E-04	5.31E-05	4.48E-05	2.53E-04	2.05E-04	4.14E-05	3.97E-05	3.09E-05	2.03E-05
5328	562630.1	4235368	3.07E-04	2.74E-04	5.21E-05	4.39E-05	2.48E-04	2.01E-04	4.06E-05	3.89E-05	3.03E-05	1.99E-05
5329	562623.4	4235361	3.02E-04	2.69E-04	5.12E-05	4.32E-05	2.44E-04	1.98E-04	3.99E-05	3.83E-05	2.98E-05	1.96E-05
5330	562616.6	4235355	2.98E-04	2.66E-04	5.06E-05	4.26E-05	2.41E-04	1.95E-04	3.94E-05	3.78E-05	2.94E-05	1.93E-05
5331	562609.8	4235348	2.92E-04	2.60E-04	4.95E-05	4.17E-05	2.36E-04	1.91E-04	3.86E-05	3.70E-05	2.88E-05	1.89E-05
5332	562603.1	4235341	2.85E-04	2.54E-04	4.84E-05	4.08E-05	2.30E-04	1.87E-04	3.77E-05	3.62E-05	2.81E-05	1.85E-05
5333	562596.3	4235334	2.78E-04	2.48E-04	4.72E-05	3.98E-05	2.25E-04	1.82E-04	3.68E-05	3.53E-05	2.75E-05	1.80E-05
5334	562589.5	4235328	2.72E-04	2.43E-04	4.62E-05	3.89E-05	2.20E-04	1.78E-04	3.60E-05	3.45E-05	2.69E-05	1.76E-05
5335	562582.8	4235321	2.68E-04	2.40E-04	4.56E-05	3.84E-05	2.17E-04	1.76E-04	3.55E-05	3.41E-05	2.65E-05	1.74E-05
5336	562576	4235314	2.66E-04	2.38E-04	4.52E-05	3.81E-05	2.15E-04	1.74E-04	3.52E-05	3.38E-05	2.63E-05	1.73E-05
5337	562569.3	4235307	2.64E-04	2.35E-04	4.47E-05	3.77E-05	2.13E-04	1.72E-04	3.49E-05	3.34E-05	2.60E-05	1.71E-05
5338	562562.5	4235301	2.60E-04	2.32E-04	4.41E-05	3.72E-05	2.10E-04	1.70E-04	3.44E-05	3.30E-05	2.57E-05	1.68E-05
5339	562555.7	4235294	2.55E-04	2.28E-04	4.33E-05	3.65E-05	2.06E-04	1.67E-04	3.37E-05	3.24E-05	2.52E-05	1.65E-05
5340	562549	4235287	2.52E-04	2.25E-04	4.27E-05	3.60E-05	2.03E-04	1.65E-04	3.33E-05	3.19E-05	2.49E-05	1.63E-05
5341	562542.2	4235280	2.49E-04	2.22E-04	4.22E-05	3.56E-05	2.01E-04	1.63E-04	3.29E-05	3.16E-05	2.46E-05	1.61E-05
5342	562535.4	4235274	2.46E-04	2.20E-04	4.18E-05	3.52E-05	1.99E-04	1.61E-04	3.26E-05	3.13E-05	2.43E-05	1.60E-05
5343	562528.7	4235267	2.44E-04	2.17E-04	4.13E-05	3.48E-05	1.97E-04	1.59E-04	3.22E-05	3.09E-05	2.41E-05	1.58E-05
5344	562521.9	4235260	2.41E-04	2.15E-04	4.10E-05	3.45E-05	1.95E-04	1.58E-04	3.19E-05	3.06E-05	2.38E-05	1.56E-05
5345	562515.2	4235253	2.40E-04	2.14E-04	4.07E-05	3.43E-05	1.94E-04	1.57E-04	3.17E-05	3.04E-05	2.37E-05	1.55E-05
5346	562508.4	4235247	2.37E-04	2.12E-04	4.03E-05	3.39E-05	1.92E-04	1.55E-04	3.14E-05	3.01E-05	2.34E-05	1.54E-05
5347	562501.6	4235240	2.34E-04	2.09E-04	3.97E-05	3.34E-05	1.89E-04	1.53E-04	3.09E-05	2.97E-05	2.31E-05	1.52E-05
5348	562494.9	4235233	2.30E-04	2.05E-04	3.91E-05	3.29E-05	1.86E-04	1.51E-04	3.05E-05	2.92E-05	2.27E-05	1.49E-05
5349	562488.1	4235226	2.29E-04	2.04E-04	3.88E-05	3.27E-05	1.85E-04	1.50E-04	3.02E-05	2.90E-05	2.26E-05	1.48E-05
5350	562481.3	4235220	2.27E-04	2.02E-04	3.84E-05	3.24E-05	1.83E-04	1.48E-04	3.00E-05	2.87E-05	2.24E-05	1.47E-05
5351	562474.6	4235213	2.23E-04	1.99E-04	3.79E-05	3.20E-05	1.80E-04	1.46E-04	2.95E-05	2.84E-05	2.21E-05	1.45E-05
5352	562467.8	4235206	2.20E-04	1.96E-04	3.73E-05	3.14E-05	1.77E-04	1.44E-04	2.90E-05	2.79E-05	2.17E-05	1.42E-05
5353	562461	4235199	2.18E-04	1.94E-04	3.69E-05	3.11E-05	1.76E-04	1.42E-04	2.88E-05	2.76E-05	2.15E-05	1.41E-05
5354	562452.3	4235183	2.15E-04	1.92E-04	3.65E-05	3.08E-05	1.74E-04	1.41E-04	2.84E-05	2.73E-05	2.12E-05	1.39E-05
5355	562450.4	4235174	2.15E-04	1.91E-04	3.64E-05	3.07E-05	1.73E-04	1.40E-04	2.84E-05	2.72E-05	2.12E-05	1.39E-05
5356	562448.5	4235165	2.16E-04	1.93E-04	3.66E-05	3.09E-05	1.74E-04	1.41E-04	2.86E-05	2.74E-05	2.13E-05	1.40E-05

5357	562446.5	4235155	2.17E-04	1.94E-04	3.68E-05	3.10E-05	1.75E-04	1.42E-04	2.87E-05	2.75E-05	2.14E-05	1.41E-05
5358	562444.6	4235146	2.18E-04	1.94E-04	3.70E-05	3.12E-05	1.76E-04	1.43E-04	2.88E-05	2.77E-05	2.15E-05	1.41E-05
5359	562442.6	4235137	2.18E-04	1.95E-04	3.70E-05	3.12E-05	1.76E-04	1.43E-04	2.88E-05	2.77E-05	2.15E-05	1.41E-05
5360	562440.7	4235127	2.19E-04	1.95E-04	3.71E-05	3.12E-05	1.76E-04	1.43E-04	2.89E-05	2.77E-05	2.16E-05	1.42E-05
5361	562438.8	4235118	2.19E-04	1.96E-04	3.72E-05	3.13E-05	1.77E-04	1.43E-04	2.90E-05	2.78E-05	2.16E-05	1.42E-05
5362	562436.8	4235108	2.20E-04	1.96E-04	3.74E-05	3.15E-05	1.78E-04	1.44E-04	2.91E-05	2.79E-05	2.17E-05	1.43E-05
5363	562434.9	4235099	2.22E-04	1.98E-04	3.76E-05	3.17E-05	1.79E-04	1.45E-04	2.93E-05	2.81E-05	2.19E-05	1.44E-05
5364	562432.9	4235090	2.24E-04	1.99E-04	3.79E-05	3.20E-05	1.81E-04	1.46E-04	2.96E-05	2.84E-05	2.21E-05	1.45E-05
5365	562431	4235080	2.28E-04	2.03E-04	3.87E-05	3.26E-05	1.84E-04	1.49E-04	3.01E-05	2.89E-05	2.25E-05	1.48E-05
5366	562429	4235071	2.33E-04	2.08E-04	3.96E-05	3.33E-05	1.88E-04	1.53E-04	3.08E-05	2.96E-05	2.30E-05	1.51E-05
5367	562427.1	4235062	2.39E-04	2.13E-04	4.05E-05	3.41E-05	1.93E-04	1.56E-04	3.16E-05	3.03E-05	2.36E-05	1.55E-05
5368	562425.2	4235052	2.44E-04	2.17E-04	4.14E-05	3.49E-05	1.97E-04	1.59E-04	3.22E-05	3.09E-05	2.41E-05	1.58E-05
5369	562423.2	4235043	2.48E-04	2.21E-04	4.21E-05	3.55E-05	2.00E-04	1.62E-04	3.28E-05	3.15E-05	2.45E-05	1.61E-05
5370	562421.3	4235034	2.53E-04	2.26E-04	4.30E-05	3.62E-05	2.05E-04	1.66E-04	3.35E-05	3.22E-05	2.50E-05	1.64E-05
5371	562419.3	4235024	2.59E-04	2.31E-04	4.40E-05	3.71E-05	2.09E-04	1.70E-04	3.43E-05	3.29E-05	2.56E-05	1.68E-05
5372	562417.4	4235015	2.66E-04	2.37E-04	4.51E-05	3.80E-05	2.15E-04	1.74E-04	3.51E-05	3.37E-05	2.62E-05	1.72E-05
5373	562415.5	4235006	2.73E-04	2.43E-04	4.63E-05	3.90E-05	2.20E-04	1.79E-04	3.61E-05	3.46E-05	2.69E-05	1.77E-05
5374	562413.5	4234996	2.81E-04	2.50E-04	4.76E-05	4.02E-05	2.27E-04	1.84E-04	3.71E-05	3.56E-05	2.77E-05	1.82E-05
5375	562411.6	4234987	2.92E-04	2.60E-04	4.95E-05	4.17E-05	2.35E-04	1.91E-04	3.85E-05	3.70E-05	2.88E-05	1.89E-05
5376	562409.6	4234977	3.03E-04	2.71E-04	5.15E-05	4.34E-05	2.45E-04	1.99E-04	4.01E-05	3.85E-05	3.00E-05	1.97E-05
5377	562407.7	4234968	3.17E-04	2.83E-04	5.37E-05	4.53E-05	2.56E-04	2.07E-04	4.19E-05	4.02E-05	3.13E-05	2.05E-05
5378	562405.7	4234959	3.29E-04	2.93E-04	5.58E-05	4.70E-05	2.66E-04	2.15E-04	4.35E-05	4.17E-05	3.25E-05	2.13E-05
5379	562403.8	4234949	3.42E-04	3.05E-04	5.80E-05	4.89E-05	2.76E-04	2.24E-04	4.52E-05	4.34E-05	3.38E-05	2.22E-05
5380	562401.9	4234940	3.55E-04	3.17E-04	6.03E-05	5.08E-05	2.87E-04	2.33E-04	4.70E-05	4.51E-05	3.51E-05	2.30E-05
5381	562399.9	4234931	3.70E-04	3.30E-04	6.28E-05	5.29E-05	2.99E-04	2.42E-04	4.89E-05	4.69E-05	3.65E-05	2.40E-05
5382	562398	4234921	3.86E-04	3.44E-04	6.54E-05	5.51E-05	3.11E-04	2.52E-04	5.10E-05	4.89E-05	3.81E-05	2.50E-05
5383	562396	4234912	4.02E-04	3.59E-04	6.82E-05	5.75E-05	3.25E-04	2.63E-04	5.32E-05	5.10E-05	3.97E-05	2.61E-05
5384	562394.1	4234903	4.20E-04	3.75E-04	7.12E-05	6.00E-05	3.39E-04	2.75E-04	5.55E-05	5.33E-05	4.15E-05	2.72E-05
5385	562392.2	4234893	4.39E-04	3.91E-04	7.44E-05	6.27E-05	3.54E-04	2.87E-04	5.80E-05	5.57E-05	4.33E-05	2.84E-05
5386	562390.2	4234884	4.58E-04	4.09E-04	7.78E-05	6.56E-05	3.70E-04	3.00E-04	6.06E-05	5.82E-05	4.53E-05	2.97E-05
5387	562388.3	4234875	4.79E-04	4.28E-04	8.14E-05	6.86E-05	3.87E-04	3.14E-04	6.34E-05	6.08E-05	4.74E-05	3.11E-05
5388	562386.3	4234865	5.02E-04	4.48E-04	8.51E-05	7.17E-05	4.05E-04	3.28E-04	6.63E-05	6.37E-05	4.95E-05	3.25E-05
5389	562384.4	4234856	5.25E-04	4.68E-04	8.91E-05	7.51E-05	4.24E-04	3.44E-04	6.94E-05	6.66E-05	5.18E-05	3.40E-05
5390	562382.4	4234846	5.49E-04	4.90E-04	9.32E-05	7.86E-05	4.44E-04	3.60E-04	7.27E-05	6.97E-05	5.43E-05	3.56E-05
5391	562380.5	4234837	5.75E-04	5.13E-04	9.76E-05	8.22E-05	4.64E-04	3.76E-04	7.60E-05	7.30E-05	5.68E-05	3.73E-05
5392	562378.6	4234828	6.02E-04	5.37E-04	1.02E-04	8.60E-05	4.86E-04	3.94E-04	7.95E-05	7.63E-05	5.94E-05	3.90E-05
5393	562376.6	4234818	6.29E-04	5.61E-04	1.07E-04	8.99E-05	5.08E-04	4.12E-04	8.32E-05	7.98E-05	6.21E-05	4.08E-05
5394	562374.7	4234809	6.57E-04	5.86E-04	1.12E-04	9.40E-05	5.31E-04	4.30E-04	8.69E-05	8.34E-05	6.49E-05	4.26E-05
5395	562738.3	4235476	4.25E-04	3.79E-04	7.22E-05	6.08E-05	3.43E-04	2.78E-04	5.62E-05	5.40E-05	4.20E-05	2.76E-05
5396	562746.8	4235481	4.35E-04	3.88E-04	7.38E-05	6.22E-05	3.51E-04	2.84E-04	5.75E-05	5.52E-05	4.29E-05	2.82E-05
5397	562755.2	4235485	4.44E-04	3.96E-04	7.53E-05	6.35E-05	3.58E-04	2.91E-04	5.87E-05	5.63E-05	4.38E-05	2.88E-05
5398	562763.7	4235490	4.53E-04	4.04E-04	7.69E-05	6.48E-05	3.66E-04	2.96E-04	5.99E-05	5.75E-05	4.47E-05	2.94E-05
5399	562772.1	4235494	4.62E-04	4.12E-04	7.84E-05	6.61E-05	3.73E-04	3.02E-04	6.11E-05	5.86E-05	4.56E-05	2.99E-05
5400	562780.6	4235499	4.71E-04	4.20E-04	7.99E-05	6.73E-05	3.80E-04	3.08E-04	6.23E-05	5.97E-05	4.65E-05	3.05E-05
5401	562789	4235504	4.79E-04	4.28E-04	8.14E-05	6.86E-05	3.87E-04	3.14E-04	6.34E-05	6.08E-05	4.74E-05	3.11E-05
5402	562797.5	4235508	4.88E-04	4.35E-04	8.28E-05	6.98E-05	3.94E-04	3.19E-04	6.46E-05	6.19E-05	4.82E-05	3.16E-05
5403	562805.9	4235513	4.97E-04	4.43E-04	8.43E-05	7.10E-05	4.01E-04	3.25E-04	6.57E-05	6.30E-05	4.91E-05	3.22E-05
5404	562814.4	4235517	5.05E-04	4.51E-04	8.57E-05	7.23E-05	4.08E-04	3.31E-04	6.68E-05	6.41E-05	4.99E-05	3.27E-05
5405	562822.8	4235522	5.14E-04	4.58E-04	8.72E-05	7.35E-05	4.15E-04	3.36E-04	6.80E-05	6.52E-05	5.08E-05	3.33E-05
5406	562831.3	4235526	5.23E-04	4.66E-04	8.87E-05	7.48E-05	4.22E-04	3.42E-04	6.91E-05	6.63E-05	5.16E-05	3.39E-05
5407	562839.8	4235531	5.32E-04	4.74E-04	9.02E-05	7.60E-05	4.29E-04	3.48E-04	7.03E-05	6.75E-05	5.25E-05	3.45E-05
5408	562848.2	4235535	5.41E-04	4.82E-04	9.18E-05	7.73E-05	4.37E-04	3.54E-04	7.15E-05	6.86E-05	5.34E-05	3.50E-05
5409	562856.7	4235540	5.50E-04	4.91E-04	9.33E-05	7.87E-05	4.44E-04	3.60E-04	7.27E-05	6.98E-05	5.43E-05	3.57E-05
5410	562865.1	4235545	5.60E-04	4.99E-04	9.50E-05	8.00E-05	4.52E-04	3.66E-04	7.40E-05	7.10E-05	5.53E-05	3.63E-05
5411	562873.6	4235549	5.70E-04	5.08E-04	9.66E-05	8.15E-05	4.60E-04	3.73E-04	7.53E-05	7.23E-05	5.62E-05	3.69E-05
5412	562882	4235554	5.80E-04	5.17E-04	9.84E-05	8.29E-05	4.68E-04	3.79E-04	7.67E-05	7.36E-05	5.72E-05	3.76E-05
5413	562890.5	4235558	5.90E-04	5.26E-04	1.00E-04	8.44E-05	4.76E-04	3.86E-04	7.80E-05	7.49E-05	5.83E-05	3.82E-05
5414	562898.9	4235563	6.01E-04	5.36E-04	1.02E-04	8.59E-05	4.85E-04	3.93E-04	7.94E-05	7.62E-05	5.93E-05	3.89E-05
5415	562907.4	4235567	6.11E-04	5.45E-04	1.04E-04	8.74E-05	4.94E-04	4.00E-04	8.08E-05	7.76E-05	6.04E-05	3.96E-05
5416	562915.8	4235572	6.22E-04	5.55E-04	1.06E-04	8.90E-05	5.02E-04	4.07E-04	8.23E-05	7.89E-05	6.14E-05	4.03E-05
5417	563257	4234972	7.73E-03	6.90E-03	1.31E-03	1.11E-03	6.24E-03	5.06E-03	1.02E-03	9.81E-04	7.64E-04	5.01E-04
5418	563263.1	4234980	6.92E-03	6.17E-03	1.17E-03	9.89E-04	5.58E-03	4.53E-03	9.15E-04	8.78E-04	6.83E-04	4.48E-04
5419	563246.5	4234984	7.92E-03	7.06E-03	1.34E-03	1.13E-03	6.39E-03	5.18E-03	1.05E-03	1.00E-03	7.82E-04	5.13E-04
5420	563271.2	4234975	6.55E-03	5.84E-03	1.11E-03	9.37E-04	5.29E-03	4.29E-03	8.66E-04	8.31E-04	6.47E-04	4.24E-04
5421	563269.3	4234988	6.21E-03	5.54E-03	1.05E-03	8.89E-04	5.02E-03	4.07E-03	8.22E-04	7.89E-04	6.14E-04	4.03E-04
5422	563260.6	4234991	6.60E-03	5.89E-03	1.12E-03	9.44E-04	5.33E-03	4.32E-03	8.73E-04	8.38E-04	6.52E-04	4.28E-04
5423	563247.3	4234994	7.32E-03	6.53E-03	1.24E-03	1.05E-03	5.91E-03	4.79E-03	9.68E-04	9.29E-04	7.23E-04	4.74E-04

5424	563238	4234992	8.04E-03	7.17E-03	1.36E-03	1.15E-03	6.49E-03	5.26E-03	1.06E-03	1.02E-03	7.94E-04	5.21E-04
5425	563275.6	4234995	5.62E-03	5.01E-03	9.53E-04	8.03E-04	4.53E-03	3.67E-03	7.43E-04	7.13E-04	5.55E-04	3.64E-04
5426	563266.6	4234999	5.97E-03	5.32E-03	1.01E-03	8.53E-04	4.82E-03	3.90E-03	7.89E-04	7.57E-04	5.89E-04	3.87E-04
5427	563257.5	4235003	6.31E-03	5.63E-03	1.07E-03	9.02E-04	5.09E-03	4.13E-03	8.34E-04	8.00E-04	6.23E-04	4.09E-04
5428	563248.1	4235004	6.78E-03	6.05E-03	1.15E-03	9.70E-04	5.47E-03	4.44E-03	8.97E-04	8.60E-04	6.70E-04	4.39E-04
5429	563238.5	4235002	7.43E-03	6.63E-03	1.26E-03	1.06E-03	6.00E-03	4.86E-03	9.83E-04	9.43E-04	7.34E-04	4.82E-04
5430	563284.2	4234990	5.33E-03	4.75E-03	9.04E-04	7.62E-04	4.30E-03	3.49E-03	7.04E-04	6.76E-04	5.26E-04	3.45E-04
5431	563282	4235003	5.10E-03	4.55E-03	8.65E-04	7.29E-04	4.12E-03	3.34E-03	6.74E-04	6.47E-04	5.04E-04	3.31E-04
5432	563272.7	4235007	5.41E-03	4.83E-03	9.19E-04	7.74E-04	4.37E-03	3.54E-03	7.16E-04	6.87E-04	5.35E-04	3.51E-04
5433	563263.4	4235011	5.72E-03	5.11E-03	9.71E-04	8.18E-04	4.62E-03	3.75E-03	7.57E-04	7.26E-04	5.65E-04	3.71E-04
5434	563249.1	4235014	6.29E-03	5.61E-03	1.07E-03	9.00E-04	5.08E-03	4.12E-03	8.32E-04	7.98E-04	6.21E-04	4.08E-04
5435	563239.1	4235012	6.87E-03	6.13E-03	1.17E-03	9.82E-04	5.54E-03	4.49E-03	9.08E-04	8.71E-04	6.78E-04	4.45E-04
5436	563229.1	4235010	7.47E-03	6.66E-03	1.27E-03	1.07E-03	6.03E-03	4.89E-03	9.88E-04	9.48E-04	7.38E-04	4.84E-04
5437	563288.4	4235011	4.65E-03	4.15E-03	7.90E-04	6.65E-04	3.76E-03	3.05E-03	6.15E-04	5.90E-04	4.60E-04	3.02E-04
5438	563278.9	4235015	4.93E-03	4.40E-03	8.37E-04	7.06E-04	3.98E-03	3.23E-03	6.53E-04	6.26E-04	4.87E-04	3.20E-04
5439	563269.4	4235019	5.21E-03	4.65E-03	8.84E-04	7.45E-04	4.21E-03	3.41E-03	6.89E-04	6.61E-04	5.15E-04	3.38E-04
5440	563259.9	4235023	5.48E-03	4.89E-03	9.30E-04	7.84E-04	4.42E-03	3.59E-03	7.25E-04	6.95E-04	5.41E-04	3.55E-04
5441	563250.1	4235024	5.84E-03	5.21E-03	9.91E-04	8.35E-04	4.72E-03	3.82E-03	7.73E-04	7.41E-04	5.77E-04	3.79E-04
5442	563239.9	4235022	6.35E-03	5.67E-03	1.08E-03	9.09E-04	5.13E-03	4.16E-03	8.40E-04	8.06E-04	6.28E-04	4.12E-04
5443	563229.7	4235020	6.90E-03	6.15E-03	1.17E-03	9.86E-04	5.57E-03	4.51E-03	9.12E-04	8.75E-04	6.81E-04	4.47E-04
5444	563297.2	4235005	4.43E-03	3.95E-03	7.51E-04	6.33E-04	3.57E-03	2.90E-03	5.85E-04	5.62E-04	4.37E-04	2.87E-04
5445	563294.9	4235018	4.26E-03	3.80E-03	7.24E-04	6.10E-04	3.44E-03	2.79E-03	5.64E-04	5.41E-04	4.21E-04	2.76E-04
5446	563285.2	4235022	4.52E-03	4.03E-03	7.66E-04	6.46E-04	3.65E-03	2.96E-03	5.97E-04	5.73E-04	4.46E-04	2.93E-04
5447	563275.5	4235027	4.77E-03	4.25E-03	8.09E-04	6.81E-04	3.85E-03	3.12E-03	6.30E-04	6.05E-04	4.71E-04	3.09E-04
5448	563265.9	4235031	5.01E-03	4.47E-03	8.50E-04	7.16E-04	4.04E-03	3.28E-03	6.62E-04	6.36E-04	4.95E-04	3.25E-04
5449	563251	4235034	5.45E-03	4.86E-03	9.25E-04	7.79E-04	4.40E-03	3.57E-03	7.21E-04	6.91E-04	5.38E-04	3.53E-04
5450	563240.7	4235032	5.90E-03	5.27E-03	1.00E-03	8.44E-04	4.77E-03	3.86E-03	7.81E-04	7.49E-04	5.83E-04	3.83E-04
5451	563230.4	4235030	6.39E-03	5.70E-03	1.08E-03	9.14E-04	5.16E-03	4.18E-03	8.45E-04	8.11E-04	6.31E-04	4.14E-04
5452	563220	4235028	6.88E-03	6.14E-03	1.17E-03	9.84E-04	5.55E-03	4.50E-03	9.10E-04	8.73E-04	6.79E-04	4.46E-04
5453	563303.7	4235013	4.06E-03	3.62E-03	6.89E-04	5.81E-04	3.28E-03	2.66E-03	5.37E-04	5.16E-04	4.01E-04	2.63E-04
5454	563301.8	4235026	3.91E-03	3.49E-03	6.64E-04	5.60E-04	3.16E-03	2.56E-03	5.17E-04	4.96E-04	3.86E-04	2.54E-04
5455	563292.9	4235030	4.12E-03	3.67E-03	6.99E-04	5.89E-04	3.32E-03	2.69E-03	5.44E-04	5.22E-04	4.07E-04	2.67E-04
5456	563284	4235033	4.32E-03	3.86E-03	7.33E-04	6.18E-04	3.49E-03	2.83E-03	5.72E-04	5.48E-04	4.27E-04	2.80E-04
5457	563275.1	4235037	4.52E-03	4.03E-03	7.67E-04	6.47E-04	3.65E-03	2.96E-03	5.98E-04	5.74E-04	4.47E-04	2.93E-04
5458	563266.2	4235041	4.72E-03	4.21E-03	8.01E-04	6.75E-04	3.81E-03	3.09E-03	6.24E-04	5.99E-04	4.66E-04	3.06E-04
5459	563252.5	4235044	5.08E-03	4.53E-03	8.62E-04	7.26E-04	4.10E-03	3.32E-03	6.72E-04	6.44E-04	5.01E-04	3.29E-04
5460	563243	4235042	5.45E-03	4.86E-03	9.24E-04	7.79E-04	4.40E-03	3.56E-03	7.20E-04	6.91E-04	5.38E-04	3.53E-04
5461	563233.5	4235040	5.84E-03	5.21E-03	9.91E-04	8.35E-04	4.71E-03	3.82E-03	7.72E-04	7.41E-04	5.77E-04	3.78E-04
5462	563224	4235038	6.24E-03	5.56E-03	1.06E-03	8.92E-04	5.04E-03	4.08E-03	8.25E-04	7.92E-04	6.16E-04	4.04E-04
5463	563214.5	4235037	6.63E-03	5.91E-03	1.12E-03	9.48E-04	5.35E-03	4.34E-03	8.77E-04	8.41E-04	6.55E-04	4.30E-04
5464	563308.2	4235033	3.61E-03	3.22E-03	6.13E-04	5.17E-04	2.92E-03	2.36E-03	4.78E-04	4.58E-04	3.57E-04	2.34E-04
5465	563299.1	4235037	3.80E-03	3.39E-03	6.45E-04	5.43E-04	3.07E-03	2.49E-03	5.02E-04	4.82E-04	3.75E-04	2.46E-04
5466	563290.1	4235041	3.98E-03	3.55E-03	6.76E-04	5.70E-04	3.22E-03	2.61E-03	5.27E-04	5.06E-04	3.93E-04	2.58E-04
5467	563281	4235045	4.17E-03	3.72E-03	7.07E-04	5.96E-04	3.36E-03	2.73E-03	5.51E-04	5.29E-04	4.12E-04	2.70E-04
5468	563272	4235049	4.35E-03	3.88E-03	7.38E-04	6.22E-04	3.51E-03	2.84E-03	5.75E-04	5.52E-04	4.29E-04	2.82E-04
5469	563262.9	4235053	4.52E-03	4.03E-03	7.67E-04	6.46E-04	3.65E-03	2.96E-03	5.98E-04	5.74E-04	4.46E-04	2.93E-04
5470	563253.5	4235054	4.76E-03	4.25E-03	8.08E-04	6.81E-04	3.84E-03	3.12E-03	6.30E-04	6.04E-04	4.70E-04	3.09E-04
5471	563243.8	4235052	5.10E-03	4.55E-03	8.65E-04	7.29E-04	4.11E-03	3.33E-03	6.74E-04	6.47E-04	5.03E-04	3.30E-04
5472	563234.1	4235050	5.45E-03	4.86E-03	9.25E-04	7.80E-04	4.40E-03	3.57E-03	7.21E-04	6.92E-04	5.39E-04	3.53E-04
5473	563224.4	4235048	5.81E-03	5.19E-03	9.86E-04	8.31E-04	4.69E-03	3.80E-03	7.69E-04	7.38E-04	5.74E-04	3.77E-04
5474	563214.8	4235046	6.17E-03	5.50E-03	1.05E-03	8.82E-04	4.98E-03	4.04E-03	8.16E-04	7.83E-04	6.09E-04	4.00E-04
5475	563316.8	4235028	3.46E-03	3.09E-03	5.87E-04	4.95E-04	2.79E-03	2.26E-03	4.58E-04	4.39E-04	3.42E-04	2.24E-04
5476	563321.1	4235049	3.11E-03	2.78E-03	5.28E-04	4.45E-04	2.51E-03	2.04E-03	4.11E-04	3.95E-04	3.07E-04	2.02E-04
5477	563311.8	4235053	3.26E-03	2.91E-03	5.54E-04	4.67E-04	2.63E-03	2.14E-03	4.32E-04	4.14E-04	3.22E-04	2.12E-04
5478	563302.5	4235057	3.42E-03	3.05E-03	5.80E-04	4.89E-04	2.76E-03	2.24E-03	4.52E-04	4.33E-04	3.37E-04	2.21E-04
5479	563293.1	4235061	3.57E-03	3.18E-03	6.05E-04	5.10E-04	2.88E-03	2.34E-03	4.72E-04	4.53E-04	3.52E-04	2.31E-04
5480	563283.8	4235065	3.72E-03	3.32E-03	6.31E-04	5.32E-04	3.00E-03	2.43E-03	4.92E-04	4.72E-04	3.67E-04	2.41E-04
5481	563274.5	4235069	3.87E-03	3.45E-03	6.56E-04	5.53E-04	3.12E-03	2.53E-03	5.11E-04	4.91E-04	3.82E-04	2.51E-04
5482	563265.2	4235073	4.01E-03	3.57E-03	6.80E-04	5.73E-04	3.24E-03	2.62E-03	5.30E-04	5.08E-04	3.96E-04	2.60E-04
5483	563255.5	4235074	4.22E-03	3.76E-03	7.15E-04	6.03E-04	3.40E-03	2.76E-03	5.57E-04	5.35E-04	4.16E-04	2.73E-04
5484	563245.6	4235072	4.50E-03	4.02E-03	7.64E-04	6.44E-04	3.64E-03	2.95E-03	5.96E-04	5.72E-04	4.45E-04	2.92E-04
5485	563235.6	4235070	4.80E-03	4.28E-03	8.14E-04	6.86E-04	3.87E-03	3.14E-03	6.34E-04	6.09E-04	4.74E-04	3.11E-04
5486	563225.6	4235068	5.09E-03	4.54E-03	8.64E-04	7.28E-04	4.11E-03	3.33E-03	6.73E-04	6.46E-04	5.03E-04	3.30E-04
5487	563215.7	4235066	5.38E-03	4.80E-03	9.12E-04	7.69E-04	4.34E-03	3.52E-03	7.11E-04	6.82E-04	5.31E-04	3.48E-04
5488	563205.7	4235064	5.65E-03	5.04E-03	9.59E-04	8.08E-04	4.56E-03	3.70E-03	7.47E-04	7.17E-04	5.58E-04	3.66E-04
5489	563329.8	4235043	2.99E-03	2.67E-03	5.07E-04	4.27E-04	2.41E-03	1.96E-03	3.95E-04	3.79E-04	2.95E-04	1.94E-04
5490	563334	4235064	2.71E-03	2.42E-03	4.60E-04	3.87E-04	2.19E-03	1.77E-03	3.58E-04	3.44E-04	2.68E-04	1.76E-04

5491	563324.5	4235068	2.84E-03	2.53E-03	4.81E-04	4.05E-04	2.29E-03	1.86E-03	3.75E-04	3.60E-04	2.80E-04	1.84E-04
5492	563315	4235072	2.96E-03	2.64E-03	5.03E-04	4.24E-04	2.39E-03	1.94E-03	3.92E-04	3.76E-04	2.92E-04	1.92E-04
5493	563305.5	4235076	3.09E-03	2.75E-03	5.24E-04	4.42E-04	2.49E-03	2.02E-03	4.08E-04	3.92E-04	3.05E-04	2.00E-04
5494	563296	4235080	3.21E-03	2.87E-03	5.45E-04	4.60E-04	2.60E-03	2.10E-03	4.25E-04	4.08E-04	3.17E-04	2.08E-04
5495	563286.5	4235084	3.34E-03	2.98E-03	5.67E-04	4.77E-04	2.70E-03	2.18E-03	4.42E-04	4.24E-04	3.30E-04	2.16E-04
5496	563276.9	4235088	3.46E-03	3.09E-03	5.87E-04	4.95E-04	2.79E-03	2.26E-03	4.58E-04	4.39E-04	3.42E-04	2.24E-04
5497	563267.4	4235093	3.58E-03	3.19E-03	6.07E-04	5.12E-04	2.89E-03	2.34E-03	4.73E-04	4.54E-04	3.53E-04	2.32E-04
5498	563257.6	4235094	3.75E-03	3.35E-03	6.37E-04	5.37E-04	3.03E-03	2.46E-03	4.96E-04	4.76E-04	3.71E-04	2.43E-04
5499	563247.4	4235092	4.00E-03	3.57E-03	6.78E-04	5.72E-04	3.23E-03	2.62E-03	5.29E-04	5.07E-04	3.95E-04	2.59E-04
5500	563237.2	4235090	4.25E-03	3.79E-03	7.21E-04	6.07E-04	3.43E-03	2.78E-03	5.62E-04	5.39E-04	4.19E-04	2.75E-04
5501	563227	4235088	4.49E-03	4.01E-03	7.63E-04	6.43E-04	3.63E-03	2.94E-03	5.94E-04	5.70E-04	4.44E-04	2.91E-04
5502	563216.9	4235086	4.73E-03	4.22E-03	8.02E-04	6.76E-04	3.82E-03	3.09E-03	6.25E-04	6.00E-04	4.67E-04	3.06E-04
5503	563206.7	4235084	4.96E-03	4.42E-03	8.41E-04	7.09E-04	4.00E-03	3.24E-03	6.55E-04	6.29E-04	4.89E-04	3.21E-04
5504	563196.5	4235082	5.16E-03	4.61E-03	8.76E-04	7.38E-04	4.17E-03	3.38E-03	6.83E-04	6.55E-04	5.10E-04	3.35E-04
5505	563342.8	4235058	2.61E-03	2.33E-03	4.43E-04	3.73E-04	2.11E-03	1.71E-03	3.45E-04	3.31E-04	2.58E-04	1.69E-04
5506	563347	4235079	2.38E-03	2.13E-03	4.04E-04	3.41E-04	1.92E-03	1.56E-03	3.15E-04	3.02E-04	2.35E-04	1.54E-04
5507	563337.3	4235083	2.49E-03	2.22E-03	4.22E-04	3.56E-04	2.01E-03	1.63E-03	3.29E-04	3.16E-04	2.46E-04	1.61E-04
5508	563327.6	4235087	2.59E-03	2.31E-03	4.40E-04	3.71E-04	2.09E-03	1.70E-03	3.43E-04	3.29E-04	2.56E-04	1.68E-04
5509	563318	4235092	2.70E-03	2.41E-03	4.58E-04	3.86E-04	2.18E-03	1.77E-03	3.57E-04	3.42E-04	2.67E-04	1.75E-04
5510	563308.3	4235096	2.80E-03	2.50E-03	4.76E-04	4.01E-04	2.26E-03	1.84E-03	3.71E-04	3.56E-04	2.77E-04	1.82E-04
5511	563298.6	4235100	2.91E-03	2.60E-03	4.94E-04	4.16E-04	2.35E-03	1.90E-03	3.85E-04	3.69E-04	2.87E-04	1.89E-04
5512	563289	4235104	3.01E-03	2.69E-03	5.11E-04	4.31E-04	2.43E-03	1.97E-03	3.99E-04	3.82E-04	2.98E-04	1.95E-04
5513	563279.3	4235108	3.12E-03	2.78E-03	5.29E-04	4.46E-04	2.52E-03	2.04E-03	4.12E-04	3.95E-04	3.08E-04	2.02E-04
5514	563269.6	4235112	3.21E-03	2.87E-03	5.45E-04	4.60E-04	2.60E-03	2.10E-03	4.25E-04	4.08E-04	3.17E-04	2.08E-04
5515	563259.6	4235114	3.36E-03	3.00E-03	5.71E-04	4.81E-04	2.72E-03	2.20E-03	4.45E-04	4.27E-04	3.32E-04	2.18E-04
5516	563249.3	4235111	3.57E-03	3.18E-03	6.05E-04	5.10E-04	2.88E-03	2.33E-03	4.71E-04	4.52E-04	3.52E-04	2.31E-04
5517	563239	4235109	3.77E-03	3.37E-03	6.40E-04	5.40E-04	3.05E-03	2.47E-03	4.99E-04	4.79E-04	3.73E-04	2.45E-04
5518	563228.6	4235107	3.98E-03	3.55E-03	6.76E-04	5.70E-04	3.22E-03	2.61E-03	5.27E-04	5.06E-04	3.94E-04	2.58E-04
5519	563218.3	4235105	4.19E-03	3.74E-03	7.11E-04	5.99E-04	3.38E-03	2.74E-03	5.54E-04	5.32E-04	4.14E-04	2.71E-04
5520	563208	4235103	4.38E-03	3.91E-03	7.44E-04	6.27E-04	3.54E-03	2.87E-03	5.79E-04	5.56E-04	4.33E-04	2.84E-04
5521	563197.6	4235101	4.56E-03	4.07E-03	7.74E-04	6.52E-04	3.68E-03	2.98E-03	6.03E-04	5.79E-04	4.50E-04	2.96E-04
5522	563187.3	4235099	4.71E-03	4.20E-03	8.00E-04	6.74E-04	3.80E-03	3.08E-03	6.23E-04	5.98E-04	4.65E-04	3.05E-04
5523	563360.2	4235094	2.11E-03	1.88E-03	3.58E-04	3.02E-04	1.71E-03	1.38E-03	2.79E-04	2.68E-04	2.09E-04	1.37E-04
5524	563350.9	4235098	2.20E-03	1.96E-03	3.73E-04	3.14E-04	1.77E-03	1.44E-03	2.90E-04	2.79E-04	2.17E-04	1.42E-04
5525	563341.5	4235102	2.28E-03	2.03E-03	3.87E-04	3.26E-04	1.84E-03	1.49E-03	3.02E-04	2.89E-04	2.25E-04	1.48E-04
5526	563332.2	4235106	2.36E-03	2.11E-03	4.01E-04	3.38E-04	1.91E-03	1.55E-03	3.13E-04	3.00E-04	2.34E-04	1.53E-04
5527	563322.9	4235110	2.45E-03	2.18E-03	4.16E-04	3.50E-04	1.98E-03	1.60E-03	3.24E-04	3.11E-04	2.42E-04	1.59E-04
5528	563313.6	4235114	2.53E-03	2.26E-03	4.30E-04	3.62E-04	2.05E-03	1.66E-03	3.35E-04	3.22E-04	2.50E-04	1.64E-04
5529	563304.3	4235118	2.62E-03	2.34E-03	4.44E-04	3.74E-04	2.11E-03	1.71E-03	3.46E-04	3.32E-04	2.59E-04	1.70E-04
5530	563294.9	4235122	2.70E-03	2.41E-03	4.59E-04	3.87E-04	2.18E-03	1.77E-03	3.57E-04	3.43E-04	2.67E-04	1.75E-04
5531	563285.6	4235126	2.79E-03	2.49E-03	4.73E-04	3.98E-04	2.25E-03	1.82E-03	3.68E-04	3.54E-04	2.75E-04	1.81E-04
5532	563276.3	4235130	2.87E-03	2.56E-03	4.87E-04	4.10E-04	2.32E-03	1.88E-03	3.79E-04	3.64E-04	2.83E-04	1.86E-04
5533	563262	4235133	3.02E-03	2.70E-03	5.13E-04	4.32E-04	2.44E-03	1.98E-03	4.00E-04	3.84E-04	2.99E-04	1.96E-04
5534	563252	4235131	3.19E-03	2.85E-03	5.41E-04	4.56E-04	2.58E-03	2.09E-03	4.22E-04	4.05E-04	3.15E-04	2.07E-04
5535	563242	4235130	3.36E-03	3.00E-03	5.70E-04	4.80E-04	2.71E-03	2.20E-03	4.44E-04	4.26E-04	3.32E-04	2.18E-04
5536	563232.1	4235128	3.53E-03	3.15E-03	5.99E-04	5.05E-04	2.85E-03	2.31E-03	4.67E-04	4.48E-04	3.49E-04	2.29E-04
5537	563222.1	4235126	3.70E-03	3.30E-03	6.28E-04	5.29E-04	2.99E-03	2.42E-03	4.89E-04	4.69E-04	3.65E-04	2.40E-04
5538	563212.1	4235124	3.86E-03	3.44E-03	6.55E-04	5.52E-04	3.12E-03	2.53E-03	5.11E-04	4.90E-04	3.81E-04	2.50E-04
5539	563202.2	4235122	4.01E-03	3.58E-03	6.80E-04	5.73E-04	3.24E-03	2.62E-03	5.30E-04	5.09E-04	3.96E-04	2.60E-04
5540	563192.2	4235120	4.14E-03	3.69E-03	7.03E-04	5.92E-04	3.34E-03	2.71E-03	5.48E-04	5.26E-04	4.09E-04	2.68E-04
5541	563182.2	4235118	4.25E-03	3.79E-03	7.22E-04	6.08E-04	3.43E-03	2.78E-03	5.62E-04	5.40E-04	4.20E-04	2.76E-04
5542	563172.3	4235116	4.33E-03	3.86E-03	7.34E-04	6.19E-04	3.49E-03	2.83E-03	5.72E-04	5.49E-04	4.27E-04	2.80E-04
5543	563373.1	4235109	1.89E-03	1.68E-03	3.20E-04	2.70E-04	1.52E-03	1.24E-03	2.50E-04	2.40E-04	1.86E-04	1.22E-04
5544	563363.7	4235113	1.96E-03	1.75E-03	3.32E-04	2.80E-04	1.58E-03	1.28E-03	2.59E-04	2.49E-04	1.94E-04	1.27E-04
5545	563354.2	4235117	2.03E-03	1.81E-03	3.45E-04	2.90E-04	1.64E-03	1.33E-03	2.69E-04	2.58E-04	2.01E-04	1.32E-04
5546	563344.8	4235122	2.10E-03	1.88E-03	3.57E-04	3.01E-04	1.70E-03	1.38E-03	2.78E-04	2.67E-04	2.08E-04	1.36E-04
5547	563335.3	4235126	2.17E-03	1.94E-03	3.69E-04	3.11E-04	1.76E-03	1.42E-03	2.88E-04	2.76E-04	2.15E-04	1.41E-04
5548	563325.9	4235130	2.25E-03	2.00E-03	3.81E-04	3.21E-04	1.81E-03	1.47E-03	2.97E-04	2.85E-04	2.22E-04	1.46E-04
5549	563316.4	4235134	2.32E-03	2.07E-03	3.94E-04	3.32E-04	1.87E-03	1.52E-03	3.07E-04	2.94E-04	2.29E-04	1.50E-04
5550	563306.9	4235138	2.39E-03	2.13E-03	4.06E-04	3.42E-04	1.93E-03	1.57E-03	3.16E-04	3.03E-04	2.36E-04	1.55E-04
5551	563297.5	4235142	2.46E-03	2.20E-03	4.18E-04	3.52E-04	1.99E-03	1.61E-03	3.26E-04	3.13E-04	2.43E-04	1.60E-04
5552	563288	4235146	2.53E-03	2.26E-03	4.30E-04	3.63E-04	2.05E-03	1.66E-03	3.35E-04	3.22E-04	2.50E-04	1.64E-04
5553	563278.6	4235150	2.60E-03	2.32E-03	4.41E-04	3.72E-04	2.10E-03	1.70E-03	3.44E-04	3.30E-04	2.57E-04	1.69E-04
5554	563264.1	4235153	2.74E-03	2.44E-03	4.64E-04	3.91E-04	2.21E-03	1.79E-03	3.62E-04	3.47E-04	2.70E-04	1.77E-04
5555	563253.9	4235151	2.88E-03	2.57E-03	4.89E-04	4.12E-04	2.33E-03	1.89E-03	3.81E-04	3.66E-04	2.85E-04	1.87E-04
5556	563243.8	4235149	3.03E-03	2.71E-03	5.15E-04	4.34E-04	2.45E-03	1.98E-03	4.01E-04	3.85E-04	3.00E-04	1.97E-04
5557	563233.7	4235147	3.18E-03	2.84E-03	5.40E-04	4.55E-04	2.57E-03	2.08E-03	4.21E-04	4.04E-04	3.14E-04	2.06E-04

5558	563223.6	4235145	3.33E-03	2.97E-03	5.65E-04	4.76E-04	2.69E-03	2.18E-03	4.40E-04	4.22E-04	3.29E-04	2.16E-04
5559	563213.5	4235143	3.47E-03	3.09E-03	5.88E-04	4.96E-04	2.80E-03	2.27E-03	4.59E-04	4.40E-04	3.42E-04	2.25E-04
5560	563203.4	4235141	3.59E-03	3.20E-03	6.09E-04	5.13E-04	2.90E-03	2.35E-03	4.75E-04	4.56E-04	3.55E-04	2.33E-04
5561	563193.3	4235139	3.70E-03	3.30E-03	6.28E-04	5.29E-04	2.99E-03	2.42E-03	4.89E-04	4.69E-04	3.65E-04	2.40E-04
5562	563183.2	4235137	3.79E-03	3.38E-03	6.43E-04	5.42E-04	3.06E-03	2.48E-03	5.01E-04	4.81E-04	3.74E-04	2.46E-04
5563	563173	4235136	3.86E-03	3.45E-03	6.55E-04	5.52E-04	3.12E-03	2.53E-03	5.11E-04	4.90E-04	3.81E-04	2.50E-04
5564	563162.9	4235134	3.91E-03	3.49E-03	6.63E-04	5.59E-04	3.16E-03	2.56E-03	5.17E-04	4.96E-04	3.86E-04	2.53E-04
5565	563386.1	4235124	1.70E-03	1.52E-03	2.88E-04	2.43E-04	1.37E-03	1.11E-03	2.25E-04	2.16E-04	1.68E-04	1.10E-04
5566	563376.5	4235129	1.76E-03	1.57E-03	2.99E-04	2.52E-04	1.42E-03	1.15E-03	2.33E-04	2.23E-04	1.74E-04	1.14E-04
5567	563367	4235133	1.82E-03	1.62E-03	3.09E-04	2.60E-04	1.47E-03	1.19E-03	2.41E-04	2.31E-04	1.80E-04	1.18E-04
5568	563357.4	4235137	1.88E-03	1.68E-03	3.19E-04	2.69E-04	1.52E-03	1.23E-03	2.49E-04	2.39E-04	1.86E-04	1.22E-04
5569	563347.8	4235141	1.94E-03	1.73E-03	3.29E-04	2.77E-04	1.57E-03	1.27E-03	2.56E-04	2.46E-04	1.92E-04	1.26E-04
5570	563338.3	4235145	2.00E-03	1.78E-03	3.39E-04	2.86E-04	1.61E-03	1.31E-03	2.64E-04	2.54E-04	1.97E-04	1.30E-04
5571	563328.7	4235149	2.06E-03	1.84E-03	3.50E-04	2.95E-04	1.67E-03	1.35E-03	2.73E-04	2.62E-04	2.04E-04	1.34E-04
5572	563319.1	4235153	2.13E-03	1.90E-03	3.61E-04	3.04E-04	1.72E-03	1.39E-03	2.81E-04	2.70E-04	2.10E-04	1.38E-04
5573	563309.5	4235158	2.19E-03	1.96E-03	3.72E-04	3.14E-04	1.77E-03	1.43E-03	2.90E-04	2.78E-04	2.17E-04	1.42E-04
5574	563300	4235162	2.25E-03	2.01E-03	3.83E-04	3.22E-04	1.82E-03	1.48E-03	2.98E-04	2.86E-04	2.23E-04	1.46E-04
5575	563290.4	4235166	2.31E-03	2.06E-03	3.93E-04	3.31E-04	1.87E-03	1.51E-03	3.06E-04	2.94E-04	2.29E-04	1.50E-04
5576	563280.8	4235170	2.37E-03	2.12E-03	4.03E-04	3.39E-04	1.92E-03	1.55E-03	3.14E-04	3.01E-04	2.34E-04	1.54E-04
5577	563266.1	4235173	2.49E-03	2.23E-03	4.23E-04	3.57E-04	2.01E-03	1.63E-03	3.30E-04	3.17E-04	2.46E-04	1.62E-04
5578	563255.9	4235171	2.62E-03	2.34E-03	4.45E-04	3.75E-04	2.12E-03	1.72E-03	3.47E-04	3.33E-04	2.59E-04	1.70E-04
5579	563245.7	4235169	2.75E-03	2.46E-03	4.67E-04	3.94E-04	2.22E-03	1.80E-03	3.64E-04	3.49E-04	2.72E-04	1.78E-04
5580	563235.4	4235167	2.88E-03	2.57E-03	4.89E-04	4.12E-04	2.33E-03	1.88E-03	3.81E-04	3.65E-04	2.84E-04	1.87E-04
5581	563225.2	4235165	3.00E-03	2.68E-03	5.09E-04	4.29E-04	2.42E-03	1.96E-03	3.97E-04	3.81E-04	2.97E-04	1.95E-04
5582	563215	4235163	3.12E-03	2.78E-03	5.30E-04	4.46E-04	2.52E-03	2.04E-03	4.13E-04	3.96E-04	3.08E-04	2.02E-04
5583	563204.7	4235161	3.23E-03	2.88E-03	5.48E-04	4.62E-04	2.61E-03	2.11E-03	4.27E-04	4.10E-04	3.19E-04	2.09E-04
5584	563194.5	4235159	3.33E-03	2.97E-03	5.65E-04	4.76E-04	2.69E-03	2.18E-03	4.40E-04	4.22E-04	3.29E-04	2.16E-04
5585	563184.3	4235157	3.41E-03	3.04E-03	5.78E-04	4.87E-04	2.75E-03	2.23E-03	4.51E-04	4.32E-04	3.36E-04	2.21E-04
5586	563174	4235155	3.47E-03	3.10E-03	5.90E-04	4.97E-04	2.81E-03	2.27E-03	4.60E-04	4.41E-04	3.43E-04	2.25E-04
5587	563163.8	4235153	3.52E-03	3.14E-03	5.98E-04	5.04E-04	2.84E-03	2.31E-03	4.66E-04	4.47E-04	3.48E-04	2.28E-04
5588	563153.6	4235151	3.55E-03	3.16E-03	6.02E-04	5.07E-04	2.86E-03	2.32E-03	4.69E-04	4.50E-04	3.50E-04	2.30E-04
5589	563399.1	4235140	1.53E-03	1.37E-03	2.60E-04	2.19E-04	1.24E-03	1.00E-03	2.03E-04	1.95E-04	1.52E-04	9.95E-05
5590	563389.4	4235144	1.59E-03	1.42E-03	2.69E-04	2.27E-04	1.28E-03	1.04E-03	2.10E-04	2.01E-04	1.57E-04	1.03E-04
5591	563379.7	4235148	1.64E-03	1.46E-03	2.78E-04	2.34E-04	1.32E-03	1.07E-03	2.17E-04	2.08E-04	1.62E-04	1.06E-04
5592	563370.1	4235152	1.69E-03	1.51E-03	2.87E-04	2.42E-04	1.36E-03	1.11E-03	2.24E-04	2.14E-04	1.67E-04	1.10E-04
5593	563360.4	4235156	1.74E-03	1.56E-03	2.96E-04	2.49E-04	1.41E-03	1.14E-03	2.31E-04	2.21E-04	1.72E-04	1.13E-04
5594	563350.7	4235161	1.80E-03	1.60E-03	3.05E-04	2.57E-04	1.45E-03	1.18E-03	2.38E-04	2.28E-04	1.77E-04	1.16E-04
5595	563341.1	4235165	1.85E-03	1.65E-03	3.14E-04	2.65E-04	1.49E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
5596	563331.4	4235169	1.90E-03	1.70E-03	3.23E-04	2.72E-04	1.54E-03	1.25E-03	2.52E-04	2.42E-04	1.88E-04	1.23E-04
5597	563321.7	4235173	1.96E-03	1.75E-03	3.32E-04	2.80E-04	1.58E-03	1.28E-03	2.59E-04	2.48E-04	1.93E-04	1.27E-04
5598	563312.1	4235177	2.01E-03	1.80E-03	3.41E-04	2.88E-04	1.62E-03	1.32E-03	2.66E-04	2.55E-04	1.99E-04	1.30E-04
5599	563302.4	4235182	2.07E-03	1.84E-03	3.51E-04	2.95E-04	1.67E-03	1.35E-03	2.73E-04	2.62E-04	2.04E-04	1.34E-04
5600	563292.7	4235186	2.12E-03	1.89E-03	3.60E-04	3.03E-04	1.71E-03	1.39E-03	2.80E-04	2.69E-04	2.09E-04	1.37E-04
5601	563283.1	4235190	2.17E-03	1.94E-03	3.68E-04	3.10E-04	1.75E-03	1.42E-03	2.87E-04	2.75E-04	2.14E-04	1.41E-04
5602	563268.2	4235193	2.28E-03	2.03E-03	3.86E-04	3.26E-04	1.84E-03	1.49E-03	3.01E-04	2.89E-04	2.25E-04	1.48E-04
5603	563257.9	4235191	2.39E-03	2.13E-03	4.06E-04	3.42E-04	1.93E-03	1.56E-03	3.16E-04	3.03E-04	2.36E-04	1.55E-04
5604	563247.6	4235189	2.50E-03	2.23E-03	4.25E-04	3.58E-04	2.02E-03	1.64E-03	3.31E-04	3.18E-04	2.47E-04	1.62E-04
5605	563237.2	4235187	2.62E-03	2.33E-03	4.44E-04	3.74E-04	2.11E-03	1.71E-03	3.46E-04	3.32E-04	2.58E-04	1.70E-04
5606	563226.9	4235185	2.72E-03	2.43E-03	4.62E-04	3.90E-04	2.20E-03	1.78E-03	3.60E-04	3.46E-04	2.69E-04	1.77E-04
5607	563216.6	4235183	2.83E-03	2.52E-03	4.79E-04	4.04E-04	2.28E-03	1.85E-03	3.74E-04	3.59E-04	2.79E-04	1.83E-04
5608	563206.2	4235181	2.92E-03	2.61E-03	4.96E-04	4.18E-04	2.36E-03	1.91E-03	3.87E-04	3.71E-04	2.89E-04	1.89E-04
5609	563195.9	4235179	3.01E-03	2.69E-03	5.11E-04	4.31E-04	2.43E-03	1.97E-03	3.98E-04	3.82E-04	2.97E-04	1.95E-04
5610	563185.5	4235177	3.09E-03	2.76E-03	5.24E-04	4.42E-04	2.49E-03	2.02E-03	4.08E-04	3.92E-04	3.05E-04	2.00E-04
5611	563175.2	4235175	3.15E-03	2.81E-03	5.35E-04	4.51E-04	2.54E-03	2.06E-03	4.17E-04	4.00E-04	3.11E-04	2.04E-04
5612	563164.9	4235173	3.20E-03	2.85E-03	5.42E-04	4.57E-04	2.58E-03	2.09E-03	4.23E-04	4.06E-04	3.16E-04	2.07E-04
5613	563154.5	4235171	3.22E-03	2.88E-03	5.47E-04	4.61E-04	2.60E-03	2.11E-03	4.26E-04	4.09E-04	3.18E-04	2.09E-04
5614	563144.2	4235169	3.23E-03	2.88E-03	5.48E-04	4.62E-04	2.61E-03	2.11E-03	4.27E-04	4.10E-04	3.19E-04	2.09E-04
5615	563407.9	4235134	1.49E-03	1.33E-03	2.53E-04	2.13E-04	1.20E-03	9.76E-04	1.97E-04	1.89E-04	1.47E-04	9.67E-05
5616	563412.2	4235155	1.39E-03	1.24E-03	2.36E-04	1.99E-04	1.12E-03	9.10E-04	1.84E-04	1.76E-04	1.37E-04	9.01E-05
5617	563402.8	4235159	1.43E-03	1.28E-03	2.43E-04	2.05E-04	1.16E-03	9.38E-04	1.90E-04	1.82E-04	1.42E-04	9.29E-05
5618	563393.4	4235163	1.48E-03	1.32E-03	2.51E-04	2.11E-04	1.19E-03	9.66E-04	1.95E-04	1.87E-04	1.46E-04	9.57E-05
5619	563384	4235167	1.52E-03	1.36E-03	2.58E-04	2.18E-04	1.23E-03	9.96E-04	2.01E-04	1.93E-04	1.50E-04	9.86E-05
5620	563374.5	4235171	1.57E-03	1.40E-03	2.66E-04	2.24E-04	1.27E-03	1.03E-03	2.07E-04	1.99E-04	1.55E-04	1.02E-04
5621	563365.1	4235175	1.61E-03	1.44E-03	2.74E-04	2.31E-04	1.30E-03	1.06E-03	2.14E-04	2.05E-04	1.59E-04	1.05E-04
5622	563355.7	4235179	1.66E-03	1.48E-03	2.81E-04	2.37E-04	1.34E-03	1.09E-03	2.19E-04	2.10E-04	1.64E-04	1.07E-04
5623	563346.3	4235183	1.70E-03	1.52E-03	2.89E-04	2.43E-04	1.37E-03	1.11E-03	2.25E-04	2.16E-04	1.68E-04	1.10E-04
5624	563336.8	4235187	1.75E-03	1.56E-03	2.96E-04	2.50E-04	1.41E-03	1.14E-03	2.31E-04	2.21E-04	1.72E-04	1.13E-04

5625	563327.4	4235192	1.79E-03	1.60E-03	3.04E-04	2.56E-04	1.45E-03	1.17E-03	2.37E-04	2.27E-04	1.77E-04	1.16E-04
5626	563318	4235196	1.83E-03	1.64E-03	3.11E-04	2.62E-04	1.48E-03	1.20E-03	2.43E-04	2.33E-04	1.81E-04	1.19E-04
5627	563308.6	4235200	1.88E-03	1.68E-03	3.19E-04	2.69E-04	1.52E-03	1.23E-03	2.49E-04	2.39E-04	1.86E-04	1.22E-04
5628	563299.1	4235204	1.93E-03	1.72E-03	3.27E-04	2.75E-04	1.56E-03	1.26E-03	2.55E-04	2.44E-04	1.90E-04	1.25E-04
5629	563289.7	4235208	1.97E-03	1.76E-03	3.34E-04	2.82E-04	1.59E-03	1.29E-03	2.61E-04	2.50E-04	1.95E-04	1.28E-04
5630	563280.3	4235212	2.02E-03	1.80E-03	3.42E-04	2.88E-04	1.63E-03	1.32E-03	2.67E-04	2.56E-04	1.99E-04	1.31E-04
5631	563270.5	4235213	2.09E-03	1.86E-03	3.54E-04	2.98E-04	1.68E-03	1.37E-03	2.76E-04	2.65E-04	2.06E-04	1.35E-04
5632	563260.4	4235211	2.18E-03	1.95E-03	3.70E-04	3.12E-04	1.76E-03	1.43E-03	2.89E-04	2.77E-04	2.15E-04	1.41E-04
5633	563250.4	4235209	2.28E-03	2.03E-03	3.87E-04	3.26E-04	1.84E-03	1.49E-03	3.01E-04	2.89E-04	2.25E-04	1.48E-04
5634	563240.3	4235207	2.37E-03	2.12E-03	4.03E-04	3.40E-04	1.92E-03	1.55E-03	3.14E-04	3.01E-04	2.35E-04	1.54E-04
5635	563230.2	4235205	2.47E-03	2.20E-03	4.19E-04	3.53E-04	1.99E-03	1.62E-03	3.27E-04	3.13E-04	2.44E-04	1.60E-04
5636	563220.1	4235203	2.56E-03	2.28E-03	4.35E-04	3.66E-04	2.07E-03	1.68E-03	3.39E-04	3.25E-04	2.53E-04	1.66E-04
5637	563210	4235201	2.65E-03	2.36E-03	4.49E-04	3.79E-04	2.14E-03	1.73E-03	3.50E-04	3.36E-04	2.61E-04	1.72E-04
5638	563200	4235199	2.73E-03	2.43E-03	4.63E-04	3.90E-04	2.20E-03	1.78E-03	3.60E-04	3.46E-04	2.69E-04	1.77E-04
5639	563189.9	4235197	2.80E-03	2.49E-03	4.74E-04	4.00E-04	2.26E-03	1.83E-03	3.70E-04	3.55E-04	2.76E-04	1.81E-04
5640	563179.8	4235195	2.85E-03	2.55E-03	4.84E-04	4.08E-04	2.30E-03	1.87E-03	3.78E-04	3.62E-04	2.82E-04	1.85E-04
5641	563169.7	4235193	2.90E-03	2.59E-03	4.92E-04	4.15E-04	2.34E-03	1.90E-03	3.84E-04	3.68E-04	2.87E-04	1.88E-04
5642	563159.7	4235191	2.93E-03	2.62E-03	4.98E-04	4.20E-04	2.37E-03	1.92E-03	3.88E-04	3.72E-04	2.90E-04	1.90E-04
5643	563149.6	4235189	2.95E-03	2.63E-03	5.01E-04	4.22E-04	2.38E-03	1.93E-03	3.90E-04	3.74E-04	2.91E-04	1.91E-04
5644	563139.5	4235187	2.95E-03	2.63E-03	5.01E-04	4.22E-04	2.38E-03	1.93E-03	3.90E-04	3.74E-04	2.91E-04	1.91E-04
5645	563421	4235149	1.36E-03	1.21E-03	2.30E-04	1.94E-04	1.10E-03	8.88E-04	1.79E-04	1.72E-04	1.34E-04	8.79E-05
5646	563425.2	4235170	1.27E-03	1.13E-03	2.15E-04	1.81E-04	1.02E-03	8.29E-04	1.68E-04	1.61E-04	1.25E-04	8.21E-05
5647	563415.7	4235174	1.30E-03	1.16E-03	2.21E-04	1.87E-04	1.05E-03	8.53E-04	1.72E-04	1.65E-04	1.29E-04	8.45E-05
5648	563406.2	4235178	1.34E-03	1.20E-03	2.28E-04	1.92E-04	1.08E-03	8.78E-04	1.77E-04	1.70E-04	1.32E-04	8.69E-05
5649	563396.7	4235182	1.38E-03	1.23E-03	2.34E-04	1.97E-04	1.11E-03	9.02E-04	1.82E-04	1.75E-04	1.36E-04	8.93E-05
5650	563387.1	4235186	1.42E-03	1.26E-03	2.40E-04	2.03E-04	1.14E-03	9.27E-04	1.87E-04	1.80E-04	1.40E-04	9.19E-05
5651	563377.6	4235191	1.46E-03	1.30E-03	2.47E-04	2.09E-04	1.18E-03	9.54E-04	1.93E-04	1.85E-04	1.44E-04	9.45E-05
5652	563368.1	4235195	1.50E-03	1.34E-03	2.54E-04	2.14E-04	1.21E-03	9.81E-04	1.98E-04	1.90E-04	1.48E-04	9.71E-05
5653	563358.6	4235199	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.01E-03	2.03E-04	1.95E-04	1.52E-04	9.97E-05
5654	563349.1	4235203	1.58E-03	1.41E-03	2.67E-04	2.25E-04	1.27E-03	1.03E-03	2.08E-04	2.00E-04	1.56E-04	1.02E-04
5655	563339.6	4235207	1.61E-03	1.44E-03	2.74E-04	2.31E-04	1.30E-03	1.06E-03	2.13E-04	2.05E-04	1.59E-04	1.05E-04
5656	563330.1	4235211	1.65E-03	1.47E-03	2.81E-04	2.36E-04	1.34E-03	1.08E-03	2.19E-04	2.10E-04	1.63E-04	1.07E-04
5657	563320.5	4235215	1.69E-03	1.51E-03	2.87E-04	2.42E-04	1.37E-03	1.11E-03	2.24E-04	2.15E-04	1.67E-04	1.10E-04
5658	563311	4235219	1.73E-03	1.55E-03	2.94E-04	2.48E-04	1.40E-03	1.13E-03	2.29E-04	2.20E-04	1.71E-04	1.12E-04
5659	563301.5	4235224	1.78E-03	1.58E-03	3.01E-04	2.54E-04	1.43E-03	1.16E-03	2.35E-04	2.25E-04	1.75E-04	1.15E-04
5660	563292	4235228	1.82E-03	1.62E-03	3.08E-04	2.60E-04	1.47E-03	1.19E-03	2.40E-04	2.31E-04	1.80E-04	1.18E-04
5661	563282.5	4235232	1.86E-03	1.66E-03	3.16E-04	2.66E-04	1.50E-03	1.22E-03	2.46E-04	2.36E-04	1.84E-04	1.21E-04
5662	563272.6	4235233	1.93E-03	1.72E-03	3.27E-04	2.75E-04	1.56E-03	1.26E-03	2.55E-04	2.44E-04	1.90E-04	1.25E-04
5663	563262.5	4235231	2.01E-03	1.79E-03	3.41E-04	2.88E-04	1.62E-03	1.32E-03	2.66E-04	2.55E-04	1.99E-04	1.30E-04
5664	563252.3	4235229	2.10E-03	1.87E-03	3.56E-04	3.00E-04	1.69E-03	1.37E-03	2.77E-04	2.66E-04	2.07E-04	1.36E-04
5665	563242.1	4235227	2.18E-03	1.95E-03	3.70E-04	3.12E-04	1.76E-03	1.43E-03	2.89E-04	2.77E-04	2.16E-04	1.41E-04
5666	563231.9	4235225	2.27E-03	2.02E-03	3.85E-04	3.24E-04	1.83E-03	1.48E-03	3.00E-04	2.88E-04	2.24E-04	1.47E-04
5667	563221.7	4235223	2.35E-03	2.10E-03	3.99E-04	3.36E-04	1.90E-03	1.54E-03	3.11E-04	2.98E-04	2.32E-04	1.52E-04
5668	563211.6	4235221	2.43E-03	2.16E-03	4.12E-04	3.47E-04	1.96E-03	1.59E-03	3.21E-04	3.08E-04	2.40E-04	1.57E-04
5669	563201.4	4235219	2.50E-03	2.23E-03	4.24E-04	3.57E-04	2.02E-03	1.63E-03	3.30E-04	3.17E-04	2.47E-04	1.62E-04
5670	563191.2	4235217	2.56E-03	2.28E-03	4.34E-04	3.66E-04	2.07E-03	1.67E-03	3.38E-04	3.25E-04	2.53E-04	1.66E-04
5671	563181	4235215	2.61E-03	2.33E-03	4.43E-04	3.74E-04	2.11E-03	1.71E-03	3.46E-04	3.32E-04	2.58E-04	1.69E-04
5672	563170.9	4235213	2.66E-03	2.37E-03	4.51E-04	3.80E-04	2.15E-03	1.74E-03	3.51E-04	3.37E-04	2.62E-04	1.72E-04
5673	563160.7	4235211	2.69E-03	2.40E-03	4.56E-04	3.84E-04	2.17E-03	1.76E-03	3.56E-04	3.41E-04	2.65E-04	1.74E-04
5674	563150.5	4235209	2.71E-03	2.41E-03	4.59E-04	3.87E-04	2.19E-03	1.77E-03	3.58E-04	3.43E-04	2.67E-04	1.75E-04
5675	563140.3	4235207	2.71E-03	2.42E-03	4.60E-04	3.88E-04	2.19E-03	1.77E-03	3.59E-04	3.44E-04	2.68E-04	1.76E-04
5676	563130.2	4235205	2.70E-03	2.41E-03	4.58E-04	3.86E-04	2.18E-03	1.77E-03	3.57E-04	3.43E-04	2.67E-04	1.75E-04
5677	563434	4235164	1.24E-03	1.10E-03	2.10E-04	1.77E-04	9.99E-04	8.09E-04	1.64E-04	1.57E-04	1.22E-04	8.02E-05
5678	563438.2	4235185	1.16E-03	1.03E-03	1.97E-04	1.66E-04	9.35E-04	7.58E-04	1.53E-04	1.47E-04	1.14E-04	7.51E-05
5679	563428.6	4235189	1.19E-03	1.06E-03	2.02E-04	1.70E-04	9.62E-04	7.80E-04	1.58E-04	1.51E-04	1.18E-04	7.72E-05
5680	563419	4235193	1.22E-03	1.09E-03	2.08E-04	1.75E-04	9.88E-04	8.01E-04	1.62E-04	1.55E-04	1.21E-04	7.93E-05
5681	563409.4	4235198	1.26E-03	1.12E-03	2.13E-04	1.80E-04	1.01E-03	8.22E-04	1.66E-04	1.59E-04	1.24E-04	8.14E-05
5682	563399.8	4235202	1.29E-03	1.15E-03	2.18E-04	1.84E-04	1.04E-03	8.43E-04	1.70E-04	1.63E-04	1.27E-04	8.34E-05
5683	563390.2	4235206	1.32E-03	1.18E-03	2.24E-04	1.89E-04	1.07E-03	8.64E-04	1.75E-04	1.68E-04	1.30E-04	8.56E-05
5684	563380.6	4235210	1.36E-03	1.21E-03	2.30E-04	1.94E-04	1.10E-03	8.89E-04	1.80E-04	1.72E-04	1.34E-04	8.80E-05
5685	563371	4235214	1.39E-03	1.24E-03	2.37E-04	1.99E-04	1.13E-03	9.12E-04	1.84E-04	1.77E-04	1.38E-04	9.03E-05
5686	563361.4	4235218	1.43E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.35E-04	1.89E-04	1.81E-04	1.41E-04	9.26E-05
5687	563351.8	4235223	1.46E-03	1.30E-03	2.48E-04	2.09E-04	1.18E-03	9.57E-04	1.93E-04	1.86E-04	1.44E-04	9.48E-05
5688	563342.2	4235227	1.50E-03	1.34E-03	2.54E-04	2.14E-04	1.21E-03	9.79E-04	1.98E-04	1.90E-04	1.48E-04	9.70E-05
5689	563332.6	4235231	1.53E-03	1.37E-03	2.60E-04	2.19E-04	1.24E-03	1.00E-03	2.03E-04	1.94E-04	1.51E-04	9.93E-05
5690	563323	4235235	1.57E-03	1.40E-03	2.66E-04	2.24E-04	1.27E-03	1.03E-03	2.07E-04	1.99E-04	1.55E-04	1.02E-04
5691	563313.4	4235239	1.60E-03	1.43E-03	2.72E-04	2.30E-04	1.30E-03	1.05E-03	2.12E-04	2.04E-04	1.59E-04	1.04E-04

5692	563303.9	4235243	1.64E-03	1.47E-03	2.79E-04	2.35E-04	1.33E-03	1.08E-03	2.17E-04	2.09E-04	1.62E-04	1.06E-04
5693	563294.3	4235247	1.68E-03	1.50E-03	2.86E-04	2.41E-04	1.36E-03	1.10E-03	2.23E-04	2.14E-04	1.66E-04	1.09E-04
5694	563284.7	4235252	1.72E-03	1.54E-03	2.92E-04	2.46E-04	1.39E-03	1.13E-03	2.28E-04	2.18E-04	1.70E-04	1.12E-04
5695	563274.7	4235253	1.78E-03	1.59E-03	3.02E-04	2.54E-04	1.44E-03	1.16E-03	2.35E-04	2.26E-04	1.76E-04	1.15E-04
5696	563264.5	4235251	1.85E-03	1.65E-03	3.15E-04	2.65E-04	1.50E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
5697	563254.2	4235249	1.93E-03	1.72E-03	3.28E-04	2.76E-04	1.56E-03	1.26E-03	2.55E-04	2.45E-04	1.91E-04	1.25E-04
5698	563243.9	4235247	2.01E-03	1.79E-03	3.41E-04	2.87E-04	1.62E-03	1.31E-03	2.66E-04	2.55E-04	1.98E-04	1.30E-04
5699	563233.7	4235245	2.09E-03	1.86E-03	3.54E-04	2.98E-04	1.68E-03	1.36E-03	2.76E-04	2.65E-04	2.06E-04	1.35E-04
5700	563223.4	4235243	2.16E-03	1.93E-03	3.66E-04	3.09E-04	1.74E-03	1.41E-03	2.85E-04	2.74E-04	2.13E-04	1.40E-04
5701	563213.2	4235241	2.23E-03	1.99E-03	3.78E-04	3.19E-04	1.80E-03	1.46E-03	2.95E-04	2.83E-04	2.20E-04	1.44E-04
5702	563202.9	4235239	2.29E-03	2.05E-03	3.89E-04	3.28E-04	1.85E-03	1.50E-03	3.03E-04	2.91E-04	2.27E-04	1.49E-04
5703	563192.6	4235237	2.35E-03	2.10E-03	3.99E-04	3.36E-04	1.90E-03	1.54E-03	3.11E-04	2.98E-04	2.32E-04	1.52E-04
5704	563182.4	4235235	2.40E-03	2.14E-03	4.08E-04	3.44E-04	1.94E-03	1.57E-03	3.18E-04	3.05E-04	2.37E-04	1.56E-04
5705	563172.1	4235233	2.44E-03	2.18E-03	4.14E-04	3.49E-04	1.97E-03	1.60E-03	3.23E-04	3.10E-04	2.41E-04	1.58E-04
5706	563161.9	4235231	2.47E-03	2.21E-03	4.20E-04	3.54E-04	2.00E-03	1.62E-03	3.27E-04	3.14E-04	2.44E-04	1.60E-04
5707	563151.6	4235229	2.49E-03	2.22E-03	4.23E-04	3.56E-04	2.01E-03	1.63E-03	3.29E-04	3.16E-04	2.46E-04	1.61E-04
5708	563141.3	4235227	2.49E-03	2.22E-03	4.23E-04	3.56E-04	2.01E-03	1.63E-03	3.30E-04	3.16E-04	2.46E-04	1.62E-04
5709	563131.1	4235225	2.48E-03	2.21E-03	4.21E-04	3.55E-04	2.00E-03	1.62E-03	3.28E-04	3.15E-04	2.45E-04	1.61E-04
5710	563120.8	4235223	2.46E-03	2.19E-03	4.17E-04	3.52E-04	1.99E-03	1.61E-03	3.25E-04	3.12E-04	2.43E-04	1.59E-04
5711	563447	4235180	1.13E-03	1.01E-03	1.92E-04	1.62E-04	9.14E-04	7.41E-04	1.50E-04	1.44E-04	1.12E-04	7.34E-05
5712	563464.3	4235216	9.80E-04	8.74E-04	1.66E-04	1.40E-04	7.91E-04	6.41E-04	1.30E-04	1.24E-04	9.68E-05	6.35E-05
5713	563454.8	4235220	1.00E-03	8.96E-04	1.71E-04	1.44E-04	8.11E-04	6.58E-04	1.33E-04	1.28E-04	9.92E-05	6.51E-05
5714	563445.3	4235224	1.03E-03	9.19E-04	1.75E-04	1.47E-04	8.31E-04	6.74E-04	1.36E-04	1.31E-04	1.02E-04	6.67E-05
5715	563435.9	4235228	1.05E-03	9.40E-04	1.79E-04	1.51E-04	8.51E-04	6.90E-04	1.39E-04	1.34E-04	1.04E-04	6.83E-05
5716	563426.4	4235232	1.08E-03	9.62E-04	1.83E-04	1.54E-04	8.70E-04	7.05E-04	1.43E-04	1.37E-04	1.06E-04	6.99E-05
5717	563416.9	4235236	1.10E-03	9.85E-04	1.87E-04	1.58E-04	8.92E-04	7.23E-04	1.46E-04	1.40E-04	1.09E-04	7.16E-05
5718	563407.4	4235240	1.13E-03	1.01E-03	1.92E-04	1.62E-04	9.14E-04	7.41E-04	1.50E-04	1.44E-04	1.12E-04	7.34E-05
5719	563397.9	4235244	1.16E-03	1.03E-03	1.97E-04	1.66E-04	9.36E-04	7.59E-04	1.53E-04	1.47E-04	1.15E-04	7.51E-05
5720	563388.5	4235248	1.18E-03	1.06E-03	2.01E-04	1.69E-04	9.57E-04	7.75E-04	1.57E-04	1.50E-04	1.17E-04	7.68E-05
5721	563379	4235252	1.21E-03	1.08E-03	2.05E-04	1.73E-04	9.77E-04	7.92E-04	1.60E-04	1.53E-04	1.19E-04	7.84E-05
5722	563369.5	4235257	1.23E-03	1.10E-03	2.10E-04	1.77E-04	9.97E-04	8.08E-04	1.63E-04	1.57E-04	1.22E-04	8.00E-05
5723	563360	4235261	1.26E-03	1.13E-03	2.14E-04	1.80E-04	1.02E-03	8.25E-04	1.67E-04	1.60E-04	1.25E-04	8.17E-05
5724	563350.5	4235265	1.29E-03	1.15E-03	2.19E-04	1.84E-04	1.04E-03	8.43E-04	1.70E-04	1.63E-04	1.27E-04	8.35E-05
5725	563341.1	4235269	1.32E-03	1.17E-03	2.23E-04	1.88E-04	1.06E-03	8.62E-04	1.74E-04	1.67E-04	1.30E-04	8.53E-05
5726	563331.6	4235273	1.35E-03	1.20E-03	2.29E-04	1.93E-04	1.09E-03	8.82E-04	1.78E-04	1.71E-04	1.33E-04	8.73E-05
5727	563322.1	4235277	1.38E-03	1.23E-03	2.34E-04	1.97E-04	1.11E-03	9.03E-04	1.82E-04	1.75E-04	1.36E-04	8.94E-05
5728	563312.6	4235281	1.41E-03	1.26E-03	2.39E-04	2.02E-04	1.14E-03	9.23E-04	1.87E-04	1.79E-04	1.39E-04	9.14E-05
5729	563303.1	4235285	1.44E-03	1.29E-03	2.45E-04	2.06E-04	1.16E-03	9.43E-04	1.91E-04	1.83E-04	1.42E-04	9.34E-05
5730	563293.6	4235289	1.47E-03	1.31E-03	2.50E-04	2.10E-04	1.19E-03	9.63E-04	1.95E-04	1.87E-04	1.45E-04	9.54E-05
5731	563279.1	4235292	1.53E-03	1.37E-03	2.60E-04	2.19E-04	1.24E-03	1.00E-03	2.03E-04	1.95E-04	1.51E-04	9.94E-05
5732	563269	4235291	1.59E-03	1.42E-03	2.71E-04	2.28E-04	1.29E-03	1.04E-03	2.11E-04	2.02E-04	1.57E-04	1.03E-04
5733	563258.8	4235289	1.66E-03	1.48E-03	2.81E-04	2.37E-04	1.34E-03	1.08E-03	2.19E-04	2.10E-04	1.63E-04	1.07E-04
5734	563248.7	4235287	1.71E-03	1.53E-03	2.91E-04	2.45E-04	1.38E-03	1.12E-03	2.27E-04	2.18E-04	1.69E-04	1.11E-04
5735	563238.5	4235285	1.77E-03	1.58E-03	3.01E-04	2.54E-04	1.43E-03	1.16E-03	2.35E-04	2.25E-04	1.75E-04	1.15E-04
5736	563228.4	4235283	1.83E-03	1.63E-03	3.11E-04	2.62E-04	1.48E-03	1.20E-03	2.42E-04	2.32E-04	1.81E-04	1.19E-04
5737	563218.3	4235281	1.89E-03	1.68E-03	3.20E-04	2.70E-04	1.52E-03	1.23E-03	2.49E-04	2.39E-04	1.86E-04	1.22E-04
5738	563208.1	4235279	1.94E-03	1.73E-03	3.29E-04	2.77E-04	1.56E-03	1.27E-03	2.56E-04	2.46E-04	1.91E-04	1.25E-04
5739	563198	4235277	1.98E-03	1.77E-03	3.36E-04	2.84E-04	1.60E-03	1.30E-03	2.62E-04	2.52E-04	1.96E-04	1.29E-04
5740	563187.8	4235275	2.02E-03	1.81E-03	3.43E-04	2.89E-04	1.63E-03	1.32E-03	2.68E-04	2.57E-04	2.00E-04	1.31E-04
5741	563177.7	4235273	2.06E-03	1.84E-03	3.49E-04	2.95E-04	1.66E-03	1.35E-03	2.72E-04	2.61E-04	2.03E-04	1.33E-04
5742	563167.6	4235271	2.09E-03	1.86E-03	3.54E-04	2.99E-04	1.69E-03	1.37E-03	2.76E-04	2.65E-04	2.06E-04	1.35E-04
5743	563157.4	4235269	2.11E-03	1.88E-03	3.58E-04	3.02E-04	1.70E-03	1.38E-03	2.79E-04	2.68E-04	2.08E-04	1.37E-04
5744	563147.3	4235267	2.12E-03	1.89E-03	3.60E-04	3.03E-04	1.71E-03	1.39E-03	2.81E-04	2.69E-04	2.09E-04	1.37E-04
5745	563137.1	4235265	2.13E-03	1.90E-03	3.61E-04	3.04E-04	1.72E-03	1.39E-03	2.81E-04	2.70E-04	2.10E-04	1.38E-04
5746	563127	4235263	2.12E-03	1.89E-03	3.60E-04	3.03E-04	1.71E-03	1.39E-03	2.80E-04	2.69E-04	2.09E-04	1.37E-04
5747	563116.9	4235261	2.11E-03	1.88E-03	3.57E-04	3.01E-04	1.70E-03	1.38E-03	2.79E-04	2.67E-04	2.08E-04	1.37E-04
5748	563106.7	4235259	2.08E-03	1.86E-03	3.54E-04	2.98E-04	1.68E-03	1.36E-03	2.76E-04	2.64E-04	2.06E-04	1.35E-04
5749	563096.6	4235257	2.05E-03	1.83E-03	3.48E-04	2.93E-04	1.66E-03	1.34E-03	2.71E-04	2.60E-04	2.03E-04	1.33E-04
5750	563490.3	4235246	8.43E-04	7.52E-04	1.43E-04	1.21E-04	6.81E-04	5.52E-04	1.12E-04	1.07E-04	8.33E-05	5.47E-05
5751	563480.7	4235250	8.65E-04	7.72E-04	1.47E-04	1.24E-04	6.98E-04	5.66E-04	1.14E-04	1.10E-04	8.54E-05	5.61E-05
5752	563471.1	4235254	8.86E-04	7.91E-04	1.50E-04	1.27E-04	7.16E-04	5.80E-04	1.17E-04	1.12E-04	8.75E-05	5.74E-05
5753	563461.5	4235258	9.07E-04	8.09E-04	1.54E-04	1.30E-04	7.32E-04	5.94E-04	1.20E-04	1.15E-04	8.96E-05	5.88E-05
5754	563451.8	4235263	9.27E-04	8.27E-04	1.57E-04	1.33E-04	7.49E-04	6.07E-04	1.23E-04	1.18E-04	9.16E-05	6.01E-05
5755	563442.2	4235267	9.48E-04	8.45E-04	1.61E-04	1.36E-04	7.65E-04	6.20E-04	1.25E-04	1.20E-04	9.36E-05	6.14E-05
5756	563432.6	4235271	9.67E-04	8.63E-04	1.64E-04	1.38E-04	7.81E-04	6.33E-04	1.28E-04	1.23E-04	9.55E-05	6.27E-05
5757	563423	4235275	9.87E-04	8.81E-04	1.68E-04	1.41E-04	7.97E-04	6.46E-04	1.31E-04	1.25E-04	9.75E-05	6.40E-05
5758	563413.4	4235279	1.01E-03	8.99E-04	1.71E-04	1.44E-04	8.13E-04	6.59E-04	1.33E-04	1.28E-04	9.95E-05	6.53E-05

5759	563403.8	4235283	1.03E-03	9.17E-04	1.74E-04	1.47E-04	8.30E-04	6.73E-04	1.36E-04	1.30E-04	1.01E-04	6.66E-05
5760	563394.2	4235287	1.05E-03	9.35E-04	1.78E-04	1.50E-04	8.47E-04	6.86E-04	1.39E-04	1.33E-04	1.04E-04	6.80E-05
5761	563384.6	4235292	1.07E-03	9.54E-04	1.82E-04	1.53E-04	8.64E-04	7.00E-04	1.41E-04	1.36E-04	1.06E-04	6.93E-05
5762	563375	4235296	1.09E-03	9.74E-04	1.85E-04	1.56E-04	8.82E-04	7.15E-04	1.44E-04	1.39E-04	1.08E-04	7.08E-05
5763	563365.3	4235300	1.12E-03	9.96E-04	1.89E-04	1.60E-04	9.01E-04	7.30E-04	1.48E-04	1.42E-04	1.10E-04	7.23E-05
5764	563355.7	4235304	1.14E-03	1.02E-03	1.93E-04	1.63E-04	9.21E-04	7.46E-04	1.51E-04	1.45E-04	1.13E-04	7.39E-05
5765	563346.1	4235308	1.16E-03	1.04E-03	1.98E-04	1.67E-04	9.40E-04	7.62E-04	1.54E-04	1.48E-04	1.15E-04	7.55E-05
5766	563336.5	4235312	1.19E-03	1.06E-03	2.02E-04	1.70E-04	9.60E-04	7.78E-04	1.57E-04	1.51E-04	1.17E-04	7.70E-05
5767	563326.9	4235317	1.21E-03	1.08E-03	2.06E-04	1.74E-04	9.80E-04	7.94E-04	1.60E-04	1.54E-04	1.20E-04	7.86E-05
5768	563317.3	4235321	1.24E-03	1.10E-03	2.10E-04	1.77E-04	1.00E-03	8.11E-04	1.64E-04	1.57E-04	1.22E-04	8.03E-05
5769	563307.7	4235325	1.26E-03	1.13E-03	2.14E-04	1.81E-04	1.02E-03	8.27E-04	1.67E-04	1.60E-04	1.25E-04	8.19E-05
5770	563298.1	4235329	1.29E-03	1.15E-03	2.19E-04	1.84E-04	1.04E-03	8.43E-04	1.70E-04	1.63E-04	1.27E-04	8.35E-05
5771	563283.3	4235332	1.34E-03	1.19E-03	2.27E-04	1.91E-04	1.08E-03	8.74E-04	1.77E-04	1.69E-04	1.32E-04	8.66E-05
5772	563273	4235330	1.39E-03	1.24E-03	2.35E-04	1.98E-04	1.12E-03	9.06E-04	1.83E-04	1.76E-04	1.37E-04	8.98E-05
5773	563262.8	4235328	1.44E-03	1.28E-03	2.44E-04	2.06E-04	1.16E-03	9.41E-04	1.90E-04	1.82E-04	1.42E-04	9.32E-05
5774	563252.5	4235326	1.49E-03	1.33E-03	2.53E-04	2.13E-04	1.20E-03	9.75E-04	1.97E-04	1.89E-04	1.47E-04	9.66E-05
5775	563242.2	4235324	1.54E-03	1.38E-03	2.62E-04	2.20E-04	1.24E-03	1.01E-03	2.04E-04	1.96E-04	1.52E-04	9.99E-05
5776	563231.9	4235322	1.59E-03	1.42E-03	2.70E-04	2.27E-04	1.28E-03	1.04E-03	2.10E-04	2.02E-04	1.57E-04	1.03E-04
5777	563221.7	4235320	1.63E-03	1.46E-03	2.77E-04	2.34E-04	1.32E-03	1.07E-03	2.16E-04	2.07E-04	1.61E-04	1.06E-04
5778	563211.4	4235318	1.68E-03	1.50E-03	2.84E-04	2.40E-04	1.35E-03	1.10E-03	2.22E-04	2.13E-04	1.66E-04	1.09E-04
5779	563201.1	4235316	1.72E-03	1.53E-03	2.91E-04	2.45E-04	1.39E-03	1.12E-03	2.27E-04	2.18E-04	1.69E-04	1.11E-04
5780	563190.8	4235314	1.75E-03	1.56E-03	2.97E-04	2.50E-04	1.41E-03	1.15E-03	2.32E-04	2.22E-04	1.73E-04	1.14E-04
5781	563180.5	4235312	1.78E-03	1.59E-03	3.02E-04	2.55E-04	1.44E-03	1.17E-03	2.36E-04	2.26E-04	1.76E-04	1.16E-04
5782	563170.3	4235310	1.81E-03	1.61E-03	3.07E-04	2.59E-04	1.46E-03	1.18E-03	2.39E-04	2.29E-04	1.79E-04	1.17E-04
5783	563160	4235308	1.83E-03	1.63E-03	3.10E-04	2.61E-04	1.48E-03	1.20E-03	2.42E-04	2.32E-04	1.81E-04	1.19E-04
5784	563149.7	4235306	1.84E-03	1.64E-03	3.13E-04	2.63E-04	1.49E-03	1.21E-03	2.44E-04	2.34E-04	1.82E-04	1.19E-04
5785	563139.4	4235304	1.85E-03	1.65E-03	3.14E-04	2.65E-04	1.49E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
5786	563129.2	4235302	1.85E-03	1.65E-03	3.14E-04	2.65E-04	1.49E-03	1.21E-03	2.45E-04	2.35E-04	1.83E-04	1.20E-04
5787	563118.9	4235300	1.84E-03	1.64E-03	3.13E-04	2.64E-04	1.49E-03	1.21E-03	2.44E-04	2.34E-04	1.82E-04	1.20E-04
5788	563108.6	4235298	1.83E-03	1.63E-03	3.11E-04	2.62E-04	1.48E-03	1.20E-03	2.42E-04	2.32E-04	1.81E-04	1.19E-04
5789	563098.3	4235296	1.81E-03	1.61E-03	3.07E-04	2.59E-04	1.46E-03	1.18E-03	2.39E-04	2.30E-04	1.79E-04	1.17E-04
5790	563088.1	4235294	1.78E-03	1.59E-03	3.02E-04	2.55E-04	1.44E-03	1.17E-03	2.36E-04	2.26E-04	1.76E-04	1.16E-04
5791	563077.8	4235292	1.75E-03	1.56E-03	2.97E-04	2.50E-04	1.41E-03	1.14E-03	2.31E-04	2.22E-04	1.73E-04	1.13E-04
5792	563516.3	4235276	7.43E-04	6.63E-04	1.26E-04	1.06E-04	6.00E-04	4.86E-04	9.82E-05	9.42E-05	7.33E-05	4.81E-05
5793	563506.6	4235280	7.61E-04	6.79E-04	1.29E-04	1.09E-04	6.14E-04	4.98E-04	1.01E-04	9.65E-05	7.51E-05	4.93E-05
5794	563496.8	4235285	7.78E-04	6.94E-04	1.32E-04	1.11E-04	6.28E-04	5.09E-04	1.03E-04	9.87E-05	7.68E-05	5.04E-05
5795	563487.1	4235289	7.93E-04	7.08E-04	1.35E-04	1.13E-04	6.40E-04	5.19E-04	1.05E-04	1.01E-04	7.83E-05	5.14E-05
5796	563477.4	4235293	8.09E-04	7.22E-04	1.37E-04	1.16E-04	6.53E-04	5.29E-04	1.07E-04	1.03E-04	7.99E-05	5.24E-05
5797	563467.7	4235297	8.26E-04	7.37E-04	1.40E-04	1.18E-04	6.67E-04	5.40E-04	1.09E-04	1.05E-04	8.15E-05	5.35E-05
5798	563458	4235302	8.43E-04	7.52E-04	1.43E-04	1.21E-04	6.81E-04	5.52E-04	1.11E-04	1.07E-04	8.32E-05	5.46E-05
5799	563448.3	4235306	8.60E-04	7.67E-04	1.46E-04	1.23E-04	6.94E-04	5.63E-04	1.14E-04	1.09E-04	8.49E-05	5.57E-05
5800	563438.5	4235310	8.77E-04	7.82E-04	1.49E-04	1.25E-04	7.08E-04	5.74E-04	1.16E-04	1.11E-04	8.66E-05	5.68E-05
5801	563428.8	4235314	8.94E-04	7.97E-04	1.52E-04	1.28E-04	7.22E-04	5.85E-04	1.18E-04	1.13E-04	8.83E-05	5.79E-05
5802	563419.1	4235318	9.12E-04	8.13E-04	1.55E-04	1.30E-04	7.36E-04	5.97E-04	1.21E-04	1.16E-04	9.01E-05	5.91E-05
5803	563409.4	4235323	9.32E-04	8.31E-04	1.58E-04	1.33E-04	7.52E-04	6.10E-04	1.23E-04	1.18E-04	9.20E-05	6.04E-05
5804	563399.7	4235327	9.52E-04	8.49E-04	1.62E-04	1.36E-04	7.69E-04	6.23E-04	1.26E-04	1.21E-04	9.40E-05	6.17E-05
5805	563389.9	4235331	9.71E-04	8.66E-04	1.65E-04	1.39E-04	7.84E-04	6.35E-04	1.28E-04	1.23E-04	9.59E-05	6.29E-05
5806	563380.2	4235335	9.88E-04	8.82E-04	1.68E-04	1.41E-04	7.98E-04	6.47E-04	1.31E-04	1.25E-04	9.76E-05	6.41E-05
5807	563370.5	4235339	1.01E-03	8.99E-04	1.71E-04	1.44E-04	8.14E-04	6.60E-04	1.33E-04	1.28E-04	9.96E-05	6.53E-05
5808	563360.8	4235344	1.03E-03	9.18E-04	1.75E-04	1.47E-04	8.31E-04	6.73E-04	1.36E-04	1.31E-04	1.02E-04	6.67E-05
5809	563351.1	4235348	1.05E-03	9.35E-04	1.78E-04	1.50E-04	8.46E-04	6.86E-04	1.39E-04	1.33E-04	1.03E-04	6.79E-05
5810	563341.4	4235352	1.07E-03	9.51E-04	1.81E-04	1.52E-04	8.61E-04	6.98E-04	1.41E-04	1.35E-04	1.05E-04	6.91E-05
5811	563331.6	4235356	1.09E-03	9.68E-04	1.84E-04	1.55E-04	8.76E-04	7.10E-04	1.43E-04	1.38E-04	1.07E-04	7.03E-05
5812	563321.9	4235360	1.10E-03	9.84E-04	1.87E-04	1.58E-04	8.91E-04	7.22E-04	1.46E-04	1.40E-04	1.09E-04	7.15E-05
5813	563312.2	4235365	1.12E-03	1.00E-03	1.90E-04	1.61E-04	9.06E-04	7.34E-04	1.48E-04	1.42E-04	1.11E-04	7.27E-05
5814	563302.5	4235369	1.14E-03	1.02E-03	1.94E-04	1.63E-04	9.22E-04	7.47E-04	1.51E-04	1.45E-04	1.13E-04	7.40E-05
5815	563287.6	4235372	1.18E-03	1.05E-03	2.00E-04	1.69E-04	9.54E-04	7.73E-04	1.56E-04	1.50E-04	1.17E-04	7.66E-05
5816	563277.2	4235370	1.22E-03	1.09E-03	2.07E-04	1.75E-04	9.87E-04	8.00E-04	1.62E-04	1.55E-04	1.21E-04	7.92E-05
5817	563266.8	4235368	1.26E-03	1.13E-03	2.14E-04	1.81E-04	1.02E-03	8.27E-04	1.67E-04	1.60E-04	1.25E-04	8.19E-05
5818	563256.4	4235366	1.30E-03	1.16E-03	2.21E-04	1.87E-04	1.05E-03	8.54E-04	1.73E-04	1.66E-04	1.29E-04	8.45E-05
5819	563246	4235364	1.34E-03	1.20E-03	2.28E-04	1.92E-04	1.09E-03	8.80E-04	1.78E-04	1.71E-04	1.33E-04	8.71E-05
5820	563235.6	4235362	1.39E-03	1.24E-03	2.35E-04	1.98E-04	1.12E-03	9.07E-04	1.83E-04	1.76E-04	1.37E-04	8.98E-05
5821	563225.2	4235360	1.43E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.34E-04	1.89E-04	1.81E-04	1.41E-04	9.25E-05
5822	563214.8	4235358	1.47E-03	1.31E-03	2.49E-04	2.10E-04	1.18E-03	9.60E-04	1.94E-04	1.86E-04	1.45E-04	9.51E-05
5823	563204.4	4235356	1.50E-03	1.34E-03	2.55E-04	2.15E-04	1.21E-03	9.82E-04	1.98E-04	1.90E-04	1.48E-04	9.73E-05
5824	563194	4235354	1.53E-03	1.37E-03	2.60E-04	2.19E-04	1.24E-03	1.00E-03	2.03E-04	1.94E-04	1.51E-04	9.93E-05
5825	563183.6	4235352	1.56E-03	1.39E-03	2.65E-04	2.23E-04	1.26E-03	1.02E-03	2.06E-04	1.98E-04	1.54E-04	1.01E-04

5826	563173.2	4235350	1.58E-03	1.41E-03	2.69E-04	2.26E-04	1.28E-03	1.04E-03	2.09E-04	2.01E-04	1.56E-04	1.03E-04
5827	563162.9	4235348	1.60E-03	1.43E-03	2.72E-04	2.29E-04	1.29E-03	1.05E-03	2.12E-04	2.03E-04	1.58E-04	1.04E-04
5828	563152.5	4235346	1.62E-03	1.44E-03	2.74E-04	2.31E-04	1.30E-03	1.06E-03	2.14E-04	2.05E-04	1.60E-04	1.05E-04
5829	563142.1	4235344	1.63E-03	1.45E-03	2.76E-04	2.32E-04	1.31E-03	1.06E-03	2.15E-04	2.06E-04	1.61E-04	1.05E-04
5830	563131.7	4235342	1.63E-03	1.45E-03	2.77E-04	2.33E-04	1.32E-03	1.07E-03	2.16E-04	2.07E-04	1.61E-04	1.06E-04
5831	563121.3	4235339	1.63E-03	1.45E-03	2.76E-04	2.33E-04	1.31E-03	1.07E-03	2.15E-04	2.07E-04	1.61E-04	1.06E-04
5832	563110.9	4235337	1.62E-03	1.45E-03	2.75E-04	2.32E-04	1.31E-03	1.06E-03	2.14E-04	2.06E-04	1.60E-04	1.05E-04
5833	563100.5	4235335	1.61E-03	1.43E-03	2.73E-04	2.30E-04	1.30E-03	1.05E-03	2.13E-04	2.04E-04	1.59E-04	1.04E-04
5834	563090.1	4235333	1.59E-03	1.42E-03	2.70E-04	2.27E-04	1.28E-03	1.04E-03	2.10E-04	2.02E-04	1.57E-04	1.03E-04
5835	563079.7	4235331	1.57E-03	1.40E-03	2.66E-04	2.24E-04	1.26E-03	1.02E-03	2.07E-04	1.99E-04	1.55E-04	1.02E-04
5836	563069.3	4235329	1.54E-03	1.37E-03	2.61E-04	2.20E-04	1.24E-03	1.01E-03	2.03E-04	1.95E-04	1.52E-04	9.96E-05
5837	563058.9	4235327	1.50E-03	1.34E-03	2.55E-04	2.15E-04	1.21E-03	9.84E-04	1.99E-04	1.91E-04	1.49E-04	9.75E-05
5838	563525.2	4235271	7.26E-04	6.48E-04	1.23E-04	1.04E-04	5.86E-04	4.75E-04	9.60E-05	9.21E-05	7.17E-05	4.71E-05
5839	563542.4	4235307	6.67E-04	5.95E-04	1.13E-04	9.54E-05	5.38E-04	4.36E-04	8.82E-05	8.46E-05	6.59E-05	4.32E-05
5840	563532.8	4235311	6.84E-04	6.10E-04	1.16E-04	9.78E-05	5.52E-04	4.47E-04	9.04E-05	8.67E-05	6.75E-05	4.43E-05
5841	563523.1	4235315	7.00E-04	6.24E-04	1.19E-04	1.00E-04	5.65E-04	4.58E-04	9.25E-05	8.88E-05	6.91E-05	4.53E-05
5842	563513.5	4235319	7.15E-04	6.38E-04	1.21E-04	1.02E-04	5.78E-04	4.68E-04	9.46E-05	9.08E-05	7.06E-05	4.64E-05
5843	563503.9	4235323	7.27E-04	6.49E-04	1.23E-04	1.04E-04	5.87E-04	4.76E-04	9.61E-05	9.22E-05	7.18E-05	4.71E-05
5844	563494.3	4235327	7.38E-04	6.58E-04	1.25E-04	1.05E-04	5.96E-04	4.83E-04	9.76E-05	9.36E-05	7.29E-05	4.78E-05
5845	563484.7	4235332	7.48E-04	6.68E-04	1.27E-04	1.07E-04	6.04E-04	4.90E-04	9.90E-05	9.49E-05	7.39E-05	4.85E-05
5846	563475	4235336	7.62E-04	6.79E-04	1.29E-04	1.09E-04	6.15E-04	4.98E-04	1.01E-04	9.66E-05	7.52E-05	4.94E-05
5847	563465.4	4235340	7.75E-04	6.91E-04	1.31E-04	1.11E-04	6.25E-04	5.07E-04	1.02E-04	9.83E-05	7.65E-05	5.02E-05
5848	563455.8	4235344	7.87E-04	7.02E-04	1.34E-04	1.13E-04	6.35E-04	5.15E-04	1.04E-04	9.99E-05	7.77E-05	5.10E-05
5849	563446.2	4235348	8.00E-04	7.14E-04	1.36E-04	1.14E-04	6.46E-04	5.23E-04	1.06E-04	1.02E-04	7.90E-05	5.18E-05
5850	563436.6	4235352	8.13E-04	7.26E-04	1.38E-04	1.16E-04	6.57E-04	5.32E-04	1.08E-04	1.03E-04	8.03E-05	5.27E-05
5851	563426.9	4235357	8.27E-04	7.38E-04	1.40E-04	1.18E-04	6.68E-04	5.41E-04	1.09E-04	1.05E-04	8.17E-05	5.36E-05
5852	563417.3	4235361	8.41E-04	7.50E-04	1.43E-04	1.20E-04	6.79E-04	5.50E-04	1.11E-04	1.07E-04	8.31E-05	5.45E-05
5853	563407.7	4235365	8.56E-04	7.63E-04	1.45E-04	1.22E-04	6.91E-04	5.60E-04	1.13E-04	1.09E-04	8.45E-05	5.55E-05
5854	563398.1	4235369	8.71E-04	7.77E-04	1.48E-04	1.25E-04	7.03E-04	5.70E-04	1.15E-04	1.11E-04	8.60E-05	5.65E-05
5855	563388.5	4235373	8.87E-04	7.91E-04	1.50E-04	1.27E-04	7.16E-04	5.80E-04	1.17E-04	1.13E-04	8.76E-05	5.75E-05
5856	563378.8	4235377	9.03E-04	8.05E-04	1.53E-04	1.29E-04	7.29E-04	5.91E-04	1.19E-04	1.15E-04	8.92E-05	5.85E-05
5857	563369.2	4235382	9.18E-04	8.19E-04	1.56E-04	1.31E-04	7.42E-04	6.01E-04	1.21E-04	1.17E-04	9.07E-05	5.95E-05
5858	563359.6	4235386	9.33E-04	8.32E-04	1.58E-04	1.33E-04	7.53E-04	6.11E-04	1.23E-04	1.18E-04	9.21E-05	6.05E-05
5859	563350	4235390	9.46E-04	8.44E-04	1.61E-04	1.35E-04	7.64E-04	6.19E-04	1.25E-04	1.20E-04	9.35E-05	6.13E-05
5860	563340.4	4235394	9.61E-04	8.57E-04	1.63E-04	1.37E-04	7.76E-04	6.29E-04	1.27E-04	1.22E-04	9.49E-05	6.23E-05
5861	563330.7	4235398	9.77E-04	8.71E-04	1.66E-04	1.40E-04	7.88E-04	6.39E-04	1.29E-04	1.24E-04	9.64E-05	6.33E-05
5862	563321.1	4235402	9.94E-04	8.87E-04	1.69E-04	1.42E-04	8.03E-04	6.51E-04	1.31E-04	1.26E-04	9.82E-05	6.44E-05
5863	563311.5	4235407	1.01E-03	9.02E-04	1.72E-04	1.45E-04	8.17E-04	6.62E-04	1.34E-04	1.28E-04	9.99E-05	6.56E-05
5864	563301.9	4235411	1.03E-03	9.17E-04	1.74E-04	1.47E-04	8.30E-04	6.73E-04	1.36E-04	1.30E-04	1.02E-04	6.67E-05
5865	563291.9	4235412	1.05E-03	9.40E-04	1.79E-04	1.51E-04	8.51E-04	6.89E-04	1.39E-04	1.34E-04	1.04E-04	6.83E-05
5866	563281.6	4235410	1.09E-03	9.70E-04	1.85E-04	1.56E-04	8.78E-04	7.12E-04	1.44E-04	1.38E-04	1.07E-04	7.05E-05
5867	563271.3	4235408	1.12E-03	1.00E-03	1.90E-04	1.60E-04	9.05E-04	7.34E-04	1.48E-04	1.42E-04	1.11E-04	7.27E-05
5868	563261.1	4235406	1.16E-03	1.03E-03	1.96E-04	1.65E-04	9.33E-04	7.56E-04	1.53E-04	1.47E-04	1.14E-04	7.49E-05
5869	563250.8	4235404	1.19E-03	1.06E-03	2.02E-04	1.70E-04	9.60E-04	7.78E-04	1.57E-04	1.51E-04	1.17E-04	7.70E-05
5870	563240.5	4235402	1.22E-03	1.09E-03	2.07E-04	1.75E-04	9.86E-04	7.99E-04	1.62E-04	1.55E-04	1.21E-04	7.92E-05
5871	563230.2	4235400	1.25E-03	1.12E-03	2.13E-04	1.79E-04	1.01E-03	8.21E-04	1.66E-04	1.59E-04	1.24E-04	8.13E-05
5872	563219.9	4235398	1.29E-03	1.15E-03	2.18E-04	1.84E-04	1.04E-03	8.42E-04	1.70E-04	1.63E-04	1.27E-04	8.34E-05
5873	563209.6	4235396	1.32E-03	1.18E-03	2.24E-04	1.88E-04	1.06E-03	8.62E-04	1.74E-04	1.67E-04	1.30E-04	8.54E-05
5874	563199.3	4235394	1.35E-03	1.20E-03	2.28E-04	1.92E-04	1.09E-03	8.81E-04	1.78E-04	1.71E-04	1.33E-04	8.72E-05
5875	563189	4235392	1.37E-03	1.22E-03	2.33E-04	1.96E-04	1.11E-03	8.97E-04	1.81E-04	1.74E-04	1.35E-04	8.88E-05
5876	563178.8	4235390	1.39E-03	1.24E-03	2.36E-04	1.99E-04	1.12E-03	9.11E-04	1.84E-04	1.77E-04	1.38E-04	9.03E-05
5877	563168.5	4235388	1.41E-03	1.26E-03	2.39E-04	2.02E-04	1.14E-03	9.23E-04	1.87E-04	1.79E-04	1.39E-04	9.15E-05
5878	563158.2	4235386	1.43E-03	1.27E-03	2.42E-04	2.04E-04	1.15E-03	9.33E-04	1.89E-04	1.81E-04	1.41E-04	9.24E-05
5879	563147.9	4235384	1.44E-03	1.28E-03	2.44E-04	2.06E-04	1.16E-03	9.41E-04	1.90E-04	1.82E-04	1.42E-04	9.32E-05
5880	563137.6	4235382	1.44E-03	1.29E-03	2.45E-04	2.07E-04	1.17E-03	9.45E-04	1.91E-04	1.83E-04	1.43E-04	9.36E-05
5881	563127.3	4235380	1.45E-03	1.29E-03	2.46E-04	2.07E-04	1.17E-03	9.48E-04	1.92E-04	1.84E-04	1.43E-04	9.39E-05
5882	563117	4235378	1.45E-03	1.29E-03	2.46E-04	2.07E-04	1.17E-03	9.47E-04	1.91E-04	1.84E-04	1.43E-04	9.38E-05
5883	563106.7	4235376	1.44E-03	1.29E-03	2.45E-04	2.06E-04	1.16E-03	9.43E-04	1.91E-04	1.83E-04	1.42E-04	9.34E-05
5884	563096.4	4235374	1.43E-03	1.28E-03	2.43E-04	2.05E-04	1.16E-03	9.37E-04	1.89E-04	1.82E-04	1.41E-04	9.28E-05
5885	563086.2	4235372	1.42E-03	1.26E-03	2.41E-04	2.03E-04	1.14E-03	9.28E-04	1.87E-04	1.80E-04	1.40E-04	9.19E-05
5886	563075.9	4235370	1.40E-03	1.25E-03	2.37E-04	2.00E-04	1.13E-03	9.15E-04	1.85E-04	1.77E-04	1.38E-04	9.07E-05
5887	563065.6	4235368	1.38E-03	1.23E-03	2.34E-04	1.97E-04	1.11E-03	9.01E-04	1.82E-04	1.75E-04	1.36E-04	8.92E-05
5888	563055.3	4235366	1.35E-03	1.20E-03	2.29E-04	1.93E-04	1.09E-03	8.83E-04	1.79E-04	1.71E-04	1.33E-04	8.75E-05
5889	563045	4235364	1.32E-03	1.18E-03	2.24E-04	1.89E-04	1.07E-03	8.64E-04	1.75E-04	1.68E-04	1.30E-04	8.56E-05
5890	563551.2	4235301	6.54E-04	5.83E-04	1.11E-04	9.35E-05	5.28E-04	4.28E-04	8.64E-05	8.29E-05	6.45E-05	4.24E-05
5891	563568.4	4235337	6.04E-04	5.39E-04	1.02E-04	8.64E-05	4.88E-04	3.95E-04	7.99E-05	7.66E-05	5.96E-05	3.91E-05
5892	563558.7	4235341	6.17E-04	5.50E-04	1.05E-04	8.82E-05	4.98E-04	4.04E-04	8.16E-05	7.83E-05	6.09E-05	4.00E-05

5893	563549	4235345	6.29E-04	5.61E-04	1.07E-04	9.00E-05	5.08E-04	4.12E-04	8.32E-05	7.98E-05	6.21E-05	4.08E-05
5894	563539.3	4235350	6.41E-04	5.72E-04	1.09E-04	9.17E-05	5.18E-04	4.20E-04	8.48E-05	8.14E-05	6.33E-05	4.16E-05
5895	563529.5	4235354	6.53E-04	5.82E-04	1.11E-04	9.33E-05	5.27E-04	4.27E-04	8.63E-05	8.28E-05	6.45E-05	4.23E-05
5896	563519.8	4235358	6.64E-04	5.92E-04	1.13E-04	9.49E-05	5.36E-04	4.34E-04	8.78E-05	8.42E-05	6.55E-05	4.30E-05
5897	563510.1	4235362	6.74E-04	6.02E-04	1.14E-04	9.64E-05	5.44E-04	4.41E-04	8.92E-05	8.56E-05	6.66E-05	4.37E-05
5898	563500.4	4235366	6.85E-04	6.11E-04	1.16E-04	9.79E-05	5.53E-04	4.48E-04	9.05E-05	8.69E-05	6.76E-05	4.44E-05
5899	563490.7	4235371	6.95E-04	6.20E-04	1.18E-04	9.94E-05	5.61E-04	4.55E-04	9.19E-05	8.82E-05	6.86E-05	4.50E-05
5900	563481	4235375	7.04E-04	6.28E-04	1.20E-04	1.01E-04	5.69E-04	4.61E-04	9.31E-05	8.94E-05	6.96E-05	4.56E-05
5901	563471.3	4235379	7.13E-04	6.36E-04	1.21E-04	1.02E-04	5.75E-04	4.66E-04	9.42E-05	9.04E-05	7.04E-05	4.62E-05
5902	563461.6	4235383	7.21E-04	6.43E-04	1.22E-04	1.03E-04	5.82E-04	4.72E-04	9.53E-05	9.14E-05	7.12E-05	4.67E-05
5903	563451.9	4235387	7.29E-04	6.50E-04	1.24E-04	1.04E-04	5.89E-04	4.77E-04	9.64E-05	9.25E-05	7.20E-05	4.72E-05
5904	563442.2	4235392	7.40E-04	6.60E-04	1.26E-04	1.06E-04	5.98E-04	4.84E-04	9.79E-05	9.39E-05	7.31E-05	4.80E-05
5905	563432.4	4235396	7.50E-04	6.69E-04	1.27E-04	1.07E-04	6.06E-04	4.91E-04	9.92E-05	9.52E-05	7.41E-05	4.86E-05
5906	563422.7	4235400	7.60E-04	6.78E-04	1.29E-04	1.09E-04	6.14E-04	4.97E-04	1.01E-04	9.65E-05	7.51E-05	4.93E-05
5907	563413	4235404	7.70E-04	6.87E-04	1.31E-04	1.10E-04	6.22E-04	5.04E-04	1.02E-04	9.77E-05	7.61E-05	4.99E-05
5908	563403.3	4235408	7.81E-04	6.97E-04	1.33E-04	1.12E-04	6.31E-04	5.11E-04	1.03E-04	9.91E-05	7.71E-05	5.06E-05
5909	563393.6	4235413	7.92E-04	7.07E-04	1.34E-04	1.13E-04	6.40E-04	5.19E-04	1.05E-04	1.01E-04	7.83E-05	5.14E-05
5910	563383.9	4235417	8.05E-04	7.18E-04	1.37E-04	1.15E-04	6.50E-04	5.27E-04	1.06E-04	1.02E-04	7.95E-05	5.22E-05
5911	563374.2	4235421	8.20E-04	7.31E-04	1.39E-04	1.17E-04	6.62E-04	5.36E-04	1.08E-04	1.04E-04	8.10E-05	5.31E-05
5912	563364.5	4235425	8.36E-04	7.46E-04	1.42E-04	1.20E-04	6.75E-04	5.47E-04	1.11E-04	1.06E-04	8.25E-05	5.42E-05
5913	563354.8	4235429	8.51E-04	7.59E-04	1.44E-04	1.22E-04	6.87E-04	5.57E-04	1.13E-04	1.08E-04	8.41E-05	5.52E-05
5914	563345.1	4235434	8.66E-04	7.73E-04	1.47E-04	1.24E-04	6.99E-04	5.67E-04	1.15E-04	1.10E-04	8.55E-05	5.61E-05
5915	563335.3	4235438	8.81E-04	7.86E-04	1.49E-04	1.26E-04	7.11E-04	5.76E-04	1.16E-04	1.12E-04	8.70E-05	5.71E-05
5916	563325.6	4235442	8.96E-04	7.99E-04	1.52E-04	1.28E-04	7.23E-04	5.86E-04	1.18E-04	1.14E-04	8.84E-05	5.80E-05
5917	563315.9	4235446	9.11E-04	8.12E-04	1.54E-04	1.30E-04	7.35E-04	5.96E-04	1.20E-04	1.16E-04	8.99E-05	5.90E-05
5918	563306.2	4235450	9.25E-04	8.25E-04	1.57E-04	1.32E-04	7.47E-04	6.05E-04	1.22E-04	1.17E-04	9.13E-05	5.99E-05
5919	563296.2	4235452	9.46E-04	8.44E-04	1.61E-04	1.35E-04	7.64E-04	6.19E-04	1.25E-04	1.20E-04	9.35E-05	6.13E-05
5920	563285.8	4235450	9.75E-04	8.70E-04	1.66E-04	1.39E-04	7.88E-04	6.38E-04	1.29E-04	1.24E-04	9.63E-05	6.32E-05
5921	563275.4	4235447	1.00E-03	8.96E-04	1.70E-04	1.44E-04	8.11E-04	6.57E-04	1.33E-04	1.27E-04	9.92E-05	6.51E-05
5922	563265	4235445	1.03E-03	9.22E-04	1.75E-04	1.48E-04	8.34E-04	6.76E-04	1.37E-04	1.31E-04	1.02E-04	6.70E-05
5923	563254.6	4235443	1.06E-03	9.47E-04	1.80E-04	1.52E-04	8.57E-04	6.95E-04	1.40E-04	1.35E-04	1.05E-04	6.88E-05
5924	563244.3	4235441	1.09E-03	9.72E-04	1.85E-04	1.56E-04	8.80E-04	7.13E-04	1.44E-04	1.38E-04	1.08E-04	7.06E-05
5925	563233.9	4235439	1.12E-03	9.96E-04	1.89E-04	1.60E-04	9.02E-04	7.31E-04	1.48E-04	1.42E-04	1.10E-04	7.24E-05
5926	563223.5	4235437	1.14E-03	1.02E-03	1.94E-04	1.63E-04	9.23E-04	7.48E-04	1.51E-04	1.45E-04	1.13E-04	7.41E-05
5927	563213.1	4235435	1.17E-03	1.04E-03	1.98E-04	1.67E-04	9.43E-04	7.64E-04	1.54E-04	1.48E-04	1.15E-04	7.57E-05
5928	563202.7	4235433	1.19E-03	1.06E-03	2.02E-04	1.70E-04	9.62E-04	7.80E-04	1.58E-04	1.51E-04	1.18E-04	7.72E-05
5929	563192.3	4235431	1.21E-03	1.08E-03	2.06E-04	1.74E-04	9.80E-04	7.95E-04	1.61E-04	1.54E-04	1.20E-04	7.87E-05
5930	563181.9	4235429	1.24E-03	1.10E-03	2.10E-04	1.77E-04	9.98E-04	8.09E-04	1.63E-04	1.57E-04	1.22E-04	8.01E-05
5931	563171.6	4235427	1.25E-03	1.12E-03	2.13E-04	1.79E-04	1.01E-03	8.21E-04	1.66E-04	1.59E-04	1.24E-04	8.13E-05
5932	563161.2	4235425	1.27E-03	1.13E-03	2.16E-04	1.82E-04	1.03E-03	8.31E-04	1.68E-04	1.61E-04	1.25E-04	8.23E-05
5933	563150.8	4235423	1.28E-03	1.14E-03	2.18E-04	1.83E-04	1.04E-03	8.39E-04	1.70E-04	1.63E-04	1.27E-04	8.31E-05
5934	563140.4	4235421	1.29E-03	1.15E-03	2.19E-04	1.85E-04	1.04E-03	8.45E-04	1.71E-04	1.64E-04	1.27E-04	8.37E-05
5935	563130	4235419	1.30E-03	1.16E-03	2.20E-04	1.85E-04	1.05E-03	8.48E-04	1.71E-04	1.64E-04	1.28E-04	8.40E-05
5936	563119.6	4235417	1.30E-03	1.16E-03	2.20E-04	1.86E-04	1.05E-03	8.49E-04	1.72E-04	1.65E-04	1.28E-04	8.41E-05
5937	563109.3	4235415	1.30E-03	1.16E-03	2.20E-04	1.85E-04	1.05E-03	8.48E-04	1.71E-04	1.64E-04	1.28E-04	8.40E-05
5938	563098.9	4235413	1.29E-03	1.15E-03	2.19E-04	1.84E-04	1.04E-03	8.44E-04	1.71E-04	1.64E-04	1.27E-04	8.36E-05
5939	563088.5	4235411	1.28E-03	1.14E-03	2.17E-04	1.83E-04	1.03E-03	8.38E-04	1.69E-04	1.63E-04	1.26E-04	8.30E-05
5940	563078.1	4235409	1.27E-03	1.13E-03	2.15E-04	1.81E-04	1.02E-03	8.30E-04	1.68E-04	1.61E-04	1.25E-04	8.22E-05
5941	563067.7	4235407	1.25E-03	1.12E-03	2.12E-04	1.79E-04	1.01E-03	8.19E-04	1.65E-04	1.59E-04	1.24E-04	8.11E-05
5942	563057.3	4235405	1.23E-03	1.10E-03	2.09E-04	1.76E-04	9.95E-04	8.06E-04	1.63E-04	1.56E-04	1.22E-04	7.98E-05
5943	563047	4235403	1.21E-03	1.08E-03	2.05E-04	1.73E-04	9.76E-04	7.91E-04	1.60E-04	1.53E-04	1.19E-04	7.83E-05
5944	563036.6	4235401	1.18E-03	1.06E-03	2.01E-04	1.69E-04	9.56E-04	7.75E-04	1.57E-04	1.50E-04	1.17E-04	7.67E-05
5945	563026.2	4235399	1.16E-03	1.03E-03	1.96E-04	1.65E-04	9.33E-04	7.56E-04	1.53E-04	1.47E-04	1.14E-04	7.49E-05
5946	563594.5	4235367	5.42E-04	4.84E-04	9.20E-05	7.76E-05	4.38E-04	3.55E-04	7.17E-05	6.88E-05	5.36E-05	3.52E-05
5947	563584.9	4235371	5.53E-04	4.93E-04	9.38E-05	7.91E-05	4.46E-04	3.62E-04	7.31E-05	7.01E-05	5.46E-05	3.58E-05
5948	563575.2	4235376	5.63E-04	5.02E-04	9.55E-05	8.05E-05	4.54E-04	3.68E-04	7.44E-05	7.14E-05	5.56E-05	3.65E-05
5949	563565.6	4235380	5.73E-04	5.11E-04	9.71E-05	8.19E-05	4.62E-04	3.75E-04	7.57E-05	7.26E-05	5.65E-05	3.71E-05
5950	563556	4235384	5.82E-04	5.19E-04	9.87E-05	8.32E-05	4.70E-04	3.81E-04	7.69E-05	7.38E-05	5.74E-05	3.77E-05
5951	563546.3	4235388	5.91E-04	5.27E-04	1.00E-04	8.45E-05	4.77E-04	3.87E-04	7.81E-05	7.50E-05	5.83E-05	3.83E-05
5952	563536.7	4235392	6.00E-04	5.36E-04	1.02E-04	8.59E-05	4.85E-04	3.93E-04	7.94E-05	7.62E-05	5.93E-05	3.89E-05
5953	563527.1	4235396	6.10E-04	5.44E-04	1.04E-04	8.72E-05	4.93E-04	3.99E-04	8.07E-05	7.74E-05	6.02E-05	3.95E-05
5954	563517.5	4235401	6.20E-04	5.53E-04	1.05E-04	8.86E-05	5.00E-04	4.05E-04	8.19E-05	7.86E-05	6.12E-05	4.01E-05
5955	563507.8	4235405	6.28E-04	5.60E-04	1.07E-04	8.98E-05	5.07E-04	4.11E-04	8.30E-05	7.97E-05	6.20E-05	4.07E-05
5956	563498.2	4235409	6.36E-04	5.67E-04	1.08E-04	9.09E-05	5.13E-04	4.16E-04	8.41E-05	8.07E-05	6.28E-05	4.12E-05
5957	563488.6	4235413	6.43E-04	5.73E-04	1.09E-04	9.19E-05	5.19E-04	4.21E-04	8.50E-05	8.16E-05	6.35E-05	4.17E-05
5958	563479	4235417	6.49E-04	5.79E-04	1.10E-04	9.29E-05	5.24E-04	4.25E-04	8.59E-05	8.24E-05	6.41E-05	4.21E-05
5959	563469.3	4235421	6.56E-04	5.85E-04	1.11E-04	9.38E-05	5.29E-04	4.29E-04	8.67E-05	8.32E-05	6.48E-05	4.25E-05

5960	563459.7	4235426	6.62E-04	5.90E-04	1.12E-04	9.46E-05	5.34E-04	4.33E-04	8.75E-05	8.40E-05	6.54E-05	4.29E-05
5961	563450.1	4235430	6.68E-04	5.96E-04	1.13E-04	9.55E-05	5.39E-04	4.37E-04	8.83E-05	8.47E-05	6.60E-05	4.33E-05
5962	563440.4	4235434	6.75E-04	6.02E-04	1.15E-04	9.65E-05	5.45E-04	4.42E-04	8.93E-05	8.56E-05	6.67E-05	4.37E-05
5963	563430.8	4235438	6.83E-04	6.10E-04	1.16E-04	9.77E-05	5.52E-04	4.47E-04	9.04E-05	8.67E-05	6.75E-05	4.43E-05
5964	563421.2	4235442	6.93E-04	6.19E-04	1.18E-04	9.92E-05	5.60E-04	4.54E-04	9.17E-05	8.80E-05	6.85E-05	4.49E-05
5965	563411.6	4235446	7.05E-04	6.29E-04	1.20E-04	1.01E-04	5.69E-04	4.61E-04	9.32E-05	8.94E-05	6.96E-05	4.57E-05
5966	563401.9	4235451	7.18E-04	6.40E-04	1.22E-04	1.03E-04	5.79E-04	4.70E-04	9.49E-05	9.11E-05	7.09E-05	4.65E-05
5967	563392.3	4235455	7.32E-04	6.53E-04	1.24E-04	1.05E-04	5.91E-04	4.79E-04	9.68E-05	9.29E-05	7.23E-05	4.74E-05
5968	563382.7	4235459	7.45E-04	6.65E-04	1.26E-04	1.07E-04	6.02E-04	4.88E-04	9.85E-05	9.45E-05	7.36E-05	4.83E-05
5969	563373.1	4235463	7.57E-04	6.75E-04	1.28E-04	1.08E-04	6.11E-04	4.95E-04	1.00E-04	9.61E-05	7.48E-05	4.91E-05
5970	563363.4	4235467	7.68E-04	6.85E-04	1.30E-04	1.10E-04	6.20E-04	5.02E-04	1.02E-04	9.74E-05	7.58E-05	4.98E-05
5971	563353.8	4235471	7.80E-04	6.96E-04	1.32E-04	1.12E-04	6.30E-04	5.10E-04	1.03E-04	9.90E-05	7.70E-05	5.06E-05
5972	563344.2	4235476	7.93E-04	7.07E-04	1.35E-04	1.13E-04	6.40E-04	5.19E-04	1.05E-04	1.01E-04	7.83E-05	5.14E-05
5973	563334.5	4235480	8.06E-04	7.19E-04	1.37E-04	1.15E-04	6.51E-04	5.27E-04	1.07E-04	1.02E-04	7.96E-05	5.22E-05
5974	563324.9	4235484	8.19E-04	7.30E-04	1.39E-04	1.17E-04	6.61E-04	5.36E-04	1.08E-04	1.04E-04	8.09E-05	5.31E-05
5975	563315.3	4235488	8.31E-04	7.41E-04	1.41E-04	1.19E-04	6.71E-04	5.44E-04	1.10E-04	1.05E-04	8.21E-05	5.39E-05
5976	563300.5	4235491	8.55E-04	7.63E-04	1.45E-04	1.22E-04	6.91E-04	5.60E-04	1.13E-04	1.09E-04	8.45E-05	5.54E-05
5977	563290.2	4235489	8.80E-04	7.85E-04	1.49E-04	1.26E-04	7.11E-04	5.76E-04	1.16E-04	1.12E-04	8.69E-05	5.70E-05
5978	563279.9	4235487	9.05E-04	8.07E-04	1.54E-04	1.29E-04	7.30E-04	5.92E-04	1.20E-04	1.15E-04	8.93E-05	5.86E-05
5979	563269.6	4235485	9.29E-04	8.29E-04	1.58E-04	1.33E-04	7.50E-04	6.08E-04	1.23E-04	1.18E-04	9.18E-05	6.02E-05
5980	563259.3	4235483	9.54E-04	8.51E-04	1.62E-04	1.36E-04	7.70E-04	6.24E-04	1.26E-04	1.21E-04	9.42E-05	6.18E-05
5981	563249	4235481	9.77E-04	8.72E-04	1.66E-04	1.40E-04	7.89E-04	6.40E-04	1.29E-04	1.24E-04	9.65E-05	6.33E-05
5982	563238.7	4235479	1.00E-03	8.92E-04	1.70E-04	1.43E-04	8.08E-04	6.55E-04	1.32E-04	1.27E-04	9.88E-05	6.48E-05
5983	563228.4	4235477	1.02E-03	9.12E-04	1.74E-04	1.46E-04	8.26E-04	6.69E-04	1.35E-04	1.30E-04	1.01E-04	6.63E-05
5984	563218.2	4235475	1.04E-03	9.31E-04	1.77E-04	1.49E-04	8.43E-04	6.83E-04	1.38E-04	1.32E-04	1.03E-04	6.77E-05
5985	563207.9	4235473	1.06E-03	9.49E-04	1.81E-04	1.52E-04	8.59E-04	6.96E-04	1.41E-04	1.35E-04	1.05E-04	6.90E-05
5986	563197.6	4235471	1.08E-03	9.66E-04	1.84E-04	1.55E-04	8.74E-04	7.09E-04	1.43E-04	1.37E-04	1.07E-04	7.02E-05
5987	563187.3	4235469	1.10E-03	9.81E-04	1.87E-04	1.57E-04	8.88E-04	7.20E-04	1.45E-04	1.40E-04	1.09E-04	7.13E-05
5988	563177	4235467	1.12E-03	9.95E-04	1.89E-04	1.60E-04	9.01E-04	7.30E-04	1.48E-04	1.42E-04	1.10E-04	7.23E-05
5989	563166.7	4235465	1.13E-03	1.01E-03	1.92E-04	1.62E-04	9.13E-04	7.40E-04	1.49E-04	1.43E-04	1.12E-04	7.33E-05
5990	563156.4	4235463	1.14E-03	1.02E-03	1.94E-04	1.64E-04	9.23E-04	7.48E-04	1.51E-04	1.45E-04	1.13E-04	7.41E-05
5991	563146.1	4235461	1.15E-03	1.03E-03	1.96E-04	1.65E-04	9.32E-04	7.56E-04	1.53E-04	1.47E-04	1.14E-04	7.48E-05
5992	563135.8	4235459	1.16E-03	1.04E-03	1.97E-04	1.66E-04	9.39E-04	7.61E-04	1.54E-04	1.48E-04	1.15E-04	7.54E-05
5993	563125.5	4235457	1.17E-03	1.04E-03	1.98E-04	1.67E-04	9.44E-04	7.65E-04	1.55E-04	1.48E-04	1.15E-04	7.58E-05
5994	563115.2	4235455	1.17E-03	1.04E-03	1.99E-04	1.67E-04	9.45E-04	7.66E-04	1.55E-04	1.49E-04	1.16E-04	7.59E-05
5995	563104.9	4235453	1.17E-03	1.04E-03	1.98E-04	1.67E-04	9.44E-04	7.65E-04	1.55E-04	1.48E-04	1.15E-04	7.58E-05
5996	563094.6	4235451	1.16E-03	1.04E-03	1.98E-04	1.67E-04	9.41E-04	7.62E-04	1.54E-04	1.48E-04	1.15E-04	7.55E-05
5997	563084.3	4235449	1.16E-03	1.03E-03	1.96E-04	1.66E-04	9.35E-04	7.57E-04	1.53E-04	1.47E-04	1.14E-04	7.50E-05
5998	563074	4235447	1.15E-03	1.02E-03	1.95E-04	1.64E-04	9.26E-04	7.51E-04	1.52E-04	1.46E-04	1.13E-04	7.43E-05
5999	563063.7	4235445	1.13E-03	1.01E-03	1.92E-04	1.62E-04	9.15E-04	7.42E-04	1.50E-04	1.44E-04	1.12E-04	7.35E-05
6000	563053.4	4235443	1.12E-03	9.97E-04	1.90E-04	1.60E-04	9.03E-04	7.32E-04	1.48E-04	1.42E-04	1.10E-04	7.24E-05
6001	563043.1	4235441	1.10E-03	9.81E-04	1.87E-04	1.57E-04	8.88E-04	7.19E-04	1.45E-04	1.39E-04	1.09E-04	7.12E-05
6002	563032.8	4235439	1.08E-03	9.62E-04	1.83E-04	1.54E-04	8.71E-04	7.06E-04	1.43E-04	1.37E-04	1.07E-04	6.99E-05
6003	563022.5	4235437	1.06E-03	9.42E-04	1.79E-04	1.51E-04	8.52E-04	6.91E-04	1.40E-04	1.34E-04	1.04E-04	6.84E-05
6004	563012.2	4235435	1.03E-03	9.20E-04	1.75E-04	1.47E-04	8.33E-04	6.75E-04	1.36E-04	1.31E-04	1.02E-04	6.68E-05
6005	563002	4235433	1.01E-03	8.97E-04	1.71E-04	1.44E-04	8.12E-04	6.58E-04	1.33E-04	1.28E-04	9.93E-05	6.52E-05
6006	563620.5	4235398	4.90E-04	4.37E-04	8.31E-05	7.00E-05	3.95E-04	3.20E-04	6.47E-05	6.21E-05	4.83E-05	3.17E-05
6007	563610.8	4235402	4.99E-04	4.45E-04	8.47E-05	7.14E-05	4.03E-04	3.27E-04	6.60E-05	6.33E-05	4.93E-05	3.23E-05
6008	563601.1	4235406	5.08E-04	4.53E-04	8.62E-05	7.27E-05	4.10E-04	3.33E-04	6.72E-05	6.45E-05	5.02E-05	3.29E-05
6009	563591.4	4235410	5.17E-04	4.61E-04	8.77E-05	7.39E-05	4.17E-04	3.38E-04	6.84E-05	6.56E-05	5.11E-05	3.35E-05
6010	563581.7	4235414	5.25E-04	4.69E-04	8.91E-05	7.51E-05	4.24E-04	3.44E-04	6.95E-05	6.67E-05	5.19E-05	3.40E-05
6011	563572	4235419	5.33E-04	4.76E-04	9.05E-05	7.62E-05	4.30E-04	3.49E-04	7.05E-05	6.77E-05	5.27E-05	3.46E-05
6012	563562.3	4235423	5.41E-04	4.82E-04	9.18E-05	7.74E-05	4.37E-04	3.54E-04	7.15E-05	6.86E-05	5.34E-05	3.51E-05
6013	563552.6	4235427	5.49E-04	4.90E-04	9.31E-05	7.85E-05	4.43E-04	3.59E-04	7.26E-05	6.96E-05	5.42E-05	3.56E-05
6014	563542.9	4235431	5.57E-04	4.97E-04	9.45E-05	7.97E-05	4.50E-04	3.64E-04	7.37E-05	7.07E-05	5.50E-05	3.61E-05
6015	563533.2	4235435	5.65E-04	5.04E-04	9.59E-05	8.08E-05	4.56E-04	3.70E-04	7.47E-05	7.17E-05	5.58E-05	3.66E-05
6016	563523.5	4235440	5.72E-04	5.10E-04	9.70E-05	8.17E-05	4.61E-04	3.74E-04	7.56E-05	7.25E-05	5.64E-05	3.70E-05
6017	563513.7	4235444	5.77E-04	5.15E-04	9.79E-05	8.25E-05	4.66E-04	3.78E-04	7.63E-05	7.32E-05	5.70E-05	3.74E-05
6018	563504	4235448	5.82E-04	5.19E-04	9.88E-05	8.33E-05	4.70E-04	3.81E-04	7.70E-05	7.39E-05	5.75E-05	3.77E-05
6019	563494.3	4235452	5.87E-04	5.24E-04	9.96E-05	8.39E-05	4.74E-04	3.84E-04	7.76E-05	7.45E-05	5.80E-05	3.80E-05
6020	563484.6	4235456	5.91E-04	5.28E-04	1.00E-04	8.46E-05	4.78E-04	3.87E-04	7.82E-05	7.50E-05	5.84E-05	3.83E-05
6021	563474.9	4235461	5.96E-04	5.32E-04	1.01E-04	8.52E-05	4.81E-04	3.90E-04	7.88E-05	7.56E-05	5.89E-05	3.86E-05
6022	563465.2	4235465	6.02E-04	5.37E-04	1.02E-04	8.61E-05	4.86E-04	3.94E-04	7.96E-05	7.64E-05	5.94E-05	3.90E-05
6023	563455.5	4235469	6.09E-04	5.43E-04	1.03E-04	8.71E-05	4.92E-04	3.98E-04	8.05E-05	7.72E-05	6.01E-05	3.95E-05
6024	563445.8	4235473	6.18E-04	5.51E-04	1.05E-04	8.84E-05	4.99E-04	4.05E-04	8.17E-05	7.84E-05	6.10E-05	4.01E-05
6025	563436.1	4235477	6.29E-04	5.61E-04	1.07E-04	8.99E-05	5.08E-04	4.11E-04	8.31E-05	7.98E-05	6.21E-05	4.07E-05
6026	563426.4	4235482	6.40E-04	5.71E-04	1.09E-04	9.15E-05	5.17E-04	4.19E-04	8.46E-05	8.12E-05	6.32E-05	4.15E-05

6027	563416.7	4235486	6.52E-04	5.81E-04	1.11E-04	9.32E-05	5.26E-04	4.26E-04	8.62E-05	8.27E-05	6.43E-05	4.22E-05
6028	563407	4235490	6.63E-04	5.91E-04	1.13E-04	9.48E-05	5.35E-04	4.34E-04	8.77E-05	8.41E-05	6.55E-05	4.30E-05
6029	563397.3	4235494	6.74E-04	6.02E-04	1.14E-04	9.64E-05	5.44E-04	4.41E-04	8.92E-05	8.56E-05	6.66E-05	4.37E-05
6030	563387.6	4235498	6.84E-04	6.10E-04	1.16E-04	9.78E-05	5.52E-04	4.48E-04	9.04E-05	8.68E-05	6.75E-05	4.43E-05
6031	563377.9	4235503	6.92E-04	6.18E-04	1.18E-04	9.90E-05	5.59E-04	4.53E-04	9.16E-05	8.79E-05	6.84E-05	4.49E-05
6032	563368.2	4235507	7.01E-04	6.26E-04	1.19E-04	1.00E-04	5.66E-04	4.59E-04	9.27E-05	8.90E-05	6.93E-05	4.55E-05
6033	563358.5	4235511	7.12E-04	6.35E-04	1.21E-04	1.02E-04	5.75E-04	4.66E-04	9.41E-05	9.03E-05	7.03E-05	4.61E-05
6034	563348.8	4235515	7.23E-04	6.45E-04	1.23E-04	1.03E-04	5.84E-04	4.73E-04	9.56E-05	9.18E-05	7.14E-05	4.69E-05
6035	563339.1	4235519	7.35E-04	6.55E-04	1.25E-04	1.05E-04	5.93E-04	4.81E-04	9.71E-05	9.32E-05	7.26E-05	4.76E-05
6036	563329.4	4235524	7.46E-04	6.65E-04	1.27E-04	1.07E-04	6.02E-04	4.88E-04	9.86E-05	9.46E-05	7.37E-05	4.83E-05
6037	563319.7	4235528	7.57E-04	6.75E-04	1.28E-04	1.08E-04	6.11E-04	4.95E-04	1.00E-04	9.60E-05	7.47E-05	4.90E-05
6038	563304.8	4235531	7.78E-04	6.94E-04	1.32E-04	1.11E-04	6.28E-04	5.09E-04	1.03E-04	9.87E-05	7.68E-05	5.04E-05
6039	563294.4	4235529	7.99E-04	7.13E-04	1.36E-04	1.14E-04	6.45E-04	5.23E-04	1.06E-04	1.01E-04	7.89E-05	5.18E-05
6040	563284	4235527	8.21E-04	7.32E-04	1.39E-04	1.17E-04	6.63E-04	5.37E-04	1.09E-04	1.04E-04	8.11E-05	5.32E-05
6041	563273.6	4235525	8.42E-04	7.51E-04	1.43E-04	1.20E-04	6.80E-04	5.51E-04	1.11E-04	1.07E-04	8.32E-05	5.46E-05
6042	563263.3	4235523	8.63E-04	7.70E-04	1.46E-04	1.23E-04	6.97E-04	5.65E-04	1.14E-04	1.10E-04	8.53E-05	5.59E-05
6043	563252.9	4235521	8.84E-04	7.89E-04	1.50E-04	1.26E-04	7.14E-04	5.79E-04	1.17E-04	1.12E-04	8.73E-05	5.73E-05
6044	563242.5	4235519	9.04E-04	8.07E-04	1.53E-04	1.29E-04	7.30E-04	5.92E-04	1.20E-04	1.15E-04	8.93E-05	5.86E-05
6045	563232.1	4235517	9.24E-04	8.24E-04	1.57E-04	1.32E-04	7.46E-04	6.05E-04	1.22E-04	1.17E-04	9.12E-05	5.99E-05
6046	563221.8	4235515	9.43E-04	8.41E-04	1.60E-04	1.35E-04	7.61E-04	6.17E-04	1.25E-04	1.20E-04	9.31E-05	6.11E-05
6047	563211.4	4235513	9.60E-04	8.57E-04	1.63E-04	1.37E-04	7.75E-04	6.29E-04	1.27E-04	1.22E-04	9.49E-05	6.22E-05
6048	563201	4235511	9.77E-04	8.72E-04	1.66E-04	1.40E-04	7.89E-04	6.39E-04	1.29E-04	1.24E-04	9.65E-05	6.33E-05
6049	563190.6	4235509	9.93E-04	8.85E-04	1.68E-04	1.42E-04	8.01E-04	6.50E-04	1.31E-04	1.26E-04	9.80E-05	6.43E-05
6050	563180.2	4235507	1.01E-03	8.98E-04	1.71E-04	1.44E-04	8.13E-04	6.59E-04	1.33E-04	1.28E-04	9.94E-05	6.52E-05
6051	563169.9	4235505	1.02E-03	9.09E-04	1.73E-04	1.46E-04	8.23E-04	6.67E-04	1.35E-04	1.29E-04	1.01E-04	6.60E-05
6052	563159.5	4235503	1.03E-03	9.19E-04	1.75E-04	1.47E-04	8.31E-04	6.74E-04	1.36E-04	1.31E-04	1.02E-04	6.67E-05
6053	563149.1	4235501	1.04E-03	9.27E-04	1.76E-04	1.49E-04	8.39E-04	6.80E-04	1.37E-04	1.32E-04	1.03E-04	6.73E-05
6054	563138.7	4235499	1.05E-03	9.34E-04	1.78E-04	1.50E-04	8.45E-04	6.85E-04	1.38E-04	1.33E-04	1.03E-04	6.78E-05
6055	563128.4	4235497	1.05E-03	9.39E-04	1.79E-04	1.51E-04	8.50E-04	6.89E-04	1.39E-04	1.34E-04	1.04E-04	6.82E-05
6056	563118	4235495	1.06E-03	9.42E-04	1.79E-04	1.51E-04	8.53E-04	6.91E-04	1.40E-04	1.34E-04	1.04E-04	6.85E-05
6057	563107.6	4235493	1.06E-03	9.43E-04	1.79E-04	1.51E-04	8.54E-04	6.92E-04	1.40E-04	1.34E-04	1.04E-04	6.85E-05
6058	563097.2	4235491	1.06E-03	9.42E-04	1.79E-04	1.51E-04	8.53E-04	6.91E-04	1.40E-04	1.34E-04	1.04E-04	6.84E-05
6059	563086.8	4235488	1.05E-03	9.39E-04	1.79E-04	1.51E-04	8.50E-04	6.89E-04	1.39E-04	1.34E-04	1.04E-04	6.82E-05
6060	563076.5	4235486	1.05E-03	9.35E-04	1.78E-04	1.50E-04	8.46E-04	6.86E-04	1.39E-04	1.33E-04	1.03E-04	6.79E-05
6061	563066.1	4235484	1.04E-03	9.28E-04	1.76E-04	1.49E-04	8.40E-04	6.81E-04	1.38E-04	1.32E-04	1.03E-04	6.74E-05
6062	563055.7	4235482	1.03E-03	9.17E-04	1.74E-04	1.47E-04	8.30E-04	6.73E-04	1.36E-04	1.30E-04	1.02E-04	6.66E-05
6063	563045.3	4235480	1.01E-03	9.05E-04	1.72E-04	1.45E-04	8.19E-04	6.64E-04	1.34E-04	1.29E-04	1.00E-04	6.57E-05
6064	563035	4235478	9.98E-04	8.90E-04	1.69E-04	1.43E-04	8.06E-04	6.53E-04	1.32E-04	1.27E-04	9.86E-05	6.47E-05
6065	563024.6	4235476	9.80E-04	8.74E-04	1.66E-04	1.40E-04	7.91E-04	6.41E-04	1.30E-04	1.24E-04	9.67E-05	6.35E-05
6066	563014.2	4235474	9.60E-04	8.56E-04	1.63E-04	1.37E-04	7.75E-04	6.28E-04	1.27E-04	1.22E-04	9.48E-05	6.22E-05
6067	563003.8	4235472	9.38E-04	8.37E-04	1.59E-04	1.34E-04	7.58E-04	6.14E-04	1.24E-04	1.19E-04	9.27E-05	6.08E-05
6068	562993.5	4235470	9.16E-04	8.17E-04	1.55E-04	1.31E-04	7.39E-04	5.99E-04	1.21E-04	1.16E-04	9.04E-05	5.94E-05
6069	562983.1	4235468	8.92E-04	7.96E-04	1.51E-04	1.28E-04	7.21E-04	5.84E-04	1.18E-04	1.13E-04	8.81E-05	5.78E-05
6070	563629.4	4235392	4.81E-04	4.29E-04	8.17E-05	6.89E-05	3.89E-04	3.15E-04	6.37E-05	6.11E-05	4.75E-05	3.12E-05
6071	563646.6	4235428	4.45E-04	3.97E-04	7.55E-05	6.36E-05	3.59E-04	2.91E-04	5.88E-05	5.65E-05	4.39E-05	2.88E-05
6072	563636.9	4235432	4.54E-04	4.05E-04	7.70E-05	6.49E-05	3.67E-04	2.97E-04	6.00E-05	5.76E-05	4.48E-05	2.94E-05
6073	563627.3	4235436	4.62E-04	4.12E-04	7.84E-05	6.60E-05	3.73E-04	3.02E-04	6.11E-05	5.86E-05	4.56E-05	2.99E-05
6074	563617.7	4235441	4.69E-04	4.18E-04	7.95E-05	6.70E-05	3.78E-04	3.07E-04	6.20E-05	5.95E-05	4.63E-05	3.04E-05
6075	563608	4235445	4.75E-04	4.24E-04	8.06E-05	6.79E-05	3.84E-04	3.11E-04	6.28E-05	6.03E-05	4.69E-05	3.08E-05
6076	563598.4	4235449	4.81E-04	4.29E-04	8.17E-05	6.88E-05	3.89E-04	3.15E-04	6.37E-05	6.11E-05	4.75E-05	3.12E-05
6077	563588.8	4235453	4.88E-04	4.36E-04	8.28E-05	6.98E-05	3.94E-04	3.19E-04	6.46E-05	6.19E-05	4.82E-05	3.16E-05
6078	563579.2	4235457	4.95E-04	4.42E-04	8.40E-05	7.08E-05	4.00E-04	3.24E-04	6.55E-05	6.28E-05	4.89E-05	3.21E-05
6079	563569.5	4235461	5.02E-04	4.48E-04	8.52E-05	7.18E-05	4.06E-04	3.29E-04	6.64E-05	6.37E-05	4.96E-05	3.26E-05
6080	563559.9	4235466	5.10E-04	4.55E-04	8.66E-05	7.30E-05	4.12E-04	3.34E-04	6.75E-05	6.47E-05	5.04E-05	3.31E-05
6081	563550.3	4235470	5.17E-04	4.61E-04	8.77E-05	7.39E-05	4.17E-04	3.38E-04	6.83E-05	6.56E-05	5.10E-05	3.35E-05
6082	563540.6	4235474	5.21E-04	4.65E-04	8.84E-05	7.45E-05	4.21E-04	3.41E-04	6.89E-05	6.61E-05	5.14E-05	3.38E-05
6083	563531	4235478	5.25E-04	4.68E-04	8.91E-05	7.51E-05	4.24E-04	3.43E-04	6.94E-05	6.66E-05	5.18E-05	3.40E-05
6084	563521.4	4235482	5.28E-04	4.71E-04	8.97E-05	7.56E-05	4.27E-04	3.46E-04	6.99E-05	6.71E-05	5.22E-05	3.43E-05
6085	563511.7	4235486	5.32E-04	4.74E-04	9.03E-05	7.61E-05	4.29E-04	3.48E-04	7.03E-05	6.75E-05	5.25E-05	3.45E-05
6086	563502.1	4235491	5.35E-04	4.78E-04	9.09E-05	7.66E-05	4.32E-04	3.50E-04	7.08E-05	6.79E-05	5.29E-05	3.47E-05
6087	563492.5	4235495	5.40E-04	4.82E-04	9.16E-05	7.72E-05	4.36E-04	3.53E-04	7.14E-05	6.85E-05	5.33E-05	3.50E-05
6088	563482.8	4235499	5.45E-04	4.87E-04	9.25E-05	7.80E-05	4.40E-04	3.57E-04	7.21E-05	6.92E-05	5.39E-05	3.53E-05
6089	563473.2	4235503	5.53E-04	4.93E-04	9.39E-05	7.91E-05	4.47E-04	3.62E-04	7.32E-05	7.02E-05	5.46E-05	3.59E-05
6090	563463.6	4235507	5.62E-04	5.01E-04	9.53E-05	8.03E-05	4.53E-04	3.67E-04	7.43E-05	7.13E-05	5.55E-05	3.64E-05
6091	563453.9	4235511	5.71E-04	5.09E-04	9.68E-05	8.16E-05	4.61E-04	3.73E-04	7.54E-05	7.24E-05	5.63E-05	3.70E-05
6092	563444.3	4235516	5.79E-04	5.17E-04	9.83E-05	8.28E-05	4.68E-04	3.79E-04	7.66E-05	7.35E-05	5.72E-05	3.75E-05
6093	563434.7	4235520	5.88E-04	5.24E-04	9.97E-05	8.40E-05	4.74E-04	3.84E-04	7.77E-05	7.46E-05	5.80E-05	3.81E-05

6094	563425	4235524	5.96E-04	5.31E-04	1.01E-04	8.52E-05	4.81E-04	3.90E-04	7.88E-05	7.56E-05	5.88E-05	3.86E-05
6095	563415.4	4235528	6.04E-04	5.39E-04	1.02E-04	8.63E-05	4.87E-04	3.95E-04	7.98E-05	7.66E-05	5.96E-05	3.91E-05
6096	563405.8	4235532	6.11E-04	5.45E-04	1.04E-04	8.74E-05	4.94E-04	4.00E-04	8.09E-05	7.76E-05	6.04E-05	3.96E-05
6097	563396.1	4235536	6.19E-04	5.52E-04	1.05E-04	8.86E-05	5.00E-04	4.05E-04	8.19E-05	7.86E-05	6.12E-05	4.01E-05
6098	563386.5	4235541	6.29E-04	5.61E-04	1.07E-04	8.99E-05	5.08E-04	4.11E-04	8.31E-05	7.98E-05	6.21E-05	4.07E-05
6099	563376.9	4235545	6.39E-04	5.70E-04	1.08E-04	9.13E-05	5.16E-04	4.18E-04	8.45E-05	8.10E-05	6.31E-05	4.14E-05
6100	563367.2	4235549	6.49E-04	5.79E-04	1.10E-04	9.28E-05	5.24E-04	4.24E-04	8.58E-05	8.23E-05	6.41E-05	4.20E-05
6101	563357.6	4235553	6.59E-04	5.88E-04	1.12E-04	9.42E-05	5.32E-04	4.31E-04	8.71E-05	8.36E-05	6.50E-05	4.27E-05
6102	563348	4235557	6.69E-04	5.96E-04	1.13E-04	9.56E-05	5.40E-04	4.38E-04	8.84E-05	8.48E-05	6.60E-05	4.33E-05
6103	563338.3	4235561	6.78E-04	6.05E-04	1.15E-04	9.70E-05	5.48E-04	4.44E-04	8.97E-05	8.61E-05	6.70E-05	4.40E-05
6104	563328.7	4235566	6.88E-04	6.14E-04	1.17E-04	9.84E-05	5.55E-04	4.50E-04	9.10E-05	8.73E-05	6.79E-05	4.46E-05
6105	563319.1	4235570	6.97E-04	6.22E-04	1.18E-04	9.97E-05	5.63E-04	4.56E-04	9.22E-05	8.85E-05	6.89E-05	4.52E-05
6106	563309.1	4235571	7.11E-04	6.34E-04	1.21E-04	1.02E-04	5.74E-04	4.65E-04	9.40E-05	9.02E-05	7.02E-05	4.61E-05
6107	563298.8	4235569	7.29E-04	6.51E-04	1.24E-04	1.04E-04	5.89E-04	4.77E-04	9.65E-05	9.26E-05	7.20E-05	4.73E-05
6108	563288.5	4235567	7.48E-04	6.67E-04	1.27E-04	1.07E-04	6.04E-04	4.89E-04	9.89E-05	9.49E-05	7.39E-05	4.85E-05
6109	563278.2	4235565	7.66E-04	6.84E-04	1.30E-04	1.10E-04	6.19E-04	5.02E-04	1.01E-04	9.73E-05	7.57E-05	4.97E-05
6110	563267.9	4235563	7.85E-04	7.00E-04	1.33E-04	1.12E-04	6.34E-04	5.14E-04	1.04E-04	9.96E-05	7.75E-05	5.09E-05
6111	563257.6	4235561	8.03E-04	7.16E-04	1.36E-04	1.15E-04	6.48E-04	5.25E-04	1.06E-04	1.02E-04	7.93E-05	5.20E-05
6112	563247.3	4235559	8.20E-04	7.32E-04	1.39E-04	1.17E-04	6.62E-04	5.37E-04	1.08E-04	1.04E-04	8.10E-05	5.32E-05
6113	563237	4235557	8.38E-04	7.47E-04	1.42E-04	1.20E-04	6.76E-04	5.48E-04	1.11E-04	1.06E-04	8.27E-05	5.43E-05
6114	563226.7	4235555	8.54E-04	7.62E-04	1.45E-04	1.22E-04	6.90E-04	5.59E-04	1.13E-04	1.08E-04	8.43E-05	5.53E-05
6115	563216.4	4235553	8.70E-04	7.76E-04	1.48E-04	1.24E-04	7.02E-04	5.69E-04	1.15E-04	1.10E-04	8.59E-05	5.64E-05
6116	563206.1	4235551	8.85E-04	7.89E-04	1.50E-04	1.27E-04	7.14E-04	5.79E-04	1.17E-04	1.12E-04	8.74E-05	5.73E-05
6117	563195.8	4235549	8.99E-04	8.02E-04	1.52E-04	1.29E-04	7.26E-04	5.88E-04	1.19E-04	1.14E-04	8.87E-05	5.82E-05
6118	563185.5	4235547	9.11E-04	8.13E-04	1.55E-04	1.30E-04	7.36E-04	5.96E-04	1.21E-04	1.16E-04	9.00E-05	5.91E-05
6119	563175.2	4235545	9.23E-04	8.23E-04	1.57E-04	1.32E-04	7.45E-04	6.04E-04	1.22E-04	1.17E-04	9.12E-05	5.98E-05
6120	563164.9	4235543	9.33E-04	8.33E-04	1.58E-04	1.33E-04	7.54E-04	6.11E-04	1.23E-04	1.18E-04	9.22E-05	6.05E-05
6121	563154.6	4235541	9.42E-04	8.41E-04	1.60E-04	1.35E-04	7.61E-04	6.17E-04	1.25E-04	1.20E-04	9.31E-05	6.11E-05
6122	563144.3	4235539	9.50E-04	8.47E-04	1.61E-04	1.36E-04	7.67E-04	6.21E-04	1.26E-04	1.21E-04	9.38E-05	6.15E-05
6123	563134	4235537	9.55E-04	8.52E-04	1.62E-04	1.37E-04	7.71E-04	6.25E-04	1.26E-04	1.21E-04	9.43E-05	6.19E-05
6124	563123.7	4235535	9.59E-04	8.56E-04	1.63E-04	1.37E-04	7.75E-04	6.28E-04	1.27E-04	1.22E-04	9.47E-05	6.22E-05
6125	563113.4	4235533	9.61E-04	8.58E-04	1.63E-04	1.37E-04	7.76E-04	6.29E-04	1.27E-04	1.22E-04	9.49E-05	6.23E-05
6126	563103.1	4235531	9.61E-04	8.58E-04	1.63E-04	1.37E-04	7.76E-04	6.29E-04	1.27E-04	1.22E-04	9.49E-05	6.23E-05
6127	563092.8	4235529	9.60E-04	8.56E-04	1.63E-04	1.37E-04	7.75E-04	6.28E-04	1.27E-04	1.22E-04	9.48E-05	6.22E-05
6128	563082.5	4235527	9.57E-04	8.54E-04	1.62E-04	1.37E-04	7.73E-04	6.26E-04	1.27E-04	1.21E-04	9.45E-05	6.20E-05
6129	563072.2	4235525	9.53E-04	8.50E-04	1.62E-04	1.36E-04	7.69E-04	6.23E-04	1.26E-04	1.21E-04	9.41E-05	6.17E-05
6130	563061.9	4235523	9.46E-04	8.44E-04	1.61E-04	1.35E-04	7.64E-04	6.19E-04	1.25E-04	1.20E-04	9.35E-05	6.13E-05
6131	563051.6	4235521	9.37E-04	8.36E-04	1.59E-04	1.34E-04	7.57E-04	6.13E-04	1.24E-04	1.19E-04	9.26E-05	6.07E-05
6132	563041.3	4235518	9.26E-04	8.26E-04	1.57E-04	1.32E-04	7.48E-04	6.06E-04	1.22E-04	1.18E-04	9.15E-05	6.00E-05
6133	563031	4235516	9.14E-04	8.15E-04	1.55E-04	1.31E-04	7.38E-04	5.98E-04	1.21E-04	1.16E-04	9.02E-05	5.92E-05
6134	563020.7	4235514	9.00E-04	8.03E-04	1.53E-04	1.29E-04	7.27E-04	5.89E-04	1.19E-04	1.14E-04	8.89E-05	5.83E-05
6135	563010.4	4235512	8.84E-04	7.89E-04	1.50E-04	1.26E-04	7.14E-04	5.79E-04	1.17E-04	1.12E-04	8.73E-05	5.73E-05
6136	563000.1	4235510	8.67E-04	7.73E-04	1.47E-04	1.24E-04	7.00E-04	5.67E-04	1.15E-04	1.10E-04	8.56E-05	5.62E-05
6137	562989.8	4235508	8.48E-04	7.56E-04	1.44E-04	1.21E-04	6.85E-04	5.55E-04	1.12E-04	1.08E-04	8.37E-05	5.49E-05
6138	562979.5	4235506	8.28E-04	7.39E-04	1.40E-04	1.18E-04	6.68E-04	5.42E-04	1.09E-04	1.05E-04	8.18E-05	5.37E-05
6139	562969.2	4235504	8.07E-04	7.20E-04	1.37E-04	1.15E-04	6.52E-04	5.28E-04	1.07E-04	1.02E-04	7.97E-05	5.23E-05
6140	563655.4	4235422	4.37E-04	3.90E-04	7.42E-05	6.25E-05	3.53E-04	2.86E-04	5.78E-05	5.55E-05	4.32E-05	2.83E-05
6141	563672.6	4235458	4.06E-04	3.62E-04	6.88E-05	5.80E-05	3.27E-04	2.65E-04	5.36E-05	5.15E-05	4.01E-05	2.63E-05
6142	563662.9	4235463	4.14E-04	3.69E-04	7.02E-05	5.92E-05	3.34E-04	2.71E-04	5.47E-05	5.25E-05	4.09E-05	2.68E-05
6143	563653.2	4235467	4.21E-04	3.76E-04	7.15E-05	6.03E-05	3.40E-04	2.76E-04	5.57E-05	5.35E-05	4.16E-05	2.73E-05
6144	563643.5	4235471	4.29E-04	3.83E-04	7.28E-05	6.13E-05	3.46E-04	2.81E-04	5.67E-05	5.44E-05	4.24E-05	2.78E-05
6145	563633.8	4235475	4.36E-04	3.89E-04	7.40E-05	6.24E-05	3.52E-04	2.85E-04	5.77E-05	5.53E-05	4.31E-05	2.83E-05
6146	563624.1	4235479	4.42E-04	3.94E-04	7.49E-05	6.32E-05	3.57E-04	2.89E-04	5.84E-05	5.60E-05	4.36E-05	2.86E-05
6147	563614.4	4235484	4.47E-04	3.99E-04	7.59E-05	6.40E-05	3.61E-04	2.93E-04	5.91E-05	5.67E-05	4.42E-05	2.90E-05
6148	563604.7	4235488	4.53E-04	4.04E-04	7.69E-05	6.48E-05	3.66E-04	2.97E-04	5.99E-05	5.75E-05	4.48E-05	2.94E-05
6149	563595	4235492	4.60E-04	4.10E-04	7.80E-05	6.58E-05	3.71E-04	3.01E-04	6.08E-05	5.83E-05	4.54E-05	2.98E-05
6150	563585.3	4235496	4.66E-04	4.16E-04	7.91E-05	6.67E-05	3.76E-04	3.05E-04	6.16E-05	5.91E-05	4.60E-05	3.02E-05
6151	563575.6	4235500	4.71E-04	4.20E-04	7.99E-05	6.73E-05	3.80E-04	3.08E-04	6.22E-05	5.97E-05	4.65E-05	3.05E-05
6152	563565.9	4235505	4.73E-04	4.22E-04	8.03E-05	6.77E-05	3.82E-04	3.10E-04	6.26E-05	6.01E-05	4.68E-05	3.07E-05
6153	563556.2	4235509	4.76E-04	4.24E-04	8.07E-05	6.81E-05	3.84E-04	3.11E-04	6.29E-05	6.04E-05	4.70E-05	3.08E-05
6154	563546.5	4235513	4.78E-04	4.27E-04	8.12E-05	6.84E-05	3.86E-04	3.13E-04	6.33E-05	6.07E-05	4.73E-05	3.10E-05
6155	563536.8	4235517	4.82E-04	4.30E-04	8.17E-05	6.89E-05	3.89E-04	3.15E-04	6.37E-05	6.11E-05	4.76E-05	3.12E-05
6156	563527.1	4235521	4.85E-04	4.33E-04	8.24E-05	6.94E-05	3.92E-04	3.18E-04	6.42E-05	6.16E-05	4.79E-05	3.15E-05
6157	563517.4	4235526	4.89E-04	4.36E-04	8.30E-05	7.00E-05	3.95E-04	3.20E-04	6.47E-05	6.21E-05	4.83E-05	3.17E-05
6158	563507.7	4235530	4.94E-04	4.41E-04	8.39E-05	7.07E-05	3.99E-04	3.24E-04	6.54E-05	6.27E-05	4.88E-05	3.20E-05
6159	563498	4235534	5.01E-04	4.47E-04	8.50E-05	7.16E-05	4.05E-04	3.28E-04	6.63E-05	6.36E-05	4.95E-05	3.25E-05
6160	563488.3	4235538	5.08E-04	4.53E-04	8.62E-05	7.27E-05	4.10E-04	3.33E-04	6.72E-05	6.45E-05	5.02E-05	3.29E-05

6161	563478.6	4235542	5.16E-04	4.60E-04	8.75E-05	7.38E-05	4.16E-04	3.37E-04	6.82E-05	6.54E-05	5.09E-05	3.34E-05
6162	563468.9	4235547	5.23E-04	4.66E-04	8.87E-05	7.48E-05	4.22E-04	3.42E-04	6.91E-05	6.63E-05	5.16E-05	3.39E-05
6163	563459.2	4235551	5.30E-04	4.73E-04	8.99E-05	7.58E-05	4.28E-04	3.47E-04	7.01E-05	6.72E-05	5.23E-05	3.43E-05
6164	563449.5	4235555	5.37E-04	4.79E-04	9.11E-05	7.67E-05	4.33E-04	3.51E-04	7.10E-05	6.81E-05	5.30E-05	3.48E-05
6165	563439.8	4235559	5.43E-04	4.85E-04	9.22E-05	7.77E-05	4.39E-04	3.55E-04	7.18E-05	6.89E-05	5.36E-05	3.52E-05
6166	563430.1	4235563	5.50E-04	4.91E-04	9.33E-05	7.87E-05	4.44E-04	3.60E-04	7.27E-05	6.98E-05	5.43E-05	3.57E-05
6167	563420.4	4235568	5.57E-04	4.97E-04	9.45E-05	7.97E-05	4.50E-04	3.65E-04	7.37E-05	7.07E-05	5.50E-05	3.61E-05
6168	563410.7	4235572	5.64E-04	5.03E-04	9.58E-05	8.07E-05	4.56E-04	3.69E-04	7.46E-05	7.16E-05	5.57E-05	3.66E-05
6169	563401	4235576	5.72E-04	5.10E-04	9.71E-05	8.18E-05	4.62E-04	3.74E-04	7.56E-05	7.26E-05	5.65E-05	3.71E-05
6170	563391.3	4235580	5.80E-04	5.18E-04	9.84E-05	8.30E-05	4.68E-04	3.80E-04	7.67E-05	7.36E-05	5.73E-05	3.76E-05
6171	563381.6	4235584	5.89E-04	5.25E-04	9.99E-05	8.42E-05	4.76E-04	3.85E-04	7.79E-05	7.47E-05	5.82E-05	3.82E-05
6172	563371.9	4235589	5.98E-04	5.33E-04	1.01E-04	8.55E-05	4.83E-04	3.91E-04	7.91E-05	7.59E-05	5.90E-05	3.87E-05
6173	563362.2	4235593	6.07E-04	5.41E-04	1.03E-04	8.68E-05	4.90E-04	3.97E-04	8.02E-05	7.70E-05	5.99E-05	3.93E-05
6174	563352.5	4235597	6.15E-04	5.49E-04	1.04E-04	8.80E-05	4.97E-04	4.03E-04	8.14E-05	7.81E-05	6.08E-05	3.99E-05
6175	563342.8	4235601	6.24E-04	5.57E-04	1.06E-04	8.93E-05	5.04E-04	4.08E-04	8.25E-05	7.92E-05	6.16E-05	4.04E-05
6176	563333.1	4235605	6.33E-04	5.64E-04	1.07E-04	9.05E-05	5.11E-04	4.14E-04	8.37E-05	8.03E-05	6.25E-05	4.10E-05
6177	563323.4	4235610	6.41E-04	5.72E-04	1.09E-04	9.16E-05	5.17E-04	4.19E-04	8.47E-05	8.13E-05	6.33E-05	4.15E-05
6178	563313.4	4235611	6.53E-04	5.83E-04	1.11E-04	9.34E-05	5.27E-04	4.27E-04	8.64E-05	8.29E-05	6.45E-05	4.23E-05
6179	563303	4235609	6.69E-04	5.97E-04	1.14E-04	9.57E-05	5.40E-04	4.38E-04	8.85E-05	8.49E-05	6.61E-05	4.34E-05
6180	563292.6	4235607	6.86E-04	6.12E-04	1.16E-04	9.81E-05	5.54E-04	4.49E-04	9.07E-05	8.70E-05	6.77E-05	4.44E-05
6181	563282.3	4235605	7.02E-04	6.26E-04	1.19E-04	1.00E-04	5.67E-04	4.59E-04	9.28E-05	8.91E-05	6.93E-05	4.55E-05
6182	563271.9	4235603	7.18E-04	6.41E-04	1.22E-04	1.03E-04	5.80E-04	4.70E-04	9.50E-05	9.11E-05	7.09E-05	4.65E-05
6183	563261.5	4235600	7.34E-04	6.55E-04	1.25E-04	1.05E-04	5.93E-04	4.80E-04	9.71E-05	9.31E-05	7.25E-05	4.76E-05
6184	563251.1	4235598	7.50E-04	6.69E-04	1.27E-04	1.07E-04	6.05E-04	4.91E-04	9.91E-05	9.51E-05	7.40E-05	4.86E-05
6185	563240.8	4235596	7.65E-04	6.82E-04	1.30E-04	1.09E-04	6.18E-04	5.01E-04	1.01E-04	9.71E-05	7.55E-05	4.96E-05
6186	563230.4	4235594	7.80E-04	6.95E-04	1.32E-04	1.11E-04	6.29E-04	5.10E-04	1.03E-04	9.89E-05	7.70E-05	5.05E-05
6187	563220	4235592	7.94E-04	7.08E-04	1.35E-04	1.14E-04	6.41E-04	5.19E-04	1.05E-04	1.01E-04	7.84E-05	5.14E-05
6188	563209.7	4235590	8.07E-04	7.20E-04	1.37E-04	1.15E-04	6.52E-04	5.28E-04	1.07E-04	1.02E-04	7.97E-05	5.23E-05
6189	563199.3	4235588	8.20E-04	7.31E-04	1.39E-04	1.17E-04	6.62E-04	5.37E-04	1.08E-04	1.04E-04	8.10E-05	5.31E-05
6190	563188.9	4235586	8.32E-04	7.42E-04	1.41E-04	1.19E-04	6.71E-04	5.44E-04	1.10E-04	1.06E-04	8.21E-05	5.39E-05
6191	563178.5	4235584	8.42E-04	7.51E-04	1.43E-04	1.20E-04	6.80E-04	5.51E-04	1.11E-04	1.07E-04	8.32E-05	5.46E-05
6192	563168.2	4235582	8.52E-04	7.60E-04	1.45E-04	1.22E-04	6.88E-04	5.58E-04	1.13E-04	1.08E-04	8.42E-05	5.52E-05
6193	563157.8	4235580	8.61E-04	7.68E-04	1.46E-04	1.23E-04	6.95E-04	5.63E-04	1.14E-04	1.09E-04	8.50E-05	5.58E-05
6194	563147.4	4235578	8.68E-04	7.74E-04	1.47E-04	1.24E-04	7.01E-04	5.68E-04	1.15E-04	1.10E-04	8.57E-05	5.62E-05
6195	563137	4235576	8.74E-04	7.80E-04	1.48E-04	1.25E-04	7.06E-04	5.72E-04	1.16E-04	1.11E-04	8.63E-05	5.66E-05
6196	563126.7	4235574	8.78E-04	7.84E-04	1.49E-04	1.26E-04	7.09E-04	5.75E-04	1.16E-04	1.11E-04	8.67E-05	5.69E-05
6197	563116.3	4235572	8.81E-04	7.86E-04	1.50E-04	1.26E-04	7.12E-04	5.77E-04	1.17E-04	1.12E-04	8.70E-05	5.71E-05
6198	563105.9	4235570	8.83E-04	7.87E-04	1.50E-04	1.26E-04	7.13E-04	5.78E-04	1.17E-04	1.12E-04	8.72E-05	5.72E-05
6199	563095.6	4235568	8.82E-04	7.87E-04	1.50E-04	1.26E-04	7.12E-04	5.77E-04	1.17E-04	1.12E-04	8.71E-05	5.72E-05
6200	563085.2	4235566	8.80E-04	7.85E-04	1.49E-04	1.26E-04	7.11E-04	5.76E-04	1.16E-04	1.12E-04	8.69E-05	5.70E-05
6201	563074.8	4235564	8.76E-04	7.82E-04	1.49E-04	1.25E-04	7.08E-04	5.74E-04	1.16E-04	1.11E-04	8.66E-05	5.68E-05
6202	563064.4	4235562	8.71E-04	7.77E-04	1.48E-04	1.25E-04	7.03E-04	5.70E-04	1.15E-04	1.10E-04	8.60E-05	5.64E-05
6203	563054.1	4235560	8.63E-04	7.70E-04	1.47E-04	1.23E-04	6.97E-04	5.65E-04	1.14E-04	1.10E-04	8.53E-05	5.60E-05
6204	563043.7	4235558	8.54E-04	7.62E-04	1.45E-04	1.22E-04	6.90E-04	5.59E-04	1.13E-04	1.08E-04	8.44E-05	5.54E-05
6205	563033.3	4235556	8.44E-04	7.53E-04	1.43E-04	1.21E-04	6.81E-04	5.52E-04	1.12E-04	1.07E-04	8.33E-05	5.47E-05
6206	563022.9	4235554	8.33E-04	7.43E-04	1.41E-04	1.19E-04	6.72E-04	5.45E-04	1.10E-04	1.06E-04	8.23E-05	5.40E-05
6207	563012.6	4235552	8.21E-04	7.32E-04	1.39E-04	1.17E-04	6.63E-04	5.37E-04	1.09E-04	1.04E-04	8.11E-05	5.32E-05
6208	563002.2	4235550	8.08E-04	7.21E-04	1.37E-04	1.16E-04	6.53E-04	5.29E-04	1.07E-04	1.03E-04	7.98E-05	5.24E-05
6209	562991.8	4235548	7.93E-04	7.07E-04	1.35E-04	1.13E-04	6.40E-04	5.19E-04	1.05E-04	1.01E-04	7.83E-05	5.14E-05
6210	562981.5	4235546	7.77E-04	6.93E-04	1.32E-04	1.11E-04	6.27E-04	5.08E-04	1.03E-04	9.86E-05	7.67E-05	5.03E-05
6211	562971.1	4235544	7.59E-04	6.77E-04	1.29E-04	1.09E-04	6.13E-04	4.97E-04	1.00E-04	9.63E-05	7.50E-05	4.92E-05
6212	562960.7	4235542	7.39E-04	6.59E-04	1.25E-04	1.06E-04	5.96E-04	4.83E-04	9.77E-05	9.37E-05	7.29E-05	4.79E-05
6213	562950.3	4235540	7.17E-04	6.40E-04	1.22E-04	1.03E-04	5.79E-04	4.69E-04	9.49E-05	9.10E-05	7.09E-05	4.65E-05
6214	563698.7	4235489	3.72E-04	3.32E-04	6.31E-05	5.32E-05	3.00E-04	2.43E-04	4.92E-05	4.72E-05	3.67E-05	2.41E-05
6215	563689	4235493	3.78E-04	3.38E-04	6.42E-05	5.41E-05	3.06E-04	2.48E-04	5.01E-05	4.80E-05	3.74E-05	2.45E-05
6216	563679.4	4235497	3.85E-04	3.44E-04	6.54E-05	5.51E-05	3.11E-04	2.52E-04	5.10E-05	4.89E-05	3.81E-05	2.50E-05
6217	563669.8	4235501	3.92E-04	3.50E-04	6.65E-05	5.61E-05	3.17E-04	2.57E-04	5.19E-05	4.98E-05	3.87E-05	2.54E-05
6218	563660.1	4235505	3.98E-04	3.55E-04	6.76E-05	5.70E-05	3.22E-04	2.61E-04	5.27E-05	5.05E-05	3.93E-05	2.58E-05
6219	563650.5	4235510	4.04E-04	3.61E-04	6.86E-05	5.78E-05	3.27E-04	2.65E-04	5.35E-05	5.13E-05	3.99E-05	2.62E-05
6220	563640.9	4235514	4.11E-04	3.66E-04	6.97E-05	5.87E-05	3.31E-04	2.69E-04	5.43E-05	5.21E-05	4.05E-05	2.66E-05
6221	563631.2	4235518	4.16E-04	3.72E-04	7.07E-05	5.96E-05	3.36E-04	2.73E-04	5.51E-05	5.28E-05	4.11E-05	2.70E-05
6222	563621.6	4235522	4.22E-04	3.77E-04	7.17E-05	6.04E-05	3.41E-04	2.76E-04	5.59E-05	5.36E-05	4.17E-05	2.74E-05
6223	563612	4235526	4.27E-04	3.81E-04	7.24E-05	6.10E-05	3.45E-04	2.79E-04	5.64E-05	5.41E-05	4.21E-05	2.77E-05
6224	563602.3	4235530	4.30E-04	3.84E-04	7.30E-05	6.15E-05	3.47E-04	2.82E-04	5.69E-05	5.46E-05	4.25E-05	2.79E-05
6225	563592.7	4235535	4.33E-04	3.87E-04	7.35E-05	6.20E-05	3.50E-04	2.84E-04	5.73E-05	5.50E-05	4.28E-05	2.81E-05
6226	563583	4235539	4.36E-04	3.89E-04	7.40E-05	6.24E-05	3.52E-04	2.86E-04	5.77E-05	5.54E-05	4.31E-05	2.83E-05
6227	563573.4	4235543	4.39E-04	3.92E-04	7.45E-05	6.28E-05	3.55E-04	2.88E-04	5.81E-05	5.57E-05	4.34E-05	2.85E-05

6228	563563.8	4235547	4.42E-04	3.95E-04	7.50E-05	6.33E-05	3.57E-04	2.89E-04	5.85E-05	5.61E-05	4.37E-05	2.87E-05
6229	563554.1	4235551	4.45E-04	3.97E-04	7.56E-05	6.37E-05	3.60E-04	2.91E-04	5.89E-05	5.65E-05	4.40E-05	2.89E-05
6230	563544.5	4235555	4.48E-04	4.00E-04	7.61E-05	6.41E-05	3.62E-04	2.93E-04	5.93E-05	5.69E-05	4.43E-05	2.91E-05
6231	563534.9	4235560	4.53E-04	4.04E-04	7.69E-05	6.48E-05	3.66E-04	2.97E-04	6.00E-05	5.75E-05	4.48E-05	2.94E-05
6232	563525.2	4235564	4.59E-04	4.10E-04	7.79E-05	6.57E-05	3.71E-04	3.01E-04	6.07E-05	5.83E-05	4.54E-05	2.98E-05
6233	563515.6	4235568	4.65E-04	4.15E-04	7.90E-05	6.65E-05	3.76E-04	3.04E-04	6.15E-05	5.90E-05	4.60E-05	3.02E-05
6234	563506	4235572	4.70E-04	4.19E-04	7.97E-05	6.72E-05	3.79E-04	3.08E-04	6.21E-05	5.96E-05	4.64E-05	3.05E-05
6235	563496.3	4235576	4.75E-04	4.23E-04	8.05E-05	6.79E-05	3.83E-04	3.11E-04	6.28E-05	6.02E-05	4.69E-05	3.08E-05
6236	563486.7	4235580	4.80E-04	4.28E-04	8.14E-05	6.86E-05	3.87E-04	3.14E-04	6.34E-05	6.09E-05	4.74E-05	3.11E-05
6237	563477	4235585	4.84E-04	4.32E-04	8.22E-05	6.93E-05	3.91E-04	3.17E-04	6.40E-05	6.14E-05	4.78E-05	3.14E-05
6238	563467.4	4235589	4.89E-04	4.36E-04	8.29E-05	6.99E-05	3.94E-04	3.20E-04	6.46E-05	6.20E-05	4.82E-05	3.17E-05
6239	563457.8	4235593	4.93E-04	4.40E-04	8.36E-05	7.05E-05	3.98E-04	3.22E-04	6.52E-05	6.25E-05	4.87E-05	3.19E-05
6240	563448.1	4235597	4.98E-04	4.44E-04	8.45E-05	7.12E-05	4.02E-04	3.26E-04	6.59E-05	6.32E-05	4.92E-05	3.23E-05
6241	563438.5	4235601	5.05E-04	4.50E-04	8.57E-05	7.22E-05	4.08E-04	3.30E-04	6.68E-05	6.41E-05	4.99E-05	3.27E-05
6242	563428.9	4235606	5.12E-04	4.57E-04	8.69E-05	7.32E-05	4.13E-04	3.35E-04	6.77E-05	6.50E-05	5.06E-05	3.32E-05
6243	563419.2	4235610	5.19E-04	4.63E-04	8.81E-05	7.43E-05	4.19E-04	3.40E-04	6.87E-05	6.59E-05	5.13E-05	3.37E-05
6244	563409.6	4235614	5.27E-04	4.70E-04	8.94E-05	7.53E-05	4.25E-04	3.45E-04	6.97E-05	6.68E-05	5.20E-05	3.41E-05
6245	563400	4235618	5.34E-04	4.77E-04	9.07E-05	7.64E-05	4.31E-04	3.50E-04	7.07E-05	6.78E-05	5.28E-05	3.46E-05
6246	563390.3	4235622	5.42E-04	4.84E-04	9.20E-05	7.75E-05	4.38E-04	3.55E-04	7.17E-05	6.88E-05	5.35E-05	3.51E-05
6247	563380.7	4235626	5.50E-04	4.90E-04	9.33E-05	7.86E-05	4.44E-04	3.60E-04	7.27E-05	6.98E-05	5.43E-05	3.56E-05
6248	563371	4235631	5.58E-04	4.97E-04	9.46E-05	7.97E-05	4.50E-04	3.65E-04	7.37E-05	7.08E-05	5.51E-05	3.61E-05
6249	563361.4	4235635	5.66E-04	5.04E-04	9.60E-05	8.09E-05	4.57E-04	3.70E-04	7.48E-05	7.18E-05	5.58E-05	3.67E-05
6250	563351.8	4235639	5.74E-04	5.12E-04	9.74E-05	8.21E-05	4.63E-04	3.76E-04	7.59E-05	7.28E-05	5.67E-05	3.72E-05
6251	563342.1	4235643	5.83E-04	5.20E-04	9.89E-05	8.33E-05	4.71E-04	3.81E-04	7.71E-05	7.40E-05	5.76E-05	3.78E-05
6252	563332.5	4235647	5.92E-04	5.28E-04	1.00E-04	8.46E-05	4.78E-04	3.87E-04	7.82E-05	7.51E-05	5.84E-05	3.83E-05
6253	563317.7	4235650	6.07E-04	5.41E-04	1.03E-04	8.67E-05	4.90E-04	3.97E-04	8.02E-05	7.70E-05	5.99E-05	3.93E-05
6254	563307.4	4235648	6.21E-04	5.54E-04	1.05E-04	8.88E-05	5.01E-04	4.06E-04	8.21E-05	7.88E-05	6.13E-05	4.02E-05
6255	563297.1	4235646	6.34E-04	5.66E-04	1.08E-04	9.07E-05	5.12E-04	4.15E-04	8.38E-05	8.05E-05	6.26E-05	4.11E-05
6256	563286.8	4235644	6.47E-04	5.77E-04	1.10E-04	9.25E-05	5.22E-04	4.23E-04	8.55E-05	8.21E-05	6.39E-05	4.19E-05
6257	563276.5	4235642	6.60E-04	5.88E-04	1.12E-04	9.43E-05	5.33E-04	4.32E-04	8.72E-05	8.37E-05	6.51E-05	4.28E-05
6258	563266.2	4235640	6.73E-04	6.01E-04	1.14E-04	9.63E-05	5.44E-04	4.41E-04	8.91E-05	8.54E-05	6.65E-05	4.36E-05
6259	563255.9	4235638	6.87E-04	6.13E-04	1.17E-04	9.83E-05	5.55E-04	4.50E-04	9.09E-05	8.72E-05	6.79E-05	4.45E-05
6260	563245.6	4235636	7.01E-04	6.25E-04	1.19E-04	1.00E-04	5.66E-04	4.58E-04	9.27E-05	8.89E-05	6.92E-05	4.54E-05
6261	563235.3	4235634	7.14E-04	6.37E-04	1.21E-04	1.02E-04	5.76E-04	4.67E-04	9.44E-05	9.06E-05	7.05E-05	4.63E-05
6262	563225	4235632	7.26E-04	6.48E-04	1.23E-04	1.04E-04	5.86E-04	4.75E-04	9.60E-05	9.22E-05	7.17E-05	4.71E-05
6263	563214.7	4235630	7.38E-04	6.59E-04	1.25E-04	1.06E-04	5.96E-04	4.83E-04	9.76E-05	9.37E-05	7.29E-05	4.79E-05
6264	563204.4	4235628	7.50E-04	6.69E-04	1.27E-04	1.07E-04	6.05E-04	4.91E-04	9.92E-05	9.51E-05	7.41E-05	4.86E-05
6265	563194.1	4235626	7.61E-04	6.78E-04	1.29E-04	1.09E-04	6.14E-04	4.98E-04	1.01E-04	9.65E-05	7.51E-05	4.93E-05
6266	563183.7	4235624	7.71E-04	6.87E-04	1.31E-04	1.10E-04	6.22E-04	5.04E-04	1.02E-04	9.78E-05	7.61E-05	4.99E-05
6267	563173.4	4235622	7.80E-04	6.96E-04	1.32E-04	1.12E-04	6.30E-04	5.10E-04	1.03E-04	9.89E-05	7.70E-05	5.05E-05
6268	563163.1	4235620	7.88E-04	7.03E-04	1.34E-04	1.13E-04	6.36E-04	5.16E-04	1.04E-04	1.00E-04	7.78E-05	5.11E-05
6269	563152.8	4235618	7.95E-04	7.09E-04	1.35E-04	1.14E-04	6.42E-04	5.20E-04	1.05E-04	1.01E-04	7.85E-05	5.15E-05
6270	563142.5	4235616	8.01E-04	7.15E-04	1.36E-04	1.15E-04	6.47E-04	5.24E-04	1.06E-04	1.02E-04	7.91E-05	5.19E-05
6271	563132.2	4235614	8.06E-04	7.19E-04	1.37E-04	1.15E-04	6.51E-04	5.28E-04	1.07E-04	1.02E-04	7.96E-05	5.23E-05
6272	563121.9	4235612	8.10E-04	7.23E-04	1.37E-04	1.16E-04	6.54E-04	5.30E-04	1.07E-04	1.03E-04	8.00E-05	5.25E-05
6273	563111.6	4235610	8.13E-04	7.25E-04	1.38E-04	1.16E-04	6.56E-04	5.32E-04	1.07E-04	1.03E-04	8.03E-05	5.27E-05
6274	563101.3	4235608	8.14E-04	7.26E-04	1.38E-04	1.16E-04	6.57E-04	5.33E-04	1.08E-04	1.03E-04	8.04E-05	5.27E-05
6275	563091	4235606	8.14E-04	7.26E-04	1.38E-04	1.16E-04	6.57E-04	5.32E-04	1.08E-04	1.03E-04	8.04E-05	5.27E-05
6276	563080.7	4235604	8.12E-04	7.24E-04	1.38E-04	1.16E-04	6.56E-04	5.31E-04	1.07E-04	1.03E-04	8.02E-05	5.26E-05
6277	563070.4	4235602	8.09E-04	7.22E-04	1.37E-04	1.16E-04	6.53E-04	5.29E-04	1.07E-04	1.03E-04	7.99E-05	5.24E-05
6278	563060.1	4235600	8.04E-04	7.17E-04	1.36E-04	1.15E-04	6.49E-04	5.26E-04	1.06E-04	1.02E-04	7.94E-05	5.21E-05
6279	563049.8	4235598	7.98E-04	7.12E-04	1.35E-04	1.14E-04	6.44E-04	5.22E-04	1.06E-04	1.01E-04	7.88E-05	5.17E-05
6280	563039.5	4235596	7.90E-04	7.05E-04	1.34E-04	1.13E-04	6.38E-04	5.17E-04	1.05E-04	1.00E-04	7.81E-05	5.12E-05
6281	563029.2	4235594	7.81E-04	6.97E-04	1.33E-04	1.12E-04	6.31E-04	5.11E-04	1.03E-04	9.91E-05	7.72E-05	5.06E-05
6282	563018.9	4235592	7.71E-04	6.88E-04	1.31E-04	1.10E-04	6.22E-04	5.04E-04	1.02E-04	9.78E-05	7.61E-05	5.00E-05
6283	563008.6	4235590	7.59E-04	6.77E-04	1.29E-04	1.09E-04	6.13E-04	4.97E-04	1.00E-04	9.63E-05	7.50E-05	4.92E-05
6284	562998.3	4235588	7.46E-04	6.66E-04	1.27E-04	1.07E-04	6.03E-04	4.88E-04	9.87E-05	9.47E-05	7.37E-05	4.84E-05
6285	562988	4235586	7.33E-04	6.54E-04	1.24E-04	1.05E-04	5.92E-04	4.79E-04	9.69E-05	9.30E-05	7.24E-05	4.75E-05
6286	562977.6	4235584	7.18E-04	6.40E-04	1.22E-04	1.03E-04	5.80E-04	4.70E-04	9.49E-05	9.11E-05	7.09E-05	4.65E-05
6287	562967.3	4235582	7.03E-04	6.27E-04	1.19E-04	1.00E-04	5.67E-04	4.60E-04	9.29E-05	8.92E-05	6.94E-05	4.55E-05
6288	562957	4235580	6.87E-04	6.13E-04	1.17E-04	9.82E-05	5.55E-04	4.49E-04	9.08E-05	8.72E-05	6.78E-05	4.45E-05
6289	562946.7	4235578	6.71E-04	5.98E-04	1.14E-04	9.59E-05	5.42E-04	4.39E-04	8.87E-05	8.51E-05	6.62E-05	4.35E-05
6290	562936.4	4235576	6.54E-04	5.84E-04	1.11E-04	9.36E-05	5.28E-04	4.28E-04	8.65E-05	8.30E-05	6.46E-05	4.24E-05
6291	562926.1	4235574	6.38E-04	5.69E-04	1.08E-04	9.13E-05	5.15E-04	4.18E-04	8.44E-05	8.10E-05	6.30E-05	4.14E-05
6292	563380.7	4236267	2.48E-04	2.21E-04	4.21E-05	3.54E-05	2.00E-04	1.62E-04	3.28E-05	3.15E-05	2.45E-05	1.61E-05
6293	563933	4236125	1.57E-04	1.40E-04	2.67E-05	2.25E-05	1.27E-04	1.03E-04	2.08E-05	1.99E-05	1.55E-05	1.02E-05
6294	563945.5	4236147	1.53E-04	1.37E-04	2.60E-05	2.19E-05	1.24E-04	1.00E-04	2.03E-05	1.94E-05	1.51E-05	9.93E-06

6295	563824.5	4236269	1.52E-04	1.35E-04	2.57E-05	2.17E-05	1.22E-04	9.91E-05	2.00E-05	1.92E-05	1.50E-05	9.82E-06
6296	563855.9	4236253	1.50E-04	1.34E-04	2.54E-05	2.14E-05	1.21E-04	9.81E-05	1.98E-05	1.90E-05	1.48E-05	9.71E-06
6297	563849.4	4236289	1.46E-04	1.31E-04	2.48E-05	2.09E-05	1.18E-04	9.58E-05	1.94E-05	1.86E-05	1.45E-05	9.49E-06
6298	563815.6	4236380	1.39E-04	1.24E-04	2.36E-05	1.99E-05	1.13E-04	9.12E-05	1.84E-05	1.77E-05	1.38E-05	9.03E-06
6299	563835.1	4236350	1.41E-04	1.26E-04	2.40E-05	2.02E-05	1.14E-04	9.26E-05	1.87E-05	1.79E-05	1.40E-05	9.17E-06
6300	563844.6	4236373	1.38E-04	1.23E-04	2.33E-05	1.97E-05	1.11E-04	9.00E-05	1.82E-05	1.74E-05	1.36E-05	8.91E-06
6301	563850	4236388	1.35E-04	1.20E-04	2.29E-05	1.93E-05	1.09E-04	8.83E-05	1.79E-05	1.71E-05	1.33E-05	8.75E-06
6302	563807.8	4236458	1.32E-04	1.18E-04	2.24E-05	1.89E-05	1.07E-04	8.65E-05	1.75E-05	1.68E-05	1.31E-05	8.57E-06
6303	563812.6	4236488	1.29E-04	1.15E-04	2.19E-05	1.85E-05	1.04E-04	8.45E-05	1.71E-05	1.64E-05	1.28E-05	8.37E-06
6304	563786.5	4236491	1.31E-04	1.17E-04	2.22E-05	1.87E-05	1.06E-04	8.57E-05	1.73E-05	1.66E-05	1.29E-05	8.49E-06
6305	563862.8	4236477	1.25E-04	1.12E-04	2.12E-05	1.79E-05	1.01E-04	8.19E-05	1.66E-05	1.59E-05	1.24E-05	8.11E-06

	Max Yr	**1**	T2	T2L3	T3	T4I	T4F
	Row	**18**	1.50E-01	2.54E-02	1.21E-01	1.98E-02	1.48E-02
		Col	**3**	**4**	**5**	**6**	**7**
		Adjustment	**100%**	**17%**	**81%**	**13%**	**10%**
			Year 1	Year 1	Year 1	Year 1	Year 1
1	563279	4234944	3.44E-02	5.84E-03	2.78E-02	4.55E-03	3.40E-03
2	563274.4	4234931	3.84E-02	6.51E-03	3.10E-02	5.08E-03	3.79E-03
3	563267.1	4234918	4.49E-02	7.61E-03	3.62E-02	5.93E-03	4.43E-03
4	563287.8	4234940	3.13E-02	5.31E-03	2.53E-02	4.14E-03	3.09E-03
5	563289.9	4234953	2.94E-02	4.98E-03	2.37E-02	3.88E-03	2.90E-03
6	563287.7	4234965	2.87E-02	4.87E-03	2.32E-02	3.80E-03	2.84E-03
7	563281	4234977	2.93E-02	4.97E-03	2.36E-02	3.87E-03	2.89E-03
8	563283.2	4234926	3.46E-02	5.87E-03	2.79E-02	4.57E-03	3.42E-03
9	563275.9	4234913	3.99E-02	6.76E-03	3.22E-02	5.27E-03	3.94E-03
10	563296.6	4234935	2.85E-02	4.83E-03	2.30E-02	3.76E-03	2.81E-03
11	563298.7	4234948	2.69E-02	4.57E-03	2.17E-02	3.56E-03	2.66E-03
12	563297.5	4234967	2.57E-02	4.36E-03	2.07E-02	3.40E-03	2.54E-03
13	563290.8	4234978	2.63E-02	4.46E-03	2.12E-02	3.48E-03	2.60E-03
14	563291.9	4234921	3.12E-02	5.29E-03	2.52E-02	4.13E-03	3.08E-03
15	563284.7	4234908	3.55E-02	6.03E-03	2.87E-02	4.70E-03	3.51E-03
16	563305.4	4234930	2.59E-02	4.40E-03	2.09E-02	3.43E-03	2.56E-03
17	563307.5	4234943	2.47E-02	4.18E-03	1.99E-02	3.26E-03	2.44E-03
18	563309.6	4234956	2.34E-02	3.97E-03	1.89E-02	3.10E-03	2.31E-03
19	563307.3	4234969	2.31E-02	3.92E-03	1.86E-02	3.05E-03	2.28E-03
20	563300.7	4234980	2.37E-02	4.02E-03	1.91E-02	3.13E-03	2.34E-03
21	563294	4234992	2.41E-02	4.09E-03	1.95E-02	3.19E-03	2.38E-03
22	563300.7	4234917	2.82E-02	4.78E-03	2.27E-02	3.73E-03	2.78E-03
23	563293.5	4234903	3.18E-02	5.39E-03	2.56E-02	4.20E-03	3.14E-03
24	563314.2	4234925	2.36E-02	4.01E-03	1.91E-02	3.13E-03	2.33E-03
25	563316.3	4234938	2.26E-02	3.83E-03	1.82E-02	2.99E-03	2.23E-03
26	563318.4	4234952	2.16E-02	3.67E-03	1.75E-02	2.86E-03	2.14E-03
27	563317.2	4234970	2.09E-02	3.54E-03	1.68E-02	2.76E-03	2.06E-03
28	563310.5	4234982	2.14E-02	3.64E-03	1.73E-02	2.83E-03	2.12E-03
29	563303.9	4234994	2.19E-02	3.71E-03	1.77E-02	2.89E-03	2.16E-03
30	563309.5	4234912	2.55E-02	4.33E-03	2.06E-02	3.37E-03	2.52E-03
31	563302.2	4234899	2.85E-02	4.83E-03	2.30E-02	3.77E-03	2.81E-03
32	563323.1	4234921	2.15E-02	3.65E-03	1.74E-02	2.84E-03	2.12E-03
33	563325.5	4234936	2.05E-02	3.48E-03	1.66E-02	2.71E-03	2.03E-03
34	563327.9	4234951	1.96E-02	3.33E-03	1.59E-02	2.60E-03	1.94E-03
35	563326.5	4234973	1.90E-02	3.22E-03	1.53E-02	2.51E-03	1.87E-03
36	563318.9	4234986	1.96E-02	3.32E-03	1.58E-02	2.59E-03	1.93E-03
37	563311.3	4235000	2.00E-02	3.40E-03	1.62E-02	2.65E-03	1.98E-03
38	563318.3	4234907	2.31E-02	3.92E-03	1.87E-02	3.06E-03	2.28E-03
39	563311	4234894	2.56E-02	4.35E-03	2.07E-02	3.39E-03	2.53E-03
40	563331.9	4234916	1.97E-02	3.34E-03	1.59E-02	2.60E-03	1.94E-03
41	563334.3	4234931	1.89E-02	3.20E-03	1.52E-02	2.50E-03	1.86E-03
42	563336.6	4234946	1.82E-02	3.08E-03	1.47E-02	2.40E-03	1.79E-03
43	563339	4234961	1.74E-02	2.95E-03	1.40E-02	2.30E-03	1.72E-03
44	563336.4	4234975	1.73E-02	2.93E-03	1.39E-02	2.28E-03	1.70E-03
45	563328.9	4234988	1.78E-02	3.03E-03	1.44E-02	2.36E-03	1.76E-03
46	563321.5	4235001	1.83E-02	3.10E-03	1.48E-02	2.42E-03	1.81E-03

47	563314	4235014	1.86E-02	3.16E-03	1.50E-02	2.46E-03	1.84E-03
48	563327.1	4234902	2.10E-02	3.57E-03	1.70E-02	2.78E-03	2.08E-03
49	563319.8	4234889	2.32E-02	3.93E-03	1.87E-02	3.06E-03	2.29E-03
50	563340.7	4234912	1.80E-02	3.06E-03	1.46E-02	2.38E-03	1.78E-03
51	563343	4234926	1.74E-02	2.95E-03	1.40E-02	2.30E-03	1.72E-03
52	563345.3	4234941	1.68E-02	2.85E-03	1.35E-02	2.22E-03	1.66E-03
53	563347.7	4234955	1.62E-02	2.75E-03	1.31E-02	2.15E-03	1.60E-03
54	563346.3	4234977	1.58E-02	2.68E-03	1.27E-02	2.09E-03	1.56E-03
55	563338.9	4234989	1.63E-02	2.77E-03	1.32E-02	2.16E-03	1.61E-03
56	563331.5	4235002	1.68E-02	2.84E-03	1.35E-02	2.22E-03	1.65E-03
57	563324.1	4235015	1.71E-02	2.90E-03	1.38E-02	2.26E-03	1.69E-03
58	563335.9	4234898	1.92E-02	3.25E-03	1.55E-02	2.54E-03	1.89E-03
59	563328.6	4234884	2.10E-02	3.56E-03	1.70E-02	2.78E-03	2.07E-03
60	563358.2	4234902	1.52E-02	2.58E-03	1.23E-02	2.01E-03	1.50E-03
61	563360.5	4234916	1.48E-02	2.51E-03	1.19E-02	1.96E-03	1.46E-03
62	563362.8	4234931	1.44E-02	2.44E-03	1.16E-02	1.90E-03	1.42E-03
63	563365.1	4234945	1.40E-02	2.38E-03	1.13E-02	1.85E-03	1.38E-03
64	563367.4	4234959	1.36E-02	2.31E-03	1.10E-02	1.80E-03	1.34E-03
65	563366	4234980	1.33E-02	2.26E-03	1.07E-02	1.76E-03	1.31E-03
66	563358.8	4234993	1.38E-02	2.34E-03	1.11E-02	1.82E-03	1.36E-03
67	563351.5	4235005	1.42E-02	2.40E-03	1.14E-02	1.87E-03	1.40E-03
68	563344.3	4235018	1.45E-02	2.46E-03	1.17E-02	1.92E-03	1.43E-03
69	563337	4235030	1.48E-02	2.51E-03	1.19E-02	1.95E-03	1.46E-03
70	563353.5	4234888	1.61E-02	2.72E-03	1.30E-02	2.12E-03	1.59E-03
71	563346.2	4234875	1.74E-02	2.95E-03	1.41E-02	2.30E-03	1.72E-03
72	563375.8	4234892	1.30E-02	2.20E-03	1.05E-02	1.71E-03	1.28E-03
73	563378.1	4234906	1.27E-02	2.15E-03	1.02E-02	1.67E-03	1.25E-03
74	563380.3	4234921	1.24E-02	2.10E-03	9.99E-03	1.64E-03	1.22E-03
75	563382.6	4234935	1.21E-02	2.05E-03	9.75E-03	1.60E-03	1.19E-03
76	563384.8	4234949	1.18E-02	2.00E-03	9.52E-03	1.56E-03	1.16E-03
77	563387.1	4234963	1.15E-02	1.95E-03	9.26E-03	1.52E-03	1.13E-03
78	563385.7	4234984	1.14E-02	1.93E-03	9.18E-03	1.50E-03	1.12E-03
79	563378.6	4234996	1.18E-02	1.99E-03	9.49E-03	1.55E-03	1.16E-03
80	563371.4	4235008	1.21E-02	2.05E-03	9.78E-03	1.60E-03	1.20E-03
81	563364.3	4235021	1.24E-02	2.11E-03	1.00E-02	1.64E-03	1.23E-03
82	563357.1	4235033	1.27E-02	2.16E-03	1.03E-02	1.68E-03	1.25E-03
83	563350	4235046	1.29E-02	2.19E-03	1.04E-02	1.71E-03	1.27E-03
84	563371	4234879	1.36E-02	2.31E-03	1.10E-02	1.80E-03	1.34E-03
85	563363.8	4234865	1.46E-02	2.48E-03	1.18E-02	1.93E-03	1.44E-03
86	563393.5	4234883	1.11E-02	1.89E-03	8.99E-03	1.47E-03	1.10E-03
87	563395.8	4234898	1.09E-02	1.85E-03	8.80E-03	1.44E-03	1.08E-03
88	563398.2	4234913	1.07E-02	1.81E-03	8.62E-03	1.41E-03	1.05E-03
89	563400.6	4234928	1.05E-02	1.77E-03	8.44E-03	1.38E-03	1.03E-03
90	563403	4234943	1.02E-02	1.74E-03	8.26E-03	1.35E-03	1.01E-03
91	563405.4	4234958	9.98E-03	1.69E-03	8.06E-03	1.32E-03	9.85E-04
92	563407.8	4234973	9.74E-03	1.65E-03	7.87E-03	1.29E-03	9.62E-04
93	563405.2	4234988	9.83E-03	1.67E-03	7.94E-03	1.30E-03	9.71E-04
94	563397.6	4235001	1.02E-02	1.73E-03	8.21E-03	1.35E-03	1.00E-03
95	563390	4235014	1.05E-02	1.78E-03	8.48E-03	1.39E-03	1.04E-03
96	563382.4	4235027	1.08E-02	1.83E-03	8.73E-03	1.43E-03	1.07E-03
97	563374.8	4235040	1.11E-02	1.88E-03	8.95E-03	1.47E-03	1.09E-03
98	563367.2	4235054	1.13E-02	1.92E-03	9.12E-03	1.49E-03	1.12E-03

99	563359.6	4235067	1.14E-02	1.94E-03	9.24E-03	1.51E-03	1.13E-03
100	563388.6	4234869	1.16E-02	1.96E-03	9.35E-03	1.53E-03	1.14E-03
101	563381.3	4234856	1.23E-02	2.09E-03	9.94E-03	1.63E-03	1.22E-03
102	563411	4234874	9.68E-03	1.64E-03	7.82E-03	1.28E-03	9.56E-04
103	563413.4	4234888	9.49E-03	1.61E-03	7.67E-03	1.26E-03	9.38E-04
104	563415.7	4234903	9.32E-03	1.58E-03	7.53E-03	1.23E-03	9.21E-04
105	563418.1	4234918	9.16E-03	1.55E-03	7.40E-03	1.21E-03	9.05E-04
106	563420.4	4234933	9.01E-03	1.53E-03	7.27E-03	1.19E-03	8.90E-04
107	563422.8	4234948	8.84E-03	1.50E-03	7.14E-03	1.17E-03	8.73E-04
108	563425.1	4234962	8.66E-03	1.47E-03	6.99E-03	1.14E-03	8.55E-04
109	563427.5	4234977	8.51E-03	1.44E-03	6.87E-03	1.13E-03	8.40E-04
110	563424.9	4234991	8.58E-03	1.46E-03	6.93E-03	1.13E-03	8.47E-04
111	563417.4	4235004	8.86E-03	1.50E-03	7.15E-03	1.17E-03	8.75E-04
112	563410	4235017	9.13E-03	1.55E-03	7.37E-03	1.21E-03	9.02E-04
113	563402.5	4235030	9.40E-03	1.60E-03	7.59E-03	1.24E-03	9.29E-04
114	563395	4235043	9.66E-03	1.64E-03	7.80E-03	1.28E-03	9.54E-04
115	563387.5	4235056	9.88E-03	1.68E-03	7.98E-03	1.31E-03	9.76E-04
116	563380.1	4235069	1.01E-02	1.71E-03	8.12E-03	1.33E-03	9.93E-04
117	563372.6	4235082	1.02E-02	1.73E-03	8.22E-03	1.35E-03	1.01E-03
118	563406.2	4234859	1.00E-02	1.70E-03	8.08E-03	1.32E-03	9.88E-04
119	563398.9	4234846	1.05E-02	1.78E-03	8.47E-03	1.39E-03	1.04E-03
120	563428.6	4234864	8.54E-03	1.45E-03	6.89E-03	1.13E-03	8.43E-04
121	563430.9	4234879	8.36E-03	1.42E-03	6.75E-03	1.11E-03	8.26E-04
122	563433.2	4234893	8.21E-03	1.39E-03	6.63E-03	1.09E-03	8.11E-04
123	563435.5	4234908	8.08E-03	1.37E-03	6.53E-03	1.07E-03	7.98E-04
124	563437.9	4234922	7.97E-03	1.35E-03	6.44E-03	1.05E-03	7.87E-04
125	563440.2	4234937	7.86E-03	1.33E-03	6.34E-03	1.04E-03	7.76E-04
126	563442.5	4234952	7.73E-03	1.31E-03	6.24E-03	1.02E-03	7.63E-04
127	563444.8	4234966	7.59E-03	1.29E-03	6.13E-03	1.00E-03	7.49E-04
128	563447.2	4234981	7.51E-03	1.27E-03	6.06E-03	9.93E-04	7.42E-04
129	563444.6	4234995	7.55E-03	1.28E-03	6.10E-03	9.99E-04	7.46E-04
130	563437.3	4235007	7.78E-03	1.32E-03	6.28E-03	1.03E-03	7.68E-04
131	563429.9	4235020	8.01E-03	1.36E-03	6.47E-03	1.06E-03	7.91E-04
132	563422.5	4235033	8.24E-03	1.40E-03	6.65E-03	1.09E-03	8.14E-04
133	563415.1	4235046	8.47E-03	1.44E-03	6.84E-03	1.12E-03	8.37E-04
134	563407.7	4235059	8.69E-03	1.47E-03	7.01E-03	1.15E-03	8.58E-04
135	563400.3	4235072	8.87E-03	1.51E-03	7.16E-03	1.17E-03	8.76E-04
136	563393	4235085	9.01E-03	1.53E-03	7.28E-03	1.19E-03	8.90E-04
137	563385.6	4235097	9.12E-03	1.55E-03	7.36E-03	1.21E-03	9.00E-04
138	563423.8	4234850	8.88E-03	1.51E-03	7.17E-03	1.17E-03	8.77E-04
139	563416.5	4234836	9.26E-03	1.57E-03	7.47E-03	1.22E-03	9.14E-04
140	563446.1	4234854	7.61E-03	1.29E-03	6.15E-03	1.01E-03	7.52E-04
141	563448.4	4234869	7.45E-03	1.26E-03	6.01E-03	9.85E-04	7.36E-04
142	563450.7	4234883	7.31E-03	1.24E-03	5.90E-03	9.67E-04	7.22E-04
143	563453	4234898	7.19E-03	1.22E-03	5.81E-03	9.51E-04	7.10E-04
144	563455.3	4234912	7.10E-03	1.20E-03	5.73E-03	9.39E-04	7.01E-04
145	563457.6	4234927	7.03E-03	1.19E-03	5.68E-03	9.30E-04	6.94E-04
146	563459.9	4234941	6.97E-03	1.18E-03	5.63E-03	9.22E-04	6.88E-04
147	563462.2	4234956	6.89E-03	1.17E-03	5.56E-03	9.11E-04	6.80E-04
148	563464.5	4234970	6.80E-03	1.15E-03	5.49E-03	9.00E-04	6.72E-04
149	563466.8	4234985	6.69E-03	1.13E-03	5.40E-03	8.85E-04	6.61E-04
150	563464.3	4234998	6.70E-03	1.14E-03	5.41E-03	8.86E-04	6.62E-04

151	563457	4235011	6.89E-03	1.17E-03	5.56E-03	9.11E-04	6.80E-04
152	563449.7	4235024	7.08E-03	1.20E-03	5.71E-03	9.36E-04	6.99E-04
153	563442.4	4235036	7.27E-03	1.23E-03	5.87E-03	9.62E-04	7.18E-04
154	563435.1	4235049	7.48E-03	1.27E-03	6.04E-03	9.89E-04	7.38E-04
155	563427.8	4235062	7.68E-03	1.30E-03	6.20E-03	1.02E-03	7.58E-04
156	563420.5	4235074	7.86E-03	1.33E-03	6.35E-03	1.04E-03	7.76E-04
157	563413.2	4235087	8.01E-03	1.36E-03	6.47E-03	1.06E-03	7.91E-04
158	563405.9	4235100	8.13E-03	1.38E-03	6.57E-03	1.08E-03	8.03E-04
159	563398.6	4235113	8.22E-03	1.39E-03	6.64E-03	1.09E-03	8.12E-04
160	563441.4	4234840	7.85E-03	1.33E-03	6.34E-03	1.04E-03	7.75E-04
161	563434.1	4234827	8.16E-03	1.38E-03	6.59E-03	1.08E-03	8.06E-04
162	563463.8	4234845	6.85E-03	1.16E-03	5.53E-03	9.06E-04	6.77E-04
163	563466.2	4234860	6.70E-03	1.14E-03	5.41E-03	8.86E-04	6.62E-04
164	563468.5	4234875	6.56E-03	1.11E-03	5.30E-03	8.68E-04	6.48E-04
165	563470.9	4234890	6.45E-03	1.09E-03	5.21E-03	8.53E-04	6.37E-04
166	563473.3	4234905	6.36E-03	1.08E-03	5.13E-03	8.41E-04	6.28E-04
167	563475.7	4234920	6.36E-03	1.08E-03	5.14E-03	8.41E-04	6.28E-04
168	563478.1	4234935	6.36E-03	1.08E-03	5.13E-03	8.41E-04	6.28E-04
169	563480.5	4234950	6.28E-03	1.07E-03	5.07E-03	8.30E-04	6.20E-04
170	563482.9	4234965	6.18E-03	1.05E-03	4.99E-03	8.17E-04	6.10E-04
171	563485.3	4234980	6.06E-03	1.03E-03	4.89E-03	8.02E-04	5.99E-04
172	563483.9	4235002	6.00E-03	1.02E-03	4.85E-03	7.94E-04	5.93E-04
173	563476.3	4235015	6.16E-03	1.05E-03	4.97E-03	8.15E-04	6.08E-04
174	563468.7	4235028	6.32E-03	1.07E-03	5.10E-03	8.36E-04	6.24E-04
175	563461.1	4235042	6.49E-03	1.10E-03	5.24E-03	8.59E-04	6.41E-04
176	563453.5	4235055	6.68E-03	1.13E-03	5.39E-03	8.83E-04	6.59E-04
177	563445.9	4235068	6.86E-03	1.16E-03	5.54E-03	9.08E-04	6.78E-04
178	563438.3	4235081	7.04E-03	1.19E-03	5.69E-03	9.31E-04	6.95E-04
179	563430.7	4235095	7.20E-03	1.22E-03	5.81E-03	9.52E-04	7.11E-04
180	563423.1	4235108	7.31E-03	1.24E-03	5.90E-03	9.66E-04	7.22E-04
181	563415.5	4235121	7.40E-03	1.26E-03	5.97E-03	9.78E-04	7.31E-04
182	563458.9	4234831	7.01E-03	1.19E-03	5.66E-03	9.27E-04	6.92E-04
183	563451.7	4234817	7.24E-03	1.23E-03	5.85E-03	9.58E-04	7.15E-04
184	563481.3	4234835	6.24E-03	1.06E-03	5.04E-03	8.25E-04	6.16E-04
185	563483.7	4234850	6.10E-03	1.04E-03	4.93E-03	8.07E-04	6.03E-04
186	563486.1	4234865	5.97E-03	1.01E-03	4.82E-03	7.89E-04	5.89E-04
187	563488.4	4234880	5.86E-03	9.94E-04	4.73E-03	7.74E-04	5.78E-04
188	563490.8	4234895	5.79E-03	9.83E-04	4.68E-03	7.66E-04	5.72E-04
189	563493.1	4234910	5.78E-03	9.81E-04	4.67E-03	7.65E-04	5.71E-04
190	563495.5	4234925	5.78E-03	9.80E-04	4.66E-03	7.64E-04	5.70E-04
191	563497.9	4234940	5.72E-03	9.70E-04	4.62E-03	7.56E-04	5.65E-04
192	563500.2	4234954	5.65E-03	9.58E-04	4.56E-03	7.47E-04	5.58E-04
193	563502.6	4234969	5.57E-03	9.44E-04	4.49E-03	7.36E-04	5.50E-04
194	563505	4234984	5.46E-03	9.27E-04	4.41E-03	7.23E-04	5.40E-04
195	563503.6	4235006	5.41E-03	9.18E-04	4.37E-03	7.15E-04	5.34E-04
196	563496.1	4235019	5.54E-03	9.40E-04	4.47E-03	7.32E-04	5.47E-04
197	563488.6	4235032	5.66E-03	9.61E-04	4.57E-03	7.49E-04	5.59E-04
198	563481	4235045	5.80E-03	9.85E-04	4.69E-03	7.68E-04	5.73E-04
199	563473.5	4235058	5.96E-03	1.01E-03	4.81E-03	7.88E-04	5.88E-04
200	563466	4235071	6.12E-03	1.04E-03	4.94E-03	8.10E-04	6.05E-04
201	563458.5	4235084	6.29E-03	1.07E-03	5.08E-03	8.32E-04	6.21E-04
202	563451	4235097	6.44E-03	1.09E-03	5.20E-03	8.52E-04	6.36E-04

203	563443.5	4235110	6.55E-03	1.11E-03	5.29E-03	8.67E-04	6.47E-04
204	563436	4235123	6.65E-03	1.13E-03	5.37E-03	8.80E-04	6.57E-04
205	563428.5	4235136	6.73E-03	1.14E-03	5.44E-03	8.90E-04	6.65E-04
206	563476.5	4234821	6.42E-03	1.09E-03	5.18E-03	8.49E-04	6.34E-04
207	563469.2	4234808	6.59E-03	1.12E-03	5.32E-03	8.72E-04	6.51E-04
208	563498.9	4234826	5.73E-03	9.73E-04	4.63E-03	7.58E-04	5.66E-04
209	563501.2	4234841	5.60E-03	9.51E-04	4.52E-03	7.41E-04	5.53E-04
210	563503.6	4234855	5.48E-03	9.29E-04	4.42E-03	7.24E-04	5.41E-04
211	563505.9	4234870	5.36E-03	9.10E-04	4.33E-03	7.09E-04	5.30E-04
212	563508.3	4234885	5.32E-03	9.03E-04	4.30E-03	7.04E-04	5.25E-04
213	563510.6	4234900	5.34E-03	9.06E-04	4.31E-03	7.06E-04	5.28E-04
214	563512.9	4234914	5.28E-03	8.97E-04	4.27E-03	6.99E-04	5.22E-04
215	563515.3	4234929	5.23E-03	8.88E-04	4.22E-03	6.92E-04	5.17E-04
216	563517.6	4234944	5.18E-03	8.79E-04	4.18E-03	6.85E-04	5.12E-04
217	563520	4234958	5.12E-03	8.69E-04	4.13E-03	6.77E-04	5.06E-04
218	563522.3	4234973	5.05E-03	8.57E-04	4.08E-03	6.68E-04	4.99E-04
219	563524.7	4234988	4.96E-03	8.42E-04	4.01E-03	6.56E-04	4.90E-04
220	563523.3	4235009	4.91E-03	8.33E-04	3.97E-03	6.49E-04	4.85E-04
221	563515.8	4235022	5.01E-03	8.50E-04	4.05E-03	6.63E-04	4.95E-04
222	563508.4	4235035	5.11E-03	8.68E-04	4.13E-03	6.76E-04	5.05E-04
223	563501	4235048	5.22E-03	8.86E-04	4.22E-03	6.91E-04	5.16E-04
224	563493.5	4235061	5.35E-03	9.08E-04	4.32E-03	7.07E-04	5.28E-04
225	563486.1	4235074	5.49E-03	9.32E-04	4.43E-03	7.26E-04	5.42E-04
226	563478.6	4235087	5.64E-03	9.57E-04	4.55E-03	7.46E-04	5.57E-04
227	563471.2	4235100	5.78E-03	9.81E-04	4.67E-03	7.65E-04	5.71E-04
228	563463.8	4235113	5.90E-03	1.00E-03	4.76E-03	7.80E-04	5.82E-04
229	563456.3	4235126	6.00E-03	1.02E-03	4.85E-03	7.94E-04	5.93E-04
230	563448.9	4235139	6.10E-03	1.03E-03	4.92E-03	8.07E-04	6.02E-04
231	563441.4	4235152	6.16E-03	1.05E-03	4.97E-03	8.15E-04	6.08E-04
232	563494.1	4234812	5.90E-03	1.00E-03	4.76E-03	7.80E-04	5.83E-04
233	563486.8	4234798	6.05E-03	1.03E-03	4.89E-03	8.00E-04	5.98E-04
234	563516.5	4234816	5.28E-03	8.96E-04	4.27E-03	6.99E-04	5.22E-04
235	563518.8	4234831	5.18E-03	8.78E-04	4.18E-03	6.84E-04	5.11E-04
236	563521.1	4234845	5.06E-03	8.59E-04	4.09E-03	6.70E-04	5.00E-04
237	563523.4	4234860	4.99E-03	8.47E-04	4.03E-03	6.60E-04	4.93E-04
238	563525.8	4234875	4.95E-03	8.40E-04	4.00E-03	6.54E-04	4.89E-04
239	563528.1	4234889	4.93E-03	8.36E-04	3.98E-03	6.51E-04	4.87E-04
240	563530.4	4234904	4.87E-03	8.26E-04	3.93E-03	6.43E-04	4.80E-04
241	563532.7	4234919	4.82E-03	8.17E-04	3.89E-03	6.37E-04	4.76E-04
242	563535.1	4234933	4.77E-03	8.10E-04	3.85E-03	6.31E-04	4.71E-04
243	563537.4	4234948	4.73E-03	8.02E-04	3.82E-03	6.25E-04	4.67E-04
244	563539.7	4234962	4.68E-03	7.93E-04	3.78E-03	6.18E-04	4.62E-04
245	563542	4234977	4.61E-03	7.83E-04	3.73E-03	6.10E-04	4.56E-04
246	563544.3	4234992	4.54E-03	7.70E-04	3.66E-03	6.00E-04	4.48E-04
247	563543	4235013	4.49E-03	7.61E-04	3.62E-03	5.93E-04	4.43E-04
248	563535.6	4235026	4.57E-03	7.75E-04	3.69E-03	6.04E-04	4.51E-04
249	563528.2	4235038	4.65E-03	7.88E-04	3.75E-03	6.14E-04	4.59E-04
250	563520.8	4235051	4.73E-03	8.03E-04	3.82E-03	6.26E-04	4.67E-04
251	563513.5	4235064	4.83E-03	8.20E-04	3.90E-03	6.39E-04	4.77E-04
252	563506.1	4235077	4.95E-03	8.40E-04	4.00E-03	6.55E-04	4.89E-04
253	563498.7	4235090	5.08E-03	8.62E-04	4.10E-03	6.72E-04	5.02E-04
254	563491.3	4235103	5.21E-03	8.85E-04	4.21E-03	6.89E-04	5.15E-04

255	563483.9	4235115	5.32E-03	9.02E-04	4.29E-03	7.03E-04	5.25E-04
256	563476.5	4235128	5.43E-03	9.22E-04	4.39E-03	7.18E-04	5.37E-04
257	563469.2	4235141	5.53E-03	9.39E-04	4.47E-03	7.32E-04	5.46E-04
258	563461.8	4235154	5.60E-03	9.51E-04	4.52E-03	7.41E-04	5.53E-04
259	563454.4	4235167	5.64E-03	9.57E-04	4.56E-03	7.46E-04	5.57E-04
260	563511.7	4234802	5.44E-03	9.22E-04	4.39E-03	7.19E-04	5.37E-04
261	563504.4	4234789	5.59E-03	9.49E-04	4.52E-03	7.40E-04	5.53E-04
262	563551.6	4234797	4.52E-03	7.67E-04	3.65E-03	5.97E-04	4.46E-04
263	563554	4234812	4.45E-03	7.54E-04	3.59E-03	5.88E-04	4.39E-04
264	563556.4	4234827	4.40E-03	7.46E-04	3.55E-03	5.82E-04	4.34E-04
265	563558.8	4234842	4.38E-03	7.43E-04	3.54E-03	5.79E-04	4.33E-04
266	563561.1	4234857	4.34E-03	7.36E-04	3.50E-03	5.74E-04	4.29E-04
267	563563.5	4234872	4.26E-03	7.23E-04	3.44E-03	5.64E-04	4.21E-04
268	563565.9	4234887	4.20E-03	7.12E-04	3.39E-03	5.55E-04	4.15E-04
269	563568.2	4234902	4.15E-03	7.03E-04	3.35E-03	5.48E-04	4.09E-04
270	563570.6	4234917	4.10E-03	6.96E-04	3.31E-03	5.43E-04	4.05E-04
271	563573	4234932	4.07E-03	6.91E-04	3.29E-03	5.38E-04	4.02E-04
272	563575.3	4234946	4.04E-03	6.85E-04	3.26E-03	5.34E-04	3.99E-04
273	563577.7	4234961	4.00E-03	6.79E-04	3.23E-03	5.29E-04	3.95E-04
274	563580.1	4234976	3.95E-03	6.70E-04	3.19E-03	5.22E-04	3.90E-04
275	563582.5	4234991	3.89E-03	6.60E-04	3.14E-03	5.14E-04	3.84E-04
276	563584.8	4235006	3.81E-03	6.47E-04	3.08E-03	5.04E-04	3.77E-04
277	563582.2	4235020	3.80E-03	6.44E-04	3.07E-03	5.02E-04	3.75E-04
278	563574.7	4235033	3.84E-03	6.52E-04	3.10E-03	5.08E-04	3.80E-04
279	563567.2	4235046	3.89E-03	6.61E-04	3.14E-03	5.15E-04	3.84E-04
280	563559.7	4235059	3.95E-03	6.70E-04	3.19E-03	5.22E-04	3.90E-04
281	563552.1	4235073	4.02E-03	6.82E-04	3.25E-03	5.32E-04	3.97E-04
282	563544.6	4235086	4.10E-03	6.96E-04	3.31E-03	5.43E-04	4.05E-04
283	563537.1	4235099	4.20E-03	7.13E-04	3.39E-03	5.55E-04	4.15E-04
284	563522	4235125	4.42E-03	7.50E-04	3.57E-03	5.85E-04	4.37E-04
285	563514.5	4235138	4.52E-03	7.67E-04	3.65E-03	5.98E-04	4.47E-04
286	563506.9	4235151	4.61E-03	7.82E-04	3.72E-03	6.09E-04	4.55E-04
287	563499.4	4235164	4.68E-03	7.93E-04	3.78E-03	6.18E-04	4.62E-04
288	563491.9	4235177	4.73E-03	8.03E-04	3.82E-03	6.26E-04	4.67E-04
289	563484.4	4235190	4.77E-03	8.09E-04	3.85E-03	6.31E-04	4.71E-04
290	563476.8	4235203	4.79E-03	8.13E-04	3.87E-03	6.34E-04	4.73E-04
291	563546.8	4234783	4.62E-03	7.83E-04	3.73E-03	6.11E-04	4.56E-04
292	563539.5	4234770	4.70E-03	7.97E-04	3.79E-03	6.21E-04	4.64E-04
293	563586.8	4234778	3.91E-03	6.64E-04	3.16E-03	5.18E-04	3.87E-04
294	563589.1	4234793	3.87E-03	6.57E-04	3.13E-03	5.12E-04	3.82E-04
295	563591.5	4234808	3.87E-03	6.57E-04	3.13E-03	5.12E-04	3.82E-04
296	563593.8	4234822	3.86E-03	6.54E-04	3.11E-03	5.10E-04	3.81E-04
297	563596.1	4234837	3.80E-03	6.45E-04	3.07E-03	5.03E-04	3.75E-04
298	563598.5	4234852	3.75E-03	6.36E-04	3.03E-03	4.96E-04	3.70E-04
299	563600.8	4234866	3.70E-03	6.27E-04	2.98E-03	4.89E-04	3.65E-04
300	563603.1	4234881	3.65E-03	6.19E-04	2.95E-03	4.83E-04	3.60E-04
301	563605.5	4234896	3.61E-03	6.13E-04	2.92E-03	4.77E-04	3.57E-04
302	563607.8	4234910	3.58E-03	6.07E-04	2.89E-03	4.73E-04	3.54E-04
303	563610.2	4234925	3.55E-03	6.03E-04	2.87E-03	4.70E-04	3.51E-04
304	563612.5	4234940	3.53E-03	5.98E-04	2.85E-03	4.66E-04	3.48E-04
305	563614.8	4234955	3.50E-03	5.94E-04	2.83E-03	4.63E-04	3.46E-04
306	563617.2	4234969	3.47E-03	5.88E-04	2.80E-03	4.58E-04	3.42E-04

307	563619.5	4234984	3.42E-03	5.81E-04	2.76E-03	4.53E-04	3.38E-04
308	563621.8	4234999	3.37E-03	5.71E-04	2.72E-03	4.45E-04	3.33E-04
309	563624.2	4235013	3.30E-03	5.60E-04	2.67E-03	4.37E-04	3.26E-04
310	563621.6	4235027	3.28E-03	5.57E-04	2.65E-03	4.34E-04	3.24E-04
311	563614.2	4235040	3.31E-03	5.62E-04	2.67E-03	4.38E-04	3.27E-04
312	563606.8	4235053	3.34E-03	5.66E-04	2.70E-03	4.41E-04	3.30E-04
313	563599.4	4235066	3.36E-03	5.71E-04	2.72E-03	4.45E-04	3.32E-04
314	563591.9	4235079	3.40E-03	5.77E-04	2.74E-03	4.49E-04	3.36E-04
315	563584.5	4235092	3.45E-03	5.86E-04	2.79E-03	4.56E-04	3.41E-04
316	563577.1	4235105	3.52E-03	5.97E-04	2.84E-03	4.65E-04	3.47E-04
317	563569.7	4235118	3.59E-03	6.10E-04	2.90E-03	4.75E-04	3.55E-04
318	563554.8	4235144	3.76E-03	6.38E-04	3.04E-03	4.97E-04	3.71E-04
319	563547.4	4235156	3.84E-03	6.52E-04	3.10E-03	5.08E-04	3.79E-04
320	563540	4235169	3.91E-03	6.64E-04	3.16E-03	5.17E-04	3.86E-04
321	563532.5	4235182	3.97E-03	6.74E-04	3.21E-03	5.25E-04	3.92E-04
322	563525.1	4235195	4.02E-03	6.83E-04	3.25E-03	5.32E-04	3.97E-04
323	563517.7	4235208	4.07E-03	6.90E-04	3.28E-03	5.38E-04	4.02E-04
324	563510.3	4235221	4.10E-03	6.95E-04	3.31E-03	5.42E-04	4.05E-04
325	563502.8	4235234	4.11E-03	6.98E-04	3.32E-03	5.44E-04	4.06E-04
326	563582	4234764	4.02E-03	6.82E-04	3.25E-03	5.32E-04	3.97E-04
327	563574.7	4234751	4.17E-03	7.08E-04	3.37E-03	5.52E-04	4.12E-04
328	563622	4234759	3.54E-03	6.01E-04	2.86E-03	4.68E-04	3.50E-04
329	563624.3	4234774	3.47E-03	5.90E-04	2.81E-03	4.60E-04	3.43E-04
330	563626.7	4234789	3.42E-03	5.80E-04	2.76E-03	4.52E-04	3.37E-04
331	563629.1	4234804	3.37E-03	5.71E-04	2.72E-03	4.45E-04	3.33E-04
332	563631.4	4234819	3.32E-03	5.64E-04	2.68E-03	4.40E-04	3.28E-04
333	563633.8	4234834	3.28E-03	5.57E-04	2.65E-03	4.34E-04	3.24E-04
334	563636.2	4234849	3.25E-03	5.51E-04	2.62E-03	4.30E-04	3.21E-04
335	563638.6	4234864	3.22E-03	5.46E-04	2.60E-03	4.26E-04	3.18E-04
336	563640.9	4234879	3.19E-03	5.42E-04	2.58E-03	4.22E-04	3.15E-04
337	563643.3	4234894	3.17E-03	5.38E-04	2.56E-03	4.19E-04	3.13E-04
338	563645.7	4234909	3.15E-03	5.35E-04	2.55E-03	4.17E-04	3.11E-04
339	563648.1	4234923	3.14E-03	5.32E-04	2.53E-03	4.15E-04	3.10E-04
340	563650.4	4234938	3.12E-03	5.29E-04	2.52E-03	4.12E-04	3.08E-04
341	563652.8	4234953	3.10E-03	5.25E-04	2.50E-03	4.09E-04	3.06E-04
342	563655.2	4234968	3.07E-03	5.21E-04	2.48E-03	4.06E-04	3.03E-04
343	563657.6	4234983	3.03E-03	5.15E-04	2.45E-03	4.01E-04	3.00E-04
344	563659.9	4234998	2.99E-03	5.07E-04	2.41E-03	3.95E-04	2.95E-04
345	563662.3	4235013	2.92E-03	4.95E-04	2.36E-03	3.86E-04	2.88E-04
346	563660.9	4235035	2.85E-03	4.83E-04	2.30E-03	3.76E-04	2.81E-04
347	563653.4	4235048	2.87E-03	4.87E-04	2.32E-03	3.80E-04	2.84E-04
348	563645.8	4235061	2.89E-03	4.90E-04	2.33E-03	3.82E-04	2.85E-04
349	563638.3	4235074	2.90E-03	4.92E-04	2.34E-03	3.84E-04	2.86E-04
350	563630.7	4235087	2.92E-03	4.95E-04	2.35E-03	3.86E-04	2.88E-04
351	563623.2	4235100	2.95E-03	5.00E-04	2.38E-03	3.90E-04	2.91E-04
352	563615.7	4235113	3.00E-03	5.08E-04	2.42E-03	3.96E-04	2.96E-04
353	563608.1	4235126	3.06E-03	5.19E-04	2.47E-03	4.05E-04	3.02E-04
354	563600.6	4235140	3.13E-03	5.31E-04	2.53E-03	4.14E-04	3.09E-04
355	563585.5	4235166	3.27E-03	5.56E-04	2.64E-03	4.33E-04	3.23E-04
356	563578	4235179	3.35E-03	5.68E-04	2.70E-03	4.43E-04	3.31E-04
357	563570.4	4235192	3.41E-03	5.78E-04	2.75E-03	4.51E-04	3.37E-04
358	563562.9	4235205	3.45E-03	5.86E-04	2.79E-03	4.57E-04	3.41E-04

359	563555.3	4235218	3.49E-03	5.91E-04	2.81E-03	4.61E-04	3.44E-04
360	563547.8	4235231	3.52E-03	5.97E-04	2.84E-03	4.65E-04	3.47E-04
361	563540.2	4235244	3.56E-03	6.03E-04	2.87E-03	4.70E-04	3.51E-04
362	563532.7	4235258	3.60E-03	6.10E-04	2.90E-03	4.75E-04	3.55E-04
363	563617.1	4234745	3.62E-03	6.15E-04	2.93E-03	4.79E-04	3.58E-04
364	563609.9	4234732	3.73E-03	6.33E-04	3.01E-03	4.93E-04	3.68E-04
365	563657.1	4234740	3.17E-03	5.37E-04	2.56E-03	4.19E-04	3.13E-04
366	563659.4	4234755	3.09E-03	5.25E-04	2.50E-03	4.09E-04	3.06E-04
367	563661.8	4234769	3.04E-03	5.15E-04	2.45E-03	4.02E-04	3.00E-04
368	563664.1	4234784	2.99E-03	5.07E-04	2.41E-03	3.95E-04	2.95E-04
369	563666.5	4234799	2.93E-03	4.98E-04	2.37E-03	3.88E-04	2.90E-04
370	563668.8	4234814	2.89E-03	4.90E-04	2.33E-03	3.82E-04	2.85E-04
371	563671.2	4234829	2.86E-03	4.85E-04	2.31E-03	3.78E-04	2.82E-04
372	563673.5	4234843	2.83E-03	4.81E-04	2.29E-03	3.75E-04	2.80E-04
373	563675.9	4234858	2.82E-03	4.78E-04	2.28E-03	3.73E-04	2.78E-04
374	563678.2	4234873	2.81E-03	4.76E-04	2.27E-03	3.71E-04	2.77E-04
375	563680.6	4234888	2.80E-03	4.75E-04	2.26E-03	3.70E-04	2.77E-04
376	563682.9	4234902	2.80E-03	4.75E-04	2.26E-03	3.70E-04	2.76E-04
377	563685.3	4234917	2.79E-03	4.73E-04	2.25E-03	3.69E-04	2.76E-04
378	563687.6	4234932	2.78E-03	4.72E-04	2.25E-03	3.68E-04	2.75E-04
379	563689.9	4234947	2.77E-03	4.70E-04	2.24E-03	3.66E-04	2.74E-04
380	563692.3	4234961	2.76E-03	4.68E-04	2.23E-03	3.64E-04	2.72E-04
381	563694.6	4234976	2.72E-03	4.62E-04	2.20E-03	3.60E-04	2.69E-04
382	563697	4234991	2.67E-03	4.54E-04	2.16E-03	3.53E-04	2.64E-04
383	563699.3	4235006	2.63E-03	4.46E-04	2.12E-03	3.48E-04	2.60E-04
384	563701.7	4235021	2.59E-03	4.39E-04	2.09E-03	3.42E-04	2.55E-04
385	563700.3	4235042	2.54E-03	4.31E-04	2.05E-03	3.36E-04	2.51E-04
386	563692.8	4235055	2.54E-03	4.31E-04	2.05E-03	3.36E-04	2.51E-04
387	563685.4	4235068	2.54E-03	4.31E-04	2.05E-03	3.36E-04	2.51E-04
388	563677.9	4235081	2.54E-03	4.31E-04	2.05E-03	3.36E-04	2.51E-04
389	563670.5	4235094	2.54E-03	4.31E-04	2.05E-03	3.36E-04	2.51E-04
390	563663	4235107	2.56E-03	4.34E-04	2.07E-03	3.39E-04	2.53E-04
391	563655.6	4235120	2.58E-03	4.38E-04	2.08E-03	3.41E-04	2.55E-04
392	563648.1	4235133	2.62E-03	4.45E-04	2.12E-03	3.46E-04	2.59E-04
393	563640.7	4235146	2.68E-03	4.54E-04	2.16E-03	3.54E-04	2.65E-04
394	563633.2	4235158	2.74E-03	4.65E-04	2.21E-03	3.62E-04	2.71E-04
395	563618.3	4235184	2.85E-03	4.84E-04	2.30E-03	3.77E-04	2.82E-04
396	563610.8	4235197	2.91E-03	4.94E-04	2.35E-03	3.85E-04	2.87E-04
397	563603.4	4235210	2.96E-03	5.02E-04	2.39E-03	3.91E-04	2.92E-04
398	563595.9	4235223	3.00E-03	5.09E-04	2.42E-03	3.97E-04	2.97E-04
399	563588.5	4235236	3.03E-03	5.15E-04	2.45E-03	4.01E-04	3.00E-04
400	563581	4235249	3.07E-03	5.22E-04	2.48E-03	4.07E-04	3.04E-04
401	563573.6	4235262	3.12E-03	5.29E-04	2.52E-03	4.12E-04	3.08E-04
402	563566.1	4235275	3.17E-03	5.39E-04	2.56E-03	4.20E-04	3.13E-04
403	563558.7	4235288	3.23E-03	5.48E-04	2.61E-03	4.27E-04	3.19E-04
404	563652.3	4234726	3.27E-03	5.54E-04	2.64E-03	4.32E-04	3.23E-04
405	563645	4234712	3.39E-03	5.76E-04	2.74E-03	4.49E-04	3.35E-04
406	563692.3	4234721	2.85E-03	4.84E-04	2.30E-03	3.77E-04	2.81E-04
407	563694.6	4234736	2.78E-03	4.71E-04	2.24E-03	3.67E-04	2.74E-04
408	563697	4234751	2.71E-03	4.60E-04	2.19E-03	3.58E-04	2.68E-04
409	563699.4	4234766	2.66E-03	4.51E-04	2.15E-03	3.52E-04	2.63E-04
410	563701.8	4234781	2.62E-03	4.44E-04	2.11E-03	3.46E-04	2.58E-04

411	563704.1	4234796	2.56E-03	4.35E-04	2.07E-03	3.39E-04	2.53E-04
412	563706.5	4234811	2.51E-03	4.26E-04	2.03E-03	3.32E-04	2.48E-04
413	563708.9	4234826	2.48E-03	4.20E-04	2.00E-03	3.28E-04	2.45E-04
414	563711.3	4234841	2.46E-03	4.17E-04	1.98E-03	3.25E-04	2.43E-04
415	563713.7	4234856	2.45E-03	4.16E-04	1.98E-03	3.25E-04	2.42E-04
416	563716	4234871	2.46E-03	4.18E-04	1.99E-03	3.26E-04	2.43E-04
417	563718.4	4234886	2.47E-03	4.19E-04	1.99E-03	3.26E-04	2.44E-04
418	563720.8	4234900	2.46E-03	4.17E-04	1.98E-03	3.25E-04	2.43E-04
419	563723.2	4234915	2.45E-03	4.16E-04	1.98E-03	3.24E-04	2.42E-04
420	563725.5	4234930	2.45E-03	4.16E-04	1.98E-03	3.25E-04	2.42E-04
421	563727.9	4234945	2.45E-03	4.16E-04	1.98E-03	3.25E-04	2.42E-04
422	563730.3	4234960	2.45E-03	4.16E-04	1.98E-03	3.24E-04	2.42E-04
423	563732.7	4234975	2.44E-03	4.14E-04	1.97E-03	3.22E-04	2.41E-04
424	563735	4234990	2.42E-03	4.10E-04	1.95E-03	3.20E-04	2.39E-04
425	563737.4	4235005	2.38E-03	4.05E-04	1.93E-03	3.15E-04	2.35E-04
426	563739.8	4235020	2.33E-03	3.96E-04	1.88E-03	3.08E-04	2.30E-04
427	563742.2	4235035	2.28E-03	3.87E-04	1.84E-03	3.01E-04	2.25E-04
428	563739.6	4235049	2.26E-03	3.84E-04	1.83E-03	3.00E-04	2.24E-04
429	563732	4235062	2.28E-03	3.87E-04	1.84E-03	3.01E-04	2.25E-04
430	563724.5	4235075	2.29E-03	3.88E-04	1.85E-03	3.02E-04	2.26E-04
431	563716.9	4235089	2.28E-03	3.86E-04	1.84E-03	3.01E-04	2.25E-04
432	563709.4	4235102	2.27E-03	3.84E-04	1.83E-03	3.00E-04	2.24E-04
433	563701.8	4235115	2.26E-03	3.83E-04	1.82E-03	2.99E-04	2.23E-04
434	563694.3	4235128	2.27E-03	3.85E-04	1.83E-03	3.00E-04	2.24E-04
435	563686.7	4235141	2.29E-03	3.89E-04	1.85E-03	3.03E-04	2.26E-04
436	563679.2	4235154	2.33E-03	3.95E-04	1.88E-03	3.08E-04	2.30E-04
437	563671.6	4235167	2.38E-03	4.03E-04	1.92E-03	3.14E-04	2.35E-04
438	563649	4235207	2.53E-03	4.30E-04	2.05E-03	3.35E-04	2.50E-04
439	563641.4	4235220	2.58E-03	4.39E-04	2.09E-03	3.42E-04	2.55E-04
440	563633.9	4235233	2.63E-03	4.46E-04	2.12E-03	3.48E-04	2.60E-04
441	563626.3	4235246	2.67E-03	4.54E-04	2.16E-03	3.54E-04	2.64E-04
442	563618.8	4235259	2.71E-03	4.60E-04	2.19E-03	3.58E-04	2.68E-04
443	563611.2	4235272	2.74E-03	4.66E-04	2.22E-03	3.63E-04	2.71E-04
444	563603.7	4235285	2.79E-03	4.73E-04	2.25E-03	3.69E-04	2.75E-04
445	563596.1	4235299	2.85E-03	4.83E-04	2.30E-03	3.77E-04	2.81E-04
446	563588.6	4235312	2.91E-03	4.94E-04	2.35E-03	3.85E-04	2.87E-04
447	563581	4235325	2.96E-03	5.01E-04	2.39E-03	3.91E-04	2.92E-04
448	563687.4	4234707	2.95E-03	5.00E-04	2.38E-03	3.90E-04	2.91E-04
449	563680.2	4234693	3.06E-03	5.20E-04	2.47E-03	4.05E-04	3.03E-04
450	563727.4	4234702	2.58E-03	4.38E-04	2.09E-03	3.42E-04	2.55E-04
451	563729.8	4234717	2.52E-03	4.28E-04	2.03E-03	3.33E-04	2.49E-04
452	563732.1	4234731	2.46E-03	4.17E-04	1.98E-03	3.25E-04	2.43E-04
453	563734.5	4234746	2.40E-03	4.06E-04	1.93E-03	3.17E-04	2.37E-04
454	563736.8	4234761	2.34E-03	3.97E-04	1.89E-03	3.10E-04	2.31E-04
455	563739.2	4234776	2.30E-03	3.90E-04	1.86E-03	3.04E-04	2.27E-04
456	563741.5	4234791	2.25E-03	3.82E-04	1.82E-03	2.98E-04	2.23E-04
457	563743.9	4234805	2.21E-03	3.75E-04	1.78E-03	2.92E-04	2.18E-04
458	563746.2	4234820	2.17E-03	3.69E-04	1.76E-03	2.87E-04	2.15E-04
459	563748.6	4234835	2.15E-03	3.66E-04	1.74E-03	2.85E-04	2.13E-04
460	563756.5	4235095	2.02E-03	3.43E-04	1.63E-03	2.67E-04	2.00E-04
461	563749.1	4235108	2.02E-03	3.42E-04	1.63E-03	2.67E-04	1.99E-04
462	563741.6	4235121	2.02E-03	3.42E-04	1.63E-03	2.67E-04	1.99E-04

463	563734.1	4235134	2.02E-03	3.43E-04	1.63E-03	2.67E-04	2.00E-04
464	563726.6	4235147	2.02E-03	3.43E-04	1.63E-03	2.68E-04	2.00E-04
465	563719.2	4235160	2.05E-03	3.47E-04	1.65E-03	2.71E-04	2.02E-04
466	563711.7	4235173	2.08E-03	3.53E-04	1.68E-03	2.75E-04	2.06E-04
467	563704.2	4235186	2.13E-03	3.61E-04	1.72E-03	2.81E-04	2.10E-04
468	563689.3	4235212	2.20E-03	3.74E-04	1.78E-03	2.91E-04	2.17E-04
469	563681.8	4235225	2.25E-03	3.82E-04	1.82E-03	2.98E-04	2.22E-04
470	563674.3	4235238	2.30E-03	3.90E-04	1.86E-03	3.04E-04	2.27E-04
471	563666.8	4235251	2.35E-03	3.99E-04	1.90E-03	3.11E-04	2.32E-04
472	563659.4	4235264	2.40E-03	4.07E-04	1.93E-03	3.17E-04	2.37E-04
473	563651.9	4235277	2.44E-03	4.14E-04	1.97E-03	3.22E-04	2.41E-04
474	563644.4	4235290	2.48E-03	4.20E-04	2.00E-03	3.28E-04	2.45E-04
475	563636.9	4235303	2.52E-03	4.27E-04	2.03E-03	3.33E-04	2.49E-04
476	563629.5	4235316	2.56E-03	4.34E-04	2.07E-03	3.39E-04	2.53E-04
477	563622	4235329	2.60E-03	4.41E-04	2.10E-03	3.44E-04	2.57E-04
478	563614.5	4235342	2.64E-03	4.47E-04	2.13E-03	3.49E-04	2.60E-04
479	563607.1	4235355	2.66E-03	4.51E-04	2.15E-03	3.52E-04	2.63E-04
480	563722.6	4234688	2.66E-03	4.52E-04	2.15E-03	3.52E-04	2.63E-04
481	563807.8	4234967	1.98E-03	3.36E-04	1.60E-03	2.62E-04	1.95E-04
482	563810.1	4234982	1.98E-03	3.35E-04	1.60E-03	2.61E-04	1.95E-04
483	563812.5	4234997	1.97E-03	3.34E-04	1.59E-03	2.60E-04	1.94E-04
484	563814.9	4235012	1.95E-03	3.31E-04	1.57E-03	2.58E-04	1.92E-04
485	563817.3	4235027	1.92E-03	3.26E-04	1.55E-03	2.54E-04	1.90E-04
486	563819.7	4235042	1.89E-03	3.21E-04	1.53E-03	2.50E-04	1.87E-04
487	563818.3	4235064	1.87E-03	3.17E-04	1.51E-03	2.47E-04	1.84E-04
488	563810.7	4235077	1.87E-03	3.18E-04	1.51E-03	2.47E-04	1.85E-04
489	563757.8	4235169	1.84E-03	3.12E-04	1.48E-03	2.43E-04	1.81E-04
490	563750.3	4235182	1.86E-03	3.15E-04	1.50E-03	2.45E-04	1.83E-04
491	563742.7	4235195	1.88E-03	3.20E-04	1.52E-03	2.49E-04	1.86E-04
492	563735.1	4235208	1.92E-03	3.26E-04	1.55E-03	2.54E-04	1.89E-04
493	563720	4235234	1.99E-03	3.37E-04	1.60E-03	2.63E-04	1.96E-04
494	563712.5	4235248	2.03E-03	3.44E-04	1.64E-03	2.68E-04	2.00E-04
495	563704.9	4235261	2.07E-03	3.51E-04	1.67E-03	2.74E-04	2.04E-04
496	563697.4	4235274	2.11E-03	3.59E-04	1.71E-03	2.80E-04	2.09E-04
497	563689.8	4235287	2.16E-03	3.66E-04	1.74E-03	2.85E-04	2.13E-04
498	563682.3	4235300	2.20E-03	3.73E-04	1.77E-03	2.91E-04	2.17E-04
499	563674.7	4235313	2.24E-03	3.80E-04	1.81E-03	2.96E-04	2.21E-04
500	563667.1	4235326	2.28E-03	3.86E-04	1.84E-03	3.01E-04	2.25E-04
501	563659.6	4235340	2.32E-03	3.93E-04	1.87E-03	3.06E-04	2.29E-04
502	563652	4235353	2.35E-03	3.99E-04	1.90E-03	3.11E-04	2.32E-04
503	563644.5	4235366	2.38E-03	4.03E-04	1.92E-03	3.14E-04	2.35E-04
504	563636.9	4235379	2.39E-03	4.06E-04	1.93E-03	3.16E-04	2.36E-04
505	563804.8	4234708	2.08E-03	3.54E-04	1.68E-03	2.76E-04	2.06E-04
506	563807.2	4234723	2.03E-03	3.45E-04	1.64E-03	2.69E-04	2.01E-04
507	563809.5	4234738	1.98E-03	3.36E-04	1.60E-03	2.62E-04	1.95E-04
508	563811.9	4234753	1.92E-03	3.26E-04	1.55E-03	2.54E-04	1.90E-04
509	563814.2	4234768	1.86E-03	3.15E-04	1.50E-03	2.46E-04	1.83E-04
510	563816.6	4234782	1.79E-03	3.04E-04	1.45E-03	2.37E-04	1.77E-04
511	563818.9	4234797	1.74E-03	2.96E-04	1.41E-03	2.30E-04	1.72E-04
512	563821.3	4234812	1.71E-03	2.90E-04	1.38E-03	2.26E-04	1.69E-04
513	563823.7	4234827	1.68E-03	2.85E-04	1.35E-03	2.22E-04	1.66E-04
514	563826	4234842	1.65E-03	2.80E-04	1.33E-03	2.18E-04	1.63E-04

515	563828.4	4234857	1.64E-03	2.78E-04	1.32E-03	2.16E-04	1.62E-04
516	563830.7	4234871	1.63E-03	2.77E-04	1.32E-03	2.16E-04	1.61E-04
517	563833.1	4234886	1.49E-03	2.52E-04	1.20E-03	1.97E-04	1.47E-04
518	563835.4	4234901	1.49E-03	2.53E-04	1.20E-03	1.97E-04	1.47E-04
519	563837.8	4234916	1.50E-03	2.55E-04	1.21E-03	1.99E-04	1.48E-04
520	563840.2	4234931	1.51E-03	2.57E-04	1.22E-03	2.00E-04	1.50E-04
521	563842.5	4234946	1.52E-03	2.59E-04	1.23E-03	2.02E-04	1.51E-04
522	563844.9	4234960	1.54E-03	2.61E-04	1.24E-03	2.03E-04	1.52E-04
523	563847.2	4234975	1.54E-03	2.62E-04	1.25E-03	2.04E-04	1.53E-04
524	563849.6	4234990	1.54E-03	2.61E-04	1.24E-03	2.03E-04	1.52E-04
525	563851.9	4235005	1.53E-03	2.59E-04	1.23E-03	2.02E-04	1.51E-04
526	563854.3	4235020	1.52E-03	2.58E-04	1.23E-03	2.01E-04	1.50E-04
527	563856.7	4235035	1.50E-03	2.55E-04	1.21E-03	1.99E-04	1.48E-04
528	563859	4235049	1.49E-03	2.52E-04	1.20E-03	1.96E-04	1.47E-04
529	563857.6	4235071	1.48E-03	2.52E-04	1.20E-03	1.96E-04	1.47E-04
530	563850.1	4235084	1.52E-03	2.58E-04	1.23E-03	2.01E-04	1.50E-04
531	563842.7	4235097	1.58E-03	2.68E-04	1.28E-03	2.09E-04	1.56E-04
532	563835.2	4235110	1.70E-03	2.89E-04	1.37E-03	2.25E-04	1.68E-04
533	563827.7	4235123	1.70E-03	2.89E-04	1.37E-03	2.25E-04	1.68E-04
534	563820.2	4235136	1.70E-03	2.88E-04	1.37E-03	2.25E-04	1.68E-04
535	563812.7	4235149	1.69E-03	2.86E-04	1.36E-03	2.23E-04	1.67E-04
536	563752.8	4235253	1.80E-03	3.05E-04	1.45E-03	2.38E-04	1.78E-04
537	563745.3	4235266	1.83E-03	3.11E-04	1.48E-03	2.42E-04	1.81E-04
538	563737.8	4235279	1.87E-03	3.17E-04	1.51E-03	2.47E-04	1.85E-04
539	563730.3	4235292	1.90E-03	3.23E-04	1.54E-03	2.52E-04	1.88E-04
540	563722.8	4235305	1.94E-03	3.30E-04	1.57E-03	2.57E-04	1.92E-04
541	563715.3	4235318	1.98E-03	3.36E-04	1.60E-03	2.62E-04	1.96E-04
542	563707.8	4235331	2.02E-03	3.42E-04	1.63E-03	2.67E-04	1.99E-04
543	563700.4	4235344	2.05E-03	3.48E-04	1.66E-03	2.71E-04	2.03E-04
544	563692.9	4235357	2.08E-03	3.54E-04	1.68E-03	2.76E-04	2.06E-04
545	563685.4	4235370	2.11E-03	3.58E-04	1.71E-03	2.79E-04	2.09E-04
546	563677.9	4235383	2.14E-03	3.63E-04	1.73E-03	2.83E-04	2.11E-04
547	563670.4	4235396	2.16E-03	3.66E-04	1.74E-03	2.85E-04	2.13E-04
548	563662.9	4235409	2.17E-03	3.68E-04	1.75E-03	2.87E-04	2.14E-04
549	563844.8	4234720	1.86E-03	3.16E-04	1.50E-03	2.46E-04	1.84E-04
550	563847.2	4234735	1.81E-03	3.07E-04	1.46E-03	2.40E-04	1.79E-04
551	563849.5	4234749	1.76E-03	2.98E-04	1.42E-03	2.32E-04	1.73E-04
552	563851.9	4234764	1.69E-03	2.87E-04	1.37E-03	2.24E-04	1.67E-04
553	563854.3	4234779	1.63E-03	2.77E-04	1.32E-03	2.16E-04	1.61E-04
554	563856.7	4234794	1.58E-03	2.68E-04	1.28E-03	2.09E-04	1.56E-04
555	563859.1	4234809	1.53E-03	2.60E-04	1.24E-03	2.03E-04	1.52E-04
556	563861.4	4234824	1.38E-03	2.34E-04	1.11E-03	1.82E-04	1.36E-04
557	563863.8	4234839	1.34E-03	2.27E-04	1.08E-03	1.77E-04	1.32E-04
558	563866.2	4234854	1.31E-03	2.23E-04	1.06E-03	1.74E-04	1.30E-04
559	563868.6	4234869	1.31E-03	2.22E-04	1.06E-03	1.73E-04	1.29E-04
560	563871	4234884	1.29E-03	2.18E-04	1.04E-03	1.70E-04	1.27E-04
561	563873.3	4234899	1.25E-03	2.12E-04	1.01E-03	1.65E-04	1.23E-04
562	563875.7	4234914	1.24E-03	2.10E-04	9.98E-04	1.63E-04	1.22E-04
563	563878.1	4234929	1.25E-03	2.12E-04	1.01E-03	1.66E-04	1.24E-04
564	563880.5	4234944	1.29E-03	2.19E-04	1.04E-03	1.71E-04	1.28E-04
565	563882.9	4234959	1.35E-03	2.29E-04	1.09E-03	1.78E-04	1.33E-04
566	563885.2	4234974	1.36E-03	2.30E-04	1.10E-03	1.79E-04	1.34E-04

567	563887.6	4234989	1.33E-03	2.26E-04	1.08E-03	1.76E-04	1.32E-04
568	563890	4235004	1.33E-03	2.25E-04	1.07E-03	1.75E-04	1.31E-04
569	563892.4	4235019	1.33E-03	2.26E-04	1.07E-03	1.76E-04	1.31E-04
570	563894.8	4235034	1.33E-03	2.26E-04	1.08E-03	1.76E-04	1.32E-04
571	563897.1	4235049	1.33E-03	2.26E-04	1.07E-03	1.76E-04	1.31E-04
572	563899.5	4235064	1.32E-03	2.25E-04	1.07E-03	1.75E-04	1.31E-04
573	563896.9	4235078	1.33E-03	2.25E-04	1.07E-03	1.75E-04	1.31E-04
574	563889.4	4235091	1.34E-03	2.28E-04	1.09E-03	1.78E-04	1.33E-04
575	563881.8	4235104	1.38E-03	2.35E-04	1.12E-03	1.83E-04	1.37E-04
576	563874.3	4235118	1.44E-03	2.44E-04	1.16E-03	1.90E-04	1.42E-04
577	563866.7	4235131	1.56E-03	2.65E-04	1.26E-03	2.06E-04	1.54E-04
578	563859.1	4235144	1.56E-03	2.65E-04	1.26E-03	2.07E-04	1.54E-04
579	563851.6	4235157	1.56E-03	2.65E-04	1.26E-03	2.07E-04	1.54E-04
580	563844	4235170	1.55E-03	2.64E-04	1.26E-03	2.06E-04	1.54E-04
581	563836.5	4235183	1.54E-03	2.61E-04	1.24E-03	2.04E-04	1.52E-04
582	563828.9	4235196	1.53E-03	2.60E-04	1.24E-03	2.02E-04	1.51E-04
583	563760.8	4235315	1.74E-03	2.95E-04	1.40E-03	2.30E-04	1.72E-04
584	563753.3	4235328	1.77E-03	3.00E-04	1.43E-03	2.34E-04	1.75E-04
585	563745.7	4235341	1.80E-03	3.06E-04	1.46E-03	2.38E-04	1.78E-04
586	563738.2	4235354	1.83E-03	3.11E-04	1.48E-03	2.43E-04	1.81E-04
587	563730.6	4235367	1.87E-03	3.17E-04	1.51E-03	2.47E-04	1.84E-04
588	563723	4235381	1.89E-03	3.21E-04	1.53E-03	2.50E-04	1.87E-04
589	563715.5	4235394	1.91E-03	3.24E-04	1.54E-03	2.53E-04	1.89E-04
590	563707.9	4235407	1.93E-03	3.27E-04	1.55E-03	2.55E-04	1.90E-04
591	563700.4	4235420	1.94E-03	3.29E-04	1.57E-03	2.57E-04	1.92E-04
592	563692.8	4235433	1.96E-03	3.33E-04	1.58E-03	2.59E-04	1.94E-04
593	563685.2	4235446	1.98E-03	3.37E-04	1.60E-03	2.62E-04	1.96E-04
594	563886.9	4234744	1.59E-03	2.70E-04	1.29E-03	2.11E-04	1.57E-04
595	563889.3	4234759	1.53E-03	2.60E-04	1.24E-03	2.02E-04	1.51E-04
596	563891.6	4234774	1.48E-03	2.51E-04	1.20E-03	1.96E-04	1.46E-04
597	563894	4234789	1.34E-03	2.28E-04	1.09E-03	1.78E-04	1.33E-04
598	563896.4	4234804	1.27E-03	2.15E-04	1.02E-03	1.68E-04	1.25E-04
599	563898.7	4234819	1.20E-03	2.04E-04	9.70E-04	1.59E-04	1.19E-04
600	563901.1	4234834	1.17E-03	1.98E-04	9.41E-04	1.54E-04	1.15E-04
601	563903.5	4234848	1.14E-03	1.93E-04	9.17E-04	1.50E-04	1.12E-04
602	563905.8	4234863	1.12E-03	1.90E-04	9.04E-04	1.48E-04	1.11E-04
603	563908.2	4234878	1.11E-03	1.89E-04	8.99E-04	1.47E-04	1.10E-04
604	563910.5	4234893	1.11E-03	1.89E-04	8.99E-04	1.47E-04	1.10E-04
605	563912.9	4234908	1.12E-03	1.90E-04	9.06E-04	1.48E-04	1.11E-04
606	563915.3	4234923	1.13E-03	1.93E-04	9.16E-04	1.50E-04	1.12E-04
607	563917.6	4234938	1.15E-03	1.95E-04	9.30E-04	1.52E-04	1.14E-04
608	563920	4234952	1.17E-03	1.99E-04	9.46E-04	1.55E-04	1.16E-04
609	563922.3	4234967	1.19E-03	2.02E-04	9.61E-04	1.57E-04	1.18E-04
610	563924.7	4234982	1.21E-03	2.05E-04	9.75E-04	1.60E-04	1.19E-04
611	563927.1	4234997	1.22E-03	2.07E-04	9.87E-04	1.62E-04	1.21E-04
612	563929.4	4235012	1.23E-03	2.09E-04	9.96E-04	1.63E-04	1.22E-04
613	563931.8	4235027	1.24E-03	2.10E-04	1.00E-03	1.64E-04	1.22E-04
614	563934.2	4235042	1.19E-03	2.01E-04	9.58E-04	1.57E-04	1.17E-04
615	563936.5	4235057	1.14E-03	1.93E-04	9.19E-04	1.51E-04	1.12E-04
616	563938.9	4235071	1.18E-03	2.00E-04	9.50E-04	1.56E-04	1.16E-04
617	563936.3	4235085	1.23E-03	2.08E-04	9.91E-04	1.62E-04	1.21E-04
618	563928.8	4235098	1.25E-03	2.12E-04	1.01E-03	1.65E-04	1.23E-04

619	563921.3	4235111	1.23E-03	2.09E-04	9.94E-04	1.63E-04	1.22E-04
620	563913.8	4235124	1.25E-03	2.13E-04	1.01E-03	1.66E-04	1.24E-04
621	563906.3	4235137	1.29E-03	2.19E-04	1.04E-03	1.71E-04	1.28E-04
622	563898.8	4235151	1.34E-03	2.27E-04	1.08E-03	1.77E-04	1.32E-04
623	563891.3	4235164	1.43E-03	2.43E-04	1.16E-03	1.89E-04	1.41E-04
624	563883.8	4235177	1.44E-03	2.44E-04	1.16E-03	1.90E-04	1.42E-04
625	563876.3	4235190	1.43E-03	2.43E-04	1.16E-03	1.90E-04	1.42E-04
626	563868.8	4235203	1.42E-03	2.41E-04	1.15E-03	1.88E-04	1.40E-04
627	563861.3	4235216	1.41E-03	2.40E-04	1.14E-03	1.87E-04	1.40E-04
628	563853.8	4235229	1.41E-03	2.40E-04	1.14E-03	1.87E-04	1.40E-04
629	563763.8	4235385	1.67E-03	2.84E-04	1.35E-03	2.21E-04	1.65E-04
630	563756.3	4235398	1.70E-03	2.88E-04	1.37E-03	2.25E-04	1.68E-04
631	563748.8	4235411	1.72E-03	2.92E-04	1.39E-03	2.28E-04	1.70E-04
632	563741.3	4235425	1.74E-03	2.96E-04	1.41E-03	2.31E-04	1.72E-04
633	563733.8	4235438	1.77E-03	3.00E-04	1.43E-03	2.34E-04	1.75E-04
634	563726.3	4235451	1.79E-03	3.03E-04	1.44E-03	2.37E-04	1.77E-04
635	563718.8	4235464	1.81E-03	3.07E-04	1.46E-03	2.39E-04	1.78E-04
636	563711.3	4235477	1.82E-03	3.09E-04	1.47E-03	2.41E-04	1.80E-04
637	563264.4	4234908	4.84E-02	8.22E-03	3.91E-02	6.40E-03	4.78E-03
638	563600.7	4234810	3.76E-03	6.38E-04	3.04E-03	4.97E-04	3.71E-04
639	563638.6	4234797	3.26E-03	5.52E-04	2.63E-03	4.31E-04	3.22E-04
640	563633.8	4234783	3.34E-03	5.66E-04	2.69E-03	4.41E-04	3.29E-04
641	563676.5	4234785	2.86E-03	4.85E-04	2.31E-03	3.78E-04	2.82E-04
642	563671.7	4234770	2.93E-03	4.97E-04	2.37E-03	3.87E-04	2.89E-04
643	563714.4	4234772	2.51E-03	4.26E-04	2.03E-03	3.32E-04	2.48E-04
644	563709.6	4234758	2.57E-03	4.36E-04	2.08E-03	3.40E-04	2.54E-04
645	563828.1	4234733	1.90E-03	3.23E-04	1.54E-03	2.52E-04	1.88E-04
646	563823.3	4234719	1.96E-03	3.33E-04	1.58E-03	2.59E-04	1.94E-04
647	563260	4234894	5.46E-02	9.26E-03	4.41E-02	7.22E-03	5.39E-03
648	563271.8	4234898	4.41E-02	7.48E-03	3.56E-02	5.83E-03	4.35E-03
649	563281.4	4234895	3.83E-02	6.50E-03	3.09E-02	5.06E-03	3.78E-03
650	563290.9	4234893	3.35E-02	5.69E-03	2.71E-02	4.43E-03	3.31E-03
651	563300.5	4234890	2.95E-02	5.01E-03	2.38E-02	3.91E-03	2.92E-03
652	563307.7	4234879	2.72E-02	4.61E-03	2.20E-02	3.60E-03	2.68E-03
653	563317.3	4234876	2.42E-02	4.10E-03	1.95E-02	3.20E-03	2.39E-03
654	563326.8	4234873	2.16E-02	3.67E-03	1.74E-02	2.86E-03	2.13E-03
655	563269.5	4234888	4.69E-02	7.96E-03	3.79E-02	6.21E-03	4.63E-03
656	563279.4	4234887	4.01E-02	6.81E-03	3.24E-02	5.31E-03	3.96E-03
657	563606.8	4234845	3.64E-03	6.17E-04	2.94E-03	4.81E-04	3.59E-04
658	563646.3	4234838	3.13E-03	5.31E-04	2.53E-03	4.14E-04	3.09E-04
659	563685.9	4234832	2.70E-03	4.59E-04	2.18E-03	3.58E-04	2.67E-04
660	563684.5	4234824	2.72E-03	4.61E-04	2.20E-03	3.60E-04	2.69E-04
661	563725.4	4234826	2.32E-03	3.94E-04	1.88E-03	3.07E-04	2.29E-04
662	563804.4	4234814	1.80E-03	3.06E-04	1.46E-03	2.38E-04	1.78E-04
663	563803.1	4234805	1.82E-03	3.09E-04	1.47E-03	2.41E-04	1.80E-04
664	563844	4234808	1.61E-03	2.74E-04	1.30E-03	2.13E-04	1.59E-04
665	563883.5	4234801	1.34E-03	2.28E-04	1.08E-03	1.77E-04	1.33E-04
666	563923	4234795	1.22E-03	2.07E-04	9.84E-04	1.61E-04	1.20E-04
667	563921.7	4234787	1.26E-03	2.14E-04	1.02E-03	1.66E-04	1.24E-04
668	563258.1	4234880	5.87E-02	9.96E-03	4.74E-02	7.76E-03	5.80E-03
669	563268	4234878	4.92E-02	8.35E-03	3.97E-02	6.51E-03	4.86E-03
670	563277.9	4234877	4.19E-02	7.11E-03	3.38E-02	5.54E-03	4.14E-03

671	563287.7	4234875	3.60E-02	6.12E-03	2.91E-02	4.77E-03	3.56E-03
672	563297.6	4234874	3.13E-02	5.32E-03	2.53E-02	4.14E-03	3.09E-03
673	563564.3	4234832	4.28E-03	7.27E-04	3.46E-03	5.67E-04	4.23E-04
674	563605.4	4234835	3.67E-03	6.22E-04	2.96E-03	4.85E-04	3.62E-04
675	563603.8	4234825	3.70E-03	6.28E-04	2.99E-03	4.89E-04	3.65E-04
676	563644.9	4234829	3.15E-03	5.35E-04	2.54E-03	4.17E-04	3.11E-04
677	563643.3	4234819	3.17E-03	5.39E-04	2.56E-03	4.20E-04	3.14E-04
678	563682.9	4234813	2.74E-03	4.65E-04	2.21E-03	3.63E-04	2.71E-04
679	563723.9	4234817	2.34E-03	3.97E-04	1.89E-03	3.09E-04	2.31E-04
680	563722.4	4234807	2.37E-03	4.03E-04	1.92E-03	3.14E-04	2.34E-04
681	563842.4	4234798	1.64E-03	2.78E-04	1.32E-03	2.16E-04	1.62E-04
682	563840.9	4234788	1.66E-03	2.82E-04	1.34E-03	2.20E-04	1.64E-04
683	563882	4234792	1.48E-03	2.51E-04	1.19E-03	1.96E-04	1.46E-04
684	563880.4	4234782	1.52E-03	2.57E-04	1.22E-03	2.00E-04	1.50E-04
685	563919.9	4234776	1.29E-03	2.18E-04	1.04E-03	1.70E-04	1.27E-04
686	563257.4	4234870	6.08E-02	1.03E-02	4.91E-02	8.04E-03	6.00E-03
687	563267.4	4234869	5.06E-02	8.58E-03	4.08E-02	6.69E-03	5.00E-03
688	563307.3	4234866	2.77E-02	4.70E-03	2.24E-02	3.66E-03	2.73E-03
689	563317.2	4234865	2.44E-02	4.14E-03	1.97E-02	3.22E-03	2.41E-03
690	563327.2	4234865	2.16E-02	3.67E-03	1.75E-02	2.86E-03	2.14E-03
691	563347.1	4234863	1.73E-02	2.94E-03	1.40E-02	2.29E-03	1.71E-03
692	563607.3	4234855	3.62E-03	6.14E-04	2.92E-03	4.79E-04	3.57E-04
693	563647.2	4234852	3.12E-03	5.29E-04	2.52E-03	4.13E-04	3.08E-04
694	563687	4234848	2.70E-03	4.58E-04	2.18E-03	3.57E-04	2.67E-04
695	563726.9	4234845	2.32E-03	3.93E-04	1.87E-03	3.06E-04	2.29E-04
696	563806.7	4234839	1.77E-03	3.01E-04	1.43E-03	2.35E-04	1.75E-04
697	563805.7	4234827	1.78E-03	3.03E-04	1.44E-03	2.36E-04	1.76E-04
698	563846.6	4234836	1.42E-03	2.41E-04	1.15E-03	1.88E-04	1.40E-04
699	563845.6	4234824	1.58E-03	2.67E-04	1.27E-03	2.08E-04	1.56E-04
700	563886.4	4234833	1.24E-03	2.10E-04	1.00E-03	1.64E-04	1.22E-04
701	563885.5	4234821	1.26E-03	2.14E-04	1.02E-03	1.67E-04	1.25E-04
702	563926.3	4234830	1.10E-03	1.87E-04	8.91E-04	1.46E-04	1.09E-04
703	563925.4	4234818	1.13E-03	1.91E-04	9.10E-04	1.49E-04	1.11E-04
704	563257.7	4234861	6.15E-02	1.04E-02	4.97E-02	8.14E-03	6.08E-03
705	563277.6	4234867	4.27E-02	7.24E-03	3.45E-02	5.64E-03	4.21E-03
706	563287.7	4234862	3.67E-02	6.22E-03	2.96E-02	4.85E-03	3.62E-03
707	563297.7	4234862	3.17E-02	5.37E-03	2.56E-02	4.19E-03	3.13E-03
708	563607.6	4234873	3.60E-03	6.11E-04	2.91E-03	4.76E-04	3.55E-04
709	563647.7	4234867	3.12E-03	5.29E-04	2.52E-03	4.12E-04	3.08E-04
710	563687.5	4234880	2.73E-03	4.63E-04	2.20E-03	3.61E-04	2.69E-04
711	563687.6	4234868	2.71E-03	4.60E-04	2.19E-03	3.59E-04	2.68E-04
712	563727.5	4234881	2.39E-03	4.05E-04	1.93E-03	3.16E-04	2.36E-04
713	563727.6	4234869	2.36E-03	4.01E-04	1.91E-03	3.13E-04	2.33E-04
714	563807.4	4234882	1.81E-03	3.07E-04	1.46E-03	2.40E-04	1.79E-04
715	563807.6	4234870	1.79E-03	3.04E-04	1.45E-03	2.37E-04	1.77E-04
716	563847.4	4234882	1.39E-03	2.35E-04	1.12E-03	1.84E-04	1.37E-04
717	563847.6	4234871	1.38E-03	2.34E-04	1.11E-03	1.83E-04	1.36E-04
718	563887.4	4234883	1.21E-03	2.05E-04	9.73E-04	1.59E-04	1.19E-04
719	563887.6	4234871	1.21E-03	2.05E-04	9.77E-04	1.60E-04	1.19E-04
720	563927.4	4234884	1.07E-03	1.81E-04	8.61E-04	1.41E-04	1.05E-04
721	563927.6	4234872	1.06E-03	1.81E-04	8.59E-04	1.41E-04	1.05E-04
722	563258.1	4234845	6.26E-02	1.06E-02	5.06E-02	8.28E-03	6.19E-03

723	563267.9	4234853	5.14E-02	8.72E-03	4.15E-02	6.79E-03	5.07E-03
724	563277.9	4234853	4.32E-02	7.33E-03	3.49E-02	5.71E-03	4.27E-03
725	563288.1	4234845	3.69E-02	6.27E-03	2.98E-02	4.88E-03	3.65E-03
726	563298.1	4234846	3.18E-02	5.40E-03	2.57E-02	4.21E-03	3.14E-03
727	563307.9	4234854	2.77E-02	4.70E-03	2.24E-02	3.66E-03	2.74E-03
728	563317.9	4234854	2.43E-02	4.13E-03	1.97E-02	3.22E-03	2.40E-03
729	563327.9	4234855	2.16E-02	3.66E-03	1.74E-02	2.85E-03	2.13E-03
730	563348.1	4234847	1.72E-02	2.92E-03	1.39E-02	2.28E-03	1.70E-03
731	563367.9	4234856	1.41E-02	2.39E-03	1.14E-02	1.86E-03	1.39E-03
732	563388	4234848	1.15E-02	1.95E-03	9.30E-03	1.52E-03	1.14E-03
733	563408	4234848	9.84E-03	1.67E-03	7.95E-03	1.30E-03	9.72E-04
734	563728	4234855	2.33E-03	3.95E-04	1.88E-03	3.08E-04	2.30E-04
735	563807.9	4234857	1.77E-03	3.01E-04	1.43E-03	2.35E-04	1.75E-04
736	563847.9	4234858	1.38E-03	2.34E-04	1.11E-03	1.82E-04	1.36E-04
737	563887.9	4234859	1.21E-03	2.05E-04	9.76E-04	1.60E-04	1.19E-04
738	563927.9	4234860	1.07E-03	1.81E-04	8.61E-04	1.41E-04	1.05E-04
739	563249	4234812	7.90E-02	1.34E-02	6.38E-02	1.04E-02	7.80E-03
740	563258.6	4234829	6.30E-02	1.07E-02	5.09E-02	8.33E-03	6.22E-03
741	563259	4234812	6.28E-02	1.06E-02	5.07E-02	8.30E-03	6.20E-03
742	563268.3	4234837	5.18E-02	8.78E-03	4.18E-02	6.84E-03	5.11E-03
743	563268.8	4234821	5.16E-02	8.76E-03	4.17E-02	6.83E-03	5.10E-03
744	563278.3	4234837	4.33E-02	7.35E-03	3.50E-02	5.73E-03	4.28E-03
745	563278.8	4234821	4.30E-02	7.29E-03	3.47E-02	5.68E-03	4.24E-03
746	563288.5	4234830	3.65E-02	6.20E-03	2.95E-02	4.83E-03	3.61E-03
747	563289	4234813	3.58E-02	6.07E-03	2.89E-02	4.73E-03	3.53E-03
748	563298.5	4234830	3.13E-02	5.31E-03	2.53E-02	4.14E-03	3.09E-03
749	563299	4234814	3.05E-02	5.18E-03	2.46E-02	4.04E-03	3.01E-03
750	563308.3	4234838	2.75E-02	4.66E-03	2.22E-02	3.63E-03	2.71E-03
751	563308.8	4234822	2.68E-02	4.55E-03	2.16E-02	3.54E-03	2.65E-03
752	563318.3	4234839	2.41E-02	4.09E-03	1.95E-02	3.19E-03	2.38E-03
753	563318.8	4234822	2.35E-02	3.99E-03	1.90E-02	3.11E-03	2.32E-03
754	563328.3	4234839	2.13E-02	3.62E-03	1.72E-02	2.82E-03	2.11E-03
755	563328.8	4234823	2.08E-02	3.53E-03	1.68E-02	2.75E-03	2.05E-03
756	563348.5	4234831	1.69E-02	2.86E-03	1.36E-02	2.23E-03	1.67E-03
757	563349	4234815	1.64E-02	2.79E-03	1.33E-02	2.17E-03	1.62E-03
758	563368.3	4234840	1.39E-02	2.36E-03	1.13E-02	1.84E-03	1.38E-03
759	563368.7	4234824	1.36E-02	2.32E-03	1.10E-02	1.80E-03	1.35E-03
760	563388.5	4234832	1.14E-02	1.94E-03	9.23E-03	1.51E-03	1.13E-03
761	563389	4234816	1.13E-02	1.92E-03	9.14E-03	1.50E-03	1.12E-03
762	563408.7	4234825	9.72E-03	1.65E-03	7.85E-03	1.29E-03	9.60E-04
763	563428.2	4234842	8.59E-03	1.46E-03	6.94E-03	1.14E-03	8.48E-04
764	563429	4234817	8.39E-03	1.42E-03	6.77E-03	1.11E-03	8.28E-04
765	563448.5	4234834	7.47E-03	1.27E-03	6.03E-03	9.88E-04	7.38E-04
766	563468.5	4234835	6.67E-03	1.13E-03	5.38E-03	8.82E-04	6.58E-04
767	563488.7	4234827	6.04E-03	1.02E-03	4.88E-03	7.99E-04	5.96E-04
768	563508.7	4234828	5.45E-03	9.24E-04	4.40E-03	7.21E-04	5.38E-04
769	563528.4	4234837	4.92E-03	8.35E-04	3.98E-03	6.51E-04	4.86E-04
770	563528.9	4234820	4.97E-03	8.43E-04	4.01E-03	6.57E-04	4.90E-04
771	563568.2	4234846	4.24E-03	7.20E-04	3.43E-03	5.61E-04	4.19E-04
772	563568.9	4234822	4.18E-03	7.09E-04	3.37E-03	5.53E-04	4.13E-04
773	563687.9	4234858	2.70E-03	4.58E-04	2.18E-03	3.57E-04	2.66E-04
774	563728.6	4234834	2.30E-03	3.90E-04	1.86E-03	3.04E-04	2.27E-04

775	563848.3	4234846	1.38E-03	2.34E-04	1.11E-03	1.82E-04	1.36E-04
776	563888.3	4234847	1.21E-03	2.06E-04	9.79E-04	1.60E-04	1.20E-04
777	563928.3	4234848	1.07E-03	1.82E-04	8.67E-04	1.42E-04	1.06E-04
778	563249.2	4234803	7.89E-02	1.34E-02	6.37E-02	1.04E-02	7.79E-03
779	563249.4	4234793	7.87E-02	1.33E-02	6.35E-02	1.04E-02	7.77E-03
780	563249.6	4234784	7.81E-02	1.32E-02	6.30E-02	1.03E-02	7.71E-03
781	563249.7	4234774	7.70E-02	1.31E-02	6.21E-02	1.02E-02	7.60E-03
782	563249.9	4234765	7.56E-02	1.28E-02	6.10E-02	1.00E-02	7.46E-03
783	563250.1	4234756	7.40E-02	1.25E-02	5.97E-02	9.78E-03	7.30E-03
784	563250.2	4234746	7.25E-02	1.23E-02	5.85E-02	9.59E-03	7.16E-03
785	563250.4	4234737	7.07E-02	1.20E-02	5.71E-02	9.35E-03	6.98E-03
786	563250.6	4234728	6.84E-02	1.16E-02	5.53E-02	9.05E-03	6.76E-03
787	563259.2	4234803	6.23E-02	1.06E-02	5.03E-02	8.24E-03	6.15E-03
788	563259.4	4234793	6.16E-02	1.05E-02	4.98E-02	8.15E-03	6.09E-03
789	563259.6	4234784	6.08E-02	1.03E-02	4.91E-02	8.05E-03	6.01E-03
790	563259.7	4234775	5.99E-02	1.02E-02	4.83E-02	7.92E-03	5.91E-03
791	563259.9	4234765	5.87E-02	9.96E-03	4.74E-02	7.76E-03	5.80E-03
792	563260.1	4234756	5.73E-02	9.73E-03	4.63E-02	7.58E-03	5.66E-03
793	563260.2	4234747	5.59E-02	9.49E-03	4.52E-02	7.40E-03	5.52E-03
794	563260.4	4234737	5.43E-02	9.21E-03	4.38E-02	7.18E-03	5.36E-03
795	563260.6	4234728	5.24E-02	8.89E-03	4.23E-02	6.93E-03	5.17E-03
796	563269	4234812	5.12E-02	8.69E-03	4.13E-02	6.77E-03	5.06E-03
797	563269.2	4234803	5.05E-02	8.57E-03	4.08E-02	6.68E-03	4.99E-03
798	563269.4	4234794	4.97E-02	8.43E-03	4.01E-02	6.57E-03	4.91E-03
799	563269.5	4234784	4.88E-02	8.28E-03	3.94E-02	6.46E-03	4.82E-03
800	563269.7	4234775	4.80E-02	8.14E-03	3.87E-02	6.35E-03	4.74E-03
801	563269.9	4234766	4.70E-02	7.97E-03	3.79E-02	6.21E-03	4.64E-03
802	563270.1	4234756	4.58E-02	7.78E-03	3.70E-02	6.06E-03	4.53E-03
803	563270.2	4234747	4.46E-02	7.56E-03	3.60E-02	5.90E-03	4.40E-03
804	563270.4	4234738	4.31E-02	7.32E-03	3.48E-02	5.71E-03	4.26E-03
805	563270.6	4234728	4.15E-02	7.05E-03	3.35E-02	5.49E-03	4.10E-03
806	563279.2	4234803	4.18E-02	7.10E-03	3.38E-02	5.53E-03	4.13E-03
807	563279.4	4234794	4.11E-02	6.97E-03	3.32E-02	5.43E-03	4.06E-03
808	563279.5	4234784	4.02E-02	6.83E-03	3.25E-02	5.32E-03	3.98E-03
809	563279.7	4234775	3.95E-02	6.70E-03	3.19E-02	5.22E-03	3.90E-03
810	563279.9	4234766	3.86E-02	6.55E-03	3.12E-02	5.11E-03	3.81E-03
811	563280.1	4234756	3.76E-02	6.38E-03	3.04E-02	4.97E-03	3.71E-03
812	563280.2	4234747	3.65E-02	6.19E-03	2.95E-02	4.83E-03	3.60E-03
813	563280.4	4234738	3.53E-02	5.99E-03	2.85E-02	4.67E-03	3.48E-03
814	563280.6	4234728	3.40E-02	5.76E-03	2.74E-02	4.49E-03	3.35E-03
815	563289.2	4234803	3.52E-02	5.98E-03	2.84E-02	4.66E-03	3.48E-03
816	563289.4	4234794	3.46E-02	5.87E-03	2.79E-02	4.58E-03	3.42E-03
817	563289.5	4234785	3.39E-02	5.75E-03	2.74E-02	4.48E-03	3.35E-03
818	563289.7	4234775	3.32E-02	5.63E-03	2.68E-02	4.39E-03	3.28E-03
819	563289.9	4234766	3.24E-02	5.50E-03	2.62E-02	4.29E-03	3.20E-03
820	563290.1	4234757	3.15E-02	5.35E-03	2.55E-02	4.17E-03	3.11E-03
821	563290.2	4234747	3.06E-02	5.19E-03	2.47E-02	4.04E-03	3.02E-03
822	563290.4	4234738	2.96E-02	5.01E-03	2.39E-02	3.91E-03	2.92E-03
823	563290.6	4234729	2.85E-02	4.83E-03	2.30E-02	3.77E-03	2.81E-03
824	563299.2	4234803	3.01E-02	5.10E-03	2.43E-02	3.98E-03	2.97E-03
825	563299.4	4234794	2.96E-02	5.02E-03	2.39E-02	3.91E-03	2.92E-03
826	563299.5	4234785	2.90E-02	4.92E-03	2.34E-02	3.84E-03	2.87E-03

827	563299.7	4234775	2.84E-02	4.82E-03	2.29E-02	3.75E-03	2.80E-03
828	563299.9	4234766	2.77E-02	4.70E-03	2.24E-02	3.66E-03	2.73E-03
829	563300.1	4234757	2.69E-02	4.57E-03	2.17E-02	3.56E-03	2.66E-03
830	563300.2	4234747	2.61E-02	4.43E-03	2.11E-02	3.45E-03	2.58E-03
831	563300.4	4234738	2.53E-02	4.29E-03	2.04E-02	3.34E-03	2.49E-03
832	563300.6	4234729	2.44E-02	4.14E-03	1.97E-02	3.22E-03	2.41E-03
833	563309	4234813	2.64E-02	4.48E-03	2.13E-02	3.49E-03	2.61E-03
834	563309.2	4234804	2.60E-02	4.41E-03	2.10E-02	3.44E-03	2.57E-03
835	563309.4	4234794	2.56E-02	4.34E-03	2.06E-02	3.38E-03	2.52E-03
836	563309.5	4234785	2.50E-02	4.25E-03	2.02E-02	3.31E-03	2.47E-03
837	563309.7	4234776	2.45E-02	4.16E-03	1.98E-02	3.24E-03	2.42E-03
838	563309.9	4234766	2.39E-02	4.05E-03	1.93E-02	3.16E-03	2.36E-03
839	563310.1	4234757	2.32E-02	3.94E-03	1.88E-02	3.07E-03	2.29E-03
840	563310.2	4234748	2.25E-02	3.83E-03	1.82E-02	2.98E-03	2.23E-03
841	563310.4	4234738	2.18E-02	3.70E-03	1.76E-02	2.89E-03	2.16E-03
842	563310.6	4234729	2.11E-02	3.58E-03	1.70E-02	2.79E-03	2.08E-03
843	563319	4234813	2.31E-02	3.92E-03	1.87E-02	3.06E-03	2.28E-03
844	563319.2	4234804	2.28E-02	3.86E-03	1.84E-02	3.01E-03	2.25E-03
845	563319.4	4234794	2.23E-02	3.79E-03	1.80E-02	2.95E-03	2.20E-03
846	563319.5	4234785	2.18E-02	3.70E-03	1.76E-02	2.89E-03	2.16E-03
847	563319.7	4234776	2.14E-02	3.62E-03	1.72E-02	2.82E-03	2.11E-03
848	563319.9	4234766	2.08E-02	3.53E-03	1.68E-02	2.75E-03	2.06E-03
849	563320.1	4234757	2.03E-02	3.44E-03	1.64E-02	2.68E-03	2.00E-03
850	563320.2	4234748	1.97E-02	3.34E-03	1.59E-02	2.60E-03	1.94E-03
851	563320.4	4234738	1.91E-02	3.24E-03	1.54E-02	2.52E-03	1.89E-03
852	563320.6	4234729	1.85E-02	3.14E-03	1.49E-02	2.44E-03	1.83E-03
853	563329	4234813	2.04E-02	3.47E-03	1.65E-02	2.70E-03	2.02E-03
854	563329.2	4234804	2.01E-02	3.41E-03	1.62E-02	2.65E-03	1.98E-03
855	563329.4	4234795	1.97E-02	3.34E-03	1.59E-02	2.60E-03	1.94E-03
856	563329.5	4234785	1.92E-02	3.26E-03	1.55E-02	2.54E-03	1.90E-03
857	563329.7	4234776	1.88E-02	3.19E-03	1.52E-02	2.49E-03	1.86E-03
858	563329.9	4234767	1.84E-02	3.12E-03	1.48E-02	2.43E-03	1.81E-03
859	563330	4234757	1.79E-02	3.04E-03	1.45E-02	2.37E-03	1.77E-03
860	563330.2	4234748	1.74E-02	2.95E-03	1.41E-02	2.30E-03	1.72E-03
861	563330.4	4234739	1.69E-02	2.87E-03	1.37E-02	2.24E-03	1.67E-03
862	563330.6	4234729	1.64E-02	2.78E-03	1.32E-02	2.17E-03	1.62E-03
863	563349.2	4234804	1.62E-02	2.74E-03	1.30E-02	2.14E-03	1.60E-03
864	563349.4	4234795	1.59E-02	2.69E-03	1.28E-02	2.10E-03	1.57E-03
865	563349.5	4234786	1.56E-02	2.64E-03	1.26E-02	2.06E-03	1.54E-03
866	563349.7	4234776	1.53E-02	2.59E-03	1.23E-02	2.02E-03	1.51E-03
867	563349.9	4234767	1.49E-02	2.53E-03	1.20E-02	1.97E-03	1.47E-03
868	563350	4234758	1.45E-02	2.46E-03	1.17E-02	1.92E-03	1.43E-03
869	563350.2	4234748	1.42E-02	2.40E-03	1.14E-02	1.87E-03	1.40E-03
870	563350.4	4234739	1.38E-02	2.34E-03	1.11E-02	1.83E-03	1.36E-03
871	563350.6	4234730	1.34E-02	2.28E-03	1.09E-02	1.78E-03	1.33E-03
872	563369	4234814	1.35E-02	2.29E-03	1.09E-02	1.78E-03	1.33E-03
873	563369.2	4234805	1.34E-02	2.27E-03	1.08E-02	1.77E-03	1.32E-03
874	563369.4	4234795	1.32E-02	2.24E-03	1.07E-02	1.75E-03	1.31E-03
875	563369.5	4234786	1.31E-02	2.22E-03	1.05E-02	1.73E-03	1.29E-03
876	563369.7	4234777	1.28E-02	2.17E-03	1.03E-02	1.69E-03	1.26E-03
877	563369.9	4234767	1.25E-02	2.11E-03	1.01E-02	1.65E-03	1.23E-03
878	563370	4234758	1.21E-02	2.06E-03	9.81E-03	1.61E-03	1.20E-03

879	563370.2	4234749	1.19E-02	2.02E-03	9.60E-03	1.57E-03	1.17E-03
880	563370.4	4234739	1.16E-02	1.97E-03	9.39E-03	1.54E-03	1.15E-03
881	563370.6	4234730	1.14E-02	1.93E-03	9.18E-03	1.50E-03	1.12E-03
882	563389.2	4234805	1.12E-02	1.91E-03	9.08E-03	1.49E-03	1.11E-03
883	563389.4	4234796	1.12E-02	1.89E-03	9.01E-03	1.48E-03	1.10E-03
884	563389.5	4234786	1.11E-02	1.88E-03	8.93E-03	1.46E-03	1.09E-03
885	563389.7	4234777	1.08E-02	1.84E-03	8.76E-03	1.43E-03	1.07E-03
886	563389.9	4234768	1.06E-02	1.80E-03	8.57E-03	1.40E-03	1.05E-03
887	563390	4234758	1.04E-02	1.76E-03	8.38E-03	1.37E-03	1.03E-03
888	563390.2	4234749	1.02E-02	1.73E-03	8.23E-03	1.35E-03	1.01E-03
889	563390.4	4234740	1.00E-02	1.70E-03	8.08E-03	1.32E-03	9.88E-04
890	563390.5	4234730	9.82E-03	1.67E-03	7.93E-03	1.30E-03	9.69E-04
891	563409	4234815	9.65E-03	1.64E-03	7.79E-03	1.28E-03	9.53E-04
892	563409.2	4234805	9.58E-03	1.62E-03	7.73E-03	1.27E-03	9.46E-04
893	563409.4	4234796	9.49E-03	1.61E-03	7.66E-03	1.26E-03	9.37E-04
894	563409.5	4234787	9.39E-03	1.59E-03	7.58E-03	1.24E-03	9.27E-04
895	563409.7	4234777	9.28E-03	1.57E-03	7.49E-03	1.23E-03	9.16E-04
896	563409.9	4234768	9.15E-03	1.55E-03	7.39E-03	1.21E-03	9.04E-04
897	563410	4234759	9.01E-03	1.53E-03	7.27E-03	1.19E-03	8.90E-04
898	563410.2	4234749	8.88E-03	1.51E-03	7.17E-03	1.17E-03	8.77E-04
899	563410.4	4234740	8.74E-03	1.48E-03	7.06E-03	1.16E-03	8.64E-04
900	563410.5	4234731	8.61E-03	1.46E-03	6.95E-03	1.14E-03	8.50E-04
901	563429.2	4234806	8.29E-03	1.41E-03	6.69E-03	1.10E-03	8.18E-04
902	563429.4	4234796	8.20E-03	1.39E-03	6.62E-03	1.08E-03	8.10E-04
903	563429.5	4234787	8.11E-03	1.38E-03	6.55E-03	1.07E-03	8.01E-04
904	563429.7	4234778	8.05E-03	1.37E-03	6.50E-03	1.06E-03	7.95E-04
905	563429.9	4234768	7.99E-03	1.36E-03	6.45E-03	1.06E-03	7.89E-04
906	563430	4234759	7.91E-03	1.34E-03	6.39E-03	1.05E-03	7.82E-04
907	563430.2	4234750	7.83E-03	1.33E-03	6.32E-03	1.04E-03	7.73E-04
908	563430.4	4234740	7.73E-03	1.31E-03	6.24E-03	1.02E-03	7.64E-04
909	563430.5	4234731	7.63E-03	1.30E-03	6.16E-03	1.01E-03	7.54E-04
910	563449.2	4234806	7.29E-03	1.24E-03	5.89E-03	9.64E-04	7.20E-04
911	563449.3	4234797	7.23E-03	1.23E-03	5.84E-03	9.56E-04	7.14E-04
912	563449.5	4234787	7.16E-03	1.21E-03	5.78E-03	9.46E-04	7.07E-04
913	563449.7	4234778	7.12E-03	1.21E-03	5.75E-03	9.42E-04	7.03E-04
914	563449.9	4234769	7.08E-03	1.20E-03	5.71E-03	9.36E-04	6.99E-04
915	563450	4234759	7.03E-03	1.19E-03	5.67E-03	9.29E-04	6.94E-04
916	563450.2	4234750	6.97E-03	1.18E-03	5.63E-03	9.21E-04	6.88E-04
917	563450.4	4234741	6.90E-03	1.17E-03	5.57E-03	9.13E-04	6.82E-04
918	563450.5	4234731	6.84E-03	1.16E-03	5.52E-03	9.04E-04	6.75E-04
919	563469.3	4234797	6.53E-03	1.11E-03	5.27E-03	8.63E-04	6.45E-04
920	563469.5	4234788	6.46E-03	1.10E-03	5.22E-03	8.55E-04	6.38E-04
921	563469.7	4234778	6.44E-03	1.09E-03	5.20E-03	8.52E-04	6.36E-04
922	563469.9	4234769	6.42E-03	1.09E-03	5.18E-03	8.49E-04	6.34E-04
923	563470	4234760	6.39E-03	1.08E-03	5.16E-03	8.45E-04	6.31E-04
924	563470.2	4234750	6.33E-03	1.07E-03	5.11E-03	8.38E-04	6.25E-04
925	563470.4	4234741	6.26E-03	1.06E-03	5.05E-03	8.28E-04	6.18E-04
926	563470.5	4234732	6.18E-03	1.05E-03	4.99E-03	8.18E-04	6.11E-04
927	563489.5	4234788	5.93E-03	1.01E-03	4.79E-03	7.84E-04	5.86E-04
928	563489.7	4234779	5.90E-03	1.00E-03	4.77E-03	7.81E-04	5.83E-04
929	563489.9	4234770	5.88E-03	9.98E-04	4.75E-03	7.78E-04	5.81E-04
930	563490	4234760	5.85E-03	9.93E-04	4.73E-03	7.74E-04	5.78E-04

931	563490.2	4234751	5.80E-03	9.84E-04	4.68E-03	7.67E-04	5.73E-04
932	563490.4	4234742	5.73E-03	9.73E-04	4.63E-03	7.58E-04	5.66E-04
933	563490.5	4234732	5.66E-03	9.61E-04	4.57E-03	7.49E-04	5.59E-04
934	563509.7	4234779	5.44E-03	9.24E-04	4.39E-03	7.20E-04	5.38E-04
935	563509.8	4234770	5.39E-03	9.14E-04	4.35E-03	7.12E-04	5.32E-04
936	563510	4234761	5.33E-03	9.04E-04	4.30E-03	7.04E-04	5.26E-04
937	563510.2	4234751	5.29E-03	8.98E-04	4.27E-03	7.00E-04	5.23E-04
938	563510.4	4234742	5.28E-03	8.96E-04	4.26E-03	6.98E-04	5.22E-04
939	563510.5	4234733	5.27E-03	8.94E-04	4.25E-03	6.97E-04	5.20E-04
940	563529.2	4234808	4.99E-03	8.47E-04	4.03E-03	6.60E-04	4.93E-04
941	563529.3	4234798	5.00E-03	8.49E-04	4.04E-03	6.62E-04	4.94E-04
942	563529.5	4234789	5.01E-03	8.51E-04	4.05E-03	6.63E-04	4.95E-04
943	563529.7	4234780	4.97E-03	8.43E-04	4.01E-03	6.57E-04	4.91E-04
944	563529.8	4234770	4.91E-03	8.34E-04	3.97E-03	6.50E-04	4.85E-04
945	563530	4234761	4.86E-03	8.25E-04	3.92E-03	6.43E-04	4.80E-04
946	563530.2	4234752	4.84E-03	8.21E-04	3.90E-03	6.39E-04	4.78E-04
947	563530.4	4234742	4.84E-03	8.21E-04	3.91E-03	6.40E-04	4.78E-04
948	563530.5	4234733	4.85E-03	8.22E-04	3.91E-03	6.41E-04	4.79E-04
949	563569.2	4234808	4.17E-03	7.07E-04	3.36E-03	5.51E-04	4.12E-04
950	563569.3	4234799	4.18E-03	7.09E-04	3.37E-03	5.52E-04	4.13E-04
951	563569.5	4234790	4.19E-03	7.11E-04	3.38E-03	5.54E-04	4.14E-04
952	563569.7	4234780	4.19E-03	7.12E-04	3.39E-03	5.55E-04	4.14E-04
953	563569.8	4234771	4.20E-03	7.12E-04	3.39E-03	5.55E-04	4.15E-04
954	563570	4234762	4.21E-03	7.14E-04	3.40E-03	5.57E-04	4.16E-04
955	563570.5	4234734	4.26E-03	7.24E-04	3.44E-03	5.64E-04	4.21E-04
956	563609.3	4234800	3.63E-03	6.17E-04	2.93E-03	4.81E-04	3.59E-04
957	563609.5	4234790	3.60E-03	6.11E-04	2.91E-03	4.76E-04	3.56E-04
958	563609.7	4234781	3.60E-03	6.11E-04	2.91E-03	4.76E-04	3.55E-04
959	563609.8	4234772	3.62E-03	6.14E-04	2.92E-03	4.78E-04	3.57E-04
960	563610	4234762	3.64E-03	6.17E-04	2.94E-03	4.81E-04	3.59E-04
961	563610.2	4234753	3.66E-03	6.21E-04	2.96E-03	4.84E-04	3.62E-04
962	563649.1	4234810	3.11E-03	5.28E-04	2.51E-03	4.12E-04	3.07E-04
963	563649.3	4234800	3.12E-03	5.30E-04	2.52E-03	4.13E-04	3.08E-04
964	563649.5	4234791	3.14E-03	5.32E-04	2.53E-03	4.15E-04	3.10E-04
965	563649.7	4234782	3.15E-03	5.34E-04	2.54E-03	4.17E-04	3.11E-04
966	563649.8	4234772	3.17E-03	5.37E-04	2.56E-03	4.19E-04	3.13E-04
967	563650	4234763	3.18E-03	5.40E-04	2.57E-03	4.21E-04	3.14E-04
968	563650.2	4234754	3.20E-03	5.44E-04	2.59E-03	4.24E-04	3.16E-04
969	563689.3	4234801	2.70E-03	4.57E-04	2.18E-03	3.56E-04	2.66E-04
970	563689.5	4234792	2.71E-03	4.60E-04	2.19E-03	3.59E-04	2.68E-04
971	563689.6	4234783	2.73E-03	4.63E-04	2.20E-03	3.61E-04	2.69E-04
972	563689.8	4234773	2.74E-03	4.65E-04	2.21E-03	3.62E-04	2.71E-04
973	563690	4234764	2.75E-03	4.67E-04	2.22E-03	3.64E-04	2.72E-04
974	563729.5	4234793	2.35E-03	3.98E-04	1.90E-03	3.11E-04	2.32E-04
975	563729.6	4234783	2.37E-03	4.02E-04	1.91E-03	3.13E-04	2.34E-04
976	563729.8	4234774	2.38E-03	4.03E-04	1.92E-03	3.14E-04	2.35E-04
977	563809.8	4234775	1.85E-03	3.14E-04	1.50E-03	2.45E-04	1.83E-04
978	563929.3	4234806	1.16E-03	1.97E-04	9.38E-04	1.54E-04	1.15E-04
979	563929.8	4234778	1.26E-03	2.13E-04	1.01E-03	1.66E-04	1.24E-04
980	563929.9	4234768	1.28E-03	2.17E-04	1.03E-03	1.69E-04	1.26E-04
981	563930.1	4234759	1.30E-03	2.21E-04	1.05E-03	1.72E-04	1.29E-04
982	563930.3	4234750	1.34E-03	2.27E-04	1.08E-03	1.77E-04	1.32E-04

983	563251.1	4234713	6.34E-02	1.08E-02	5.12E-02	8.39E-03	6.26E-03
984	563251.7	4234698	5.70E-02	9.68E-03	4.61E-02	7.54E-03	5.63E-03
985	563261.1	4234713	4.85E-02	8.22E-03	3.91E-02	6.41E-03	4.79E-03
986	563261.7	4234698	4.38E-02	7.44E-03	3.54E-02	5.80E-03	4.33E-03
987	563271.1	4234714	3.85E-02	6.54E-03	3.11E-02	5.10E-03	3.81E-03
988	563271.7	4234698	3.52E-02	5.97E-03	2.84E-02	4.65E-03	3.47E-03
989	563281.1	4234714	3.16E-02	5.35E-03	2.55E-02	4.17E-03	3.12E-03
990	563281.7	4234699	2.89E-02	4.91E-03	2.34E-02	3.83E-03	2.86E-03
991	563291.1	4234714	2.65E-02	4.50E-03	2.14E-02	3.50E-03	2.62E-03
992	563291.7	4234699	2.44E-02	4.14E-03	1.97E-02	3.23E-03	2.41E-03
993	563301.1	4234715	2.27E-02	3.86E-03	1.84E-02	3.01E-03	2.24E-03
994	563301.7	4234699	2.10E-02	3.56E-03	1.70E-02	2.78E-03	2.07E-03
995	563311.1	4234715	1.98E-02	3.36E-03	1.60E-02	2.62E-03	1.96E-03
996	563311.7	4234700	1.85E-02	3.13E-03	1.49E-02	2.44E-03	1.82E-03
997	563321.1	4234715	1.75E-02	2.97E-03	1.41E-02	2.31E-03	1.73E-03
998	563321.7	4234700	1.64E-02	2.79E-03	1.33E-02	2.17E-03	1.62E-03
999	563331.1	4234716	1.56E-02	2.65E-03	1.26E-02	2.07E-03	1.54E-03
1000	563331.7	4234701	1.48E-02	2.51E-03	1.19E-02	1.96E-03	1.46E-03
1001	563351.1	4234717	1.29E-02	2.19E-03	1.04E-02	1.71E-03	1.28E-03
1002	563351.6	4234701	1.23E-02	2.09E-03	9.96E-03	1.63E-03	1.22E-03
1003	563371.1	4234717	1.10E-02	1.86E-03	8.86E-03	1.45E-03	1.08E-03
1004	563371.6	4234702	1.05E-02	1.78E-03	8.49E-03	1.39E-03	1.04E-03
1005	563391	4234718	9.49E-03	1.61E-03	7.66E-03	1.25E-03	9.37E-04
1006	563391.6	4234703	9.07E-03	1.54E-03	7.32E-03	1.20E-03	8.96E-04
1007	563411	4234719	8.39E-03	1.42E-03	6.78E-03	1.11E-03	8.29E-04
1008	563411.6	4234704	8.11E-03	1.38E-03	6.55E-03	1.07E-03	8.01E-04
1009	563431	4234720	7.50E-03	1.27E-03	6.06E-03	9.92E-04	7.41E-04
1010	563431.6	4234704	7.33E-03	1.24E-03	5.91E-03	9.69E-04	7.23E-04
1011	563451	4234720	6.74E-03	1.14E-03	5.45E-03	8.92E-04	6.66E-04
1012	563451.6	4234705	6.62E-03	1.12E-03	5.34E-03	8.75E-04	6.54E-04
1013	563471	4234721	6.11E-03	1.04E-03	4.93E-03	8.08E-04	6.03E-04
1014	563471.6	4234706	6.02E-03	1.02E-03	4.86E-03	7.96E-04	5.95E-04
1015	563491	4234722	5.60E-03	9.51E-04	4.53E-03	7.41E-04	5.54E-04
1016	563491.5	4234707	5.56E-03	9.43E-04	4.49E-03	7.35E-04	5.49E-04
1017	563511	4234723	5.25E-03	8.91E-04	4.24E-03	6.95E-04	5.19E-04
1018	563511.5	4234707	5.23E-03	8.88E-04	4.23E-03	6.92E-04	5.17E-04
1019	563530.9	4234723	4.84E-03	8.22E-04	3.91E-03	6.41E-04	4.78E-04
1020	563531.5	4234708	4.84E-03	8.21E-04	3.91E-03	6.40E-04	4.78E-04
1021	563571.2	4234717	4.30E-03	7.29E-04	3.47E-03	5.69E-04	4.25E-04
1022	563611.2	4234719	3.79E-03	6.43E-04	3.06E-03	5.01E-04	3.74E-04
1023	563690.3	4234745	2.79E-03	4.74E-04	2.26E-03	3.70E-04	2.76E-04
1024	563251.7	4234682	5.02E-02	8.52E-03	4.05E-02	6.64E-03	4.96E-03
1025	563261.7	4234682	3.90E-02	6.62E-03	3.15E-02	5.16E-03	3.85E-03
1026	563271.7	4234689	3.32E-02	5.64E-03	2.68E-02	4.39E-03	3.28E-03
1027	563281.7	4234689	2.75E-02	4.66E-03	2.22E-02	3.63E-03	2.71E-03
1028	563291.7	4234689	2.33E-02	3.95E-03	1.88E-02	3.08E-03	2.30E-03
1029	563301.7	4234689	2.01E-02	3.42E-03	1.63E-02	2.66E-03	1.99E-03
1030	563311.7	4234689	1.77E-02	3.01E-03	1.43E-02	2.35E-03	1.75E-03
1031	563321.7	4234689	1.59E-02	2.69E-03	1.28E-02	2.10E-03	1.57E-03
1032	563331.7	4234689	1.43E-02	2.43E-03	1.16E-02	1.89E-03	1.41E-03
1033	563351.7	4234689	1.19E-02	2.02E-03	9.62E-03	1.58E-03	1.18E-03
1034	563371.7	4234689	1.02E-02	1.72E-03	8.20E-03	1.34E-03	1.00E-03

1035	563391.7	4234689	8.79E-03	1.49E-03	7.09E-03	1.16E-03	8.68E-04
1036	563411.7	4234689	7.86E-03	1.33E-03	6.35E-03	1.04E-03	7.77E-04
1037	563431.7	4234689	7.13E-03	1.21E-03	5.76E-03	9.43E-04	7.04E-04
1038	563451.7	4234689	6.50E-03	1.10E-03	5.24E-03	8.59E-04	6.42E-04
1039	563471.7	4234697	5.97E-03	1.01E-03	4.82E-03	7.90E-04	5.90E-04
1040	563471.7	4234682	5.89E-03	9.99E-04	4.75E-03	7.78E-04	5.81E-04
1041	563491.7	4234697	5.52E-03	9.37E-04	4.46E-03	7.30E-04	5.45E-04
1042	563491.7	4234682	5.44E-03	9.23E-04	4.39E-03	7.19E-04	5.37E-04
1043	563511.7	4234697	5.22E-03	8.85E-04	4.21E-03	6.90E-04	5.15E-04
1044	563511.7	4234682	5.09E-03	8.64E-04	4.11E-03	6.73E-04	5.03E-04
1045	563531.7	4234697	4.83E-03	8.20E-04	3.90E-03	6.39E-04	4.77E-04
1046	563531.7	4234682	4.78E-03	8.11E-04	3.86E-03	6.32E-04	4.72E-04
1047	563571.6	4234703	4.32E-03	7.34E-04	3.49E-03	5.72E-04	4.27E-04
1048	563571.7	4234689	4.34E-03	7.36E-04	3.50E-03	5.74E-04	4.29E-04
1049	563611.6	4234704	3.84E-03	6.52E-04	3.10E-03	5.08E-04	3.79E-04
1050	563611.7	4234689	3.87E-03	6.57E-04	3.12E-03	5.12E-04	3.82E-04
1051	563651.6	4234702	3.35E-03	5.68E-04	2.70E-03	4.42E-04	3.30E-04
1052	563651.7	4234689	3.38E-03	5.73E-04	2.73E-03	4.47E-04	3.34E-04
1053	563691.7	4234697	2.93E-03	4.98E-04	2.37E-03	3.88E-04	2.90E-04
1054	563691.7	4234682	2.98E-03	5.05E-04	2.40E-03	3.94E-04	2.94E-04
1055	563731.7	4234689	2.59E-03	4.39E-04	2.09E-03	3.42E-04	2.56E-04
1056	563811.7	4234697	2.08E-03	3.53E-04	1.68E-03	2.75E-04	2.06E-04
1057	563261.7	4234671	3.59E-02	6.09E-03	2.90E-02	4.75E-03	3.55E-03
1058	563271.7	4234676	3.05E-02	5.18E-03	2.46E-02	4.03E-03	3.01E-03
1059	563281.7	4234676	2.56E-02	4.35E-03	2.07E-02	3.39E-03	2.53E-03
1060	563291.7	4234676	2.20E-02	3.73E-03	1.78E-02	2.91E-03	2.17E-03
1061	563301.7	4234676	1.92E-02	3.26E-03	1.55E-02	2.54E-03	1.89E-03
1062	563311.7	4234676	1.70E-02	2.88E-03	1.37E-02	2.25E-03	1.68E-03
1063	563321.7	4234676	1.52E-02	2.59E-03	1.23E-02	2.02E-03	1.51E-03
1064	563331.7	4234676	1.38E-02	2.34E-03	1.11E-02	1.82E-03	1.36E-03
1065	563351.7	4234676	1.15E-02	1.95E-03	9.27E-03	1.52E-03	1.13E-03
1066	563371.7	4234676	9.80E-03	1.66E-03	7.91E-03	1.30E-03	9.68E-04
1067	563391.7	4234676	8.55E-03	1.45E-03	6.91E-03	1.13E-03	8.45E-04
1068	563411.7	4234676	7.64E-03	1.30E-03	6.17E-03	1.01E-03	7.54E-04
1069	563431.7	4234676	6.93E-03	1.18E-03	5.59E-03	9.16E-04	6.84E-04
1070	563451.7	4234676	6.38E-03	1.08E-03	5.15E-03	8.44E-04	6.30E-04
1071	563471.7	4234671	5.81E-03	9.85E-04	4.69E-03	7.68E-04	5.74E-04
1072	563491.7	4234671	5.36E-03	9.10E-04	4.33E-03	7.09E-04	5.29E-04
1073	563511.7	4234671	4.98E-03	8.45E-04	4.02E-03	6.59E-04	4.92E-04
1074	563531.7	4234671	4.72E-03	8.01E-04	3.81E-03	6.25E-04	4.66E-04
1075	563571.7	4234676	4.34E-03	7.37E-04	3.51E-03	5.74E-04	4.29E-04
1076	563611.7	4234676	3.89E-03	6.60E-04	3.14E-03	5.15E-04	3.84E-04
1077	563651.7	4234676	3.41E-03	5.78E-04	2.75E-03	4.51E-04	3.37E-04
1078	563261.5	4234655	3.26E-02	5.53E-03	2.63E-02	4.31E-03	3.22E-03
1079	563271.6	4234662	2.82E-02	4.78E-03	2.28E-02	3.73E-03	2.78E-03
1080	563281.6	4234662	2.40E-02	4.07E-03	1.94E-02	3.17E-03	2.37E-03
1081	563291.6	4234662	2.08E-02	3.53E-03	1.68E-02	2.75E-03	2.05E-03
1082	563301.6	4234662	1.83E-02	3.10E-03	1.48E-02	2.42E-03	1.81E-03
1083	563311.6	4234662	1.63E-02	2.76E-03	1.31E-02	2.15E-03	1.61E-03
1084	563321.6	4234662	1.46E-02	2.48E-03	1.18E-02	1.94E-03	1.45E-03
1085	563331.6	4234662	1.33E-02	2.25E-03	1.07E-02	1.76E-03	1.31E-03
1086	563351.6	4234661	1.10E-02	1.87E-03	8.91E-03	1.46E-03	1.09E-03

1087	563371.6	4234661	9.43E-03	1.60E-03	7.62E-03	1.25E-03	9.32E-04
1088	563391.6	4234661	8.28E-03	1.41E-03	6.69E-03	1.10E-03	8.18E-04
1089	563411.6	4234661	7.38E-03	1.25E-03	5.96E-03	9.76E-04	7.29E-04
1090	563278.4	4234603	2.05E-02	3.47E-03	1.65E-02	2.70E-03	2.02E-03
1091	563291.5	4234605	1.74E-02	2.94E-03	1.40E-02	2.30E-03	1.71E-03
1092	563285.6	4234596	1.83E-02	3.10E-03	1.48E-02	2.42E-03	1.81E-03
1093	563298.8	4234598	1.56E-02	2.66E-03	1.26E-02	2.07E-03	1.55E-03
1094	563302.9	4234608	1.53E-02	2.60E-03	1.24E-02	2.02E-03	1.51E-03
1095	563292.9	4234589	1.65E-02	2.79E-03	1.33E-02	2.18E-03	1.63E-03
1096	563305.9	4234591	1.42E-02	2.41E-03	1.15E-02	1.88E-03	1.40E-03
1097	563309.8	4234601	1.38E-02	2.35E-03	1.12E-02	1.83E-03	1.37E-03
1098	563300.1	4234582	1.49E-02	2.53E-03	1.21E-02	1.97E-03	1.47E-03
1099	563320.5	4234577	1.17E-02	1.99E-03	9.48E-03	1.55E-03	1.16E-03
1100	563324.6	4234588	1.15E-02	1.94E-03	9.25E-03	1.51E-03	1.13E-03
1101	563328.8	4234598	1.12E-02	1.91E-03	9.07E-03	1.49E-03	1.11E-03
1102	563332.9	4234608	1.11E-02	1.88E-03	8.96E-03	1.47E-03	1.10E-03
1103	563314.6	4234568	1.23E-02	2.08E-03	9.92E-03	1.62E-03	1.21E-03
1104	563334.9	4234563	9.85E-03	1.67E-03	7.95E-03	1.30E-03	9.72E-04
1105	563339	4234573	9.67E-03	1.64E-03	7.80E-03	1.28E-03	9.55E-04
1106	563343.1	4234583	9.50E-03	1.61E-03	7.67E-03	1.26E-03	9.38E-04
1107	563347.1	4234593	9.38E-03	1.59E-03	7.57E-03	1.24E-03	9.26E-04
1108	563351.2	4234603	9.30E-03	1.58E-03	7.51E-03	1.23E-03	9.18E-04
1109	563329.1	4234554	1.03E-02	1.74E-03	8.30E-03	1.36E-03	1.02E-03
1110	563349.4	4234550	8.45E-03	1.43E-03	6.82E-03	1.12E-03	8.34E-04
1111	563353.4	4234559	8.28E-03	1.40E-03	6.68E-03	1.09E-03	8.18E-04
1112	563357.4	4234569	8.15E-03	1.38E-03	6.58E-03	1.08E-03	8.04E-04
1113	563361.4	4234579	8.05E-03	1.37E-03	6.50E-03	1.06E-03	7.95E-04
1114	563365.4	4234589	7.99E-03	1.36E-03	6.45E-03	1.06E-03	7.89E-04
1115	563369.4	4234599	7.97E-03	1.35E-03	6.43E-03	1.05E-03	7.87E-04
1116	563373.5	4234609	7.98E-03	1.35E-03	6.44E-03	1.05E-03	7.88E-04
1117	563343.5	4234541	8.82E-03	1.50E-03	7.12E-03	1.17E-03	8.71E-04
1118	563363.9	4234536	7.38E-03	1.25E-03	5.96E-03	9.76E-04	7.29E-04
1119	563368.1	4234546	7.21E-03	1.22E-03	5.82E-03	9.54E-04	7.12E-04
1120	563372.2	4234556	7.09E-03	1.20E-03	5.73E-03	9.38E-04	7.00E-04
1121	563376.3	4234566	7.01E-03	1.19E-03	5.66E-03	9.27E-04	6.92E-04
1122	563380.5	4234577	6.97E-03	1.18E-03	5.63E-03	9.22E-04	6.88E-04
1123	563384.6	4234587	6.96E-03	1.18E-03	5.62E-03	9.20E-04	6.87E-04
1124	563388.8	4234597	6.97E-03	1.18E-03	5.63E-03	9.22E-04	6.89E-04
1125	563392.9	4234607	7.01E-03	1.19E-03	5.66E-03	9.27E-04	6.92E-04
1126	563358	4234527	7.70E-03	1.31E-03	6.22E-03	1.02E-03	7.61E-04
1127	563378.4	4234522	6.55E-03	1.11E-03	5.29E-03	8.67E-04	6.47E-04
1128	563382.5	4234532	6.39E-03	1.08E-03	5.16E-03	8.46E-04	6.31E-04
1129	563386.6	4234542	6.27E-03	1.06E-03	5.06E-03	8.29E-04	6.19E-04
1130	563390.6	4234552	6.18E-03	1.05E-03	4.99E-03	8.18E-04	6.11E-04
1131	563394.7	4234562	6.14E-03	1.04E-03	4.96E-03	8.12E-04	6.07E-04
1132	563398.8	4234572	6.13E-03	1.04E-03	4.95E-03	8.11E-04	6.06E-04
1133	563402.9	4234582	6.15E-03	1.04E-03	4.97E-03	8.14E-04	6.08E-04
1134	563407	4234592	6.20E-03	1.05E-03	5.01E-03	8.20E-04	6.13E-04
1135	563411.1	4234602	6.28E-03	1.07E-03	5.07E-03	8.30E-04	6.20E-04
1136	563415.2	4234612	6.37E-03	1.08E-03	5.14E-03	8.42E-04	6.29E-04
1137	563372.5	4234513	6.83E-03	1.16E-03	5.52E-03	9.04E-04	6.75E-04
1138	563392.9	4234508	5.90E-03	1.00E-03	4.77E-03	7.81E-04	5.83E-04

1139	563397.1	4234519	5.76E-03	9.77E-04	4.65E-03	7.61E-04	5.69E-04
1140	563401.3	4234529	5.62E-03	9.54E-04	4.54E-03	7.44E-04	5.55E-04
1141	563405.5	4234539	5.54E-03	9.40E-04	4.47E-03	7.32E-04	5.47E-04
1142	563409.7	4234550	5.50E-03	9.33E-04	4.44E-03	7.27E-04	5.43E-04
1143	563413.8	4234560	5.48E-03	9.30E-04	4.42E-03	7.25E-04	5.41E-04
1144	563418	4234570	5.48E-03	9.30E-04	4.42E-03	7.25E-04	5.41E-04
1145	563422.2	4234580	5.52E-03	9.36E-04	4.45E-03	7.30E-04	5.45E-04
1146	563426.4	4234591	5.61E-03	9.52E-04	4.53E-03	7.42E-04	5.54E-04
1147	563430.6	4234601	5.71E-03	9.69E-04	4.61E-03	7.55E-04	5.64E-04
1148	563434.8	4234611	5.80E-03	9.84E-04	4.68E-03	7.67E-04	5.73E-04
1149	563387	4234499	6.15E-03	1.04E-03	4.96E-03	8.13E-04	6.07E-04
1150	563407.4	4234495	5.31E-03	9.01E-04	4.29E-03	7.02E-04	5.24E-04
1151	563411.5	4234505	5.18E-03	8.79E-04	4.18E-03	6.85E-04	5.12E-04
1152	563415.6	4234515	5.08E-03	8.62E-04	4.10E-03	6.72E-04	5.02E-04
1153	563419.8	4234525	5.01E-03	8.50E-04	4.04E-03	6.62E-04	4.95E-04
1154	563423.9	4234535	4.98E-03	8.44E-04	4.02E-03	6.58E-04	4.91E-04
1155	563428.1	4234545	4.98E-03	8.46E-04	4.02E-03	6.59E-04	4.92E-04
1156	563432.2	4234556	4.98E-03	8.45E-04	4.02E-03	6.58E-04	4.92E-04
1157	563436.3	4234566	4.99E-03	8.47E-04	4.03E-03	6.60E-04	4.93E-04
1158	563401.5	4234485	5.53E-03	9.39E-04	4.47E-03	7.32E-04	5.46E-04
1159	563421.8	4234481	4.80E-03	8.15E-04	3.88E-03	6.35E-04	4.74E-04
1160	563425.9	4234491	4.69E-03	7.97E-04	3.79E-03	6.21E-04	4.64E-04
1161	563430	4234501	4.63E-03	7.85E-04	3.74E-03	6.12E-04	4.57E-04
1162	563434.1	4234511	4.60E-03	7.81E-04	3.72E-03	6.09E-04	4.55E-04
1163	563438.2	4234521	4.60E-03	7.80E-04	3.71E-03	6.08E-04	4.54E-04
1164	563442.3	4234531	4.59E-03	7.80E-04	3.71E-03	6.08E-04	4.54E-04
1165	563415.9	4234472	5.00E-03	8.49E-04	4.04E-03	6.62E-04	4.94E-04
1166	563436.3	4234467	4.42E-03	7.49E-04	3.57E-03	5.84E-04	4.36E-04
1167	563440.5	4234477	4.32E-03	7.33E-04	3.49E-03	5.71E-04	4.27E-04
1168	563444.7	4234488	4.25E-03	7.22E-04	3.43E-03	5.62E-04	4.20E-04
1169	563486.5	4234590	4.51E-03	7.65E-04	3.64E-03	5.97E-04	4.45E-04
1170	563490.6	4234600	4.56E-03	7.74E-04	3.68E-03	6.03E-04	4.50E-04
1171	563494.8	4234611	4.64E-03	7.86E-04	3.74E-03	6.13E-04	4.58E-04
1172	563499	4234621	4.74E-03	8.04E-04	3.82E-03	6.26E-04	4.68E-04
1173	563430.4	4234458	4.58E-03	7.77E-04	3.70E-03	6.05E-04	4.52E-04
1174	563488.1	4234545	4.28E-03	7.26E-04	3.45E-03	5.66E-04	4.22E-04
1175	563492.2	4234555	4.26E-03	7.23E-04	3.44E-03	5.63E-04	4.21E-04
1176	563496.3	4234565	4.25E-03	7.21E-04	3.43E-03	5.62E-04	4.20E-04
1177	563500.5	4234575	4.26E-03	7.23E-04	3.44E-03	5.63E-04	4.21E-04
1178	563504.6	4234585	4.30E-03	7.30E-04	3.47E-03	5.69E-04	4.25E-04
1179	563508.7	4234595	4.35E-03	7.38E-04	3.51E-03	5.75E-04	4.29E-04
1180	563512.9	4234606	4.39E-03	7.44E-04	3.54E-03	5.80E-04	4.33E-04
1181	563517	4234616	4.46E-03	7.57E-04	3.60E-03	5.90E-04	4.41E-04
1182	563521.2	4234626	4.53E-03	7.69E-04	3.66E-03	5.99E-04	4.48E-04
1183	563444.9	4234444	4.24E-03	7.20E-04	3.43E-03	5.61E-04	4.19E-04
1184	563496.5	4234467	3.30E-03	5.60E-04	2.67E-03	4.37E-04	3.26E-04
1185	563500.6	4234477	3.37E-03	5.73E-04	2.72E-03	4.46E-04	3.33E-04
1186	563504.8	4234487	3.47E-03	5.88E-04	2.80E-03	4.59E-04	3.42E-04
1187	563525.6	4234538	3.76E-03	6.38E-04	3.04E-03	4.98E-04	3.72E-04
1188	563529.8	4234549	3.87E-03	6.56E-04	3.12E-03	5.11E-04	3.82E-04
1189	563534	4234559	3.92E-03	6.66E-04	3.17E-03	5.19E-04	3.88E-04
1190	563538.2	4234569	3.98E-03	6.75E-04	3.21E-03	5.26E-04	3.93E-04

1191	563542.3	4234579	4.02E-03	6.83E-04	3.25E-03	5.32E-04	3.97E-04
1192	563546.5	4234589	4.07E-03	6.91E-04	3.29E-03	5.39E-04	4.02E-04
1193	563550.7	4234600	4.13E-03	7.01E-04	3.33E-03	5.46E-04	4.08E-04
1194	563554.8	4234610	4.20E-03	7.12E-04	3.39E-03	5.55E-04	4.14E-04
1195	563559	4234620	4.25E-03	7.22E-04	3.43E-03	5.62E-04	4.20E-04
1196	563508.7	4234398	3.01E-03	5.11E-04	2.43E-03	3.98E-04	2.97E-04
1197	563512.8	4234408	2.93E-03	4.97E-04	2.37E-03	3.87E-04	2.89E-04
1198	563516.9	4234418	2.87E-03	4.87E-04	2.32E-03	3.80E-04	2.84E-04
1199	563521	4234428	2.83E-03	4.80E-04	2.29E-03	3.74E-04	2.80E-04
1200	563525.2	4234438	2.81E-03	4.76E-04	2.26E-03	3.71E-04	2.77E-04
1201	563529.3	4234448	2.80E-03	4.74E-04	2.26E-03	3.70E-04	2.76E-04
1202	563533.4	4234459	2.81E-03	4.78E-04	2.27E-03	3.72E-04	2.78E-04
1203	563537.5	4234469	2.88E-03	4.89E-04	2.33E-03	3.81E-04	2.84E-04
1204	563541.6	4234479	2.96E-03	5.01E-04	2.39E-03	3.91E-04	2.92E-04
1205	563545.7	4234489	3.03E-03	5.14E-04	2.44E-03	4.00E-04	2.99E-04
1206	563566.3	4234539	3.43E-03	5.82E-04	2.77E-03	4.53E-04	3.39E-04
1207	563570.4	4234549	3.51E-03	5.95E-04	2.83E-03	4.64E-04	3.46E-04
1208	563574.5	4234560	3.58E-03	6.08E-04	2.89E-03	4.74E-04	3.54E-04
1209	563578.6	4234570	3.66E-03	6.20E-04	2.95E-03	4.83E-04	3.61E-04
1210	563582.7	4234580	3.72E-03	6.32E-04	3.01E-03	4.93E-04	3.68E-04
1211	563586.8	4234590	3.78E-03	6.42E-04	3.06E-03	5.00E-04	3.74E-04
1212	563590.9	4234600	3.83E-03	6.50E-04	3.09E-03	5.06E-04	3.78E-04
1213	563595.1	4234610	3.87E-03	6.56E-04	3.12E-03	5.11E-04	3.82E-04
1214	563599.2	4234620	3.90E-03	6.62E-04	3.15E-03	5.16E-04	3.85E-04
1215	563502.8	4234389	3.13E-03	5.31E-04	2.53E-03	4.14E-04	3.09E-04
1216	563537.7	4234370	2.77E-03	4.71E-04	2.24E-03	3.67E-04	2.74E-04
1217	563541.8	4234381	2.69E-03	4.56E-04	2.17E-03	3.56E-04	2.66E-04
1218	563546	4234391	2.61E-03	4.43E-04	2.11E-03	3.46E-04	2.58E-04
1219	563550.1	4234401	2.57E-03	4.36E-04	2.07E-03	3.40E-04	2.54E-04
1220	563554.2	4234411	2.54E-03	4.31E-04	2.05E-03	3.36E-04	2.51E-04
1221	563558.4	4234421	2.52E-03	4.28E-04	2.03E-03	3.33E-04	2.49E-04
1222	563562.5	4234431	2.50E-03	4.25E-04	2.02E-03	3.31E-04	2.47E-04
1223	563566.7	4234442	2.50E-03	4.23E-04	2.01E-03	3.30E-04	2.46E-04
1224	563570.8	4234452	2.49E-03	4.23E-04	2.01E-03	3.30E-04	2.46E-04
1225	563574.9	4234462	2.53E-03	4.30E-04	2.04E-03	3.35E-04	2.50E-04
1226	563579.1	4234472	2.60E-03	4.41E-04	2.10E-03	3.44E-04	2.57E-04
1227	563583.2	4234482	2.66E-03	4.52E-04	2.15E-03	3.52E-04	2.63E-04
1228	563603.9	4234533	3.08E-03	5.23E-04	2.49E-03	4.08E-04	3.05E-04
1229	563608	4234543	3.16E-03	5.36E-04	2.55E-03	4.17E-04	3.12E-04
1230	563612.2	4234553	3.22E-03	5.47E-04	2.60E-03	4.26E-04	3.18E-04
1231	563616.3	4234564	3.28E-03	5.57E-04	2.65E-03	4.34E-04	3.24E-04
1232	563620.5	4234574	3.34E-03	5.66E-04	2.69E-03	4.41E-04	3.30E-04
1233	563624.6	4234584	3.38E-03	5.74E-04	2.73E-03	4.47E-04	3.34E-04
1234	563628.7	4234594	3.42E-03	5.80E-04	2.76E-03	4.52E-04	3.38E-04
1235	563632.9	4234604	3.45E-03	5.85E-04	2.78E-03	4.56E-04	3.41E-04
1236	563637	4234614	3.47E-03	5.89E-04	2.80E-03	4.59E-04	3.43E-04
1237	563641.2	4234625	3.48E-03	5.90E-04	2.81E-03	4.60E-04	3.43E-04
1238	563531.8	4234361	2.85E-03	4.84E-04	2.30E-03	3.77E-04	2.82E-04
1239	563566.7	4234343	2.58E-03	4.37E-04	2.08E-03	3.41E-04	2.54E-04
1240	563570.8	4234353	2.50E-03	4.24E-04	2.02E-03	3.30E-04	2.47E-04
1241	563575	4234363	2.43E-03	4.12E-04	1.96E-03	3.21E-04	2.40E-04
1242	563579.1	4234374	2.37E-03	4.02E-04	1.91E-03	3.13E-04	2.34E-04

1243	563583.3	4234384	2.32E-03	3.94E-04	1.88E-03	3.07E-04	2.29E-04
1244	563587.5	4234394	2.29E-03	3.88E-04	1.85E-03	3.03E-04	2.26E-04
1245	563591.6	4234404	2.27E-03	3.85E-04	1.83E-03	3.00E-04	2.24E-04
1246	563595.8	4234414	2.27E-03	3.85E-04	1.83E-03	3.00E-04	2.24E-04
1247	563600	4234425	2.28E-03	3.87E-04	1.84E-03	3.01E-04	2.25E-04
1248	563604.1	4234435	2.30E-03	3.90E-04	1.86E-03	3.04E-04	2.27E-04
1249	563608.3	4234445	2.32E-03	3.94E-04	1.87E-03	3.07E-04	2.29E-04
1250	563612.4	4234455	2.34E-03	3.97E-04	1.89E-03	3.10E-04	2.31E-04
1251	563616.6	4234465	2.38E-03	4.03E-04	1.92E-03	3.14E-04	2.35E-04
1252	563620.8	4234476	2.43E-03	4.12E-04	1.96E-03	3.21E-04	2.40E-04
1253	563624.9	4234486	2.49E-03	4.22E-04	2.01E-03	3.29E-04	2.45E-04
1254	563645.7	4234537	2.87E-03	4.87E-04	2.32E-03	3.80E-04	2.83E-04
1255	563649.9	4234547	2.93E-03	4.97E-04	2.36E-03	3.87E-04	2.89E-04
1256	563654	4234557	2.98E-03	5.06E-04	2.41E-03	3.94E-04	2.94E-04
1257	563658.2	4234568	3.03E-03	5.14E-04	2.45E-03	4.01E-04	2.99E-04
1258	563662.4	4234578	3.08E-03	5.22E-04	2.48E-03	4.07E-04	3.04E-04
1259	563666.5	4234588	3.11E-03	5.27E-04	2.51E-03	4.11E-04	3.07E-04
1260	563670.7	4234598	3.12E-03	5.30E-04	2.52E-03	4.13E-04	3.08E-04
1261	563674.9	4234609	3.13E-03	5.31E-04	2.53E-03	4.14E-04	3.09E-04
1262	563679	4234619	3.13E-03	5.31E-04	2.53E-03	4.14E-04	3.09E-04
1263	563560.7	4234334	2.67E-03	4.53E-04	2.16E-03	3.53E-04	2.64E-04
1264	563595.6	4234315	2.28E-03	3.88E-04	1.84E-03	3.02E-04	2.26E-04
1265	563599.8	4234326	2.21E-03	3.76E-04	1.79E-03	2.93E-04	2.19E-04
1266	563604	4234336	2.15E-03	3.65E-04	1.74E-03	2.85E-04	2.13E-04
1267	563608.2	4234346	2.10E-03	3.56E-04	1.69E-03	2.77E-04	2.07E-04
1268	563612.4	4234356	2.05E-03	3.48E-04	1.66E-03	2.71E-04	2.03E-04
1269	563616.5	4234367	2.02E-03	3.42E-04	1.63E-03	2.67E-04	1.99E-04
1270	563620.7	4234377	2.00E-03	3.39E-04	1.61E-03	2.64E-04	1.97E-04
1271	563624.9	4234387	1.99E-03	3.37E-04	1.60E-03	2.63E-04	1.96E-04
1272	563629.1	4234397	1.99E-03	3.38E-04	1.61E-03	2.63E-04	1.97E-04
1273	563633.3	4234408	2.01E-03	3.41E-04	1.62E-03	2.66E-04	1.99E-04
1274	563637.4	4234418	2.04E-03	3.46E-04	1.65E-03	2.70E-04	2.01E-04
1275	563641.6	4234428	2.08E-03	3.52E-04	1.68E-03	2.75E-04	2.05E-04
1276	563645.8	4234438	2.12E-03	3.60E-04	1.71E-03	2.80E-04	2.09E-04
1277	563650	4234449	2.17E-03	3.68E-04	1.75E-03	2.87E-04	2.14E-04
1278	563654.2	4234459	2.23E-03	3.78E-04	1.80E-03	2.94E-04	2.20E-04
1279	563658.3	4234469	2.28E-03	3.86E-04	1.84E-03	3.01E-04	2.25E-04
1280	563662.5	4234480	2.32E-03	3.94E-04	1.87E-03	3.07E-04	2.29E-04
1281	563687.6	4234541	2.68E-03	4.54E-04	2.16E-03	3.54E-04	2.65E-04
1282	563691.8	4234551	2.72E-03	4.62E-04	2.20E-03	3.60E-04	2.69E-04
1283	563696	4234562	2.77E-03	4.69E-04	2.23E-03	3.66E-04	2.73E-04
1284	563700.1	4234572	2.80E-03	4.75E-04	2.26E-03	3.71E-04	2.77E-04
1285	563704.3	4234582	2.83E-03	4.80E-04	2.28E-03	3.74E-04	2.79E-04
1286	563708.5	4234592	2.83E-03	4.81E-04	2.29E-03	3.75E-04	2.80E-04
1287	563712.7	4234603	2.82E-03	4.79E-04	2.28E-03	3.73E-04	2.79E-04
1288	563589.7	4234306	2.37E-03	4.03E-04	1.92E-03	3.14E-04	2.34E-04
1289	563624.6	4234288	2.04E-03	3.46E-04	1.65E-03	2.70E-04	2.02E-04
1290	563628.7	4234298	1.98E-03	3.36E-04	1.60E-03	2.62E-04	1.96E-04
1291	563632.8	4234308	1.93E-03	3.27E-04	1.55E-03	2.55E-04	1.90E-04
1292	563637	4234318	1.88E-03	3.19E-04	1.52E-03	2.48E-04	1.85E-04
1293	563641.1	4234328	1.84E-03	3.12E-04	1.48E-03	2.43E-04	1.81E-04
1294	563645.3	4234338	1.80E-03	3.06E-04	1.46E-03	2.38E-04	1.78E-04

1295	563649.4	4234349	1.78E-03	3.01E-04	1.43E-03	2.35E-04	1.75E-04
1296	563653.5	4234359	1.76E-03	2.98E-04	1.42E-03	2.33E-04	1.74E-04
1297	563657.7	4234369	1.75E-03	2.97E-04	1.41E-03	2.32E-04	1.73E-04
1298	563661.8	4234379	1.76E-03	2.98E-04	1.42E-03	2.32E-04	1.73E-04
1299	563666	4234389	1.77E-03	3.00E-04	1.43E-03	2.34E-04	1.75E-04
1300	563670.1	4234399	1.79E-03	3.04E-04	1.45E-03	2.37E-04	1.77E-04
1301	563674.2	4234410	1.83E-03	3.10E-04	1.48E-03	2.42E-04	1.81E-04
1302	563678.4	4234420	1.87E-03	3.18E-04	1.51E-03	2.48E-04	1.85E-04
1303	563682.5	4234430	1.92E-03	3.26E-04	1.55E-03	2.54E-04	1.90E-04
1304	563686.7	4234440	1.98E-03	3.35E-04	1.59E-03	2.61E-04	1.95E-04
1305	563690.8	4234450	2.03E-03	3.45E-04	1.64E-03	2.69E-04	2.01E-04
1306	563694.9	4234460	2.09E-03	3.54E-04	1.69E-03	2.76E-04	2.06E-04
1307	563699.1	4234471	2.15E-03	3.64E-04	1.73E-03	2.84E-04	2.12E-04
1308	563703.2	4234481	2.20E-03	3.74E-04	1.78E-03	2.91E-04	2.18E-04
1309	563618.7	4234279	2.12E-03	3.60E-04	1.72E-03	2.81E-04	2.10E-04
1310	563653.5	4234260	1.82E-03	3.09E-04	1.47E-03	2.41E-04	1.80E-04
1311	563657.7	4234270	1.76E-03	2.99E-04	1.42E-03	2.33E-04	1.74E-04
1312	563661.9	4234281	1.71E-03	2.90E-04	1.38E-03	2.26E-04	1.69E-04
1313	563666	4234291	1.66E-03	2.82E-04	1.34E-03	2.20E-04	1.64E-04
1314	563670.2	4234301	1.62E-03	2.76E-04	1.31E-03	2.15E-04	1.60E-04
1315	563674.3	4234311	1.59E-03	2.70E-04	1.29E-03	2.11E-04	1.57E-04
1316	563678.5	4234321	1.56E-03	2.65E-04	1.26E-03	2.07E-04	1.54E-04
1317	563682.6	4234332	1.54E-03	2.61E-04	1.24E-03	2.03E-04	1.52E-04
1318	563686.8	4234342	1.52E-03	2.58E-04	1.23E-03	2.01E-04	1.50E-04
1319	563690.9	4234352	1.52E-03	2.57E-04	1.22E-03	2.01E-04	1.50E-04
1320	563695.1	4234362	1.52E-03	2.58E-04	1.23E-03	2.01E-04	1.50E-04
1321	563647.6	4234251	1.90E-03	3.22E-04	1.53E-03	2.51E-04	1.87E-04
1322	563682.5	4234233	1.62E-03	2.75E-04	1.31E-03	2.15E-04	1.60E-04
1323	563686.7	4234243	1.57E-03	2.66E-04	1.27E-03	2.08E-04	1.55E-04
1324	563782.6	4234478	1.85E-03	3.14E-04	1.49E-03	2.45E-04	1.83E-04
1325	563786.8	4234489	1.89E-03	3.21E-04	1.53E-03	2.50E-04	1.87E-04
1326	563791	4234499	1.93E-03	3.28E-04	1.56E-03	2.56E-04	1.91E-04
1327	563795.2	4234509	1.97E-03	3.35E-04	1.59E-03	2.61E-04	1.95E-04
1328	563799.3	4234519	2.01E-03	3.41E-04	1.62E-03	2.66E-04	1.98E-04
1329	563803.5	4234530	2.04E-03	3.46E-04	1.65E-03	2.70E-04	2.01E-04
1330	563807.7	4234540	2.07E-03	3.51E-04	1.67E-03	2.74E-04	2.04E-04
1331	563811.9	4234550	2.09E-03	3.55E-04	1.69E-03	2.77E-04	2.07E-04
1332	563816	4234560	2.10E-03	3.57E-04	1.70E-03	2.78E-04	2.08E-04
1333	563820.2	4234571	2.11E-03	3.58E-04	1.71E-03	2.79E-04	2.09E-04
1334	563676.6	4234223	1.69E-03	2.87E-04	1.37E-03	2.24E-04	1.67E-04
1335	563757.5	4234318	9.88E-04	1.68E-04	7.98E-04	1.31E-04	9.76E-05
1336	563761.7	4234328	9.58E-04	1.63E-04	7.74E-04	1.27E-04	9.46E-05
1337	563765.9	4234339	9.28E-04	1.58E-04	7.50E-04	1.23E-04	9.17E-05
1338	563770.1	4234349	9.21E-04	1.56E-04	7.44E-04	1.22E-04	9.10E-05
1339	563774.3	4234359	9.25E-04	1.57E-04	7.47E-04	1.22E-04	9.14E-05
1340	563778.5	4234369	9.40E-04	1.60E-04	7.59E-04	1.24E-04	9.29E-05
1341	563782.6	4234380	9.65E-04	1.64E-04	7.79E-04	1.28E-04	9.53E-05
1342	563786.8	4234390	9.91E-04	1.68E-04	8.00E-04	1.31E-04	9.79E-05
1343	563791	4234400	1.03E-03	1.75E-04	8.34E-04	1.37E-04	1.02E-04
1344	563795.2	4234411	1.09E-03	1.85E-04	8.81E-04	1.44E-04	1.08E-04
1345	563799.4	4234421	1.15E-03	1.96E-04	9.31E-04	1.52E-04	1.14E-04
1346	563803.6	4234431	1.22E-03	2.07E-04	9.86E-04	1.61E-04	1.21E-04

1347	563807.8	4234441	1.31E-03	2.22E-04	1.06E-03	1.73E-04	1.29E-04
1348	563811.9	4234452	1.42E-03	2.40E-04	1.14E-03	1.87E-04	1.40E-04
1349	563816.1	4234462	1.48E-03	2.51E-04	1.19E-03	1.96E-04	1.46E-04
1350	563820.3	4234472	1.52E-03	2.57E-04	1.23E-03	2.01E-04	1.50E-04
1351	563824.5	4234483	1.58E-03	2.68E-04	1.28E-03	2.09E-04	1.56E-04
1352	563828.7	4234493	1.64E-03	2.78E-04	1.32E-03	2.17E-04	1.62E-04
1353	563832.9	4234503	1.68E-03	2.85E-04	1.36E-03	2.22E-04	1.66E-04
1354	563837.1	4234513	1.72E-03	2.91E-04	1.39E-03	2.27E-04	1.70E-04
1355	563841.2	4234524	1.75E-03	2.98E-04	1.42E-03	2.32E-04	1.73E-04
1356	563845.4	4234534	1.86E-03	3.16E-04	1.50E-03	2.46E-04	1.84E-04
1357	563849.6	4234544	1.88E-03	3.20E-04	1.52E-03	2.49E-04	1.86E-04
1358	563853.8	4234554	1.90E-03	3.23E-04	1.54E-03	2.52E-04	1.88E-04
1359	563858	4234565	1.92E-03	3.25E-04	1.55E-03	2.54E-04	1.89E-04
1360	563862.2	4234575	1.93E-03	3.27E-04	1.56E-03	2.55E-04	1.90E-04
1361	563866.4	4234585	1.93E-03	3.27E-04	1.56E-03	2.55E-04	1.90E-04
1362	563761.2	4234228	9.76E-04	1.66E-04	7.88E-04	1.29E-04	9.63E-05
1363	563765.3	4234239	9.22E-04	1.56E-04	7.44E-04	1.22E-04	9.10E-05
1364	563769.5	4234249	8.73E-04	1.48E-04	7.05E-04	1.15E-04	8.62E-05
1365	563773.6	4234259	8.32E-04	1.41E-04	6.72E-04	1.10E-04	8.22E-05
1366	563777.8	4234269	7.88E-04	1.34E-04	6.36E-04	1.04E-04	7.78E-05
1367	563782	4234279	7.49E-04	1.27E-04	6.05E-04	9.91E-05	7.40E-05
1368	563786.1	4234290	7.09E-04	1.20E-04	5.72E-04	9.37E-05	7.00E-05
1369	563790.3	4234300	6.62E-04	1.12E-04	5.35E-04	8.76E-05	6.54E-05
1370	563794.4	4234310	6.26E-04	1.06E-04	5.05E-04	8.28E-05	6.18E-05
1371	563798.6	4234320	6.05E-04	1.03E-04	4.89E-04	8.01E-05	5.98E-05
1372	563802.7	4234330	6.00E-04	1.02E-04	4.84E-04	7.94E-05	5.93E-05
1373	563806.9	4234341	6.06E-04	1.03E-04	4.89E-04	8.01E-05	5.99E-05
1374	563811	4234351	6.14E-04	1.04E-04	4.96E-04	8.12E-05	6.07E-05
1375	563815.2	4234361	6.16E-04	1.05E-04	4.98E-04	8.15E-05	6.09E-05
1376	563819.3	4234371	6.20E-04	1.05E-04	5.01E-04	8.20E-05	6.13E-05
1377	563823.5	4234381	6.43E-04	1.09E-04	5.19E-04	8.50E-05	6.35E-05
1378	563827.6	4234392	6.79E-04	1.15E-04	5.48E-04	8.98E-05	6.71E-05
1379	563831.8	4234402	7.16E-04	1.21E-04	5.78E-04	9.47E-05	7.07E-05
1380	563836	4234412	7.42E-04	1.26E-04	5.99E-04	9.81E-05	7.32E-05
1381	563840.1	4234422	7.66E-04	1.30E-04	6.18E-04	1.01E-04	7.56E-05
1382	563844.3	4234432	8.02E-04	1.36E-04	6.47E-04	1.06E-04	7.92E-05
1383	563848.4	4234442	8.47E-04	1.44E-04	6.84E-04	1.12E-04	8.37E-05
1384	563852.6	4234453	8.93E-04	1.51E-04	7.21E-04	1.18E-04	8.82E-05
1385	563856.7	4234463	9.67E-04	1.64E-04	7.81E-04	1.28E-04	9.55E-05
1386	563860.9	4234473	1.07E-03	1.82E-04	8.65E-04	1.42E-04	1.06E-04
1387	563865	4234483	1.20E-03	2.03E-04	9.67E-04	1.58E-04	1.18E-04
1388	563869.2	4234493	1.29E-03	2.18E-04	1.04E-03	1.70E-04	1.27E-04
1389	563873.3	4234504	1.37E-03	2.33E-04	1.11E-03	1.81E-04	1.35E-04
1390	563877.5	4234514	1.45E-03	2.46E-04	1.17E-03	1.92E-04	1.43E-04
1391	563881.6	4234524	1.47E-03	2.50E-04	1.19E-03	1.95E-04	1.46E-04
1392	563885.8	4234534	1.49E-03	2.53E-04	1.20E-03	1.97E-04	1.47E-04
1393	563889.9	4234544	1.51E-03	2.57E-04	1.22E-03	2.00E-04	1.50E-04
1394	563894.1	4234555	1.54E-03	2.62E-04	1.25E-03	2.04E-04	1.53E-04
1395	563898.3	4234565	1.58E-03	2.68E-04	1.28E-03	2.09E-04	1.56E-04
1396	563902.4	4234575	1.62E-03	2.75E-04	1.31E-03	2.15E-04	1.60E-04
1397	563906.6	4234585	1.74E-03	2.95E-04	1.41E-03	2.30E-04	1.72E-04
1398	563910.7	4234595	1.75E-03	2.98E-04	1.42E-03	2.32E-04	1.73E-04

1399	563914.9	4234606	1.76E-03	2.99E-04	1.42E-03	2.33E-04	1.74E-04
1400	563919	4234616	1.74E-03	2.95E-04	1.41E-03	2.30E-04	1.72E-04
1401	563923.2	4234626	1.71E-03	2.91E-04	1.38E-03	2.27E-04	1.69E-04
1402	563260.6	4234600	2.63E-02	4.47E-03	2.13E-02	3.48E-03	2.60E-03
1403	563266.7	4234592	2.35E-02	3.98E-03	1.90E-02	3.11E-03	2.32E-03
1404	563257.6	4234585	2.64E-02	4.47E-03	2.13E-02	3.49E-03	2.60E-03
1405	563272.8	4234584	2.11E-02	3.59E-03	1.71E-02	2.80E-03	2.09E-03
1406	563263.1	4234577	2.38E-02	4.04E-03	1.92E-02	3.14E-03	2.35E-03
1407	563277.6	4234575	1.95E-02	3.30E-03	1.57E-02	2.57E-03	1.92E-03
1408	563285.2	4234582	1.78E-02	3.03E-03	1.44E-02	2.36E-03	1.76E-03
1409	563268.7	4234569	2.16E-02	3.67E-03	1.75E-02	2.86E-03	2.13E-03
1410	563283.6	4234567	1.77E-02	3.01E-03	1.43E-02	2.34E-03	1.75E-03
1411	563292.1	4234574	1.62E-02	2.75E-03	1.31E-02	2.14E-03	1.60E-03
1412	563274.2	4234560	1.98E-02	3.36E-03	1.60E-02	2.62E-03	1.95E-03
1413	563294.5	4234551	1.50E-02	2.55E-03	1.21E-02	1.99E-03	1.48E-03
1414	563302.6	4234557	1.38E-02	2.34E-03	1.11E-02	1.83E-03	1.36E-03
1415	563285.3	4234544	1.66E-02	2.82E-03	1.34E-02	2.20E-03	1.64E-03
1416	563306.3	4234535	1.28E-02	2.17E-03	1.03E-02	1.69E-03	1.26E-03
1417	563315.8	4234543	1.16E-02	1.97E-03	9.40E-03	1.54E-03	1.15E-03
1418	563296.4	4234527	1.41E-02	2.40E-03	1.14E-02	1.87E-03	1.40E-03
1419	563317.2	4234518	1.12E-02	1.90E-03	9.05E-03	1.48E-03	1.11E-03
1420	563326.2	4234525	1.03E-02	1.75E-03	8.32E-03	1.36E-03	1.02E-03
1421	563335.2	4234533	9.47E-03	1.61E-03	7.65E-03	1.25E-03	9.36E-04
1422	563307.5	4234510	1.23E-02	2.09E-03	9.93E-03	1.63E-03	1.21E-03
1423	563328.1	4234501	1.00E-02	1.70E-03	8.08E-03	1.32E-03	9.89E-04
1424	563336.8	4234508	9.25E-03	1.57E-03	7.47E-03	1.22E-03	9.14E-04
1425	563345.5	4234516	8.56E-03	1.45E-03	6.91E-03	1.13E-03	8.45E-04
1426	563318.6	4234494	1.09E-02	1.85E-03	8.82E-03	1.44E-03	1.08E-03
1427	563339.1	4234484	9.05E-03	1.54E-03	7.31E-03	1.20E-03	8.94E-04
1428	563347.6	4234491	8.43E-03	1.43E-03	6.81E-03	1.11E-03	8.32E-04
1429	563356	4234498	7.84E-03	1.33E-03	6.33E-03	1.04E-03	7.74E-04
1430	563364.5	4234506	7.29E-03	1.24E-03	5.89E-03	9.64E-04	7.20E-04
1431	563329.7	4234477	9.79E-03	1.66E-03	7.91E-03	1.30E-03	9.67E-04
1432	563350.6	4234468	8.24E-03	1.40E-03	6.66E-03	1.09E-03	8.14E-04
1433	563359.9	4234476	7.67E-03	1.30E-03	6.19E-03	1.01E-03	7.57E-04
1434	563369.2	4234484	7.10E-03	1.21E-03	5.74E-03	9.40E-04	7.02E-04
1435	563378.5	4234491	6.57E-03	1.11E-03	5.30E-03	8.69E-04	6.49E-04
1436	563340.8	4234461	8.89E-03	1.51E-03	7.18E-03	1.18E-03	8.78E-04
1437	563361.6	4234451	7.60E-03	1.29E-03	6.14E-03	1.01E-03	7.51E-04
1438	563370.6	4234459	7.07E-03	1.20E-03	5.71E-03	9.36E-04	6.99E-04
1439	563379.6	4234466	6.57E-03	1.11E-03	5.30E-03	8.69E-04	6.49E-04
1440	563388.6	4234474	6.11E-03	1.04E-03	4.93E-03	8.08E-04	6.03E-04
1441	563351.9	4234444	8.19E-03	1.39E-03	6.61E-03	1.08E-03	8.08E-04
1442	563372.6	4234434	7.01E-03	1.19E-03	5.66E-03	9.27E-04	6.93E-04
1443	563381.4	4234442	6.54E-03	1.11E-03	5.28E-03	8.65E-04	6.46E-04
1444	563390.2	4234449	6.10E-03	1.04E-03	4.93E-03	8.07E-04	6.03E-04
1445	563398.9	4234457	5.69E-03	9.66E-04	4.59E-03	7.53E-04	5.62E-04
1446	563407.7	4234464	5.32E-03	9.02E-04	4.29E-03	7.03E-04	5.25E-04
1447	563363	4234427	7.55E-03	1.28E-03	6.09E-03	9.98E-04	7.45E-04
1448	563384	4234418	6.47E-03	1.10E-03	5.22E-03	8.56E-04	6.39E-04
1449	563393.5	4234426	6.02E-03	1.02E-03	4.86E-03	7.96E-04	5.95E-04
1450	563402.9	4234434	5.60E-03	9.49E-04	4.52E-03	7.40E-04	5.53E-04

1451	563412.4	4234442	5.20E-03	8.83E-04	4.20E-03	6.88E-04	5.14E-04
1452	563421.9	4234450	4.84E-03	8.22E-04	3.91E-03	6.41E-04	4.78E-04
1453	563374.1	4234411	6.96E-03	1.18E-03	5.62E-03	9.20E-04	6.87E-04
1454	563395	4234401	6.02E-03	1.02E-03	4.86E-03	7.96E-04	5.94E-04
1455	563404.2	4234409	5.62E-03	9.54E-04	4.54E-03	7.44E-04	5.55E-04
1456	563413.4	4234417	5.25E-03	8.90E-04	4.24E-03	6.94E-04	5.18E-04
1457	563422.6	4234425	4.90E-03	8.31E-04	3.95E-03	6.47E-04	4.84E-04
1458	563431.9	4234432	4.60E-03	7.81E-04	3.72E-03	6.09E-04	4.54E-04
1459	563385.2	4234394	6.45E-03	1.09E-03	5.21E-03	8.53E-04	6.37E-04
1460	563417	4234368	5.26E-03	8.93E-04	4.25E-03	6.96E-04	5.20E-04
1461	563425.9	4234375	4.95E-03	8.40E-04	4.00E-03	6.55E-04	4.89E-04
1462	563434.7	4234383	4.65E-03	7.90E-04	3.76E-03	6.16E-04	4.60E-04
1463	563443.5	4234390	4.37E-03	7.42E-04	3.53E-03	5.78E-04	4.32E-04
1464	563407.4	4234361	5.63E-03	9.55E-04	4.54E-03	7.44E-04	5.56E-04
1465	563439.4	4234335	4.79E-03	8.12E-04	3.87E-03	6.33E-04	4.73E-04
1466	563494.4	4234381	3.31E-03	5.61E-04	2.67E-03	4.37E-04	3.27E-04
1467	563429.6	4234327	5.08E-03	8.62E-04	4.10E-03	6.72E-04	5.02E-04
1468	563499.6	4234333	3.37E-03	5.71E-04	2.72E-03	4.45E-04	3.33E-04
1469	563509	4234341	3.16E-03	5.37E-04	2.55E-03	4.18E-04	3.12E-04
1470	563518.5	4234349	3.00E-03	5.10E-04	2.43E-03	3.97E-04	2.97E-04
1471	563492.9	4234276	3.66E-03	6.22E-04	2.96E-03	4.85E-04	3.62E-04
1472	563502.1	4234284	3.47E-03	5.90E-04	2.81E-03	4.60E-04	3.43E-04
1473	563511.2	4234291	3.29E-03	5.58E-04	2.66E-03	4.35E-04	3.25E-04
1474	563520.3	4234299	3.13E-03	5.31E-04	2.53E-03	4.14E-04	3.09E-04
1475	563529.5	4234307	2.99E-03	5.07E-04	2.41E-03	3.95E-04	2.95E-04
1476	563538.6	4234314	2.87E-03	4.87E-04	2.32E-03	3.80E-04	2.84E-04
1477	563547.8	4234322	2.78E-03	4.72E-04	2.25E-03	3.68E-04	2.75E-04
1478	563506.1	4234235	3.49E-03	5.92E-04	2.82E-03	4.61E-04	3.44E-04
1479	563515.5	4234243	3.34E-03	5.66E-04	2.69E-03	4.41E-04	3.30E-04
1480	563524.9	4234251	3.20E-03	5.44E-04	2.59E-03	4.24E-04	3.16E-04
1481	563534.3	4234259	3.07E-03	5.21E-04	2.48E-03	4.06E-04	3.04E-04
1482	563543.6	4234267	2.94E-03	4.99E-04	2.38E-03	3.89E-04	2.91E-04
1483	563553	4234275	2.82E-03	4.78E-04	2.27E-03	3.72E-04	2.78E-04
1484	563562.4	4234282	2.69E-03	4.57E-04	2.17E-03	3.56E-04	2.66E-04
1485	563571.8	4234290	2.58E-03	4.38E-04	2.08E-03	3.41E-04	2.55E-04
1486	563581.2	4234298	2.47E-03	4.19E-04	1.99E-03	3.27E-04	2.44E-04
1487	563496.2	4234228	3.63E-03	6.16E-04	2.93E-03	4.80E-04	3.58E-04
1488	563528.2	4234202	3.25E-03	5.51E-04	2.62E-03	4.30E-04	3.21E-04
1489	563537.3	4234209	3.15E-03	5.34E-04	2.54E-03	4.16E-04	3.11E-04
1490	563546.4	4234217	3.04E-03	5.16E-04	2.45E-03	4.02E-04	3.00E-04
1491	563555.5	4234225	2.94E-03	4.98E-04	2.37E-03	3.88E-04	2.90E-04
1492	563564.7	4234232	2.83E-03	4.80E-04	2.28E-03	3.74E-04	2.79E-04
1493	563573.8	4234240	2.72E-03	4.62E-04	2.20E-03	3.60E-04	2.69E-04
1494	563582.9	4234248	2.62E-03	4.45E-04	2.12E-03	3.47E-04	2.59E-04
1495	563592	4234255	2.52E-03	4.27E-04	2.03E-03	3.33E-04	2.49E-04
1496	563601.2	4234263	2.38E-03	4.03E-04	1.92E-03	3.14E-04	2.35E-04
1497	563610.3	4234271	2.24E-03	3.81E-04	1.81E-03	2.97E-04	2.21E-04
1498	563518.4	4234194	3.36E-03	5.70E-04	2.71E-03	4.44E-04	3.32E-04
1499	563550.5	4234169	3.07E-03	5.21E-04	2.48E-03	4.06E-04	3.03E-04
1500	563559.8	4234176	2.99E-03	5.07E-04	2.41E-03	3.95E-04	2.95E-04
1501	563569.1	4234184	2.90E-03	4.92E-04	2.34E-03	3.84E-04	2.87E-04
1502	563578.5	4234192	2.81E-03	4.78E-04	2.27E-03	3.72E-04	2.78E-04

1503	563587.8	4234200	2.73E-03	4.63E-04	2.20E-03	3.60E-04	2.69E-04
1504	563597.1	4234208	2.61E-03	4.42E-04	2.10E-03	3.45E-04	2.57E-04
1505	563606.5	4234216	2.47E-03	4.19E-04	1.99E-03	3.26E-04	2.44E-04
1506	563615.8	4234223	2.33E-03	3.96E-04	1.88E-03	3.08E-04	2.30E-04
1507	563625.1	4234231	2.20E-03	3.73E-04	1.78E-03	2.91E-04	2.17E-04
1508	563634.5	4234239	2.07E-03	3.51E-04	1.67E-03	2.74E-04	2.04E-04
1509	563540.6	4234161	3.16E-03	5.36E-04	2.55E-03	4.18E-04	3.12E-04
1510	563572.6	4234135	2.93E-03	4.97E-04	2.37E-03	3.88E-04	2.89E-04
1511	563581.7	4234143	2.83E-03	4.80E-04	2.28E-03	3.74E-04	2.79E-04
1512	563590.8	4234150	2.72E-03	4.61E-04	2.19E-03	3.59E-04	2.68E-04
1513	563599.9	4234158	2.61E-03	4.43E-04	2.11E-03	3.45E-04	2.58E-04
1514	563609	4234166	2.55E-03	4.33E-04	2.06E-03	3.37E-04	2.52E-04
1515	563618.1	4234173	2.45E-03	4.16E-04	1.98E-03	3.24E-04	2.42E-04
1516	563627.2	4234181	2.33E-03	3.95E-04	1.88E-03	3.08E-04	2.30E-04
1517	563636.3	4234189	2.21E-03	3.75E-04	1.78E-03	2.92E-04	2.18E-04
1518	563645.4	4234196	2.09E-03	3.55E-04	1.69E-03	2.76E-04	2.06E-04
1519	563654.5	4234204	1.97E-03	3.34E-04	1.59E-03	2.61E-04	1.95E-04
1520	563663.7	4234212	1.85E-03	3.14E-04	1.49E-03	2.45E-04	1.83E-04
1521	563562.8	4234128	3.00E-03	5.09E-04	2.42E-03	3.97E-04	2.96E-04
1522	563594.9	4234102	2.72E-03	4.61E-04	2.19E-03	3.59E-04	2.68E-04
1523	563604.2	4234110	2.62E-03	4.45E-04	2.12E-03	3.47E-04	2.59E-04
1524	563613.5	4234118	2.55E-03	4.33E-04	2.06E-03	3.38E-04	2.52E-04
1525	563622.7	4234125	2.50E-03	4.24E-04	2.02E-03	3.31E-04	2.47E-04
1526	563632	4234133	2.39E-03	4.06E-04	1.93E-03	3.17E-04	2.36E-04
1527	563641.3	4234141	2.28E-03	3.88E-04	1.84E-03	3.02E-04	2.26E-04
1528	563650.6	4234149	2.17E-03	3.68E-04	1.75E-03	2.87E-04	2.14E-04
1529	563659.9	4234157	2.06E-03	3.49E-04	1.66E-03	2.72E-04	2.03E-04
1530	563669.2	4234164	1.94E-03	3.30E-04	1.57E-03	2.57E-04	1.92E-04
1531	563678.5	4234172	1.83E-03	3.10E-04	1.48E-03	2.42E-04	1.81E-04
1532	563585.1	4234095	2.81E-03	4.77E-04	2.27E-03	3.72E-04	2.78E-04
1533	563617.2	4234069	2.52E-03	4.28E-04	2.04E-03	3.34E-04	2.49E-04
1534	563626.6	4234077	2.44E-03	4.14E-04	1.97E-03	3.22E-04	2.41E-04
1535	563636.1	4234085	2.36E-03	4.01E-04	1.91E-03	3.12E-04	2.33E-04
1536	563645.5	4234093	2.31E-03	3.92E-04	1.86E-03	3.05E-04	2.28E-04
1537	563655	4234101	2.24E-03	3.80E-04	1.81E-03	2.96E-04	2.21E-04
1538	563664.5	4234109	2.14E-03	3.62E-04	1.72E-03	2.82E-04	2.11E-04
1539	563673.9	4234116	2.03E-03	3.44E-04	1.64E-03	2.68E-04	2.00E-04
1540	563607.3	4234061	2.61E-03	4.43E-04	2.11E-03	3.45E-04	2.58E-04
1541	563214	4234603	6.08E-02	1.03E-02	4.91E-02	8.04E-03	6.00E-03
1542	563197.8	4234602	7.95E-02	1.35E-02	6.42E-02	1.05E-02	7.86E-03
1543	563214.9	4234593	5.49E-02	9.32E-03	4.43E-02	7.26E-03	5.42E-03
1544	563198.7	4234592	7.06E-02	1.20E-02	5.70E-02	9.34E-03	6.97E-03
1545	563215.8	4234583	5.01E-02	8.50E-03	4.05E-02	6.63E-03	4.95E-03
1546	563199.6	4234582	6.34E-02	1.08E-02	5.12E-02	8.38E-03	6.26E-03
1547	563216.6	4234573	4.61E-02	7.82E-03	3.72E-02	6.10E-03	4.55E-03
1548	563200.4	4234572	5.74E-02	9.74E-03	4.63E-02	7.59E-03	5.67E-03
1549	563217.5	4234563	4.27E-02	7.24E-03	3.45E-02	5.65E-03	4.22E-03
1550	563201.3	4234562	5.24E-02	8.89E-03	4.23E-02	6.93E-03	5.17E-03
1551	563218.3	4234553	3.97E-02	6.74E-03	3.21E-02	5.26E-03	3.92E-03
1552	563202.1	4234552	4.81E-02	8.16E-03	3.89E-02	6.36E-03	4.75E-03
1553	563260.8	4234556	2.33E-02	3.95E-03	1.88E-02	3.08E-03	2.30E-03
1554	563219.2	4234543	3.72E-02	6.31E-03	3.00E-02	4.91E-03	3.67E-03

1555	563203	4234542	4.44E-02	7.53E-03	3.58E-02	5.87E-03	4.38E-03
1556	563264.2	4234536	2.12E-02	3.59E-03	1.71E-02	2.80E-03	2.09E-03
1557	563220.9	4234523	3.28E-02	5.57E-03	2.65E-02	4.34E-03	3.24E-03
1558	563204.7	4234522	3.81E-02	6.47E-03	3.08E-02	5.04E-03	3.76E-03
1559	563267.2	4234517	1.93E-02	3.28E-03	1.56E-02	2.55E-03	1.91E-03
1560	563281.8	4234522	1.65E-02	2.81E-03	1.34E-02	2.19E-03	1.63E-03
1561	563222.7	4234503	2.89E-02	4.90E-03	2.33E-02	3.82E-03	2.85E-03
1562	563206.4	4234502	3.30E-02	5.61E-03	2.67E-02	4.37E-03	3.26E-03
1563	563255	4234492	2.04E-02	3.46E-03	1.65E-02	2.70E-03	2.01E-03
1564	563270	4234497	1.79E-02	3.04E-03	1.45E-02	2.37E-03	1.77E-03
1565	563285	4234503	1.54E-02	2.62E-03	1.25E-02	2.04E-03	1.53E-03
1566	563224.4	4234483	2.56E-02	4.34E-03	2.07E-02	3.39E-03	2.53E-03
1567	563208.2	4234482	2.89E-02	4.91E-03	2.34E-02	3.83E-03	2.86E-03
1568	563257.2	4234472	1.88E-02	3.19E-03	1.52E-02	2.49E-03	1.86E-03
1569	563272.6	4234478	1.67E-02	2.84E-03	1.35E-02	2.21E-03	1.65E-03
1570	563287.9	4234483	1.46E-02	2.47E-03	1.17E-02	1.92E-03	1.44E-03
1571	563303.3	4234488	1.26E-02	2.13E-03	1.02E-02	1.66E-03	1.24E-03
1572	563226.1	4234464	2.32E-02	3.94E-03	1.87E-02	3.07E-03	2.29E-03
1573	563209.9	4234462	2.58E-02	4.38E-03	2.09E-02	3.42E-03	2.55E-03
1574	563257.6	4234452	1.76E-02	2.99E-03	1.42E-02	2.33E-03	1.74E-03
1575	563272	4234457	1.60E-02	2.72E-03	1.29E-02	2.12E-03	1.58E-03
1576	563286.4	4234462	1.42E-02	2.42E-03	1.15E-02	1.88E-03	1.41E-03
1577	563300.9	4234467	1.26E-02	2.13E-03	1.01E-02	1.66E-03	1.24E-03
1578	563315.3	4234472	1.11E-02	1.88E-03	8.96E-03	1.47E-03	1.10E-03
1579	563227.8	4234444	2.09E-02	3.55E-03	1.69E-02	2.77E-03	2.07E-03
1580	563211.6	4234442	2.30E-02	3.91E-03	1.86E-02	3.05E-03	2.28E-03
1581	563259.7	4234432	1.61E-02	2.74E-03	1.30E-02	2.13E-03	1.59E-03
1582	563274.5	4234437	1.48E-02	2.51E-03	1.19E-02	1.96E-03	1.46E-03
1583	563289.2	4234442	1.34E-02	2.27E-03	1.08E-02	1.77E-03	1.32E-03
1584	563304	4234448	1.19E-02	2.02E-03	9.62E-03	1.58E-03	1.18E-03
1585	563318.7	4234453	1.06E-02	1.80E-03	8.58E-03	1.41E-03	1.05E-03
1586	563229.5	4234424	1.89E-02	3.21E-03	1.53E-02	2.50E-03	1.87E-03
1587	563213.3	4234422	2.07E-02	3.51E-03	1.67E-02	2.73E-03	2.04E-03
1588	563261.9	4234412	1.50E-02	2.54E-03	1.21E-02	1.98E-03	1.48E-03
1589	563276.9	4234418	1.38E-02	2.34E-03	1.11E-02	1.82E-03	1.36E-03
1590	563291.9	4234423	1.26E-02	2.13E-03	1.01E-02	1.66E-03	1.24E-03
1591	563306.9	4234428	1.14E-02	1.93E-03	9.18E-03	1.50E-03	1.12E-03
1592	563321.9	4234433	1.03E-02	1.74E-03	8.28E-03	1.36E-03	1.01E-03
1593	563336.9	4234439	9.18E-03	1.56E-03	7.41E-03	1.21E-03	9.07E-04
1594	563215.1	4234402	1.88E-02	3.20E-03	1.52E-02	2.49E-03	1.86E-03
1595	563263.9	4234393	1.40E-02	2.38E-03	1.13E-02	1.85E-03	1.38E-03
1596	563279.2	4234398	1.30E-02	2.20E-03	1.05E-02	1.72E-03	1.28E-03
1597	563294.4	4234403	1.19E-02	2.02E-03	9.60E-03	1.57E-03	1.17E-03
1598	563309.7	4234409	1.08E-02	1.84E-03	8.74E-03	1.43E-03	1.07E-03
1599	563324.9	4234414	9.84E-03	1.67E-03	7.94E-03	1.30E-03	9.72E-04
1600	563340.2	4234419	8.91E-03	1.51E-03	7.19E-03	1.18E-03	8.80E-04
1601	563216.8	4234382	1.73E-02	2.93E-03	1.40E-02	2.29E-03	1.71E-03
1602	563264.7	4234372	1.32E-02	2.24E-03	1.07E-02	1.75E-03	1.30E-03
1603	563279.3	4234377	1.24E-02	2.10E-03	9.97E-03	1.63E-03	1.22E-03
1604	563293.9	4234383	1.15E-02	1.94E-03	9.26E-03	1.52E-03	1.13E-03
1605	563308.5	4234388	1.06E-02	1.79E-03	8.52E-03	1.40E-03	1.04E-03
1606	563323.1	4234393	9.65E-03	1.64E-03	7.79E-03	1.28E-03	9.53E-04

1607	563337.6	4234398	8.81E-03	1.50E-03	7.12E-03	1.17E-03	8.70E-04
1608	563352.2	4234403	8.07E-03	1.37E-03	6.52E-03	1.07E-03	7.97E-04
1609	563218.5	4234363	1.59E-02	2.70E-03	1.29E-02	2.11E-03	1.57E-03
1610	563266.7	4234352	1.24E-02	2.10E-03	1.00E-02	1.64E-03	1.22E-03
1611	563281.6	4234358	1.17E-02	1.98E-03	9.41E-03	1.54E-03	1.15E-03
1612	563296.4	4234363	1.09E-02	1.84E-03	8.77E-03	1.44E-03	1.07E-03
1613	563311.2	4234368	1.01E-02	1.71E-03	8.12E-03	1.33E-03	9.93E-04
1614	563326	4234373	9.24E-03	1.57E-03	7.46E-03	1.22E-03	9.13E-04
1615	563340.8	4234378	8.49E-03	1.44E-03	6.86E-03	1.12E-03	8.39E-04
1616	563355.6	4234384	7.81E-03	1.33E-03	6.31E-03	1.03E-03	7.72E-04
1617	563370.4	4234389	7.13E-03	1.21E-03	5.76E-03	9.43E-04	7.04E-04
1618	563220.2	4234343	1.47E-02	2.50E-03	1.19E-02	1.95E-03	1.45E-03
1619	563270.7	4234313	1.10E-02	1.87E-03	8.88E-03	1.45E-03	1.09E-03
1620	563285.9	4234318	1.05E-02	1.78E-03	8.47E-03	1.39E-03	1.04E-03
1621	563301.1	4234323	9.89E-03	1.68E-03	7.99E-03	1.31E-03	9.77E-04
1622	563316.3	4234329	9.28E-03	1.57E-03	7.49E-03	1.23E-03	9.16E-04
1623	563331.5	4234334	8.69E-03	1.47E-03	7.02E-03	1.15E-03	8.58E-04
1624	563346.7	4234339	8.02E-03	1.36E-03	6.47E-03	1.06E-03	7.92E-04
1625	563361.9	4234345	7.37E-03	1.25E-03	5.95E-03	9.75E-04	7.28E-04
1626	563377.1	4234350	6.80E-03	1.15E-03	5.49E-03	8.99E-04	6.71E-04
1627	563392.2	4234355	6.22E-03	1.05E-03	5.02E-03	8.22E-04	6.14E-04
1628	563223.7	4234303	1.27E-02	2.16E-03	1.03E-02	1.68E-03	1.26E-03
1629	563258.8	4234268	1.03E-02	1.75E-03	8.33E-03	1.36E-03	1.02E-03
1630	563273.7	4234273	9.89E-03	1.68E-03	7.98E-03	1.31E-03	9.77E-04
1631	563288.5	4234278	9.55E-03	1.62E-03	7.71E-03	1.26E-03	9.44E-04
1632	563303.4	4234283	9.20E-03	1.56E-03	7.43E-03	1.22E-03	9.09E-04
1633	563318.2	4234288	8.77E-03	1.49E-03	7.08E-03	1.16E-03	8.66E-04
1634	563333.1	4234294	8.26E-03	1.40E-03	6.67E-03	1.09E-03	8.16E-04
1635	563347.9	4234299	7.76E-03	1.32E-03	6.27E-03	1.03E-03	7.67E-04
1636	563362.8	4234304	7.31E-03	1.24E-03	5.90E-03	9.67E-04	7.22E-04
1637	563377.7	4234309	6.77E-03	1.15E-03	5.47E-03	8.95E-04	6.69E-04
1638	563392.5	4234314	6.27E-03	1.06E-03	5.06E-03	8.29E-04	6.19E-04
1639	563407.4	4234320	5.77E-03	9.80E-04	4.66E-03	7.64E-04	5.70E-04
1640	563227.1	4234263	1.12E-02	1.90E-03	9.05E-03	1.48E-03	1.11E-03
1641	563262.4	4234228	9.41E-03	1.60E-03	7.59E-03	1.24E-03	9.29E-04
1642	563277.6	4234233	9.11E-03	1.55E-03	7.35E-03	1.20E-03	8.99E-04
1643	563292.7	4234238	8.77E-03	1.49E-03	7.08E-03	1.16E-03	8.66E-04
1644	563307.9	4234244	8.42E-03	1.43E-03	6.80E-03	1.11E-03	8.32E-04
1645	563323	4234249	8.13E-03	1.38E-03	6.56E-03	1.08E-03	8.03E-04
1646	563338.2	4234254	7.77E-03	1.32E-03	6.28E-03	1.03E-03	7.68E-04
1647	563353.3	4234260	7.31E-03	1.24E-03	5.90E-03	9.66E-04	7.22E-04
1648	563368.5	4234265	6.84E-03	1.16E-03	5.52E-03	9.05E-04	6.76E-04
1649	563383.6	4234270	6.38E-03	1.08E-03	5.16E-03	8.44E-04	6.31E-04
1650	563398.8	4234276	5.94E-03	1.01E-03	4.80E-03	7.85E-04	5.87E-04
1651	563414	4234281	5.51E-03	9.35E-04	4.45E-03	7.29E-04	5.44E-04
1652	563429.1	4234286	5.10E-03	8.66E-04	4.12E-03	6.75E-04	5.04E-04
1653	563230.5	4234223	1.01E-02	1.71E-03	8.14E-03	1.33E-03	9.96E-04
1654	563265.7	4234188	8.48E-03	1.44E-03	6.85E-03	1.12E-03	8.38E-04
1655	563280.6	4234193	8.30E-03	1.41E-03	6.70E-03	1.10E-03	8.20E-04
1656	563295.5	4234198	8.10E-03	1.37E-03	6.54E-03	1.07E-03	8.00E-04
1657	563310.4	4234204	7.84E-03	1.33E-03	6.33E-03	1.04E-03	7.74E-04
1658	563325.2	4234209	7.57E-03	1.28E-03	6.11E-03	1.00E-03	7.47E-04

1659	563340.1	4234214	7.26E-03	1.23E-03	5.86E-03	9.60E-04	7.17E-04
1660	563355	4234219	6.89E-03	1.17E-03	5.56E-03	9.11E-04	6.80E-04
1661	563369.9	4234224	6.51E-03	1.10E-03	5.25E-03	8.60E-04	6.43E-04
1662	563384.8	4234230	6.13E-03	1.04E-03	4.95E-03	8.10E-04	6.05E-04
1663	563399.6	4234235	5.75E-03	9.76E-04	4.64E-03	7.61E-04	5.68E-04
1664	563414.5	4234240	5.39E-03	9.14E-04	4.35E-03	7.13E-04	5.32E-04
1665	563429.4	4234245	5.03E-03	8.54E-04	4.07E-03	6.66E-04	4.97E-04
1666	563269.3	4234148	7.69E-03	1.30E-03	6.21E-03	1.02E-03	7.59E-04
1667	563284.4	4234153	7.52E-03	1.28E-03	6.07E-03	9.94E-04	7.43E-04
1668	563299.6	4234159	7.33E-03	1.24E-03	5.92E-03	9.69E-04	7.24E-04
1669	563314.7	4234164	7.19E-03	1.22E-03	5.80E-03	9.50E-04	7.10E-04
1670	563329.8	4234169	7.00E-03	1.19E-03	5.65E-03	9.26E-04	6.92E-04
1671	563344.9	4234175	6.72E-03	1.14E-03	5.43E-03	8.89E-04	6.64E-04
1672	563360.1	4234180	6.41E-03	1.09E-03	5.17E-03	8.47E-04	6.33E-04
1673	563375.2	4234185	6.08E-03	1.03E-03	4.91E-03	8.05E-04	6.01E-04
1674	563390.3	4234191	5.76E-03	9.77E-04	4.65E-03	7.62E-04	5.69E-04
1675	563405.5	4234196	5.39E-03	9.14E-04	4.35E-03	7.12E-04	5.32E-04
1676	563420.6	4234201	5.04E-03	8.56E-04	4.07E-03	6.67E-04	4.98E-04
1677	563481.1	4234222	3.84E-03	6.52E-04	3.10E-03	5.08E-04	3.80E-04
1678	563272.9	4234108	6.91E-03	1.17E-03	5.58E-03	9.14E-04	6.82E-04
1679	563288.2	4234114	6.80E-03	1.15E-03	5.49E-03	9.00E-04	6.72E-04
1680	563303.6	4234119	6.67E-03	1.13E-03	5.39E-03	8.83E-04	6.59E-04
1681	563318.9	4234124	6.52E-03	1.11E-03	5.26E-03	8.62E-04	6.44E-04
1682	563334.3	4234130	6.33E-03	1.07E-03	5.11E-03	8.37E-04	6.25E-04
1683	563349.6	4234135	6.18E-03	1.05E-03	4.99E-03	8.17E-04	6.10E-04
1684	563365	4234141	5.97E-03	1.01E-03	4.82E-03	7.90E-04	5.90E-04
1685	563380.3	4234146	5.67E-03	9.61E-04	4.57E-03	7.49E-04	5.60E-04
1686	563395.6	4234151	5.38E-03	9.13E-04	4.35E-03	7.12E-04	5.31E-04
1687	563411	4234157	5.05E-03	8.56E-04	4.07E-03	6.67E-04	4.98E-04
1688	563472.4	4234178	3.96E-03	6.72E-04	3.20E-03	5.24E-04	3.91E-04
1689	563487.7	4234184	3.72E-03	6.31E-04	3.00E-03	4.92E-04	3.68E-04
1690	563503.1	4234189	3.53E-03	6.00E-04	2.85E-03	4.67E-04	3.49E-04
1691	563276.2	4234068	6.27E-03	1.06E-03	5.07E-03	8.30E-04	6.20E-04
1692	563291.3	4234074	6.17E-03	1.05E-03	4.98E-03	8.16E-04	6.10E-04
1693	563306.4	4234079	6.06E-03	1.03E-03	4.90E-03	8.02E-04	5.99E-04
1694	563321.5	4234084	5.99E-03	1.02E-03	4.83E-03	7.92E-04	5.91E-04
1695	563336.6	4234090	5.88E-03	9.97E-04	4.74E-03	7.77E-04	5.80E-04
1696	563351.7	4234095	5.68E-03	9.63E-04	4.58E-03	7.51E-04	5.61E-04
1697	563366.9	4234100	5.48E-03	9.30E-04	4.43E-03	7.25E-04	5.41E-04
1698	563382	4234105	5.26E-03	8.92E-04	4.25E-03	6.95E-04	5.19E-04
1699	563397.1	4234111	5.01E-03	8.50E-04	4.05E-03	6.63E-04	4.95E-04
1700	563412.2	4234116	4.78E-03	8.11E-04	3.86E-03	6.32E-04	4.72E-04
1701	563472.6	4234137	3.90E-03	6.62E-04	3.15E-03	5.16E-04	3.85E-04
1702	563487.8	4234143	3.73E-03	6.33E-04	3.01E-03	4.93E-04	3.68E-04
1703	563502.9	4234148	3.55E-03	6.02E-04	2.87E-03	4.69E-04	3.50E-04
1704	563518	4234153	3.37E-03	5.72E-04	2.72E-03	4.46E-04	3.33E-04
1705	563260.5	4234065	6.39E-03	1.08E-03	5.16E-03	8.45E-04	6.31E-04
1706	563279.7	4234029	5.78E-03	9.81E-04	4.67E-03	7.64E-04	5.71E-04
1707	563295	4234034	5.70E-03	9.68E-04	4.61E-03	7.54E-04	5.63E-04
1708	563310.3	4234039	5.63E-03	9.55E-04	4.54E-03	7.44E-04	5.56E-04
1709	563325.6	4234045	5.57E-03	9.46E-04	4.50E-03	7.37E-04	5.51E-04
1710	563340.9	4234050	5.47E-03	9.28E-04	4.41E-03	7.23E-04	5.40E-04

1711	563356.2	4234055	5.30E-03	8.99E-04	4.28E-03	7.01E-04	5.23E-04
1712	563371.5	4234061	5.12E-03	8.68E-04	4.13E-03	6.77E-04	5.05E-04
1713	563386.8	4234066	4.92E-03	8.35E-04	3.98E-03	6.51E-04	4.86E-04
1714	563402.2	4234071	4.72E-03	8.01E-04	3.81E-03	6.25E-04	4.66E-04
1715	563417.5	4234077	4.52E-03	7.67E-04	3.65E-03	5.98E-04	4.47E-04
1716	563463.4	4234093	3.92E-03	6.65E-04	3.16E-03	5.18E-04	3.87E-04
1717	563478.7	4234098	3.72E-03	6.32E-04	3.01E-03	4.92E-04	3.68E-04
1718	563494	4234104	3.56E-03	6.05E-04	2.88E-03	4.71E-04	3.52E-04
1719	563509.3	4234109	3.42E-03	5.81E-04	2.77E-03	4.53E-04	3.38E-04
1720	563524.6	4234114	3.29E-03	5.59E-04	2.66E-03	4.35E-04	3.25E-04
1721	563539.9	4234120	3.17E-03	5.38E-04	2.56E-03	4.19E-04	3.13E-04
1722	563264	4234025	5.86E-03	9.95E-04	4.73E-03	7.75E-04	5.79E-04
1723	563283.1	4233989	5.37E-03	9.12E-04	4.34E-03	7.10E-04	5.31E-04
1724	563298.2	4233994	5.38E-03	9.13E-04	4.34E-03	7.11E-04	5.31E-04
1725	563313.3	4233999	5.33E-03	9.04E-04	4.30E-03	7.05E-04	5.26E-04
1726	563328.4	4234005	5.23E-03	8.88E-04	4.23E-03	6.92E-04	5.17E-04
1727	563343.5	4234010	5.12E-03	8.68E-04	4.13E-03	6.77E-04	5.05E-04
1728	563358.6	4234015	4.98E-03	8.45E-04	4.02E-03	6.59E-04	4.92E-04
1729	563373.7	4234020	4.85E-03	8.23E-04	3.92E-03	6.42E-04	4.79E-04
1730	563388.8	4234026	4.70E-03	7.98E-04	3.80E-03	6.22E-04	4.64E-04
1731	563403.9	4234031	4.55E-03	7.72E-04	3.67E-03	6.02E-04	4.49E-04
1732	563419	4234036	4.43E-03	7.51E-04	3.57E-03	5.85E-04	4.37E-04
1733	563464.3	4234052	3.86E-03	6.54E-04	3.11E-03	5.10E-04	3.81E-04
1734	563479.4	4234058	3.66E-03	6.21E-04	2.96E-03	4.84E-04	3.62E-04
1735	563494.5	4234063	3.50E-03	5.95E-04	2.83E-03	4.63E-04	3.46E-04
1736	563509.6	4234068	3.38E-03	5.73E-04	2.73E-03	4.47E-04	3.33E-04
1737	563524.7	4234073	3.26E-03	5.53E-04	2.63E-03	4.31E-04	3.22E-04
1738	563539.8	4234079	3.15E-03	5.34E-04	2.54E-03	4.17E-04	3.11E-04
1739	563554.9	4234084	3.03E-03	5.14E-04	2.45E-03	4.01E-04	2.99E-04
1740	563570	4234089	2.93E-03	4.97E-04	2.36E-03	3.87E-04	2.89E-04
1741	563267.4	4233985	5.40E-03	9.17E-04	4.36E-03	7.15E-04	5.34E-04
1742	563286.6	4233949	5.05E-03	8.57E-04	4.08E-03	6.68E-04	4.99E-04
1743	563301.9	4233954	5.01E-03	8.51E-04	4.05E-03	6.63E-04	4.95E-04
1744	563317.1	4233960	4.96E-03	8.41E-04	4.00E-03	6.56E-04	4.90E-04
1745	563332.4	4233965	4.88E-03	8.28E-04	3.94E-03	6.46E-04	4.82E-04
1746	563347.7	4233970	4.79E-03	8.12E-04	3.86E-03	6.33E-04	4.73E-04
1747	563362.9	4233976	4.67E-03	7.92E-04	3.77E-03	6.18E-04	4.61E-04
1748	563378.2	4233981	4.55E-03	7.72E-04	3.67E-03	6.01E-04	4.49E-04
1749	563393.5	4233986	4.43E-03	7.52E-04	3.58E-03	5.86E-04	4.38E-04
1750	563408.7	4233992	4.33E-03	7.35E-04	3.50E-03	5.73E-04	4.28E-04
1751	563469.8	4234013	3.74E-03	6.34E-04	3.02E-03	4.95E-04	3.69E-04
1752	563485.1	4234018	3.58E-03	6.08E-04	2.89E-03	4.74E-04	3.54E-04
1753	563500.4	4234024	3.43E-03	5.81E-04	2.77E-03	4.53E-04	3.38E-04
1754	563515.6	4234029	3.27E-03	5.56E-04	2.64E-03	4.33E-04	3.23E-04
1755	563530.9	4234035	3.17E-03	5.38E-04	2.56E-03	4.19E-04	3.13E-04
1756	563546.2	4234040	3.06E-03	5.20E-04	2.47E-03	4.05E-04	3.03E-04
1757	563561.4	4234045	2.92E-03	4.95E-04	2.35E-03	3.86E-04	2.88E-04
1758	563576.7	4234051	2.78E-03	4.72E-04	2.25E-03	3.68E-04	2.75E-04
1759	563592	4234056	2.70E-03	4.58E-04	2.18E-03	3.57E-04	2.67E-04
1760	563270.8	4233945	5.09E-03	8.64E-04	4.11E-03	6.73E-04	5.03E-04
1761	563254.6	4233944	5.10E-03	8.66E-04	4.12E-03	6.75E-04	5.04E-04
1762	563139.7	4234607	1.45E-01	2.45E-02	1.17E-01	1.91E-02	1.43E-02

1763	563130.2	4234606	1.47E-01	2.49E-02	1.18E-01	1.94E-02	1.45E-02
1764	563120.7	4234605	1.46E-01	2.48E-02	1.18E-01	1.93E-02	1.44E-02
1765	563111.2	4234605	1.43E-01	2.43E-02	1.15E-01	1.89E-02	1.41E-02
1766	563101.6	4234604	1.37E-01	2.33E-02	1.11E-01	1.81E-02	1.36E-02
1767	563092.1	4234603	1.29E-01	2.20E-02	1.05E-01	1.71E-02	1.28E-02
1768	563188.2	4234601	9.10E-02	1.54E-02	7.35E-02	1.20E-02	8.99E-03
1769	563178.6	4234600	1.02E-01	1.72E-02	8.20E-02	1.34E-02	1.00E-02
1770	563169.1	4234599	1.11E-01	1.88E-02	8.96E-02	1.47E-02	1.10E-02
1771	563159.6	4234598	1.19E-01	2.02E-02	9.60E-02	1.57E-02	1.17E-02
1772	563150.1	4234598	1.25E-01	2.13E-02	1.01E-01	1.66E-02	1.24E-02
1773	563140.6	4234597	1.30E-01	2.20E-02	1.05E-01	1.72E-02	1.28E-02
1774	563131	4234596	1.32E-01	2.25E-02	1.07E-01	1.75E-02	1.31E-02
1775	563121.5	4234595	1.33E-01	2.26E-02	1.07E-01	1.76E-02	1.31E-02
1776	563112	4234595	1.31E-01	2.23E-02	1.06E-01	1.74E-02	1.30E-02
1777	563102.5	4234594	1.27E-01	2.16E-02	1.03E-01	1.68E-02	1.26E-02
1778	563092.9	4234593	1.22E-01	2.07E-02	9.83E-02	1.61E-02	1.20E-02
1779	563189	4234591	8.06E-02	1.37E-02	6.51E-02	1.07E-02	7.96E-03
1780	563179.5	4234590	9.01E-02	1.53E-02	7.27E-02	1.19E-02	8.89E-03
1781	563169.9	4234589	9.87E-02	1.68E-02	7.97E-02	1.31E-02	9.75E-03
1782	563160.4	4234589	1.06E-01	1.80E-02	8.58E-02	1.41E-02	1.05E-02
1783	563150.9	4234588	1.12E-01	1.91E-02	9.08E-02	1.49E-02	1.11E-02
1784	563141.4	4234587	1.17E-01	1.99E-02	9.46E-02	1.55E-02	1.16E-02
1785	563131.9	4234586	1.20E-01	2.04E-02	9.69E-02	1.59E-02	1.19E-02
1786	563122.3	4234585	1.21E-01	2.06E-02	9.79E-02	1.60E-02	1.20E-02
1787	563112.8	4234585	1.21E-01	2.05E-02	9.75E-02	1.60E-02	1.19E-02
1788	563103.3	4234584	1.18E-01	2.01E-02	9.56E-02	1.57E-02	1.17E-02
1789	563093.8	4234583	1.14E-01	1.94E-02	9.23E-02	1.51E-02	1.13E-02
1790	563189.8	4234581	7.20E-02	1.22E-02	5.82E-02	9.53E-03	7.11E-03
1791	563180.3	4234580	8.04E-02	1.36E-02	6.49E-02	1.06E-02	7.94E-03
1792	563170.8	4234579	8.83E-02	1.50E-02	7.13E-02	1.17E-02	8.72E-03
1793	563161.2	4234579	9.54E-02	1.62E-02	7.70E-02	1.26E-02	9.42E-03
1794	563151.7	4234578	1.01E-01	1.72E-02	8.18E-02	1.34E-02	1.00E-02
1795	563142.2	4234577	1.06E-01	1.80E-02	8.56E-02	1.40E-02	1.05E-02
1796	563132.7	4234576	1.09E-01	1.85E-02	8.82E-02	1.44E-02	1.08E-02
1797	563123.1	4234575	1.11E-01	1.88E-02	8.95E-02	1.47E-02	1.10E-02
1798	563113.6	4234575	1.11E-01	1.89E-02	8.97E-02	1.47E-02	1.10E-02
1799	563104.1	4234574	1.10E-01	1.87E-02	8.88E-02	1.45E-02	1.09E-02
1800	563094.6	4234573	1.07E-01	1.82E-02	8.67E-02	1.42E-02	1.06E-02
1801	563190.6	4234571	6.49E-02	1.10E-02	5.24E-02	8.58E-03	6.41E-03
1802	563181.1	4234570	7.22E-02	1.23E-02	5.83E-02	9.55E-03	7.13E-03
1803	563171.6	4234569	7.91E-02	1.34E-02	6.39E-02	1.05E-02	7.82E-03
1804	563162.1	4234569	8.54E-02	1.45E-02	6.89E-02	1.13E-02	8.43E-03
1805	563152.5	4234568	9.07E-02	1.54E-02	7.32E-02	1.20E-02	8.95E-03
1806	563143	4234567	9.51E-02	1.61E-02	7.68E-02	1.26E-02	9.39E-03
1807	563133.5	4234566	9.84E-02	1.67E-02	7.95E-02	1.30E-02	9.72E-03
1808	563124	4234565	1.00E-01	1.70E-02	8.11E-02	1.33E-02	9.92E-03
1809	563114.4	4234565	1.02E-01	1.73E-02	8.21E-02	1.35E-02	1.00E-02
1810	563104.9	4234564	1.02E-01	1.73E-02	8.22E-02	1.35E-02	1.01E-02
1811	563095.4	4234563	1.01E-01	1.71E-02	8.13E-02	1.33E-02	9.94E-03
1812	563191.4	4234561	5.89E-02	9.99E-03	4.75E-02	7.79E-03	5.82E-03
1813	563181.9	4234560	6.53E-02	1.11E-02	5.27E-02	8.63E-03	6.45E-03
1814	563172.4	4234559	7.12E-02	1.21E-02	5.75E-02	9.41E-03	7.03E-03

1815	563162.9	4234559	7.66E-02	1.30E-02	6.18E-02	1.01E-02	7.56E-03
1816	563153.4	4234558	8.13E-02	1.38E-02	6.56E-02	1.07E-02	8.03E-03
1817	563143.8	4234557	8.56E-02	1.45E-02	6.91E-02	1.13E-02	8.45E-03
1818	563134.3	4234556	8.89E-02	1.51E-02	7.18E-02	1.18E-02	8.78E-03
1819	563124.8	4234555	9.13E-02	1.55E-02	7.37E-02	1.21E-02	9.01E-03
1820	563115.3	4234555	9.32E-02	1.58E-02	7.52E-02	1.23E-02	9.20E-03
1821	563105.7	4234554	9.42E-02	1.60E-02	7.61E-02	1.25E-02	9.31E-03
1822	563096.2	4234553	9.43E-02	1.60E-02	7.61E-02	1.25E-02	9.31E-03
1823	563192.3	4234551	5.38E-02	9.12E-03	4.34E-02	7.11E-03	5.31E-03
1824	563182.7	4234550	5.94E-02	1.01E-02	4.79E-02	7.85E-03	5.86E-03
1825	563173.2	4234549	6.44E-02	1.09E-02	5.20E-02	8.52E-03	6.36E-03
1826	563163.7	4234549	6.91E-02	1.17E-02	5.58E-02	9.13E-03	6.82E-03
1827	563154.2	4234548	7.32E-02	1.24E-02	5.91E-02	9.68E-03	7.23E-03
1828	563144.7	4234547	7.72E-02	1.31E-02	6.24E-02	1.02E-02	7.63E-03
1829	563135.1	4234546	8.06E-02	1.37E-02	6.51E-02	1.07E-02	7.96E-03
1830	563125.6	4234546	8.31E-02	1.41E-02	6.71E-02	1.10E-02	8.21E-03
1831	563116.1	4234545	8.56E-02	1.45E-02	6.91E-02	1.13E-02	8.45E-03
1832	563106.6	4234544	8.73E-02	1.48E-02	7.05E-02	1.16E-02	8.63E-03
1833	563097	4234543	8.83E-02	1.50E-02	7.13E-02	1.17E-02	8.72E-03
1834	563193.1	4234541	4.92E-02	8.34E-03	3.97E-02	6.50E-03	4.86E-03
1835	563183.6	4234540	5.40E-02	9.16E-03	4.36E-02	7.14E-03	5.33E-03
1836	563174	4234539	5.84E-02	9.91E-03	4.72E-02	7.73E-03	5.77E-03
1837	563164.5	4234539	6.27E-02	1.06E-02	5.06E-02	8.29E-03	6.19E-03
1838	563155	4234538	6.67E-02	1.13E-02	5.38E-02	8.82E-03	6.58E-03
1839	563145.5	4234537	7.05E-02	1.20E-02	5.70E-02	9.33E-03	6.97E-03
1840	563136	4234536	7.39E-02	1.25E-02	5.97E-02	9.77E-03	7.30E-03
1841	563126.4	4234536	7.66E-02	1.30E-02	6.19E-02	1.01E-02	7.57E-03
1842	563116.9	4234535	7.92E-02	1.34E-02	6.39E-02	1.05E-02	7.82E-03
1843	563107.4	4234534	8.13E-02	1.38E-02	6.56E-02	1.07E-02	8.03E-03
1844	563097.9	4234533	8.26E-02	1.40E-02	6.67E-02	1.09E-02	8.16E-03
1845	563194.7	4234521	4.15E-02	7.04E-03	3.35E-02	5.49E-03	4.10E-03
1846	563185.2	4234520	4.49E-02	7.61E-03	3.62E-02	5.93E-03	4.43E-03
1847	563175.7	4234520	4.85E-02	8.24E-03	3.92E-02	6.42E-03	4.79E-03
1848	563166.2	4234519	5.23E-02	8.87E-03	4.22E-02	6.91E-03	5.16E-03
1849	563156.6	4234518	5.60E-02	9.49E-03	4.52E-02	7.40E-03	5.53E-03
1850	563147.1	4234517	5.94E-02	1.01E-02	4.80E-02	7.86E-03	5.87E-03
1851	563137.6	4234516	6.26E-02	1.06E-02	5.05E-02	8.28E-03	6.18E-03
1852	563128.1	4234516	6.53E-02	1.11E-02	5.27E-02	8.63E-03	6.45E-03
1853	563118.6	4234515	6.79E-02	1.15E-02	5.48E-02	8.98E-03	6.70E-03
1854	563109	4234514	7.04E-02	1.19E-02	5.68E-02	9.31E-03	6.95E-03
1855	563099.5	4234513	7.23E-02	1.23E-02	5.84E-02	9.57E-03	7.14E-03
1856	563196.4	4234501	3.58E-02	6.07E-03	2.89E-02	4.73E-03	3.53E-03
1857	563186.8	4234500	3.85E-02	6.53E-03	3.11E-02	5.09E-03	3.80E-03
1858	563177.3	4234500	4.14E-02	7.03E-03	3.34E-02	5.48E-03	4.09E-03
1859	563167.8	4234499	4.45E-02	7.55E-03	3.59E-02	5.88E-03	4.39E-03
1860	563158.3	4234498	4.76E-02	8.07E-03	3.84E-02	6.29E-03	4.70E-03
1861	563148.8	4234497	5.04E-02	8.56E-03	4.07E-02	6.67E-03	4.98E-03
1862	563139.2	4234496	5.29E-02	8.98E-03	4.27E-02	7.00E-03	5.23E-03
1863	563129.7	4234496	5.52E-02	9.36E-03	4.45E-02	7.29E-03	5.45E-03
1864	563120.2	4234495	5.75E-02	9.75E-03	4.64E-02	7.60E-03	5.68E-03
1865	563110.7	4234494	6.04E-02	1.02E-02	4.87E-02	7.98E-03	5.96E-03
1866	563101.1	4234493	6.30E-02	1.07E-02	5.09E-02	8.33E-03	6.22E-03

1867	563198	4234481	3.12E-02	5.29E-03	2.52E-02	4.12E-03	3.08E-03
1868	563188.5	4234480	3.34E-02	5.66E-03	2.69E-02	4.41E-03	3.30E-03
1869	563179	4234480	3.57E-02	6.05E-03	2.88E-02	4.72E-03	3.52E-03
1870	563169.4	4234479	3.81E-02	6.47E-03	3.08E-02	5.04E-03	3.76E-03
1871	563159.9	4234478	4.06E-02	6.89E-03	3.28E-02	5.37E-03	4.01E-03
1872	563150.4	4234477	4.30E-02	7.30E-03	3.48E-02	5.69E-03	4.25E-03
1873	563140.9	4234477	4.52E-02	7.67E-03	3.65E-02	5.98E-03	4.47E-03
1874	563131.4	4234476	4.73E-02	8.02E-03	3.82E-02	6.25E-03	4.67E-03
1875	563121.8	4234475	4.94E-02	8.38E-03	3.99E-02	6.53E-03	4.88E-03
1876	563112.3	4234474	5.20E-02	8.83E-03	4.20E-02	6.88E-03	5.14E-03
1877	563102.8	4234473	5.45E-02	9.25E-03	4.40E-02	7.21E-03	5.38E-03
1878	563199.6	4234461	2.75E-02	4.66E-03	2.22E-02	3.63E-03	2.71E-03
1879	563190.1	4234461	2.91E-02	4.93E-03	2.35E-02	3.84E-03	2.87E-03
1880	563180.6	4234460	3.08E-02	5.22E-03	2.49E-02	4.07E-03	3.04E-03
1881	563171.1	4234459	3.27E-02	5.55E-03	2.64E-02	4.33E-03	3.23E-03
1882	563161.6	4234458	3.47E-02	5.89E-03	2.80E-02	4.59E-03	3.43E-03
1883	563152	4234457	3.68E-02	6.25E-03	2.97E-02	4.87E-03	3.64E-03
1884	563142.5	4234457	3.89E-02	6.60E-03	3.14E-02	5.14E-03	3.84E-03
1885	563133	4234456	4.10E-02	6.95E-03	3.31E-02	5.42E-03	4.05E-03
1886	563123.5	4234455	4.30E-02	7.29E-03	3.47E-02	5.68E-03	4.25E-03
1887	563114	4234454	4.52E-02	7.68E-03	3.65E-02	5.98E-03	4.47E-03
1888	563104.4	4234453	4.74E-02	8.04E-03	3.82E-02	6.26E-03	4.68E-03
1889	563201.3	4234441	2.44E-02	4.14E-03	1.97E-02	3.23E-03	2.41E-03
1890	563191.8	4234441	2.57E-02	4.37E-03	2.08E-02	3.40E-03	2.54E-03
1891	563182.2	4234440	2.72E-02	4.61E-03	2.19E-02	3.59E-03	2.68E-03
1892	563172.7	4234439	2.88E-02	4.88E-03	2.32E-02	3.81E-03	2.84E-03
1893	563163.2	4234438	3.05E-02	5.17E-03	2.46E-02	4.03E-03	3.01E-03
1894	563153.7	4234437	3.22E-02	5.47E-03	2.60E-02	4.26E-03	3.18E-03
1895	563144.2	4234437	3.41E-02	5.78E-03	2.75E-02	4.51E-03	3.36E-03
1896	563134.6	4234436	3.59E-02	6.09E-03	2.90E-02	4.75E-03	3.55E-03
1897	563125.1	4234435	3.77E-02	6.40E-03	3.05E-02	4.99E-03	3.73E-03
1898	563115.6	4234434	3.98E-02	6.75E-03	3.21E-02	5.26E-03	3.93E-03
1899	563106.1	4234434	4.18E-02	7.09E-03	3.38E-02	5.53E-03	4.13E-03
1900	563202.9	4234421	2.19E-02	3.71E-03	1.77E-02	2.89E-03	2.16E-03
1901	563193.4	4234421	2.30E-02	3.91E-03	1.86E-02	3.05E-03	2.28E-03
1902	563183.9	4234420	2.43E-02	4.12E-03	1.96E-02	3.21E-03	2.40E-03
1903	563174.4	4234419	2.56E-02	4.35E-03	2.07E-02	3.39E-03	2.53E-03
1904	563164.8	4234418	2.70E-02	4.59E-03	2.18E-02	3.57E-03	2.67E-03
1905	563155.3	4234418	2.85E-02	4.84E-03	2.30E-02	3.77E-03	2.82E-03
1906	563145.8	4234417	3.01E-02	5.11E-03	2.43E-02	3.98E-03	2.97E-03
1907	563136.3	4234416	3.17E-02	5.38E-03	2.56E-02	4.19E-03	3.13E-03
1908	563126.8	4234415	3.33E-02	5.66E-03	2.69E-02	4.41E-03	3.29E-03
1909	563117.2	4234414	3.52E-02	5.96E-03	2.84E-02	4.65E-03	3.47E-03
1910	563107.7	4234414	3.70E-02	6.28E-03	2.99E-02	4.90E-03	3.66E-03
1911	563204.6	4234402	1.99E-02	3.37E-03	1.60E-02	2.63E-03	1.96E-03
1912	563195	4234401	2.08E-02	3.53E-03	1.68E-02	2.75E-03	2.06E-03
1913	563185.5	4234400	2.19E-02	3.71E-03	1.77E-02	2.89E-03	2.16E-03
1914	563176	4234399	2.30E-02	3.90E-03	1.85E-02	3.04E-03	2.27E-03
1915	563166.5	4234398	2.42E-02	4.10E-03	1.95E-02	3.19E-03	2.39E-03
1916	563157	4234398	2.54E-02	4.31E-03	2.05E-02	3.36E-03	2.51E-03
1917	563147.4	4234397	2.68E-02	4.54E-03	2.16E-02	3.54E-03	2.64E-03
1918	563137.9	4234396	2.82E-02	4.78E-03	2.28E-02	3.73E-03	2.78E-03

1919	563128.4	4234395	2.96E-02	5.03E-03	2.39E-02	3.92E-03	2.93E-03
1920	563118.9	4234394	3.12E-02	5.30E-03	2.52E-02	4.13E-03	3.08E-03
1921	563109.4	4234394	3.30E-02	5.59E-03	2.66E-02	4.36E-03	3.25E-03
1922	563206.2	4234382	1.81E-02	3.08E-03	1.46E-02	2.40E-03	1.79E-03
1923	563196.7	4234381	1.89E-02	3.21E-03	1.53E-02	2.51E-03	1.87E-03
1924	563187.2	4234380	1.98E-02	3.36E-03	1.60E-02	2.62E-03	1.96E-03
1925	563177.6	4234379	2.07E-02	3.52E-03	1.67E-02	2.74E-03	2.05E-03
1926	563168.1	4234378	2.17E-02	3.69E-03	1.76E-02	2.88E-03	2.15E-03
1927	563158.6	4234378	2.28E-02	3.87E-03	1.84E-02	3.02E-03	2.25E-03
1928	563149.1	4234377	2.40E-02	4.07E-03	1.94E-02	3.17E-03	2.37E-03
1929	563139.6	4234376	2.52E-02	4.28E-03	2.04E-02	3.33E-03	2.49E-03
1930	563130	4234375	2.65E-02	4.50E-03	2.14E-02	3.50E-03	2.62E-03
1931	563120.5	4234375	2.79E-02	4.73E-03	2.25E-02	3.69E-03	2.75E-03
1932	563111	4234374	2.94E-02	5.00E-03	2.38E-02	3.89E-03	2.91E-03
1933	563207.8	4234362	1.66E-02	2.82E-03	1.34E-02	2.20E-03	1.64E-03
1934	563198.3	4234361	1.73E-02	2.94E-03	1.40E-02	2.29E-03	1.71E-03
1935	563188.8	4234360	1.81E-02	3.06E-03	1.46E-02	2.39E-03	1.78E-03
1936	563179.3	4234359	1.88E-02	3.20E-03	1.52E-02	2.49E-03	1.86E-03
1937	563169.8	4234359	1.97E-02	3.34E-03	1.59E-02	2.61E-03	1.95E-03
1938	563160.2	4234358	2.06E-02	3.50E-03	1.67E-02	2.73E-03	2.04E-03
1939	563150.7	4234357	2.16E-02	3.67E-03	1.75E-02	2.86E-03	2.14E-03
1940	563141.2	4234356	2.27E-02	3.85E-03	1.83E-02	3.00E-03	2.24E-03
1941	563131.7	4234355	2.38E-02	4.04E-03	1.92E-02	3.15E-03	2.35E-03
1942	563122.2	4234355	2.50E-02	4.25E-03	2.02E-02	3.31E-03	2.47E-03
1943	563112.6	4234354	2.64E-02	4.48E-03	2.13E-02	3.49E-03	2.61E-03
1944	563209.5	4234342	1.53E-02	2.60E-03	1.24E-02	2.03E-03	1.52E-03
1945	563200	4234341	1.59E-02	2.70E-03	1.29E-02	2.11E-03	1.57E-03
1946	563190.4	4234340	1.65E-02	2.81E-03	1.34E-02	2.19E-03	1.63E-03
1947	563180.9	4234339	1.72E-02	2.92E-03	1.39E-02	2.28E-03	1.70E-03
1948	563171.4	4234339	1.79E-02	3.05E-03	1.45E-02	2.37E-03	1.77E-03
1949	563161.9	4234338	1.87E-02	3.18E-03	1.51E-02	2.48E-03	1.85E-03
1950	563152.4	4234337	1.96E-02	3.33E-03	1.58E-02	2.59E-03	1.94E-03
1951	563142.8	4234336	2.05E-02	3.48E-03	1.66E-02	2.72E-03	2.03E-03
1952	563133.3	4234335	2.15E-02	3.65E-03	1.74E-02	2.85E-03	2.13E-03
1953	563123.8	4234335	2.26E-02	3.83E-03	1.82E-02	2.98E-03	2.23E-03
1954	563114.3	4234334	2.38E-02	4.04E-03	1.92E-02	3.15E-03	2.35E-03
1955	563212.8	4234302	1.32E-02	2.24E-03	1.07E-02	1.75E-03	1.30E-03
1956	563203.2	4234301	1.36E-02	2.31E-03	1.10E-02	1.80E-03	1.35E-03
1957	563193.7	4234300	1.41E-02	2.39E-03	1.14E-02	1.86E-03	1.39E-03
1958	563184.2	4234299	1.46E-02	2.47E-03	1.18E-02	1.93E-03	1.44E-03
1959	563174.7	4234299	1.51E-02	2.57E-03	1.22E-02	2.00E-03	1.49E-03
1960	563165.2	4234298	1.57E-02	2.67E-03	1.27E-02	2.08E-03	1.55E-03
1961	563155.6	4234297	1.64E-02	2.78E-03	1.32E-02	2.16E-03	1.62E-03
1962	563146.1	4234296	1.71E-02	2.90E-03	1.38E-02	2.26E-03	1.69E-03
1963	563136.6	4234296	1.78E-02	3.03E-03	1.44E-02	2.36E-03	1.76E-03
1964	563127.1	4234295	1.87E-02	3.17E-03	1.51E-02	2.47E-03	1.84E-03
1965	563117.6	4234294	1.96E-02	3.33E-03	1.58E-02	2.59E-03	1.94E-03
1966	563216	4234262	1.15E-02	1.95E-03	9.30E-03	1.52E-03	1.14E-03
1967	563206.5	4234261	1.18E-02	2.01E-03	9.55E-03	1.56E-03	1.17E-03
1968	563197	4234260	1.22E-02	2.06E-03	9.82E-03	1.61E-03	1.20E-03
1969	563187.5	4234260	1.25E-02	2.13E-03	1.01E-02	1.66E-03	1.24E-03
1970	563178	4234259	1.29E-02	2.20E-03	1.05E-02	1.71E-03	1.28E-03

1971	563168.4	4234258	1.34E-02	2.27E-03	1.08E-02	1.77E-03	1.32E-03
1972	563158.9	4234257	1.39E-02	2.36E-03	1.12E-02	1.84E-03	1.37E-03
1973	563149.4	4234256	1.45E-02	2.45E-03	1.17E-02	1.91E-03	1.43E-03
1974	563139.9	4234256	1.51E-02	2.55E-03	1.22E-02	1.99E-03	1.49E-03
1975	563130.4	4234255	1.57E-02	2.66E-03	1.27E-02	2.08E-03	1.55E-03
1976	563120.8	4234254	1.64E-02	2.78E-03	1.32E-02	2.17E-03	1.62E-03
1977	563219.3	4234222	1.03E-02	1.75E-03	8.35E-03	1.37E-03	1.02E-03
1978	563209.8	4234221	1.06E-02	1.79E-03	8.52E-03	1.40E-03	1.04E-03
1979	563200.3	4234221	1.08E-02	1.82E-03	8.68E-03	1.42E-03	1.06E-03
1980	563190.8	4234220	1.10E-02	1.86E-03	8.86E-03	1.45E-03	1.08E-03
1981	563181.2	4234219	1.12E-02	1.91E-03	9.08E-03	1.49E-03	1.11E-03
1982	563171.7	4234218	1.16E-02	1.97E-03	9.36E-03	1.53E-03	1.15E-03
1983	563162.2	4234217	1.20E-02	2.03E-03	9.68E-03	1.59E-03	1.18E-03
1984	563152.7	4234217	1.24E-02	2.11E-03	1.00E-02	1.64E-03	1.23E-03
1985	563143.2	4234216	1.29E-02	2.19E-03	1.04E-02	1.70E-03	1.27E-03
1986	563133.6	4234215	1.34E-02	2.27E-03	1.08E-02	1.77E-03	1.32E-03
1987	563124.1	4234214	1.40E-02	2.37E-03	1.13E-02	1.85E-03	1.38E-03
1988	563222.6	4234182	9.23E-03	1.57E-03	7.45E-03	1.22E-03	9.11E-04
1989	563213.1	4234181	9.41E-03	1.60E-03	7.60E-03	1.24E-03	9.29E-04
1990	563203.6	4234181	9.55E-03	1.62E-03	7.71E-03	1.26E-03	9.43E-04
1991	563194	4234180	9.70E-03	1.65E-03	7.84E-03	1.28E-03	9.58E-04
1992	563184.5	4234179	9.89E-03	1.68E-03	7.98E-03	1.31E-03	9.76E-04
1993	563175	4234178	1.02E-02	1.72E-03	8.20E-03	1.34E-03	1.00E-03
1994	563165.5	4234178	1.05E-02	1.78E-03	8.45E-03	1.38E-03	1.03E-03
1995	563156	4234177	1.08E-02	1.83E-03	8.72E-03	1.43E-03	1.07E-03
1996	563146.4	4234176	1.12E-02	1.90E-03	9.03E-03	1.48E-03	1.10E-03
1997	563136.9	4234175	1.16E-02	1.97E-03	9.36E-03	1.53E-03	1.14E-03
1998	563127.4	4234174	1.20E-02	2.04E-03	9.72E-03	1.59E-03	1.19E-03
1999	563225.9	4234142	8.22E-03	1.39E-03	6.63E-03	1.09E-03	8.12E-04
2000	563216.4	4234142	8.33E-03	1.41E-03	6.73E-03	1.10E-03	8.23E-04
2001	563206.8	4234141	8.46E-03	1.44E-03	6.83E-03	1.12E-03	8.36E-04
2002	563197.3	4234140	8.61E-03	1.46E-03	6.95E-03	1.14E-03	8.50E-04
2003	563187.8	4234139	8.78E-03	1.49E-03	7.09E-03	1.16E-03	8.67E-04
2004	563178.3	4234138	8.99E-03	1.52E-03	7.25E-03	1.19E-03	8.87E-04
2005	563168.8	4234138	9.23E-03	1.57E-03	7.45E-03	1.22E-03	9.12E-04
2006	563159.2	4234137	9.51E-03	1.61E-03	7.67E-03	1.26E-03	9.39E-04
2007	563149.7	4234136	9.81E-03	1.66E-03	7.92E-03	1.30E-03	9.69E-04
2008	563140.2	4234135	1.01E-02	1.72E-03	8.19E-03	1.34E-03	1.00E-03
2009	563130.7	4234135	1.05E-02	1.78E-03	8.48E-03	1.39E-03	1.04E-03
2010	563229.2	4234103	7.32E-03	1.24E-03	5.91E-03	9.68E-04	7.23E-04
2011	563219.6	4234102	7.42E-03	1.26E-03	5.99E-03	9.82E-04	7.33E-04
2012	563210.1	4234101	7.54E-03	1.28E-03	6.09E-03	9.98E-04	7.45E-04
2013	563200.6	4234100	7.69E-03	1.30E-03	6.21E-03	1.02E-03	7.59E-04
2014	563191.1	4234099	7.84E-03	1.33E-03	6.33E-03	1.04E-03	7.75E-04
2015	563181.6	4234099	8.02E-03	1.36E-03	6.48E-03	1.06E-03	7.92E-04
2016	563172	4234098	8.22E-03	1.39E-03	6.64E-03	1.09E-03	8.12E-04
2017	563162.5	4234097	8.44E-03	1.43E-03	6.82E-03	1.12E-03	8.34E-04
2018	563153	4234096	8.69E-03	1.47E-03	7.01E-03	1.15E-03	8.58E-04
2019	563143.5	4234095	8.96E-03	1.52E-03	7.23E-03	1.18E-03	8.85E-04
2020	563134	4234095	9.25E-03	1.57E-03	7.47E-03	1.22E-03	9.14E-04
2021	563232.5	4234063	6.63E-03	1.13E-03	5.36E-03	8.77E-04	6.55E-04
2022	563222.9	4234062	6.73E-03	1.14E-03	5.43E-03	8.90E-04	6.64E-04

2023	563213.4	4234061	6.83E-03	1.16E-03	5.51E-03	9.03E-04	6.74E-04
2024	563203.9	4234060	6.94E-03	1.18E-03	5.60E-03	9.18E-04	6.86E-04
2025	563194.4	4234060	7.07E-03	1.20E-03	5.71E-03	9.35E-04	6.98E-04
2026	563184.8	4234059	7.21E-03	1.22E-03	5.82E-03	9.54E-04	7.12E-04
2027	563175.3	4234058	7.38E-03	1.25E-03	5.95E-03	9.75E-04	7.28E-04
2028	563165.8	4234057	7.56E-03	1.28E-03	6.10E-03	9.99E-04	7.46E-04
2029	563156.3	4234056	7.76E-03	1.32E-03	6.26E-03	1.03E-03	7.66E-04
2030	563146.8	4234056	7.98E-03	1.35E-03	6.44E-03	1.06E-03	7.88E-04
2031	563137.2	4234055	8.23E-03	1.40E-03	6.64E-03	1.09E-03	8.12E-04
2032	563226.2	4234022	6.13E-03	1.04E-03	4.95E-03	8.11E-04	6.06E-04
2033	563216.7	4234021	6.22E-03	1.05E-03	5.02E-03	8.22E-04	6.14E-04
2034	563207.2	4234020	6.31E-03	1.07E-03	5.09E-03	8.34E-04	6.23E-04
2035	563197.6	4234020	6.41E-03	1.09E-03	5.18E-03	8.48E-04	6.33E-04
2036	563188.1	4234019	6.53E-03	1.11E-03	5.27E-03	8.64E-04	6.45E-04
2037	563178.6	4234018	6.66E-03	1.13E-03	5.38E-03	8.81E-04	6.58E-04
2038	563169.1	4234017	6.81E-03	1.16E-03	5.50E-03	9.01E-04	6.73E-04
2039	563159.6	4234017	6.98E-03	1.18E-03	5.64E-03	9.23E-04	6.90E-04
2040	563150	4234016	7.17E-03	1.22E-03	5.79E-03	9.48E-04	7.08E-04
2041	563140.5	4234015	7.37E-03	1.25E-03	5.95E-03	9.75E-04	7.28E-04
2042	563229.5	4233982	5.62E-03	9.54E-04	4.54E-03	7.44E-04	5.55E-04
2043	563220	4233981	5.69E-03	9.65E-04	4.59E-03	7.52E-04	5.62E-04
2044	563210.5	4233981	5.77E-03	9.78E-04	4.66E-03	7.62E-04	5.69E-04
2045	563200.9	4233980	5.85E-03	9.93E-04	4.72E-03	7.74E-04	5.78E-04
2046	563191.4	4233979	5.95E-03	1.01E-03	4.80E-03	7.87E-04	5.87E-04
2047	563181.9	4233978	6.06E-03	1.03E-03	4.89E-03	8.01E-04	5.98E-04
2048	563172.4	4233977	6.18E-03	1.05E-03	4.99E-03	8.18E-04	6.11E-04
2049	563162.8	4233977	6.32E-03	1.07E-03	5.11E-03	8.36E-04	6.24E-04
2050	563153.3	4233976	6.48E-03	1.10E-03	5.23E-03	8.57E-04	6.40E-04
2051	563143.8	4233975	6.65E-03	1.13E-03	5.37E-03	8.79E-04	6.57E-04
2052	563232.8	4233942	5.18E-03	8.79E-04	4.18E-03	6.85E-04	5.11E-04
2053	563223.3	4233941	5.23E-03	8.88E-04	4.22E-03	6.92E-04	5.17E-04
2054	563213.7	4233941	5.29E-03	8.98E-04	4.28E-03	7.00E-04	5.23E-04
2055	563204.2	4233940	5.37E-03	9.10E-04	4.33E-03	7.10E-04	5.30E-04
2056	563194.7	4233939	5.45E-03	9.24E-04	4.40E-03	7.20E-04	5.38E-04
2057	563185.2	4233938	5.54E-03	9.40E-04	4.47E-03	7.33E-04	5.47E-04
2058	563175.6	4233938	5.64E-03	9.58E-04	4.56E-03	7.46E-04	5.57E-04
2059	563166.1	4233937	5.76E-03	9.78E-04	4.65E-03	7.62E-04	5.69E-04
2060	563156.6	4233936	5.89E-03	1.00E-03	4.76E-03	7.79E-04	5.82E-04
2061	563147.1	4233935	6.04E-03	1.02E-03	4.87E-03	7.98E-04	5.96E-04
2062	563078.9	4234641	1.41E-01	2.40E-02	1.14E-01	1.87E-02	1.40E-02
2063	563078.1	4234651	1.46E-01	2.47E-02	1.18E-01	1.92E-02	1.44E-02
2064	563077.3	4234660	1.49E-01	2.52E-02	1.20E-01	1.96E-02	1.47E-02
2065	563076.5	4234669	1.50E-01	2.54E-02	1.21E-01	1.98E-02	1.48E-02
2066	563075.7	4234679	1.49E-01	2.53E-02	1.20E-01	1.97E-02	1.47E-02
2067	563074.9	4234688	1.47E-01	2.50E-02	1.19E-01	1.95E-02	1.46E-02
2068	563074.1	4234697	1.45E-01	2.47E-02	1.17E-01	1.92E-02	1.44E-02
2069	563073.3	4234707	1.44E-01	2.44E-02	1.16E-01	1.90E-02	1.42E-02
2070	563072.5	4234716	1.41E-01	2.40E-02	1.14E-01	1.87E-02	1.40E-02
2071	563071.7	4234725	1.39E-01	2.35E-02	1.12E-01	1.83E-02	1.37E-02
2072	563070.9	4234734	1.37E-01	2.32E-02	1.10E-01	1.81E-02	1.35E-02
2073	563070.1	4234744	1.35E-01	2.28E-02	1.09E-01	1.78E-02	1.33E-02
2074	563068.9	4234640	1.26E-01	2.14E-02	1.02E-01	1.67E-02	1.25E-02

2075	563068.1	4234650	1.29E-01	2.19E-02	1.04E-01	1.71E-02	1.28E-02
2076	563067.3	4234659	1.32E-01	2.23E-02	1.06E-01	1.74E-02	1.30E-02
2077	563066.5	4234668	1.33E-01	2.25E-02	1.07E-01	1.75E-02	1.31E-02
2078	563065.8	4234678	1.31E-01	2.22E-02	1.06E-01	1.73E-02	1.29E-02
2079	563065	4234687	1.29E-01	2.19E-02	1.04E-01	1.71E-02	1.28E-02
2080	563064.2	4234696	1.27E-01	2.15E-02	1.02E-01	1.68E-02	1.25E-02
2081	563063.4	4234706	1.24E-01	2.10E-02	1.00E-01	1.64E-02	1.22E-02
2082	563062.6	4234715	1.21E-01	2.05E-02	9.76E-02	1.60E-02	1.19E-02
2083	563061.8	4234724	1.18E-01	1.99E-02	9.49E-02	1.55E-02	1.16E-02
2084	563061	4234734	1.15E-01	1.96E-02	9.32E-02	1.53E-02	1.14E-02
2085	563060.2	4234743	1.14E-01	1.93E-02	9.18E-02	1.50E-02	1.12E-02
2086	563059	4234640	1.13E-01	1.92E-02	9.12E-02	1.49E-02	1.12E-02
2087	563058.2	4234649	1.15E-01	1.96E-02	9.31E-02	1.52E-02	1.14E-02
2088	563057.4	4234658	1.17E-01	1.98E-02	9.43E-02	1.54E-02	1.15E-02
2089	563056.6	4234668	1.18E-01	1.99E-02	9.49E-02	1.55E-02	1.16E-02
2090	563055.8	4234677	1.16E-01	1.97E-02	9.36E-02	1.53E-02	1.14E-02
2091	563055	4234686	1.14E-01	1.93E-02	9.19E-02	1.51E-02	1.12E-02
2092	563054.2	4234696	1.11E-01	1.89E-02	8.99E-02	1.47E-02	1.10E-02
2093	563053.4	4234705	1.08E-01	1.84E-02	8.76E-02	1.43E-02	1.07E-02
2094	563052.6	4234714	1.05E-01	1.79E-02	8.51E-02	1.39E-02	1.04E-02
2095	563051.8	4234723	1.02E-01	1.73E-02	8.24E-02	1.35E-02	1.01E-02
2096	563051	4234733	9.97E-02	1.69E-02	8.05E-02	1.32E-02	9.85E-03
2097	563050.2	4234742	9.78E-02	1.66E-02	7.90E-02	1.29E-02	9.66E-03
2098	563071.1	4234600	1.09E-01	1.85E-02	8.82E-02	1.44E-02	1.08E-02
2099	563049	4234639	1.01E-01	1.72E-02	8.18E-02	1.34E-02	1.00E-02
2100	563048.2	4234648	1.03E-01	1.75E-02	8.32E-02	1.36E-02	1.02E-02
2101	563047.4	4234657	1.04E-01	1.77E-02	8.41E-02	1.38E-02	1.03E-02
2102	563046.6	4234667	1.05E-01	1.77E-02	8.44E-02	1.38E-02	1.03E-02
2103	563045.8	4234676	1.03E-01	1.75E-02	8.31E-02	1.36E-02	1.02E-02
2104	563045	4234685	1.01E-01	1.71E-02	8.14E-02	1.33E-02	9.95E-03
2105	563044.2	4234695	9.83E-02	1.67E-02	7.93E-02	1.30E-02	9.70E-03
2106	563043.4	4234704	9.55E-02	1.62E-02	7.71E-02	1.26E-02	9.43E-03
2107	563042.6	4234713	9.25E-02	1.57E-02	7.47E-02	1.22E-02	9.14E-03
2108	563041.8	4234723	8.93E-02	1.52E-02	7.21E-02	1.18E-02	8.82E-03
2109	563041	4234732	8.69E-02	1.47E-02	7.02E-02	1.15E-02	8.58E-03
2110	563040.2	4234741	8.50E-02	1.44E-02	6.87E-02	1.12E-02	8.40E-03
2111	563064.7	4234592	1.00E-01	1.71E-02	8.11E-02	1.33E-02	9.93E-03
2112	563079.2	4234588	1.09E-01	1.85E-02	8.81E-02	1.44E-02	1.08E-02
2113	563039	4234638	9.11E-02	1.55E-02	7.36E-02	1.21E-02	9.00E-03
2114	563038.3	4234647	9.23E-02	1.57E-02	7.46E-02	1.22E-02	9.12E-03
2115	563037.5	4234657	9.30E-02	1.58E-02	7.51E-02	1.23E-02	9.19E-03
2116	563036.7	4234666	9.33E-02	1.58E-02	7.53E-02	1.23E-02	9.21E-03
2117	563035.9	4234675	9.17E-02	1.56E-02	7.40E-02	1.21E-02	9.05E-03
2118	563035.1	4234684	8.96E-02	1.52E-02	7.23E-02	1.18E-02	8.85E-03
2119	563034.3	4234694	8.72E-02	1.48E-02	7.04E-02	1.15E-02	8.61E-03
2120	563033.5	4234703	8.46E-02	1.44E-02	6.83E-02	1.12E-02	8.35E-03
2121	563032.7	4234712	8.18E-02	1.39E-02	6.60E-02	1.08E-02	8.08E-03
2122	563031.9	4234722	7.88E-02	1.34E-02	6.37E-02	1.04E-02	7.79E-03
2123	563031.1	4234731	7.64E-02	1.30E-02	6.17E-02	1.01E-02	7.55E-03
2124	563030.3	4234740	7.45E-02	1.26E-02	6.02E-02	9.85E-03	7.36E-03
2125	563046.7	4234595	8.77E-02	1.49E-02	7.08E-02	1.16E-02	8.67E-03
2126	563059.7	4234584	9.37E-02	1.59E-02	7.57E-02	1.24E-02	9.26E-03

2127	563068.4	4234581	9.87E-02	1.67E-02	7.97E-02	1.30E-02	9.75E-03
2128	563077.1	4234579	1.03E-01	1.75E-02	8.31E-02	1.36E-02	1.02E-02
2129	563085.9	4234576	1.06E-01	1.80E-02	8.55E-02	1.40E-02	1.05E-02
2130	563029.1	4234637	8.21E-02	1.39E-02	6.63E-02	1.09E-02	8.11E-03
2131	563028.3	4234646	8.30E-02	1.41E-02	6.70E-02	1.10E-02	8.19E-03
2132	563027.5	4234656	8.34E-02	1.42E-02	6.73E-02	1.10E-02	8.24E-03
2133	563026.7	4234665	8.35E-02	1.42E-02	6.74E-02	1.10E-02	8.24E-03
2134	563025.9	4234674	8.20E-02	1.39E-02	6.62E-02	1.08E-02	8.10E-03
2135	563025.1	4234684	8.00E-02	1.36E-02	6.46E-02	1.06E-02	7.90E-03
2136	563024.3	4234693	7.78E-02	1.32E-02	6.28E-02	1.03E-02	7.69E-03
2137	563023.5	4234702	7.54E-02	1.28E-02	6.09E-02	9.97E-03	7.45E-03
2138	563022.7	4234712	7.28E-02	1.24E-02	5.88E-02	9.63E-03	7.19E-03
2139	563021.9	4234721	7.02E-02	1.19E-02	5.67E-02	9.28E-03	6.93E-03
2140	563021.1	4234730	6.78E-02	1.15E-02	5.47E-02	8.96E-03	6.69E-03
2141	563020.3	4234740	6.57E-02	1.11E-02	5.30E-02	8.68E-03	6.49E-03
2142	563036.3	4234595	8.03E-02	1.36E-02	6.49E-02	1.06E-02	7.93E-03
2143	563053	4234577	8.68E-02	1.47E-02	7.01E-02	1.15E-02	8.57E-03
2144	563069.9	4234571	9.53E-02	1.62E-02	7.69E-02	1.26E-02	9.41E-03
2145	563019.1	4234636	7.41E-02	1.26E-02	5.99E-02	9.81E-03	7.32E-03
2146	563018.3	4234646	7.48E-02	1.27E-02	6.04E-02	9.89E-03	7.38E-03
2147	563017.5	4234655	7.50E-02	1.27E-02	6.06E-02	9.92E-03	7.41E-03
2148	563016.7	4234664	7.50E-02	1.27E-02	6.05E-02	9.91E-03	7.40E-03
2149	563015.9	4234673	7.37E-02	1.25E-02	5.95E-02	9.74E-03	7.28E-03
2150	563015.1	4234683	7.19E-02	1.22E-02	5.80E-02	9.50E-03	7.10E-03
2151	563014.3	4234692	6.98E-02	1.19E-02	5.64E-02	9.24E-03	6.90E-03
2152	563013.5	4234701	6.77E-02	1.15E-02	5.46E-02	8.95E-03	6.68E-03
2153	563012.7	4234711	6.54E-02	1.11E-02	5.28E-02	8.65E-03	6.46E-03
2154	563011.9	4234720	6.30E-02	1.07E-02	5.09E-02	8.33E-03	6.22E-03
2155	563011.1	4234729	6.07E-02	1.03E-02	4.90E-02	8.03E-03	6.00E-03
2156	563010.4	4234739	5.85E-02	9.93E-03	4.73E-02	7.74E-03	5.78E-03
2157	563030	4234587	7.46E-02	1.27E-02	6.02E-02	9.86E-03	7.37E-03
2158	563046.3	4234569	8.07E-02	1.37E-02	6.52E-02	1.07E-02	7.97E-03
2159	563063	4234564	8.86E-02	1.50E-02	7.15E-02	1.17E-02	8.75E-03
2160	563079.6	4234558	9.38E-02	1.59E-02	7.57E-02	1.24E-02	9.26E-03
2161	563009.2	4234635	6.72E-02	1.14E-02	5.43E-02	8.89E-03	6.64E-03
2162	563008.4	4234645	6.76E-02	1.15E-02	5.46E-02	8.94E-03	6.67E-03
2163	563007.6	4234654	6.77E-02	1.15E-02	5.47E-02	8.96E-03	6.69E-03
2164	563006.8	4234663	6.76E-02	1.15E-02	5.46E-02	8.94E-03	6.68E-03
2165	563006	4234673	6.65E-02	1.13E-02	5.37E-02	8.80E-03	6.57E-03
2166	563005.2	4234682	6.49E-02	1.10E-02	5.24E-02	8.58E-03	6.41E-03
2167	563004.4	4234691	6.31E-02	1.07E-02	5.09E-02	8.34E-03	6.23E-03
2168	563003.6	4234701	6.11E-02	1.04E-02	4.94E-02	8.08E-03	6.04E-03
2169	563002.8	4234710	5.91E-02	1.00E-02	4.77E-02	7.82E-03	5.84E-03
2170	563002	4234719	5.71E-02	9.68E-03	4.61E-02	7.55E-03	5.63E-03
2171	563001.2	4234729	5.50E-02	9.33E-03	4.44E-02	7.27E-03	5.43E-03
2172	563000.4	4234738	5.29E-02	8.98E-03	4.27E-02	7.00E-03	5.22E-03
2173	563019.7	4234587	6.84E-02	1.16E-02	5.52E-02	9.04E-03	6.75E-03
2174	563027.6	4234572	7.04E-02	1.20E-02	5.69E-02	9.31E-03	6.96E-03
2175	563039.8	4234561	7.53E-02	1.28E-02	6.08E-02	9.96E-03	7.44E-03
2176	563056.1	4234556	8.27E-02	1.40E-02	6.68E-02	1.09E-02	8.16E-03
2177	563072.5	4234551	8.79E-02	1.49E-02	7.10E-02	1.16E-02	8.68E-03
2178	562999.2	4234634	6.12E-02	1.04E-02	4.94E-02	8.09E-03	6.04E-03

2179	562998.4	4234644	6.12E-02	1.04E-02	4.94E-02	8.10E-03	6.05E-03
2180	562997.6	4234653	6.11E-02	1.04E-02	4.93E-02	8.08E-03	6.03E-03
2181	562996.8	4234662	6.07E-02	1.03E-02	4.90E-02	8.02E-03	5.99E-03
2182	562996	4234672	5.98E-02	1.01E-02	4.82E-02	7.90E-03	5.90E-03
2183	562995.2	4234681	5.85E-02	9.93E-03	4.72E-02	7.74E-03	5.78E-03
2184	562994.4	4234690	5.71E-02	9.70E-03	4.61E-02	7.56E-03	5.64E-03
2185	562993.6	4234700	5.56E-02	9.44E-03	4.49E-02	7.35E-03	5.49E-03
2186	562992.8	4234709	5.38E-02	9.14E-03	4.35E-02	7.12E-03	5.32E-03
2187	562992	4234718	5.20E-02	8.83E-03	4.20E-02	6.88E-03	5.14E-03
2188	562991.2	4234728	5.02E-02	8.53E-03	4.06E-02	6.64E-03	4.96E-03
2189	562990.4	4234737	4.84E-02	8.22E-03	3.91E-02	6.41E-03	4.78E-03
2190	563009.5	4234587	6.27E-02	1.06E-02	5.07E-02	8.30E-03	6.20E-03
2191	563017.3	4234572	6.48E-02	1.10E-02	5.24E-02	8.57E-03	6.40E-03
2192	563033.2	4234554	7.05E-02	1.20E-02	5.69E-02	9.32E-03	6.96E-03
2193	563049.4	4234549	7.74E-02	1.31E-02	6.25E-02	1.02E-02	7.64E-03
2194	563065.5	4234544	8.25E-02	1.40E-02	6.66E-02	1.09E-02	8.15E-03
2195	563081.7	4234538	8.47E-02	1.44E-02	6.84E-02	1.12E-02	8.36E-03
2196	562989.2	4234634	5.58E-02	9.47E-03	4.51E-02	7.38E-03	5.51E-03
2197	562988.4	4234643	5.56E-02	9.44E-03	4.49E-02	7.36E-03	5.49E-03
2198	562987.6	4234652	5.52E-02	9.37E-03	4.46E-02	7.30E-03	5.46E-03
2199	562986.8	4234662	5.46E-02	9.26E-03	4.41E-02	7.22E-03	5.39E-03
2200	562986	4234671	5.38E-02	9.13E-03	4.34E-02	7.11E-03	5.31E-03
2201	562985.2	4234680	5.30E-02	8.99E-03	4.28E-02	7.00E-03	5.23E-03
2202	562984.4	4234690	5.20E-02	8.83E-03	4.20E-02	6.88E-03	5.14E-03
2203	562983.6	4234699	5.09E-02	8.64E-03	4.11E-02	6.73E-03	5.03E-03
2204	562982.9	4234708	4.94E-02	8.38E-03	3.99E-02	6.53E-03	4.88E-03
2205	562982.1	4234718	4.78E-02	8.11E-03	3.86E-02	6.32E-03	4.72E-03
2206	562981.3	4234727	4.62E-02	7.85E-03	3.73E-02	6.12E-03	4.57E-03
2207	562980.5	4234736	4.47E-02	7.58E-03	3.61E-02	5.91E-03	4.41E-03
2208	562991.2	4234582	5.35E-02	9.07E-03	4.32E-02	7.07E-03	5.28E-03
2209	562995.4	4234574	5.45E-02	9.25E-03	4.40E-02	7.21E-03	5.39E-03
2210	562999.6	4234566	5.56E-02	9.44E-03	4.49E-02	7.36E-03	5.49E-03
2211	563003.8	4234557	5.67E-02	9.63E-03	4.58E-02	7.50E-03	5.60E-03
2212	563008	4234549	5.79E-02	9.82E-03	4.67E-02	7.65E-03	5.71E-03
2213	563020.9	4234538	6.24E-02	1.06E-02	5.04E-02	8.26E-03	6.17E-03
2214	563029.7	4234536	6.59E-02	1.12E-02	5.32E-02	8.71E-03	6.50E-03
2215	563038.4	4234533	6.91E-02	1.17E-02	5.58E-02	9.13E-03	6.82E-03
2216	563047.1	4234530	7.19E-02	1.22E-02	5.80E-02	9.50E-03	7.10E-03
2217	563055.9	4234527	7.41E-02	1.26E-02	5.98E-02	9.80E-03	7.32E-03
2218	563064.6	4234524	7.56E-02	1.28E-02	6.10E-02	1.00E-02	7.47E-03
2219	563073.3	4234522	7.63E-02	1.29E-02	6.16E-02	1.01E-02	7.53E-03
2220	563082	4234519	7.60E-02	1.29E-02	6.14E-02	1.01E-02	7.51E-03
2221	563090.8	4234516	7.49E-02	1.27E-02	6.05E-02	9.90E-03	7.40E-03
2222	562969.3	4234632	4.71E-02	7.99E-03	3.80E-02	6.22E-03	4.65E-03
2223	562968.5	4234641	4.67E-02	7.92E-03	3.77E-02	6.17E-03	4.61E-03
2224	562967.7	4234651	4.61E-02	7.83E-03	3.72E-02	6.10E-03	4.56E-03
2225	562966.9	4234660	4.54E-02	7.71E-03	3.67E-02	6.01E-03	4.49E-03
2226	562966.1	4234669	4.47E-02	7.59E-03	3.61E-02	5.91E-03	4.42E-03
2227	562965.3	4234679	4.42E-02	7.50E-03	3.57E-02	5.85E-03	4.37E-03
2228	562964.5	4234688	4.36E-02	7.39E-03	3.52E-02	5.76E-03	4.30E-03
2229	562963.7	4234697	4.28E-02	7.26E-03	3.46E-02	5.66E-03	4.23E-03
2230	562962.9	4234706	4.16E-02	7.06E-03	3.36E-02	5.50E-03	4.11E-03

2231	562962.1	4234716	4.04E-02	6.85E-03	3.26E-02	5.34E-03	3.99E-03
2232	562961.3	4234725	3.92E-02	6.64E-03	3.16E-02	5.18E-03	3.87E-03
2233	562960.5	4234734	3.79E-02	6.43E-03	3.06E-02	5.01E-03	3.74E-03
2234	562966.5	4234589	4.45E-02	7.54E-03	3.59E-02	5.88E-03	4.39E-03
2235	563007.8	4234523	5.55E-02	9.41E-03	4.48E-02	7.34E-03	5.48E-03
2236	563024.8	4234518	6.13E-02	1.04E-02	4.95E-02	8.11E-03	6.05E-03
2237	563033.2	4234515	6.39E-02	1.08E-02	5.16E-02	8.45E-03	6.31E-03
2238	563050.2	4234510	6.78E-02	1.15E-02	5.47E-02	8.96E-03	6.69E-03
2239	563067.2	4234504	6.93E-02	1.18E-02	5.59E-02	9.16E-03	6.84E-03
2240	563084.2	4234499	6.79E-02	1.15E-02	5.48E-02	8.98E-03	6.71E-03
2241	562949.4	4234630	4.03E-02	6.84E-03	3.26E-02	5.33E-03	3.98E-03
2242	562948.6	4234640	4.01E-02	6.80E-03	3.23E-02	5.30E-03	3.96E-03
2243	562947.8	4234649	3.97E-02	6.73E-03	3.20E-02	5.25E-03	3.92E-03
2244	562947	4234658	3.91E-02	6.64E-03	3.16E-02	5.18E-03	3.87E-03
2245	562946.2	4234668	3.85E-02	6.54E-03	3.11E-02	5.10E-03	3.81E-03
2246	562945.4	4234677	3.79E-02	6.43E-03	3.06E-02	5.01E-03	3.74E-03
2247	562944.6	4234686	3.71E-02	6.30E-03	3.00E-02	4.91E-03	3.67E-03
2248	562943.8	4234695	3.63E-02	6.16E-03	2.93E-02	4.80E-03	3.58E-03
2249	562943	4234705	3.54E-02	6.01E-03	2.86E-02	4.69E-03	3.50E-03
2250	562942.2	4234714	3.45E-02	5.86E-03	2.79E-02	4.57E-03	3.41E-03
2251	562941.4	4234723	3.36E-02	5.70E-03	2.71E-02	4.44E-03	3.32E-03
2252	562940.6	4234733	3.26E-02	5.54E-03	2.63E-02	4.32E-03	3.22E-03
2253	562950.3	4234580	3.89E-02	6.60E-03	3.14E-02	5.15E-03	3.84E-03
2254	562958.3	4234565	4.04E-02	6.85E-03	3.26E-02	5.34E-03	3.99E-03
2255	562966.3	4234549	4.20E-02	7.13E-03	3.39E-02	5.56E-03	4.15E-03
2256	562994.7	4234508	4.96E-02	8.42E-03	4.01E-02	6.56E-03	4.90E-03
2257	563011.3	4234503	5.48E-02	9.30E-03	4.42E-02	7.25E-03	5.41E-03
2258	563028	4234497	5.92E-02	1.01E-02	4.78E-02	7.83E-03	5.85E-03
2259	563044.6	4234492	6.23E-02	1.06E-02	5.03E-02	8.23E-03	6.15E-03
2260	563061.2	4234487	6.33E-02	1.07E-02	5.11E-02	8.37E-03	6.25E-03
2261	563077.8	4234481	6.18E-02	1.05E-02	4.99E-02	8.17E-03	6.10E-03
2262	562929.5	4234629	3.51E-02	5.96E-03	2.84E-02	4.65E-03	3.47E-03
2263	562928.7	4234638	3.50E-02	5.93E-03	2.82E-02	4.62E-03	3.45E-03
2264	562927.9	4234647	3.47E-02	5.89E-03	2.80E-02	4.59E-03	3.43E-03
2265	562927.1	4234656	3.43E-02	5.83E-03	2.77E-02	4.54E-03	3.39E-03
2266	562926.3	4234666	3.39E-02	5.75E-03	2.74E-02	4.48E-03	3.35E-03
2267	562925.5	4234675	3.34E-02	5.67E-03	2.70E-02	4.42E-03	3.30E-03
2268	562924.7	4234684	3.28E-02	5.57E-03	2.65E-02	4.34E-03	3.24E-03
2269	562923.9	4234694	3.22E-02	5.46E-03	2.60E-02	4.26E-03	3.18E-03
2270	562923.1	4234703	3.15E-02	5.35E-03	2.55E-02	4.17E-03	3.11E-03
2271	562922.3	4234712	3.08E-02	5.23E-03	2.49E-02	4.07E-03	3.04E-03
2272	562921.5	4234722	3.00E-02	5.10E-03	2.42E-02	3.97E-03	2.97E-03
2273	562920.7	4234731	2.92E-02	4.95E-03	2.36E-02	3.86E-03	2.88E-03
2274	562914.5	4234609	3.17E-02	5.37E-03	2.56E-02	4.19E-03	3.13E-03
2275	562918.7	4234601	3.22E-02	5.47E-03	2.60E-02	4.26E-03	3.18E-03
2276	562923	4234593	3.28E-02	5.57E-03	2.65E-02	4.34E-03	3.24E-03
2277	562927.2	4234585	3.34E-02	5.66E-03	2.70E-02	4.41E-03	3.30E-03
2278	562931.4	4234577	3.40E-02	5.76E-03	2.74E-02	4.49E-03	3.35E-03
2279	562935.6	4234569	3.45E-02	5.86E-03	2.79E-02	4.57E-03	3.41E-03
2280	562939.8	4234561	3.52E-02	5.97E-03	2.84E-02	4.65E-03	3.47E-03
2281	562944	4234552	3.58E-02	6.08E-03	2.89E-02	4.74E-03	3.54E-03
2282	562948.2	4234544	3.66E-02	6.21E-03	2.95E-02	4.84E-03	3.61E-03

2283	562952.4	4234536	3.74E-02	6.35E-03	3.02E-02	4.95E-03	3.69E-03
2284	562956.6	4234528	3.83E-02	6.50E-03	3.09E-02	5.07E-03	3.78E-03
2285	562960.8	4234520	3.93E-02	6.67E-03	3.17E-02	5.20E-03	3.88E-03
2286	562965.1	4234512	4.03E-02	6.83E-03	3.25E-02	5.32E-03	3.98E-03
2287	562969.3	4234504	4.13E-02	7.00E-03	3.33E-02	5.46E-03	4.08E-03
2288	562999.7	4234487	4.97E-02	8.44E-03	4.01E-02	6.58E-03	4.91E-03
2289	563008.4	4234484	5.19E-02	8.80E-03	4.19E-02	6.86E-03	5.12E-03
2290	563017.1	4234481	5.38E-02	9.13E-03	4.35E-02	7.12E-03	5.32E-03
2291	563025.9	4234479	5.56E-02	9.43E-03	4.49E-02	7.35E-03	5.49E-03
2292	563034.6	4234476	5.70E-02	9.67E-03	4.60E-02	7.54E-03	5.63E-03
2293	563043.3	4234473	5.78E-02	9.81E-03	4.67E-02	7.65E-03	5.71E-03
2294	563052	4234470	5.81E-02	9.86E-03	4.69E-02	7.69E-03	5.74E-03
2295	563060.8	4234467	5.79E-02	9.82E-03	4.67E-02	7.65E-03	5.72E-03
2296	563069.5	4234465	5.68E-02	9.64E-03	4.59E-02	7.52E-03	5.61E-03
2297	563078.2	4234462	5.51E-02	9.35E-03	4.45E-02	7.28E-03	5.44E-03
2298	563087	4234459	5.28E-02	8.96E-03	4.26E-02	6.98E-03	5.22E-03
2299	563095.7	4234456	5.01E-02	8.51E-03	4.05E-02	6.63E-03	4.95E-03
2300	562910.3	4234618	3.11E-02	5.27E-03	2.51E-02	4.11E-03	3.07E-03
2301	562909.5	4234627	3.11E-02	5.27E-03	2.51E-02	4.11E-03	3.07E-03
2302	562908.7	4234636	3.10E-02	5.26E-03	2.50E-02	4.10E-03	3.06E-03
2303	562907.9	4234645	3.08E-02	5.23E-03	2.49E-02	4.07E-03	3.04E-03
2304	562907.1	4234655	3.06E-02	5.19E-03	2.47E-02	4.04E-03	3.02E-03
2305	562906.3	4234664	3.03E-02	5.13E-03	2.44E-02	4.00E-03	2.99E-03
2306	562905.5	4234673	2.99E-02	5.07E-03	2.41E-02	3.95E-03	2.95E-03
2307	562904.7	4234683	2.94E-02	5.00E-03	2.38E-02	3.89E-03	2.91E-03
2308	562903.9	4234692	2.90E-02	4.91E-03	2.34E-02	3.83E-03	2.86E-03
2309	562903.1	4234701	2.84E-02	4.82E-03	2.29E-02	3.76E-03	2.80E-03
2310	562902.3	4234711	2.78E-02	4.71E-03	2.24E-02	3.67E-03	2.74E-03
2311	562901.5	4234720	2.71E-02	4.60E-03	2.19E-02	3.58E-03	2.68E-03
2312	562900.8	4234729	2.63E-02	4.47E-03	2.13E-02	3.48E-03	2.60E-03
2313	562894.5	4234608	2.82E-02	4.78E-03	2.28E-02	3.73E-03	2.78E-03
2314	562898.6	4234600	2.86E-02	4.85E-03	2.31E-02	3.78E-03	2.83E-03
2315	562902.8	4234592	2.90E-02	4.92E-03	2.34E-02	3.84E-03	2.86E-03
2316	562906.9	4234584	2.94E-02	4.99E-03	2.37E-02	3.89E-03	2.90E-03
2317	562911	4234576	2.98E-02	5.06E-03	2.41E-02	3.94E-03	2.94E-03
2318	562915.2	4234568	3.02E-02	5.13E-03	2.44E-02	4.00E-03	2.98E-03
2319	562919.3	4234560	3.07E-02	5.20E-03	2.48E-02	4.05E-03	3.03E-03
2320	562923.4	4234552	3.11E-02	5.28E-03	2.51E-02	4.12E-03	3.08E-03
2321	562927.5	4234544	3.17E-02	5.38E-03	2.56E-02	4.19E-03	3.13E-03
2322	562931.7	4234536	3.23E-02	5.48E-03	2.61E-02	4.27E-03	3.19E-03
2323	562935.8	4234528	3.30E-02	5.60E-03	2.66E-02	4.36E-03	3.26E-03
2324	562939.9	4234520	3.38E-02	5.73E-03	2.73E-02	4.47E-03	3.34E-03
2325	562944.1	4234512	3.45E-02	5.85E-03	2.78E-02	4.56E-03	3.41E-03
2326	562948.2	4234504	3.52E-02	5.97E-03	2.84E-02	4.65E-03	3.47E-03
2327	562952.3	4234496	3.60E-02	6.10E-03	2.90E-02	4.76E-03	3.55E-03
2328	562956.4	4234488	3.68E-02	6.25E-03	2.98E-02	4.87E-03	3.64E-03
2329	562969.1	4234477	4.01E-02	6.80E-03	3.24E-02	5.30E-03	3.96E-03
2330	562994.8	4234469	4.61E-02	7.83E-03	3.73E-02	6.10E-03	4.56E-03
2331	563011.9	4234464	4.96E-02	8.42E-03	4.01E-02	6.56E-03	4.90E-03
2332	563029	4234458	5.26E-02	8.93E-03	4.25E-02	6.96E-03	5.20E-03
2333	563046.2	4234453	5.34E-02	9.07E-03	4.31E-02	7.07E-03	5.28E-03
2334	563063.3	4234447	5.21E-02	8.84E-03	4.21E-02	6.89E-03	5.15E-03

2335	563080.4	4234442	4.87E-02	8.27E-03	3.93E-02	6.44E-03	4.81E-03
2336	563097.5	4234436	4.44E-02	7.53E-03	3.58E-02	5.87E-03	4.38E-03
2337	562890.4	4234616	2.78E-02	4.71E-03	2.24E-02	3.67E-03	2.74E-03
2338	562889.6	4234625	2.78E-02	4.72E-03	2.25E-02	3.68E-03	2.75E-03
2339	562888.8	4234634	2.78E-02	4.72E-03	2.25E-02	3.68E-03	2.75E-03
2340	562888	4234644	2.77E-02	4.70E-03	2.24E-02	3.67E-03	2.74E-03
2341	562887.2	4234653	2.76E-02	4.68E-03	2.23E-02	3.64E-03	2.72E-03
2342	562886.4	4234662	2.73E-02	4.64E-03	2.21E-02	3.62E-03	2.70E-03
2343	562885.6	4234672	2.70E-02	4.59E-03	2.18E-02	3.58E-03	2.67E-03
2344	562884.8	4234681	2.67E-02	4.53E-03	2.16E-02	3.53E-03	2.64E-03
2345	562884	4234690	2.63E-02	4.46E-03	2.12E-02	3.48E-03	2.60E-03
2346	562883.2	4234700	2.58E-02	4.38E-03	2.08E-02	3.41E-03	2.55E-03
2347	562882.4	4234709	2.52E-02	4.28E-03	2.04E-02	3.34E-03	2.49E-03
2348	562881.6	4234718	2.45E-02	4.16E-03	1.98E-02	3.24E-03	2.42E-03
2349	562880.8	4234728	2.37E-02	4.02E-03	1.91E-02	3.13E-03	2.34E-03
2350	562874.8	4234606	2.54E-02	4.32E-03	2.05E-02	3.36E-03	2.51E-03
2351	562879	4234598	2.57E-02	4.37E-03	2.08E-02	3.40E-03	2.54E-03
2352	562883.3	4234589	2.60E-02	4.41E-03	2.10E-02	3.44E-03	2.57E-03
2353	562887.6	4234581	2.63E-02	4.46E-03	2.12E-02	3.48E-03	2.60E-03
2354	562891.9	4234573	2.66E-02	4.51E-03	2.15E-02	3.51E-03	2.62E-03
2355	562896.2	4234564	2.69E-02	4.56E-03	2.17E-02	3.55E-03	2.65E-03
2356	562900.5	4234556	2.72E-02	4.62E-03	2.20E-02	3.60E-03	2.69E-03
2357	562904.8	4234548	2.76E-02	4.68E-03	2.23E-02	3.65E-03	2.72E-03
2358	562909.1	4234539	2.80E-02	4.75E-03	2.26E-02	3.70E-03	2.76E-03
2359	562913.4	4234531	2.85E-02	4.83E-03	2.30E-02	3.77E-03	2.81E-03
2360	562917.6	4234523	2.91E-02	4.93E-03	2.35E-02	3.84E-03	2.87E-03
2361	562921.9	4234515	2.97E-02	5.03E-03	2.40E-02	3.92E-03	2.93E-03
2362	562926.2	4234506	3.02E-02	5.12E-03	2.44E-02	3.99E-03	2.98E-03
2363	562930.5	4234498	3.07E-02	5.22E-03	2.48E-02	4.07E-03	3.04E-03
2364	562934.8	4234490	3.14E-02	5.32E-03	2.53E-02	4.15E-03	3.10E-03
2365	562939.1	4234481	3.22E-02	5.46E-03	2.60E-02	4.25E-03	3.18E-03
2366	562943.4	4234473	3.31E-02	5.61E-03	2.67E-02	4.37E-03	3.27E-03
2367	562956.6	4234462	3.60E-02	6.12E-03	2.91E-02	4.77E-03	3.56E-03
2368	562965.4	4234459	3.80E-02	6.45E-03	3.07E-02	5.03E-03	3.75E-03
2369	562992.1	4234451	4.35E-02	7.38E-03	3.51E-02	5.75E-03	4.30E-03
2370	563001	4234448	4.50E-02	7.64E-03	3.64E-02	5.96E-03	4.45E-03
2371	563009.9	4234445	4.65E-02	7.89E-03	3.76E-02	6.15E-03	4.59E-03
2372	563018.8	4234442	4.77E-02	8.10E-03	3.85E-02	6.31E-03	4.71E-03
2373	563027.7	4234439	4.85E-02	8.22E-03	3.91E-02	6.41E-03	4.79E-03
2374	563036.6	4234436	4.87E-02	8.26E-03	3.93E-02	6.44E-03	4.81E-03
2375	563045.5	4234434	4.84E-02	8.21E-03	3.91E-02	6.40E-03	4.78E-03
2376	563054.4	4234431	4.77E-02	8.09E-03	3.85E-02	6.31E-03	4.71E-03
2377	563063.3	4234428	4.66E-02	7.91E-03	3.76E-02	6.16E-03	4.60E-03
2378	563072.1	4234425	4.52E-02	7.67E-03	3.65E-02	5.98E-03	4.47E-03
2379	563081	4234422	4.36E-02	7.40E-03	3.52E-02	5.77E-03	4.31E-03
2380	563089.9	4234419	4.17E-02	7.08E-03	3.37E-02	5.52E-03	4.12E-03
2381	563098.8	4234416	3.95E-02	6.70E-03	3.19E-02	5.22E-03	3.90E-03
2382	562870.5	4234614	2.51E-02	4.26E-03	2.03E-02	3.32E-03	2.48E-03
2383	562869.7	4234623	2.52E-02	4.28E-03	2.04E-02	3.33E-03	2.49E-03
2384	562868.9	4234633	2.52E-02	4.28E-03	2.04E-02	3.34E-03	2.49E-03
2385	562868.1	4234642	2.52E-02	4.28E-03	2.03E-02	3.33E-03	2.49E-03
2386	562867.3	4234651	2.51E-02	4.26E-03	2.03E-02	3.32E-03	2.48E-03

2387	562866.5	4234661	2.49E-02	4.23E-03	2.01E-02	3.30E-03	2.46E-03
2388	562865.7	4234670	2.47E-02	4.19E-03	1.99E-02	3.27E-03	2.44E-03
2389	562864.9	4234679	2.44E-02	4.14E-03	1.97E-02	3.23E-03	2.41E-03
2390	562864.1	4234689	2.41E-02	4.08E-03	1.94E-02	3.18E-03	2.38E-03
2391	562863.3	4234698	2.35E-02	3.99E-03	1.90E-02	3.11E-03	2.32E-03
2392	562862.5	4234707	2.25E-02	3.82E-03	1.82E-02	2.98E-03	2.22E-03
2393	562861.7	4234717	2.15E-02	3.64E-03	1.73E-02	2.84E-03	2.12E-03
2394	562860.9	4234726	2.04E-02	3.46E-03	1.65E-02	2.69E-03	2.01E-03
2395	562854.7	4234604	2.32E-02	3.93E-03	1.87E-02	3.06E-03	2.29E-03
2396	562859	4234596	2.34E-02	3.96E-03	1.89E-02	3.09E-03	2.31E-03
2397	562863.2	4234588	2.35E-02	3.99E-03	1.90E-02	3.11E-03	2.32E-03
2398	562867.4	4234580	2.37E-02	4.02E-03	1.91E-02	3.14E-03	2.34E-03
2399	562871.6	4234572	2.39E-02	4.05E-03	1.93E-02	3.16E-03	2.36E-03
2400	562875.8	4234564	2.41E-02	4.09E-03	1.94E-02	3.18E-03	2.38E-03
2401	562880	4234555	2.43E-02	4.12E-03	1.96E-02	3.21E-03	2.40E-03
2402	562884.2	4234547	2.45E-02	4.16E-03	1.98E-02	3.24E-03	2.42E-03
2403	562888.4	4234539	2.48E-02	4.20E-03	2.00E-02	3.28E-03	2.45E-03
2404	562892.6	4234531	2.51E-02	4.26E-03	2.03E-02	3.32E-03	2.48E-03
2405	562896.9	4234523	2.55E-02	4.33E-03	2.06E-02	3.37E-03	2.52E-03
2406	562901.1	4234515	2.59E-02	4.40E-03	2.09E-02	3.43E-03	2.56E-03
2407	562905.3	4234507	2.63E-02	4.46E-03	2.12E-02	3.47E-03	2.59E-03
2408	562909.5	4234498	2.67E-02	4.53E-03	2.15E-02	3.53E-03	2.63E-03
2409	562913.7	4234490	2.72E-02	4.61E-03	2.19E-02	3.59E-03	2.68E-03
2410	562917.9	4234482	2.78E-02	4.72E-03	2.25E-02	3.68E-03	2.75E-03
2411	562922.1	4234474	2.86E-02	4.86E-03	2.31E-02	3.79E-03	2.83E-03
2412	562926.3	4234466	2.95E-02	5.00E-03	2.38E-02	3.90E-03	2.91E-03
2413	562930.5	4234458	3.03E-02	5.14E-03	2.45E-02	4.01E-03	2.99E-03
2414	562943.5	4234447	3.29E-02	5.58E-03	2.65E-02	4.35E-03	3.25E-03
2415	562952.2	4234444	3.46E-02	5.88E-03	2.80E-02	4.58E-03	3.42E-03
2416	562960.9	4234441	3.64E-02	6.18E-03	2.94E-02	4.81E-03	3.59E-03
2417	562987.1	4234433	4.12E-02	6.98E-03	3.32E-02	5.44E-03	4.07E-03
2418	562995.9	4234430	4.24E-02	7.20E-03	3.43E-02	5.61E-03	4.19E-03
2419	563004.6	4234427	4.35E-02	7.38E-03	3.51E-02	5.75E-03	4.30E-03
2420	563013.3	4234424	4.43E-02	7.51E-03	3.57E-02	5.85E-03	4.37E-03
2421	563022.1	4234422	4.47E-02	7.59E-03	3.61E-02	5.92E-03	4.42E-03
2422	563030.8	4234419	4.49E-02	7.62E-03	3.62E-02	5.94E-03	4.43E-03
2423	563039.5	4234416	4.47E-02	7.58E-03	3.61E-02	5.91E-03	4.41E-03
2424	563048.2	4234413	4.42E-02	7.49E-03	3.57E-02	5.84E-03	4.36E-03
2425	563057	4234410	4.33E-02	7.35E-03	3.50E-02	5.73E-03	4.28E-03
2426	563065.7	4234408	4.21E-02	7.15E-03	3.40E-02	5.57E-03	4.16E-03
2427	563074.4	4234405	4.07E-02	6.91E-03	3.29E-02	5.38E-03	4.02E-03
2428	563083.2	4234402	3.91E-02	6.63E-03	3.16E-02	5.17E-03	3.86E-03
2429	563091.9	4234399	3.73E-02	6.33E-03	3.01E-02	4.93E-03	3.68E-03
2430	563100.6	4234396	3.52E-02	5.96E-03	2.84E-02	4.65E-03	3.47E-03
2431	562850.5	4234612	2.29E-02	3.89E-03	1.85E-02	3.03E-03	2.27E-03
2432	562849.7	4234622	2.31E-02	3.91E-03	1.86E-02	3.05E-03	2.28E-03
2433	562848.9	4234631	2.31E-02	3.92E-03	1.87E-02	3.06E-03	2.28E-03
2434	562848.1	4234640	2.30E-02	3.91E-03	1.86E-02	3.05E-03	2.28E-03
2435	562847.3	4234650	2.28E-02	3.87E-03	1.84E-02	3.02E-03	2.25E-03
2436	562846.6	4234659	2.25E-02	3.82E-03	1.82E-02	2.98E-03	2.22E-03
2437	562845.8	4234668	2.21E-02	3.75E-03	1.79E-02	2.93E-03	2.19E-03
2438	562845	4234678	2.18E-02	3.70E-03	1.76E-02	2.89E-03	2.15E-03

2439	562844.2	4234687	2.14E-02	3.64E-03	1.73E-02	2.84E-03	2.12E-03
2440	562843.4	4234696	2.10E-02	3.56E-03	1.70E-02	2.78E-03	2.07E-03
2441	562842.6	4234706	2.01E-02	3.42E-03	1.63E-02	2.66E-03	1.99E-03
2442	562841.8	4234715	1.93E-02	3.27E-03	1.56E-02	2.55E-03	1.90E-03
2443	562841	4234724	1.84E-02	3.13E-03	1.49E-02	2.44E-03	1.82E-03
2444	562834.8	4234603	2.13E-02	3.61E-03	1.72E-02	2.81E-03	2.10E-03
2445	562838.9	4234595	2.14E-02	3.63E-03	1.73E-02	2.83E-03	2.11E-03
2446	562843.1	4234587	2.15E-02	3.65E-03	1.74E-02	2.85E-03	2.12E-03
2447	562847.2	4234579	2.16E-02	3.67E-03	1.75E-02	2.86E-03	2.13E-03
2448	562851.3	4234571	2.17E-02	3.68E-03	1.75E-02	2.87E-03	2.14E-03
2449	562855.5	4234563	2.18E-02	3.70E-03	1.76E-02	2.89E-03	2.15E-03
2450	562859.6	4234555	2.19E-02	3.72E-03	1.77E-02	2.90E-03	2.17E-03
2451	562863.8	4234547	2.21E-02	3.74E-03	1.78E-02	2.92E-03	2.18E-03
2452	562867.9	4234539	2.22E-02	3.77E-03	1.79E-02	2.94E-03	2.19E-03
2453	562872.1	4234530	2.24E-02	3.80E-03	1.81E-02	2.96E-03	2.21E-03
2454	562876.2	4234522	2.26E-02	3.84E-03	1.83E-02	2.99E-03	2.24E-03
2455	562880.4	4234514	2.29E-02	3.89E-03	1.85E-02	3.03E-03	2.26E-03
2456	562884.5	4234506	2.31E-02	3.92E-03	1.87E-02	3.06E-03	2.28E-03
2457	562888.7	4234498	2.34E-02	3.97E-03	1.89E-02	3.09E-03	2.31E-03
2458	562892.8	4234490	2.37E-02	4.03E-03	1.92E-02	3.14E-03	2.34E-03
2459	562897	4234482	2.42E-02	4.11E-03	1.96E-02	3.20E-03	2.39E-03
2460	562901.1	4234474	2.49E-02	4.22E-03	2.01E-02	3.29E-03	2.46E-03
2461	562905.3	4234466	2.56E-02	4.34E-03	2.07E-02	3.38E-03	2.53E-03
2462	562909.4	4234458	2.63E-02	4.47E-03	2.13E-02	3.48E-03	2.60E-03
2463	562913.5	4234450	2.71E-02	4.60E-03	2.19E-02	3.58E-03	2.68E-03
2464	562917.7	4234442	2.79E-02	4.73E-03	2.25E-02	3.69E-03	2.75E-03
2465	562930.4	4234432	3.02E-02	5.12E-03	2.44E-02	3.99E-03	2.98E-03
2466	562947.6	4234426	3.33E-02	5.66E-03	2.69E-02	4.41E-03	3.29E-03
2467	562982	4234415	3.90E-02	6.61E-03	3.15E-02	5.15E-03	3.85E-03
2468	562999.2	4234410	4.09E-02	6.94E-03	3.30E-02	5.41E-03	4.04E-03
2469	563007.8	4234407	4.15E-02	7.04E-03	3.35E-02	5.49E-03	4.10E-03
2470	563025	4234401	4.19E-02	7.11E-03	3.39E-02	5.54E-03	4.14E-03
2471	563042.2	4234396	4.12E-02	6.99E-03	3.33E-02	5.45E-03	4.07E-03
2472	563059.4	4234390	3.94E-02	6.68E-03	3.18E-02	5.21E-03	3.89E-03
2473	563076.6	4234385	3.67E-02	6.22E-03	2.96E-02	4.85E-03	3.62E-03
2474	563093.8	4234379	3.34E-02	5.67E-03	2.70E-02	4.42E-03	3.30E-03
2475	562830.6	4234611	2.11E-02	3.59E-03	1.71E-02	2.80E-03	2.09E-03
2476	562829.8	4234620	2.13E-02	3.61E-03	1.72E-02	2.81E-03	2.10E-03
2477	562829	4234629	2.13E-02	3.62E-03	1.72E-02	2.82E-03	2.11E-03
2478	562828.2	4234639	2.12E-02	3.60E-03	1.71E-02	2.80E-03	2.09E-03
2479	562827.4	4234648	2.06E-02	3.50E-03	1.66E-02	2.72E-03	2.03E-03
2480	562826.6	4234657	2.00E-02	3.39E-03	1.61E-02	2.64E-03	1.97E-03
2481	562825.8	4234667	1.93E-02	3.28E-03	1.56E-02	2.56E-03	1.91E-03
2482	562825	4234676	1.91E-02	3.24E-03	1.54E-02	2.52E-03	1.88E-03
2483	562824.2	4234685	1.88E-02	3.18E-03	1.52E-02	2.48E-03	1.85E-03
2484	562823.4	4234695	1.84E-02	3.12E-03	1.49E-02	2.43E-03	1.82E-03
2485	562822.6	4234704	1.80E-02	3.05E-03	1.45E-02	2.38E-03	1.78E-03
2486	562821.8	4234713	1.76E-02	2.98E-03	1.42E-02	2.32E-03	1.73E-03
2487	562821	4234722	1.71E-02	2.90E-03	1.38E-02	2.26E-03	1.69E-03
2488	562815	4234601	1.93E-02	3.27E-03	1.56E-02	2.55E-03	1.90E-03
2489	562819.2	4234592	1.96E-02	3.33E-03	1.59E-02	2.60E-03	1.94E-03
2490	562823.5	4234584	1.98E-02	3.37E-03	1.60E-02	2.62E-03	1.96E-03

2491	562827.8	4234576	1.99E-02	3.38E-03	1.61E-02	2.63E-03	1.96E-03
2492	562832	4234568	1.99E-02	3.38E-03	1.61E-02	2.64E-03	1.97E-03
2493	562836.3	4234559	2.00E-02	3.39E-03	1.61E-02	2.64E-03	1.97E-03
2494	562840.6	4234551	2.00E-02	3.40E-03	1.62E-02	2.65E-03	1.98E-03
2495	562844.9	4234543	2.01E-02	3.41E-03	1.62E-02	2.65E-03	1.98E-03
2496	562849.1	4234535	2.01E-02	3.42E-03	1.63E-02	2.66E-03	1.99E-03
2497	562853.4	4234526	2.03E-02	3.44E-03	1.64E-02	2.68E-03	2.00E-03
2498	562857.7	4234518	2.04E-02	3.47E-03	1.65E-02	2.70E-03	2.02E-03
2499	562861.9	4234510	2.05E-02	3.49E-03	1.66E-02	2.72E-03	2.03E-03
2500	562866.2	4234502	2.07E-02	3.51E-03	1.67E-02	2.73E-03	2.04E-03
2501	562870.5	4234493	2.09E-02	3.54E-03	1.68E-02	2.76E-03	2.06E-03
2502	562874.8	4234485	2.11E-02	3.59E-03	1.71E-02	2.80E-03	2.09E-03
2503	562879	4234477	2.16E-02	3.67E-03	1.75E-02	2.86E-03	2.14E-03
2504	562883.3	4234469	2.22E-02	3.77E-03	1.79E-02	2.94E-03	2.19E-03
2505	562887.6	4234460	2.28E-02	3.88E-03	1.84E-02	3.02E-03	2.26E-03
2506	562891.8	4234452	2.35E-02	3.99E-03	1.90E-02	3.11E-03	2.32E-03
2507	562896.1	4234444	2.42E-02	4.11E-03	1.96E-02	3.21E-03	2.39E-03
2508	562900.4	4234436	2.50E-02	4.24E-03	2.02E-02	3.30E-03	2.47E-03
2509	562904.7	4234427	2.57E-02	4.36E-03	2.07E-02	3.40E-03	2.54E-03
2510	562917.8	4234416	2.79E-02	4.73E-03	2.25E-02	3.69E-03	2.75E-03
2511	562926.6	4234413	2.94E-02	4.98E-03	2.37E-02	3.88E-03	2.90E-03
2512	562935.5	4234410	3.08E-02	5.23E-03	2.49E-02	4.08E-03	3.05E-03
2513	562944.4	4234408	3.23E-02	5.48E-03	2.61E-02	4.27E-03	3.19E-03
2514	562953.2	4234405	3.37E-02	5.72E-03	2.72E-02	4.46E-03	3.33E-03
2515	562979.8	4234396	3.73E-02	6.32E-03	3.01E-02	4.93E-03	3.68E-03
2516	562988.6	4234393	3.81E-02	6.47E-03	3.08E-02	5.04E-03	3.76E-03
2517	562997.5	4234391	3.88E-02	6.58E-03	3.13E-02	5.12E-03	3.83E-03
2518	563006.4	4234388	3.92E-02	6.64E-03	3.16E-02	5.18E-03	3.87E-03
2519	563015.2	4234385	3.93E-02	6.67E-03	3.17E-02	5.20E-03	3.88E-03
2520	563024.1	4234382	3.92E-02	6.65E-03	3.16E-02	5.18E-03	3.87E-03
2521	563032.9	4234379	3.88E-02	6.58E-03	3.13E-02	5.13E-03	3.83E-03
2522	563041.8	4234376	3.81E-02	6.46E-03	3.08E-02	5.04E-03	3.76E-03
2523	563050.6	4234374	3.72E-02	6.31E-03	3.00E-02	4.92E-03	3.67E-03
2524	563059.5	4234371	3.61E-02	6.12E-03	2.91E-02	4.77E-03	3.56E-03
2525	563068.4	4234368	3.48E-02	5.90E-03	2.81E-02	4.60E-03	3.43E-03
2526	563077.2	4234365	3.33E-02	5.65E-03	2.69E-02	4.40E-03	3.29E-03
2527	563086.1	4234362	3.17E-02	5.39E-03	2.56E-02	4.20E-03	3.14E-03
2528	563094.9	4234359	3.01E-02	5.11E-03	2.43E-02	3.98E-03	2.97E-03
2529	563103.8	4234357	2.82E-02	4.79E-03	2.28E-02	3.73E-03	2.79E-03
2530	562810.7	4234609	1.88E-02	3.20E-03	1.52E-02	2.49E-03	1.86E-03
2531	562809.9	4234618	1.89E-02	3.21E-03	1.53E-02	2.50E-03	1.87E-03
2532	562809.1	4234628	1.89E-02	3.21E-03	1.53E-02	2.50E-03	1.87E-03
2533	562808.3	4234637	1.89E-02	3.21E-03	1.53E-02	2.50E-03	1.87E-03
2534	562807.5	4234646	1.86E-02	3.15E-03	1.50E-02	2.46E-03	1.84E-03
2535	562806.7	4234656	1.83E-02	3.10E-03	1.47E-02	2.41E-03	1.80E-03
2536	562805.9	4234665	1.79E-02	3.04E-03	1.45E-02	2.37E-03	1.77E-03
2537	562805.1	4234674	1.77E-02	3.00E-03	1.43E-02	2.34E-03	1.75E-03
2538	562804.3	4234684	1.74E-02	2.96E-03	1.41E-02	2.30E-03	1.72E-03
2539	562803.5	4234693	1.71E-02	2.90E-03	1.38E-02	2.26E-03	1.69E-03
2540	562802.7	4234702	1.69E-02	2.86E-03	1.36E-02	2.23E-03	1.67E-03
2541	562801.9	4234711	1.67E-02	2.84E-03	1.35E-02	2.21E-03	1.65E-03
2542	562801.1	4234721	1.65E-02	2.81E-03	1.34E-02	2.19E-03	1.63E-03

2543	562795	4234599	1.72E-02	2.92E-03	1.39E-02	2.28E-03	1.70E-03
2544	562799.2	4234591	1.77E-02	3.01E-03	1.43E-02	2.35E-03	1.75E-03
2545	562803.4	4234583	1.82E-02	3.08E-03	1.47E-02	2.40E-03	1.79E-03
2546	562807.6	4234575	1.84E-02	3.12E-03	1.49E-02	2.44E-03	1.82E-03
2547	562811.8	4234567	1.84E-02	3.12E-03	1.48E-02	2.43E-03	1.81E-03
2548	562816	4234558	1.83E-02	3.11E-03	1.48E-02	2.43E-03	1.81E-03
2549	562820.2	4234550	1.84E-02	3.12E-03	1.48E-02	2.43E-03	1.81E-03
2550	562824.4	4234542	1.84E-02	3.12E-03	1.48E-02	2.43E-03	1.81E-03
2551	562828.7	4234534	1.83E-02	3.10E-03	1.48E-02	2.42E-03	1.80E-03
2552	562832.9	4234526	1.82E-02	3.10E-03	1.47E-02	2.41E-03	1.80E-03
2553	562837.1	4234518	1.83E-02	3.10E-03	1.48E-02	2.42E-03	1.81E-03
2554	562841.3	4234510	1.84E-02	3.12E-03	1.48E-02	2.43E-03	1.82E-03
2555	562845.5	4234501	1.85E-02	3.14E-03	1.49E-02	2.45E-03	1.83E-03
2556	562849.7	4234493	1.86E-02	3.16E-03	1.50E-02	2.46E-03	1.84E-03
2557	562853.9	4234485	1.88E-02	3.19E-03	1.52E-02	2.49E-03	1.86E-03
2558	562858.1	4234477	1.92E-02	3.25E-03	1.55E-02	2.53E-03	1.89E-03
2559	562862.3	4234469	1.96E-02	3.32E-03	1.58E-02	2.59E-03	1.93E-03
2560	562866.5	4234461	2.01E-02	3.41E-03	1.62E-02	2.65E-03	1.98E-03
2561	562870.8	4234453	2.06E-02	3.50E-03	1.66E-02	2.73E-03	2.04E-03
2562	562875	4234444	2.12E-02	3.60E-03	1.71E-02	2.80E-03	2.09E-03
2563	562879.2	4234436	2.18E-02	3.70E-03	1.76E-02	2.89E-03	2.16E-03
2564	562883.4	4234428	2.25E-02	3.81E-03	1.81E-02	2.97E-03	2.22E-03
2565	562887.6	4234420	2.31E-02	3.93E-03	1.87E-02	3.06E-03	2.29E-03
2566	562891.8	4234412	2.38E-02	4.04E-03	1.92E-02	3.15E-03	2.35E-03
2567	562904.8	4234401	2.58E-02	4.37E-03	2.08E-02	3.41E-03	2.54E-03
2568	562913.5	4234398	2.71E-02	4.60E-03	2.19E-02	3.58E-03	2.68E-03
2569	562922.2	4234395	2.84E-02	4.82E-03	2.30E-02	3.76E-03	2.81E-03
2570	562930.9	4234393	2.98E-02	5.05E-03	2.40E-02	3.93E-03	2.94E-03
2571	562939.7	4234390	3.10E-02	5.27E-03	2.51E-02	4.10E-03	3.07E-03
2572	562948.4	4234387	3.23E-02	5.47E-03	2.61E-02	4.27E-03	3.19E-03
2573	562957.1	4234384	3.34E-02	5.67E-03	2.70E-02	4.42E-03	3.30E-03
2574	562983.3	4234376	3.60E-02	6.11E-03	2.91E-02	4.76E-03	3.56E-03
2575	562992.1	4234373	3.65E-02	6.20E-03	2.95E-02	4.83E-03	3.61E-03
2576	563000.8	4234370	3.68E-02	6.25E-03	2.97E-02	4.87E-03	3.64E-03
2577	563009.5	4234367	3.69E-02	6.26E-03	2.98E-02	4.88E-03	3.65E-03
2578	563018.2	4234365	3.68E-02	6.24E-03	2.97E-02	4.86E-03	3.63E-03
2579	563027	4234362	3.64E-02	6.17E-03	2.94E-02	4.81E-03	3.59E-03
2580	563035.7	4234359	3.58E-02	6.07E-03	2.89E-02	4.73E-03	3.53E-03
2581	563044.4	4234356	3.49E-02	5.93E-03	2.82E-02	4.62E-03	3.45E-03
2582	563053.2	4234353	3.39E-02	5.76E-03	2.74E-02	4.49E-03	3.35E-03
2583	563061.9	4234351	3.28E-02	5.56E-03	2.65E-02	4.33E-03	3.24E-03
2584	563070.6	4234348	3.15E-02	5.34E-03	2.54E-02	4.16E-03	3.11E-03
2585	563079.4	4234345	3.01E-02	5.10E-03	2.43E-02	3.98E-03	2.97E-03
2586	563088.1	4234342	2.86E-02	4.86E-03	2.31E-02	3.78E-03	2.83E-03
2587	563096.8	4234339	2.71E-02	4.59E-03	2.19E-02	3.58E-03	2.67E-03
2588	563105.5	4234337	2.54E-02	4.31E-03	2.05E-02	3.36E-03	2.51E-03
2589	562790.8	4234607	1.68E-02	2.85E-03	1.36E-02	2.22E-03	1.66E-03
2590	562790	4234617	1.69E-02	2.87E-03	1.37E-02	2.24E-03	1.67E-03
2591	562789.2	4234626	1.70E-02	2.88E-03	1.37E-02	2.24E-03	1.68E-03
2592	562788.4	4234635	1.70E-02	2.88E-03	1.37E-02	2.25E-03	1.68E-03
2593	562787.6	4234645	1.70E-02	2.89E-03	1.37E-02	2.25E-03	1.68E-03
2594	562786.8	4234654	1.70E-02	2.89E-03	1.38E-02	2.25E-03	1.68E-03

2595	562786	4234663	1.70E-02	2.89E-03	1.37E-02	2.25E-03	1.68E-03
2596	562785.2	4234672	1.69E-02	2.86E-03	1.36E-02	2.23E-03	1.67E-03
2597	562784.4	4234682	1.66E-02	2.82E-03	1.34E-02	2.20E-03	1.64E-03
2598	562783.6	4234691	1.63E-02	2.77E-03	1.32E-02	2.16E-03	1.61E-03
2599	562782.8	4234700	1.61E-02	2.73E-03	1.30E-02	2.13E-03	1.59E-03
2600	562782	4234710	1.59E-02	2.70E-03	1.29E-02	2.11E-03	1.57E-03
2601	562781.2	4234719	1.57E-02	2.66E-03	1.27E-02	2.08E-03	1.55E-03
2602	562755.2	4234596	1.49E-02	2.53E-03	1.20E-02	1.97E-03	1.47E-03
2603	562759.4	4234587	1.49E-02	2.53E-03	1.20E-02	1.97E-03	1.47E-03
2604	562763.7	4234579	1.49E-02	2.53E-03	1.20E-02	1.97E-03	1.47E-03
2605	562767.9	4234571	1.50E-02	2.55E-03	1.21E-02	1.98E-03	1.48E-03
2606	562772.2	4234563	1.51E-02	2.56E-03	1.22E-02	1.99E-03	1.49E-03
2607	562776.5	4234554	1.51E-02	2.57E-03	1.22E-02	2.00E-03	1.49E-03
2608	562780.7	4234546	1.51E-02	2.57E-03	1.22E-02	2.00E-03	1.50E-03
2609	562785	4234538	1.53E-02	2.59E-03	1.23E-02	2.02E-03	1.51E-03
2610	562789.2	4234530	1.53E-02	2.60E-03	1.24E-02	2.03E-03	1.51E-03
2611	562793.5	4234521	1.54E-02	2.60E-03	1.24E-02	2.03E-03	1.52E-03
2612	562797.8	4234513	1.53E-02	2.60E-03	1.24E-02	2.03E-03	1.51E-03
2613	562802	4234505	1.53E-02	2.60E-03	1.24E-02	2.02E-03	1.51E-03
2614	562806.3	4234497	1.53E-02	2.60E-03	1.24E-02	2.03E-03	1.51E-03
2615	562810.6	4234489	1.54E-02	2.61E-03	1.24E-02	2.04E-03	1.52E-03
2616	562814.8	4234480	1.55E-02	2.63E-03	1.25E-02	2.05E-03	1.53E-03
2617	562819.1	4234472	1.57E-02	2.66E-03	1.26E-02	2.07E-03	1.55E-03
2618	562823.3	4234464	1.59E-02	2.70E-03	1.28E-02	2.10E-03	1.57E-03
2619	562827.6	4234456	1.62E-02	2.74E-03	1.30E-02	2.14E-03	1.60E-03
2620	562831.9	4234447	1.65E-02	2.80E-03	1.33E-02	2.18E-03	1.63E-03
2621	562836.1	4234439	1.69E-02	2.87E-03	1.36E-02	2.23E-03	1.67E-03
2622	562840.4	4234431	1.73E-02	2.94E-03	1.40E-02	2.29E-03	1.71E-03
2623	562844.6	4234423	1.78E-02	3.02E-03	1.44E-02	2.36E-03	1.76E-03
2624	562848.9	4234414	1.83E-02	3.11E-03	1.48E-02	2.42E-03	1.81E-03
2625	562853.2	4234406	1.89E-02	3.20E-03	1.52E-02	2.50E-03	1.86E-03
2626	562857.4	4234398	1.94E-02	3.30E-03	1.57E-02	2.57E-03	1.92E-03
2627	562861.7	4234390	2.00E-02	3.40E-03	1.62E-02	2.65E-03	1.98E-03
2628	562865.9	4234381	2.06E-02	3.50E-03	1.66E-02	2.72E-03	2.03E-03
2629	562879	4234370	2.23E-02	3.78E-03	1.80E-02	2.94E-03	2.20E-03
2630	562887.9	4234368	2.34E-02	3.97E-03	1.89E-02	3.09E-03	2.31E-03
2631	562896.7	4234365	2.45E-02	4.16E-03	1.98E-02	3.24E-03	2.42E-03
2632	562905.5	4234362	2.57E-02	4.35E-03	2.07E-02	3.39E-03	2.53E-03
2633	562914.4	4234359	2.68E-02	4.54E-03	2.16E-02	3.54E-03	2.64E-03
2634	562923.2	4234356	2.78E-02	4.73E-03	2.25E-02	3.68E-03	2.75E-03
2635	562932	4234353	2.89E-02	4.90E-03	2.33E-02	3.82E-03	2.85E-03
2636	562940.9	4234351	2.98E-02	5.06E-03	2.41E-02	3.94E-03	2.95E-03
2637	562949.7	4234348	3.07E-02	5.21E-03	2.48E-02	4.06E-03	3.03E-03
2638	562985	4234336	3.27E-02	5.55E-03	2.64E-02	4.33E-03	3.23E-03
2639	562993.9	4234334	3.28E-02	5.57E-03	2.65E-02	4.34E-03	3.24E-03
2640	563002.7	4234331	3.27E-02	5.55E-03	2.64E-02	4.33E-03	3.23E-03
2641	563011.5	4234328	3.24E-02	5.50E-03	2.62E-02	4.29E-03	3.20E-03
2642	563020.4	4234325	3.20E-02	5.42E-03	2.58E-02	4.23E-03	3.16E-03
2643	563029.2	4234322	3.13E-02	5.31E-03	2.53E-02	4.14E-03	3.09E-03
2644	563038	4234319	3.05E-02	5.17E-03	2.46E-02	4.03E-03	3.01E-03
2645	563046.9	4234317	2.95E-02	5.01E-03	2.39E-02	3.91E-03	2.92E-03
2646	563055.7	4234314	2.85E-02	4.83E-03	2.30E-02	3.77E-03	2.81E-03

2647	563064.6	4234311	2.73E-02	4.64E-03	2.21E-02	3.61E-03	2.70E-03
2648	563073.4	4234308	2.61E-02	4.43E-03	2.11E-02	3.45E-03	2.58E-03
2649	563082.2	4234305	2.49E-02	4.22E-03	2.01E-02	3.29E-03	2.46E-03
2650	563091.1	4234302	2.36E-02	4.01E-03	1.91E-02	3.12E-03	2.33E-03
2651	563099.9	4234300	2.23E-02	3.78E-03	1.80E-02	2.94E-03	2.20E-03
2652	563108.7	4234297	2.09E-02	3.55E-03	1.69E-02	2.76E-03	2.06E-03
2653	562750.9	4234604	1.49E-02	2.52E-03	1.20E-02	1.96E-03	1.47E-03
2654	562750.1	4234613	1.50E-02	2.55E-03	1.21E-02	1.99E-03	1.48E-03
2655	562749.3	4234622	1.52E-02	2.58E-03	1.23E-02	2.01E-03	1.50E-03
2656	562748.5	4234632	1.53E-02	2.60E-03	1.24E-02	2.03E-03	1.51E-03
2657	562747.7	4234641	1.55E-02	2.62E-03	1.25E-02	2.04E-03	1.53E-03
2658	562746.9	4234650	1.55E-02	2.64E-03	1.25E-02	2.05E-03	1.53E-03
2659	562746.1	4234660	1.56E-02	2.64E-03	1.26E-02	2.06E-03	1.54E-03
2660	562745.3	4234669	1.54E-02	2.62E-03	1.25E-02	2.04E-03	1.52E-03
2661	562744.5	4234678	1.51E-02	2.57E-03	1.22E-02	2.00E-03	1.50E-03
2662	562743.7	4234688	1.48E-02	2.51E-03	1.20E-02	1.96E-03	1.46E-03
2663	562742.9	4234697	1.44E-02	2.45E-03	1.16E-02	1.91E-03	1.42E-03
2664	562742.1	4234706	1.40E-02	2.37E-03	1.13E-02	1.85E-03	1.38E-03
2665	562741.3	4234716	1.35E-02	2.29E-03	1.09E-02	1.79E-03	1.34E-03
2666	562715.2	4234592	1.36E-02	2.30E-03	1.09E-02	1.79E-03	1.34E-03
2667	562719.4	4234584	1.34E-02	2.28E-03	1.08E-02	1.78E-03	1.33E-03
2668	562723.5	4234576	1.33E-02	2.26E-03	1.08E-02	1.76E-03	1.32E-03
2669	562727.7	4234568	1.33E-02	2.25E-03	1.07E-02	1.76E-03	1.31E-03
2670	562731.9	4234560	1.32E-02	2.24E-03	1.07E-02	1.75E-03	1.31E-03
2671	562736	4234552	1.32E-02	2.23E-03	1.06E-02	1.74E-03	1.30E-03
2672	562740.2	4234544	1.31E-02	2.23E-03	1.06E-02	1.74E-03	1.30E-03
2673	562744.4	4234536	1.32E-02	2.24E-03	1.07E-02	1.75E-03	1.31E-03
2674	562748.5	4234528	1.33E-02	2.26E-03	1.08E-02	1.76E-03	1.31E-03
2675	562752.7	4234520	1.34E-02	2.28E-03	1.08E-02	1.77E-03	1.33E-03
2676	562756.9	4234512	1.34E-02	2.28E-03	1.08E-02	1.77E-03	1.33E-03
2677	562761	4234504	1.33E-02	2.26E-03	1.08E-02	1.76E-03	1.32E-03
2678	562765.2	4234496	1.33E-02	2.25E-03	1.07E-02	1.76E-03	1.31E-03
2679	562769.4	4234488	1.32E-02	2.24E-03	1.07E-02	1.75E-03	1.31E-03
2680	562773.6	4234480	1.32E-02	2.24E-03	1.07E-02	1.75E-03	1.30E-03
2681	562777.7	4234472	1.32E-02	2.24E-03	1.07E-02	1.75E-03	1.31E-03
2682	562781.9	4234463	1.33E-02	2.25E-03	1.07E-02	1.75E-03	1.31E-03
2683	562786.1	4234455	1.34E-02	2.27E-03	1.08E-02	1.77E-03	1.32E-03
2684	562790.2	4234447	1.35E-02	2.29E-03	1.09E-02	1.78E-03	1.33E-03
2685	562794.4	4234439	1.37E-02	2.32E-03	1.10E-02	1.81E-03	1.35E-03
2686	562798.6	4234431	1.39E-02	2.36E-03	1.12E-02	1.84E-03	1.37E-03
2687	562802.7	4234423	1.42E-02	2.41E-03	1.15E-02	1.88E-03	1.40E-03
2688	562806.9	4234415	1.45E-02	2.46E-03	1.17E-02	1.92E-03	1.43E-03
2689	562811.1	4234407	1.49E-02	2.52E-03	1.20E-02	1.97E-03	1.47E-03
2690	562815.2	4234399	1.53E-02	2.59E-03	1.23E-02	2.02E-03	1.51E-03
2691	562819.4	4234391	1.57E-02	2.66E-03	1.27E-02	2.08E-03	1.55E-03
2692	562823.6	4234383	1.61E-02	2.74E-03	1.30E-02	2.13E-03	1.59E-03
2693	562827.7	4234375	1.66E-02	2.82E-03	1.34E-02	2.20E-03	1.64E-03
2694	562831.9	4234367	1.71E-02	2.90E-03	1.38E-02	2.26E-03	1.69E-03
2695	562836.1	4234359	1.76E-02	2.98E-03	1.42E-02	2.32E-03	1.73E-03
2696	562840.2	4234351	1.80E-02	3.06E-03	1.46E-02	2.39E-03	1.78E-03
2697	562853	4234340	1.94E-02	3.29E-03	1.57E-02	2.57E-03	1.92E-03
2698	562861.7	4234337	2.03E-02	3.45E-03	1.64E-02	2.69E-03	2.01E-03

2699	562878.9	4234332	2.22E-02	3.77E-03	1.79E-02	2.94E-03	2.19E-03
2700	562896.2	4234326	2.41E-02	4.08E-03	1.94E-02	3.18E-03	2.38E-03
2701	562904.9	4234323	2.50E-02	4.24E-03	2.02E-02	3.30E-03	2.47E-03
2702	562913.5	4234320	2.58E-02	4.38E-03	2.08E-02	3.41E-03	2.55E-03
2703	562922.1	4234318	2.66E-02	4.52E-03	2.15E-02	3.52E-03	2.63E-03
2704	562939.4	4234312	2.80E-02	4.75E-03	2.26E-02	3.70E-03	2.76E-03
2705	562956.7	4234307	2.90E-02	4.91E-03	2.34E-02	3.83E-03	2.86E-03
2706	562991.2	4234296	2.93E-02	4.97E-03	2.36E-02	3.87E-03	2.89E-03
2707	563008.5	4234290	2.86E-02	4.85E-03	2.31E-02	3.78E-03	2.82E-03
2708	563017.2	4234287	2.80E-02	4.76E-03	2.26E-02	3.71E-03	2.77E-03
2709	563025.8	4234285	2.74E-02	4.64E-03	2.21E-02	3.62E-03	2.70E-03
2710	563043.1	4234279	2.57E-02	4.36E-03	2.08E-02	3.40E-03	2.54E-03
2711	563060.4	4234273	2.38E-02	4.03E-03	1.92E-02	3.14E-03	2.35E-03
2712	563069	4234271	2.27E-02	3.86E-03	1.83E-02	3.00E-03	2.24E-03
2713	563086.3	4234265	2.05E-02	3.48E-03	1.66E-02	2.71E-03	2.03E-03
2714	563094.9	4234262	1.94E-02	3.29E-03	1.57E-02	2.57E-03	1.92E-03
2715	563103.6	4234260	1.83E-02	3.11E-03	1.48E-02	2.42E-03	1.81E-03
2716	562711	4234600	1.37E-02	2.33E-03	1.11E-02	1.81E-03	1.35E-03
2717	562710.3	4234610	1.39E-02	2.36E-03	1.12E-02	1.84E-03	1.37E-03
2718	562709.5	4234619	1.40E-02	2.38E-03	1.13E-02	1.85E-03	1.38E-03
2719	562708.7	4234628	1.40E-02	2.38E-03	1.13E-02	1.86E-03	1.39E-03
2720	562707.9	4234638	1.40E-02	2.37E-03	1.13E-02	1.85E-03	1.38E-03
2721	562707.1	4234647	1.39E-02	2.35E-03	1.12E-02	1.83E-03	1.37E-03
2722	562706.3	4234656	1.37E-02	2.33E-03	1.11E-02	1.81E-03	1.35E-03
2723	562705.5	4234666	1.35E-02	2.29E-03	1.09E-02	1.78E-03	1.33E-03
2724	562704.7	4234675	1.32E-02	2.24E-03	1.07E-02	1.75E-03	1.31E-03
2725	562703.9	4234684	1.29E-02	2.19E-03	1.04E-02	1.71E-03	1.28E-03
2726	562703.1	4234694	1.26E-02	2.13E-03	1.02E-02	1.66E-03	1.24E-03
2727	562702.3	4234703	1.22E-02	2.07E-03	9.85E-03	1.61E-03	1.20E-03
2728	562701.5	4234712	1.18E-02	2.00E-03	9.53E-03	1.56E-03	1.17E-03
2729	562675.4	4234589	1.21E-02	2.05E-03	9.74E-03	1.60E-03	1.19E-03
2730	562679.6	4234581	1.21E-02	2.05E-03	9.76E-03	1.60E-03	1.19E-03
2731	562683.8	4234573	1.21E-02	2.05E-03	9.73E-03	1.59E-03	1.19E-03
2732	562688	4234564	1.20E-02	2.04E-03	9.70E-03	1.59E-03	1.19E-03
2733	562692.2	4234556	1.20E-02	2.03E-03	9.66E-03	1.58E-03	1.18E-03
2734	562696.5	4234548	1.19E-02	2.02E-03	9.60E-03	1.57E-03	1.17E-03
2735	562700.7	4234540	1.18E-02	2.00E-03	9.53E-03	1.56E-03	1.17E-03
2736	562704.9	4234532	1.17E-02	1.99E-03	9.47E-03	1.55E-03	1.16E-03
2737	562709.1	4234524	1.17E-02	1.98E-03	9.44E-03	1.55E-03	1.15E-03
2738	562713.3	4234516	1.17E-02	1.98E-03	9.44E-03	1.55E-03	1.16E-03
2739	562717.5	4234507	1.17E-02	1.98E-03	9.43E-03	1.54E-03	1.15E-03
2740	562721.7	4234499	1.16E-02	1.98E-03	9.41E-03	1.54E-03	1.15E-03
2741	562725.9	4234491	1.16E-02	1.97E-03	9.39E-03	1.54E-03	1.15E-03
2742	562730.1	4234483	1.16E-02	1.97E-03	9.38E-03	1.54E-03	1.15E-03
2743	562734.4	4234475	1.16E-02	1.97E-03	9.37E-03	1.54E-03	1.15E-03
2744	562738.6	4234467	1.15E-02	1.96E-03	9.32E-03	1.53E-03	1.14E-03
2745	562742.8	4234459	1.15E-02	1.95E-03	9.29E-03	1.52E-03	1.14E-03
2746	562747	4234450	1.15E-02	1.95E-03	9.29E-03	1.52E-03	1.14E-03
2747	562751.2	4234442	1.15E-02	1.96E-03	9.31E-03	1.53E-03	1.14E-03
2748	562755.4	4234434	1.16E-02	1.97E-03	9.37E-03	1.53E-03	1.15E-03
2749	562759.6	4234426	1.17E-02	1.99E-03	9.45E-03	1.55E-03	1.16E-03
2750	562763.8	4234418	1.19E-02	2.01E-03	9.57E-03	1.57E-03	1.17E-03

2751	562768	4234410	1.20E-02	2.04E-03	9.72E-03	1.59E-03	1.19E-03
2752	562772.2	4234402	1.23E-02	2.08E-03	9.91E-03	1.62E-03	1.21E-03
2753	562776.5	4234393	1.25E-02	2.13E-03	1.01E-02	1.66E-03	1.24E-03
2754	562780.7	4234385	1.28E-02	2.18E-03	1.04E-02	1.70E-03	1.27E-03
2755	562784.9	4234377	1.32E-02	2.23E-03	1.06E-02	1.74E-03	1.30E-03
2756	562789.1	4234369	1.35E-02	2.29E-03	1.09E-02	1.79E-03	1.33E-03
2757	562793.3	4234361	1.39E-02	2.36E-03	1.12E-02	1.84E-03	1.37E-03
2758	562797.5	4234353	1.43E-02	2.42E-03	1.15E-02	1.89E-03	1.41E-03
2759	562801.7	4234345	1.47E-02	2.49E-03	1.19E-02	1.94E-03	1.45E-03
2760	562805.9	4234336	1.51E-02	2.56E-03	1.22E-02	2.00E-03	1.49E-03
2761	562810.1	4234328	1.55E-02	2.63E-03	1.25E-02	2.05E-03	1.53E-03
2762	562814.4	4234320	1.59E-02	2.70E-03	1.29E-02	2.11E-03	1.57E-03
2763	562827.3	4234309	1.71E-02	2.90E-03	1.38E-02	2.26E-03	1.69E-03
2764	562836	4234306	1.79E-02	3.04E-03	1.44E-02	2.37E-03	1.77E-03
2765	562844.8	4234304	1.87E-02	3.17E-03	1.51E-02	2.47E-03	1.85E-03
2766	562853.5	4234301	1.95E-02	3.31E-03	1.58E-02	2.58E-03	1.93E-03
2767	562862.2	4234298	2.03E-02	3.45E-03	1.64E-02	2.69E-03	2.01E-03
2768	562870.9	4234295	2.11E-02	3.59E-03	1.71E-02	2.79E-03	2.09E-03
2769	562879.7	4234293	2.19E-02	3.72E-03	1.77E-02	2.90E-03	2.17E-03
2770	562888.4	4234290	2.27E-02	3.85E-03	1.83E-02	3.00E-03	2.24E-03
2771	562897.1	4234287	2.34E-02	3.98E-03	1.89E-02	3.10E-03	2.31E-03
2772	562905.9	4234284	2.41E-02	4.09E-03	1.95E-02	3.19E-03	2.38E-03
2773	562914.6	4234281	2.47E-02	4.20E-03	2.00E-02	3.27E-03	2.44E-03
2774	562923.3	4234279	2.53E-02	4.29E-03	2.04E-02	3.34E-03	2.50E-03
2775	562932.1	4234276	2.58E-02	4.37E-03	2.08E-02	3.41E-03	2.54E-03
2776	562940.8	4234273	2.61E-02	4.43E-03	2.11E-02	3.46E-03	2.58E-03
2777	562949.5	4234270	2.64E-02	4.48E-03	2.13E-02	3.49E-03	2.61E-03
2778	562958.2	4234267	2.65E-02	4.50E-03	2.14E-02	3.51E-03	2.62E-03
2779	562967	4234265	2.66E-02	4.51E-03	2.15E-02	3.51E-03	2.62E-03
2780	562993.2	4234256	2.59E-02	4.40E-03	2.09E-02	3.43E-03	2.56E-03
2781	563001.9	4234253	2.55E-02	4.33E-03	2.06E-02	3.37E-03	2.52E-03
2782	563010.6	4234251	2.49E-02	4.23E-03	2.01E-02	3.30E-03	2.46E-03
2783	563019.4	4234248	2.43E-02	4.12E-03	1.96E-02	3.21E-03	2.40E-03
2784	563028.1	4234245	2.36E-02	4.00E-03	1.90E-02	3.12E-03	2.33E-03
2785	563036.8	4234242	2.28E-02	3.87E-03	1.84E-02	3.01E-03	2.25E-03
2786	563045.5	4234239	2.19E-02	3.72E-03	1.77E-02	2.90E-03	2.17E-03
2787	563054.3	4234237	2.11E-02	3.57E-03	1.70E-02	2.78E-03	2.08E-03
2788	563063	4234234	2.02E-02	3.42E-03	1.63E-02	2.66E-03	1.99E-03
2789	563071.7	4234231	1.91E-02	3.25E-03	1.54E-02	2.53E-03	1.89E-03
2790	563080.5	4234228	1.81E-02	3.07E-03	1.46E-02	2.40E-03	1.79E-03
2791	563089.2	4234225	1.71E-02	2.91E-03	1.38E-02	2.27E-03	1.69E-03
2792	563097.9	4234223	1.62E-02	2.76E-03	1.31E-02	2.15E-03	1.60E-03
2793	563106.7	4234220	1.54E-02	2.62E-03	1.25E-02	2.04E-03	1.52E-03
2794	563115.4	4234217	1.47E-02	2.49E-03	1.18E-02	1.94E-03	1.45E-03
2795	562671.2	4234597	1.20E-02	2.04E-03	9.70E-03	1.59E-03	1.19E-03
2796	562670.4	4234606	1.20E-02	2.04E-03	9.73E-03	1.59E-03	1.19E-03
2797	562669.6	4234616	1.20E-02	2.04E-03	9.72E-03	1.59E-03	1.19E-03
2798	562668.8	4234625	1.20E-02	2.04E-03	9.69E-03	1.59E-03	1.19E-03
2799	562668	4234634	1.19E-02	2.02E-03	9.62E-03	1.58E-03	1.18E-03
2800	562667.2	4234644	1.18E-02	2.00E-03	9.52E-03	1.56E-03	1.16E-03
2801	562666.4	4234653	1.16E-02	1.97E-03	9.39E-03	1.54E-03	1.15E-03
2802	562665.6	4234662	1.14E-02	1.94E-03	9.23E-03	1.51E-03	1.13E-03

2803	562664.8	4234672	1.13E-02	1.91E-03	9.09E-03	1.49E-03	1.11E-03
2804	562664	4234681	1.11E-02	1.88E-03	8.96E-03	1.47E-03	1.10E-03
2805	562663.2	4234690	1.09E-02	1.85E-03	8.80E-03	1.44E-03	1.08E-03
2806	562662.4	4234700	1.06E-02	1.80E-03	8.58E-03	1.40E-03	1.05E-03
2807	562661.6	4234709	1.03E-02	1.74E-03	8.29E-03	1.36E-03	1.01E-03
2808	562635.6	4234585	1.11E-02	1.88E-03	8.96E-03	1.47E-03	1.10E-03
2809	562639.8	4234577	1.11E-02	1.88E-03	8.93E-03	1.46E-03	1.09E-03
2810	562644.1	4234569	1.10E-02	1.86E-03	8.87E-03	1.45E-03	1.09E-03
2811	562648.3	4234561	1.10E-02	1.86E-03	8.86E-03	1.45E-03	1.08E-03
2812	562652.6	4234553	1.09E-02	1.85E-03	8.82E-03	1.44E-03	1.08E-03
2813	562656.8	4234544	1.09E-02	1.84E-03	8.77E-03	1.44E-03	1.07E-03
2814	562661.1	4234536	1.08E-02	1.83E-03	8.71E-03	1.43E-03	1.07E-03
2815	562665.3	4234528	1.07E-02	1.82E-03	8.64E-03	1.41E-03	1.06E-03
2816	562669.6	4234520	1.06E-02	1.80E-03	8.56E-03	1.40E-03	1.05E-03
2817	562673.8	4234511	1.05E-02	1.78E-03	8.47E-03	1.39E-03	1.04E-03
2818	562678.1	4234503	1.04E-02	1.76E-03	8.39E-03	1.37E-03	1.03E-03
2819	562682.3	4234495	1.03E-02	1.74E-03	8.29E-03	1.36E-03	1.01E-03
2820	562686.6	4234487	1.02E-02	1.72E-03	8.20E-03	1.34E-03	1.00E-03
2821	562690.8	4234479	1.00E-02	1.71E-03	8.11E-03	1.33E-03	9.92E-04
2822	562695.1	4234470	9.94E-03	1.69E-03	8.03E-03	1.32E-03	9.82E-04
2823	562699.3	4234462	9.85E-03	1.67E-03	7.95E-03	1.30E-03	9.73E-04
2824	562703.5	4234454	9.77E-03	1.66E-03	7.89E-03	1.29E-03	9.65E-04
2825	562707.8	4234446	9.77E-03	1.66E-03	7.89E-03	1.29E-03	9.65E-04
2826	562712	4234438	9.80E-03	1.66E-03	7.91E-03	1.30E-03	9.68E-04
2827	562716.3	4234429	9.85E-03	1.67E-03	7.95E-03	1.30E-03	9.73E-04
2828	562720.5	4234421	9.93E-03	1.68E-03	8.02E-03	1.31E-03	9.81E-04
2829	562724.8	4234413	1.00E-02	1.70E-03	8.11E-03	1.33E-03	9.92E-04
2830	562729	4234405	1.02E-02	1.73E-03	8.23E-03	1.35E-03	1.01E-03
2831	562733.3	4234397	1.04E-02	1.76E-03	8.38E-03	1.37E-03	1.02E-03
2832	562737.5	4234388	1.05E-02	1.79E-03	8.51E-03	1.39E-03	1.04E-03
2833	562741.8	4234380	1.07E-02	1.82E-03	8.66E-03	1.42E-03	1.06E-03
2834	562746	4234372	1.09E-02	1.86E-03	8.84E-03	1.45E-03	1.08E-03
2835	562750.3	4234364	1.12E-02	1.90E-03	9.04E-03	1.48E-03	1.11E-03
2836	562754.5	4234355	1.15E-02	1.95E-03	9.26E-03	1.52E-03	1.13E-03
2837	562758.8	4234347	1.18E-02	2.00E-03	9.50E-03	1.56E-03	1.16E-03
2838	562763	4234339	1.21E-02	2.05E-03	9.75E-03	1.60E-03	1.19E-03
2839	562767.3	4234331	1.24E-02	2.11E-03	1.00E-02	1.64E-03	1.23E-03
2840	562771.5	4234323	1.28E-02	2.16E-03	1.03E-02	1.69E-03	1.26E-03
2841	562775.8	4234314	1.31E-02	2.22E-03	1.06E-02	1.73E-03	1.29E-03
2842	562780	4234306	1.35E-02	2.28E-03	1.09E-02	1.78E-03	1.33E-03
2843	562784.3	4234298	1.38E-02	2.35E-03	1.12E-02	1.83E-03	1.37E-03
2844	562788.5	4234290	1.42E-02	2.41E-03	1.15E-02	1.88E-03	1.40E-03
2845	562801.6	4234279	1.52E-02	2.58E-03	1.23E-02	2.01E-03	1.50E-03
2846	562810.4	4234276	1.59E-02	2.69E-03	1.28E-02	2.10E-03	1.57E-03
2847	562819.2	4234273	1.66E-02	2.81E-03	1.34E-02	2.19E-03	1.64E-03
2848	562828	4234270	1.73E-02	2.93E-03	1.39E-02	2.28E-03	1.71E-03
2849	562836.8	4234267	1.80E-02	3.05E-03	1.45E-02	2.38E-03	1.78E-03
2850	562845.6	4234265	1.87E-02	3.17E-03	1.51E-02	2.47E-03	1.85E-03
2851	562854.4	4234262	1.94E-02	3.29E-03	1.57E-02	2.56E-03	1.92E-03
2852	562863.2	4234259	2.01E-02	3.41E-03	1.62E-02	2.66E-03	1.98E-03
2853	562872	4234256	2.07E-02	3.52E-03	1.68E-02	2.74E-03	2.05E-03
2854	562880.8	4234253	2.14E-02	3.63E-03	1.73E-02	2.83E-03	2.11E-03

2855	562889.6	4234251	2.20E-02	3.73E-03	1.77E-02	2.91E-03	2.17E-03
2856	562898.4	4234248	2.25E-02	3.82E-03	1.82E-02	2.98E-03	2.22E-03
2857	562907.2	4234245	2.30E-02	3.90E-03	1.86E-02	3.04E-03	2.27E-03
2858	562916	4234242	2.34E-02	3.97E-03	1.89E-02	3.09E-03	2.31E-03
2859	562924.8	4234239	2.37E-02	4.03E-03	1.92E-02	3.14E-03	2.34E-03
2860	562933.7	4234236	2.40E-02	4.07E-03	1.94E-02	3.17E-03	2.37E-03
2861	562942.5	4234234	2.41E-02	4.09E-03	1.95E-02	3.19E-03	2.38E-03
2862	562951.3	4234231	2.42E-02	4.10E-03	1.95E-02	3.19E-03	2.39E-03
2863	562960.1	4234228	2.41E-02	4.09E-03	1.95E-02	3.19E-03	2.38E-03
2864	562968.9	4234225	2.39E-02	4.06E-03	1.93E-02	3.17E-03	2.36E-03
2865	563004.1	4234214	2.23E-02	3.79E-03	1.80E-02	2.95E-03	2.21E-03
2866	563012.9	4234211	2.17E-02	3.69E-03	1.75E-02	2.87E-03	2.15E-03
2867	563021.7	4234208	2.11E-02	3.57E-03	1.70E-02	2.78E-03	2.08E-03
2868	563030.5	4234205	2.03E-02	3.45E-03	1.64E-02	2.69E-03	2.01E-03
2869	563039.3	4234203	1.96E-02	3.32E-03	1.58E-02	2.59E-03	1.93E-03
2870	563048.1	4234200	1.87E-02	3.17E-03	1.51E-02	2.47E-03	1.85E-03
2871	563056.9	4234197	1.78E-02	3.03E-03	1.44E-02	2.36E-03	1.76E-03
2872	563065.8	4234194	1.70E-02	2.88E-03	1.37E-02	2.24E-03	1.67E-03
2873	563074.6	4234191	1.61E-02	2.74E-03	1.30E-02	2.13E-03	1.59E-03
2874	563083.4	4234188	1.53E-02	2.60E-03	1.24E-02	2.03E-03	1.52E-03
2875	563092.2	4234186	1.46E-02	2.48E-03	1.18E-02	1.93E-03	1.44E-03
2876	563101	4234183	1.39E-02	2.36E-03	1.12E-02	1.84E-03	1.37E-03
2877	563109.8	4234180	1.32E-02	2.25E-03	1.07E-02	1.75E-03	1.31E-03
2878	563118.6	4234177	1.26E-02	2.14E-03	1.02E-02	1.67E-03	1.25E-03
2879	562631.3	4234594	1.11E-02	1.89E-03	8.98E-03	1.47E-03	1.10E-03
2880	562630.5	4234603	1.11E-02	1.89E-03	8.99E-03	1.47E-03	1.10E-03
2881	562629.7	4234612	1.11E-02	1.89E-03	8.98E-03	1.47E-03	1.10E-03
2882	562628.9	4234622	1.11E-02	1.88E-03	8.94E-03	1.46E-03	1.09E-03
2883	562628.2	4234631	1.10E-02	1.86E-03	8.87E-03	1.45E-03	1.08E-03
2884	562627.4	4234640	1.09E-02	1.84E-03	8.77E-03	1.44E-03	1.07E-03
2885	562626.6	4234650	1.07E-02	1.82E-03	8.65E-03	1.42E-03	1.06E-03
2886	562625.8	4234659	1.05E-02	1.79E-03	8.50E-03	1.39E-03	1.04E-03
2887	562625	4234668	1.03E-02	1.75E-03	8.33E-03	1.36E-03	1.02E-03
2888	562624.2	4234677	1.01E-02	1.71E-03	8.14E-03	1.33E-03	9.95E-04
2889	562623.4	4234687	9.82E-03	1.67E-03	7.93E-03	1.30E-03	9.69E-04
2890	562622.6	4234696	9.54E-03	1.62E-03	7.70E-03	1.26E-03	9.42E-04
2891	562621.8	4234705	9.25E-03	1.57E-03	7.47E-03	1.22E-03	9.13E-04
2892	562595.8	4234582	1.05E-02	1.78E-03	8.46E-03	1.39E-03	1.03E-03
2893	562600	4234574	1.05E-02	1.79E-03	8.50E-03	1.39E-03	1.04E-03
2894	562604.3	4234565	1.05E-02	1.79E-03	8.51E-03	1.39E-03	1.04E-03
2895	562608.6	4234557	1.05E-02	1.79E-03	8.51E-03	1.39E-03	1.04E-03
2896	562612.9	4234549	1.05E-02	1.78E-03	8.49E-03	1.39E-03	1.04E-03
2897	562617.2	4234541	1.04E-02	1.77E-03	8.41E-03	1.38E-03	1.03E-03
2898	562621.4	4234532	1.03E-02	1.74E-03	8.30E-03	1.36E-03	1.02E-03
2899	562625.7	4234524	1.01E-02	1.72E-03	8.18E-03	1.34E-03	1.00E-03
2900	562630	4234516	9.98E-03	1.69E-03	8.05E-03	1.32E-03	9.85E-04
2901	562634.3	4234507	9.81E-03	1.66E-03	7.92E-03	1.30E-03	9.69E-04
2902	562638.6	4234499	9.64E-03	1.64E-03	7.78E-03	1.27E-03	9.52E-04
2903	562642.8	4234491	9.46E-03	1.61E-03	7.64E-03	1.25E-03	9.35E-04
2904	562647.1	4234483	9.34E-03	1.58E-03	7.54E-03	1.23E-03	9.22E-04
2905	562651.4	4234474	9.22E-03	1.56E-03	7.44E-03	1.22E-03	9.10E-04
2906	562655.7	4234466	9.10E-03	1.54E-03	7.35E-03	1.20E-03	8.99E-04

2907	562660	4234458	8.99E-03	1.52E-03	7.26E-03	1.19E-03	8.87E-04
2908	562664.2	4234450	8.88E-03	1.51E-03	7.17E-03	1.17E-03	8.77E-04
2909	562668.5	4234441	8.78E-03	1.49E-03	7.09E-03	1.16E-03	8.68E-04
2910	562672.8	4234433	8.70E-03	1.48E-03	7.03E-03	1.15E-03	8.60E-04
2911	562677.1	4234425	8.64E-03	1.47E-03	6.98E-03	1.14E-03	8.53E-04
2912	562681.3	4234416	8.60E-03	1.46E-03	6.94E-03	1.14E-03	8.49E-04
2913	562685.6	4234408	8.58E-03	1.46E-03	6.93E-03	1.13E-03	8.48E-04
2914	562689.9	4234400	8.59E-03	1.46E-03	6.94E-03	1.14E-03	8.49E-04
2915	562694.2	4234392	8.67E-03	1.47E-03	7.00E-03	1.15E-03	8.56E-04
2916	562698.5	4234383	8.83E-03	1.50E-03	7.13E-03	1.17E-03	8.72E-04
2917	562702.7	4234375	9.06E-03	1.54E-03	7.31E-03	1.20E-03	8.95E-04
2918	562707	4234367	9.30E-03	1.58E-03	7.51E-03	1.23E-03	9.18E-04
2919	562711.3	4234359	9.46E-03	1.61E-03	7.64E-03	1.25E-03	9.34E-04
2920	562715.6	4234350	9.65E-03	1.64E-03	7.79E-03	1.28E-03	9.53E-04
2921	562719.9	4234342	9.85E-03	1.67E-03	7.96E-03	1.30E-03	9.73E-04
2922	562724.1	4234334	1.01E-02	1.71E-03	8.14E-03	1.33E-03	9.96E-04
2923	562728.4	4234325	1.03E-02	1.75E-03	8.35E-03	1.37E-03	1.02E-03
2924	562732.7	4234317	1.06E-02	1.80E-03	8.56E-03	1.40E-03	1.05E-03
2925	562737	4234309	1.09E-02	1.85E-03	8.79E-03	1.44E-03	1.07E-03
2926	562741.3	4234301	1.12E-02	1.90E-03	9.02E-03	1.48E-03	1.10E-03
2927	562745.5	4234292	1.15E-02	1.95E-03	9.27E-03	1.52E-03	1.13E-03
2928	562749.8	4234284	1.18E-02	2.00E-03	9.52E-03	1.56E-03	1.16E-03
2929	562754.1	4234276	1.21E-02	2.05E-03	9.77E-03	1.60E-03	1.19E-03
2930	562758.4	4234268	1.24E-02	2.11E-03	1.00E-02	1.64E-03	1.23E-03
2931	562762.6	4234259	1.27E-02	2.16E-03	1.03E-02	1.68E-03	1.26E-03
2932	562775.8	4234248	1.36E-02	2.31E-03	1.10E-02	1.80E-03	1.34E-03
2933	562784.7	4234245	1.42E-02	2.41E-03	1.15E-02	1.88E-03	1.40E-03
2934	562793.5	4234242	1.48E-02	2.51E-03	1.19E-02	1.96E-03	1.46E-03
2935	562802.4	4234240	1.54E-02	2.61E-03	1.24E-02	2.04E-03	1.52E-03
2936	562811.3	4234237	1.60E-02	2.72E-03	1.29E-02	2.12E-03	1.58E-03
2937	562820.2	4234234	1.66E-02	2.82E-03	1.34E-02	2.20E-03	1.64E-03
2938	562829	4234231	1.73E-02	2.93E-03	1.39E-02	2.28E-03	1.70E-03
2939	562837.9	4234228	1.79E-02	3.03E-03	1.44E-02	2.36E-03	1.76E-03
2940	562846.8	4234225	1.85E-02	3.13E-03	1.49E-02	2.44E-03	1.82E-03
2941	562855.6	4234223	1.91E-02	3.23E-03	1.54E-02	2.52E-03	1.88E-03
2942	562864.5	4234220	1.96E-02	3.33E-03	1.58E-02	2.59E-03	1.94E-03
2943	562873.4	4234217	2.01E-02	3.41E-03	1.62E-02	2.66E-03	1.99E-03
2944	562882.3	4234214	2.06E-02	3.49E-03	1.66E-02	2.72E-03	2.03E-03
2945	562891.1	4234211	2.10E-02	3.57E-03	1.70E-02	2.78E-03	2.08E-03
2946	562900	4234208	2.14E-02	3.63E-03	1.73E-02	2.83E-03	2.11E-03
2947	562908.9	4234206	2.17E-02	3.68E-03	1.75E-02	2.87E-03	2.14E-03
2948	562917.8	4234203	2.19E-02	3.71E-03	1.77E-02	2.89E-03	2.16E-03
2949	562926.6	4234200	2.20E-02	3.74E-03	1.78E-02	2.91E-03	2.17E-03
2950	562935.5	4234197	2.21E-02	3.75E-03	1.78E-02	2.92E-03	2.18E-03
2951	562944.4	4234194	2.20E-02	3.74E-03	1.78E-02	2.92E-03	2.18E-03
2952	562953.2	4234191	2.19E-02	3.72E-03	1.77E-02	2.90E-03	2.17E-03
2953	562962.1	4234188	2.17E-02	3.68E-03	1.75E-02	2.87E-03	2.14E-03
2954	562971	4234186	2.14E-02	3.64E-03	1.73E-02	2.83E-03	2.12E-03
2955	562997.6	4234177	2.01E-02	3.41E-03	1.62E-02	2.66E-03	1.99E-03
2956	563006.5	4234174	1.95E-02	3.31E-03	1.58E-02	2.58E-03	1.93E-03
2957	563015.3	4234171	1.89E-02	3.20E-03	1.52E-02	2.49E-03	1.86E-03
2958	563024.2	4234169	1.81E-02	3.08E-03	1.47E-02	2.40E-03	1.79E-03

2959	563033.1	4234166	1.74E-02	2.95E-03	1.40E-02	2.30E-03	1.72E-03
2960	563042	4234163	1.66E-02	2.82E-03	1.34E-02	2.20E-03	1.64E-03
2961	563050.8	4234160	1.59E-02	2.70E-03	1.29E-02	2.11E-03	1.57E-03
2962	563059.7	4234157	1.52E-02	2.58E-03	1.23E-02	2.01E-03	1.50E-03
2963	563068.6	4234154	1.45E-02	2.47E-03	1.17E-02	1.92E-03	1.44E-03
2964	563077.4	4234152	1.39E-02	2.36E-03	1.12E-02	1.84E-03	1.37E-03
2965	563086.3	4234149	1.32E-02	2.25E-03	1.07E-02	1.75E-03	1.31E-03
2966	563095.2	4234146	1.26E-02	2.14E-03	1.02E-02	1.67E-03	1.25E-03
2967	563104.1	4234143	1.20E-02	2.04E-03	9.73E-03	1.59E-03	1.19E-03
2968	563112.9	4234140	1.15E-02	1.95E-03	9.28E-03	1.52E-03	1.14E-03
2969	563121.8	4234137	1.10E-02	1.86E-03	8.87E-03	1.45E-03	1.08E-03
2970	562591.5	4234590	1.04E-02	1.77E-03	8.40E-03	1.38E-03	1.03E-03
2971	562590.7	4234600	1.04E-02	1.76E-03	8.39E-03	1.37E-03	1.03E-03
2972	562589.9	4234609	1.03E-02	1.75E-03	8.35E-03	1.37E-03	1.02E-03
2973	562589.1	4234618	1.03E-02	1.74E-03	8.28E-03	1.36E-03	1.01E-03
2974	562588.3	4234627	1.01E-02	1.72E-03	8.20E-03	1.34E-03	1.00E-03
2975	562587.5	4234637	1.00E-02	1.70E-03	8.08E-03	1.32E-03	9.89E-04
2976	562586.7	4234646	9.85E-03	1.67E-03	7.95E-03	1.30E-03	9.72E-04
2977	562585.9	4234655	9.66E-03	1.64E-03	7.80E-03	1.28E-03	9.54E-04
2978	562585.1	4234665	9.45E-03	1.60E-03	7.63E-03	1.25E-03	9.33E-04
2979	562584.3	4234674	9.21E-03	1.56E-03	7.44E-03	1.22E-03	9.10E-04
2980	562583.5	4234683	8.97E-03	1.52E-03	7.24E-03	1.19E-03	8.86E-04
2981	562582.7	4234693	8.71E-03	1.48E-03	7.03E-03	1.15E-03	8.60E-04
2982	562581.9	4234702	8.44E-03	1.43E-03	6.81E-03	1.12E-03	8.33E-04
2983	562555.8	4234579	9.58E-03	1.63E-03	7.73E-03	1.27E-03	9.46E-04
2984	562560.1	4234571	9.64E-03	1.64E-03	7.78E-03	1.27E-03	9.52E-04
2985	562564.3	4234562	9.68E-03	1.64E-03	7.81E-03	1.28E-03	9.56E-04
2986	562568.5	4234554	9.69E-03	1.64E-03	7.83E-03	1.28E-03	9.57E-04
2987	562572.7	4234546	9.69E-03	1.64E-03	7.82E-03	1.28E-03	9.57E-04
2988	562576.9	4234538	9.66E-03	1.64E-03	7.80E-03	1.28E-03	9.54E-04
2989	562581.1	4234530	9.62E-03	1.63E-03	7.77E-03	1.27E-03	9.50E-04
2990	562585.3	4234522	9.56E-03	1.62E-03	7.72E-03	1.26E-03	9.44E-04
2991	562589.5	4234514	9.49E-03	1.61E-03	7.66E-03	1.26E-03	9.37E-04
2992	562593.7	4234505	9.41E-03	1.60E-03	7.60E-03	1.24E-03	9.29E-04
2993	562597.9	4234497	9.31E-03	1.58E-03	7.52E-03	1.23E-03	9.20E-04
2994	562602.2	4234489	9.21E-03	1.56E-03	7.44E-03	1.22E-03	9.10E-04
2995	562606.4	4234481	9.10E-03	1.54E-03	7.35E-03	1.20E-03	8.99E-04
2996	562610.6	4234473	8.98E-03	1.52E-03	7.25E-03	1.19E-03	8.87E-04
2997	562614.8	4234465	8.84E-03	1.50E-03	7.14E-03	1.17E-03	8.73E-04
2998	562619	4234457	8.67E-03	1.47E-03	7.00E-03	1.15E-03	8.56E-04
2999	562623.2	4234448	8.49E-03	1.44E-03	6.86E-03	1.12E-03	8.39E-04
3000	562627.4	4234440	8.32E-03	1.41E-03	6.72E-03	1.10E-03	8.22E-04
3001	562631.6	4234432	8.16E-03	1.38E-03	6.59E-03	1.08E-03	8.06E-04
3002	562635.8	4234424	8.01E-03	1.36E-03	6.47E-03	1.06E-03	7.91E-04
3003	562640.1	4234416	7.88E-03	1.34E-03	6.36E-03	1.04E-03	7.78E-04
3004	562644.3	4234408	7.77E-03	1.32E-03	6.27E-03	1.03E-03	7.67E-04
3005	562648.5	4234400	7.72E-03	1.31E-03	6.23E-03	1.02E-03	7.62E-04
3006	562652.7	4234391	7.69E-03	1.30E-03	6.21E-03	1.02E-03	7.59E-04
3007	562656.9	4234383	7.68E-03	1.30E-03	6.20E-03	1.02E-03	7.58E-04
3008	562661.1	4234375	7.70E-03	1.31E-03	6.21E-03	1.02E-03	7.60E-04
3009	562665.3	4234367	7.74E-03	1.31E-03	6.25E-03	1.02E-03	7.64E-04
3010	562669.5	4234359	7.80E-03	1.32E-03	6.30E-03	1.03E-03	7.70E-04

3011	562673.7	4234351	7.89E-03	1.34E-03	6.37E-03	1.04E-03	7.79E-04
3012	562677.9	4234343	8.05E-03	1.37E-03	6.50E-03	1.06E-03	7.95E-04
3013	562682.2	4234334	8.24E-03	1.40E-03	6.66E-03	1.09E-03	8.14E-04
3014	562686.4	4234326	8.50E-03	1.44E-03	6.86E-03	1.12E-03	8.39E-04
3015	562690.6	4234318	8.74E-03	1.48E-03	7.06E-03	1.16E-03	8.63E-04
3016	562694.8	4234310	8.98E-03	1.52E-03	7.25E-03	1.19E-03	8.87E-04
3017	562699	4234302	9.21E-03	1.56E-03	7.43E-03	1.22E-03	9.09E-04
3018	562703.2	4234294	9.43E-03	1.60E-03	7.62E-03	1.25E-03	9.32E-04
3019	562707.4	4234286	9.67E-03	1.64E-03	7.81E-03	1.28E-03	9.55E-04
3020	562711.6	4234277	9.92E-03	1.68E-03	8.01E-03	1.31E-03	9.79E-04
3021	562715.8	4234269	1.02E-02	1.73E-03	8.21E-03	1.34E-03	1.00E-03
3022	562720.1	4234261	1.04E-02	1.77E-03	8.42E-03	1.38E-03	1.03E-03
3023	562724.3	4234253	1.07E-02	1.81E-03	8.64E-03	1.41E-03	1.06E-03
3024	562728.5	4234245	1.10E-02	1.86E-03	8.85E-03	1.45E-03	1.08E-03
3025	562732.7	4234237	1.12E-02	1.91E-03	9.07E-03	1.49E-03	1.11E-03
3026	562736.9	4234229	1.15E-02	1.95E-03	9.29E-03	1.52E-03	1.14E-03
3027	562749.8	4234218	1.22E-02	2.08E-03	9.89E-03	1.62E-03	1.21E-03
3028	562758.6	4234215	1.27E-02	2.16E-03	1.03E-02	1.69E-03	1.26E-03
3029	562767.3	4234212	1.33E-02	2.25E-03	1.07E-02	1.75E-03	1.31E-03
3030	562776	4234209	1.38E-02	2.34E-03	1.11E-02	1.82E-03	1.36E-03
3031	562784.8	4234206	1.43E-02	2.43E-03	1.15E-02	1.89E-03	1.41E-03
3032	562793.5	4234204	1.48E-02	2.52E-03	1.20E-02	1.96E-03	1.46E-03
3033	562802.2	4234201	1.54E-02	2.61E-03	1.24E-02	2.03E-03	1.52E-03
3034	562810.9	4234198	1.59E-02	2.70E-03	1.28E-02	2.10E-03	1.57E-03
3035	562819.7	4234195	1.64E-02	2.79E-03	1.33E-02	2.17E-03	1.62E-03
3036	562828.4	4234192	1.69E-02	2.88E-03	1.37E-02	2.24E-03	1.67E-03
3037	562837.1	4234190	1.74E-02	2.96E-03	1.41E-02	2.31E-03	1.72E-03
3038	562845.9	4234187	1.79E-02	3.04E-03	1.45E-02	2.37E-03	1.77E-03
3039	562854.6	4234184	1.84E-02	3.12E-03	1.48E-02	2.43E-03	1.82E-03
3040	562863.3	4234181	1.88E-02	3.19E-03	1.52E-02	2.49E-03	1.86E-03
3041	562872.1	4234179	1.92E-02	3.25E-03	1.55E-02	2.54E-03	1.89E-03
3042	562880.8	4234176	1.95E-02	3.31E-03	1.58E-02	2.58E-03	1.93E-03
3043	562889.5	4234173	1.98E-02	3.36E-03	1.60E-02	2.62E-03	1.95E-03
3044	562898.2	4234170	2.00E-02	3.40E-03	1.62E-02	2.65E-03	1.98E-03
3045	562907	4234167	2.02E-02	3.42E-03	1.63E-02	2.67E-03	1.99E-03
3046	562915.7	4234165	2.03E-02	3.44E-03	1.64E-02	2.68E-03	2.00E-03
3047	562924.4	4234162	2.03E-02	3.44E-03	1.64E-02	2.68E-03	2.00E-03
3048	562933.2	4234159	2.02E-02	3.43E-03	1.63E-02	2.67E-03	2.00E-03
3049	562941.9	4234156	2.01E-02	3.41E-03	1.62E-02	2.66E-03	1.99E-03
3050	562950.6	4234153	1.99E-02	3.38E-03	1.61E-02	2.63E-03	1.97E-03
3051	562959.4	4234151	1.96E-02	3.33E-03	1.59E-02	2.60E-03	1.94E-03
3052	562968.1	4234148	1.93E-02	3.28E-03	1.56E-02	2.56E-03	1.91E-03
3053	562994.3	4234139	1.80E-02	3.06E-03	1.46E-02	2.38E-03	1.78E-03
3054	563003	4234137	1.75E-02	2.97E-03	1.41E-02	2.31E-03	1.73E-03
3055	563011.7	4234134	1.69E-02	2.86E-03	1.36E-02	2.23E-03	1.67E-03
3056	563020.5	4234131	1.62E-02	2.75E-03	1.31E-02	2.14E-03	1.60E-03
3057	563029.2	4234128	1.55E-02	2.63E-03	1.25E-02	2.05E-03	1.53E-03
3058	563037.9	4234125	1.49E-02	2.53E-03	1.20E-02	1.97E-03	1.47E-03
3059	563046.7	4234123	1.43E-02	2.43E-03	1.15E-02	1.89E-03	1.41E-03
3060	563055.4	4234120	1.37E-02	2.32E-03	1.11E-02	1.81E-03	1.35E-03
3061	563064.1	4234117	1.31E-02	2.23E-03	1.06E-02	1.74E-03	1.30E-03
3062	563072.9	4234114	1.26E-02	2.13E-03	1.01E-02	1.66E-03	1.24E-03

3063	563081.6	4234111	1.20E-02	2.04E-03	9.69E-03	1.59E-03	1.19E-03
3064	563090.3	4234109	1.15E-02	1.95E-03	9.27E-03	1.52E-03	1.13E-03
3065	563099	4234106	1.10E-02	1.86E-03	8.86E-03	1.45E-03	1.08E-03
3066	563107.8	4234103	1.05E-02	1.78E-03	8.48E-03	1.39E-03	1.04E-03
3067	563116.5	4234100	1.01E-02	1.71E-03	8.12E-03	1.33E-03	9.93E-04
3068	563125.2	4234097	9.64E-03	1.64E-03	7.78E-03	1.27E-03	9.52E-04
3069	562551.6	4234587	9.50E-03	1.61E-03	7.67E-03	1.26E-03	9.38E-04
3070	562550.8	4234596	9.46E-03	1.61E-03	7.64E-03	1.25E-03	9.34E-04
3071	562550	4234605	9.40E-03	1.60E-03	7.59E-03	1.24E-03	9.28E-04
3072	562549.2	4234615	9.31E-03	1.58E-03	7.52E-03	1.23E-03	9.20E-04
3073	562548.4	4234624	9.20E-03	1.56E-03	7.43E-03	1.22E-03	9.09E-04
3074	562547.6	4234633	9.07E-03	1.54E-03	7.32E-03	1.20E-03	8.96E-04
3075	562546.8	4234643	8.91E-03	1.51E-03	7.20E-03	1.18E-03	8.80E-04
3076	562546	4234652	8.74E-03	1.48E-03	7.06E-03	1.16E-03	8.63E-04
3077	562545.3	4234661	8.55E-03	1.45E-03	6.90E-03	1.13E-03	8.44E-04
3078	562544.5	4234671	8.34E-03	1.42E-03	6.74E-03	1.10E-03	8.24E-04
3079	562543.7	4234680	8.12E-03	1.38E-03	6.56E-03	1.07E-03	8.02E-04
3080	562542.9	4234689	7.89E-03	1.34E-03	6.37E-03	1.04E-03	7.80E-04
3081	562542.1	4234699	7.66E-03	1.30E-03	6.18E-03	1.01E-03	7.56E-04
3082	562516	4234575	8.78E-03	1.49E-03	7.09E-03	1.16E-03	8.68E-04
3083	562520.3	4234567	8.85E-03	1.50E-03	7.15E-03	1.17E-03	8.74E-04
3084	562524.5	4234559	8.90E-03	1.51E-03	7.19E-03	1.18E-03	8.79E-04
3085	562528.7	4234551	8.94E-03	1.52E-03	7.21E-03	1.18E-03	8.82E-04
3086	562533	4234542	8.95E-03	1.52E-03	7.22E-03	1.18E-03	8.84E-04
3087	562537.2	4234534	8.94E-03	1.52E-03	7.22E-03	1.18E-03	8.83E-04
3088	562541.5	4234526	8.92E-03	1.51E-03	7.20E-03	1.18E-03	8.81E-04
3089	562545.7	4234518	8.88E-03	1.51E-03	7.17E-03	1.17E-03	8.77E-04
3090	562549.9	4234510	8.82E-03	1.50E-03	7.12E-03	1.17E-03	8.71E-04
3091	562554.2	4234501	8.76E-03	1.49E-03	7.07E-03	1.16E-03	8.65E-04
3092	562558.4	4234493	8.68E-03	1.47E-03	7.01E-03	1.15E-03	8.57E-04
3093	562562.7	4234485	8.59E-03	1.46E-03	6.93E-03	1.14E-03	8.48E-04
3094	562566.9	4234477	8.49E-03	1.44E-03	6.85E-03	1.12E-03	8.38E-04
3095	562571.1	4234469	8.38E-03	1.42E-03	6.77E-03	1.11E-03	8.28E-04
3096	562575.4	4234460	8.27E-03	1.40E-03	6.68E-03	1.09E-03	8.16E-04
3097	562579.6	4234452	8.15E-03	1.38E-03	6.58E-03	1.08E-03	8.05E-04
3098	562583.9	4234444	8.03E-03	1.36E-03	6.48E-03	1.06E-03	7.93E-04
3099	562588.1	4234436	7.90E-03	1.34E-03	6.38E-03	1.05E-03	7.81E-04
3100	562592.3	4234428	7.78E-03	1.32E-03	6.28E-03	1.03E-03	7.69E-04
3101	562596.6	4234419	7.67E-03	1.30E-03	6.19E-03	1.01E-03	7.57E-04
3102	562600.8	4234411	7.56E-03	1.28E-03	6.10E-03	9.99E-04	7.46E-04
3103	562605.1	4234403	7.46E-03	1.27E-03	6.02E-03	9.86E-04	7.36E-04
3104	562609.3	4234395	7.37E-03	1.25E-03	5.95E-03	9.75E-04	7.28E-04
3105	562613.5	4234387	7.30E-03	1.24E-03	5.89E-03	9.65E-04	7.21E-04
3106	562617.8	4234378	7.21E-03	1.22E-03	5.82E-03	9.53E-04	7.12E-04
3107	562622	4234370	7.13E-03	1.21E-03	5.76E-03	9.43E-04	7.04E-04
3108	562626.3	4234362	7.08E-03	1.20E-03	5.72E-03	9.36E-04	6.99E-04
3109	562630.5	4234354	7.05E-03	1.20E-03	5.69E-03	9.33E-04	6.96E-04
3110	562634.7	4234346	7.04E-03	1.20E-03	5.69E-03	9.32E-04	6.96E-04
3111	562639	4234337	7.06E-03	1.20E-03	5.70E-03	9.33E-04	6.97E-04
3112	562643.2	4234329	7.09E-03	1.20E-03	5.73E-03	9.38E-04	7.01E-04
3113	562647.5	4234321	7.20E-03	1.22E-03	5.82E-03	9.53E-04	7.11E-04
3114	562651.7	4234313	7.36E-03	1.25E-03	5.94E-03	9.73E-04	7.27E-04

3115	562655.9	4234305	7.55E-03	1.28E-03	6.10E-03	9.99E-04	7.46E-04
3116	562660.2	4234296	7.74E-03	1.31E-03	6.25E-03	1.02E-03	7.65E-04
3117	562664.4	4234288	7.95E-03	1.35E-03	6.42E-03	1.05E-03	7.85E-04
3118	562668.7	4234280	8.17E-03	1.39E-03	6.60E-03	1.08E-03	8.07E-04
3119	562672.9	4234272	8.40E-03	1.43E-03	6.79E-03	1.11E-03	8.30E-04
3120	562677.1	4234264	8.61E-03	1.46E-03	6.96E-03	1.14E-03	8.51E-04
3121	562681.4	4234255	8.83E-03	1.50E-03	7.13E-03	1.17E-03	8.72E-04
3122	562685.6	4234247	9.05E-03	1.54E-03	7.30E-03	1.20E-03	8.93E-04
3123	562689.9	4234239	9.27E-03	1.57E-03	7.49E-03	1.23E-03	9.16E-04
3124	562694.1	4234231	9.50E-03	1.61E-03	7.67E-03	1.26E-03	9.39E-04
3125	562698.3	4234223	9.74E-03	1.65E-03	7.86E-03	1.29E-03	9.62E-04
3126	562702.6	4234214	9.97E-03	1.69E-03	8.05E-03	1.32E-03	9.85E-04
3127	562706.8	4234206	1.02E-02	1.73E-03	8.24E-03	1.35E-03	1.01E-03
3128	562711	4234198	1.04E-02	1.77E-03	8.44E-03	1.38E-03	1.03E-03
3129	562724.1	4234187	1.11E-02	1.88E-03	8.96E-03	1.47E-03	1.10E-03
3130	562732.9	4234184	1.15E-02	1.96E-03	9.31E-03	1.53E-03	1.14E-03
3131	562741.7	4234181	1.20E-02	2.03E-03	9.67E-03	1.58E-03	1.18E-03
3132	562750.5	4234179	1.24E-02	2.11E-03	1.00E-02	1.64E-03	1.23E-03
3133	562759.2	4234176	1.29E-02	2.19E-03	1.04E-02	1.71E-03	1.27E-03
3134	562768	4234173	1.34E-02	2.27E-03	1.08E-02	1.77E-03	1.32E-03
3135	562776.8	4234170	1.38E-02	2.35E-03	1.12E-02	1.83E-03	1.37E-03
3136	562785.6	4234167	1.43E-02	2.43E-03	1.16E-02	1.89E-03	1.41E-03
3137	562794.4	4234165	1.48E-02	2.51E-03	1.19E-02	1.96E-03	1.46E-03
3138	562803.2	4234162	1.53E-02	2.59E-03	1.23E-02	2.02E-03	1.51E-03
3139	562812	4234159	1.57E-02	2.67E-03	1.27E-02	2.08E-03	1.55E-03
3140	562820.8	4234156	1.62E-02	2.74E-03	1.30E-02	2.14E-03	1.60E-03
3141	562829.6	4234153	1.66E-02	2.81E-03	1.34E-02	2.19E-03	1.64E-03
3142	562838.4	4234150	1.70E-02	2.88E-03	1.37E-02	2.25E-03	1.68E-03
3143	562847.1	4234148	1.74E-02	2.94E-03	1.40E-02	2.30E-03	1.71E-03
3144	562855.9	4234145	1.77E-02	3.00E-03	1.43E-02	2.34E-03	1.75E-03
3145	562864.7	4234142	1.80E-02	3.05E-03	1.45E-02	2.38E-03	1.78E-03
3146	562873.5	4234139	1.82E-02	3.09E-03	1.47E-02	2.41E-03	1.80E-03
3147	562882.3	4234136	1.84E-02	3.13E-03	1.49E-02	2.44E-03	1.82E-03
3148	562891.1	4234134	1.86E-02	3.15E-03	1.50E-02	2.46E-03	1.84E-03
3149	562899.9	4234131	1.87E-02	3.17E-03	1.51E-02	2.47E-03	1.84E-03
3150	562908.7	4234128	1.87E-02	3.17E-03	1.51E-02	2.47E-03	1.85E-03
3151	562917.5	4234125	1.87E-02	3.17E-03	1.51E-02	2.47E-03	1.84E-03
3152	562926.3	4234122	1.86E-02	3.15E-03	1.50E-02	2.46E-03	1.83E-03
3153	562935.1	4234120	1.84E-02	3.13E-03	1.49E-02	2.44E-03	1.82E-03
3154	562943.8	4234117	1.82E-02	3.09E-03	1.47E-02	2.41E-03	1.80E-03
3155	562952.6	4234114	1.79E-02	3.04E-03	1.45E-02	2.37E-03	1.77E-03
3156	562961.4	4234111	1.76E-02	2.99E-03	1.42E-02	2.33E-03	1.74E-03
3157	562987.8	4234103	1.64E-02	2.78E-03	1.32E-02	2.17E-03	1.62E-03
3158	562996.6	4234100	1.59E-02	2.70E-03	1.28E-02	2.10E-03	1.57E-03
3159	563005.4	4234097	1.54E-02	2.61E-03	1.24E-02	2.04E-03	1.52E-03
3160	563014.2	4234094	1.48E-02	2.51E-03	1.19E-02	1.96E-03	1.46E-03
3161	563023	4234091	1.42E-02	2.41E-03	1.15E-02	1.88E-03	1.40E-03
3162	563031.8	4234089	1.36E-02	2.30E-03	1.10E-02	1.80E-03	1.34E-03
3163	563040.5	4234086	1.30E-02	2.21E-03	1.05E-02	1.72E-03	1.29E-03
3164	563049.3	4234083	1.25E-02	2.12E-03	1.01E-02	1.65E-03	1.24E-03
3165	563058.1	4234080	1.20E-02	2.04E-03	9.69E-03	1.59E-03	1.18E-03
3166	563066.9	4234077	1.15E-02	1.95E-03	9.28E-03	1.52E-03	1.14E-03

3167	563075.7	4234075	1.10E-02	1.87E-03	8.89E-03	1.46E-03	1.09E-03
3168	563084.5	4234072	1.05E-02	1.79E-03	8.51E-03	1.39E-03	1.04E-03
3169	563093.3	4234069	1.01E-02	1.71E-03	8.15E-03	1.33E-03	9.97E-04
3170	563102.1	4234066	9.67E-03	1.64E-03	7.81E-03	1.28E-03	9.55E-04
3171	563110.9	4234063	9.27E-03	1.57E-03	7.49E-03	1.23E-03	9.16E-04
3172	563119.7	4234060	8.90E-03	1.51E-03	7.18E-03	1.18E-03	8.79E-04
3173	563128.5	4234058	8.55E-03	1.45E-03	6.90E-03	1.13E-03	8.44E-04
3174	562511.8	4234583	8.69E-03	1.48E-03	7.02E-03	1.15E-03	8.59E-04
3175	562511	4234593	8.65E-03	1.47E-03	6.98E-03	1.14E-03	8.54E-04
3176	562510.2	4234602	8.58E-03	1.46E-03	6.93E-03	1.13E-03	8.47E-04
3177	562509.4	4234611	8.49E-03	1.44E-03	6.86E-03	1.12E-03	8.39E-04
3178	562508.6	4234621	8.38E-03	1.42E-03	6.77E-03	1.11E-03	8.28E-04
3179	562507.8	4234630	8.25E-03	1.40E-03	6.66E-03	1.09E-03	8.15E-04
3180	562507	4234639	8.11E-03	1.38E-03	6.55E-03	1.07E-03	8.01E-04
3181	562506.2	4234649	7.95E-03	1.35E-03	6.42E-03	1.05E-03	7.85E-04
3182	562505.4	4234658	7.78E-03	1.32E-03	6.28E-03	1.03E-03	7.68E-04
3183	562504.6	4234667	7.59E-03	1.29E-03	6.13E-03	1.00E-03	7.50E-04
3184	562503.8	4234677	7.40E-03	1.26E-03	5.98E-03	9.79E-04	7.31E-04
3185	562503	4234686	7.20E-03	1.22E-03	5.81E-03	9.52E-04	7.11E-04
3186	562502.2	4234695	6.99E-03	1.19E-03	5.64E-03	9.24E-04	6.90E-04
3187	562476.2	4234572	8.08E-03	1.37E-03	6.52E-03	1.07E-03	7.98E-04
3188	562480.5	4234563	8.15E-03	1.38E-03	6.58E-03	1.08E-03	8.05E-04
3189	562484.7	4234555	8.21E-03	1.39E-03	6.63E-03	1.09E-03	8.11E-04
3190	562489	4234547	8.25E-03	1.40E-03	6.67E-03	1.09E-03	8.15E-04
3191	562493.3	4234539	8.28E-03	1.41E-03	6.69E-03	1.10E-03	8.18E-04
3192	562497.5	4234530	8.29E-03	1.41E-03	6.69E-03	1.10E-03	8.19E-04
3193	562501.8	4234522	8.28E-03	1.41E-03	6.69E-03	1.10E-03	8.18E-04
3194	562506	4234514	8.26E-03	1.40E-03	6.67E-03	1.09E-03	8.16E-04
3195	562510.3	4234506	8.23E-03	1.40E-03	6.64E-03	1.09E-03	8.12E-04
3196	562514.6	4234497	8.18E-03	1.39E-03	6.60E-03	1.08E-03	8.07E-04
3197	562518.8	4234489	8.11E-03	1.38E-03	6.55E-03	1.07E-03	8.01E-04
3198	562523.1	4234481	8.04E-03	1.36E-03	6.49E-03	1.06E-03	7.94E-04
3199	562527.4	4234473	7.96E-03	1.35E-03	6.42E-03	1.05E-03	7.86E-04
3200	562531.6	4234465	7.86E-03	1.33E-03	6.35E-03	1.04E-03	7.77E-04
3201	562535.9	4234456	7.76E-03	1.32E-03	6.27E-03	1.03E-03	7.67E-04
3202	562540.2	4234448	7.65E-03	1.30E-03	6.18E-03	1.01E-03	7.56E-04
3203	562544.4	4234440	7.54E-03	1.28E-03	6.09E-03	9.97E-04	7.45E-04
3204	562548.7	4234432	7.42E-03	1.26E-03	5.99E-03	9.81E-04	7.33E-04
3205	562553	4234423	7.30E-03	1.24E-03	5.90E-03	9.66E-04	7.21E-04
3206	562557.2	4234415	7.18E-03	1.22E-03	5.80E-03	9.50E-04	7.09E-04
3207	562561.5	4234407	7.06E-03	1.20E-03	5.70E-03	9.34E-04	6.98E-04
3208	562565.8	4234399	6.95E-03	1.18E-03	5.61E-03	9.19E-04	6.87E-04
3209	562570	4234390	6.85E-03	1.16E-03	5.53E-03	9.06E-04	6.76E-04
3210	562574.3	4234382	6.75E-03	1.15E-03	5.45E-03	8.93E-04	6.67E-04
3211	562578.6	4234374	6.67E-03	1.13E-03	5.39E-03	8.82E-04	6.59E-04
3212	562582.8	4234366	6.61E-03	1.12E-03	5.33E-03	8.74E-04	6.52E-04
3213	562587.1	4234357	6.56E-03	1.11E-03	5.29E-03	8.67E-04	6.47E-04
3214	562591.4	4234349	6.52E-03	1.11E-03	5.27E-03	8.63E-04	6.44E-04
3215	562595.6	4234341	6.51E-03	1.10E-03	5.26E-03	8.61E-04	6.43E-04
3216	562599.9	4234333	6.50E-03	1.10E-03	5.25E-03	8.60E-04	6.42E-04
3217	562604.2	4234324	6.48E-03	1.10E-03	5.23E-03	8.57E-04	6.40E-04
3218	562608.4	4234316	6.46E-03	1.10E-03	5.21E-03	8.54E-04	6.38E-04

3219	562612.7	4234308	6.43E-03	1.09E-03	5.19E-03	8.51E-04	6.35E-04
3220	562617	4234300	6.49E-03	1.10E-03	5.24E-03	8.59E-04	6.41E-04
3221	562621.2	4234291	6.59E-03	1.12E-03	5.32E-03	8.72E-04	6.51E-04
3222	562625.5	4234283	6.71E-03	1.14E-03	5.42E-03	8.87E-04	6.62E-04
3223	562629.8	4234275	6.84E-03	1.16E-03	5.52E-03	9.04E-04	6.75E-04
3224	562634	4234267	6.98E-03	1.18E-03	5.63E-03	9.23E-04	6.89E-04
3225	562638.3	4234258	7.13E-03	1.21E-03	5.76E-03	9.43E-04	7.04E-04
3226	562642.5	4234250	7.29E-03	1.24E-03	5.89E-03	9.64E-04	7.20E-04
3227	562646.8	4234242	7.53E-03	1.28E-03	6.08E-03	9.95E-04	7.43E-04
3228	562651.1	4234234	7.80E-03	1.32E-03	6.30E-03	1.03E-03	7.70E-04
3229	562655.3	4234225	8.05E-03	1.37E-03	6.50E-03	1.07E-03	7.95E-04
3230	562659.6	4234217	8.29E-03	1.41E-03	6.70E-03	1.10E-03	8.19E-04
3231	562663.9	4234209	8.50E-03	1.44E-03	6.86E-03	1.12E-03	8.39E-04
3232	562668.1	4234201	8.70E-03	1.48E-03	7.03E-03	1.15E-03	8.60E-04
3233	562672.4	4234192	8.91E-03	1.51E-03	7.20E-03	1.18E-03	8.80E-04
3234	562676.7	4234184	9.12E-03	1.55E-03	7.36E-03	1.21E-03	9.01E-04
3235	562680.9	4234176	9.33E-03	1.58E-03	7.53E-03	1.23E-03	9.21E-04
3236	562685.2	4234168	9.54E-03	1.62E-03	7.70E-03	1.26E-03	9.42E-04
3237	562698.3	4234156	1.01E-02	1.72E-03	8.17E-03	1.34E-03	9.99E-04
3238	562707.2	4234154	1.05E-02	1.78E-03	8.47E-03	1.39E-03	1.04E-03
3239	562716	4234151	1.09E-02	1.85E-03	8.79E-03	1.44E-03	1.08E-03
3240	562724.8	4234148	1.13E-02	1.91E-03	9.11E-03	1.49E-03	1.11E-03
3241	562733.7	4234145	1.17E-02	1.98E-03	9.44E-03	1.55E-03	1.15E-03
3242	562742.5	4234142	1.21E-02	2.05E-03	9.78E-03	1.60E-03	1.20E-03
3243	562751.4	4234139	1.25E-02	2.13E-03	1.01E-02	1.66E-03	1.24E-03
3244	562760.2	4234137	1.30E-02	2.20E-03	1.05E-02	1.71E-03	1.28E-03
3245	562769.1	4234134	1.34E-02	2.27E-03	1.08E-02	1.77E-03	1.32E-03
3246	562777.9	4234131	1.38E-02	2.34E-03	1.11E-02	1.82E-03	1.36E-03
3247	562786.8	4234128	1.42E-02	2.41E-03	1.15E-02	1.88E-03	1.40E-03
3248	562795.6	4234125	1.46E-02	2.48E-03	1.18E-02	1.93E-03	1.44E-03
3249	562804.4	4234123	1.50E-02	2.55E-03	1.21E-02	1.99E-03	1.48E-03
3250	562813.3	4234120	1.54E-02	2.61E-03	1.24E-02	2.04E-03	1.52E-03
3251	562822.1	4234117	1.58E-02	2.67E-03	1.27E-02	2.08E-03	1.56E-03
3252	562831	4234114	1.61E-02	2.73E-03	1.30E-02	2.13E-03	1.59E-03
3253	562839.8	4234111	1.64E-02	2.78E-03	1.32E-02	2.17E-03	1.62E-03
3254	562848.7	4234108	1.66E-02	2.83E-03	1.34E-02	2.20E-03	1.64E-03
3255	562857.5	4234106	1.69E-02	2.86E-03	1.36E-02	2.23E-03	1.67E-03
3256	562866.4	4234103	1.71E-02	2.89E-03	1.38E-02	2.26E-03	1.68E-03
3257	562875.2	4234100	1.72E-02	2.92E-03	1.39E-02	2.27E-03	1.70E-03
3258	562884	4234097	1.73E-02	2.93E-03	1.40E-02	2.29E-03	1.71E-03
3259	562892.9	4234094	1.73E-02	2.94E-03	1.40E-02	2.29E-03	1.71E-03
3260	562901.7	4234091	1.73E-02	2.94E-03	1.40E-02	2.29E-03	1.71E-03
3261	562910.6	4234089	1.72E-02	2.92E-03	1.39E-02	2.28E-03	1.70E-03
3262	562919.4	4234086	1.71E-02	2.90E-03	1.38E-02	2.26E-03	1.69E-03
3263	562928.3	4234083	1.69E-02	2.87E-03	1.37E-02	2.24E-03	1.67E-03
3264	562937.1	4234080	1.67E-02	2.84E-03	1.35E-02	2.21E-03	1.65E-03
3265	562946	4234077	1.64E-02	2.79E-03	1.33E-02	2.17E-03	1.62E-03
3266	562954.8	4234074	1.61E-02	2.74E-03	1.30E-02	2.13E-03	1.59E-03
3267	562990.2	4234063	1.45E-02	2.47E-03	1.17E-02	1.92E-03	1.44E-03
3268	562999	4234060	1.41E-02	2.39E-03	1.14E-02	1.86E-03	1.39E-03
3269	563007.9	4234057	1.36E-02	2.30E-03	1.10E-02	1.79E-03	1.34E-03
3270	563016.7	4234055	1.30E-02	2.21E-03	1.05E-02	1.72E-03	1.29E-03

3271	563025.5	4234052	1.25E-02	2.12E-03	1.01E-02	1.65E-03	1.23E-03
3272	563034.4	4234049	1.20E-02	2.03E-03	9.65E-03	1.58E-03	1.18E-03
3273	563043.2	4234046	1.15E-02	1.95E-03	9.28E-03	1.52E-03	1.13E-03
3274	563052.1	4234043	1.10E-02	1.87E-03	8.90E-03	1.46E-03	1.09E-03
3275	563060.9	4234040	1.06E-02	1.79E-03	8.54E-03	1.40E-03	1.04E-03
3276	563069.8	4234038	1.01E-02	1.72E-03	8.19E-03	1.34E-03	1.00E-03
3277	563078.6	4234035	9.73E-03	1.65E-03	7.85E-03	1.29E-03	9.61E-04
3278	563087.5	4234032	9.33E-03	1.58E-03	7.53E-03	1.23E-03	9.21E-04
3279	563096.3	4234029	8.95E-03	1.52E-03	7.22E-03	1.18E-03	8.84E-04
3280	563105.1	4234026	8.59E-03	1.46E-03	6.93E-03	1.14E-03	8.48E-04
3281	563114	4234023	8.25E-03	1.40E-03	6.66E-03	1.09E-03	8.15E-04
3282	563122.8	4234021	7.93E-03	1.35E-03	6.41E-03	1.05E-03	7.84E-04
3283	563131.7	4234018	7.64E-03	1.30E-03	6.17E-03	1.01E-03	7.55E-04
3284	562471.9	4234580	7.98E-03	1.35E-03	6.45E-03	1.06E-03	7.88E-04
3285	562471.1	4234589	7.93E-03	1.35E-03	6.40E-03	1.05E-03	7.83E-04
3286	562470.3	4234599	7.86E-03	1.33E-03	6.34E-03	1.04E-03	7.76E-04
3287	562469.5	4234608	7.77E-03	1.32E-03	6.27E-03	1.03E-03	7.67E-04
3288	562468.7	4234617	7.66E-03	1.30E-03	6.19E-03	1.01E-03	7.57E-04
3289	562467.9	4234627	7.55E-03	1.28E-03	6.09E-03	9.98E-04	7.45E-04
3290	562467.1	4234636	7.41E-03	1.26E-03	5.99E-03	9.80E-04	7.32E-04
3291	562466.3	4234645	7.27E-03	1.23E-03	5.87E-03	9.61E-04	7.18E-04
3292	562465.5	4234655	7.11E-03	1.21E-03	5.74E-03	9.41E-04	7.03E-04
3293	562464.7	4234664	6.95E-03	1.18E-03	5.61E-03	9.19E-04	6.87E-04
3294	562463.9	4234673	6.78E-03	1.15E-03	5.47E-03	8.97E-04	6.70E-04
3295	562463.2	4234682	6.60E-03	1.12E-03	5.33E-03	8.73E-04	6.52E-04
3296	562462.4	4234692	6.42E-03	1.09E-03	5.18E-03	8.48E-04	6.34E-04
3297	562436.4	4234568	7.44E-03	1.26E-03	6.01E-03	9.84E-04	7.35E-04
3298	562440.6	4234560	7.52E-03	1.28E-03	6.07E-03	9.95E-04	7.43E-04
3299	562444.9	4234552	7.59E-03	1.29E-03	6.13E-03	1.00E-03	7.49E-04
3300	562449.2	4234543	7.64E-03	1.30E-03	6.17E-03	1.01E-03	7.55E-04
3301	562453.5	4234535	7.68E-03	1.30E-03	6.20E-03	1.02E-03	7.58E-04
3302	562457.8	4234527	7.70E-03	1.31E-03	6.22E-03	1.02E-03	7.60E-04
3303	562462.1	4234519	7.71E-03	1.31E-03	6.22E-03	1.02E-03	7.61E-04
3304	562466.4	4234510	7.70E-03	1.31E-03	6.22E-03	1.02E-03	7.61E-04
3305	562470.7	4234502	7.68E-03	1.30E-03	6.20E-03	1.02E-03	7.59E-04
3306	562475	4234494	7.65E-03	1.30E-03	6.18E-03	1.01E-03	7.55E-04
3307	562479.2	4234485	7.61E-03	1.29E-03	6.14E-03	1.01E-03	7.51E-04
3308	562483.5	4234477	7.55E-03	1.28E-03	6.10E-03	9.98E-04	7.46E-04
3309	562487.8	4234469	7.48E-03	1.27E-03	6.04E-03	9.89E-04	7.39E-04
3310	562492.1	4234460	7.40E-03	1.26E-03	5.98E-03	9.79E-04	7.31E-04
3311	562496.4	4234452	7.32E-03	1.24E-03	5.91E-03	9.68E-04	7.23E-04
3312	562500.7	4234444	7.22E-03	1.23E-03	5.83E-03	9.55E-04	7.13E-04
3313	562505	4234436	7.12E-03	1.21E-03	5.75E-03	9.42E-04	7.03E-04
3314	562509.3	4234427	7.01E-03	1.19E-03	5.66E-03	9.27E-04	6.92E-04
3315	562513.6	4234419	6.90E-03	1.17E-03	5.57E-03	9.12E-04	6.81E-04
3316	562517.8	4234411	6.78E-03	1.15E-03	5.48E-03	8.97E-04	6.70E-04
3317	562522.1	4234402	6.67E-03	1.13E-03	5.38E-03	8.82E-04	6.58E-04
3318	562526.4	4234394	6.55E-03	1.11E-03	5.29E-03	8.66E-04	6.47E-04
3319	562530.7	4234386	6.44E-03	1.09E-03	5.20E-03	8.51E-04	6.36E-04
3320	562535	4234378	6.33E-03	1.07E-03	5.11E-03	8.37E-04	6.25E-04
3321	562539.3	4234369	6.23E-03	1.06E-03	5.03E-03	8.25E-04	6.16E-04
3322	562543.6	4234361	6.15E-03	1.04E-03	4.96E-03	8.13E-04	6.07E-04

3323	562547.9	4234353	6.07E-03	1.03E-03	4.90E-03	8.03E-04	6.00E-04
3324	562552.1	4234344	6.01E-03	1.02E-03	4.85E-03	7.95E-04	5.94E-04
3325	562556.4	4234336	5.96E-03	1.01E-03	4.81E-03	7.89E-04	5.89E-04
3326	562560.7	4234328	5.93E-03	1.01E-03	4.79E-03	7.85E-04	5.86E-04
3327	562565	4234319	5.92E-03	1.00E-03	4.78E-03	7.83E-04	5.85E-04
3328	562569.3	4234311	5.92E-03	1.01E-03	4.78E-03	7.83E-04	5.85E-04
3329	562573.6	4234303	5.93E-03	1.01E-03	4.79E-03	7.84E-04	5.86E-04
3330	562577.9	4234295	5.92E-03	1.00E-03	4.78E-03	7.83E-04	5.85E-04
3331	562582.2	4234286	5.91E-03	1.00E-03	4.77E-03	7.82E-04	5.84E-04
3332	562586.5	4234278	5.91E-03	1.00E-03	4.78E-03	7.82E-04	5.84E-04
3333	562590.7	4234270	5.99E-03	1.02E-03	4.83E-03	7.92E-04	5.91E-04
3334	562595	4234261	6.09E-03	1.03E-03	4.91E-03	8.05E-04	6.01E-04
3335	562599.3	4234253	6.20E-03	1.05E-03	5.00E-03	8.20E-04	6.12E-04
3336	562603.6	4234245	6.32E-03	1.07E-03	5.10E-03	8.36E-04	6.24E-04
3337	562607.9	4234237	6.45E-03	1.09E-03	5.21E-03	8.53E-04	6.37E-04
3338	562612.2	4234228	6.59E-03	1.12E-03	5.32E-03	8.72E-04	6.51E-04
3339	562616.5	4234220	6.76E-03	1.15E-03	5.46E-03	8.94E-04	6.68E-04
3340	562620.8	4234212	6.96E-03	1.18E-03	5.62E-03	9.20E-04	6.87E-04
3341	562625.1	4234203	7.16E-03	1.21E-03	5.78E-03	9.46E-04	7.07E-04
3342	562629.3	4234195	7.36E-03	1.25E-03	5.94E-03	9.73E-04	7.27E-04
3343	562633.6	4234187	7.57E-03	1.28E-03	6.11E-03	1.00E-03	7.48E-04
3344	562637.9	4234179	7.78E-03	1.32E-03	6.28E-03	1.03E-03	7.69E-04
3345	562642.2	4234170	8.00E-03	1.36E-03	6.46E-03	1.06E-03	7.90E-04
3346	562646.5	4234162	8.19E-03	1.39E-03	6.62E-03	1.08E-03	8.09E-04
3347	562650.8	4234154	8.38E-03	1.42E-03	6.77E-03	1.11E-03	8.28E-04
3348	562655.1	4234145	8.57E-03	1.45E-03	6.92E-03	1.13E-03	8.46E-04
3349	562659.4	4234137	8.75E-03	1.49E-03	7.07E-03	1.16E-03	8.64E-04
3350	562672.5	4234126	9.26E-03	1.57E-03	7.48E-03	1.22E-03	9.15E-04
3351	562681.4	4234123	9.60E-03	1.63E-03	7.75E-03	1.27E-03	9.48E-04
3352	562690.3	4234120	9.94E-03	1.69E-03	8.03E-03	1.31E-03	9.82E-04
3353	562699.2	4234117	1.03E-02	1.75E-03	8.31E-03	1.36E-03	1.02E-03
3354	562708.1	4234115	1.07E-02	1.81E-03	8.60E-03	1.41E-03	1.05E-03
3355	562717	4234112	1.10E-02	1.87E-03	8.90E-03	1.46E-03	1.09E-03
3356	562725.9	4234109	1.14E-02	1.93E-03	9.20E-03	1.51E-03	1.13E-03
3357	562734.8	4234106	1.18E-02	2.00E-03	9.50E-03	1.56E-03	1.16E-03
3358	562743.7	4234103	1.22E-02	2.06E-03	9.81E-03	1.61E-03	1.20E-03
3359	562752.6	4234100	1.25E-02	2.13E-03	1.01E-02	1.66E-03	1.24E-03
3360	562761.5	4234097	1.29E-02	2.19E-03	1.04E-02	1.71E-03	1.27E-03
3361	562770.4	4234095	1.33E-02	2.25E-03	1.07E-02	1.76E-03	1.31E-03
3362	562779.2	4234092	1.36E-02	2.32E-03	1.10E-02	1.80E-03	1.35E-03
3363	562788.1	4234089	1.40E-02	2.38E-03	1.13E-02	1.85E-03	1.38E-03
3364	562797	4234086	1.43E-02	2.43E-03	1.16E-02	1.90E-03	1.42E-03
3365	562805.9	4234083	1.47E-02	2.49E-03	1.18E-02	1.94E-03	1.45E-03
3366	562814.8	4234080	1.50E-02	2.54E-03	1.21E-02	1.98E-03	1.48E-03
3367	562823.7	4234078	1.52E-02	2.58E-03	1.23E-02	2.01E-03	1.50E-03
3368	562832.6	4234075	1.55E-02	2.62E-03	1.25E-02	2.05E-03	1.53E-03
3369	562841.5	4234072	1.57E-02	2.66E-03	1.27E-02	2.07E-03	1.55E-03
3370	562850.4	4234069	1.58E-02	2.69E-03	1.28E-02	2.10E-03	1.56E-03
3371	562859.3	4234066	1.60E-02	2.71E-03	1.29E-02	2.11E-03	1.58E-03
3372	562868.2	4234063	1.61E-02	2.72E-03	1.30E-02	2.12E-03	1.59E-03
3373	562877.1	4234060	1.61E-02	2.73E-03	1.30E-02	2.13E-03	1.59E-03
3374	562885.9	4234058	1.61E-02	2.73E-03	1.30E-02	2.13E-03	1.59E-03

3375	562894.8	4234055	1.60E-02	2.72E-03	1.30E-02	2.12E-03	1.58E-03
3376	562903.7	4234052	1.59E-02	2.71E-03	1.29E-02	2.11E-03	1.58E-03
3377	562912.6	4234049	1.58E-02	2.68E-03	1.28E-02	2.09E-03	1.56E-03
3378	562921.5	4234046	1.56E-02	2.65E-03	1.26E-02	2.07E-03	1.54E-03
3379	562930.4	4234043	1.54E-02	2.61E-03	1.24E-02	2.04E-03	1.52E-03
3380	562939.3	4234041	1.51E-02	2.57E-03	1.22E-02	2.00E-03	1.49E-03
3381	562948.2	4234038	1.48E-02	2.51E-03	1.20E-02	1.96E-03	1.46E-03
3382	562957.1	4234035	1.45E-02	2.46E-03	1.17E-02	1.92E-03	1.43E-03
3383	562966	4234032	1.41E-02	2.40E-03	1.14E-02	1.87E-03	1.39E-03
3384	562992.6	4234023	1.29E-02	2.19E-03	1.04E-02	1.71E-03	1.28E-03
3385	563001.5	4234021	1.25E-02	2.12E-03	1.01E-02	1.65E-03	1.23E-03
3386	563010.4	4234018	1.20E-02	2.04E-03	9.70E-03	1.59E-03	1.19E-03
3387	563019.3	4234015	1.15E-02	1.96E-03	9.31E-03	1.52E-03	1.14E-03
3388	563028.2	4234012	1.10E-02	1.87E-03	8.92E-03	1.46E-03	1.09E-03
3389	563037.1	4234009	1.06E-02	1.80E-03	8.55E-03	1.40E-03	1.05E-03
3390	563046	4234006	1.02E-02	1.73E-03	8.22E-03	1.35E-03	1.01E-03
3391	563054.9	4234004	9.78E-03	1.66E-03	7.90E-03	1.29E-03	9.66E-04
3392	563063.8	4234001	9.39E-03	1.59E-03	7.58E-03	1.24E-03	9.27E-04
3393	563072.7	4233998	9.01E-03	1.53E-03	7.28E-03	1.19E-03	8.90E-04
3394	563081.6	4233995	8.65E-03	1.47E-03	6.99E-03	1.14E-03	8.55E-04
3395	563090.5	4233992	8.31E-03	1.41E-03	6.71E-03	1.10E-03	8.21E-04
3396	563099.3	4233989	7.99E-03	1.36E-03	6.45E-03	1.06E-03	7.89E-04
3397	563108.2	4233986	7.68E-03	1.30E-03	6.20E-03	1.02E-03	7.59E-04
3398	563117.1	4233984	7.39E-03	1.25E-03	5.97E-03	9.78E-04	7.30E-04
3399	563126	4233981	7.13E-03	1.21E-03	5.75E-03	9.43E-04	7.04E-04
3400	563134.9	4233978	6.88E-03	1.17E-03	5.55E-03	9.10E-04	6.79E-04
3401	562432.1	4234577	7.35E-03	1.25E-03	5.93E-03	9.72E-04	7.26E-04
3402	562431.3	4234586	7.29E-03	1.24E-03	5.89E-03	9.64E-04	7.20E-04
3403	562430.5	4234595	7.22E-03	1.23E-03	5.83E-03	9.55E-04	7.13E-04
3404	562429.7	4234605	7.14E-03	1.21E-03	5.76E-03	9.44E-04	7.05E-04
3405	562428.9	4234614	7.04E-03	1.19E-03	5.68E-03	9.31E-04	6.95E-04
3406	562428.1	4234623	6.93E-03	1.18E-03	5.59E-03	9.16E-04	6.84E-04
3407	562427.3	4234632	6.81E-03	1.16E-03	5.50E-03	9.00E-04	6.72E-04
3408	562426.5	4234642	6.68E-03	1.13E-03	5.39E-03	8.83E-04	6.60E-04
3409	562425.7	4234651	6.54E-03	1.11E-03	5.28E-03	8.65E-04	6.46E-04
3410	562424.9	4234660	6.39E-03	1.08E-03	5.16E-03	8.45E-04	6.31E-04
3411	562424.1	4234670	6.24E-03	1.06E-03	5.04E-03	8.25E-04	6.16E-04
3412	562423.3	4234679	6.08E-03	1.03E-03	4.91E-03	8.04E-04	6.01E-04
3413	562422.5	4234688	5.92E-03	1.00E-03	4.78E-03	7.82E-04	5.84E-04
3414	562396.4	4234565	6.88E-03	1.17E-03	5.55E-03	9.09E-04	6.79E-04
3415	562400.7	4234557	6.95E-03	1.18E-03	5.62E-03	9.20E-04	6.87E-04
3416	562404.9	4234549	7.02E-03	1.19E-03	5.67E-03	9.29E-04	6.94E-04
3417	562409.2	4234540	7.08E-03	1.20E-03	5.72E-03	9.36E-04	6.99E-04
3418	562413.4	4234532	7.13E-03	1.21E-03	5.75E-03	9.42E-04	7.04E-04
3419	562417.6	4234524	7.16E-03	1.21E-03	5.78E-03	9.47E-04	7.07E-04
3420	562421.9	4234516	7.18E-03	1.22E-03	5.80E-03	9.49E-04	7.09E-04
3421	562426.1	4234508	7.19E-03	1.22E-03	5.80E-03	9.51E-04	7.10E-04
3422	562430.3	4234499	7.19E-03	1.22E-03	5.80E-03	9.50E-04	7.10E-04
3423	562434.6	4234491	7.17E-03	1.22E-03	5.79E-03	9.48E-04	7.08E-04
3424	562438.8	4234483	7.14E-03	1.21E-03	5.77E-03	9.45E-04	7.06E-04
3425	562443	4234475	7.11E-03	1.21E-03	5.74E-03	9.40E-04	7.02E-04
3426	562447.3	4234467	7.06E-03	1.20E-03	5.70E-03	9.34E-04	6.97E-04

3427	562451.5	4234459	7.00E-03	1.19E-03	5.65E-03	9.26E-04	6.92E-04
3428	562455.7	4234450	6.93E-03	1.18E-03	5.60E-03	9.17E-04	6.85E-04
3429	562460	4234442	6.86E-03	1.16E-03	5.54E-03	9.07E-04	6.77E-04
3430	562464.2	4234434	6.77E-03	1.15E-03	5.47E-03	8.96E-04	6.69E-04
3431	562468.4	4234426	6.68E-03	1.13E-03	5.39E-03	8.84E-04	6.60E-04
3432	562472.7	4234418	6.58E-03	1.12E-03	5.31E-03	8.70E-04	6.50E-04
3433	562476.9	4234409	6.48E-03	1.10E-03	5.23E-03	8.57E-04	6.40E-04
3434	562481.1	4234401	6.37E-03	1.08E-03	5.14E-03	8.42E-04	6.29E-04
3435	562485.4	4234393	6.26E-03	1.06E-03	5.06E-03	8.28E-04	6.18E-04
3436	562489.6	4234385	6.15E-03	1.04E-03	4.97E-03	8.13E-04	6.07E-04
3437	562493.8	4234377	6.04E-03	1.03E-03	4.88E-03	7.99E-04	5.97E-04
3438	562498.1	4234368	5.94E-03	1.01E-03	4.79E-03	7.85E-04	5.86E-04
3439	562502.3	4234360	5.83E-03	9.90E-04	4.71E-03	7.72E-04	5.76E-04
3440	562506.6	4234352	5.74E-03	9.74E-04	4.64E-03	7.59E-04	5.67E-04
3441	562510.8	4234344	5.66E-03	9.60E-04	4.57E-03	7.48E-04	5.59E-04
3442	562515	4234336	5.58E-03	9.47E-04	4.51E-03	7.38E-04	5.51E-04
3443	562519.3	4234327	5.52E-03	9.37E-04	4.46E-03	7.30E-04	5.45E-04
3444	562523.5	4234319	5.47E-03	9.28E-04	4.42E-03	7.23E-04	5.40E-04
3445	562527.7	4234311	5.44E-03	9.22E-04	4.39E-03	7.19E-04	5.37E-04
3446	562532	4234303	5.41E-03	9.19E-04	4.37E-03	7.16E-04	5.35E-04
3447	562536.2	4234295	5.41E-03	9.18E-04	4.37E-03	7.15E-04	5.34E-04
3448	562540.4	4234287	5.42E-03	9.19E-04	4.37E-03	7.16E-04	5.35E-04
3449	562544.7	4234278	5.44E-03	9.23E-04	4.39E-03	7.20E-04	5.37E-04
3450	562548.9	4234270	5.45E-03	9.24E-04	4.40E-03	7.20E-04	5.38E-04
3451	562553.1	4234262	5.45E-03	9.24E-04	4.40E-03	7.21E-04	5.38E-04
3452	562557.4	4234254	5.46E-03	9.26E-04	4.41E-03	7.22E-04	5.39E-04
3453	562561.6	4234246	5.49E-03	9.32E-04	4.43E-03	7.26E-04	5.42E-04
3454	562565.8	4234237	5.58E-03	9.47E-04	4.51E-03	7.38E-04	5.51E-04
3455	562570.1	4234229	5.68E-03	9.63E-04	4.58E-03	7.51E-04	5.61E-04
3456	562574.3	4234221	5.79E-03	9.82E-04	4.67E-03	7.65E-04	5.71E-04
3457	562578.5	4234213	5.90E-03	1.00E-03	4.77E-03	7.80E-04	5.83E-04
3458	562582.8	4234205	6.03E-03	1.02E-03	4.87E-03	7.97E-04	5.95E-04
3459	562587	4234196	6.16E-03	1.04E-03	4.97E-03	8.14E-04	6.08E-04
3460	562591.2	4234188	6.29E-03	1.07E-03	5.08E-03	8.32E-04	6.21E-04
3461	562595.5	4234180	6.43E-03	1.09E-03	5.19E-03	8.51E-04	6.35E-04
3462	562599.7	4234172	6.58E-03	1.12E-03	5.31E-03	8.70E-04	6.50E-04
3463	562604	4234164	6.73E-03	1.14E-03	5.43E-03	8.90E-04	6.65E-04
3464	562608.2	4234156	6.88E-03	1.17E-03	5.56E-03	9.10E-04	6.80E-04
3465	562612.4	4234147	7.04E-03	1.19E-03	5.68E-03	9.31E-04	6.95E-04
3466	562616.7	4234139	7.22E-03	1.22E-03	5.83E-03	9.54E-04	7.13E-04
3467	562620.9	4234131	7.41E-03	1.26E-03	5.98E-03	9.80E-04	7.32E-04
3468	562625.1	4234123	7.60E-03	1.29E-03	6.14E-03	1.01E-03	7.51E-04
3469	562629.4	4234115	7.80E-03	1.32E-03	6.30E-03	1.03E-03	7.70E-04
3470	562633.6	4234106	7.99E-03	1.36E-03	6.45E-03	1.06E-03	7.89E-04
3471	562646.6	4234095	8.51E-03	1.44E-03	6.87E-03	1.13E-03	8.41E-04
3472	562655.4	4234093	8.80E-03	1.49E-03	7.11E-03	1.16E-03	8.69E-04
3473	562664.2	4234090	9.10E-03	1.54E-03	7.35E-03	1.20E-03	8.99E-04
3474	562673	4234087	9.41E-03	1.60E-03	7.60E-03	1.24E-03	9.29E-04
3475	562681.7	4234084	9.72E-03	1.65E-03	7.85E-03	1.29E-03	9.60E-04
3476	562690.5	4234081	1.00E-02	1.70E-03	8.11E-03	1.33E-03	9.92E-04
3477	562699.3	4234079	1.04E-02	1.76E-03	8.37E-03	1.37E-03	1.02E-03
3478	562708.1	4234076	1.07E-02	1.82E-03	8.64E-03	1.42E-03	1.06E-03

3479	562716.9	4234073	1.10E-02	1.87E-03	8.91E-03	1.46E-03	1.09E-03
3480	562725.6	4234070	1.14E-02	1.93E-03	9.18E-03	1.50E-03	1.12E-03
3481	562734.4	4234067	1.17E-02	1.99E-03	9.45E-03	1.55E-03	1.16E-03
3482	562743.2	4234064	1.20E-02	2.04E-03	9.72E-03	1.59E-03	1.19E-03
3483	562752	4234062	1.24E-02	2.10E-03	9.99E-03	1.64E-03	1.22E-03
3484	562760.8	4234059	1.27E-02	2.15E-03	1.02E-02	1.68E-03	1.25E-03
3485	562769.5	4234056	1.30E-02	2.21E-03	1.05E-02	1.72E-03	1.28E-03
3486	562778.3	4234053	1.33E-02	2.26E-03	1.07E-02	1.76E-03	1.31E-03
3487	562787.1	4234050	1.36E-02	2.31E-03	1.10E-02	1.80E-03	1.34E-03
3488	562795.9	4234048	1.39E-02	2.35E-03	1.12E-02	1.83E-03	1.37E-03
3489	562804.7	4234045	1.41E-02	2.40E-03	1.14E-02	1.87E-03	1.39E-03
3490	562813.4	4234042	1.43E-02	2.43E-03	1.16E-02	1.90E-03	1.42E-03
3491	562822.2	4234039	1.45E-02	2.47E-03	1.17E-02	1.92E-03	1.44E-03
3492	562831	4234036	1.47E-02	2.49E-03	1.19E-02	1.94E-03	1.45E-03
3493	562839.8	4234034	1.48E-02	2.52E-03	1.20E-02	1.96E-03	1.47E-03
3494	562848.6	4234031	1.49E-02	2.53E-03	1.21E-02	1.98E-03	1.47E-03
3495	562857.3	4234028	1.50E-02	2.54E-03	1.21E-02	1.98E-03	1.48E-03
3496	562866.1	4234025	1.50E-02	2.55E-03	1.21E-02	1.99E-03	1.48E-03
3497	562874.9	4234022	1.50E-02	2.55E-03	1.21E-02	1.98E-03	1.48E-03
3498	562883.7	4234020	1.49E-02	2.54E-03	1.21E-02	1.98E-03	1.48E-03
3499	562892.5	4234017	1.49E-02	2.52E-03	1.20E-02	1.96E-03	1.47E-03
3500	562901.2	4234014	1.47E-02	2.50E-03	1.19E-02	1.95E-03	1.45E-03
3501	562910	4234011	1.45E-02	2.47E-03	1.17E-02	1.92E-03	1.44E-03
3502	562918.8	4234008	1.43E-02	2.43E-03	1.16E-02	1.90E-03	1.42E-03
3503	562927.6	4234005	1.41E-02	2.39E-03	1.14E-02	1.87E-03	1.39E-03
3504	562936.4	4234003	1.38E-02	2.35E-03	1.12E-02	1.83E-03	1.37E-03
3505	562945.1	4234000	1.35E-02	2.30E-03	1.09E-02	1.79E-03	1.34E-03
3506	562953.9	4233997	1.32E-02	2.24E-03	1.07E-02	1.75E-03	1.31E-03
3507	562962.7	4233994	1.29E-02	2.19E-03	1.04E-02	1.70E-03	1.27E-03
3508	562971.5	4233991	1.25E-02	2.13E-03	1.01E-02	1.66E-03	1.24E-03
3509	562997.8	4233983	1.14E-02	1.93E-03	9.21E-03	1.51E-03	1.13E-03
3510	563006.6	4233980	1.10E-02	1.87E-03	8.88E-03	1.45E-03	1.09E-03
3511	563015.4	4233977	1.06E-02	1.79E-03	8.53E-03	1.40E-03	1.04E-03
3512	563024.2	4233975	1.02E-02	1.72E-03	8.20E-03	1.34E-03	1.00E-03
3513	563032.9	4233972	9.75E-03	1.65E-03	7.87E-03	1.29E-03	9.63E-04
3514	563041.7	4233969	9.39E-03	1.59E-03	7.58E-03	1.24E-03	9.27E-04
3515	563050.5	4233966	9.03E-03	1.53E-03	7.29E-03	1.19E-03	8.92E-04
3516	563059.3	4233963	8.67E-03	1.47E-03	7.00E-03	1.15E-03	8.57E-04
3517	563068.1	4233961	8.33E-03	1.41E-03	6.73E-03	1.10E-03	8.23E-04
3518	563076.8	4233958	8.02E-03	1.36E-03	6.47E-03	1.06E-03	7.92E-04
3519	563085.6	4233955	7.72E-03	1.31E-03	6.23E-03	1.02E-03	7.62E-04
3520	563094.4	4233952	7.43E-03	1.26E-03	6.00E-03	9.82E-04	7.34E-04
3521	563103.2	4233949	7.16E-03	1.21E-03	5.78E-03	9.46E-04	7.07E-04
3522	563112	4233946	6.90E-03	1.17E-03	5.57E-03	9.12E-04	6.81E-04
3523	563120.7	4233944	6.66E-03	1.13E-03	5.38E-03	8.81E-04	6.58E-04
3524	563129.5	4233941	6.44E-03	1.09E-03	5.20E-03	8.51E-04	6.36E-04
3525	563138.3	4233938	6.23E-03	1.06E-03	5.03E-03	8.24E-04	6.15E-04
3526	562392.2	4234573	6.79E-03	1.15E-03	5.48E-03	8.97E-04	6.70E-04
3527	562391.4	4234582	6.73E-03	1.14E-03	5.43E-03	8.90E-04	6.64E-04
3528	562390.6	4234592	6.66E-03	1.13E-03	5.38E-03	8.81E-04	6.58E-04
3529	562389.8	4234601	6.58E-03	1.12E-03	5.31E-03	8.70E-04	6.50E-04
3530	562389	4234610	6.49E-03	1.10E-03	5.24E-03	8.58E-04	6.41E-04

3531	562388.2	4234620	6.39E-03	1.08E-03	5.16E-03	8.45E-04	6.31E-04
3532	562387.4	4234629	6.28E-03	1.07E-03	5.07E-03	8.30E-04	6.20E-04
3533	562386.6	4234638	6.16E-03	1.05E-03	4.97E-03	8.15E-04	6.08E-04
3534	562385.8	4234648	6.04E-03	1.02E-03	4.87E-03	7.98E-04	5.96E-04
3535	562385	4234657	5.91E-03	1.00E-03	4.77E-03	7.81E-04	5.83E-04
3536	562384.2	4234666	5.77E-03	9.79E-04	4.66E-03	7.63E-04	5.70E-04
3537	562383.4	4234676	5.63E-03	9.55E-04	4.54E-03	7.44E-04	5.56E-04
3538	562382.6	4234685	5.48E-03	9.30E-04	4.42E-03	7.25E-04	5.41E-04
3539	563069.3	4234753	1.32E-01	2.24E-02	1.07E-01	1.75E-02	1.31E-02
3540	563068.5	4234763	1.28E-01	2.17E-02	1.03E-01	1.69E-02	1.26E-02
3541	563067.6	4234773	1.22E-01	2.07E-02	9.85E-02	1.61E-02	1.20E-02
3542	563066.8	4234782	1.16E-01	1.96E-02	9.34E-02	1.53E-02	1.14E-02
3543	563066	4234792	1.09E-01	1.85E-02	8.81E-02	1.44E-02	1.08E-02
3544	563065.2	4234801	1.02E-01	1.73E-02	8.25E-02	1.35E-02	1.01E-02
3545	563064.3	4234811	9.50E-02	1.61E-02	7.67E-02	1.26E-02	9.38E-03
3546	563063.5	4234821	8.76E-02	1.49E-02	7.07E-02	1.16E-02	8.65E-03
3547	563062.7	4234830	8.01E-02	1.36E-02	6.47E-02	1.06E-02	7.91E-03
3548	563061.8	4234840	7.24E-02	1.23E-02	5.84E-02	9.57E-03	7.15E-03
3549	563061	4234849	6.47E-02	1.10E-02	5.23E-02	8.56E-03	6.39E-03
3550	563060.2	4234859	5.78E-02	9.80E-03	4.66E-02	7.64E-03	5.71E-03
3551	563059.3	4234753	1.12E-01	1.90E-02	9.02E-02	1.48E-02	1.10E-02
3552	563058.5	4234762	1.08E-01	1.83E-02	8.70E-02	1.42E-02	1.06E-02
3553	563057.7	4234772	1.02E-01	1.74E-02	8.27E-02	1.36E-02	1.01E-02
3554	563056.8	4234781	9.70E-02	1.65E-02	7.83E-02	1.28E-02	9.58E-03
3555	563056	4234791	9.13E-02	1.55E-02	7.37E-02	1.21E-02	9.02E-03
3556	563055.2	4234801	8.55E-02	1.45E-02	6.91E-02	1.13E-02	8.45E-03
3557	563054.4	4234810	7.96E-02	1.35E-02	6.43E-02	1.05E-02	7.87E-03
3558	563053.5	4234820	7.37E-02	1.25E-02	5.95E-02	9.75E-03	7.28E-03
3559	563052.7	4234829	6.76E-02	1.15E-02	5.46E-02	8.94E-03	6.67E-03
3560	563051.9	4234839	6.11E-02	1.04E-02	4.94E-02	8.09E-03	6.04E-03
3561	563051	4234849	5.46E-02	9.26E-03	4.41E-02	7.22E-03	5.39E-03
3562	563050.2	4234858	4.85E-02	8.22E-03	3.91E-02	6.41E-03	4.79E-03
3563	563049.4	4234752	9.57E-02	1.62E-02	7.72E-02	1.27E-02	9.45E-03
3564	563048.5	4234761	9.22E-02	1.56E-02	7.45E-02	1.22E-02	9.11E-03
3565	563047.7	4234771	8.76E-02	1.49E-02	7.07E-02	1.16E-02	8.65E-03
3566	563046.9	4234780	8.29E-02	1.41E-02	6.69E-02	1.10E-02	8.18E-03
3567	563046.1	4234790	7.81E-02	1.32E-02	6.30E-02	1.03E-02	7.71E-03
3568	563045.2	4234800	7.33E-02	1.24E-02	5.92E-02	9.69E-03	7.24E-03
3569	563044.4	4234809	6.85E-02	1.16E-02	5.53E-02	9.05E-03	6.76E-03
3570	563043.6	4234819	6.35E-02	1.08E-02	5.13E-02	8.40E-03	6.27E-03
3571	563042.7	4234829	5.83E-02	9.90E-03	4.71E-02	7.71E-03	5.76E-03
3572	563041.9	4234838	5.28E-02	8.96E-03	4.26E-02	6.98E-03	5.21E-03
3573	563041.1	4234848	4.70E-02	7.98E-03	3.80E-02	6.22E-03	4.65E-03
3574	563040.2	4234857	4.17E-02	7.07E-03	3.36E-02	5.51E-03	4.11E-03
3575	563039.4	4234751	8.30E-02	1.41E-02	6.70E-02	1.10E-02	8.20E-03
3576	563038.6	4234760	8.01E-02	1.36E-02	6.47E-02	1.06E-02	7.91E-03
3577	563037.8	4234770	7.61E-02	1.29E-02	6.14E-02	1.01E-02	7.51E-03
3578	563036.9	4234780	7.21E-02	1.22E-02	5.82E-02	9.53E-03	7.12E-03
3579	563036.1	4234789	6.81E-02	1.15E-02	5.50E-02	9.00E-03	6.72E-03
3580	563035.3	4234799	6.40E-02	1.09E-02	5.17E-02	8.47E-03	6.33E-03
3581	563034.4	4234808	6.00E-02	1.02E-02	4.84E-02	7.93E-03	5.92E-03
3582	563033.6	4234818	5.57E-02	9.45E-03	4.50E-02	7.37E-03	5.50E-03

3583	563032.8	4234828	5.12E-02	8.68E-03	4.13E-02	6.77E-03	5.05E-03
3584	563031.9	4234837	4.63E-02	7.85E-03	3.74E-02	6.12E-03	4.57E-03
3585	563031.1	4234847	4.13E-02	7.01E-03	3.33E-02	5.46E-03	4.08E-03
3586	563030.3	4234856	3.65E-02	6.20E-03	2.95E-02	4.83E-03	3.61E-03
3587	563029.5	4234750	7.24E-02	1.23E-02	5.84E-02	9.57E-03	7.15E-03
3588	563028.6	4234760	6.98E-02	1.18E-02	5.63E-02	9.23E-03	6.89E-03
3589	563027.8	4234769	6.66E-02	1.13E-02	5.37E-02	8.80E-03	6.57E-03
3590	563027	4234779	6.34E-02	1.08E-02	5.12E-02	8.38E-03	6.26E-03
3591	563026.1	4234788	6.03E-02	1.02E-02	4.87E-02	7.97E-03	5.95E-03
3592	563025.3	4234798	5.68E-02	9.64E-03	4.59E-02	7.52E-03	5.61E-03
3593	563024.5	4234808	5.33E-02	9.04E-03	4.30E-02	7.05E-03	5.26E-03
3594	563023.6	4234817	4.95E-02	8.40E-03	4.00E-02	6.55E-03	4.89E-03
3595	563022.8	4234827	4.54E-02	7.71E-03	3.67E-02	6.01E-03	4.49E-03
3596	563022	4234836	4.11E-02	6.98E-03	3.32E-02	5.44E-03	4.06E-03
3597	563021.2	4234846	3.68E-02	6.24E-03	2.97E-02	4.86E-03	3.63E-03
3598	563020.3	4234856	3.26E-02	5.54E-03	2.64E-02	4.32E-03	3.22E-03
3599	563019.5	4234749	6.34E-02	1.08E-02	5.12E-02	8.38E-03	6.26E-03
3600	563018.7	4234759	6.10E-02	1.04E-02	4.93E-02	8.07E-03	6.03E-03
3601	563017.8	4234768	5.87E-02	9.96E-03	4.74E-02	7.76E-03	5.80E-03
3602	563017	4234778	5.64E-02	9.57E-03	4.56E-02	7.46E-03	5.57E-03
3603	563016.2	4234788	5.40E-02	9.17E-03	4.36E-02	7.15E-03	5.34E-03
3604	563015.3	4234797	5.10E-02	8.66E-03	4.12E-02	6.75E-03	5.04E-03
3605	563014.5	4234807	4.79E-02	8.12E-03	3.86E-02	6.33E-03	4.73E-03
3606	563013.7	4234816	4.44E-02	7.54E-03	3.59E-02	5.88E-03	4.39E-03
3607	563012.8	4234826	4.08E-02	6.92E-03	3.29E-02	5.39E-03	4.03E-03
3608	563012	4234836	3.69E-02	6.26E-03	2.98E-02	4.88E-03	3.64E-03
3609	563011.2	4234845	3.31E-02	5.61E-03	2.67E-02	4.37E-03	3.26E-03
3610	563010.4	4234855	2.94E-02	5.00E-03	2.38E-02	3.89E-03	2.91E-03
3611	563009.5	4234748	5.63E-02	9.55E-03	4.54E-02	7.44E-03	5.56E-03
3612	563008.7	4234758	5.40E-02	9.17E-03	4.36E-02	7.15E-03	5.34E-03
3613	563007.9	4234767	5.24E-02	8.88E-03	4.23E-02	6.92E-03	5.17E-03
3614	563007	4234777	5.07E-02	8.60E-03	4.09E-02	6.71E-03	5.01E-03
3615	563006.2	4234787	4.90E-02	8.31E-03	3.95E-02	6.48E-03	4.84E-03
3616	563005.4	4234796	4.63E-02	7.85E-03	3.74E-02	6.12E-03	4.57E-03
3617	563004.5	4234806	4.34E-02	7.36E-03	3.50E-02	5.74E-03	4.28E-03
3618	563003.7	4234815	4.02E-02	6.83E-03	3.25E-02	5.32E-03	3.97E-03
3619	563002.9	4234825	3.69E-02	6.26E-03	2.98E-02	4.88E-03	3.64E-03
3620	563002.1	4234835	3.34E-02	5.67E-03	2.70E-02	4.42E-03	3.30E-03
3621	563001.2	4234844	3.00E-02	5.09E-03	2.42E-02	3.97E-03	2.96E-03
3622	563000.4	4234854	2.68E-02	4.55E-03	2.16E-02	3.54E-03	2.65E-03
3623	562999.6	4234747	5.08E-02	8.62E-03	4.10E-02	6.72E-03	5.02E-03
3624	562998.7	4234757	4.87E-02	8.27E-03	3.94E-02	6.45E-03	4.81E-03
3625	562997.9	4234767	4.73E-02	8.03E-03	3.82E-02	6.26E-03	4.67E-03
3626	562997.1	4234776	4.58E-02	7.77E-03	3.70E-02	6.05E-03	4.52E-03
3627	562996.2	4234786	4.41E-02	7.48E-03	3.56E-02	5.83E-03	4.35E-03
3628	562995.4	4234795	4.18E-02	7.09E-03	3.37E-02	5.53E-03	4.13E-03
3629	562994.6	4234805	3.93E-02	6.67E-03	3.18E-02	5.20E-03	3.88E-03
3630	562993.8	4234815	3.66E-02	6.22E-03	2.96E-02	4.85E-03	3.62E-03
3631	562992.9	4234824	3.36E-02	5.70E-03	2.71E-02	4.45E-03	3.32E-03
3632	562992.1	4234834	3.05E-02	5.17E-03	2.46E-02	4.03E-03	3.01E-03
3633	562991.3	4234843	2.74E-02	4.65E-03	2.21E-02	3.63E-03	2.71E-03
3634	562990.4	4234853	2.46E-02	4.17E-03	1.98E-02	3.25E-03	2.43E-03

3635	562989.6	4234747	4.66E-02	7.91E-03	3.76E-02	6.16E-03	4.60E-03
3636	562988.8	4234756	4.48E-02	7.59E-03	3.61E-02	5.92E-03	4.42E-03
3637	562987.9	4234766	4.32E-02	7.33E-03	3.49E-02	5.72E-03	4.27E-03
3638	562987.1	4234775	4.16E-02	7.06E-03	3.36E-02	5.50E-03	4.11E-03
3639	562986.3	4234785	3.98E-02	6.75E-03	3.21E-02	5.26E-03	3.93E-03
3640	562985.4	4234795	3.79E-02	6.43E-03	3.06E-02	5.01E-03	3.74E-03
3641	562984.6	4234804	3.58E-02	6.07E-03	2.89E-02	4.73E-03	3.54E-03
3642	562983.8	4234814	3.36E-02	5.69E-03	2.71E-02	4.44E-03	3.31E-03
3643	562983	4234823	3.08E-02	5.23E-03	2.49E-02	4.08E-03	3.04E-03
3644	562982.1	4234833	2.80E-02	4.75E-03	2.26E-02	3.70E-03	2.76E-03
3645	562981.3	4234843	2.52E-02	4.28E-03	2.04E-02	3.34E-03	2.49E-03
3646	562980.5	4234852	2.26E-02	3.84E-03	1.83E-02	3.00E-03	2.24E-03
3647	562979.6	4234746	4.31E-02	7.31E-03	3.48E-02	5.69E-03	4.25E-03
3648	562978.8	4234755	4.14E-02	7.03E-03	3.34E-02	5.48E-03	4.09E-03
3649	562978	4234765	3.98E-02	6.75E-03	3.21E-02	5.26E-03	3.93E-03
3650	562977.1	4234774	3.81E-02	6.46E-03	3.07E-02	5.04E-03	3.76E-03
3651	562976.3	4234784	3.62E-02	6.14E-03	2.92E-02	4.79E-03	3.58E-03
3652	562975.5	4234794	3.45E-02	5.86E-03	2.79E-02	4.57E-03	3.41E-03
3653	562974.7	4234803	3.28E-02	5.56E-03	2.65E-02	4.33E-03	3.24E-03
3654	562973.8	4234813	3.08E-02	5.23E-03	2.49E-02	4.08E-03	3.05E-03
3655	562973	4234822	2.84E-02	4.82E-03	2.29E-02	3.76E-03	2.81E-03
3656	562972.2	4234832	2.58E-02	4.37E-03	2.08E-02	3.41E-03	2.55E-03
3657	562971.3	4234842	2.32E-02	3.94E-03	1.88E-02	3.07E-03	2.30E-03
3658	562970.5	4234851	2.09E-02	3.54E-03	1.69E-02	2.76E-03	2.06E-03
3659	562959.7	4234744	3.66E-02	6.20E-03	2.95E-02	4.83E-03	3.61E-03
3660	562958.9	4234754	3.52E-02	5.97E-03	2.84E-02	4.65E-03	3.47E-03
3661	562958.1	4234763	3.37E-02	5.72E-03	2.72E-02	4.46E-03	3.33E-03
3662	562957.2	4234773	3.22E-02	5.46E-03	2.60E-02	4.25E-03	3.18E-03
3663	562956.4	4234782	3.05E-02	5.17E-03	2.46E-02	4.03E-03	3.01E-03
3664	562955.6	4234792	2.89E-02	4.91E-03	2.34E-02	3.83E-03	2.86E-03
3665	562954.7	4234802	2.74E-02	4.64E-03	2.21E-02	3.62E-03	2.70E-03
3666	562953.9	4234811	2.57E-02	4.36E-03	2.07E-02	3.40E-03	2.54E-03
3667	562953.1	4234821	2.37E-02	4.03E-03	1.92E-02	3.14E-03	2.34E-03
3668	562952.2	4234830	2.16E-02	3.67E-03	1.75E-02	2.86E-03	2.14E-03
3669	562951.4	4234840	1.96E-02	3.32E-03	1.58E-02	2.59E-03	1.93E-03
3670	562950.6	4234850	1.76E-02	2.99E-03	1.42E-02	2.33E-03	1.74E-03
3671	562939.8	4234742	3.16E-02	5.36E-03	2.55E-02	4.18E-03	3.12E-03
3672	562939	4234752	3.04E-02	5.16E-03	2.46E-02	4.02E-03	3.01E-03
3673	562938.1	4234761	2.92E-02	4.95E-03	2.36E-02	3.86E-03	2.88E-03
3674	562937.3	4234771	2.78E-02	4.72E-03	2.25E-02	3.68E-03	2.75E-03
3675	562936.5	4234781	2.64E-02	4.48E-03	2.13E-02	3.49E-03	2.61E-03
3676	562935.6	4234790	2.49E-02	4.23E-03	2.01E-02	3.29E-03	2.46E-03
3677	562934.8	4234800	2.35E-02	3.98E-03	1.89E-02	3.10E-03	2.32E-03
3678	562934	4234809	2.19E-02	3.72E-03	1.77E-02	2.90E-03	2.16E-03
3679	562933.1	4234819	2.03E-02	3.44E-03	1.64E-02	2.68E-03	2.00E-03
3680	562932.3	4234829	1.85E-02	3.14E-03	1.49E-02	2.45E-03	1.83E-03
3681	562931.5	4234838	1.68E-02	2.86E-03	1.36E-02	2.23E-03	1.66E-03
3682	562930.7	4234848	1.53E-02	2.59E-03	1.23E-02	2.02E-03	1.51E-03
3683	562919.9	4234740	2.82E-02	4.79E-03	2.28E-02	3.74E-03	2.79E-03
3684	562919	4234750	2.72E-02	4.62E-03	2.20E-02	3.60E-03	2.69E-03
3685	562918.2	4234760	2.61E-02	4.42E-03	2.11E-02	3.45E-03	2.57E-03
3686	562917.4	4234769	2.48E-02	4.21E-03	2.00E-02	3.28E-03	2.45E-03

3687	562916.5	4234779	2.35E-02	3.99E-03	1.90E-02	3.11E-03	2.32E-03
3688	562915.7	4234789	2.21E-02	3.75E-03	1.78E-02	2.92E-03	2.18E-03
3689	562914.9	4234798	2.06E-02	3.50E-03	1.66E-02	2.73E-03	2.04E-03
3690	562914	4234808	1.91E-02	3.24E-03	1.54E-02	2.53E-03	1.89E-03
3691	562913.2	4234817	1.76E-02	2.98E-03	1.42E-02	2.32E-03	1.74E-03
3692	562912.4	4234827	1.61E-02	2.73E-03	1.30E-02	2.13E-03	1.59E-03
3693	562911.6	4234837	1.47E-02	2.50E-03	1.19E-02	1.95E-03	1.45E-03
3694	562910.7	4234846	1.35E-02	2.28E-03	1.09E-02	1.78E-03	1.33E-03
3695	562899.9	4234739	2.55E-02	4.33E-03	2.06E-02	3.37E-03	2.52E-03
3696	562899.1	4234748	2.45E-02	4.16E-03	1.98E-02	3.24E-03	2.42E-03
3697	562898.3	4234758	2.34E-02	3.97E-03	1.89E-02	3.09E-03	2.31E-03
3698	562897.4	4234768	2.18E-02	3.70E-03	1.76E-02	2.89E-03	2.16E-03
3699	562896.6	4234777	2.02E-02	3.43E-03	1.63E-02	2.68E-03	2.00E-03
3700	562895.8	4234787	1.87E-02	3.17E-03	1.51E-02	2.47E-03	1.85E-03
3701	562895	4234796	1.74E-02	2.95E-03	1.41E-02	2.30E-03	1.72E-03
3702	562894.1	4234806	1.61E-02	2.74E-03	1.30E-02	2.13E-03	1.59E-03
3703	562893.3	4234816	1.49E-02	2.53E-03	1.20E-02	1.97E-03	1.47E-03
3704	562892.5	4234825	1.39E-02	2.36E-03	1.12E-02	1.84E-03	1.37E-03
3705	562891.6	4234835	1.30E-02	2.21E-03	1.05E-02	1.72E-03	1.28E-03
3706	562890.8	4234844	1.22E-02	2.07E-03	9.83E-03	1.61E-03	1.20E-03
3707	562880	4234737	2.28E-02	3.88E-03	1.84E-02	3.02E-03	2.26E-03
3708	562879.2	4234747	2.19E-02	3.72E-03	1.77E-02	2.90E-03	2.16E-03
3709	562878.3	4234756	2.09E-02	3.54E-03	1.69E-02	2.76E-03	2.06E-03
3710	562877.5	4234766	1.93E-02	3.27E-03	1.56E-02	2.55E-03	1.91E-03
3711	562876.7	4234775	1.78E-02	3.03E-03	1.44E-02	2.36E-03	1.76E-03
3712	562875.9	4234785	1.65E-02	2.79E-03	1.33E-02	2.18E-03	1.63E-03
3713	562875	4234795	1.54E-02	2.61E-03	1.24E-02	2.03E-03	1.52E-03
3714	562874.2	4234804	1.43E-02	2.43E-03	1.15E-02	1.89E-03	1.41E-03
3715	562873.4	4234814	1.32E-02	2.25E-03	1.07E-02	1.75E-03	1.31E-03
3716	562872.5	4234823	1.23E-02	2.09E-03	9.97E-03	1.63E-03	1.22E-03
3717	562871.7	4234833	1.15E-02	1.95E-03	9.29E-03	1.52E-03	1.14E-03
3718	562870.9	4234843	1.07E-02	1.82E-03	8.64E-03	1.42E-03	1.06E-03
3719	562860.1	4234735	1.96E-02	3.33E-03	1.59E-02	2.60E-03	1.94E-03
3720	562859.3	4234745	1.88E-02	3.19E-03	1.52E-02	2.49E-03	1.86E-03
3721	562858.4	4234755	1.79E-02	3.05E-03	1.45E-02	2.37E-03	1.77E-03
3722	562857.6	4234764	1.70E-02	2.88E-03	1.37E-02	2.25E-03	1.68E-03
3723	562856.8	4234774	1.60E-02	2.71E-03	1.29E-02	2.11E-03	1.58E-03
3724	562855.9	4234783	1.50E-02	2.55E-03	1.21E-02	1.98E-03	1.48E-03
3725	562855.1	4234793	1.40E-02	2.38E-03	1.13E-02	1.86E-03	1.39E-03
3726	562854.3	4234803	1.31E-02	2.22E-03	1.06E-02	1.73E-03	1.29E-03
3727	562853.4	4234812	1.21E-02	2.06E-03	9.80E-03	1.61E-03	1.20E-03
3728	562852.6	4234822	1.13E-02	1.91E-03	9.08E-03	1.49E-03	1.11E-03
3729	562851.8	4234831	1.04E-02	1.76E-03	8.39E-03	1.37E-03	1.03E-03
3730	562851	4234841	9.57E-03	1.62E-03	7.73E-03	1.27E-03	9.46E-04
3731	562840.2	4234734	1.79E-02	3.04E-03	1.45E-02	2.37E-03	1.77E-03
3732	562839.3	4234743	1.74E-02	2.95E-03	1.40E-02	2.30E-03	1.72E-03
3733	562838.5	4234753	1.69E-02	2.86E-03	1.36E-02	2.23E-03	1.66E-03
3734	562837.7	4234762	1.61E-02	2.74E-03	1.30E-02	2.13E-03	1.59E-03
3735	562836.8	4234772	1.53E-02	2.59E-03	1.23E-02	2.02E-03	1.51E-03
3736	562836	4234782	1.44E-02	2.45E-03	1.16E-02	1.91E-03	1.42E-03
3737	562835.2	4234791	1.35E-02	2.30E-03	1.09E-02	1.79E-03	1.34E-03
3738	562834.3	4234801	1.27E-02	2.15E-03	1.02E-02	1.68E-03	1.25E-03

3739	562833.5	4234810	1.18E-02	2.00E-03	9.53E-03	1.56E-03	1.17E-03
3740	562832.7	4234820	1.10E-02	1.86E-03	8.85E-03	1.45E-03	1.08E-03
3741	562831.9	4234830	1.01E-02	1.72E-03	8.20E-03	1.34E-03	1.00E-03
3742	562831	4234839	9.38E-03	1.59E-03	7.57E-03	1.24E-03	9.26E-04
3743	562820.2	4234732	1.67E-02	2.84E-03	1.35E-02	2.21E-03	1.65E-03
3744	562819.4	4234741	1.65E-02	2.79E-03	1.33E-02	2.18E-03	1.63E-03
3745	562818.6	4234751	1.61E-02	2.74E-03	1.30E-02	2.13E-03	1.59E-03
3746	562817.7	4234761	1.55E-02	2.64E-03	1.25E-02	2.05E-03	1.53E-03
3747	562816.9	4234770	1.47E-02	2.49E-03	1.19E-02	1.94E-03	1.45E-03
3748	562816.1	4234780	1.38E-02	2.35E-03	1.12E-02	1.83E-03	1.37E-03
3749	562815.3	4234790	1.30E-02	2.20E-03	1.05E-02	1.71E-03	1.28E-03
3750	562814.4	4234799	1.21E-02	2.06E-03	9.78E-03	1.60E-03	1.20E-03
3751	562813.6	4234809	1.13E-02	1.91E-03	9.10E-03	1.49E-03	1.11E-03
3752	562812.8	4234818	1.05E-02	1.78E-03	8.45E-03	1.38E-03	1.03E-03
3753	562811.9	4234828	9.68E-03	1.64E-03	7.82E-03	1.28E-03	9.56E-04
3754	562811.1	4234838	8.94E-03	1.52E-03	7.22E-03	1.18E-03	8.83E-04
3755	562800.3	4234730	1.62E-02	2.75E-03	1.31E-02	2.15E-03	1.60E-03
3756	562799.5	4234740	1.57E-02	2.66E-03	1.27E-02	2.07E-03	1.55E-03
3757	562798.6	4234749	1.51E-02	2.56E-03	1.22E-02	1.99E-03	1.49E-03
3758	562797.8	4234759	1.44E-02	2.44E-03	1.16E-02	1.90E-03	1.42E-03
3759	562797	4234769	1.36E-02	2.31E-03	1.10E-02	1.80E-03	1.34E-03
3760	562796.2	4234778	1.28E-02	2.17E-03	1.03E-02	1.69E-03	1.26E-03
3761	562795.3	4234788	1.20E-02	2.04E-03	9.71E-03	1.59E-03	1.19E-03
3762	562794.5	4234797	1.13E-02	1.91E-03	9.09E-03	1.49E-03	1.11E-03
3763	562793.7	4234807	1.05E-02	1.78E-03	8.48E-03	1.39E-03	1.04E-03
3764	562792.8	4234817	9.75E-03	1.65E-03	7.87E-03	1.29E-03	9.63E-04
3765	562792	4234826	9.03E-03	1.53E-03	7.30E-03	1.19E-03	8.92E-04
3766	562791.2	4234836	8.36E-03	1.42E-03	6.75E-03	1.11E-03	8.25E-04
3767	562780.4	4234728	1.53E-02	2.60E-03	1.24E-02	2.02E-03	1.51E-03
3768	562779.5	4234738	1.46E-02	2.48E-03	1.18E-02	1.93E-03	1.44E-03
3769	562778.7	4234748	1.39E-02	2.35E-03	1.12E-02	1.83E-03	1.37E-03
3770	562777.9	4234757	1.31E-02	2.23E-03	1.06E-02	1.74E-03	1.30E-03
3771	562777.1	4234767	1.24E-02	2.11E-03	1.00E-02	1.64E-03	1.23E-03
3772	562776.2	4234776	1.17E-02	1.99E-03	9.46E-03	1.55E-03	1.16E-03
3773	562775.4	4234786	1.10E-02	1.87E-03	8.89E-03	1.46E-03	1.09E-03
3774	562774.6	4234796	1.03E-02	1.75E-03	8.33E-03	1.36E-03	1.02E-03
3775	562773.7	4234805	9.63E-03	1.63E-03	7.78E-03	1.27E-03	9.51E-04
3776	562772.9	4234815	8.97E-03	1.52E-03	7.24E-03	1.19E-03	8.86E-04
3777	562772.1	4234824	8.33E-03	1.41E-03	6.72E-03	1.10E-03	8.22E-04
3778	562771.2	4234834	7.72E-03	1.31E-03	6.23E-03	1.02E-03	7.62E-04
3779	562740.5	4234725	1.30E-02	2.21E-03	1.05E-02	1.72E-03	1.29E-03
3780	562739.7	4234735	1.25E-02	2.11E-03	1.01E-02	1.65E-03	1.23E-03
3781	562738.9	4234744	1.19E-02	2.02E-03	9.59E-03	1.57E-03	1.17E-03
3782	562738	4234754	1.13E-02	1.92E-03	9.12E-03	1.49E-03	1.12E-03
3783	562737.2	4234763	1.07E-02	1.82E-03	8.66E-03	1.42E-03	1.06E-03
3784	562736.4	4234773	1.01E-02	1.72E-03	8.19E-03	1.34E-03	1.00E-03
3785	562735.5	4234783	9.57E-03	1.62E-03	7.73E-03	1.27E-03	9.46E-04
3786	562734.7	4234792	9.00E-03	1.53E-03	7.27E-03	1.19E-03	8.89E-04
3787	562733.9	4234802	8.44E-03	1.43E-03	6.82E-03	1.12E-03	8.34E-04
3788	562733.1	4234811	7.90E-03	1.34E-03	6.37E-03	1.04E-03	7.80E-04
3789	562732.2	4234821	7.36E-03	1.25E-03	5.95E-03	9.74E-04	7.27E-04
3790	562731.4	4234831	6.86E-03	1.16E-03	5.54E-03	9.07E-04	6.77E-04

3791	562700.7	4234722	1.14E-02	1.93E-03	9.19E-03	1.50E-03	1.12E-03
3792	562699.8	4234731	1.09E-02	1.85E-03	8.82E-03	1.44E-03	1.08E-03
3793	562699	4234741	1.05E-02	1.77E-03	8.44E-03	1.38E-03	1.03E-03
3794	562698.2	4234750	9.97E-03	1.69E-03	8.05E-03	1.32E-03	9.85E-04
3795	562697.4	4234760	9.49E-03	1.61E-03	7.66E-03	1.26E-03	9.37E-04
3796	562696.5	4234770	9.00E-03	1.53E-03	7.27E-03	1.19E-03	8.89E-04
3797	562695.7	4234779	8.52E-03	1.45E-03	6.88E-03	1.13E-03	8.41E-04
3798	562694.9	4234789	8.04E-03	1.36E-03	6.49E-03	1.06E-03	7.94E-04
3799	562694	4234798	7.56E-03	1.28E-03	6.10E-03	1.00E-03	7.46E-04
3800	562693.2	4234808	7.09E-03	1.20E-03	5.73E-03	9.38E-04	7.00E-04
3801	562692.4	4234818	6.64E-03	1.13E-03	5.36E-03	8.78E-04	6.55E-04
3802	562691.5	4234827	6.20E-03	1.05E-03	5.00E-03	8.20E-04	6.12E-04
3803	562660.8	4234718	9.89E-03	1.68E-03	7.99E-03	1.31E-03	9.77E-04
3804	562660	4234728	9.50E-03	1.61E-03	7.67E-03	1.26E-03	9.38E-04
3805	562659.2	4234737	9.10E-03	1.54E-03	7.35E-03	1.20E-03	8.98E-04
3806	562658.3	4234747	8.69E-03	1.47E-03	7.02E-03	1.15E-03	8.58E-04
3807	562657.5	4234757	8.28E-03	1.40E-03	6.68E-03	1.09E-03	8.18E-04
3808	562656.7	4234766	7.93E-03	1.35E-03	6.40E-03	1.05E-03	7.83E-04
3809	562655.8	4234776	7.58E-03	1.29E-03	6.12E-03	1.00E-03	7.49E-04
3810	562655	4234785	7.23E-03	1.23E-03	5.84E-03	9.57E-04	7.14E-04
3811	562654.2	4234795	6.83E-03	1.16E-03	5.51E-03	9.03E-04	6.74E-04
3812	562653.4	4234805	6.43E-03	1.09E-03	5.19E-03	8.50E-04	6.35E-04
3813	562652.5	4234814	6.03E-03	1.02E-03	4.87E-03	7.98E-04	5.96E-04
3814	562651.7	4234824	5.65E-03	9.59E-04	4.56E-03	7.48E-04	5.58E-04
3815	562621	4234715	8.95E-03	1.52E-03	7.22E-03	1.18E-03	8.83E-04
3816	562620.1	4234724	8.62E-03	1.46E-03	6.96E-03	1.14E-03	8.52E-04
3817	562619.3	4234734	8.21E-03	1.39E-03	6.63E-03	1.09E-03	8.11E-04
3818	562618.5	4234743	7.78E-03	1.32E-03	6.29E-03	1.03E-03	7.69E-04
3819	562617.7	4234753	7.36E-03	1.25E-03	5.94E-03	9.73E-04	7.27E-04
3820	562616.8	4234763	7.00E-03	1.19E-03	5.65E-03	9.25E-04	6.91E-04
3821	562616	4234772	6.66E-03	1.13E-03	5.38E-03	8.80E-04	6.57E-04
3822	562615.2	4234782	6.31E-03	1.07E-03	5.10E-03	8.35E-04	6.24E-04
3823	562614.3	4234791	6.01E-03	1.02E-03	4.85E-03	7.95E-04	5.94E-04
3824	562613.5	4234801	5.74E-03	9.74E-04	4.64E-03	7.59E-04	5.67E-04
3825	562612.7	4234811	5.47E-03	9.29E-04	4.42E-03	7.24E-04	5.41E-04
3826	562611.8	4234820	5.18E-03	8.79E-04	4.18E-03	6.85E-04	5.11E-04
3827	562581.1	4234711	8.16E-03	1.39E-03	6.59E-03	1.08E-03	8.06E-04
3828	562580.3	4234721	7.87E-03	1.34E-03	6.35E-03	1.04E-03	7.77E-04
3829	562579.5	4234730	7.53E-03	1.28E-03	6.08E-03	9.96E-04	7.44E-04
3830	562578.6	4234740	7.14E-03	1.21E-03	5.77E-03	9.45E-04	7.06E-04
3831	562577.8	4234750	6.77E-03	1.15E-03	5.47E-03	8.96E-04	6.69E-04
3832	562577	4234759	6.42E-03	1.09E-03	5.19E-03	8.50E-04	6.34E-04
3833	562576.1	4234769	6.11E-03	1.04E-03	4.93E-03	8.08E-04	6.03E-04
3834	562575.3	4234778	5.79E-03	9.82E-04	4.67E-03	7.65E-04	5.72E-04
3835	562574.5	4234788	5.47E-03	9.29E-04	4.42E-03	7.24E-04	5.41E-04
3836	562573.7	4234798	5.18E-03	8.79E-04	4.18E-03	6.85E-04	5.11E-04
3837	562572.8	4234807	4.89E-03	8.29E-04	3.95E-03	6.46E-04	4.83E-04
3838	562572	4234817	4.61E-03	7.82E-04	3.72E-03	6.10E-04	4.55E-04
3839	562541.3	4234708	7.42E-03	1.26E-03	5.99E-03	9.81E-04	7.33E-04
3840	562540.4	4234717	7.16E-03	1.21E-03	5.78E-03	9.47E-04	7.07E-04
3841	562539.6	4234727	6.90E-03	1.17E-03	5.57E-03	9.12E-04	6.81E-04
3842	562538.8	4234737	6.63E-03	1.12E-03	5.35E-03	8.76E-04	6.54E-04

3843	562538	4234746	6.35E-03	1.08E-03	5.13E-03	8.40E-04	6.28E-04
3844	562537.1	4234756	6.08E-03	1.03E-03	4.91E-03	8.04E-04	6.01E-04
3845	562536.3	4234765	5.77E-03	9.80E-04	4.66E-03	7.63E-04	5.70E-04
3846	562535.5	4234775	5.47E-03	9.29E-04	4.42E-03	7.24E-04	5.41E-04
3847	562534.6	4234785	5.18E-03	8.79E-04	4.18E-03	6.85E-04	5.12E-04
3848	562533.8	4234794	4.88E-03	8.28E-04	3.94E-03	6.45E-04	4.82E-04
3849	562533	4234804	4.58E-03	7.78E-04	3.70E-03	6.06E-04	4.53E-04
3850	562532.1	4234813	4.29E-03	7.29E-04	3.47E-03	5.68E-04	4.24E-04
3851	562501.4	4234704	6.78E-03	1.15E-03	5.47E-03	8.96E-04	6.69E-04
3852	562500.6	4234714	6.55E-03	1.11E-03	5.29E-03	8.66E-04	6.47E-04
3853	562499.8	4234724	6.32E-03	1.07E-03	5.10E-03	8.36E-04	6.24E-04
3854	562498.9	4234733	6.08E-03	1.03E-03	4.91E-03	8.04E-04	6.01E-04
3855	562498.1	4234743	5.84E-03	9.91E-04	4.72E-03	7.73E-04	5.77E-04
3856	562497.3	4234752	5.60E-03	9.50E-04	4.52E-03	7.40E-04	5.53E-04
3857	562496.4	4234762	5.35E-03	9.08E-04	4.32E-03	7.08E-04	5.29E-04
3858	562495.6	4234772	5.11E-03	8.67E-04	4.12E-03	6.75E-04	5.04E-04
3859	562494.8	4234781	4.86E-03	8.25E-04	3.93E-03	6.43E-04	4.80E-04
3860	562493.9	4234791	4.62E-03	7.84E-04	3.73E-03	6.11E-04	4.56E-04
3861	562493.1	4234800	4.38E-03	7.43E-04	3.54E-03	5.79E-04	4.33E-04
3862	562492.3	4234810	4.15E-03	7.04E-04	3.35E-03	5.49E-04	4.10E-04
3863	562461.6	4234701	6.23E-03	1.06E-03	5.03E-03	8.24E-04	6.15E-04
3864	562460.7	4234710	6.03E-03	1.02E-03	4.87E-03	7.97E-04	5.95E-04
3865	562459.9	4234720	5.82E-03	9.88E-04	4.70E-03	7.70E-04	5.75E-04
3866	562459.1	4234730	5.61E-03	9.52E-04	4.53E-03	7.42E-04	5.54E-04
3867	562458.2	4234739	5.40E-03	9.15E-04	4.36E-03	7.14E-04	5.33E-04
3868	562457.4	4234749	5.18E-03	8.79E-04	4.18E-03	6.85E-04	5.11E-04
3869	562456.6	4234759	4.96E-03	8.41E-04	4.00E-03	6.56E-04	4.90E-04
3870	562455.8	4234768	4.74E-03	8.04E-04	3.83E-03	6.27E-04	4.68E-04
3871	562454.9	4234778	4.52E-03	7.67E-04	3.65E-03	5.98E-04	4.46E-04
3872	562454.1	4234787	4.30E-03	7.30E-04	3.47E-03	5.69E-04	4.25E-04
3873	562453.3	4234797	4.09E-03	6.94E-04	3.30E-03	5.41E-04	4.04E-04
3874	562452.4	4234807	3.88E-03	6.59E-04	3.13E-03	5.13E-04	3.83E-04
3875	562421.7	4234697	5.75E-03	9.76E-04	4.64E-03	7.60E-04	5.68E-04
3876	562420.9	4234707	5.57E-03	9.45E-04	4.50E-03	7.37E-04	5.50E-04
3877	562420.1	4234717	5.39E-03	9.14E-04	4.35E-03	7.12E-04	5.32E-04
3878	562419.2	4234726	5.20E-03	8.82E-04	4.20E-03	6.87E-04	5.13E-04
3879	562418.4	4234736	5.01E-03	8.49E-04	4.04E-03	6.62E-04	4.94E-04
3880	562417.6	4234745	4.81E-03	8.16E-04	3.88E-03	6.36E-04	4.75E-04
3881	562416.7	4234755	4.61E-03	7.83E-04	3.73E-03	6.10E-04	4.56E-04
3882	562415.9	4234765	4.42E-03	7.49E-04	3.57E-03	5.84E-04	4.36E-04
3883	562415.1	4234774	4.22E-03	7.16E-04	3.41E-03	5.58E-04	4.17E-04
3884	562414.2	4234784	4.02E-03	6.83E-04	3.25E-03	5.32E-04	3.97E-04
3885	562413.4	4234793	3.83E-03	6.50E-04	3.09E-03	5.07E-04	3.78E-04
3886	562412.6	4234803	3.64E-03	6.18E-04	2.94E-03	4.82E-04	3.60E-04
3887	562381.9	4234694	5.33E-03	9.05E-04	4.31E-03	7.05E-04	5.27E-04
3888	562381	4234704	5.17E-03	8.77E-04	4.17E-03	6.84E-04	5.11E-04
3889	562380.2	4234713	5.00E-03	8.49E-04	4.04E-03	6.62E-04	4.94E-04
3890	562379.4	4234723	4.83E-03	8.20E-04	3.90E-03	6.39E-04	4.77E-04
3891	562378.5	4234732	4.66E-03	7.91E-04	3.76E-03	6.16E-04	4.60E-04
3892	562377.7	4234742	4.48E-03	7.61E-04	3.62E-03	5.93E-04	4.43E-04
3893	562376.9	4234752	4.31E-03	7.31E-04	3.48E-03	5.70E-04	4.25E-04
3894	562376.1	4234761	4.13E-03	7.01E-04	3.33E-03	5.46E-04	4.08E-04

3895	562375.2	4234771	3.95E-03	6.70E-04	3.19E-03	5.22E-04	3.90E-04
3896	562374.4	4234780	3.77E-03	6.40E-04	3.05E-03	4.99E-04	3.73E-04
3897	562373.6	4234790	3.60E-03	6.11E-04	2.91E-03	4.76E-04	3.56E-04
3898	562372.7	4234800	3.43E-03	5.82E-04	2.77E-03	4.54E-04	3.39E-04
3899	563065.4	4234869	5.75E-02	9.75E-03	4.64E-02	7.60E-03	5.67E-03
3900	563073.8	4234873	6.55E-02	1.11E-02	5.29E-02	8.66E-03	6.47E-03
3901	563082.3	4234878	7.81E-02	1.33E-02	6.31E-02	1.03E-02	7.71E-03
3902	563090.7	4234882	9.63E-02	1.63E-02	7.78E-02	1.27E-02	9.51E-03
3903	563099.2	4234887	1.15E-01	1.95E-02	9.27E-02	1.52E-02	1.13E-02
3904	563107.7	4234891	1.29E-01	2.19E-02	1.04E-01	1.70E-02	1.27E-02
3905	563116.1	4234896	1.38E-01	2.35E-02	1.12E-01	1.83E-02	1.37E-02
3906	563124.6	4234901	1.44E-01	2.45E-02	1.17E-01	1.91E-02	1.43E-02
3907	563133	4234905	1.47E-01	2.50E-02	1.19E-01	1.95E-02	1.46E-02
3908	563141.5	4234910	1.48E-01	2.51E-02	1.19E-01	1.95E-02	1.46E-02
3909	563149.9	4234914	1.46E-01	2.47E-02	1.17E-01	1.92E-02	1.44E-02
3910	563158.4	4234919	1.41E-01	2.39E-02	1.14E-01	1.86E-02	1.39E-02
3911	563166.8	4234923	1.34E-01	2.27E-02	1.08E-01	1.77E-02	1.32E-02
3912	563175.3	4234928	1.26E-01	2.14E-02	1.02E-01	1.66E-02	1.24E-02
3913	563183.7	4234932	1.17E-01	1.98E-02	9.43E-02	1.54E-02	1.15E-02
3914	563192.2	4234937	1.06E-01	1.80E-02	8.58E-02	1.40E-02	1.05E-02
3915	563200.6	4234942	9.46E-02	1.61E-02	7.64E-02	1.25E-02	9.34E-03
3916	563209.1	4234946	8.29E-02	1.41E-02	6.70E-02	1.10E-02	8.19E-03
3917	563217.5	4234951	7.21E-02	1.22E-02	5.82E-02	9.53E-03	7.12E-03
3918	563226	4234955	6.25E-02	1.06E-02	5.05E-02	8.27E-03	6.17E-03
3919	563234.4	4234960	5.44E-02	9.23E-03	4.39E-02	7.19E-03	5.37E-03
3920	563242.9	4234964	4.75E-02	8.07E-03	3.84E-02	6.29E-03	4.70E-03
3921	563056.6	4234873	4.60E-02	7.80E-03	3.71E-02	6.08E-03	4.54E-03
3922	563069.1	4234882	5.34E-02	9.05E-03	4.31E-02	7.06E-03	5.27E-03
3923	563077.6	4234887	6.21E-02	1.05E-02	5.01E-02	8.21E-03	6.13E-03
3924	563086	4234891	7.37E-02	1.25E-02	5.95E-02	9.74E-03	7.28E-03
3925	563094.5	4234896	8.63E-02	1.46E-02	6.97E-02	1.14E-02	8.53E-03
3926	563102.9	4234900	9.76E-02	1.66E-02	7.88E-02	1.29E-02	9.64E-03
3927	563111.4	4234905	1.07E-01	1.81E-02	8.60E-02	1.41E-02	1.05E-02
3928	563119.8	4234909	1.13E-01	1.92E-02	9.13E-02	1.49E-02	1.12E-02
3929	563128.3	4234914	1.17E-01	1.99E-02	9.47E-02	1.55E-02	1.16E-02
3930	563136.7	4234918	1.19E-01	2.02E-02	9.63E-02	1.58E-02	1.18E-02
3931	563145.2	4234923	1.19E-01	2.02E-02	9.63E-02	1.58E-02	1.18E-02
3932	563153.6	4234928	1.16E-01	1.98E-02	9.41E-02	1.54E-02	1.15E-02
3933	563162.1	4234932	1.13E-01	1.91E-02	9.09E-02	1.49E-02	1.11E-02
3934	563170.5	4234937	1.08E-01	1.83E-02	8.69E-02	1.42E-02	1.06E-02
3935	563179	4234941	1.01E-01	1.72E-02	8.19E-02	1.34E-02	1.00E-02
3936	563187.4	4234946	9.39E-02	1.59E-02	7.58E-02	1.24E-02	9.27E-03
3937	563195.9	4234950	8.54E-02	1.45E-02	6.89E-02	1.13E-02	8.43E-03
3938	563204.3	4234955	7.65E-02	1.30E-02	6.18E-02	1.01E-02	7.56E-03
3939	563212.8	4234959	6.79E-02	1.15E-02	5.48E-02	8.97E-03	6.70E-03
3940	563221.2	4234964	5.99E-02	1.02E-02	4.83E-02	7.92E-03	5.91E-03
3941	563229.7	4234969	5.28E-02	8.96E-03	4.26E-02	6.98E-03	5.21E-03
3942	563238.1	4234973	4.67E-02	7.92E-03	3.77E-02	6.17E-03	4.61E-03
3943	563049.8	4234880	3.81E-02	6.46E-03	3.08E-02	5.04E-03	3.76E-03
3944	563064.4	4234891	4.47E-02	7.58E-03	3.61E-02	5.91E-03	4.41E-03
3945	563072.8	4234895	5.13E-02	8.70E-03	4.14E-02	6.78E-03	5.06E-03
3946	563081.3	4234900	5.96E-02	1.01E-02	4.81E-02	7.88E-03	5.88E-03

3947	563089.7	4234905	6.88E-02	1.17E-02	5.55E-02	9.10E-03	6.79E-03
3948	563098.2	4234909	7.77E-02	1.32E-02	6.27E-02	1.03E-02	7.67E-03
3949	563106.6	4234914	8.55E-02	1.45E-02	6.90E-02	1.13E-02	8.44E-03
3950	563115.1	4234918	9.16E-02	1.56E-02	7.40E-02	1.21E-02	9.05E-03
3951	563123.5	4234923	9.61E-02	1.63E-02	7.76E-02	1.27E-02	9.50E-03
3952	563132	4234927	9.90E-02	1.68E-02	7.99E-02	1.31E-02	9.77E-03
3953	563140.4	4234932	9.99E-02	1.70E-02	8.07E-02	1.32E-02	9.87E-03
3954	563148.9	4234936	9.86E-02	1.67E-02	7.96E-02	1.30E-02	9.74E-03
3955	563157.3	4234941	9.65E-02	1.64E-02	7.79E-02	1.28E-02	9.53E-03
3956	563165.8	4234945	9.34E-02	1.58E-02	7.54E-02	1.24E-02	9.23E-03
3957	563174.2	4234950	8.91E-02	1.51E-02	7.19E-02	1.18E-02	8.80E-03
3958	563182.7	4234955	8.36E-02	1.42E-02	6.75E-02	1.11E-02	8.26E-03
3959	563191.1	4234959	7.73E-02	1.31E-02	6.24E-02	1.02E-02	7.63E-03
3960	563199.6	4234964	7.05E-02	1.20E-02	5.69E-02	9.32E-03	6.96E-03
3961	563208	4234968	6.35E-02	1.08E-02	5.13E-02	8.40E-03	6.28E-03
3962	563216.5	4234973	5.69E-02	9.66E-03	4.60E-02	7.53E-03	5.62E-03
3963	563224.9	4234977	5.09E-02	8.63E-03	4.11E-02	6.73E-03	5.02E-03
3964	563233.4	4234982	4.55E-02	7.72E-03	3.67E-02	6.01E-03	4.49E-03
3965	563045.8	4234890	3.26E-02	5.53E-03	2.63E-02	4.31E-03	3.22E-03
3966	563033.4	4234871	3.21E-02	5.44E-03	2.59E-02	4.24E-03	3.17E-03
3967	563059.6	4234900	3.83E-02	6.51E-03	3.10E-02	5.07E-03	3.79E-03
3968	563068.1	4234904	4.35E-02	7.39E-03	3.51E-02	5.76E-03	4.30E-03
3969	563076.5	4234909	4.99E-02	8.46E-03	4.03E-02	6.59E-03	4.92E-03
3970	563085	4234913	5.69E-02	9.66E-03	4.60E-02	7.53E-03	5.62E-03
3971	563093.4	4234918	6.41E-02	1.09E-02	5.17E-02	8.47E-03	6.33E-03
3972	563101.9	4234922	7.06E-02	1.20E-02	5.70E-02	9.34E-03	6.98E-03
3973	563110.3	4234927	7.62E-02	1.29E-02	6.16E-02	1.01E-02	7.53E-03
3974	563118.8	4234932	8.06E-02	1.37E-02	6.51E-02	1.07E-02	7.96E-03
3975	563127.2	4234936	8.37E-02	1.42E-02	6.76E-02	1.11E-02	8.26E-03
3976	563135.7	4234941	8.52E-02	1.45E-02	6.88E-02	1.13E-02	8.42E-03
3977	563144.1	4234945	8.50E-02	1.44E-02	6.87E-02	1.12E-02	8.40E-03
3978	563152.6	4234950	8.39E-02	1.42E-02	6.77E-02	1.11E-02	8.28E-03
3979	563161	4234954	8.19E-02	1.39E-02	6.62E-02	1.08E-02	8.09E-03
3980	563169.5	4234959	7.90E-02	1.34E-02	6.37E-02	1.04E-02	7.80E-03
3981	563177.9	4234963	7.50E-02	1.27E-02	6.05E-02	9.92E-03	7.40E-03
3982	563186.4	4234968	7.02E-02	1.19E-02	5.67E-02	9.28E-03	6.93E-03
3983	563194.8	4234972	6.49E-02	1.10E-02	5.24E-02	8.58E-03	6.41E-03
3984	563203.3	4234977	5.93E-02	1.01E-02	4.79E-02	7.85E-03	5.86E-03
3985	563211.8	4234982	5.38E-02	9.13E-03	4.35E-02	7.12E-03	5.32E-03
3986	563220.2	4234986	4.87E-02	8.26E-03	3.93E-02	6.44E-03	4.81E-03
3987	563228.7	4234991	4.40E-02	7.46E-03	3.55E-02	5.81E-03	4.34E-03
3988	563039.7	4234897	2.80E-02	4.75E-03	2.26E-02	3.70E-03	2.76E-03
3989	563032.9	4234890	2.66E-02	4.52E-03	2.15E-02	3.52E-03	2.63E-03
3990	563024.2	4234874	2.78E-02	4.71E-03	2.24E-02	3.67E-03	2.74E-03
3991	563022.3	4234865	3.00E-02	5.10E-03	2.42E-02	3.97E-03	2.97E-03
3992	563046.4	4234904	2.99E-02	5.07E-03	2.41E-02	3.95E-03	2.95E-03
3993	563054.9	4234908	3.35E-02	5.68E-03	2.70E-02	4.43E-03	3.31E-03
3994	563063.3	4234913	3.77E-02	6.40E-03	3.05E-02	4.99E-03	3.72E-03
3995	563071.8	4234918	4.28E-02	7.25E-03	3.45E-02	5.65E-03	4.22E-03
3996	563080.2	4234922	4.84E-02	8.21E-03	3.91E-02	6.40E-03	4.78E-03
3997	563088.7	4234927	5.42E-02	9.19E-03	4.37E-02	7.16E-03	5.35E-03
3998	563097.1	4234931	5.97E-02	1.01E-02	4.82E-02	7.90E-03	5.90E-03

3999	563105.6	4234936	6.47E-02	1.10E-02	5.22E-02	8.55E-03	6.39E-03
4000	563114	4234940	6.87E-02	1.17E-02	5.55E-02	9.09E-03	6.79E-03
4001	563122.5	4234945	7.18E-02	1.22E-02	5.80E-02	9.50E-03	7.09E-03
4002	563130.9	4234949	7.35E-02	1.25E-02	5.93E-02	9.71E-03	7.25E-03
4003	563139.4	4234954	7.40E-02	1.26E-02	5.97E-02	9.78E-03	7.30E-03
4004	563147.9	4234959	7.36E-02	1.25E-02	5.95E-02	9.74E-03	7.27E-03
4005	563156.3	4234963	7.25E-02	1.23E-02	5.85E-02	9.58E-03	7.16E-03
4006	563164.8	4234968	7.04E-02	1.20E-02	5.69E-02	9.31E-03	6.96E-03
4007	563173.2	4234972	6.75E-02	1.15E-02	5.45E-02	8.93E-03	6.67E-03
4008	563181.7	4234977	6.39E-02	1.08E-02	5.16E-02	8.45E-03	6.31E-03
4009	563190.1	4234981	5.98E-02	1.01E-02	4.83E-02	7.90E-03	5.90E-03
4010	563198.6	4234986	5.53E-02	9.39E-03	4.47E-02	7.31E-03	5.46E-03
4011	563207	4234990	5.08E-02	8.61E-03	4.10E-02	6.71E-03	5.01E-03
4012	563215.5	4234995	4.63E-02	7.86E-03	3.74E-02	6.13E-03	4.58E-03
4013	563223.9	4234999	4.22E-02	7.17E-03	3.41E-02	5.58E-03	4.17E-03
4014	563035.6	4234907	2.48E-02	4.21E-03	2.00E-02	3.28E-03	2.45E-03
4015	563023.4	4234895	2.30E-02	3.91E-03	1.86E-02	3.04E-03	2.27E-03
4016	563015.6	4234880	2.38E-02	4.05E-03	1.93E-02	3.15E-03	2.35E-03
4017	563050.1	4234917	2.94E-02	4.98E-03	2.37E-02	3.88E-03	2.90E-03
4018	563058.6	4234922	3.29E-02	5.58E-03	2.66E-02	4.35E-03	3.25E-03
4019	563067	4234926	3.70E-02	6.28E-03	2.99E-02	4.89E-03	3.66E-03
4020	563075.5	4234931	4.17E-02	7.08E-03	3.37E-02	5.52E-03	4.12E-03
4021	563084	4234935	4.67E-02	7.92E-03	3.77E-02	6.18E-03	4.61E-03
4022	563092.4	4234940	5.14E-02	8.72E-03	4.15E-02	6.80E-03	5.08E-03
4023	563100.9	4234945	5.57E-02	9.45E-03	4.50E-02	7.37E-03	5.50E-03
4024	563109.3	4234949	5.93E-02	1.01E-02	4.79E-02	7.85E-03	5.86E-03
4025	563117.8	4234954	6.20E-02	1.05E-02	5.01E-02	8.20E-03	6.12E-03
4026	563126.2	4234958	6.38E-02	1.08E-02	5.15E-02	8.44E-03	6.30E-03
4027	563134.7	4234963	6.48E-02	1.10E-02	5.23E-02	8.57E-03	6.40E-03
4028	563143.1	4234967	6.50E-02	1.10E-02	5.25E-02	8.60E-03	6.42E-03
4029	563151.6	4234972	6.45E-02	1.09E-02	5.21E-02	8.53E-03	6.37E-03
4030	563160	4234976	6.32E-02	1.07E-02	5.10E-02	8.36E-03	6.24E-03
4031	563168.5	4234981	6.11E-02	1.04E-02	4.93E-02	8.08E-03	6.03E-03
4032	563176.9	4234986	5.84E-02	9.90E-03	4.71E-02	7.72E-03	5.76E-03
4033	563185.4	4234990	5.51E-02	9.35E-03	4.45E-02	7.29E-03	5.44E-03
4034	563193.8	4234995	5.15E-02	8.74E-03	4.16E-02	6.81E-03	5.09E-03
4035	563202.3	4234999	4.78E-02	8.11E-03	3.86E-02	6.32E-03	4.72E-03
4036	563210.7	4235004	4.40E-02	7.47E-03	3.55E-02	5.82E-03	4.35E-03
4037	563219.2	4235008	4.04E-02	6.85E-03	3.26E-02	5.34E-03	3.99E-03
4038	563031.3	4234916	2.23E-02	3.79E-03	1.80E-02	2.96E-03	2.21E-03
4039	563019.9	4234905	2.07E-02	3.51E-03	1.67E-02	2.74E-03	2.04E-03
4040	563006.9	4234885	2.08E-02	3.52E-03	1.68E-02	2.75E-03	2.05E-03
4041	563003.7	4234870	2.34E-02	3.97E-03	1.89E-02	3.09E-03	2.31E-03
4042	563045.4	4234926	2.61E-02	4.42E-03	2.11E-02	3.45E-03	2.58E-03
4043	563053.9	4234931	2.90E-02	4.92E-03	2.34E-02	3.83E-03	2.86E-03
4044	563062.3	4234935	3.23E-02	5.48E-03	2.61E-02	4.27E-03	3.19E-03
4045	563070.8	4234940	3.63E-02	6.16E-03	2.93E-02	4.80E-03	3.58E-03
4046	563079.2	4234944	4.05E-02	6.88E-03	3.27E-02	5.36E-03	4.00E-03
4047	563087.7	4234949	4.46E-02	7.57E-03	3.60E-02	5.90E-03	4.41E-03
4048	563096.1	4234953	4.83E-02	8.20E-03	3.90E-02	6.39E-03	4.77E-03
4049	563104.6	4234958	5.14E-02	8.72E-03	4.15E-02	6.80E-03	5.08E-03
4050	563113	4234962	5.39E-02	9.15E-03	4.35E-02	7.13E-03	5.32E-03

4051	563121.5	4234967	5.58E-02	9.47E-03	4.51E-02	7.38E-03	5.51E-03
4052	563129.9	4234972	5.72E-02	9.71E-03	4.62E-02	7.57E-03	5.65E-03
4053	563138.4	4234976	5.79E-02	9.82E-03	4.67E-02	7.65E-03	5.71E-03
4054	563146.8	4234981	5.78E-02	9.80E-03	4.66E-02	7.64E-03	5.71E-03
4055	563155.3	4234985	5.70E-02	9.66E-03	4.60E-02	7.53E-03	5.63E-03
4056	563163.7	4234990	5.55E-02	9.41E-03	4.48E-02	7.34E-03	5.48E-03
4057	563172.2	4234994	5.34E-02	9.07E-03	4.31E-02	7.07E-03	5.28E-03
4058	563180.6	4234999	5.09E-02	8.63E-03	4.11E-02	6.73E-03	5.03E-03
4059	563189.1	4235003	4.80E-02	8.14E-03	3.88E-02	6.35E-03	4.74E-03
4060	563197.5	4235008	4.49E-02	7.62E-03	3.63E-02	5.94E-03	4.43E-03
4061	563206	4235013	4.17E-02	7.08E-03	3.37E-02	5.52E-03	4.12E-03
4062	563214.4	4235017	3.85E-02	6.54E-03	3.11E-02	5.10E-03	3.81E-03
4063	563025.7	4234924	2.02E-02	3.42E-03	1.63E-02	2.67E-03	1.99E-03
4064	563019.2	4234917	1.92E-02	3.26E-03	1.55E-02	2.54E-03	1.90E-03
4065	563012.7	4234911	1.85E-02	3.13E-03	1.49E-02	2.44E-03	1.82E-03
4066	563006.2	4234904	1.79E-02	3.04E-03	1.45E-02	2.37E-03	1.77E-03
4067	562997.9	4234889	1.85E-02	3.13E-03	1.49E-02	2.44E-03	1.82E-03
4068	562996	4234880	1.96E-02	3.33E-03	1.58E-02	2.60E-03	1.94E-03
4069	562994.2	4234871	2.10E-02	3.57E-03	1.70E-02	2.78E-03	2.08E-03
4070	562992.3	4234862	2.27E-02	3.85E-03	1.83E-02	3.00E-03	2.24E-03
4071	563032.2	4234930	2.14E-02	3.62E-03	1.72E-02	2.82E-03	2.11E-03
4072	563040.7	4234935	2.35E-02	3.99E-03	1.90E-02	3.11E-03	2.32E-03
4073	563049.1	4234939	2.60E-02	4.41E-03	2.10E-02	3.44E-03	2.57E-03
4074	563057.6	4234944	2.89E-02	4.90E-03	2.33E-02	3.82E-03	2.85E-03
4075	563066	4234949	3.21E-02	5.45E-03	2.59E-02	4.25E-03	3.17E-03
4076	563074.5	4234953	3.56E-02	6.04E-03	2.87E-02	4.71E-03	3.52E-03
4077	563082.9	4234958	3.90E-02	6.62E-03	3.15E-02	5.16E-03	3.85E-03
4078	563091.4	4234962	4.22E-02	7.16E-03	3.41E-02	5.58E-03	4.17E-03
4079	563099.8	4234967	4.50E-02	7.63E-03	3.63E-02	5.95E-03	4.44E-03
4080	563108.3	4234971	4.75E-02	8.06E-03	3.84E-02	6.28E-03	4.69E-03
4081	563116.7	4234976	4.95E-02	8.40E-03	4.00E-02	6.55E-03	4.89E-03
4082	563125.2	4234980	5.10E-02	8.65E-03	4.12E-02	6.74E-03	5.03E-03
4083	563133.6	4234985	5.18E-02	8.79E-03	4.18E-02	6.85E-03	5.11E-03
4084	563142.1	4234990	5.20E-02	8.82E-03	4.20E-02	6.87E-03	5.13E-03
4085	563150.5	4234994	5.16E-02	8.75E-03	4.16E-02	6.82E-03	5.09E-03
4086	563159	4234999	5.06E-02	8.58E-03	4.08E-02	6.69E-03	4.99E-03
4087	563167.4	4235003	4.90E-02	8.32E-03	3.96E-02	6.48E-03	4.84E-03
4088	563175.9	4235008	4.70E-02	7.98E-03	3.80E-02	6.22E-03	4.65E-03
4089	563184.3	4235012	4.47E-02	7.59E-03	3.61E-02	5.92E-03	4.42E-03
4090	563192.8	4235017	4.22E-02	7.16E-03	3.41E-02	5.58E-03	4.16E-03
4091	563201.2	4235021	3.95E-02	6.70E-03	3.19E-02	5.22E-03	3.90E-03
4092	563209.7	4235026	3.68E-02	6.24E-03	2.97E-02	4.86E-03	3.63E-03
4093	563021.4	4234933	1.86E-02	3.15E-03	1.50E-02	2.45E-03	1.83E-03
4094	563009.2	4234921	1.70E-02	2.88E-03	1.37E-02	2.24E-03	1.68E-03
4095	562997	4234909	1.60E-02	2.71E-03	1.29E-02	2.11E-03	1.58E-03
4096	562989.2	4234894	1.64E-02	2.78E-03	1.32E-02	2.17E-03	1.62E-03
4097	562985.7	4234877	1.83E-02	3.11E-03	1.48E-02	2.42E-03	1.81E-03
4098	563035.9	4234944	2.14E-02	3.64E-03	1.73E-02	2.84E-03	2.12E-03
4099	563044.4	4234948	2.36E-02	4.01E-03	1.91E-02	3.12E-03	2.33E-03
4100	563052.8	4234953	2.61E-02	4.43E-03	2.11E-02	3.45E-03	2.58E-03
4101	563061.3	4234957	2.88E-02	4.89E-03	2.32E-02	3.81E-03	2.84E-03
4102	563069.7	4234962	3.17E-02	5.38E-03	2.56E-02	4.19E-03	3.13E-03

4103	563078.2	4234966	3.46E-02	5.86E-03	2.79E-02	4.57E-03	3.41E-03
4104	563086.6	4234971	3.73E-02	6.34E-03	3.02E-02	4.94E-03	3.69E-03
4105	563095.1	4234976	4.00E-02	6.79E-03	3.23E-02	5.29E-03	3.95E-03
4106	563103.5	4234980	4.23E-02	7.18E-03	3.42E-02	5.60E-03	4.18E-03
4107	563112	4234985	4.42E-02	7.51E-03	3.57E-02	5.85E-03	4.37E-03
4108	563120.4	4234989	4.57E-02	7.75E-03	3.69E-02	6.04E-03	4.51E-03
4109	563128.9	4234994	4.66E-02	7.91E-03	3.76E-02	6.16E-03	4.60E-03
4110	563137.3	4234998	4.70E-02	7.97E-03	3.79E-02	6.21E-03	4.64E-03
4111	563145.8	4235003	4.68E-02	7.95E-03	3.78E-02	6.19E-03	4.63E-03
4112	563154.2	4235007	4.62E-02	7.84E-03	3.73E-02	6.11E-03	4.56E-03
4113	563162.7	4235012	4.51E-02	7.65E-03	3.64E-02	5.96E-03	4.45E-03
4114	563171.1	4235017	4.36E-02	7.39E-03	3.52E-02	5.76E-03	4.30E-03
4115	563179.6	4235021	4.17E-02	7.08E-03	3.37E-02	5.51E-03	4.12E-03
4116	563188.1	4235026	3.96E-02	6.72E-03	3.20E-02	5.24E-03	3.91E-03
4117	563196.5	4235030	3.73E-02	6.34E-03	3.01E-02	4.94E-03	3.69E-03
4118	563205	4235035	3.50E-02	5.94E-03	2.83E-02	4.63E-03	3.46E-03
4119	563016	4234941	1.69E-02	2.86E-03	1.36E-02	2.23E-03	1.67E-03
4120	563009.2	4234934	1.61E-02	2.74E-03	1.30E-02	2.13E-03	1.59E-03
4121	563002.4	4234928	1.54E-02	2.61E-03	1.24E-02	2.03E-03	1.52E-03
4122	562995.7	4234921	1.47E-02	2.49E-03	1.19E-02	1.94E-03	1.45E-03
4123	562988.9	4234914	1.43E-02	2.42E-03	1.15E-02	1.89E-03	1.41E-03
4124	562980.2	4234898	1.48E-02	2.51E-03	1.19E-02	1.95E-03	1.46E-03
4125	562978.3	4234889	1.56E-02	2.65E-03	1.26E-02	2.06E-03	1.54E-03
4126	562976.3	4234879	1.67E-02	2.83E-03	1.35E-02	2.20E-03	1.65E-03
4127	562974.4	4234870	1.79E-02	3.04E-03	1.45E-02	2.37E-03	1.77E-03
4128	562972.4	4234861	1.93E-02	3.28E-03	1.56E-02	2.56E-03	1.91E-03
4129	563022.7	4234948	1.78E-02	3.02E-03	1.44E-02	2.36E-03	1.76E-03
4130	563031.2	4234953	1.96E-02	3.33E-03	1.59E-02	2.60E-03	1.94E-03
4131	563039.6	4234957	2.16E-02	3.67E-03	1.74E-02	2.86E-03	2.13E-03
4132	563048.1	4234962	2.37E-02	4.03E-03	1.92E-02	3.14E-03	2.34E-03
4133	563056.5	4234966	2.61E-02	4.42E-03	2.11E-02	3.45E-03	2.57E-03
4134	563065	4234971	2.84E-02	4.82E-03	2.29E-02	3.76E-03	2.80E-03
4135	563073.4	4234975	3.08E-02	5.23E-03	2.49E-02	4.08E-03	3.05E-03
4136	563081.9	4234980	3.33E-02	5.66E-03	2.69E-02	4.41E-03	3.29E-03
4137	563090.3	4234984	3.58E-02	6.07E-03	2.89E-02	4.73E-03	3.53E-03
4138	563098.8	4234989	3.80E-02	6.44E-03	3.06E-02	5.02E-03	3.75E-03
4139	563107.2	4234993	3.97E-02	6.74E-03	3.21E-02	5.25E-03	3.92E-03
4140	563115.7	4234998	4.11E-02	6.98E-03	3.32E-02	5.44E-03	4.06E-03
4141	563124.2	4235003	4.21E-02	7.15E-03	3.40E-02	5.57E-03	4.16E-03
4142	563132.6	4235007	4.26E-02	7.23E-03	3.44E-02	5.64E-03	4.21E-03
4143	563141.1	4235012	4.27E-02	7.25E-03	3.45E-02	5.65E-03	4.22E-03
4144	563149.5	4235016	4.23E-02	7.18E-03	3.42E-02	5.60E-03	4.18E-03
4145	563158	4235021	4.15E-02	7.05E-03	3.35E-02	5.49E-03	4.10E-03
4146	563166.4	4235025	4.04E-02	6.85E-03	3.26E-02	5.34E-03	3.99E-03
4147	563174.9	4235030	3.89E-02	6.60E-03	3.14E-02	5.15E-03	3.84E-03
4148	563183.3	4235034	3.72E-02	6.31E-03	3.00E-02	4.92E-03	3.67E-03
4149	563191.8	4235039	3.53E-02	5.99E-03	2.85E-02	4.67E-03	3.48E-03
4150	563200.2	4235044	3.33E-02	5.65E-03	2.69E-02	4.40E-03	3.29E-03
4151	563007.2	4234960	1.40E-02	2.38E-03	1.13E-02	1.85E-03	1.38E-03
4152	562995	4234947	1.29E-02	2.19E-03	1.04E-02	1.71E-03	1.27E-03
4153	562982.8	4234935	1.19E-02	2.01E-03	9.57E-03	1.57E-03	1.17E-03
4154	562970.6	4234923	1.13E-02	1.92E-03	9.13E-03	1.49E-03	1.12E-03

4155	562962.8	4234909	1.17E-02	1.98E-03	9.42E-03	1.54E-03	1.15E-03
4156	562959.3	4234892	1.27E-02	2.15E-03	1.02E-02	1.68E-03	1.25E-03
4157	562955.8	4234875	1.42E-02	2.40E-03	1.14E-02	1.87E-03	1.40E-03
4158	563021.7	4234970	1.63E-02	2.76E-03	1.31E-02	2.15E-03	1.61E-03
4159	563030.2	4234975	1.79E-02	3.03E-03	1.44E-02	2.36E-03	1.76E-03
4160	563038.6	4234979	1.94E-02	3.30E-03	1.57E-02	2.57E-03	1.92E-03
4161	563047.1	4234984	2.11E-02	3.58E-03	1.70E-02	2.79E-03	2.08E-03
4162	563055.5	4234988	2.29E-02	3.89E-03	1.85E-02	3.03E-03	2.26E-03
4163	563064	4234993	2.49E-02	4.22E-03	2.01E-02	3.29E-03	2.45E-03
4164	563072.4	4234997	2.69E-02	4.56E-03	2.17E-02	3.56E-03	2.66E-03
4165	563080.9	4235002	2.90E-02	4.92E-03	2.34E-02	3.83E-03	2.86E-03
4166	563089.3	4235007	3.09E-02	5.25E-03	2.50E-02	4.09E-03	3.06E-03
4167	563097.8	4235011	3.26E-02	5.53E-03	2.63E-02	4.31E-03	3.22E-03
4168	563106.2	4235016	3.39E-02	5.74E-03	2.73E-02	4.48E-03	3.34E-03
4169	563114.7	4235020	3.48E-02	5.91E-03	2.81E-02	4.61E-03	3.44E-03
4170	563123.1	4235025	3.55E-02	6.02E-03	2.87E-02	4.69E-03	3.51E-03
4171	563131.6	4235029	3.58E-02	6.08E-03	2.89E-02	4.74E-03	3.54E-03
4172	563140	4235034	3.58E-02	6.08E-03	2.89E-02	4.74E-03	3.54E-03
4173	563148.5	4235038	3.55E-02	6.02E-03	2.87E-02	4.69E-03	3.50E-03
4174	563156.9	4235043	3.49E-02	5.91E-03	2.81E-02	4.61E-03	3.44E-03
4175	563165.4	4235047	3.39E-02	5.76E-03	2.74E-02	4.49E-03	3.35E-03
4176	563173.8	4235052	3.28E-02	5.57E-03	2.65E-02	4.34E-03	3.24E-03
4177	563182.3	4235057	3.15E-02	5.34E-03	2.54E-02	4.16E-03	3.11E-03
4178	563190.7	4235061	3.00E-02	5.10E-03	2.43E-02	3.97E-03	2.97E-03
4179	562997.5	4234977	1.20E-02	2.04E-03	9.73E-03	1.59E-03	1.19E-03
4180	562991.2	4234971	1.15E-02	1.95E-03	9.27E-03	1.52E-03	1.13E-03
4181	562978.5	4234958	1.05E-02	1.79E-03	8.51E-03	1.39E-03	1.04E-03
4182	562972.2	4234952	1.01E-02	1.72E-03	8.16E-03	1.34E-03	9.98E-04
4183	562959.6	4234939	9.49E-03	1.61E-03	7.67E-03	1.26E-03	9.38E-04
4184	562945.2	4234918	9.41E-03	1.60E-03	7.60E-03	1.24E-03	9.30E-04
4185	562941.5	4234900	1.02E-02	1.73E-03	8.23E-03	1.35E-03	1.01E-03
4186	562939.7	4234892	1.07E-02	1.82E-03	8.66E-03	1.42E-03	1.06E-03
4187	562936.1	4234874	1.21E-02	2.06E-03	9.81E-03	1.61E-03	1.20E-03
4188	563012.2	4234988	1.38E-02	2.33E-03	1.11E-02	1.82E-03	1.36E-03
4189	563020.7	4234992	1.49E-02	2.52E-03	1.20E-02	1.97E-03	1.47E-03
4190	563029.1	4234997	1.60E-02	2.72E-03	1.29E-02	2.12E-03	1.58E-03
4191	563037.6	4235001	1.74E-02	2.96E-03	1.41E-02	2.30E-03	1.72E-03
4192	563046	4235006	1.90E-02	3.22E-03	1.53E-02	2.51E-03	1.88E-03
4193	563054.5	4235010	2.06E-02	3.50E-03	1.67E-02	2.73E-03	2.04E-03
4194	563062.9	4235015	2.23E-02	3.79E-03	1.80E-02	2.95E-03	2.21E-03
4195	563071.4	4235020	2.40E-02	4.07E-03	1.94E-02	3.17E-03	2.37E-03
4196	563079.8	4235024	2.56E-02	4.34E-03	2.07E-02	3.39E-03	2.53E-03
4197	563088.3	4235029	2.70E-02	4.59E-03	2.18E-02	3.58E-03	2.67E-03
4198	563096.7	4235033	2.82E-02	4.78E-03	2.28E-02	3.73E-03	2.78E-03
4199	563105.2	4235038	2.91E-02	4.94E-03	2.35E-02	3.85E-03	2.87E-03
4200	563113.6	4235042	2.98E-02	5.06E-03	2.41E-02	3.95E-03	2.95E-03
4201	563122.1	4235047	3.04E-02	5.15E-03	2.45E-02	4.02E-03	3.00E-03
4202	563130.5	4235051	3.06E-02	5.19E-03	2.47E-02	4.05E-03	3.02E-03
4203	563139	4235056	3.05E-02	5.18E-03	2.47E-02	4.04E-03	3.02E-03
4204	563147.4	4235061	3.02E-02	5.13E-03	2.44E-02	4.00E-03	2.99E-03
4205	563155.9	4235065	2.97E-02	5.05E-03	2.40E-02	3.93E-03	2.94E-03
4206	563164.4	4235070	2.90E-02	4.92E-03	2.34E-02	3.84E-03	2.87E-03

4207	563172.8	4235074	2.81E-02	4.77E-03	2.27E-02	3.72E-03	2.78E-03
4208	563181.3	4235079	2.71E-02	4.59E-03	2.19E-02	3.58E-03	2.67E-03
4209	562987.8	4234994	1.07E-02	1.82E-03	8.66E-03	1.42E-03	1.06E-03
4210	562981.3	4234988	1.02E-02	1.74E-03	8.26E-03	1.35E-03	1.01E-03
4211	562974.8	4234981	9.77E-03	1.66E-03	7.89E-03	1.29E-03	9.65E-04
4212	562968.3	4234975	9.36E-03	1.59E-03	7.55E-03	1.24E-03	9.24E-04
4213	562961.8	4234968	8.99E-03	1.52E-03	7.26E-03	1.19E-03	8.88E-04
4214	562955.3	4234962	8.66E-03	1.47E-03	6.99E-03	1.15E-03	8.56E-04
4215	562948.8	4234955	8.38E-03	1.42E-03	6.77E-03	1.11E-03	8.28E-04
4216	562942.4	4234949	8.15E-03	1.38E-03	6.58E-03	1.08E-03	8.05E-04
4217	562935.9	4234942	7.97E-03	1.35E-03	6.44E-03	1.05E-03	7.87E-04
4218	562927.5	4234927	8.04E-03	1.36E-03	6.49E-03	1.06E-03	7.94E-04
4219	562925.6	4234918	8.32E-03	1.41E-03	6.72E-03	1.10E-03	8.21E-04
4220	562923.8	4234909	8.66E-03	1.47E-03	6.99E-03	1.15E-03	8.55E-04
4221	562921.9	4234900	9.09E-03	1.54E-03	7.34E-03	1.20E-03	8.97E-04
4222	562920	4234891	9.59E-03	1.63E-03	7.75E-03	1.27E-03	9.47E-04
4223	562918.2	4234882	1.02E-02	1.73E-03	8.23E-03	1.35E-03	1.01E-03
4224	562916.3	4234873	1.09E-02	1.85E-03	8.79E-03	1.44E-03	1.08E-03
4225	562914.5	4234864	1.17E-02	1.98E-03	9.42E-03	1.54E-03	1.15E-03
4226	562912.6	4234855	1.25E-02	2.13E-03	1.01E-02	1.66E-03	1.24E-03
4227	562994.3	4235001	1.13E-02	1.91E-03	9.09E-03	1.49E-03	1.11E-03
4228	563002.7	4235005	1.21E-02	2.05E-03	9.76E-03	1.60E-03	1.19E-03
4229	563011.2	4235010	1.30E-02	2.21E-03	1.05E-02	1.72E-03	1.28E-03
4230	563019.6	4235014	1.40E-02	2.37E-03	1.13E-02	1.85E-03	1.38E-03
4231	563028.1	4235019	1.50E-02	2.55E-03	1.21E-02	1.99E-03	1.49E-03
4232	563036.6	4235024	1.62E-02	2.75E-03	1.31E-02	2.14E-03	1.60E-03
4233	563045	4235028	1.75E-02	2.97E-03	1.41E-02	2.32E-03	1.73E-03
4234	563053.5	4235033	1.89E-02	3.20E-03	1.52E-02	2.49E-03	1.86E-03
4235	563061.9	4235037	2.02E-02	3.43E-03	1.63E-02	2.67E-03	2.00E-03
4236	563070.4	4235042	2.15E-02	3.64E-03	1.73E-02	2.84E-03	2.12E-03
4237	563078.8	4235046	2.26E-02	3.83E-03	1.82E-02	2.99E-03	2.23E-03
4238	563087.3	4235051	2.36E-02	4.00E-03	1.90E-02	3.11E-03	2.33E-03
4239	563095.7	4235055	2.44E-02	4.14E-03	1.97E-02	3.22E-03	2.41E-03
4240	563104.2	4235060	2.52E-02	4.27E-03	2.03E-02	3.33E-03	2.49E-03
4241	563112.6	4235064	2.58E-02	4.38E-03	2.08E-02	3.41E-03	2.55E-03
4242	563121.1	4235069	2.61E-02	4.44E-03	2.11E-02	3.46E-03	2.58E-03
4243	563129.5	4235074	2.63E-02	4.46E-03	2.12E-02	3.48E-03	2.60E-03
4244	563138	4235078	2.63E-02	4.46E-03	2.12E-02	3.47E-03	2.59E-03
4245	563146.4	4235083	2.61E-02	4.42E-03	2.11E-02	3.45E-03	2.57E-03
4246	563154.9	4235087	2.57E-02	4.36E-03	2.08E-02	3.40E-03	2.54E-03
4247	563163.3	4235092	2.51E-02	4.26E-03	2.03E-02	3.32E-03	2.48E-03
4248	563171.8	4235096	2.44E-02	4.13E-03	1.97E-02	3.22E-03	2.41E-03
4249	562978.2	4235012	9.64E-03	1.64E-03	7.79E-03	1.28E-03	9.52E-04
4250	562971.5	4235005	9.21E-03	1.56E-03	7.43E-03	1.22E-03	9.09E-04
4251	562964.9	4234999	8.81E-03	1.49E-03	7.11E-03	1.16E-03	8.70E-04
4252	562958.3	4234992	8.43E-03	1.43E-03	6.81E-03	1.12E-03	8.33E-04
4253	562951.6	4234985	8.10E-03	1.37E-03	6.54E-03	1.07E-03	8.00E-04
4254	562945	4234979	7.79E-03	1.32E-03	6.29E-03	1.03E-03	7.70E-04
4255	562938.3	4234972	7.52E-03	1.28E-03	6.08E-03	9.95E-04	7.43E-04
4256	562931.7	4234965	7.29E-03	1.24E-03	5.89E-03	9.64E-04	7.20E-04
4257	562925.1	4234959	7.10E-03	1.20E-03	5.73E-03	9.39E-04	7.01E-04
4258	562918.4	4234952	6.94E-03	1.18E-03	5.60E-03	9.18E-04	6.85E-04

4259	562909.9	4234936	6.98E-03	1.19E-03	5.64E-03	9.24E-04	6.90E-04
4260	562908	4234927	7.20E-03	1.22E-03	5.81E-03	9.52E-04	7.11E-04
4261	562906.1	4234918	7.47E-03	1.27E-03	6.03E-03	9.88E-04	7.38E-04
4262	562904.1	4234909	7.80E-03	1.32E-03	6.30E-03	1.03E-03	7.70E-04
4263	562902.2	4234900	8.20E-03	1.39E-03	6.62E-03	1.09E-03	8.10E-04
4264	562900.3	4234890	8.68E-03	1.47E-03	7.01E-03	1.15E-03	8.58E-04
4265	562898.4	4234881	9.24E-03	1.57E-03	7.46E-03	1.22E-03	9.13E-04
4266	562896.5	4234872	9.88E-03	1.68E-03	7.98E-03	1.31E-03	9.76E-04
4267	562894.6	4234863	1.06E-02	1.80E-03	8.55E-03	1.40E-03	1.05E-03
4268	562892.7	4234854	1.14E-02	1.93E-03	9.19E-03	1.51E-03	1.12E-03
4269	562984.8	4235018	1.01E-02	1.71E-03	8.16E-03	1.34E-03	9.98E-04
4270	562993.3	4235023	1.08E-02	1.83E-03	8.71E-03	1.43E-03	1.07E-03
4271	563001.7	4235028	1.15E-02	1.96E-03	9.31E-03	1.53E-03	1.14E-03
4272	563010.2	4235032	1.23E-02	2.09E-03	9.96E-03	1.63E-03	1.22E-03
4273	563018.6	4235037	1.32E-02	2.24E-03	1.07E-02	1.75E-03	1.30E-03
4274	563027.1	4235041	1.41E-02	2.39E-03	1.14E-02	1.87E-03	1.39E-03
4275	563035.5	4235046	1.51E-02	2.56E-03	1.22E-02	1.99E-03	1.49E-03
4276	563044	4235050	1.62E-02	2.74E-03	1.31E-02	2.14E-03	1.60E-03
4277	563052.4	4235055	1.73E-02	2.93E-03	1.40E-02	2.29E-03	1.71E-03
4278	563060.9	4235059	1.84E-02	3.12E-03	1.48E-02	2.43E-03	1.81E-03
4279	563069.3	4235064	1.93E-02	3.28E-03	1.56E-02	2.56E-03	1.91E-03
4280	563077.8	4235068	2.02E-02	3.42E-03	1.63E-02	2.67E-03	1.99E-03
4281	563086.2	4235073	2.09E-02	3.55E-03	1.69E-02	2.77E-03	2.07E-03
4282	563094.7	4235078	2.16E-02	3.66E-03	1.74E-02	2.86E-03	2.13E-03
4283	563103.1	4235082	2.21E-02	3.75E-03	1.79E-02	2.93E-03	2.19E-03
4284	563111.6	4235087	2.25E-02	3.82E-03	1.82E-02	2.97E-03	2.22E-03
4285	563120	4235091	2.27E-02	3.86E-03	1.84E-02	3.01E-03	2.24E-03
4286	563128.5	4235096	2.29E-02	3.88E-03	1.85E-02	3.02E-03	2.26E-03
4287	563136.9	4235100	2.28E-02	3.87E-03	1.84E-02	3.02E-03	2.26E-03
4288	563145.4	4235105	2.26E-02	3.84E-03	1.83E-02	2.99E-03	2.24E-03
4289	563153.8	4235109	2.23E-02	3.78E-03	1.80E-02	2.95E-03	2.20E-03
4290	563162.3	4235114	2.18E-02	3.71E-03	1.76E-02	2.89E-03	2.16E-03
4291	562968.6	4235029	8.74E-03	1.48E-03	7.05E-03	1.16E-03	8.63E-04
4292	562961.8	4235023	8.36E-03	1.42E-03	6.75E-03	1.11E-03	8.25E-04
4293	562955	4235016	8.00E-03	1.36E-03	6.46E-03	1.06E-03	7.90E-04
4294	562948.3	4235009	7.67E-03	1.30E-03	6.19E-03	1.01E-03	7.58E-04
4295	562941.5	4235002	7.36E-03	1.25E-03	5.95E-03	9.74E-04	7.27E-04
4296	562934.8	4234996	7.08E-03	1.20E-03	5.72E-03	9.37E-04	7.00E-04
4297	562928	4234989	6.83E-03	1.16E-03	5.52E-03	9.04E-04	6.75E-04
4298	562921.2	4234982	6.61E-03	1.12E-03	5.34E-03	8.74E-04	6.53E-04
4299	562914.5	4234975	6.41E-03	1.09E-03	5.18E-03	8.48E-04	6.33E-04
4300	562907.7	4234968	6.25E-03	1.06E-03	5.04E-03	8.26E-04	6.17E-04
4301	562900.9	4234962	6.11E-03	1.04E-03	4.94E-03	8.08E-04	6.04E-04
4302	562892.2	4234946	6.14E-03	1.04E-03	4.95E-03	8.11E-04	6.06E-04
4303	562890.3	4234936	6.30E-03	1.07E-03	5.09E-03	8.34E-04	6.23E-04
4304	562888.4	4234927	6.52E-03	1.11E-03	5.26E-03	8.62E-04	6.44E-04
4305	562886.4	4234918	6.78E-03	1.15E-03	5.48E-03	8.97E-04	6.70E-04
4306	562884.5	4234908	7.10E-03	1.21E-03	5.74E-03	9.40E-04	7.02E-04
4307	562882.5	4234899	7.49E-03	1.27E-03	6.05E-03	9.90E-04	7.40E-04
4308	562880.6	4234889	7.94E-03	1.35E-03	6.41E-03	1.05E-03	7.84E-04
4309	562878.6	4234880	8.46E-03	1.44E-03	6.83E-03	1.12E-03	8.35E-04
4310	562876.7	4234871	9.01E-03	1.53E-03	7.28E-03	1.19E-03	8.90E-04

4311	562874.8	4234861	9.57E-03	1.62E-03	7.73E-03	1.27E-03	9.45E-04
4312	562872.8	4234852	1.01E-02	1.72E-03	8.19E-03	1.34E-03	1.00E-03
4313	562975.3	4235036	9.13E-03	1.55E-03	7.37E-03	1.21E-03	9.02E-04
4314	562983.8	4235041	9.71E-03	1.65E-03	7.84E-03	1.28E-03	9.59E-04
4315	562992.2	4235045	1.03E-02	1.75E-03	8.34E-03	1.37E-03	1.02E-03
4316	563000.7	4235050	1.10E-02	1.87E-03	8.88E-03	1.45E-03	1.09E-03
4317	563009.1	4235054	1.17E-02	1.99E-03	9.45E-03	1.55E-03	1.16E-03
4318	563017.6	4235059	1.25E-02	2.11E-03	1.01E-02	1.65E-03	1.23E-03
4319	563026	4235063	1.32E-02	2.24E-03	1.07E-02	1.75E-03	1.31E-03
4320	563034.5	4235068	1.40E-02	2.38E-03	1.13E-02	1.86E-03	1.39E-03
4321	563042.9	4235072	1.49E-02	2.54E-03	1.21E-02	1.98E-03	1.48E-03
4322	563051.4	4235077	1.59E-02	2.69E-03	1.28E-02	2.10E-03	1.57E-03
4323	563059.8	4235082	1.68E-02	2.84E-03	1.35E-02	2.22E-03	1.65E-03
4324	563068.3	4235086	1.75E-02	2.98E-03	1.42E-02	2.32E-03	1.73E-03
4325	563076.8	4235091	1.82E-02	3.09E-03	1.47E-02	2.41E-03	1.80E-03
4326	563085.2	4235095	1.88E-02	3.19E-03	1.52E-02	2.49E-03	1.86E-03
4327	563093.7	4235100	1.93E-02	3.27E-03	1.56E-02	2.55E-03	1.91E-03
4328	563102.1	4235104	1.97E-02	3.34E-03	1.59E-02	2.60E-03	1.94E-03
4329	563110.6	4235109	2.00E-02	3.39E-03	1.61E-02	2.64E-03	1.97E-03
4330	563119	4235113	2.01E-02	3.42E-03	1.63E-02	2.66E-03	1.99E-03
4331	563127.5	4235118	2.02E-02	3.42E-03	1.63E-02	2.67E-03	1.99E-03
4332	563135.9	4235122	2.01E-02	3.41E-03	1.62E-02	2.66E-03	1.99E-03
4333	563144.4	4235127	1.99E-02	3.38E-03	1.61E-02	2.63E-03	1.97E-03
4334	563152.8	4235132	1.96E-02	3.33E-03	1.58E-02	2.60E-03	1.94E-03
4335	562959.5	4235047	7.99E-03	1.36E-03	6.45E-03	1.06E-03	7.89E-04
4336	562953.1	4235041	7.68E-03	1.30E-03	6.20E-03	1.02E-03	7.59E-04
4337	562946.7	4235035	7.39E-03	1.25E-03	5.96E-03	9.77E-04	7.29E-04
4338	562940.3	4235028	7.11E-03	1.21E-03	5.74E-03	9.40E-04	7.02E-04
4339	562927.6	4235015	6.60E-03	1.12E-03	5.33E-03	8.73E-04	6.52E-04
4340	562921.2	4235009	6.37E-03	1.08E-03	5.15E-03	8.43E-04	6.30E-04
4341	562914.8	4235003	6.17E-03	1.05E-03	4.98E-03	8.16E-04	6.09E-04
4342	562902.1	4234990	5.81E-03	9.86E-04	4.69E-03	7.68E-04	5.74E-04
4343	562895.7	4234984	5.66E-03	9.61E-04	4.57E-03	7.49E-04	5.59E-04
4344	562889.3	4234977	5.53E-03	9.39E-04	4.47E-03	7.32E-04	5.47E-04
4345	562874.8	4234956	5.44E-03	9.22E-04	4.39E-03	7.19E-04	5.37E-04
4346	562871.1	4234938	5.71E-03	9.69E-04	4.61E-03	7.55E-04	5.64E-04
4347	562869.3	4234929	5.90E-03	1.00E-03	4.76E-03	7.80E-04	5.82E-04
4348	562865.6	4234912	6.39E-03	1.08E-03	5.16E-03	8.45E-04	6.31E-04
4349	562863.8	4234903	6.70E-03	1.14E-03	5.41E-03	8.87E-04	6.62E-04
4350	562860.1	4234885	7.48E-03	1.27E-03	6.04E-03	9.90E-04	7.39E-04
4351	562856.4	4234867	8.27E-03	1.40E-03	6.68E-03	1.09E-03	8.17E-04
4352	562854.6	4234859	8.60E-03	1.46E-03	6.95E-03	1.14E-03	8.50E-04
4353	562974.3	4235058	8.80E-03	1.49E-03	7.11E-03	1.16E-03	8.69E-04
4354	562982.8	4235063	9.33E-03	1.58E-03	7.53E-03	1.23E-03	9.21E-04
4355	562991.2	4235067	9.89E-03	1.68E-03	7.98E-03	1.31E-03	9.76E-04
4356	562999.7	4235072	1.05E-02	1.78E-03	8.46E-03	1.39E-03	1.03E-03
4357	563008.1	4235076	1.11E-02	1.88E-03	8.96E-03	1.47E-03	1.10E-03
4358	563016.6	4235081	1.17E-02	1.99E-03	9.48E-03	1.55E-03	1.16E-03
4359	563025	4235085	1.24E-02	2.10E-03	1.00E-02	1.64E-03	1.22E-03
4360	563033.5	4235090	1.31E-02	2.22E-03	1.06E-02	1.73E-03	1.29E-03
4361	563041.9	4235095	1.38E-02	2.35E-03	1.12E-02	1.83E-03	1.37E-03
4362	563050.4	4235099	1.46E-02	2.48E-03	1.18E-02	1.93E-03	1.44E-03

4363	563058.8	4235104	1.53E-02	2.60E-03	1.24E-02	2.03E-03	1.51E-03
4364	563067.3	4235108	1.60E-02	2.71E-03	1.29E-02	2.11E-03	1.58E-03
4365	563075.7	4235113	1.65E-02	2.80E-03	1.33E-02	2.18E-03	1.63E-03
4366	563084.2	4235117	1.70E-02	2.88E-03	1.37E-02	2.24E-03	1.68E-03
4367	563092.6	4235122	1.74E-02	2.94E-03	1.40E-02	2.29E-03	1.71E-03
4368	563101.1	4235126	1.77E-02	3.00E-03	1.43E-02	2.34E-03	1.74E-03
4369	563109.5	4235131	1.79E-02	3.03E-03	1.44E-02	2.36E-03	1.76E-03
4370	563118	4235136	1.80E-02	3.05E-03	1.45E-02	2.38E-03	1.78E-03
4371	563126.4	4235140	1.80E-02	3.05E-03	1.45E-02	2.38E-03	1.78E-03
4372	563134.9	4235145	1.79E-02	3.04E-03	1.45E-02	2.37E-03	1.77E-03
4373	563143.3	4235149	1.77E-02	3.01E-03	1.43E-02	2.35E-03	1.75E-03
4374	562949.9	4235065	7.32E-03	1.24E-03	5.91E-03	9.69E-04	7.23E-04
4375	562943.4	4235058	7.05E-03	1.20E-03	5.69E-03	9.32E-04	6.96E-04
4376	562936.9	4235052	6.79E-03	1.15E-03	5.48E-03	8.98E-04	6.71E-04
4377	562930.4	4235045	6.54E-03	1.11E-03	5.28E-03	8.65E-04	6.46E-04
4378	562923.9	4235039	6.30E-03	1.07E-03	5.09E-03	8.34E-04	6.23E-04
4379	562917.4	4235032	6.08E-03	1.03E-03	4.91E-03	8.04E-04	6.01E-04
4380	562910.9	4235026	5.87E-03	9.97E-04	4.74E-03	7.77E-04	5.80E-04
4381	562904.4	4235019	5.68E-03	9.64E-04	4.59E-03	7.51E-04	5.61E-04
4382	562897.9	4235013	5.51E-03	9.34E-04	4.45E-03	7.28E-04	5.44E-04
4383	562891.4	4235006	5.34E-03	9.07E-04	4.32E-03	7.07E-04	5.28E-04
4384	562885	4235000	5.20E-03	8.82E-04	4.20E-03	6.88E-04	5.13E-04
4385	562878.5	4234993	5.07E-03	8.61E-04	4.09E-03	6.71E-04	5.01E-04
4386	562872	4234987	4.96E-03	8.42E-04	4.01E-03	6.56E-04	4.90E-04
4387	562865.5	4234980	4.87E-03	8.26E-04	3.93E-03	6.44E-04	4.81E-04
4388	562857.1	4234965	4.87E-03	8.26E-04	3.93E-03	6.44E-04	4.81E-04
4389	562855.3	4234956	4.96E-03	8.42E-04	4.01E-03	6.56E-04	4.90E-04
4390	562853.4	4234947	5.09E-03	8.63E-04	4.11E-03	6.73E-04	5.02E-04
4391	562851.5	4234938	5.24E-03	8.89E-04	4.23E-03	6.93E-04	5.18E-04
4392	562849.7	4234929	5.42E-03	9.20E-04	4.38E-03	7.17E-04	5.36E-04
4393	562847.8	4234920	5.64E-03	9.58E-04	4.56E-03	7.46E-04	5.57E-04
4394	562845.9	4234911	5.90E-03	1.00E-03	4.77E-03	7.80E-04	5.83E-04
4395	562844.1	4234902	6.20E-03	1.05E-03	5.01E-03	8.20E-04	6.12E-04
4396	562842.2	4234893	6.55E-03	1.11E-03	5.29E-03	8.66E-04	6.46E-04
4397	562840.3	4234884	6.94E-03	1.18E-03	5.60E-03	9.17E-04	6.85E-04
4398	562838.5	4234875	7.37E-03	1.25E-03	5.95E-03	9.74E-04	7.27E-04
4399	562836.6	4234866	7.76E-03	1.32E-03	6.27E-03	1.03E-03	7.67E-04
4400	562834.8	4234857	8.22E-03	1.40E-03	6.64E-03	1.09E-03	8.12E-04
4401	562832.9	4234848	8.75E-03	1.48E-03	7.06E-03	1.16E-03	8.64E-04
4402	562964.8	4235076	8.03E-03	1.36E-03	6.48E-03	1.06E-03	7.93E-04
4403	562973.3	4235080	8.48E-03	1.44E-03	6.85E-03	1.12E-03	8.37E-04
4404	562981.7	4235085	8.95E-03	1.52E-03	7.23E-03	1.18E-03	8.84E-04
4405	562990.2	4235089	9.45E-03	1.60E-03	7.63E-03	1.25E-03	9.33E-04
4406	562998.6	4235094	9.97E-03	1.69E-03	8.05E-03	1.32E-03	9.85E-04
4407	563007.1	4235099	1.05E-02	1.78E-03	8.49E-03	1.39E-03	1.04E-03
4408	563015.5	4235103	1.11E-02	1.88E-03	8.94E-03	1.46E-03	1.09E-03
4409	563024	4235108	1.16E-02	1.97E-03	9.39E-03	1.54E-03	1.15E-03
4410	563032.4	4235112	1.22E-02	2.07E-03	9.85E-03	1.61E-03	1.20E-03
4411	563040.9	4235117	1.28E-02	2.18E-03	1.04E-02	1.70E-03	1.27E-03
4412	563049.3	4235121	1.34E-02	2.28E-03	1.09E-02	1.78E-03	1.33E-03
4413	563057.8	4235126	1.40E-02	2.37E-03	1.13E-02	1.85E-03	1.38E-03
4414	563066.2	4235130	1.45E-02	2.46E-03	1.17E-02	1.91E-03	1.43E-03

4415	563074.7	4235135	1.49E-02	2.53E-03	1.20E-02	1.97E-03	1.47E-03
4416	563083.1	4235139	1.53E-02	2.60E-03	1.24E-02	2.03E-03	1.51E-03
4417	563091.6	4235144	1.57E-02	2.66E-03	1.27E-02	2.07E-03	1.55E-03
4418	563100	4235149	1.59E-02	2.70E-03	1.29E-02	2.11E-03	1.57E-03
4419	563108.5	4235153	1.61E-02	2.72E-03	1.30E-02	2.12E-03	1.59E-03
4420	563117	4235158	1.61E-02	2.74E-03	1.30E-02	2.13E-03	1.59E-03
4421	563125.4	4235162	1.62E-02	2.74E-03	1.31E-02	2.14E-03	1.60E-03
4422	563133.9	4235167	1.61E-02	2.73E-03	1.30E-02	2.13E-03	1.59E-03
4423	562940.3	4235082	6.75E-03	1.15E-03	5.45E-03	8.92E-04	6.66E-04
4424	562933.7	4235076	6.51E-03	1.10E-03	5.25E-03	8.60E-04	6.42E-04
4425	562927.1	4235069	6.27E-03	1.06E-03	5.06E-03	8.29E-04	6.19E-04
4426	562920.5	4235063	6.05E-03	1.03E-03	4.88E-03	8.00E-04	5.97E-04
4427	562913.9	4235056	5.84E-03	9.90E-04	4.71E-03	7.72E-04	5.76E-04
4428	562907.3	4235049	5.63E-03	9.56E-04	4.55E-03	7.45E-04	5.56E-04
4429	562900.7	4235043	5.44E-03	9.24E-04	4.40E-03	7.20E-04	5.38E-04
4430	562894.1	4235036	5.27E-03	8.94E-04	4.25E-03	6.96E-04	5.20E-04
4431	562887.5	4235030	5.10E-03	8.66E-04	4.12E-03	6.75E-04	5.04E-04
4432	562881	4235023	4.95E-03	8.40E-04	4.00E-03	6.55E-04	4.89E-04
4433	562874.4	4235016	4.81E-03	8.16E-04	3.88E-03	6.36E-04	4.75E-04
4434	562867.8	4235010	4.69E-03	7.95E-04	3.78E-03	6.20E-04	4.63E-04
4435	562861.2	4235003	4.58E-03	7.76E-04	3.69E-03	6.05E-04	4.52E-04
4436	562854.6	4234997	4.48E-03	7.60E-04	3.62E-03	5.92E-04	4.42E-04
4437	562848	4234990	4.40E-03	7.46E-04	3.55E-03	5.81E-04	4.34E-04
4438	562839.5	4234974	4.39E-03	7.45E-04	3.54E-03	5.80E-04	4.33E-04
4439	562837.6	4234965	4.47E-03	7.58E-04	3.61E-03	5.91E-04	4.41E-04
4440	562835.7	4234956	4.57E-03	7.75E-04	3.69E-03	6.04E-04	4.51E-04
4441	562833.8	4234947	4.69E-03	7.96E-04	3.79E-03	6.21E-04	4.64E-04
4442	562831.9	4234938	4.85E-03	8.22E-04	3.91E-03	6.41E-04	4.79E-04
4443	562830	4234929	5.03E-03	8.53E-04	4.06E-03	6.65E-04	4.96E-04
4444	562828.1	4234920	5.24E-03	8.89E-04	4.23E-03	6.93E-04	5.17E-04
4445	562826.2	4234911	5.49E-03	9.31E-04	4.43E-03	7.26E-04	5.42E-04
4446	562824.4	4234901	5.77E-03	9.80E-04	4.66E-03	7.63E-04	5.70E-04
4447	562822.5	4234892	6.10E-03	1.03E-03	4.92E-03	8.06E-04	6.02E-04
4448	562820.6	4234883	6.46E-03	1.10E-03	5.22E-03	8.55E-04	6.38E-04
4449	562818.7	4234874	6.88E-03	1.17E-03	5.56E-03	9.10E-04	6.80E-04
4450	562816.8	4234865	7.34E-03	1.25E-03	5.93E-03	9.70E-04	7.25E-04
4451	562814.9	4234856	7.84E-03	1.33E-03	6.33E-03	1.04E-03	7.74E-04
4452	562813	4234847	8.37E-03	1.42E-03	6.76E-03	1.11E-03	8.27E-04
4453	562946.9	4235089	7.00E-03	1.19E-03	5.65E-03	9.26E-04	6.91E-04
4454	562955.3	4235093	7.36E-03	1.25E-03	5.95E-03	9.74E-04	7.27E-04
4455	562963.8	4235098	7.75E-03	1.31E-03	6.26E-03	1.02E-03	7.65E-04
4456	562972.2	4235103	8.15E-03	1.38E-03	6.58E-03	1.08E-03	8.05E-04
4457	562980.7	4235107	8.58E-03	1.46E-03	6.93E-03	1.13E-03	8.47E-04
4458	562989.2	4235112	9.02E-03	1.53E-03	7.29E-03	1.19E-03	8.91E-04
4459	562997.6	4235116	9.48E-03	1.61E-03	7.66E-03	1.25E-03	9.36E-04
4460	563006.1	4235121	9.95E-03	1.69E-03	8.04E-03	1.32E-03	9.83E-04
4461	563014.5	4235125	1.04E-02	1.77E-03	8.42E-03	1.38E-03	1.03E-03
4462	563023	4235130	1.09E-02	1.85E-03	8.81E-03	1.44E-03	1.08E-03
4463	563031.4	4235134	1.14E-02	1.93E-03	9.20E-03	1.51E-03	1.13E-03
4464	563039.9	4235139	1.19E-02	2.02E-03	9.59E-03	1.57E-03	1.17E-03
4465	563048.3	4235143	1.23E-02	2.09E-03	9.96E-03	1.63E-03	1.22E-03
4466	563056.8	4235148	1.27E-02	2.16E-03	1.03E-02	1.69E-03	1.26E-03

4467	563065.2	4235153	1.31E-02	2.23E-03	1.06E-02	1.74E-03	1.30E-03
4468	563073.7	4235157	1.35E-02	2.30E-03	1.09E-02	1.79E-03	1.34E-03
4469	563082.1	4235162	1.39E-02	2.35E-03	1.12E-02	1.83E-03	1.37E-03
4470	563090.6	4235166	1.41E-02	2.39E-03	1.14E-02	1.87E-03	1.39E-03
4471	563099	4235171	1.43E-02	2.43E-03	1.15E-02	1.89E-03	1.41E-03
4472	563107.5	4235175	1.45E-02	2.45E-03	1.17E-02	1.91E-03	1.43E-03
4473	563115.9	4235180	1.46E-02	2.47E-03	1.18E-02	1.93E-03	1.44E-03
4474	563124.4	4235184	1.46E-02	2.48E-03	1.18E-02	1.93E-03	1.44E-03
4475	562930.7	4235100	6.24E-03	1.06E-03	5.04E-03	8.26E-04	6.17E-04
4476	562924	4235093	6.03E-03	1.02E-03	4.87E-03	7.97E-04	5.95E-04
4477	562917.4	4235086	5.82E-03	9.87E-04	4.70E-03	7.69E-04	5.75E-04
4478	562910.7	4235080	5.62E-03	9.53E-04	4.54E-03	7.43E-04	5.55E-04
4479	562904	4235073	5.42E-03	9.20E-04	4.38E-03	7.17E-04	5.36E-04
4480	562897.3	4235066	5.24E-03	8.89E-04	4.23E-03	6.93E-04	5.18E-04
4481	562890.6	4235060	5.07E-03	8.60E-04	4.09E-03	6.70E-04	5.00E-04
4482	562883.9	4235053	4.90E-03	8.32E-04	3.96E-03	6.48E-04	4.84E-04
4483	562877.3	4235046	4.75E-03	8.06E-04	3.84E-03	6.28E-04	4.69E-04
4484	562870.6	4235040	4.61E-03	7.82E-04	3.72E-03	6.10E-04	4.55E-04
4485	562863.9	4235033	4.48E-03	7.60E-04	3.62E-03	5.92E-04	4.42E-04
4486	562857.2	4235026	4.36E-03	7.40E-04	3.52E-03	5.76E-04	4.30E-04
4487	562850.5	4235020	4.25E-03	7.21E-04	3.43E-03	5.62E-04	4.20E-04
4488	562843.8	4235013	4.15E-03	7.05E-04	3.35E-03	5.49E-04	4.10E-04
4489	562837.2	4235006	4.07E-03	6.90E-04	3.29E-03	5.38E-04	4.02E-04
4490	562830.5	4235000	4.00E-03	6.78E-04	3.23E-03	5.28E-04	3.95E-04
4491	562821.9	4234984	3.98E-03	6.76E-04	3.22E-03	5.27E-04	3.93E-04
4492	562820	4234975	4.04E-03	6.85E-04	3.26E-03	5.34E-04	3.99E-04
4493	562818	4234965	4.11E-03	6.97E-04	3.32E-03	5.44E-04	4.06E-04
4494	562816.1	4234956	4.21E-03	7.14E-04	3.40E-03	5.56E-04	4.15E-04
4495	562814.2	4234947	4.32E-03	7.33E-04	3.49E-03	5.71E-04	4.27E-04
4496	562812.3	4234938	4.46E-03	7.57E-04	3.60E-03	5.90E-04	4.41E-04
4497	562810.4	4234928	4.63E-03	7.85E-04	3.74E-03	6.12E-04	4.57E-04
4498	562808.4	4234919	4.82E-03	8.18E-04	3.89E-03	6.38E-04	4.76E-04
4499	562806.5	4234910	5.05E-03	8.57E-04	4.08E-03	6.68E-04	4.99E-04
4500	562804.6	4234901	5.32E-03	9.03E-04	4.30E-03	7.04E-04	5.26E-04
4501	562802.7	4234891	5.66E-03	9.60E-04	4.57E-03	7.48E-04	5.59E-04
4502	562800.8	4234882	6.04E-03	1.02E-03	4.87E-03	7.98E-04	5.96E-04
4503	562798.9	4234873	6.45E-03	1.09E-03	5.21E-03	8.53E-04	6.37E-04
4504	562796.9	4234864	6.88E-03	1.17E-03	5.55E-03	9.10E-04	6.79E-04
4505	562795	4234854	7.35E-03	1.25E-03	5.93E-03	9.71E-04	7.26E-04
4506	562793.1	4234845	7.84E-03	1.33E-03	6.33E-03	1.04E-03	7.75E-04
4507	562937.4	4235106	6.47E-03	1.10E-03	5.22E-03	8.55E-04	6.39E-04
4508	562945.9	4235111	6.79E-03	1.15E-03	5.48E-03	8.97E-04	6.70E-04
4509	562954.3	4235116	7.12E-03	1.21E-03	5.75E-03	9.42E-04	7.03E-04
4510	562962.8	4235120	7.47E-03	1.27E-03	6.03E-03	9.88E-04	7.38E-04
4511	562971.2	4235125	7.84E-03	1.33E-03	6.33E-03	1.04E-03	7.74E-04
4512	562979.7	4235129	8.21E-03	1.39E-03	6.63E-03	1.09E-03	8.11E-04
4513	562988.1	4235134	8.61E-03	1.46E-03	6.95E-03	1.14E-03	8.50E-04
4514	562996.6	4235138	9.01E-03	1.53E-03	7.27E-03	1.19E-03	8.90E-04
4515	563005	4235143	9.42E-03	1.60E-03	7.61E-03	1.25E-03	9.30E-04
4516	563013.5	4235147	9.83E-03	1.67E-03	7.94E-03	1.30E-03	9.71E-04
4517	563021.9	4235152	1.02E-02	1.74E-03	8.28E-03	1.36E-03	1.01E-03
4518	563030.4	4235157	1.07E-02	1.81E-03	8.61E-03	1.41E-03	1.05E-03

4519	563038.8	4235161	1.11E-02	1.88E-03	8.93E-03	1.46E-03	1.09E-03
4520	563047.3	4235166	1.14E-02	1.94E-03	9.23E-03	1.51E-03	1.13E-03
4521	563055.7	4235170	1.18E-02	2.00E-03	9.52E-03	1.56E-03	1.16E-03
4522	563064.2	4235175	1.21E-02	2.06E-03	9.78E-03	1.60E-03	1.20E-03
4523	563072.6	4235179	1.24E-02	2.10E-03	1.00E-02	1.64E-03	1.22E-03
4524	563081.1	4235184	1.26E-02	2.14E-03	1.02E-02	1.67E-03	1.25E-03
4525	563089.5	4235188	1.28E-02	2.18E-03	1.04E-02	1.70E-03	1.27E-03
4526	563098	4235193	1.30E-02	2.21E-03	1.05E-02	1.72E-03	1.29E-03
4527	563106.4	4235197	1.32E-02	2.23E-03	1.06E-02	1.74E-03	1.30E-03
4528	563114.9	4235202	1.32E-02	2.25E-03	1.07E-02	1.75E-03	1.31E-03
4529	562921.2	4235117	5.80E-03	9.84E-04	4.68E-03	7.67E-04	5.73E-04
4530	562914.4	4235111	5.61E-03	9.51E-04	4.53E-03	7.41E-04	5.54E-04
4531	562907.6	4235104	5.42E-03	9.19E-04	4.37E-03	7.16E-04	5.35E-04
4532	562900.9	4235097	5.24E-03	8.88E-04	4.23E-03	6.92E-04	5.17E-04
4533	562894.1	4235090	5.06E-03	8.59E-04	4.09E-03	6.69E-04	5.00E-04
4534	562887.4	4235084	4.89E-03	8.30E-04	3.95E-03	6.47E-04	4.83E-04
4535	562880.6	4235077	4.73E-03	8.03E-04	3.82E-03	6.26E-04	4.68E-04
4536	562873.8	4235070	4.58E-03	7.78E-04	3.70E-03	6.06E-04	4.53E-04
4537	562867.1	4235063	4.44E-03	7.54E-04	3.59E-03	5.88E-04	4.39E-04
4538	562860.3	4235057	4.31E-03	7.32E-04	3.48E-03	5.70E-04	4.26E-04
4539	562853.5	4235050	4.19E-03	7.11E-04	3.38E-03	5.54E-04	4.14E-04
4540	562846.8	4235043	4.08E-03	6.92E-04	3.29E-03	5.39E-04	4.02E-04
4541	562840	4235036	3.97E-03	6.74E-04	3.21E-03	5.25E-04	3.92E-04
4542	562833.3	4235030	3.88E-03	6.58E-04	3.13E-03	5.13E-04	3.83E-04
4543	562826.5	4235023	3.79E-03	6.44E-04	3.06E-03	5.02E-04	3.75E-04
4544	562819.7	4235016	3.72E-03	6.31E-04	3.00E-03	4.92E-04	3.67E-04
4545	562813	4235009	3.65E-03	6.20E-04	2.95E-03	4.83E-04	3.61E-04
4546	562804.3	4234993	3.63E-03	6.16E-04	2.93E-03	4.80E-04	3.59E-04
4547	562802.3	4234984	3.66E-03	6.22E-04	2.96E-03	4.84E-04	3.62E-04
4548	562800.4	4234974	3.70E-03	6.28E-04	2.99E-03	4.90E-04	3.66E-04
4549	562798.4	4234965	3.76E-03	6.38E-04	3.03E-03	4.97E-04	3.71E-04
4550	562796.5	4234956	3.85E-03	6.54E-04	3.11E-03	5.10E-04	3.81E-04
4551	562794.5	4234946	3.97E-03	6.73E-04	3.20E-03	5.25E-04	3.92E-04
4552	562792.6	4234937	4.11E-03	6.97E-04	3.32E-03	5.43E-04	4.06E-04
4553	562790.7	4234928	4.28E-03	7.25E-04	3.45E-03	5.65E-04	4.22E-04
4554	562788.7	4234918	4.47E-03	7.58E-04	3.61E-03	5.91E-04	4.41E-04
4555	562786.8	4234909	4.69E-03	7.96E-04	3.79E-03	6.21E-04	4.63E-04
4556	562784.8	4234900	4.97E-03	8.43E-04	4.01E-03	6.57E-04	4.91E-04
4557	562782.9	4234890	5.28E-03	8.96E-04	4.26E-03	6.98E-04	5.22E-04
4558	562781	4234881	5.63E-03	9.55E-04	4.54E-03	7.44E-04	5.56E-04
4559	562779	4234872	5.99E-03	1.02E-03	4.84E-03	7.93E-04	5.92E-04
4560	562777.1	4234862	6.38E-03	1.08E-03	5.15E-03	8.44E-04	6.30E-04
4561	562775.1	4234853	6.80E-03	1.15E-03	5.49E-03	8.99E-04	6.71E-04
4562	562773.2	4234843	7.25E-03	1.23E-03	5.85E-03	9.58E-04	7.16E-04
4563	562927.9	4235124	6.00E-03	1.02E-03	4.84E-03	7.93E-04	5.93E-04
4564	562936.4	4235129	6.28E-03	1.07E-03	5.07E-03	8.30E-04	6.20E-04
4565	562944.8	4235133	6.57E-03	1.12E-03	5.31E-03	8.69E-04	6.49E-04
4566	562953.3	4235138	6.88E-03	1.17E-03	5.55E-03	9.09E-04	6.79E-04
4567	562961.7	4235142	7.19E-03	1.22E-03	5.81E-03	9.51E-04	7.10E-04
4568	562970.2	4235147	7.52E-03	1.28E-03	6.07E-03	9.95E-04	7.43E-04
4569	562978.6	4235151	7.86E-03	1.33E-03	6.35E-03	1.04E-03	7.76E-04
4570	562987.1	4235156	8.21E-03	1.39E-03	6.63E-03	1.09E-03	8.10E-04

4571	562995.5	4235160	8.56E-03	1.45E-03	6.91E-03	1.13E-03	8.45E-04
4572	563004	4235165	8.92E-03	1.51E-03	7.20E-03	1.18E-03	8.81E-04
4573	563012.4	4235170	9.28E-03	1.57E-03	7.49E-03	1.23E-03	9.16E-04
4574	563020.9	4235174	9.63E-03	1.63E-03	7.78E-03	1.27E-03	9.51E-04
4575	563029.4	4235179	9.98E-03	1.69E-03	8.06E-03	1.32E-03	9.86E-04
4576	563037.8	4235183	1.03E-02	1.75E-03	8.33E-03	1.36E-03	1.02E-03
4577	563046.3	4235188	1.06E-02	1.81E-03	8.59E-03	1.41E-03	1.05E-03
4578	563054.7	4235192	1.09E-02	1.86E-03	8.83E-03	1.45E-03	1.08E-03
4579	563063.2	4235197	1.12E-02	1.90E-03	9.05E-03	1.48E-03	1.11E-03
4580	563071.6	4235201	1.14E-02	1.94E-03	9.23E-03	1.51E-03	1.13E-03
4581	563080.1	4235206	1.16E-02	1.97E-03	9.39E-03	1.54E-03	1.15E-03
4582	563088.5	4235211	1.18E-02	2.00E-03	9.52E-03	1.56E-03	1.16E-03
4583	563097	4235215	1.19E-02	2.02E-03	9.62E-03	1.58E-03	1.18E-03
4584	563105.4	4235220	1.20E-02	2.04E-03	9.70E-03	1.59E-03	1.19E-03
4585	562902.4	4235153	5.06E-03	8.59E-04	4.09E-03	6.70E-04	5.00E-04
4586	562895.8	4235146	4.91E-03	8.34E-04	3.97E-03	6.50E-04	4.85E-04
4587	562889.3	4235140	4.77E-03	8.09E-04	3.85E-03	6.30E-04	4.71E-04
4588	562882.7	4235133	4.62E-03	7.84E-04	3.73E-03	6.11E-04	4.56E-04
4589	562876.1	4235126	4.48E-03	7.60E-04	3.62E-03	5.93E-04	4.43E-04
4590	562869.6	4235120	4.35E-03	7.37E-04	3.51E-03	5.75E-04	4.29E-04
4591	562863	4235113	4.22E-03	7.15E-04	3.40E-03	5.58E-04	4.16E-04
4592	562856.4	4235107	4.09E-03	6.94E-04	3.30E-03	5.41E-04	4.04E-04
4593	562849.8	4235100	3.98E-03	6.75E-04	3.21E-03	5.26E-04	3.93E-04
4594	562843.3	4235094	3.86E-03	6.56E-04	3.12E-03	5.11E-04	3.82E-04
4595	562836.7	4235087	3.76E-03	6.38E-04	3.04E-03	4.97E-04	3.71E-04
4596	562830.1	4235081	3.66E-03	6.21E-04	2.96E-03	4.84E-04	3.62E-04
4597	562823.6	4235074	3.57E-03	6.05E-04	2.88E-03	4.72E-04	3.52E-04
4598	562817	4235067	3.48E-03	5.91E-04	2.81E-03	4.61E-04	3.44E-04
4599	562810.4	4235061	3.40E-03	5.77E-04	2.75E-03	4.50E-04	3.36E-04
4600	562803.9	4235054	3.33E-03	5.65E-04	2.69E-03	4.40E-04	3.29E-04
4601	562797.3	4235048	3.26E-03	5.53E-04	2.63E-03	4.31E-04	3.22E-04
4602	562790.7	4235041	3.19E-03	5.41E-04	2.58E-03	4.22E-04	3.15E-04
4603	562784.1	4235035	3.12E-03	5.29E-04	2.52E-03	4.12E-04	3.08E-04
4604	562777.6	4235028	3.05E-03	5.18E-04	2.46E-03	4.03E-04	3.01E-04
4605	562769.1	4235012	3.01E-03	5.11E-04	2.43E-03	3.98E-04	2.98E-04
4606	562767.2	4235003	3.04E-03	5.16E-04	2.46E-03	4.02E-04	3.00E-04
4607	562765.3	4234994	3.08E-03	5.23E-04	2.49E-03	4.07E-04	3.04E-04
4608	562763.5	4234985	3.13E-03	5.31E-04	2.53E-03	4.14E-04	3.09E-04
4609	562761.6	4234976	3.19E-03	5.42E-04	2.58E-03	4.22E-04	3.15E-04
4610	562759.7	4234967	3.27E-03	5.55E-04	2.64E-03	4.32E-04	3.23E-04
4611	562757.8	4234958	3.36E-03	5.70E-04	2.71E-03	4.45E-04	3.32E-04
4612	562755.9	4234949	3.47E-03	5.89E-04	2.80E-03	4.59E-04	3.43E-04
4613	562754	4234940	3.59E-03	6.10E-04	2.90E-03	4.75E-04	3.55E-04
4614	562752.1	4234931	3.74E-03	6.34E-04	3.02E-03	4.94E-04	3.69E-04
4615	562750.3	4234922	3.90E-03	6.61E-04	3.15E-03	5.15E-04	3.85E-04
4616	562748.4	4234912	4.08E-03	6.93E-04	3.30E-03	5.40E-04	4.03E-04
4617	562746.5	4234903	4.29E-03	7.28E-04	3.46E-03	5.67E-04	4.24E-04
4618	562744.6	4234894	4.52E-03	7.67E-04	3.65E-03	5.98E-04	4.46E-04
4619	562742.7	4234885	4.78E-03	8.11E-04	3.86E-03	6.32E-04	4.72E-04
4620	562740.8	4234876	5.06E-03	8.59E-04	4.09E-03	6.69E-04	5.00E-04
4621	562738.9	4234867	5.37E-03	9.12E-04	4.34E-03	7.10E-04	5.31E-04
4622	562737.1	4234858	5.71E-03	9.69E-04	4.61E-03	7.55E-04	5.64E-04

4623	562735.2	4234849	6.07E-03	1.03E-03	4.90E-03	8.03E-04	5.99E-04
4624	562733.3	4234840	6.45E-03	1.10E-03	5.21E-03	8.53E-04	6.37E-04
4625	562909	4235159	5.22E-03	8.85E-04	4.21E-03	6.90E-04	5.15E-04
4626	562917.4	4235164	5.44E-03	9.23E-04	4.39E-03	7.19E-04	5.37E-04
4627	562925.9	4235168	5.67E-03	9.61E-04	4.57E-03	7.49E-04	5.60E-04
4628	562934.3	4235173	5.90E-03	1.00E-03	4.76E-03	7.80E-04	5.83E-04
4629	562942.8	4235177	6.14E-03	1.04E-03	4.96E-03	8.12E-04	6.07E-04
4630	562951.2	4235182	6.39E-03	1.08E-03	5.16E-03	8.45E-04	6.31E-04
4631	562959.7	4235187	6.65E-03	1.13E-03	5.37E-03	8.79E-04	6.57E-04
4632	562968.1	4235191	6.91E-03	1.17E-03	5.58E-03	9.14E-04	6.83E-04
4633	562976.6	4235196	7.18E-03	1.22E-03	5.80E-03	9.49E-04	7.09E-04
4634	562985	4235200	7.45E-03	1.26E-03	6.02E-03	9.85E-04	7.36E-04
4635	562993.5	4235205	7.72E-03	1.31E-03	6.24E-03	1.02E-03	7.63E-04
4636	563001.9	4235209	8.00E-03	1.36E-03	6.46E-03	1.06E-03	7.90E-04
4637	563010.4	4235214	8.27E-03	1.40E-03	6.68E-03	1.09E-03	8.17E-04
4638	563018.8	4235218	8.54E-03	1.45E-03	6.89E-03	1.13E-03	8.43E-04
4639	563027.3	4235223	8.80E-03	1.49E-03	7.10E-03	1.16E-03	8.69E-04
4640	563035.7	4235228	9.04E-03	1.53E-03	7.30E-03	1.20E-03	8.93E-04
4641	563044.2	4235232	9.27E-03	1.57E-03	7.49E-03	1.23E-03	9.16E-04
4642	563052.6	4235237	9.48E-03	1.61E-03	7.66E-03	1.25E-03	9.36E-04
4643	563061.1	4235241	9.67E-03	1.64E-03	7.81E-03	1.28E-03	9.55E-04
4644	563069.6	4235246	9.83E-03	1.67E-03	7.94E-03	1.30E-03	9.71E-04
4645	563078	4235250	9.96E-03	1.69E-03	8.04E-03	1.32E-03	9.84E-04
4646	563086.5	4235255	1.01E-02	1.71E-03	8.12E-03	1.33E-03	9.94E-04
4647	562883.3	4235188	4.47E-03	7.58E-04	3.61E-03	5.91E-04	4.41E-04
4648	562876.6	4235181	4.34E-03	7.37E-04	3.51E-03	5.74E-04	4.29E-04
4649	562869.9	4235174	4.22E-03	7.16E-04	3.41E-03	5.58E-04	4.17E-04
4650	562863.2	4235168	4.10E-03	6.95E-04	3.31E-03	5.42E-04	4.05E-04
4651	562856.5	4235161	3.98E-03	6.75E-04	3.21E-03	5.26E-04	3.93E-04
4652	562849.8	4235154	3.86E-03	6.55E-04	3.12E-03	5.11E-04	3.81E-04
4653	562843.1	4235148	3.75E-03	6.37E-04	3.03E-03	4.96E-04	3.70E-04
4654	562836.4	4235141	3.64E-03	6.18E-04	2.94E-03	4.82E-04	3.60E-04
4655	562829.7	4235134	3.54E-03	6.01E-04	2.86E-03	4.69E-04	3.50E-04
4656	562823	4235128	3.45E-03	5.85E-04	2.78E-03	4.56E-04	3.40E-04
4657	562816.3	4235121	3.35E-03	5.69E-04	2.71E-03	4.43E-04	3.31E-04
4658	562809.6	4235114	3.27E-03	5.55E-04	2.64E-03	4.32E-04	3.23E-04
4659	562802.9	4235107	3.19E-03	5.41E-04	2.58E-03	4.22E-04	3.15E-04
4660	562796.2	4235101	3.11E-03	5.28E-04	2.51E-03	4.12E-04	3.07E-04
4661	562789.5	4235094	3.03E-03	5.14E-04	2.45E-03	4.01E-04	2.99E-04
4662	562782.7	4235087	2.95E-03	5.00E-04	2.38E-03	3.90E-04	2.91E-04
4663	562776	4235081	2.87E-03	4.87E-04	2.32E-03	3.80E-04	2.83E-04
4664	562769.3	4235074	2.80E-03	4.75E-04	2.26E-03	3.70E-04	2.76E-04
4665	562762.6	4235067	2.73E-03	4.64E-04	2.21E-03	3.61E-04	2.70E-04
4666	562755.9	4235061	2.69E-03	4.56E-04	2.17E-03	3.55E-04	2.65E-04
4667	562749.2	4235054	2.64E-03	4.48E-04	2.13E-03	3.49E-04	2.61E-04
4668	562742.5	4235047	2.60E-03	4.42E-04	2.10E-03	3.44E-04	2.57E-04
4669	562733.9	4235031	2.58E-03	4.39E-04	2.09E-03	3.42E-04	2.55E-04
4670	562732	4235022	2.61E-03	4.43E-04	2.11E-03	3.45E-04	2.58E-04
4671	562730	4235013	2.64E-03	4.48E-04	2.13E-03	3.49E-04	2.61E-04
4672	562728.1	4235003	2.68E-03	4.54E-04	2.16E-03	3.54E-04	2.64E-04
4673	562726.2	4234994	2.72E-03	4.62E-04	2.20E-03	3.60E-04	2.69E-04
4674	562724.3	4234985	2.78E-03	4.71E-04	2.24E-03	3.67E-04	2.74E-04

4675	562722.3	4234976	2.84E-03	4.82E-04	2.30E-03	3.76E-04	2.81E-04
4676	562720.4	4234966	2.92E-03	4.96E-04	2.36E-03	3.86E-04	2.88E-04
4677	562718.5	4234957	3.01E-03	5.11E-04	2.43E-03	3.98E-04	2.97E-04
4678	562716.6	4234948	3.12E-03	5.29E-04	2.52E-03	4.12E-04	3.08E-04
4679	562714.6	4234939	3.24E-03	5.49E-04	2.61E-03	4.28E-04	3.20E-04
4680	562712.7	4234929	3.37E-03	5.72E-04	2.72E-03	4.46E-04	3.33E-04
4681	562710.8	4234920	3.53E-03	5.98E-04	2.85E-03	4.66E-04	3.48E-04
4682	562708.9	4234911	3.70E-03	6.27E-04	2.99E-03	4.89E-04	3.65E-04
4683	562706.9	4234901	3.89E-03	6.60E-04	3.14E-03	5.14E-04	3.84E-04
4684	562705	4234892	4.10E-03	6.96E-04	3.31E-03	5.43E-04	4.05E-04
4685	562703.1	4234883	4.34E-03	7.36E-04	3.50E-03	5.74E-04	4.28E-04
4686	562701.2	4234874	4.60E-03	7.80E-04	3.71E-03	6.08E-04	4.54E-04
4687	562699.2	4234864	4.88E-03	8.27E-04	3.94E-03	6.45E-04	4.82E-04
4688	562697.3	4234855	5.18E-03	8.79E-04	4.18E-03	6.85E-04	5.11E-04
4689	562695.4	4234846	5.50E-03	9.34E-04	4.44E-03	7.28E-04	5.43E-04
4690	562693.5	4234836	5.84E-03	9.91E-04	4.72E-03	7.73E-04	5.77E-04
4691	562890	4235195	4.59E-03	7.79E-04	3.71E-03	6.07E-04	4.54E-04
4692	562898.5	4235199	4.77E-03	8.09E-04	3.85E-03	6.31E-04	4.71E-04
4693	562906.9	4235204	4.95E-03	8.40E-04	4.00E-03	6.55E-04	4.89E-04
4694	562915.4	4235208	5.14E-03	8.72E-04	4.15E-03	6.79E-04	5.07E-04
4695	562923.8	4235213	5.33E-03	9.04E-04	4.30E-03	7.04E-04	5.26E-04
4696	562932.3	4235217	5.52E-03	9.37E-04	4.46E-03	7.30E-04	5.45E-04
4697	562940.7	4235222	5.72E-03	9.70E-04	4.62E-03	7.56E-04	5.65E-04
4698	562949.2	4235226	5.92E-03	1.00E-03	4.78E-03	7.83E-04	5.85E-04
4699	562957.6	4235231	6.13E-03	1.04E-03	4.95E-03	8.10E-04	6.05E-04
4700	562966.1	4235235	6.34E-03	1.08E-03	5.12E-03	8.38E-04	6.26E-04
4701	562974.5	4235240	6.55E-03	1.11E-03	5.29E-03	8.66E-04	6.47E-04
4702	562983	4235245	6.77E-03	1.15E-03	5.46E-03	8.95E-04	6.68E-04
4703	562991.4	4235249	6.98E-03	1.18E-03	5.64E-03	9.23E-04	6.89E-04
4704	562999.9	4235254	7.19E-03	1.22E-03	5.81E-03	9.51E-04	7.10E-04
4705	563008.3	4235258	7.40E-03	1.26E-03	5.98E-03	9.79E-04	7.31E-04
4706	563016.8	4235263	7.61E-03	1.29E-03	6.14E-03	1.01E-03	7.51E-04
4707	563025.2	4235267	7.80E-03	1.32E-03	6.30E-03	1.03E-03	7.70E-04
4708	563033.7	4235272	7.98E-03	1.35E-03	6.45E-03	1.06E-03	7.88E-04
4709	563042.1	4235276	8.15E-03	1.38E-03	6.58E-03	1.08E-03	8.05E-04
4710	563050.6	4235281	8.30E-03	1.41E-03	6.71E-03	1.10E-03	8.20E-04
4711	563059	4235286	8.44E-03	1.43E-03	6.81E-03	1.12E-03	8.33E-04
4712	563067.5	4235290	8.55E-03	1.45E-03	6.90E-03	1.13E-03	8.44E-04
4713	562864.5	4235223	3.98E-03	6.76E-04	3.22E-03	5.27E-04	3.93E-04
4714	562857.9	4235217	3.88E-03	6.59E-04	3.13E-03	5.13E-04	3.83E-04
4715	562851.4	4235210	3.77E-03	6.40E-04	3.05E-03	4.99E-04	3.73E-04
4716	562844.8	4235204	3.65E-03	6.20E-04	2.95E-03	4.83E-04	3.61E-04
4717	562838.3	4235197	3.55E-03	6.02E-04	2.87E-03	4.69E-04	3.50E-04
4718	562831.7	4235190	3.45E-03	5.86E-04	2.79E-03	4.57E-04	3.41E-04
4719	562825.2	4235184	3.37E-03	5.72E-04	2.72E-03	4.46E-04	3.33E-04
4720	562818.6	4235177	3.29E-03	5.58E-04	2.65E-03	4.35E-04	3.25E-04
4721	562812.1	4235171	3.18E-03	5.40E-04	2.57E-03	4.21E-04	3.15E-04
4722	562805.5	4235164	3.09E-03	5.24E-04	2.49E-03	4.08E-04	3.05E-04
4723	562798.9	4235158	2.99E-03	5.08E-04	2.42E-03	3.96E-04	2.96E-04
4724	562792.4	4235151	2.91E-03	4.93E-04	2.35E-03	3.84E-04	2.87E-04
4725	562785.8	4235145	2.84E-03	4.82E-04	2.29E-03	3.76E-04	2.81E-04
4726	562779.3	4235138	2.78E-03	4.72E-04	2.25E-03	3.68E-04	2.75E-04

4727	562772.7	4235132	2.72E-03	4.62E-04	2.20E-03	3.60E-04	2.69E-04
4728	562766.2	4235125	2.66E-03	4.51E-04	2.15E-03	3.52E-04	2.63E-04
4729	562759.6	4235118	2.60E-03	4.42E-04	2.10E-03	3.44E-04	2.57E-04
4730	562753.1	4235112	2.55E-03	4.33E-04	2.06E-03	3.38E-04	2.52E-04
4731	562746.5	4235105	2.50E-03	4.25E-04	2.02E-03	3.31E-04	2.47E-04
4732	562740	4235099	2.46E-03	4.17E-04	1.99E-03	3.25E-04	2.43E-04
4733	562733.4	4235092	2.42E-03	4.10E-04	1.95E-03	3.20E-04	2.39E-04
4734	562726.8	4235086	2.38E-03	4.04E-04	1.92E-03	3.15E-04	2.35E-04
4735	562720.3	4235079	2.34E-03	3.97E-04	1.89E-03	3.10E-04	2.31E-04
4736	562713.7	4235073	2.31E-03	3.91E-04	1.86E-03	3.05E-04	2.28E-04
4737	562707.2	4235066	2.27E-03	3.86E-04	1.84E-03	3.01E-04	2.25E-04
4738	562698.7	4235050	2.26E-03	3.83E-04	1.82E-03	2.99E-04	2.23E-04
4739	562696.9	4235041	2.27E-03	3.86E-04	1.84E-03	3.01E-04	2.25E-04
4740	562695	4235032	2.29E-03	3.89E-04	1.85E-03	3.03E-04	2.26E-04
4741	562693.1	4235023	2.32E-03	3.93E-04	1.87E-03	3.07E-04	2.29E-04
4742	562691.2	4235014	2.35E-03	3.98E-04	1.90E-03	3.11E-04	2.32E-04
4743	562689.3	4235005	2.39E-03	4.05E-04	1.93E-03	3.15E-04	2.36E-04
4744	562687.5	4234996	2.43E-03	4.12E-04	1.96E-03	3.21E-04	2.40E-04
4745	562685.6	4234987	2.48E-03	4.21E-04	2.00E-03	3.28E-04	2.45E-04
4746	562683.7	4234978	2.54E-03	4.32E-04	2.05E-03	3.36E-04	2.51E-04
4747	562681.8	4234969	2.61E-03	4.44E-04	2.11E-03	3.46E-04	2.58E-04
4748	562679.9	4234960	2.70E-03	4.57E-04	2.18E-03	3.56E-04	2.66E-04
4749	562678	4234951	2.79E-03	4.73E-04	2.25E-03	3.69E-04	2.75E-04
4750	562676.2	4234942	2.89E-03	4.91E-04	2.34E-03	3.83E-04	2.86E-04
4751	562674.3	4234933	3.01E-03	5.11E-04	2.43E-03	3.98E-04	2.97E-04
4752	562672.4	4234924	3.14E-03	5.33E-04	2.54E-03	4.15E-04	3.10E-04
4753	562670.5	4234914	3.29E-03	5.58E-04	2.65E-03	4.35E-04	3.25E-04
4754	562668.6	4234905	3.45E-03	5.85E-04	2.78E-03	4.56E-04	3.41E-04
4755	562666.7	4234896	3.63E-03	6.15E-04	2.93E-03	4.80E-04	3.58E-04
4756	562664.9	4234887	3.82E-03	6.48E-04	3.09E-03	5.05E-04	3.77E-04
4757	562663	4234878	4.03E-03	6.84E-04	3.26E-03	5.33E-04	3.98E-04
4758	562661.1	4234869	4.26E-03	7.23E-04	3.44E-03	5.64E-04	4.21E-04
4759	562659.2	4234860	4.51E-03	7.65E-04	3.64E-03	5.96E-04	4.45E-04
4760	562657.3	4234851	4.77E-03	8.10E-04	3.86E-03	6.31E-04	4.72E-04
4761	562655.5	4234842	5.05E-03	8.58E-04	4.08E-03	6.68E-04	4.99E-04
4762	562653.6	4234833	5.35E-03	9.07E-04	4.32E-03	7.07E-04	5.28E-04
4763	562871.1	4235230	4.08E-03	6.93E-04	3.30E-03	5.40E-04	4.03E-04
4764	562879.5	4235234	4.23E-03	7.17E-04	3.41E-03	5.59E-04	4.18E-04
4765	562888	4235239	4.38E-03	7.42E-04	3.53E-03	5.79E-04	4.32E-04
4766	562896.4	4235243	4.52E-03	7.68E-04	3.65E-03	5.98E-04	4.47E-04
4767	562904.9	4235248	4.68E-03	7.94E-04	3.78E-03	6.18E-04	4.62E-04
4768	562913.3	4235252	4.83E-03	8.20E-04	3.90E-03	6.39E-04	4.77E-04
4769	562921.8	4235257	4.99E-03	8.46E-04	4.03E-03	6.60E-04	4.93E-04
4770	562930.2	4235262	5.15E-03	8.73E-04	4.16E-03	6.81E-04	5.08E-04
4771	562938.7	4235266	5.31E-03	9.01E-04	4.29E-03	7.02E-04	5.24E-04
4772	562947.1	4235271	5.47E-03	9.29E-04	4.42E-03	7.24E-04	5.41E-04
4773	562955.6	4235275	5.64E-03	9.57E-04	4.56E-03	7.46E-04	5.57E-04
4774	562964	4235280	5.81E-03	9.86E-04	4.69E-03	7.69E-04	5.74E-04
4775	562972.5	4235284	5.98E-03	1.02E-03	4.83E-03	7.91E-04	5.91E-04
4776	562980.9	4235289	6.15E-03	1.04E-03	4.97E-03	8.14E-04	6.08E-04
4777	562989.4	4235293	6.32E-03	1.07E-03	5.11E-03	8.36E-04	6.25E-04
4778	562997.8	4235298	6.49E-03	1.10E-03	5.24E-03	8.58E-04	6.41E-04

4779	563006.3	4235303	6.65E-03	1.13E-03	5.37E-03	8.80E-04	6.57E-04
4780	563014.7	4235307	6.81E-03	1.16E-03	5.50E-03	9.01E-04	6.73E-04
4781	563023.2	4235312	6.96E-03	1.18E-03	5.62E-03	9.21E-04	6.87E-04
4782	563031.6	4235316	7.10E-03	1.20E-03	5.73E-03	9.39E-04	7.01E-04
4783	563040.1	4235321	7.22E-03	1.23E-03	5.83E-03	9.55E-04	7.14E-04
4784	563048.5	4235325	7.34E-03	1.24E-03	5.92E-03	9.70E-04	7.24E-04
4785	562845.4	4235258	3.51E-03	5.95E-04	2.83E-03	4.64E-04	3.46E-04
4786	562838.8	4235252	3.42E-03	5.81E-04	2.77E-03	4.53E-04	3.38E-04
4787	562832.1	4235245	3.34E-03	5.66E-04	2.69E-03	4.41E-04	3.29E-04
4788	562825.4	4235238	3.24E-03	5.50E-04	2.62E-03	4.28E-04	3.20E-04
4789	562818.8	4235232	3.15E-03	5.35E-04	2.55E-03	4.17E-04	3.11E-04
4790	562812.1	4235225	3.07E-03	5.21E-04	2.48E-03	4.06E-04	3.03E-04
4791	562805.4	4235218	2.99E-03	5.08E-04	2.42E-03	3.96E-04	2.95E-04
4792	562798.8	4235212	2.92E-03	4.95E-04	2.35E-03	3.86E-04	2.88E-04
4793	562792.1	4235205	2.84E-03	4.82E-04	2.29E-03	3.76E-04	2.81E-04
4794	562785.4	4235198	2.77E-03	4.70E-04	2.24E-03	3.66E-04	2.74E-04
4795	562778.8	4235192	2.70E-03	4.59E-04	2.18E-03	3.57E-04	2.67E-04
4796	562772.1	4235185	2.64E-03	4.48E-04	2.13E-03	3.49E-04	2.61E-04
4797	562765.4	4235178	2.58E-03	4.38E-04	2.08E-03	3.41E-04	2.55E-04
4798	562758.8	4235172	2.52E-03	4.28E-04	2.04E-03	3.33E-04	2.49E-04
4799	562752.1	4235165	2.47E-03	4.19E-04	1.99E-03	3.26E-04	2.44E-04
4800	562745.4	4235158	2.42E-03	4.10E-04	1.95E-03	3.20E-04	2.39E-04
4801	562738.8	4235152	2.37E-03	4.02E-04	1.91E-03	3.13E-04	2.34E-04
4802	562732.1	4235145	2.32E-03	3.94E-04	1.88E-03	3.07E-04	2.30E-04
4803	562725.4	4235138	2.28E-03	3.87E-04	1.84E-03	3.02E-04	2.25E-04
4804	562718.8	4235132	2.24E-03	3.80E-04	1.81E-03	2.96E-04	2.21E-04
4805	562712.1	4235125	2.20E-03	3.74E-04	1.78E-03	2.91E-04	2.18E-04
4806	562705.4	4235119	2.17E-03	3.68E-04	1.75E-03	2.87E-04	2.14E-04
4807	562698.8	4235112	2.13E-03	3.62E-04	1.72E-03	2.82E-04	2.11E-04
4808	562692.1	4235105	2.10E-03	3.56E-04	1.70E-03	2.78E-04	2.07E-04
4809	562685.4	4235099	2.07E-03	3.51E-04	1.67E-03	2.74E-04	2.04E-04
4810	562678.8	4235092	2.04E-03	3.46E-04	1.65E-03	2.70E-04	2.01E-04
4811	562672.1	4235085	2.01E-03	3.41E-04	1.62E-03	2.66E-04	1.99E-04
4812	562663.5	4235069	1.99E-03	3.38E-04	1.61E-03	2.64E-04	1.97E-04
4813	562661.6	4235060	2.01E-03	3.40E-04	1.62E-03	2.65E-04	1.98E-04
4814	562659.7	4235051	2.02E-03	3.43E-04	1.63E-03	2.67E-04	1.99E-04
4815	562657.8	4235042	2.04E-03	3.46E-04	1.64E-03	2.69E-04	2.01E-04
4816	562655.9	4235032	2.06E-03	3.49E-04	1.66E-03	2.72E-04	2.03E-04
4817	562653.9	4235023	2.09E-03	3.54E-04	1.68E-03	2.76E-04	2.06E-04
4818	562652	4235014	2.12E-03	3.59E-04	1.71E-03	2.80E-04	2.09E-04
4819	562650.1	4235005	2.16E-03	3.66E-04	1.74E-03	2.85E-04	2.13E-04
4820	562648.2	4234996	2.20E-03	3.74E-04	1.78E-03	2.91E-04	2.18E-04
4821	562646.3	4234986	2.26E-03	3.83E-04	1.82E-03	2.99E-04	2.23E-04
4822	562644.4	4234977	2.32E-03	3.94E-04	1.87E-03	3.07E-04	2.29E-04
4823	562642.5	4234968	2.39E-03	4.06E-04	1.93E-03	3.16E-04	2.36E-04
4824	562640.6	4234959	2.47E-03	4.19E-04	1.99E-03	3.27E-04	2.44E-04
4825	562638.6	4234949	2.56E-03	4.35E-04	2.07E-03	3.39E-04	2.53E-04
4826	562636.7	4234940	2.66E-03	4.52E-04	2.15E-03	3.52E-04	2.63E-04
4827	562634.8	4234931	2.77E-03	4.71E-04	2.24E-03	3.67E-04	2.74E-04
4828	562632.9	4234922	2.90E-03	4.92E-04	2.34E-03	3.83E-04	2.86E-04
4829	562631	4234913	3.04E-03	5.15E-04	2.45E-03	4.02E-04	3.00E-04
4830	562629.1	4234903	3.19E-03	5.41E-04	2.57E-03	4.22E-04	3.15E-04

4831	562627.2	4234894	3.35E-03	5.69E-04	2.71E-03	4.43E-04	3.31E-04
4832	562625.2	4234885	3.53E-03	5.99E-04	2.85E-03	4.67E-04	3.49E-04
4833	562623.3	4234876	3.73E-03	6.33E-04	3.01E-03	4.93E-04	3.68E-04
4834	562621.4	4234866	3.94E-03	6.68E-04	3.18E-03	5.21E-04	3.89E-04
4835	562619.5	4234857	4.16E-03	7.06E-04	3.36E-03	5.51E-04	4.11E-04
4836	562617.6	4234848	4.40E-03	7.47E-04	3.55E-03	5.82E-04	4.35E-04
4837	562615.7	4234839	4.65E-03	7.90E-04	3.76E-03	6.16E-04	4.60E-04
4838	562613.8	4234830	4.92E-03	8.35E-04	3.97E-03	6.50E-04	4.86E-04
4839	562852.1	4235265	3.58E-03	6.07E-04	2.89E-03	4.73E-04	3.53E-04
4840	562860.5	4235270	3.71E-03	6.30E-04	3.00E-03	4.91E-04	3.66E-04
4841	562869	4235274	3.86E-03	6.54E-04	3.11E-03	5.10E-04	3.81E-04
4842	562877.4	4235279	4.00E-03	6.80E-04	3.23E-03	5.30E-04	3.96E-04
4843	562885.9	4235283	4.15E-03	7.04E-04	3.35E-03	5.49E-04	4.10E-04
4844	562894.4	4235288	4.27E-03	7.25E-04	3.45E-03	5.65E-04	4.22E-04
4845	562902.8	4235292	4.40E-03	7.47E-04	3.55E-03	5.82E-04	4.35E-04
4846	562911.3	4235297	4.53E-03	7.68E-04	3.66E-03	5.99E-04	4.47E-04
4847	562919.7	4235301	4.66E-03	7.90E-04	3.76E-03	6.16E-04	4.60E-04
4848	562928.2	4235306	4.79E-03	8.13E-04	3.87E-03	6.33E-04	4.73E-04
4849	562936.6	4235310	4.92E-03	8.35E-04	3.97E-03	6.51E-04	4.86E-04
4850	562945.1	4235315	5.06E-03	8.58E-04	4.08E-03	6.69E-04	5.00E-04
4851	562953.5	4235320	5.20E-03	8.82E-04	4.20E-03	6.87E-04	5.13E-04
4852	562962	4235324	5.33E-03	9.05E-04	4.31E-03	7.06E-04	5.27E-04
4853	562970.4	4235329	5.47E-03	9.29E-04	4.42E-03	7.24E-04	5.41E-04
4854	562978.9	4235333	5.61E-03	9.52E-04	4.53E-03	7.42E-04	5.54E-04
4855	562987.3	4235338	5.75E-03	9.76E-04	4.64E-03	7.60E-04	5.68E-04
4856	562995.8	4235342	5.88E-03	9.98E-04	4.75E-03	7.78E-04	5.81E-04
4857	563004.2	4235347	6.01E-03	1.02E-03	4.85E-03	7.95E-04	5.94E-04
4858	563012.7	4235351	6.13E-03	1.04E-03	4.95E-03	8.11E-04	6.06E-04
4859	563021.1	4235356	6.25E-03	1.06E-03	5.05E-03	8.27E-04	6.17E-04
4860	563029.6	4235360	6.36E-03	1.08E-03	5.13E-03	8.40E-04	6.28E-04
4861	562826.4	4235293	3.16E-03	5.36E-04	2.55E-03	4.18E-04	3.12E-04
4862	562819.6	4235287	3.09E-03	5.24E-04	2.49E-03	4.08E-04	3.05E-04
4863	562812.8	4235280	3.01E-03	5.11E-04	2.43E-03	3.99E-04	2.98E-04
4864	562806.1	4235273	2.94E-03	4.99E-04	2.37E-03	3.89E-04	2.90E-04
4865	562799.3	4235266	2.87E-03	4.87E-04	2.32E-03	3.79E-04	2.83E-04
4866	562792.6	4235260	2.80E-03	4.74E-04	2.26E-03	3.70E-04	2.76E-04
4867	562785.8	4235253	2.73E-03	4.63E-04	2.20E-03	3.61E-04	2.69E-04
4868	562779	4235246	2.66E-03	4.51E-04	2.15E-03	3.52E-04	2.63E-04
4869	562772.3	4235239	2.59E-03	4.40E-04	2.09E-03	3.43E-04	2.56E-04
4870	562765.5	4235233	2.53E-03	4.29E-04	2.04E-03	3.34E-04	2.50E-04
4871	562758.7	4235226	2.47E-03	4.19E-04	1.99E-03	3.27E-04	2.44E-04
4872	562752	4235219	2.41E-03	4.09E-04	1.95E-03	3.19E-04	2.38E-04
4873	562745.2	4235212	2.36E-03	4.00E-04	1.90E-03	3.12E-04	2.33E-04
4874	562738.5	4235206	2.31E-03	3.91E-04	1.86E-03	3.05E-04	2.28E-04
4875	562731.7	4235199	2.26E-03	3.83E-04	1.82E-03	2.99E-04	2.23E-04
4876	562724.9	4235192	2.21E-03	3.75E-04	1.79E-03	2.93E-04	2.19E-04
4877	562718.2	4235185	2.17E-03	3.68E-04	1.75E-03	2.87E-04	2.14E-04
4878	562711.4	4235179	2.13E-03	3.61E-04	1.72E-03	2.82E-04	2.10E-04
4879	562704.6	4235172	2.09E-03	3.55E-04	1.69E-03	2.77E-04	2.07E-04
4880	562697.9	4235165	2.06E-03	3.49E-04	1.66E-03	2.72E-04	2.03E-04
4881	562691.1	4235158	2.02E-03	3.43E-04	1.63E-03	2.67E-04	2.00E-04
4882	562684.3	4235152	1.99E-03	3.38E-04	1.61E-03	2.63E-04	1.97E-04

4883	562677.6	4235145	1.96E-03	3.32E-04	1.58E-03	2.59E-04	1.93E-04
4884	562670.8	4235138	1.93E-03	3.27E-04	1.56E-03	2.55E-04	1.90E-04
4885	562664.1	4235131	1.90E-03	3.22E-04	1.53E-03	2.51E-04	1.88E-04
4886	562657.3	4235125	1.87E-03	3.18E-04	1.51E-03	2.48E-04	1.85E-04
4887	562650.5	4235118	1.85E-03	3.13E-04	1.49E-03	2.44E-04	1.82E-04
4888	562643.8	4235111	1.82E-03	3.09E-04	1.47E-03	2.41E-04	1.80E-04
4889	562637	4235104	1.80E-03	3.05E-04	1.45E-03	2.38E-04	1.77E-04
4890	562628.3	4235088	1.78E-03	3.02E-04	1.44E-03	2.35E-04	1.76E-04
4891	562626.4	4235079	1.79E-03	3.03E-04	1.44E-03	2.36E-04	1.76E-04
4892	562624.4	4235070	1.80E-03	3.05E-04	1.45E-03	2.38E-04	1.77E-04
4893	562622.5	4235060	1.81E-03	3.07E-04	1.46E-03	2.39E-04	1.79E-04
4894	562620.5	4235051	1.82E-03	3.10E-04	1.47E-03	2.41E-04	1.80E-04
4895	562618.6	4235041	1.84E-03	3.13E-04	1.49E-03	2.44E-04	1.82E-04
4896	562616.6	4235032	1.87E-03	3.17E-04	1.51E-03	2.47E-04	1.85E-04
4897	562614.7	4235023	1.90E-03	3.22E-04	1.53E-03	2.51E-04	1.87E-04
4898	562612.8	4235013	1.93E-03	3.28E-04	1.56E-03	2.56E-04	1.91E-04
4899	562610.8	4235004	1.97E-03	3.35E-04	1.59E-03	2.61E-04	1.95E-04
4900	562608.9	4234995	2.02E-03	3.43E-04	1.63E-03	2.67E-04	2.00E-04
4901	562606.9	4234985	2.08E-03	3.52E-04	1.68E-03	2.74E-04	2.05E-04
4902	562605	4234976	2.14E-03	3.63E-04	1.73E-03	2.83E-04	2.11E-04
4903	562603.1	4234967	2.21E-03	3.75E-04	1.78E-03	2.92E-04	2.18E-04
4904	562601.1	4234957	2.29E-03	3.88E-04	1.85E-03	3.02E-04	2.26E-04
4905	562599.2	4234948	2.37E-03	4.03E-04	1.92E-03	3.14E-04	2.35E-04
4906	562597.2	4234939	2.47E-03	4.20E-04	2.00E-03	3.27E-04	2.44E-04
4907	562595.3	4234929	2.58E-03	4.38E-04	2.08E-03	3.41E-04	2.55E-04
4908	562593.3	4234920	2.70E-03	4.58E-04	2.18E-03	3.57E-04	2.66E-04
4909	562591.4	4234910	2.83E-03	4.80E-04	2.28E-03	3.74E-04	2.79E-04
4910	562589.5	4234901	2.97E-03	5.04E-04	2.40E-03	3.93E-04	2.93E-04
4911	562587.5	4234892	3.12E-03	5.30E-04	2.52E-03	4.13E-04	3.08E-04
4912	562585.6	4234882	3.29E-03	5.58E-04	2.66E-03	4.35E-04	3.25E-04
4913	562583.6	4234873	3.47E-03	5.89E-04	2.80E-03	4.59E-04	3.43E-04
4914	562581.7	4234864	3.66E-03	6.21E-04	2.96E-03	4.84E-04	3.62E-04
4915	562579.8	4234854	3.87E-03	6.56E-04	3.12E-03	5.11E-04	3.82E-04
4916	562577.8	4234845	4.08E-03	6.92E-04	3.29E-03	5.39E-04	4.03E-04
4917	562575.9	4234836	4.25E-03	7.21E-04	3.43E-03	5.62E-04	4.20E-04
4918	562573.9	4234826	4.43E-03	7.52E-04	3.58E-03	5.86E-04	4.37E-04
4919	562833.1	4235300	3.23E-03	5.48E-04	2.61E-03	4.27E-04	3.19E-04
4920	562841.6	4235305	3.33E-03	5.65E-04	2.69E-03	4.40E-04	3.29E-04
4921	562850	4235309	3.43E-03	5.82E-04	2.77E-03	4.53E-04	3.39E-04
4922	562858.5	4235314	3.54E-03	6.01E-04	2.86E-03	4.68E-04	3.50E-04
4923	562866.9	4235318	3.67E-03	6.22E-04	2.96E-03	4.85E-04	3.62E-04
4924	562875.4	4235323	3.79E-03	6.43E-04	3.06E-03	5.01E-04	3.74E-04
4925	562883.8	4235327	3.92E-03	6.65E-04	3.16E-03	5.18E-04	3.87E-04
4926	562892.3	4235332	4.02E-03	6.83E-04	3.25E-03	5.32E-04	3.97E-04
4927	562900.7	4235337	4.13E-03	7.00E-04	3.33E-03	5.46E-04	4.08E-04
4928	562909.2	4235341	4.23E-03	7.19E-04	3.42E-03	5.60E-04	4.18E-04
4929	562917.6	4235346	4.34E-03	7.37E-04	3.51E-03	5.74E-04	4.29E-04
4930	562926.1	4235350	4.45E-03	7.56E-04	3.60E-03	5.89E-04	4.40E-04
4931	562934.6	4235355	4.56E-03	7.75E-04	3.69E-03	6.04E-04	4.51E-04
4932	562943	4235359	4.68E-03	7.94E-04	3.78E-03	6.19E-04	4.62E-04
4933	562951.5	4235364	4.79E-03	8.13E-04	3.87E-03	6.34E-04	4.73E-04
4934	562959.9	4235368	4.91E-03	8.33E-04	3.96E-03	6.49E-04	4.85E-04

4935	562968.4	4235373	5.02E-03	8.52E-04	4.05E-03	6.64E-04	4.96E-04
4936	562976.8	4235378	5.13E-03	8.71E-04	4.15E-03	6.79E-04	5.07E-04
4937	562985.3	4235382	5.25E-03	8.90E-04	4.24E-03	6.94E-04	5.18E-04
4938	562993.7	4235387	5.35E-03	9.08E-04	4.32E-03	7.08E-04	5.29E-04
4939	563002.2	4235391	5.46E-03	9.26E-04	4.41E-03	7.22E-04	5.39E-04
4940	563010.6	4235396	5.55E-03	9.42E-04	4.48E-03	7.34E-04	5.49E-04
4941	562807.5	4235329	2.88E-03	4.89E-04	2.33E-03	3.81E-04	2.85E-04
4942	562800.9	4235322	2.82E-03	4.79E-04	2.28E-03	3.73E-04	2.79E-04
4943	562794.3	4235316	2.76E-03	4.68E-04	2.23E-03	3.65E-04	2.72E-04
4944	562787.6	4235309	2.70E-03	4.58E-04	2.18E-03	3.57E-04	2.66E-04
4945	562781	4235302	2.63E-03	4.47E-04	2.13E-03	3.48E-04	2.60E-04
4946	562774.3	4235296	2.57E-03	4.37E-04	2.08E-03	3.40E-04	2.54E-04
4947	562767.7	4235289	2.51E-03	4.26E-04	2.03E-03	3.32E-04	2.48E-04
4948	562761.1	4235282	2.45E-03	4.16E-04	1.98E-03	3.24E-04	2.42E-04
4949	562754.4	4235276	2.39E-03	4.06E-04	1.93E-03	3.17E-04	2.37E-04
4950	562747.8	4235269	2.34E-03	3.97E-04	1.89E-03	3.09E-04	2.31E-04
4951	562741.1	4235262	2.29E-03	3.88E-04	1.85E-03	3.02E-04	2.26E-04
4952	562734.5	4235256	2.23E-03	3.79E-04	1.80E-03	2.95E-04	2.21E-04
4953	562727.9	4235249	2.19E-03	3.71E-04	1.77E-03	2.89E-04	2.16E-04
4954	562721.2	4235243	2.14E-03	3.63E-04	1.73E-03	2.83E-04	2.11E-04
4955	562714.6	4235236	2.10E-03	3.56E-04	1.69E-03	2.77E-04	2.07E-04
4956	562707.9	4235229	2.06E-03	3.49E-04	1.66E-03	2.72E-04	2.03E-04
4957	562701.3	4235223	2.02E-03	3.42E-04	1.63E-03	2.67E-04	1.99E-04
4958	562694.7	4235216	1.98E-03	3.36E-04	1.60E-03	2.62E-04	1.96E-04
4959	562688	4235209	1.95E-03	3.30E-04	1.57E-03	2.58E-04	1.92E-04
4960	562681.4	4235203	1.92E-03	3.25E-04	1.55E-03	2.53E-04	1.89E-04
4961	562674.7	4235196	1.89E-03	3.20E-04	1.52E-03	2.49E-04	1.86E-04
4962	562668.1	4235190	1.86E-03	3.15E-04	1.50E-03	2.45E-04	1.83E-04
4963	562661.5	4235183	1.83E-03	3.10E-04	1.48E-03	2.42E-04	1.81E-04
4964	562654.8	4235176	1.80E-03	3.06E-04	1.45E-03	2.38E-04	1.78E-04
4965	562648.2	4235170	1.78E-03	3.01E-04	1.43E-03	2.35E-04	1.75E-04
4966	562641.5	4235163	1.75E-03	2.97E-04	1.41E-03	2.32E-04	1.73E-04
4967	562634.9	4235156	1.73E-03	2.93E-04	1.39E-03	2.28E-04	1.71E-04
4968	562628.3	4235150	1.70E-03	2.89E-04	1.38E-03	2.25E-04	1.68E-04
4969	562621.6	4235143	1.68E-03	2.85E-04	1.36E-03	2.22E-04	1.66E-04
4970	562615	4235137	1.66E-03	2.81E-04	1.34E-03	2.19E-04	1.64E-04
4971	562608.3	4235130	1.64E-03	2.78E-04	1.32E-03	2.16E-04	1.62E-04
4972	562601.7	4235123	1.62E-03	2.74E-04	1.30E-03	2.14E-04	1.60E-04
4973	562593.1	4235107	1.60E-03	2.71E-04	1.29E-03	2.12E-04	1.58E-04
4974	562591.2	4235098	1.60E-03	2.72E-04	1.30E-03	2.12E-04	1.58E-04
4975	562589.3	4235089	1.61E-03	2.73E-04	1.30E-03	2.13E-04	1.59E-04
4976	562587.4	4235080	1.62E-03	2.75E-04	1.31E-03	2.14E-04	1.60E-04
4977	562585.5	4235071	1.63E-03	2.76E-04	1.32E-03	2.15E-04	1.61E-04
4978	562583.6	4235061	1.64E-03	2.79E-04	1.33E-03	2.17E-04	1.62E-04
4979	562581.7	4235052	1.66E-03	2.82E-04	1.34E-03	2.19E-04	1.64E-04
4980	562579.8	4235043	1.68E-03	2.85E-04	1.36E-03	2.22E-04	1.66E-04
4981	562577.9	4235034	1.70E-03	2.89E-04	1.38E-03	2.25E-04	1.68E-04
4982	562576	4235025	1.73E-03	2.94E-04	1.40E-03	2.29E-04	1.71E-04
4983	562574.1	4235016	1.77E-03	3.00E-04	1.43E-03	2.34E-04	1.74E-04
4984	562572.2	4235006	1.81E-03	3.06E-04	1.46E-03	2.39E-04	1.78E-04
4985	562570.3	4234997	1.85E-03	3.14E-04	1.49E-03	2.45E-04	1.83E-04
4986	562568.4	4234988	1.90E-03	3.23E-04	1.54E-03	2.51E-04	1.88E-04

4987	562566.5	4234979	1.96E-03	3.32E-04	1.58E-03	2.59E-04	1.93E-04
4988	562564.5	4234970	2.02E-03	3.43E-04	1.63E-03	2.68E-04	2.00E-04
4989	562562.6	4234960	2.09E-03	3.55E-04	1.69E-03	2.77E-04	2.07E-04
4990	562560.7	4234951	2.17E-03	3.69E-04	1.75E-03	2.87E-04	2.15E-04
4991	562558.8	4234942	2.26E-03	3.83E-04	1.82E-03	2.99E-04	2.23E-04
4992	562556.9	4234933	2.35E-03	3.99E-04	1.90E-03	3.11E-04	2.32E-04
4993	562555	4234924	2.46E-03	4.17E-04	1.98E-03	3.25E-04	2.43E-04
4994	562553.1	4234914	2.57E-03	4.36E-04	2.07E-03	3.40E-04	2.54E-04
4995	562551.2	4234905	2.69E-03	4.57E-04	2.17E-03	3.56E-04	2.66E-04
4996	562549.3	4234896	2.82E-03	4.79E-04	2.28E-03	3.73E-04	2.79E-04
4997	562547.4	4234887	2.96E-03	5.03E-04	2.39E-03	3.92E-04	2.93E-04
4998	562545.5	4234878	3.12E-03	5.29E-04	2.52E-03	4.12E-04	3.08E-04
4999	562543.6	4234869	3.27E-03	5.54E-04	2.64E-03	4.32E-04	3.23E-04
5000	562541.7	4234859	3.42E-03	5.81E-04	2.76E-03	4.52E-04	3.38E-04
5001	562539.8	4234850	3.58E-03	6.07E-04	2.89E-03	4.73E-04	3.53E-04
5002	562537.9	4234841	3.74E-03	6.34E-04	3.02E-03	4.94E-04	3.69E-04
5003	562536	4234832	3.91E-03	6.63E-04	3.15E-03	5.17E-04	3.86E-04
5004	562534	4234823	4.09E-03	6.94E-04	3.30E-03	5.41E-04	4.04E-04
5005	562814.2	4235335	2.94E-03	4.99E-04	2.38E-03	3.89E-04	2.91E-04
5006	562822.6	4235340	3.03E-03	5.13E-04	2.44E-03	4.00E-04	2.99E-04
5007	562831.1	4235344	3.11E-03	5.28E-04	2.51E-03	4.11E-04	3.07E-04
5008	562839.5	4235349	3.19E-03	5.42E-04	2.58E-03	4.22E-04	3.15E-04
5009	562848	4235354	3.28E-03	5.56E-04	2.64E-03	4.33E-04	3.24E-04
5010	562856.4	4235358	3.37E-03	5.71E-04	2.72E-03	4.45E-04	3.32E-04
5011	562864.9	4235363	3.47E-03	5.89E-04	2.80E-03	4.59E-04	3.43E-04
5012	562873.3	4235367	3.58E-03	6.07E-04	2.89E-03	4.73E-04	3.54E-04
5013	562881.8	4235372	3.69E-03	6.26E-04	2.98E-03	4.88E-04	3.64E-04
5014	562890.2	4235376	3.78E-03	6.41E-04	3.05E-03	5.00E-04	3.73E-04
5015	562898.7	4235381	3.87E-03	6.56E-04	3.12E-03	5.11E-04	3.82E-04
5016	562907.1	4235385	3.96E-03	6.72E-04	3.20E-03	5.23E-04	3.91E-04
5017	562915.6	4235390	4.05E-03	6.87E-04	3.27E-03	5.35E-04	4.00E-04
5018	562924	4235395	4.14E-03	7.03E-04	3.34E-03	5.48E-04	4.09E-04
5019	562932.5	4235399	4.24E-03	7.19E-04	3.42E-03	5.60E-04	4.18E-04
5020	562940.9	4235404	4.33E-03	7.35E-04	3.50E-03	5.73E-04	4.28E-04
5021	562949.4	4235408	4.43E-03	7.51E-04	3.58E-03	5.86E-04	4.37E-04
5022	562957.8	4235413	4.52E-03	7.68E-04	3.65E-03	5.98E-04	4.47E-04
5023	562966.3	4235417	4.62E-03	7.84E-04	3.73E-03	6.11E-04	4.56E-04
5024	562974.8	4235422	4.71E-03	8.00E-04	3.81E-03	6.23E-04	4.66E-04
5025	562983.2	4235426	4.81E-03	8.15E-04	3.88E-03	6.35E-04	4.75E-04
5026	562991.7	4235431	4.89E-03	8.30E-04	3.95E-03	6.47E-04	4.83E-04
5027	562788.5	4235364	2.64E-03	4.48E-04	2.13E-03	3.49E-04	2.61E-04
5028	562781.8	4235357	2.59E-03	4.39E-04	2.09E-03	3.42E-04	2.56E-04
5029	562775	4235350	2.53E-03	4.30E-04	2.05E-03	3.35E-04	2.50E-04
5030	562768.3	4235344	2.48E-03	4.20E-04	2.00E-03	3.28E-04	2.45E-04
5031	562761.6	4235337	2.42E-03	4.11E-04	1.96E-03	3.20E-04	2.39E-04
5032	562754.9	4235330	2.37E-03	4.02E-04	1.91E-03	3.13E-04	2.34E-04
5033	562748.1	4235324	2.31E-03	3.93E-04	1.87E-03	3.06E-04	2.28E-04
5034	562741.4	4235317	2.26E-03	3.83E-04	1.82E-03	2.99E-04	2.23E-04
5035	562734.7	4235310	2.21E-03	3.75E-04	1.78E-03	2.92E-04	2.18E-04
5036	562728	4235303	2.16E-03	3.66E-04	1.74E-03	2.85E-04	2.13E-04
5037	562721.2	4235297	2.11E-03	3.58E-04	1.70E-03	2.79E-04	2.08E-04
5038	562714.5	4235290	2.06E-03	3.50E-04	1.67E-03	2.73E-04	2.04E-04

5039	562707.8	4235283	2.02E-03	3.42E-04	1.63E-03	2.67E-04	1.99E-04
5040	562701.1	4235277	1.98E-03	3.35E-04	1.60E-03	2.61E-04	1.95E-04
5041	562694.3	4235270	1.94E-03	3.29E-04	1.56E-03	2.56E-04	1.91E-04
5042	562687.6	4235263	1.90E-03	3.22E-04	1.53E-03	2.51E-04	1.88E-04
5043	562680.9	4235256	1.86E-03	3.16E-04	1.51E-03	2.47E-04	1.84E-04
5044	562674.2	4235250	1.83E-03	3.11E-04	1.48E-03	2.42E-04	1.81E-04
5045	562667.5	4235243	1.80E-03	3.06E-04	1.45E-03	2.38E-04	1.78E-04
5046	562660.7	4235236	1.77E-03	3.01E-04	1.43E-03	2.34E-04	1.75E-04
5047	562654	4235230	1.75E-03	2.96E-04	1.41E-03	2.31E-04	1.72E-04
5048	562647.3	4235223	1.72E-03	2.92E-04	1.39E-03	2.27E-04	1.70E-04
5049	562640.6	4235216	1.69E-03	2.88E-04	1.37E-03	2.24E-04	1.67E-04
5050	562633.8	4235209	1.67E-03	2.83E-04	1.35E-03	2.21E-04	1.65E-04
5051	562627.1	4235203	1.65E-03	2.80E-04	1.33E-03	2.18E-04	1.63E-04
5052	562620.4	4235196	1.63E-03	2.76E-04	1.31E-03	2.15E-04	1.61E-04
5053	562613.7	4235189	1.60E-03	2.72E-04	1.30E-03	2.12E-04	1.58E-04
5054	562606.9	4235183	1.58E-03	2.69E-04	1.28E-03	2.09E-04	1.56E-04
5055	562600.2	4235176	1.56E-03	2.65E-04	1.26E-03	2.07E-04	1.54E-04
5056	562593.5	4235169	1.54E-03	2.62E-04	1.24E-03	2.04E-04	1.52E-04
5057	562586.8	4235162	1.52E-03	2.58E-04	1.23E-03	2.01E-04	1.50E-04
5058	562580	4235156	1.50E-03	2.55E-04	1.21E-03	1.99E-04	1.48E-04
5059	562573.3	4235149	1.48E-03	2.52E-04	1.20E-03	1.96E-04	1.46E-04
5060	562566.6	4235142	1.46E-03	2.48E-04	1.18E-03	1.94E-04	1.45E-04
5061	562557.9	4235126	1.45E-03	2.46E-04	1.17E-03	1.92E-04	1.43E-04
5062	562556	4235117	1.45E-03	2.46E-04	1.17E-03	1.92E-04	1.43E-04
5063	562554.1	4235108	1.46E-03	2.47E-04	1.18E-03	1.92E-04	1.44E-04
5064	562552.1	4235098	1.46E-03	2.48E-04	1.18E-03	1.93E-04	1.44E-04
5065	562550.2	4235089	1.47E-03	2.49E-04	1.19E-03	1.94E-04	1.45E-04
5066	562548.3	4235080	1.48E-03	2.51E-04	1.19E-03	1.95E-04	1.46E-04
5067	562546.3	4235070	1.49E-03	2.53E-04	1.20E-03	1.97E-04	1.47E-04
5068	562544.4	4235061	1.51E-03	2.55E-04	1.22E-03	1.99E-04	1.49E-04
5069	562542.5	4235052	1.52E-03	2.59E-04	1.23E-03	2.02E-04	1.51E-04
5070	562540.6	4235043	1.55E-03	2.62E-04	1.25E-03	2.04E-04	1.53E-04
5071	562538.6	4235033	1.57E-03	2.67E-04	1.27E-03	2.08E-04	1.55E-04
5072	562536.7	4235024	1.60E-03	2.72E-04	1.29E-03	2.12E-04	1.58E-04
5073	562534.8	4235015	1.64E-03	2.78E-04	1.32E-03	2.17E-04	1.62E-04
5074	562532.8	4235005	1.68E-03	2.85E-04	1.36E-03	2.22E-04	1.66E-04
5075	562530.9	4234996	1.72E-03	2.93E-04	1.39E-03	2.28E-04	1.70E-04
5076	562529	4234987	1.78E-03	3.01E-04	1.43E-03	2.35E-04	1.75E-04
5077	562527	4234977	1.83E-03	3.11E-04	1.48E-03	2.42E-04	1.81E-04
5078	562525.1	4234968	1.90E-03	3.22E-04	1.53E-03	2.51E-04	1.87E-04
5079	562523.2	4234959	1.97E-03	3.34E-04	1.59E-03	2.60E-04	1.94E-04
5080	562521.2	4234950	2.04E-03	3.47E-04	1.65E-03	2.70E-04	2.02E-04
5081	562519.3	4234940	2.13E-03	3.61E-04	1.72E-03	2.81E-04	2.10E-04
5082	562517.4	4234931	2.22E-03	3.76E-04	1.79E-03	2.93E-04	2.19E-04
5083	562515.5	4234922	2.31E-03	3.93E-04	1.87E-03	3.06E-04	2.29E-04
5084	562513.5	4234912	2.42E-03	4.11E-04	1.95E-03	3.20E-04	2.39E-04
5085	562511.6	4234903	2.53E-03	4.29E-04	2.04E-03	3.35E-04	2.50E-04
5086	562509.7	4234894	2.64E-03	4.48E-04	2.13E-03	3.49E-04	2.61E-04
5087	562507.7	4234884	2.75E-03	4.67E-04	2.22E-03	3.64E-04	2.72E-04
5088	562505.8	4234875	2.86E-03	4.86E-04	2.31E-03	3.79E-04	2.83E-04
5089	562503.9	4234866	2.99E-03	5.08E-04	2.42E-03	3.96E-04	2.95E-04
5090	562501.9	4234856	3.13E-03	5.31E-04	2.53E-03	4.14E-04	3.09E-04

5091	562500	4234847	3.28E-03	5.57E-04	2.65E-03	4.34E-04	3.24E-04
5092	562498.1	4234838	3.48E-03	5.91E-04	2.81E-03	4.61E-04	3.44E-04
5093	562496.1	4234829	3.70E-03	6.28E-04	2.99E-03	4.89E-04	3.66E-04
5094	562494.2	4234819	3.94E-03	6.68E-04	3.18E-03	5.21E-04	3.89E-04
5095	562795.2	4235371	2.69E-03	4.57E-04	2.18E-03	3.56E-04	2.66E-04
5096	562803.7	4235375	2.77E-03	4.69E-04	2.23E-03	3.66E-04	2.73E-04
5097	562812.1	4235380	2.84E-03	4.81E-04	2.29E-03	3.75E-04	2.80E-04
5098	562820.6	4235384	2.91E-03	4.93E-04	2.35E-03	3.84E-04	2.87E-04
5099	562829	4235389	2.98E-03	5.05E-04	2.40E-03	3.94E-04	2.94E-04
5100	562837.5	4235393	3.05E-03	5.17E-04	2.46E-03	4.03E-04	3.01E-04
5101	562845.9	4235398	3.12E-03	5.29E-04	2.52E-03	4.12E-04	3.08E-04
5102	562854.4	4235402	3.19E-03	5.41E-04	2.58E-03	4.22E-04	3.15E-04
5103	562862.8	4235407	3.28E-03	5.57E-04	2.65E-03	4.34E-04	3.24E-04
5104	562871.3	4235412	3.37E-03	5.72E-04	2.72E-03	4.46E-04	3.33E-04
5105	562879.7	4235416	3.46E-03	5.88E-04	2.80E-03	4.58E-04	3.42E-04
5106	562888.2	4235421	3.55E-03	6.02E-04	2.86E-03	4.69E-04	3.50E-04
5107	562896.6	4235425	3.62E-03	6.15E-04	2.93E-03	4.79E-04	3.58E-04
5108	562905.1	4235430	3.70E-03	6.28E-04	2.99E-03	4.89E-04	3.65E-04
5109	562913.5	4235434	3.78E-03	6.41E-04	3.05E-03	5.00E-04	3.73E-04
5110	562922	4235439	3.86E-03	6.55E-04	3.12E-03	5.10E-04	3.81E-04
5111	562930.4	4235443	3.94E-03	6.68E-04	3.18E-03	5.21E-04	3.89E-04
5112	562938.9	4235448	4.02E-03	6.82E-04	3.25E-03	5.32E-04	3.97E-04
5113	562947.3	4235453	4.10E-03	6.96E-04	3.31E-03	5.43E-04	4.05E-04
5114	562955.8	4235457	4.18E-03	7.10E-04	3.38E-03	5.53E-04	4.13E-04
5115	562964.2	4235462	4.26E-03	7.24E-04	3.44E-03	5.64E-04	4.21E-04
5116	562972.7	4235466	4.34E-03	7.37E-04	3.51E-03	5.74E-04	4.29E-04
5117	562769.6	4235399	2.43E-03	4.13E-04	1.97E-03	3.22E-04	2.40E-04
5118	562763	4235393	2.39E-03	4.05E-04	1.93E-03	3.16E-04	2.36E-04
5119	562756.4	4235386	2.34E-03	3.97E-04	1.89E-03	3.10E-04	2.31E-04
5120	562749.8	4235379	2.29E-03	3.89E-04	1.85E-03	3.03E-04	2.26E-04
5121	562743.2	4235373	2.25E-03	3.81E-04	1.81E-03	2.97E-04	2.22E-04
5122	562736.5	4235366	2.20E-03	3.73E-04	1.77E-03	2.91E-04	2.17E-04
5123	562729.9	4235360	2.15E-03	3.65E-04	1.74E-03	2.84E-04	2.12E-04
5124	562723.3	4235353	2.10E-03	3.57E-04	1.70E-03	2.78E-04	2.08E-04
5125	562716.7	4235346	2.06E-03	3.49E-04	1.66E-03	2.72E-04	2.03E-04
5126	562710	4235340	2.01E-03	3.41E-04	1.62E-03	2.66E-04	1.99E-04
5127	562703.4	4235333	1.97E-03	3.34E-04	1.59E-03	2.60E-04	1.94E-04
5128	562696.8	4235327	1.92E-03	3.27E-04	1.55E-03	2.55E-04	1.90E-04
5129	562690.2	4235320	1.88E-03	3.20E-04	1.52E-03	2.49E-04	1.86E-04
5130	562683.6	4235313	1.85E-03	3.13E-04	1.49E-03	2.44E-04	1.82E-04
5131	562676.9	4235307	1.81E-03	3.07E-04	1.46E-03	2.39E-04	1.79E-04
5132	562670.3	4235300	1.78E-03	3.01E-04	1.43E-03	2.35E-04	1.75E-04
5133	562663.7	4235293	1.74E-03	2.96E-04	1.41E-03	2.31E-04	1.72E-04
5134	562657.1	4235287	1.71E-03	2.91E-04	1.38E-03	2.27E-04	1.69E-04
5135	562650.5	4235280	1.69E-03	2.86E-04	1.36E-03	2.23E-04	1.66E-04
5136	562643.8	4235274	1.66E-03	2.82E-04	1.34E-03	2.19E-04	1.64E-04
5137	562637.2	4235267	1.63E-03	2.77E-04	1.32E-03	2.16E-04	1.61E-04
5138	562630.6	4235260	1.61E-03	2.73E-04	1.30E-03	2.13E-04	1.59E-04
5139	562624	4235254	1.59E-03	2.70E-04	1.28E-03	2.10E-04	1.57E-04
5140	562617.4	4235247	1.57E-03	2.66E-04	1.27E-03	2.07E-04	1.55E-04
5141	562610.7	4235241	1.55E-03	2.63E-04	1.25E-03	2.05E-04	1.53E-04
5142	562604.1	4235234	1.53E-03	2.59E-04	1.23E-03	2.02E-04	1.51E-04

5143	562597.5	4235227	1.51E-03	2.56E-04	1.22E-03	2.00E-04	1.49E-04
5144	562590.9	4235221	1.49E-03	2.53E-04	1.20E-03	1.97E-04	1.47E-04
5145	562584.3	4235214	1.47E-03	2.50E-04	1.19E-03	1.95E-04	1.45E-04
5146	562577.6	4235208	1.45E-03	2.47E-04	1.17E-03	1.92E-04	1.44E-04
5147	562571	4235201	1.44E-03	2.44E-04	1.16E-03	1.90E-04	1.42E-04
5148	562564.4	4235194	1.42E-03	2.41E-04	1.15E-03	1.88E-04	1.40E-04
5149	562557.8	4235188	1.40E-03	2.38E-04	1.13E-03	1.85E-04	1.38E-04
5150	562551.1	4235181	1.38E-03	2.35E-04	1.12E-03	1.83E-04	1.37E-04
5151	562544.5	4235174	1.37E-03	2.32E-04	1.10E-03	1.81E-04	1.35E-04
5152	562537.9	4235168	1.35E-03	2.29E-04	1.09E-03	1.79E-04	1.33E-04
5153	562531.3	4235161	1.33E-03	2.26E-04	1.08E-03	1.76E-04	1.32E-04
5154	562522.8	4235145	1.32E-03	2.24E-04	1.07E-03	1.74E-04	1.30E-04
5155	562520.9	4235136	1.32E-03	2.24E-04	1.07E-03	1.75E-04	1.30E-04
5156	562519	4235127	1.32E-03	2.25E-04	1.07E-03	1.75E-04	1.31E-04
5157	562517.1	4235118	1.33E-03	2.25E-04	1.07E-03	1.75E-04	1.31E-04
5158	562515.2	4235109	1.33E-03	2.26E-04	1.08E-03	1.76E-04	1.31E-04
5159	562513.3	4235100	1.34E-03	2.27E-04	1.08E-03	1.77E-04	1.32E-04
5160	562511.4	4235091	1.35E-03	2.28E-04	1.09E-03	1.78E-04	1.33E-04
5161	562509.5	4235081	1.36E-03	2.30E-04	1.10E-03	1.79E-04	1.34E-04
5162	562507.6	4235072	1.37E-03	2.32E-04	1.11E-03	1.81E-04	1.35E-04
5163	562505.7	4235063	1.39E-03	2.35E-04	1.12E-03	1.83E-04	1.37E-04
5164	562503.8	4235054	1.41E-03	2.38E-04	1.13E-03	1.86E-04	1.39E-04
5165	562501.9	4235045	1.43E-03	2.42E-04	1.15E-03	1.89E-04	1.41E-04
5166	562500	4235036	1.45E-03	2.47E-04	1.17E-03	1.92E-04	1.44E-04
5167	562498.1	4235026	1.48E-03	2.52E-04	1.20E-03	1.96E-04	1.47E-04
5168	562496.2	4235017	1.52E-03	2.58E-04	1.23E-03	2.01E-04	1.50E-04
5169	562494.3	4235008	1.56E-03	2.64E-04	1.26E-03	2.06E-04	1.54E-04
5170	562492.4	4234999	1.60E-03	2.71E-04	1.29E-03	2.11E-04	1.58E-04
5171	562490.5	4234990	1.65E-03	2.79E-04	1.33E-03	2.18E-04	1.63E-04
5172	562488.6	4234981	1.70E-03	2.88E-04	1.37E-03	2.25E-04	1.68E-04
5173	562486.7	4234971	1.76E-03	2.98E-04	1.42E-03	2.32E-04	1.73E-04
5174	562484.8	4234962	1.82E-03	3.09E-04	1.47E-03	2.41E-04	1.80E-04
5175	562482.8	4234953	1.89E-03	3.20E-04	1.52E-03	2.50E-04	1.86E-04
5176	562480.9	4234944	1.96E-03	3.33E-04	1.58E-03	2.59E-04	1.94E-04
5177	562479	4234935	2.04E-03	3.46E-04	1.65E-03	2.70E-04	2.01E-04
5178	562477.1	4234926	2.11E-03	3.59E-04	1.71E-03	2.80E-04	2.09E-04
5179	562475.2	4234916	2.19E-03	3.72E-04	1.77E-03	2.90E-04	2.16E-04
5180	562473.3	4234907	2.27E-03	3.85E-04	1.83E-03	3.00E-04	2.24E-04
5181	562471.4	4234898	2.36E-03	4.00E-04	1.90E-03	3.12E-04	2.33E-04
5182	562469.5	4234889	2.46E-03	4.17E-04	1.99E-03	3.25E-04	2.43E-04
5183	562467.6	4234880	2.57E-03	4.36E-04	2.08E-03	3.40E-04	2.54E-04
5184	562465.7	4234871	2.71E-03	4.60E-04	2.19E-03	3.58E-04	2.68E-04
5185	562463.8	4234861	2.87E-03	4.88E-04	2.32E-03	3.80E-04	2.84E-04
5186	562461.9	4234852	3.05E-03	5.18E-04	2.46E-03	4.03E-04	3.01E-04
5187	562460	4234843	3.22E-03	5.47E-04	2.60E-03	4.26E-04	3.18E-04
5188	562458.1	4234834	3.38E-03	5.73E-04	2.73E-03	4.47E-04	3.34E-04
5189	562456.2	4234825	3.54E-03	6.01E-04	2.86E-03	4.68E-04	3.50E-04
5190	562454.3	4234816	3.71E-03	6.29E-04	3.00E-03	4.91E-04	3.66E-04
5191	562776.3	4235406	2.48E-03	4.21E-04	2.00E-03	3.28E-04	2.45E-04
5192	562784.7	4235410	2.54E-03	4.31E-04	2.05E-03	3.36E-04	2.51E-04
5193	562793.2	4235415	2.60E-03	4.41E-04	2.10E-03	3.44E-04	2.57E-04
5194	562801.6	4235419	2.66E-03	4.52E-04	2.15E-03	3.52E-04	2.63E-04

5195	562810.1	4235424	2.72E-03	4.62E-04	2.20E-03	3.60E-04	2.69E-04
5196	562818.5	4235429	2.78E-03	4.72E-04	2.25E-03	3.68E-04	2.75E-04
5197	562827	4235433	2.84E-03	4.82E-04	2.29E-03	3.76E-04	2.81E-04
5198	562835.4	4235438	2.90E-03	4.92E-04	2.34E-03	3.84E-04	2.86E-04
5199	562843.9	4235442	2.96E-03	5.02E-04	2.39E-03	3.91E-04	2.92E-04
5200	562852.3	4235447	3.02E-03	5.12E-04	2.44E-03	3.99E-04	2.98E-04
5201	562860.8	4235451	3.09E-03	5.25E-04	2.50E-03	4.09E-04	3.05E-04
5202	562869.2	4235456	3.16E-03	5.37E-04	2.55E-03	4.18E-04	3.12E-04
5203	562877.7	4235460	3.23E-03	5.48E-04	2.61E-03	4.27E-04	3.19E-04
5204	562886.1	4235465	3.30E-03	5.59E-04	2.66E-03	4.36E-04	3.26E-04
5205	562894.6	4235470	3.37E-03	5.71E-04	2.72E-03	4.45E-04	3.32E-04
5206	562903	4235474	3.44E-03	5.84E-04	2.78E-03	4.55E-04	3.40E-04
5207	562911.5	4235479	3.53E-03	5.98E-04	2.85E-03	4.66E-04	3.48E-04
5208	562919.9	4235483	3.60E-03	6.11E-04	2.91E-03	4.76E-04	3.56E-04
5209	562928.4	4235488	3.67E-03	6.23E-04	2.96E-03	4.85E-04	3.63E-04
5210	562936.8	4235492	3.74E-03	6.35E-04	3.02E-03	4.95E-04	3.69E-04
5211	562945.3	4235497	3.81E-03	6.47E-04	3.08E-03	5.04E-04	3.76E-04
5212	562953.7	4235501	3.88E-03	6.58E-04	3.13E-03	5.13E-04	3.83E-04
5213	562750.6	4235434	2.25E-03	3.82E-04	1.82E-03	2.98E-04	2.22E-04
5214	562743.9	4235428	2.21E-03	3.75E-04	1.79E-03	2.92E-04	2.18E-04
5215	562737.2	4235421	2.17E-03	3.68E-04	1.75E-03	2.87E-04	2.14E-04
5216	562730.5	4235414	2.13E-03	3.61E-04	1.72E-03	2.81E-04	2.10E-04
5217	562723.8	4235408	2.08E-03	3.53E-04	1.68E-03	2.75E-04	2.06E-04
5218	562717.1	4235401	2.04E-03	3.46E-04	1.65E-03	2.70E-04	2.01E-04
5219	562710.4	4235394	2.00E-03	3.39E-04	1.61E-03	2.64E-04	1.97E-04
5220	562703.7	4235388	1.95E-03	3.31E-04	1.58E-03	2.58E-04	1.93E-04
5221	562697	4235381	1.91E-03	3.24E-04	1.54E-03	2.53E-04	1.89E-04
5222	562690.3	4235374	1.87E-03	3.17E-04	1.51E-03	2.47E-04	1.85E-04
5223	562683.6	4235368	1.83E-03	3.10E-04	1.48E-03	2.42E-04	1.81E-04
5224	562676.9	4235361	1.79E-03	3.04E-04	1.45E-03	2.37E-04	1.77E-04
5225	562670.3	4235354	1.75E-03	2.98E-04	1.42E-03	2.32E-04	1.73E-04
5226	562663.6	4235347	1.72E-03	2.92E-04	1.39E-03	2.27E-04	1.70E-04
5227	562656.9	4235341	1.68E-03	2.86E-04	1.36E-03	2.23E-04	1.66E-04
5228	562650.2	4235334	1.65E-03	2.81E-04	1.33E-03	2.19E-04	1.63E-04
5229	562643.5	4235327	1.62E-03	2.75E-04	1.31E-03	2.15E-04	1.60E-04
5230	562636.8	4235321	1.60E-03	2.71E-04	1.29E-03	2.11E-04	1.58E-04
5231	562630.1	4235314	1.57E-03	2.66E-04	1.27E-03	2.08E-04	1.55E-04
5232	562623.4	4235307	1.55E-03	2.62E-04	1.25E-03	2.04E-04	1.53E-04
5233	562616.7	4235301	1.52E-03	2.58E-04	1.23E-03	2.01E-04	1.50E-04
5234	562610	4235294	1.50E-03	2.55E-04	1.21E-03	1.99E-04	1.48E-04
5235	562603.3	4235287	1.48E-03	2.51E-04	1.20E-03	1.96E-04	1.46E-04
5236	562596.6	4235281	1.46E-03	2.48E-04	1.18E-03	1.93E-04	1.44E-04
5237	562589.9	4235274	1.44E-03	2.45E-04	1.17E-03	1.91E-04	1.43E-04
5238	562583.2	4235267	1.43E-03	2.42E-04	1.15E-03	1.89E-04	1.41E-04
5239	562576.5	4235261	1.40E-03	2.38E-04	1.13E-03	1.85E-04	1.38E-04
5240	562569.8	4235254	1.38E-03	2.34E-04	1.11E-03	1.82E-04	1.36E-04
5241	562563.1	4235247	1.36E-03	2.32E-04	1.10E-03	1.80E-04	1.35E-04
5242	562556.4	4235241	1.36E-03	2.30E-04	1.09E-03	1.79E-04	1.34E-04
5243	562549.7	4235234	1.34E-03	2.27E-04	1.08E-03	1.77E-04	1.32E-04
5244	562543	4235227	1.32E-03	2.24E-04	1.06E-03	1.74E-04	1.30E-04
5245	562536.3	4235220	1.30E-03	2.21E-04	1.05E-03	1.72E-04	1.29E-04
5246	562529.6	4235214	1.29E-03	2.19E-04	1.04E-03	1.71E-04	1.27E-04

5247	562523	4235207	1.28E-03	2.17E-04	1.03E-03	1.69E-04	1.27E-04
5248	562516.3	4235200	1.26E-03	2.14E-04	1.02E-03	1.66E-04	1.24E-04
5249	562509.6	4235194	1.24E-03	2.10E-04	1.00E-03	1.64E-04	1.22E-04
5250	562502.9	4235187	1.23E-03	2.08E-04	9.90E-04	1.62E-04	1.21E-04
5251	562496.2	4235180	1.22E-03	2.07E-04	9.83E-04	1.61E-04	1.20E-04
5252	562487.6	4235164	1.20E-03	2.04E-04	9.71E-04	1.59E-04	1.19E-04
5253	562485.6	4235155	1.21E-03	2.05E-04	9.73E-04	1.59E-04	1.19E-04
5254	562483.7	4235146	1.21E-03	2.05E-04	9.77E-04	1.60E-04	1.20E-04
5255	562481.8	4235137	1.21E-03	2.06E-04	9.79E-04	1.60E-04	1.20E-04
5256	562479.9	4235127	1.22E-03	2.06E-04	9.81E-04	1.61E-04	1.20E-04
5257	562477.9	4235118	1.22E-03	2.07E-04	9.85E-04	1.61E-04	1.20E-04
5258	562476	4235109	1.23E-03	2.08E-04	9.90E-04	1.62E-04	1.21E-04
5259	562474.1	4235100	1.23E-03	2.09E-04	9.96E-04	1.63E-04	1.22E-04
5260	562472.2	4235090	1.24E-03	2.11E-04	1.00E-03	1.65E-04	1.23E-04
5261	562470.3	4235081	1.26E-03	2.13E-04	1.01E-03	1.66E-04	1.24E-04
5262	562468.3	4235072	1.27E-03	2.16E-04	1.03E-03	1.68E-04	1.26E-04
5263	562466.4	4235062	1.29E-03	2.19E-04	1.04E-03	1.70E-04	1.27E-04
5264	562464.5	4235053	1.31E-03	2.22E-04	1.06E-03	1.73E-04	1.29E-04
5265	562462.6	4235044	1.33E-03	2.26E-04	1.08E-03	1.76E-04	1.32E-04
5266	562460.6	4235035	1.36E-03	2.31E-04	1.10E-03	1.80E-04	1.34E-04
5267	562458.7	4235025	1.39E-03	2.36E-04	1.12E-03	1.84E-04	1.38E-04
5268	562456.8	4235016	1.43E-03	2.42E-04	1.15E-03	1.89E-04	1.41E-04
5269	562454.9	4235007	1.47E-03	2.49E-04	1.18E-03	1.94E-04	1.45E-04
5270	562453	4234998	1.51E-03	2.56E-04	1.22E-03	2.00E-04	1.49E-04
5271	562451	4234988	1.56E-03	2.64E-04	1.26E-03	2.06E-04	1.54E-04
5272	562449.1	4234979	1.61E-03	2.73E-04	1.30E-03	2.13E-04	1.59E-04
5273	562447.2	4234970	1.67E-03	2.83E-04	1.34E-03	2.20E-04	1.64E-04
5274	562445.3	4234961	1.72E-03	2.92E-04	1.39E-03	2.27E-04	1.70E-04
5275	562443.3	4234951	1.77E-03	3.01E-04	1.43E-03	2.34E-04	1.75E-04
5276	562441.4	4234942	1.83E-03	3.10E-04	1.48E-03	2.42E-04	1.80E-04
5277	562439.5	4234933	1.89E-03	3.20E-04	1.52E-03	2.50E-04	1.86E-04
5278	562437.6	4234924	1.96E-03	3.33E-04	1.58E-03	2.59E-04	1.94E-04
5279	562435.7	4234914	2.04E-03	3.46E-04	1.65E-03	2.70E-04	2.02E-04
5280	562433.7	4234905	2.13E-03	3.62E-04	1.72E-03	2.82E-04	2.11E-04
5281	562431.8	4234896	2.26E-03	3.83E-04	1.82E-03	2.98E-04	2.23E-04
5282	562429.9	4234886	2.39E-03	4.05E-04	1.93E-03	3.16E-04	2.36E-04
5283	562428	4234877	2.52E-03	4.28E-04	2.04E-03	3.33E-04	2.49E-04
5284	562426	4234868	2.64E-03	4.48E-04	2.13E-03	3.49E-04	2.61E-04
5285	562424.1	4234859	2.77E-03	4.70E-04	2.23E-03	3.66E-04	2.73E-04
5286	562422.2	4234849	2.90E-03	4.92E-04	2.34E-03	3.84E-04	2.86E-04
5287	562420.3	4234840	3.04E-03	5.16E-04	2.45E-03	4.02E-04	3.00E-04
5288	562418.4	4234831	3.18E-03	5.40E-04	2.57E-03	4.21E-04	3.14E-04
5289	562416.4	4234822	3.33E-03	5.65E-04	2.69E-03	4.41E-04	3.29E-04
5290	562414.5	4234812	3.49E-03	5.92E-04	2.81E-03	4.61E-04	3.44E-04
5291	562757.3	4235441	2.29E-03	3.89E-04	1.85E-03	3.03E-04	2.26E-04
5292	562765.7	4235446	2.35E-03	3.98E-04	1.89E-03	3.10E-04	2.32E-04
5293	562774.2	4235450	2.40E-03	4.07E-04	1.94E-03	3.17E-04	2.37E-04
5294	562782.6	4235455	2.45E-03	4.16E-04	1.98E-03	3.24E-04	2.42E-04
5295	562791.1	4235459	2.50E-03	4.25E-04	2.02E-03	3.31E-04	2.47E-04
5296	562799.6	4235464	2.55E-03	4.33E-04	2.06E-03	3.38E-04	2.52E-04
5297	562808	4235468	2.60E-03	4.42E-04	2.10E-03	3.44E-04	2.57E-04
5298	562816.5	4235473	2.65E-03	4.50E-04	2.14E-03	3.51E-04	2.62E-04

5299	562824.9	4235477	2.70E-03	4.59E-04	2.18E-03	3.58E-04	2.67E-04
5300	562833.4	4235482	2.75E-03	4.67E-04	2.22E-03	3.64E-04	2.72E-04
5301	562841.8	4235487	2.81E-03	4.76E-04	2.27E-03	3.71E-04	2.77E-04
5302	562850.3	4235491	2.86E-03	4.85E-04	2.31E-03	3.78E-04	2.82E-04
5303	562858.7	4235496	2.91E-03	4.94E-04	2.35E-03	3.85E-04	2.87E-04
5304	562867.2	4235500	2.96E-03	5.03E-04	2.39E-03	3.92E-04	2.93E-04
5305	562875.6	4235505	3.02E-03	5.12E-04	2.44E-03	3.99E-04	2.98E-04
5306	562884.1	4235509	3.08E-03	5.22E-04	2.48E-03	4.07E-04	3.04E-04
5307	562892.5	4235514	3.15E-03	5.34E-04	2.54E-03	4.16E-04	3.11E-04
5308	562901	4235518	3.21E-03	5.45E-04	2.59E-03	4.25E-04	3.17E-04
5309	562909.4	4235523	3.27E-03	5.56E-04	2.64E-03	4.33E-04	3.23E-04
5310	562917.9	4235528	3.33E-03	5.65E-04	2.69E-03	4.40E-04	3.29E-04
5311	562926.3	4235532	3.38E-03	5.74E-04	2.73E-03	4.47E-04	3.34E-04
5312	562934.8	4235537	3.44E-03	5.83E-04	2.78E-03	4.55E-04	3.39E-04
5313	562731.6	4235470	2.09E-03	3.55E-04	1.69E-03	2.77E-04	2.07E-04
5314	562724.8	4235463	2.05E-03	3.49E-04	1.66E-03	2.72E-04	2.03E-04
5315	562718	4235456	2.02E-03	3.42E-04	1.63E-03	2.67E-04	1.99E-04
5316	562711.3	4235449	1.98E-03	3.36E-04	1.60E-03	2.62E-04	1.95E-04
5317	562704.5	4235443	1.94E-03	3.29E-04	1.57E-03	2.57E-04	1.92E-04
5318	562697.8	4235436	1.90E-03	3.23E-04	1.53E-03	2.51E-04	1.88E-04
5319	562691	4235429	1.86E-03	3.16E-04	1.50E-03	2.46E-04	1.84E-04
5320	562684.2	4235422	1.82E-03	3.09E-04	1.47E-03	2.41E-04	1.80E-04
5321	562677.5	4235416	1.78E-03	3.03E-04	1.44E-03	2.36E-04	1.76E-04
5322	562670.7	4235409	1.74E-03	2.95E-04	1.41E-03	2.30E-04	1.72E-04
5323	562663.9	4235402	1.70E-03	2.88E-04	1.37E-03	2.24E-04	1.68E-04
5324	562657.2	4235395	1.66E-03	2.82E-04	1.34E-03	2.20E-04	1.64E-04
5325	562650.4	4235388	1.63E-03	2.77E-04	1.32E-03	2.16E-04	1.61E-04
5326	562643.7	4235382	1.61E-03	2.72E-04	1.30E-03	2.12E-04	1.59E-04
5327	562636.9	4235375	1.57E-03	2.66E-04	1.26E-03	2.07E-04	1.55E-04
5328	562630.1	4235368	1.53E-03	2.60E-04	1.24E-03	2.03E-04	1.52E-04
5329	562623.4	4235361	1.51E-03	2.56E-04	1.22E-03	2.00E-04	1.49E-04
5330	562616.6	4235355	1.49E-03	2.53E-04	1.20E-03	1.97E-04	1.47E-04
5331	562609.8	4235348	1.46E-03	2.48E-04	1.18E-03	1.93E-04	1.44E-04
5332	562603.1	4235341	1.42E-03	2.42E-04	1.15E-03	1.88E-04	1.41E-04
5333	562596.3	4235334	1.39E-03	2.36E-04	1.12E-03	1.84E-04	1.37E-04
5334	562589.5	4235328	1.36E-03	2.31E-04	1.10E-03	1.80E-04	1.34E-04
5335	562582.8	4235321	1.34E-03	2.28E-04	1.08E-03	1.78E-04	1.33E-04
5336	562576	4235314	1.33E-03	2.26E-04	1.08E-03	1.76E-04	1.32E-04
5337	562569.3	4235307	1.32E-03	2.24E-04	1.06E-03	1.74E-04	1.30E-04
5338	562562.5	4235301	1.30E-03	2.20E-04	1.05E-03	1.72E-04	1.28E-04
5339	562555.7	4235294	1.28E-03	2.16E-04	1.03E-03	1.69E-04	1.26E-04
5340	562549	4235287	1.26E-03	2.14E-04	1.02E-03	1.66E-04	1.24E-04
5341	562542.2	4235280	1.24E-03	2.11E-04	1.01E-03	1.65E-04	1.23E-04
5342	562535.4	4235274	1.23E-03	2.09E-04	9.94E-04	1.63E-04	1.22E-04
5343	562528.7	4235267	1.22E-03	2.07E-04	9.84E-04	1.61E-04	1.20E-04
5344	562521.9	4235260	1.21E-03	2.05E-04	9.75E-04	1.60E-04	1.19E-04
5345	562515.2	4235253	1.20E-03	2.03E-04	9.68E-04	1.59E-04	1.18E-04
5346	562508.4	4235247	1.19E-03	2.01E-04	9.58E-04	1.57E-04	1.17E-04
5347	562501.6	4235240	1.17E-03	1.98E-04	9.44E-04	1.55E-04	1.15E-04
5348	562494.9	4235233	1.15E-03	1.95E-04	9.30E-04	1.52E-04	1.14E-04
5349	562488.1	4235226	1.14E-03	1.94E-04	9.23E-04	1.51E-04	1.13E-04
5350	562481.3	4235220	1.13E-03	1.92E-04	9.14E-04	1.50E-04	1.12E-04

5351	562474.6	4235213	1.12E-03	1.90E-04	9.02E-04	1.48E-04	1.10E-04
5352	562467.8	4235206	1.10E-03	1.86E-04	8.87E-04	1.45E-04	1.08E-04
5353	562461	4235199	1.09E-03	1.85E-04	8.78E-04	1.44E-04	1.07E-04
5354	562452.3	4235183	1.08E-03	1.82E-04	8.68E-04	1.42E-04	1.06E-04
5355	562450.4	4235174	1.07E-03	1.82E-04	8.67E-04	1.42E-04	1.06E-04
5356	562448.5	4235165	1.08E-03	1.83E-04	8.72E-04	1.43E-04	1.07E-04
5357	562446.5	4235155	1.09E-03	1.84E-04	8.76E-04	1.44E-04	1.07E-04
5358	562444.6	4235146	1.09E-03	1.85E-04	8.80E-04	1.44E-04	1.08E-04
5359	562442.6	4235137	1.09E-03	1.85E-04	8.81E-04	1.44E-04	1.08E-04
5360	562440.7	4235127	1.09E-03	1.85E-04	8.82E-04	1.44E-04	1.08E-04
5361	562438.8	4235118	1.10E-03	1.86E-04	8.85E-04	1.45E-04	1.08E-04
5362	562436.8	4235108	1.10E-03	1.87E-04	8.89E-04	1.46E-04	1.09E-04
5363	562434.9	4235099	1.11E-03	1.88E-04	8.95E-04	1.47E-04	1.09E-04
5364	562432.9	4235090	1.12E-03	1.90E-04	9.03E-04	1.48E-04	1.10E-04
5365	562431	4235080	1.14E-03	1.93E-04	9.20E-04	1.51E-04	1.13E-04
5366	562429	4235071	1.17E-03	1.98E-04	9.41E-04	1.54E-04	1.15E-04
5367	562427.1	4235062	1.19E-03	2.02E-04	9.64E-04	1.58E-04	1.18E-04
5368	562425.2	4235052	1.22E-03	2.07E-04	9.84E-04	1.61E-04	1.20E-04
5369	562423.2	4235043	1.24E-03	2.11E-04	1.00E-03	1.64E-04	1.23E-04
5370	562421.3	4235034	1.27E-03	2.15E-04	1.02E-03	1.68E-04	1.25E-04
5371	562419.3	4235024	1.30E-03	2.20E-04	1.05E-03	1.71E-04	1.28E-04
5372	562417.4	4235015	1.33E-03	2.25E-04	1.07E-03	1.76E-04	1.31E-04
5373	562415.5	4235006	1.36E-03	2.32E-04	1.10E-03	1.80E-04	1.35E-04
5374	562413.5	4234996	1.40E-03	2.38E-04	1.13E-03	1.86E-04	1.39E-04
5375	562411.6	4234987	1.46E-03	2.47E-04	1.18E-03	1.93E-04	1.44E-04
5376	562409.6	4234977	1.52E-03	2.57E-04	1.23E-03	2.01E-04	1.50E-04
5377	562407.7	4234968	1.58E-03	2.69E-04	1.28E-03	2.09E-04	1.56E-04
5378	562405.7	4234959	1.64E-03	2.79E-04	1.33E-03	2.17E-04	1.62E-04
5379	562403.8	4234949	1.71E-03	2.90E-04	1.38E-03	2.26E-04	1.69E-04
5380	562401.9	4234940	1.78E-03	3.02E-04	1.43E-03	2.35E-04	1.76E-04
5381	562399.9	4234931	1.85E-03	3.14E-04	1.49E-03	2.45E-04	1.83E-04
5382	562398	4234921	1.93E-03	3.27E-04	1.56E-03	2.55E-04	1.90E-04
5383	562396	4234912	2.01E-03	3.41E-04	1.62E-03	2.66E-04	1.99E-04
5384	562394.1	4234903	2.10E-03	3.56E-04	1.69E-03	2.78E-04	2.07E-04
5385	562392.2	4234893	2.19E-03	3.72E-04	1.77E-03	2.90E-04	2.17E-04
5386	562390.2	4234884	2.29E-03	3.89E-04	1.85E-03	3.03E-04	2.26E-04
5387	562388.3	4234875	2.40E-03	4.07E-04	1.94E-03	3.17E-04	2.37E-04
5388	562386.3	4234865	2.51E-03	4.26E-04	2.03E-03	3.32E-04	2.48E-04
5389	562384.4	4234856	2.62E-03	4.45E-04	2.12E-03	3.47E-04	2.59E-04
5390	562382.4	4234846	2.75E-03	4.66E-04	2.22E-03	3.63E-04	2.71E-04
5391	562380.5	4234837	2.87E-03	4.88E-04	2.32E-03	3.80E-04	2.84E-04
5392	562378.6	4234828	3.01E-03	5.10E-04	2.43E-03	3.98E-04	2.97E-04
5393	562376.6	4234818	3.14E-03	5.34E-04	2.54E-03	4.16E-04	3.11E-04
5394	562374.7	4234809	3.29E-03	5.58E-04	2.65E-03	4.35E-04	3.24E-04
5395	562738.3	4235476	2.13E-03	3.61E-04	1.72E-03	2.81E-04	2.10E-04
5396	562746.8	4235481	2.17E-03	3.69E-04	1.75E-03	2.87E-04	2.15E-04
5397	562755.2	4235485	2.22E-03	3.77E-04	1.79E-03	2.94E-04	2.19E-04
5398	562763.7	4235490	2.27E-03	3.84E-04	1.83E-03	3.00E-04	2.24E-04
5399	562772.1	4235494	2.31E-03	3.92E-04	1.87E-03	3.05E-04	2.28E-04
5400	562780.6	4235499	2.35E-03	3.99E-04	1.90E-03	3.11E-04	2.32E-04
5401	562789	4235504	2.40E-03	4.07E-04	1.94E-03	3.17E-04	2.37E-04
5402	562797.5	4235508	2.44E-03	4.14E-04	1.97E-03	3.23E-04	2.41E-04

5403	562805.9	4235513	2.48E-03	4.21E-04	2.01E-03	3.28E-04	2.45E-04
5404	562814.4	4235517	2.53E-03	4.29E-04	2.04E-03	3.34E-04	2.50E-04
5405	562822.8	4235522	2.57E-03	4.36E-04	2.07E-03	3.40E-04	2.54E-04
5406	562831.3	4235526	2.61E-03	4.43E-04	2.11E-03	3.46E-04	2.58E-04
5407	562839.8	4235531	2.66E-03	4.51E-04	2.15E-03	3.52E-04	2.63E-04
5408	562848.2	4235535	2.70E-03	4.59E-04	2.18E-03	3.58E-04	2.67E-04
5409	562856.7	4235540	2.75E-03	4.67E-04	2.22E-03	3.64E-04	2.72E-04
5410	562865.1	4235545	2.80E-03	4.75E-04	2.26E-03	3.70E-04	2.76E-04
5411	562873.6	4235549	2.85E-03	4.83E-04	2.30E-03	3.77E-04	2.81E-04
5412	562882	4235554	2.90E-03	4.92E-04	2.34E-03	3.83E-04	2.86E-04
5413	562890.5	4235558	2.95E-03	5.01E-04	2.38E-03	3.90E-04	2.91E-04
5414	562898.9	4235563	3.00E-03	5.10E-04	2.42E-03	3.97E-04	2.97E-04
5415	562907.4	4235567	3.06E-03	5.19E-04	2.47E-03	4.04E-04	3.02E-04
5416	562915.8	4235572	3.11E-03	5.28E-04	2.51E-03	4.11E-04	3.07E-04
5417	563257	4234972	3.87E-02	6.56E-03	3.12E-02	5.11E-03	3.82E-03
5418	563263.1	4234980	3.46E-02	5.87E-03	2.79E-02	4.57E-03	3.42E-03
5419	563246.5	4234984	3.96E-02	6.72E-03	3.20E-02	5.23E-03	3.91E-03
5420	563271.2	4234975	3.27E-02	5.56E-03	2.64E-02	4.33E-03	3.23E-03
5421	563269.3	4234988	3.11E-02	5.27E-03	2.51E-02	4.11E-03	3.07E-03
5422	563260.6	4234991	3.30E-02	5.60E-03	2.67E-02	4.37E-03	3.26E-03
5423	563247.3	4234994	3.66E-02	6.21E-03	2.95E-02	4.84E-03	3.61E-03
5424	563238	4234992	4.02E-02	6.82E-03	3.25E-02	5.32E-03	3.97E-03
5425	563275.6	4234995	2.81E-02	4.76E-03	2.27E-02	3.71E-03	2.77E-03
5426	563266.6	4234999	2.98E-02	5.06E-03	2.41E-02	3.94E-03	2.95E-03
5427	563257.5	4235003	3.15E-02	5.35E-03	2.55E-02	4.17E-03	3.11E-03
5428	563248.1	4235004	3.39E-02	5.75E-03	2.74E-02	4.48E-03	3.35E-03
5429	563238.5	4235002	3.72E-02	6.30E-03	3.00E-02	4.91E-03	3.67E-03
5430	563284.2	4234990	2.66E-02	4.52E-03	2.15E-02	3.52E-03	2.63E-03
5431	563282	4235003	2.55E-02	4.33E-03	2.06E-02	3.37E-03	2.52E-03
5432	563272.7	4235007	2.71E-02	4.59E-03	2.19E-02	3.58E-03	2.67E-03
5433	563263.4	4235011	2.86E-02	4.86E-03	2.31E-02	3.78E-03	2.83E-03
5434	563249.1	4235014	3.14E-02	5.34E-03	2.54E-02	4.16E-03	3.11E-03
5435	563239.1	4235012	3.43E-02	5.83E-03	2.77E-02	4.54E-03	3.39E-03
5436	563229.1	4235010	3.73E-02	6.34E-03	3.02E-02	4.94E-03	3.69E-03
5437	563288.4	4235011	2.33E-02	3.95E-03	1.88E-02	3.08E-03	2.30E-03
5438	563278.9	4235015	2.47E-02	4.19E-03	1.99E-02	3.26E-03	2.44E-03
5439	563269.4	4235019	2.61E-02	4.42E-03	2.10E-02	3.45E-03	2.57E-03
5440	563259.9	4235023	2.74E-02	4.65E-03	2.21E-02	3.62E-03	2.71E-03
5441	563250.1	4235024	2.92E-02	4.96E-03	2.36E-02	3.86E-03	2.88E-03
5442	563239.9	4235022	3.18E-02	5.39E-03	2.57E-02	4.20E-03	3.14E-03
5443	563229.7	4235020	3.45E-02	5.85E-03	2.78E-02	4.56E-03	3.41E-03
5444	563297.2	4235005	2.21E-02	3.76E-03	1.79E-02	2.93E-03	2.19E-03
5445	563294.9	4235018	2.13E-02	3.62E-03	1.72E-02	2.82E-03	2.11E-03
5446	563285.2	4235022	2.26E-02	3.83E-03	1.82E-02	2.99E-03	2.23E-03
5447	563275.5	4235027	2.38E-02	4.04E-03	1.92E-02	3.15E-03	2.35E-03
5448	563265.9	4235031	2.50E-02	4.25E-03	2.02E-02	3.31E-03	2.47E-03
5449	563251	4235034	2.72E-02	4.62E-03	2.20E-02	3.60E-03	2.69E-03
5450	563240.7	4235032	2.95E-02	5.01E-03	2.38E-02	3.90E-03	2.92E-03
5451	563230.4	4235030	3.19E-02	5.42E-03	2.58E-02	4.22E-03	3.15E-03
5452	563220	4235028	3.44E-02	5.84E-03	2.78E-02	4.55E-03	3.40E-03
5453	563303.7	4235013	2.03E-02	3.45E-03	1.64E-02	2.69E-03	2.01E-03
5454	563301.8	4235026	1.96E-02	3.32E-03	1.58E-02	2.59E-03	1.93E-03

5455	563292.9	4235030	2.06E-02	3.49E-03	1.66E-02	2.72E-03	2.03E-03
5456	563284	4235033	2.16E-02	3.67E-03	1.74E-02	2.86E-03	2.13E-03
5457	563275.1	4235037	2.26E-02	3.84E-03	1.83E-02	2.99E-03	2.23E-03
5458	563266.2	4235041	2.36E-02	4.00E-03	1.91E-02	3.12E-03	2.33E-03
5459	563252.5	4235044	2.54E-02	4.31E-03	2.05E-02	3.36E-03	2.51E-03
5460	563243	4235042	2.72E-02	4.62E-03	2.20E-02	3.60E-03	2.69E-03
5461	563233.5	4235040	2.92E-02	4.95E-03	2.36E-02	3.86E-03	2.88E-03
5462	563224	4235038	3.12E-02	5.29E-03	2.52E-02	4.12E-03	3.08E-03
5463	563214.5	4235037	3.31E-02	5.62E-03	2.68E-02	4.38E-03	3.27E-03
5464	563308.2	4235033	1.81E-02	3.07E-03	1.46E-02	2.39E-03	1.78E-03
5465	563299.1	4235037	1.90E-02	3.22E-03	1.53E-02	2.51E-03	1.88E-03
5466	563290.1	4235041	1.99E-02	3.38E-03	1.61E-02	2.63E-03	1.97E-03
5467	563281	4235045	2.08E-02	3.54E-03	1.68E-02	2.76E-03	2.06E-03
5468	563272	4235049	2.17E-02	3.69E-03	1.75E-02	2.87E-03	2.15E-03
5469	563262.9	4235053	2.26E-02	3.83E-03	1.82E-02	2.99E-03	2.23E-03
5470	563253.5	4235054	2.38E-02	4.04E-03	1.92E-02	3.15E-03	2.35E-03
5471	563243.8	4235052	2.55E-02	4.32E-03	2.06E-02	3.37E-03	2.52E-03
5472	563234.1	4235050	2.73E-02	4.63E-03	2.20E-02	3.61E-03	2.69E-03
5473	563224.4	4235048	2.91E-02	4.93E-03	2.35E-02	3.84E-03	2.87E-03
5474	563214.8	4235046	3.08E-02	5.23E-03	2.49E-02	4.08E-03	3.05E-03
5475	563316.8	4235028	1.73E-02	2.94E-03	1.40E-02	2.29E-03	1.71E-03
5476	563321.1	4235049	1.56E-02	2.64E-03	1.26E-02	2.06E-03	1.54E-03
5477	563311.8	4235053	1.63E-02	2.77E-03	1.32E-02	2.16E-03	1.61E-03
5478	563302.5	4235057	1.71E-02	2.90E-03	1.38E-02	2.26E-03	1.69E-03
5479	563293.1	4235061	1.78E-02	3.03E-03	1.44E-02	2.36E-03	1.76E-03
5480	563283.8	4235065	1.86E-02	3.16E-03	1.50E-02	2.46E-03	1.84E-03
5481	563274.5	4235069	1.93E-02	3.28E-03	1.56E-02	2.56E-03	1.91E-03
5482	563265.2	4235073	2.00E-02	3.40E-03	1.62E-02	2.65E-03	1.98E-03
5483	563255.5	4235074	2.11E-02	3.58E-03	1.70E-02	2.79E-03	2.08E-03
5484	563245.6	4235072	2.25E-02	3.82E-03	1.82E-02	2.98E-03	2.22E-03
5485	563235.6	4235070	2.40E-02	4.07E-03	1.94E-02	3.17E-03	2.37E-03
5486	563225.6	4235068	2.54E-02	4.32E-03	2.05E-02	3.37E-03	2.51E-03
5487	563215.7	4235066	2.69E-02	4.56E-03	2.17E-02	3.55E-03	2.65E-03
5488	563205.7	4235064	2.83E-02	4.79E-03	2.28E-02	3.74E-03	2.79E-03
5489	563329.8	4235043	1.49E-02	2.53E-03	1.21E-02	1.98E-03	1.48E-03
5490	563334	4235064	1.35E-02	2.30E-03	1.09E-02	1.79E-03	1.34E-03
5491	563324.5	4235068	1.42E-02	2.41E-03	1.14E-02	1.87E-03	1.40E-03
5492	563315	4235072	1.48E-02	2.51E-03	1.20E-02	1.96E-03	1.46E-03
5493	563305.5	4235076	1.54E-02	2.62E-03	1.25E-02	2.04E-03	1.52E-03
5494	563296	4235080	1.61E-02	2.73E-03	1.30E-02	2.13E-03	1.59E-03
5495	563286.5	4235084	1.67E-02	2.83E-03	1.35E-02	2.21E-03	1.65E-03
5496	563276.9	4235088	1.73E-02	2.94E-03	1.40E-02	2.29E-03	1.71E-03
5497	563267.4	4235093	1.79E-02	3.04E-03	1.44E-02	2.37E-03	1.77E-03
5498	563257.6	4235094	1.88E-02	3.18E-03	1.51E-02	2.48E-03	1.85E-03
5499	563247.4	4235092	2.00E-02	3.39E-03	1.61E-02	2.64E-03	1.97E-03
5500	563237.2	4235090	2.12E-02	3.60E-03	1.71E-02	2.81E-03	2.10E-03
5501	563227	4235088	2.25E-02	3.81E-03	1.81E-02	2.97E-03	2.22E-03
5502	563216.9	4235086	2.36E-02	4.01E-03	1.91E-02	3.13E-03	2.33E-03
5503	563206.7	4235084	2.48E-02	4.20E-03	2.00E-02	3.28E-03	2.45E-03
5504	563196.5	4235082	2.58E-02	4.38E-03	2.08E-02	3.41E-03	2.55E-03
5505	563342.8	4235058	1.30E-02	2.21E-03	1.05E-02	1.72E-03	1.29E-03
5506	563347	4235079	1.19E-02	2.02E-03	9.62E-03	1.58E-03	1.18E-03

5507	563337.3	4235083	1.24E-02	2.11E-03	1.00E-02	1.65E-03	1.23E-03
5508	563327.6	4235087	1.30E-02	2.20E-03	1.05E-02	1.71E-03	1.28E-03
5509	563318	4235092	1.35E-02	2.29E-03	1.09E-02	1.78E-03	1.33E-03
5510	563308.3	4235096	1.40E-02	2.38E-03	1.13E-02	1.85E-03	1.38E-03
5511	563298.6	4235100	1.45E-02	2.47E-03	1.17E-02	1.92E-03	1.44E-03
5512	563289	4235104	1.51E-02	2.56E-03	1.22E-02	1.99E-03	1.49E-03
5513	563279.3	4235108	1.56E-02	2.64E-03	1.26E-02	2.06E-03	1.54E-03
5514	563269.6	4235112	1.61E-02	2.73E-03	1.30E-02	2.13E-03	1.59E-03
5515	563259.6	4235114	1.68E-02	2.85E-03	1.36E-02	2.22E-03	1.66E-03
5516	563249.3	4235111	1.78E-02	3.02E-03	1.44E-02	2.36E-03	1.76E-03
5517	563239	4235109	1.89E-02	3.20E-03	1.52E-02	2.50E-03	1.86E-03
5518	563228.6	4235107	1.99E-02	3.38E-03	1.61E-02	2.63E-03	1.97E-03
5519	563218.3	4235105	2.09E-02	3.55E-03	1.69E-02	2.77E-03	2.07E-03
5520	563208	4235103	2.19E-02	3.72E-03	1.77E-02	2.90E-03	2.16E-03
5521	563197.6	4235101	2.28E-02	3.87E-03	1.84E-02	3.01E-03	2.25E-03
5522	563187.3	4235099	2.36E-02	4.00E-03	1.90E-02	3.12E-03	2.33E-03
5523	563360.2	4235094	1.06E-02	1.79E-03	8.53E-03	1.40E-03	1.04E-03
5524	563350.9	4235098	1.10E-02	1.86E-03	8.87E-03	1.45E-03	1.08E-03
5525	563341.5	4235102	1.14E-02	1.93E-03	9.21E-03	1.51E-03	1.13E-03
5526	563332.2	4235106	1.18E-02	2.01E-03	9.55E-03	1.56E-03	1.17E-03
5527	563322.9	4235110	1.22E-02	2.08E-03	9.89E-03	1.62E-03	1.21E-03
5528	563313.6	4235114	1.27E-02	2.15E-03	1.02E-02	1.68E-03	1.25E-03
5529	563304.3	4235118	1.31E-02	2.22E-03	1.06E-02	1.73E-03	1.29E-03
5530	563294.9	4235122	1.35E-02	2.29E-03	1.09E-02	1.79E-03	1.33E-03
5531	563285.6	4235126	1.39E-02	2.36E-03	1.12E-02	1.84E-03	1.38E-03
5532	563276.3	4235130	1.43E-02	2.43E-03	1.16E-02	1.90E-03	1.42E-03
5533	563262	4235133	1.51E-02	2.56E-03	1.22E-02	2.00E-03	1.49E-03
5534	563252	4235131	1.59E-02	2.71E-03	1.29E-02	2.11E-03	1.57E-03
5535	563242	4235130	1.68E-02	2.85E-03	1.36E-02	2.22E-03	1.66E-03
5536	563232.1	4235128	1.77E-02	3.00E-03	1.43E-02	2.33E-03	1.74E-03
5537	563222.1	4235126	1.85E-02	3.14E-03	1.49E-02	2.45E-03	1.83E-03
5538	563212.1	4235124	1.93E-02	3.28E-03	1.56E-02	2.55E-03	1.91E-03
5539	563202.2	4235122	2.00E-02	3.40E-03	1.62E-02	2.65E-03	1.98E-03
5540	563192.2	4235120	2.07E-02	3.51E-03	1.67E-02	2.74E-03	2.05E-03
5541	563182.2	4235118	2.13E-02	3.61E-03	1.72E-02	2.81E-03	2.10E-03
5542	563172.3	4235116	2.16E-02	3.67E-03	1.75E-02	2.86E-03	2.14E-03
5543	563373.1	4235109	9.44E-03	1.60E-03	7.62E-03	1.25E-03	9.32E-04
5544	563363.7	4235113	9.80E-03	1.66E-03	7.91E-03	1.30E-03	9.68E-04
5545	563354.2	4235117	1.02E-02	1.72E-03	8.20E-03	1.34E-03	1.00E-03
5546	563344.8	4235122	1.05E-02	1.78E-03	8.49E-03	1.39E-03	1.04E-03
5547	563335.3	4235126	1.09E-02	1.85E-03	8.78E-03	1.44E-03	1.07E-03
5548	563325.9	4235130	1.12E-02	1.91E-03	9.07E-03	1.49E-03	1.11E-03
5549	563316.4	4235134	1.16E-02	1.97E-03	9.36E-03	1.53E-03	1.15E-03
5550	563306.9	4235138	1.20E-02	2.03E-03	9.66E-03	1.58E-03	1.18E-03
5551	563297.5	4235142	1.23E-02	2.09E-03	9.95E-03	1.63E-03	1.22E-03
5552	563288	4235146	1.27E-02	2.15E-03	1.02E-02	1.68E-03	1.25E-03
5553	563278.6	4235150	1.30E-02	2.21E-03	1.05E-02	1.72E-03	1.28E-03
5554	563264.1	4235153	1.37E-02	2.32E-03	1.11E-02	1.81E-03	1.35E-03
5555	563253.9	4235151	1.44E-02	2.45E-03	1.16E-02	1.91E-03	1.42E-03
5556	563243.8	4235149	1.52E-02	2.57E-03	1.22E-02	2.01E-03	1.50E-03
5557	563233.7	4235147	1.59E-02	2.70E-03	1.28E-02	2.10E-03	1.57E-03
5558	563223.6	4235145	1.66E-02	2.82E-03	1.34E-02	2.20E-03	1.64E-03

5559	563213.5	4235143	1.73E-02	2.94E-03	1.40E-02	2.29E-03	1.71E-03
5560	563203.4	4235141	1.80E-02	3.05E-03	1.45E-02	2.37E-03	1.77E-03
5561	563193.3	4235139	1.85E-02	3.14E-03	1.49E-02	2.45E-03	1.83E-03
5562	563183.2	4235137	1.89E-02	3.21E-03	1.53E-02	2.51E-03	1.87E-03
5563	563173	4235136	1.93E-02	3.28E-03	1.56E-02	2.55E-03	1.91E-03
5564	563162.9	4235134	1.95E-02	3.32E-03	1.58E-02	2.58E-03	1.93E-03
5565	563386.1	4235124	8.50E-03	1.44E-03	6.86E-03	1.12E-03	8.39E-04
5566	563376.5	4235129	8.80E-03	1.49E-03	7.11E-03	1.16E-03	8.70E-04
5567	563367	4235133	9.10E-03	1.54E-03	7.35E-03	1.20E-03	8.99E-04
5568	563357.4	4235137	9.40E-03	1.59E-03	7.59E-03	1.24E-03	9.28E-04
5569	563347.8	4235141	9.70E-03	1.65E-03	7.83E-03	1.28E-03	9.58E-04
5570	563338.3	4235145	1.00E-02	1.70E-03	8.07E-03	1.32E-03	9.87E-04
5571	563328.7	4235149	1.03E-02	1.75E-03	8.33E-03	1.36E-03	1.02E-03
5572	563319.1	4235153	1.06E-02	1.81E-03	8.59E-03	1.41E-03	1.05E-03
5573	563309.5	4235158	1.10E-02	1.86E-03	8.85E-03	1.45E-03	1.08E-03
5574	563300	4235162	1.13E-02	1.91E-03	9.10E-03	1.49E-03	1.11E-03
5575	563290.4	4235166	1.16E-02	1.96E-03	9.34E-03	1.53E-03	1.14E-03
5576	563280.8	4235170	1.19E-02	2.01E-03	9.58E-03	1.57E-03	1.17E-03
5577	563266.1	4235173	1.25E-02	2.12E-03	1.01E-02	1.65E-03	1.23E-03
5578	563255.9	4235171	1.31E-02	2.23E-03	1.06E-02	1.73E-03	1.30E-03
5579	563245.7	4235169	1.38E-02	2.34E-03	1.11E-02	1.82E-03	1.36E-03
5580	563235.4	4235167	1.44E-02	2.44E-03	1.16E-02	1.90E-03	1.42E-03
5581	563225.2	4235165	1.50E-02	2.55E-03	1.21E-02	1.99E-03	1.48E-03
5582	563215	4235163	1.56E-02	2.65E-03	1.26E-02	2.06E-03	1.54E-03
5583	563204.7	4235161	1.62E-02	2.74E-03	1.30E-02	2.14E-03	1.60E-03
5584	563194.5	4235159	1.66E-02	2.82E-03	1.34E-02	2.20E-03	1.64E-03
5585	563184.3	4235157	1.70E-02	2.89E-03	1.38E-02	2.25E-03	1.68E-03
5586	563174	4235155	1.74E-02	2.95E-03	1.40E-02	2.30E-03	1.72E-03
5587	563163.8	4235153	1.76E-02	2.99E-03	1.42E-02	2.33E-03	1.74E-03
5588	563153.6	4235151	1.77E-02	3.01E-03	1.43E-02	2.35E-03	1.75E-03
5589	563399.1	4235140	7.67E-03	1.30E-03	6.20E-03	1.01E-03	7.58E-04
5590	563389.4	4235144	7.93E-03	1.35E-03	6.40E-03	1.05E-03	7.83E-04
5591	563379.7	4235148	8.19E-03	1.39E-03	6.61E-03	1.08E-03	8.09E-04
5592	563370.1	4235152	8.45E-03	1.43E-03	6.82E-03	1.12E-03	8.35E-04
5593	563360.4	4235156	8.72E-03	1.48E-03	7.04E-03	1.15E-03	8.61E-04
5594	563350.7	4235161	8.98E-03	1.52E-03	7.25E-03	1.19E-03	8.87E-04
5595	563341.1	4235165	9.25E-03	1.57E-03	7.47E-03	1.22E-03	9.13E-04
5596	563331.4	4235169	9.52E-03	1.61E-03	7.68E-03	1.26E-03	9.40E-04
5597	563321.7	4235173	9.79E-03	1.66E-03	7.91E-03	1.29E-03	9.67E-04
5598	563312.1	4235177	1.01E-02	1.71E-03	8.12E-03	1.33E-03	9.94E-04
5599	563302.4	4235182	1.03E-02	1.75E-03	8.34E-03	1.37E-03	1.02E-03
5600	563292.7	4235186	1.06E-02	1.80E-03	8.56E-03	1.40E-03	1.05E-03
5601	563283.1	4235190	1.09E-02	1.84E-03	8.76E-03	1.44E-03	1.07E-03
5602	563268.2	4235193	1.14E-02	1.93E-03	9.19E-03	1.51E-03	1.12E-03
5603	563257.9	4235191	1.20E-02	2.03E-03	9.65E-03	1.58E-03	1.18E-03
5604	563247.6	4235189	1.25E-02	2.13E-03	1.01E-02	1.66E-03	1.24E-03
5605	563237.2	4235187	1.31E-02	2.22E-03	1.06E-02	1.73E-03	1.29E-03
5606	563226.9	4235185	1.36E-02	2.31E-03	1.10E-02	1.80E-03	1.35E-03
5607	563216.6	4235183	1.41E-02	2.40E-03	1.14E-02	1.87E-03	1.40E-03
5608	563206.2	4235181	1.46E-02	2.48E-03	1.18E-02	1.93E-03	1.44E-03
5609	563195.9	4235179	1.51E-02	2.56E-03	1.22E-02	1.99E-03	1.49E-03
5610	563185.5	4235177	1.54E-02	2.62E-03	1.25E-02	2.04E-03	1.53E-03

5611	563175.2	4235175	1.58E-02	2.67E-03	1.27E-02	2.08E-03	1.56E-03
5612	563164.9	4235173	1.60E-02	2.71E-03	1.29E-02	2.11E-03	1.58E-03
5613	563154.5	4235171	1.61E-02	2.73E-03	1.30E-02	2.13E-03	1.59E-03
5614	563144.2	4235169	1.62E-02	2.74E-03	1.30E-02	2.14E-03	1.59E-03
5615	563407.9	4235134	7.46E-03	1.27E-03	6.02E-03	9.86E-04	7.37E-04
5616	563412.2	4235155	6.95E-03	1.18E-03	5.62E-03	9.20E-04	6.87E-04
5617	563402.8	4235159	7.17E-03	1.22E-03	5.79E-03	9.48E-04	7.08E-04
5618	563393.4	4235163	7.38E-03	1.25E-03	5.96E-03	9.76E-04	7.29E-04
5619	563384	4235167	7.61E-03	1.29E-03	6.14E-03	1.01E-03	7.51E-04
5620	563374.5	4235171	7.84E-03	1.33E-03	6.33E-03	1.04E-03	7.74E-04
5621	563365.1	4235175	8.07E-03	1.37E-03	6.52E-03	1.07E-03	7.97E-04
5622	563355.7	4235179	8.29E-03	1.41E-03	6.70E-03	1.10E-03	8.19E-04
5623	563346.3	4235183	8.51E-03	1.44E-03	6.87E-03	1.13E-03	8.40E-04
5624	563336.8	4235187	8.73E-03	1.48E-03	7.05E-03	1.15E-03	8.62E-04
5625	563327.4	4235192	8.95E-03	1.52E-03	7.23E-03	1.18E-03	8.84E-04
5626	563318	4235196	9.17E-03	1.56E-03	7.41E-03	1.21E-03	9.06E-04
5627	563308.6	4235200	9.40E-03	1.60E-03	7.59E-03	1.24E-03	9.29E-04
5628	563299.1	4235204	9.63E-03	1.63E-03	7.78E-03	1.27E-03	9.51E-04
5629	563289.7	4235208	9.86E-03	1.67E-03	7.96E-03	1.30E-03	9.73E-04
5630	563280.3	4235212	1.01E-02	1.71E-03	8.14E-03	1.33E-03	9.96E-04
5631	563270.5	4235213	1.04E-02	1.77E-03	8.42E-03	1.38E-03	1.03E-03
5632	563260.4	4235211	1.09E-02	1.85E-03	8.81E-03	1.44E-03	1.08E-03
5633	563250.4	4235209	1.14E-02	1.93E-03	9.20E-03	1.51E-03	1.13E-03
5634	563240.3	4235207	1.19E-02	2.01E-03	9.59E-03	1.57E-03	1.17E-03
5635	563230.2	4235205	1.23E-02	2.10E-03	9.97E-03	1.63E-03	1.22E-03
5636	563220.1	4235203	1.28E-02	2.17E-03	1.03E-02	1.69E-03	1.26E-03
5637	563210	4235201	1.32E-02	2.25E-03	1.07E-02	1.75E-03	1.31E-03
5638	563200	4235199	1.36E-02	2.31E-03	1.10E-02	1.80E-03	1.35E-03
5639	563189.9	4235197	1.40E-02	2.37E-03	1.13E-02	1.85E-03	1.38E-03
5640	563179.8	4235195	1.43E-02	2.42E-03	1.15E-02	1.89E-03	1.41E-03
5641	563169.7	4235193	1.45E-02	2.46E-03	1.17E-02	1.92E-03	1.43E-03
5642	563159.7	4235191	1.47E-02	2.49E-03	1.18E-02	1.94E-03	1.45E-03
5643	563149.6	4235189	1.48E-02	2.50E-03	1.19E-02	1.95E-03	1.46E-03
5644	563139.5	4235187	1.48E-02	2.50E-03	1.19E-02	1.95E-03	1.46E-03
5645	563421	4235149	6.78E-03	1.15E-03	5.48E-03	8.97E-04	6.70E-04
5646	563425.2	4235170	6.33E-03	1.07E-03	5.11E-03	8.38E-04	6.26E-04
5647	563415.7	4235174	6.52E-03	1.11E-03	5.27E-03	8.62E-04	6.44E-04
5648	563406.2	4235178	6.71E-03	1.14E-03	5.41E-03	8.87E-04	6.62E-04
5649	563396.7	4235182	6.89E-03	1.17E-03	5.56E-03	9.11E-04	6.80E-04
5650	563387.1	4235186	7.09E-03	1.20E-03	5.72E-03	9.37E-04	7.00E-04
5651	563377.6	4235191	7.29E-03	1.24E-03	5.89E-03	9.64E-04	7.20E-04
5652	563368.1	4235195	7.49E-03	1.27E-03	6.05E-03	9.91E-04	7.40E-04
5653	563358.6	4235199	7.69E-03	1.30E-03	6.21E-03	1.02E-03	7.59E-04
5654	563349.1	4235203	7.88E-03	1.34E-03	6.36E-03	1.04E-03	7.78E-04
5655	563339.6	4235207	8.07E-03	1.37E-03	6.52E-03	1.07E-03	7.97E-04
5656	563330.1	4235211	8.27E-03	1.40E-03	6.67E-03	1.09E-03	8.16E-04
5657	563320.5	4235215	8.47E-03	1.44E-03	6.84E-03	1.12E-03	8.36E-04
5658	563311	4235219	8.67E-03	1.47E-03	7.00E-03	1.15E-03	8.56E-04
5659	563301.5	4235224	8.88E-03	1.51E-03	7.17E-03	1.17E-03	8.77E-04
5660	563292	4235228	9.09E-03	1.54E-03	7.34E-03	1.20E-03	8.98E-04
5661	563282.5	4235232	9.31E-03	1.58E-03	7.51E-03	1.23E-03	9.19E-04
5662	563272.6	4235233	9.63E-03	1.63E-03	7.78E-03	1.27E-03	9.51E-04

5663	563262.5	4235231	1.01E-02	1.71E-03	8.12E-03	1.33E-03	9.93E-04
5664	563252.3	4235229	1.05E-02	1.78E-03	8.47E-03	1.39E-03	1.04E-03
5665	563242.1	4235227	1.09E-02	1.85E-03	8.81E-03	1.44E-03	1.08E-03
5666	563231.9	4235225	1.13E-02	1.92E-03	9.15E-03	1.50E-03	1.12E-03
5667	563221.7	4235223	1.17E-02	1.99E-03	9.48E-03	1.55E-03	1.16E-03
5668	563211.6	4235221	1.21E-02	2.06E-03	9.79E-03	1.60E-03	1.20E-03
5669	563201.4	4235219	1.25E-02	2.12E-03	1.01E-02	1.65E-03	1.23E-03
5670	563191.2	4235217	1.28E-02	2.17E-03	1.03E-02	1.69E-03	1.26E-03
5671	563181	4235215	1.31E-02	2.22E-03	1.06E-02	1.73E-03	1.29E-03
5672	563170.9	4235213	1.33E-02	2.25E-03	1.07E-02	1.76E-03	1.31E-03
5673	563160.7	4235211	1.34E-02	2.28E-03	1.09E-02	1.78E-03	1.33E-03
5674	563150.5	4235209	1.35E-02	2.30E-03	1.09E-02	1.79E-03	1.34E-03
5675	563140.3	4235207	1.36E-02	2.30E-03	1.09E-02	1.79E-03	1.34E-03
5676	563130.2	4235205	1.35E-02	2.29E-03	1.09E-02	1.79E-03	1.33E-03
5677	563434	4235164	6.18E-03	1.05E-03	4.99E-03	8.18E-04	6.11E-04
5678	563438.2	4235185	5.79E-03	9.83E-04	4.68E-03	7.66E-04	5.72E-04
5679	563428.6	4235189	5.96E-03	1.01E-03	4.81E-03	7.88E-04	5.88E-04
5680	563419	4235193	6.12E-03	1.04E-03	4.94E-03	8.09E-04	6.04E-04
5681	563409.4	4235198	6.28E-03	1.07E-03	5.07E-03	8.30E-04	6.20E-04
5682	563399.8	4235202	6.44E-03	1.09E-03	5.20E-03	8.51E-04	6.36E-04
5683	563390.2	4235206	6.60E-03	1.12E-03	5.33E-03	8.73E-04	6.52E-04
5684	563380.6	4235210	6.79E-03	1.15E-03	5.48E-03	8.98E-04	6.70E-04
5685	563371	4235214	6.97E-03	1.18E-03	5.63E-03	9.22E-04	6.88E-04
5686	563361.4	4235218	7.14E-03	1.21E-03	5.77E-03	9.45E-04	7.06E-04
5687	563351.8	4235223	7.31E-03	1.24E-03	5.90E-03	9.67E-04	7.22E-04
5688	563342.2	4235227	7.48E-03	1.27E-03	6.04E-03	9.90E-04	7.39E-04
5689	563332.6	4235231	7.66E-03	1.30E-03	6.18E-03	1.01E-03	7.56E-04
5690	563323	4235235	7.84E-03	1.33E-03	6.33E-03	1.04E-03	7.74E-04
5691	563313.4	4235239	8.02E-03	1.36E-03	6.48E-03	1.06E-03	7.93E-04
5692	563303.9	4235243	8.22E-03	1.39E-03	6.63E-03	1.09E-03	8.11E-04
5693	563294.3	4235247	8.42E-03	1.43E-03	6.80E-03	1.11E-03	8.31E-04
5694	563284.7	4235252	8.60E-03	1.46E-03	6.95E-03	1.14E-03	8.50E-04
5695	563274.7	4235253	8.89E-03	1.51E-03	7.18E-03	1.18E-03	8.78E-04
5696	563264.5	4235251	9.27E-03	1.57E-03	7.49E-03	1.23E-03	9.16E-04
5697	563254.2	4235249	9.66E-03	1.64E-03	7.80E-03	1.28E-03	9.54E-04
5698	563243.9	4235247	1.00E-02	1.70E-03	8.11E-03	1.33E-03	9.92E-04
5699	563233.7	4235245	1.04E-02	1.77E-03	8.42E-03	1.38E-03	1.03E-03
5700	563223.4	4235243	1.08E-02	1.83E-03	8.72E-03	1.43E-03	1.07E-03
5701	563213.2	4235241	1.11E-02	1.89E-03	9.00E-03	1.47E-03	1.10E-03
5702	563202.9	4235239	1.15E-02	1.95E-03	9.26E-03	1.52E-03	1.13E-03
5703	563192.6	4235237	1.18E-02	2.00E-03	9.50E-03	1.56E-03	1.16E-03
5704	563182.4	4235235	1.20E-02	2.04E-03	9.70E-03	1.59E-03	1.19E-03
5705	563172.1	4235233	1.22E-02	2.07E-03	9.86E-03	1.62E-03	1.21E-03
5706	563161.9	4235231	1.24E-02	2.10E-03	9.98E-03	1.64E-03	1.22E-03
5707	563151.6	4235229	1.25E-02	2.11E-03	1.01E-02	1.65E-03	1.23E-03
5708	563141.3	4235227	1.25E-02	2.11E-03	1.01E-02	1.65E-03	1.23E-03
5709	563131.1	4235225	1.24E-02	2.11E-03	1.00E-02	1.64E-03	1.23E-03
5710	563120.8	4235223	1.23E-02	2.09E-03	9.93E-03	1.63E-03	1.21E-03
5711	563447	4235180	5.66E-03	9.61E-04	4.57E-03	7.49E-04	5.59E-04
5712	563464.3	4235216	4.90E-03	8.31E-04	3.96E-03	6.48E-04	4.84E-04
5713	563454.8	4235220	5.02E-03	8.53E-04	4.06E-03	6.64E-04	4.96E-04
5714	563445.3	4235224	5.15E-03	8.74E-04	4.16E-03	6.81E-04	5.08E-04

5715	563435.9	4235228	5.27E-03	8.94E-04	4.26E-03	6.97E-04	5.21E-04
5716	563426.4	4235232	5.39E-03	9.15E-04	4.35E-03	7.13E-04	5.32E-04
5717	563416.9	4235236	5.52E-03	9.37E-04	4.46E-03	7.30E-04	5.45E-04
5718	563407.4	4235240	5.66E-03	9.61E-04	4.57E-03	7.49E-04	5.59E-04
5719	563397.9	4235244	5.80E-03	9.84E-04	4.68E-03	7.67E-04	5.73E-04
5720	563388.5	4235248	5.92E-03	1.01E-03	4.78E-03	7.83E-04	5.85E-04
5721	563379	4235252	6.05E-03	1.03E-03	4.88E-03	8.00E-04	5.97E-04
5722	563369.5	4235257	6.17E-03	1.05E-03	4.99E-03	8.17E-04	6.10E-04
5723	563360	4235261	6.31E-03	1.07E-03	5.09E-03	8.34E-04	6.23E-04
5724	563350.5	4235265	6.44E-03	1.09E-03	5.20E-03	8.52E-04	6.36E-04
5725	563341.1	4235269	6.58E-03	1.12E-03	5.32E-03	8.71E-04	6.50E-04
5726	563331.6	4235273	6.74E-03	1.14E-03	5.44E-03	8.91E-04	6.65E-04
5727	563322.1	4235277	6.90E-03	1.17E-03	5.57E-03	9.12E-04	6.81E-04
5728	563312.6	4235281	7.05E-03	1.20E-03	5.70E-03	9.33E-04	6.97E-04
5729	563303.1	4235285	7.21E-03	1.22E-03	5.82E-03	9.53E-04	7.12E-04
5730	563293.6	4235289	7.36E-03	1.25E-03	5.94E-03	9.73E-04	7.27E-04
5731	563279.1	4235292	7.67E-03	1.30E-03	6.19E-03	1.01E-03	7.57E-04
5732	563269	4235291	7.97E-03	1.35E-03	6.44E-03	1.05E-03	7.87E-04
5733	563258.8	4235289	8.27E-03	1.40E-03	6.68E-03	1.09E-03	8.17E-04
5734	563248.7	4235287	8.57E-03	1.45E-03	6.92E-03	1.13E-03	8.47E-04
5735	563238.5	4235285	8.87E-03	1.50E-03	7.16E-03	1.17E-03	8.76E-04
5736	563228.4	4235283	9.15E-03	1.55E-03	7.39E-03	1.21E-03	9.04E-04
5737	563218.3	4235281	9.43E-03	1.60E-03	7.61E-03	1.25E-03	9.31E-04
5738	563208.1	4235279	9.68E-03	1.64E-03	7.82E-03	1.28E-03	9.56E-04
5739	563198	4235277	9.91E-03	1.68E-03	8.00E-03	1.31E-03	9.79E-04
5740	563187.8	4235275	1.01E-02	1.72E-03	8.17E-03	1.34E-03	9.99E-04
5741	563177.7	4235273	1.03E-02	1.75E-03	8.31E-03	1.36E-03	1.02E-03
5742	563167.6	4235271	1.04E-02	1.77E-03	8.43E-03	1.38E-03	1.03E-03
5743	563157.4	4235269	1.05E-02	1.79E-03	8.51E-03	1.39E-03	1.04E-03
5744	563147.3	4235267	1.06E-02	1.80E-03	8.56E-03	1.40E-03	1.05E-03
5745	563137.1	4235265	1.06E-02	1.80E-03	8.58E-03	1.41E-03	1.05E-03
5746	563127	4235263	1.06E-02	1.80E-03	8.56E-03	1.40E-03	1.05E-03
5747	563116.9	4235261	1.05E-02	1.79E-03	8.50E-03	1.39E-03	1.04E-03
5748	563106.7	4235259	1.04E-02	1.77E-03	8.41E-03	1.38E-03	1.03E-03
5749	563096.6	4235257	1.03E-02	1.74E-03	8.28E-03	1.36E-03	1.01E-03
5750	563490.3	4235246	4.22E-03	7.16E-04	3.40E-03	5.58E-04	4.16E-04
5751	563480.7	4235250	4.32E-03	7.34E-04	3.49E-03	5.72E-04	4.27E-04
5752	563471.1	4235254	4.43E-03	7.52E-04	3.58E-03	5.86E-04	4.38E-04
5753	563461.5	4235258	4.53E-03	7.69E-04	3.66E-03	6.00E-04	4.48E-04
5754	563451.8	4235263	4.64E-03	7.87E-04	3.74E-03	6.13E-04	4.58E-04
5755	563442.2	4235267	4.74E-03	8.04E-04	3.83E-03	6.27E-04	4.68E-04
5756	563432.6	4235271	4.84E-03	8.21E-04	3.91E-03	6.40E-04	4.78E-04
5757	563423	4235275	4.94E-03	8.38E-04	3.99E-03	6.53E-04	4.88E-04
5758	563413.4	4235279	5.04E-03	8.55E-04	4.07E-03	6.66E-04	4.97E-04
5759	563403.8	4235283	5.14E-03	8.72E-04	4.15E-03	6.80E-04	5.07E-04
5760	563394.2	4235287	5.24E-03	8.90E-04	4.23E-03	6.93E-04	5.18E-04
5761	563384.6	4235292	5.35E-03	9.08E-04	4.32E-03	7.07E-04	5.28E-04
5762	563375	4235296	5.46E-03	9.26E-04	4.41E-03	7.22E-04	5.39E-04
5763	563365.3	4235300	5.58E-03	9.47E-04	4.51E-03	7.38E-04	5.51E-04
5764	563355.7	4235304	5.70E-03	9.67E-04	4.60E-03	7.54E-04	5.63E-04
5765	563346.1	4235308	5.82E-03	9.88E-04	4.70E-03	7.70E-04	5.75E-04
5766	563336.5	4235312	5.94E-03	1.01E-03	4.80E-03	7.86E-04	5.87E-04

5767	563326.9	4235317	6.07E-03	1.03E-03	4.90E-03	8.02E-04	5.99E-04
5768	563317.3	4235321	6.19E-03	1.05E-03	5.00E-03	8.19E-04	6.12E-04
5769	563307.7	4235325	6.32E-03	1.07E-03	5.10E-03	8.35E-04	6.24E-04
5770	563298.1	4235329	6.44E-03	1.09E-03	5.20E-03	8.52E-04	6.36E-04
5771	563283.3	4235332	6.68E-03	1.13E-03	5.39E-03	8.83E-04	6.60E-04
5772	563273	4235330	6.93E-03	1.18E-03	5.59E-03	9.16E-04	6.84E-04
5773	563262.8	4235328	7.19E-03	1.22E-03	5.80E-03	9.50E-04	7.10E-04
5774	563252.5	4235326	7.45E-03	1.26E-03	6.02E-03	9.85E-04	7.36E-04
5775	563242.2	4235324	7.71E-03	1.31E-03	6.22E-03	1.02E-03	7.61E-04
5776	563231.9	4235322	7.94E-03	1.35E-03	6.41E-03	1.05E-03	7.85E-04
5777	563221.7	4235320	8.17E-03	1.39E-03	6.60E-03	1.08E-03	8.07E-04
5778	563211.4	4235318	8.38E-03	1.42E-03	6.77E-03	1.11E-03	8.28E-04
5779	563201.1	4235316	8.58E-03	1.46E-03	6.93E-03	1.13E-03	8.47E-04
5780	563190.8	4235314	8.76E-03	1.49E-03	7.07E-03	1.16E-03	8.65E-04
5781	563180.5	4235312	8.91E-03	1.51E-03	7.20E-03	1.18E-03	8.80E-04
5782	563170.3	4235310	9.04E-03	1.53E-03	7.30E-03	1.20E-03	8.93E-04
5783	563160	4235308	9.14E-03	1.55E-03	7.38E-03	1.21E-03	9.03E-04
5784	563149.7	4235306	9.21E-03	1.56E-03	7.44E-03	1.22E-03	9.10E-04
5785	563139.4	4235304	9.25E-03	1.57E-03	7.47E-03	1.22E-03	9.13E-04
5786	563129.2	4235302	9.25E-03	1.57E-03	7.47E-03	1.22E-03	9.14E-04
5787	563118.9	4235300	9.22E-03	1.56E-03	7.44E-03	1.22E-03	9.11E-04
5788	563108.6	4235298	9.15E-03	1.55E-03	7.39E-03	1.21E-03	9.04E-04
5789	563098.3	4235296	9.05E-03	1.54E-03	7.31E-03	1.20E-03	8.94E-04
5790	563088.1	4235294	8.91E-03	1.51E-03	7.20E-03	1.18E-03	8.80E-04
5791	563077.8	4235292	8.74E-03	1.48E-03	7.06E-03	1.16E-03	8.64E-04
5792	563516.3	4235276	3.71E-03	6.30E-04	3.00E-03	4.91E-04	3.67E-04
5793	563506.6	4235280	3.80E-03	6.45E-04	3.07E-03	5.03E-04	3.76E-04
5794	563496.8	4235285	3.89E-03	6.60E-04	3.14E-03	5.14E-04	3.84E-04
5795	563487.1	4235289	3.97E-03	6.73E-04	3.20E-03	5.24E-04	3.92E-04
5796	563477.4	4235293	4.05E-03	6.86E-04	3.27E-03	5.35E-04	3.99E-04
5797	563467.7	4235297	4.13E-03	7.01E-04	3.33E-03	5.46E-04	4.08E-04
5798	563458	4235302	4.21E-03	7.15E-04	3.40E-03	5.57E-04	4.16E-04
5799	563448.3	4235306	4.30E-03	7.29E-04	3.47E-03	5.69E-04	4.25E-04
5800	563438.5	4235310	4.38E-03	7.44E-04	3.54E-03	5.80E-04	4.33E-04
5801	563428.8	4235314	4.47E-03	7.58E-04	3.61E-03	5.91E-04	4.41E-04
5802	563419.1	4235318	4.56E-03	7.74E-04	3.68E-03	6.03E-04	4.50E-04
5803	563409.4	4235323	4.66E-03	7.90E-04	3.76E-03	6.16E-04	4.60E-04
5804	563399.7	4235327	4.76E-03	8.08E-04	3.84E-03	6.30E-04	4.70E-04
5805	563389.9	4235331	4.85E-03	8.23E-04	3.92E-03	6.42E-04	4.79E-04
5806	563380.2	4235335	4.94E-03	8.39E-04	3.99E-03	6.54E-04	4.88E-04
5807	563370.5	4235339	5.04E-03	8.55E-04	4.07E-03	6.67E-04	4.98E-04
5808	563360.8	4235344	5.14E-03	8.73E-04	4.15E-03	6.80E-04	5.08E-04
5809	563351.1	4235348	5.24E-03	8.89E-04	4.23E-03	6.93E-04	5.17E-04
5810	563341.4	4235352	5.33E-03	9.05E-04	4.30E-03	7.05E-04	5.27E-04
5811	563331.6	4235356	5.42E-03	9.21E-04	4.38E-03	7.17E-04	5.36E-04
5812	563321.9	4235360	5.52E-03	9.36E-04	4.46E-03	7.30E-04	5.45E-04
5813	563312.2	4235365	5.61E-03	9.52E-04	4.53E-03	7.42E-04	5.54E-04
5814	563302.5	4235369	5.71E-03	9.68E-04	4.61E-03	7.55E-04	5.64E-04
5815	563287.6	4235372	5.91E-03	1.00E-03	4.77E-03	7.81E-04	5.83E-04
5816	563277.2	4235370	6.11E-03	1.04E-03	4.94E-03	8.08E-04	6.04E-04
5817	563266.8	4235368	6.32E-03	1.07E-03	5.10E-03	8.36E-04	6.24E-04
5818	563256.4	4235366	6.52E-03	1.11E-03	5.27E-03	8.63E-04	6.44E-04

5819	563246	4235364	6.72E-03	1.14E-03	5.43E-03	8.89E-04	6.64E-04
5820	563235.6	4235362	6.93E-03	1.18E-03	5.60E-03	9.17E-04	6.85E-04
5821	563225.2	4235360	7.14E-03	1.21E-03	5.76E-03	9.44E-04	7.05E-04
5822	563214.8	4235358	7.33E-03	1.24E-03	5.92E-03	9.70E-04	7.24E-04
5823	563204.4	4235356	7.50E-03	1.27E-03	6.06E-03	9.92E-04	7.41E-04
5824	563194	4235354	7.66E-03	1.30E-03	6.18E-03	1.01E-03	7.56E-04
5825	563183.6	4235352	7.79E-03	1.32E-03	6.29E-03	1.03E-03	7.70E-04
5826	563173.2	4235350	7.91E-03	1.34E-03	6.39E-03	1.05E-03	7.81E-04
5827	563162.9	4235348	8.01E-03	1.36E-03	6.47E-03	1.06E-03	7.91E-04
5828	563152.5	4235346	8.08E-03	1.37E-03	6.52E-03	1.07E-03	7.98E-04
5829	563142.1	4235344	8.13E-03	1.38E-03	6.56E-03	1.07E-03	8.03E-04
5830	563131.7	4235342	8.15E-03	1.38E-03	6.58E-03	1.08E-03	8.05E-04
5831	563121.3	4235339	8.14E-03	1.38E-03	6.57E-03	1.08E-03	8.04E-04
5832	563110.9	4235337	8.11E-03	1.38E-03	6.54E-03	1.07E-03	8.00E-04
5833	563100.5	4235335	8.04E-03	1.36E-03	6.49E-03	1.06E-03	7.94E-04
5834	563090.1	4235333	7.95E-03	1.35E-03	6.42E-03	1.05E-03	7.85E-04
5835	563079.7	4235331	7.83E-03	1.33E-03	6.32E-03	1.04E-03	7.73E-04
5836	563069.3	4235329	7.69E-03	1.30E-03	6.21E-03	1.02E-03	7.59E-04
5837	563058.9	4235327	7.52E-03	1.28E-03	6.07E-03	9.95E-04	7.43E-04
5838	563525.2	4235271	3.63E-03	6.16E-04	2.93E-03	4.80E-04	3.59E-04
5839	563542.4	4235307	3.33E-03	5.66E-04	2.69E-03	4.41E-04	3.29E-04
5840	563532.8	4235311	3.42E-03	5.80E-04	2.76E-03	4.52E-04	3.38E-04
5841	563523.1	4235315	3.50E-03	5.94E-04	2.82E-03	4.63E-04	3.46E-04
5842	563513.5	4235319	3.58E-03	6.07E-04	2.89E-03	4.73E-04	3.53E-04
5843	563503.9	4235323	3.63E-03	6.17E-04	2.94E-03	4.81E-04	3.59E-04
5844	563494.3	4235327	3.69E-03	6.26E-04	2.98E-03	4.88E-04	3.64E-04
5845	563484.7	4235332	3.74E-03	6.35E-04	3.02E-03	4.95E-04	3.70E-04
5846	563475	4235336	3.81E-03	6.46E-04	3.07E-03	5.04E-04	3.76E-04
5847	563465.4	4235340	3.87E-03	6.57E-04	3.13E-03	5.12E-04	3.83E-04
5848	563455.8	4235344	3.93E-03	6.68E-04	3.18E-03	5.20E-04	3.89E-04
5849	563446.2	4235348	4.00E-03	6.79E-04	3.23E-03	5.29E-04	3.95E-04
5850	563436.6	4235352	4.07E-03	6.90E-04	3.28E-03	5.38E-04	4.02E-04
5851	563426.9	4235357	4.14E-03	7.02E-04	3.34E-03	5.47E-04	4.08E-04
5852	563417.3	4235361	4.21E-03	7.14E-04	3.40E-03	5.56E-04	4.15E-04
5853	563407.7	4235365	4.28E-03	7.26E-04	3.46E-03	5.66E-04	4.23E-04
5854	563398.1	4235369	4.36E-03	7.39E-04	3.52E-03	5.76E-04	4.30E-04
5855	563388.5	4235373	4.43E-03	7.52E-04	3.58E-03	5.86E-04	4.38E-04
5856	563378.8	4235377	4.51E-03	7.66E-04	3.64E-03	5.97E-04	4.46E-04
5857	563369.2	4235382	4.59E-03	7.79E-04	3.71E-03	6.07E-04	4.53E-04
5858	563359.6	4235386	4.66E-03	7.92E-04	3.77E-03	6.17E-04	4.61E-04
5859	563350	4235390	4.73E-03	8.03E-04	3.82E-03	6.26E-04	4.67E-04
5860	563340.4	4235394	4.80E-03	8.15E-04	3.88E-03	6.35E-04	4.74E-04
5861	563330.7	4235398	4.88E-03	8.28E-04	3.94E-03	6.46E-04	4.82E-04
5862	563321.1	4235402	4.97E-03	8.44E-04	4.01E-03	6.57E-04	4.91E-04
5863	563311.5	4235407	5.06E-03	8.58E-04	4.08E-03	6.69E-04	5.00E-04
5864	563301.9	4235411	5.14E-03	8.73E-04	4.15E-03	6.80E-04	5.08E-04
5865	563291.9	4235412	5.27E-03	8.94E-04	4.25E-03	6.97E-04	5.20E-04
5866	563281.6	4235410	5.44E-03	9.23E-04	4.39E-03	7.19E-04	5.37E-04
5867	563271.3	4235408	5.61E-03	9.51E-04	4.53E-03	7.42E-04	5.54E-04
5868	563261.1	4235406	5.78E-03	9.80E-04	4.66E-03	7.64E-04	5.70E-04
5869	563250.8	4235404	5.94E-03	1.01E-03	4.80E-03	7.86E-04	5.87E-04
5870	563240.5	4235402	6.11E-03	1.04E-03	4.93E-03	8.08E-04	6.03E-04

5871	563230.2	4235400	6.27E-03	1.06E-03	5.07E-03	8.30E-04	6.20E-04
5872	563219.9	4235398	6.44E-03	1.09E-03	5.20E-03	8.51E-04	6.36E-04
5873	563209.6	4235396	6.59E-03	1.12E-03	5.32E-03	8.71E-04	6.51E-04
5874	563199.3	4235394	6.73E-03	1.14E-03	5.43E-03	8.90E-04	6.65E-04
5875	563189	4235392	6.85E-03	1.16E-03	5.53E-03	9.06E-04	6.77E-04
5876	563178.8	4235390	6.96E-03	1.18E-03	5.62E-03	9.21E-04	6.88E-04
5877	563168.5	4235388	7.06E-03	1.20E-03	5.70E-03	9.33E-04	6.97E-04
5878	563158.2	4235386	7.13E-03	1.21E-03	5.76E-03	9.43E-04	7.04E-04
5879	563147.9	4235384	7.19E-03	1.22E-03	5.80E-03	9.50E-04	7.10E-04
5880	563137.6	4235382	7.22E-03	1.23E-03	5.83E-03	9.55E-04	7.13E-04
5881	563127.3	4235380	7.24E-03	1.23E-03	5.85E-03	9.58E-04	7.15E-04
5882	563117	4235378	7.24E-03	1.23E-03	5.84E-03	9.57E-04	7.15E-04
5883	563106.7	4235376	7.21E-03	1.22E-03	5.82E-03	9.53E-04	7.12E-04
5884	563096.4	4235374	7.16E-03	1.21E-03	5.78E-03	9.47E-04	7.07E-04
5885	563086.2	4235372	7.09E-03	1.20E-03	5.72E-03	9.37E-04	7.00E-04
5886	563075.9	4235370	6.99E-03	1.19E-03	5.65E-03	9.25E-04	6.91E-04
5887	563065.6	4235368	6.88E-03	1.17E-03	5.56E-03	9.10E-04	6.80E-04
5888	563055.3	4235366	6.75E-03	1.15E-03	5.45E-03	8.93E-04	6.67E-04
5889	563045	4235364	6.60E-03	1.12E-03	5.33E-03	8.73E-04	6.52E-04
5890	563551.2	4235301	3.27E-03	5.54E-04	2.64E-03	4.32E-04	3.23E-04
5891	563568.4	4235337	3.02E-03	5.12E-04	2.44E-03	3.99E-04	2.98E-04
5892	563558.7	4235341	3.08E-03	5.23E-04	2.49E-03	4.08E-04	3.05E-04
5893	563549	4235345	3.15E-03	5.34E-04	2.54E-03	4.16E-04	3.11E-04
5894	563539.3	4235350	3.21E-03	5.44E-04	2.59E-03	4.24E-04	3.17E-04
5895	563529.5	4235354	3.26E-03	5.54E-04	2.63E-03	4.32E-04	3.22E-04
5896	563519.8	4235358	3.32E-03	5.63E-04	2.68E-03	4.39E-04	3.28E-04
5897	563510.1	4235362	3.37E-03	5.72E-04	2.72E-03	4.46E-04	3.33E-04
5898	563500.4	4235366	3.42E-03	5.81E-04	2.76E-03	4.53E-04	3.38E-04
5899	563490.7	4235371	3.47E-03	5.89E-04	2.80E-03	4.59E-04	3.43E-04
5900	563481	4235375	3.52E-03	5.98E-04	2.84E-03	4.66E-04	3.48E-04
5901	563471.3	4235379	3.56E-03	6.05E-04	2.88E-03	4.71E-04	3.52E-04
5902	563461.6	4235383	3.60E-03	6.11E-04	2.91E-03	4.76E-04	3.56E-04
5903	563451.9	4235387	3.64E-03	6.18E-04	2.94E-03	4.82E-04	3.60E-04
5904	563442.2	4235392	3.70E-03	6.28E-04	2.99E-03	4.89E-04	3.65E-04
5905	563432.4	4235396	3.75E-03	6.37E-04	3.03E-03	4.96E-04	3.71E-04
5906	563422.7	4235400	3.80E-03	6.45E-04	3.07E-03	5.03E-04	3.75E-04
5907	563413	4235404	3.85E-03	6.54E-04	3.11E-03	5.09E-04	3.80E-04
5908	563403.3	4235408	3.91E-03	6.63E-04	3.15E-03	5.16E-04	3.86E-04
5909	563393.6	4235413	3.96E-03	6.72E-04	3.20E-03	5.24E-04	3.91E-04
5910	563383.9	4235417	4.02E-03	6.83E-04	3.25E-03	5.32E-04	3.97E-04
5911	563374.2	4235421	4.10E-03	6.95E-04	3.31E-03	5.42E-04	4.05E-04
5912	563364.5	4235425	4.18E-03	7.09E-04	3.37E-03	5.53E-04	4.13E-04
5913	563354.8	4235429	4.26E-03	7.22E-04	3.44E-03	5.63E-04	4.20E-04
5914	563345.1	4235434	4.33E-03	7.35E-04	3.50E-03	5.73E-04	4.28E-04
5915	563335.3	4235438	4.40E-03	7.47E-04	3.56E-03	5.82E-04	4.35E-04
5916	563325.6	4235442	4.48E-03	7.60E-04	3.62E-03	5.92E-04	4.42E-04
5917	563315.9	4235446	4.55E-03	7.72E-04	3.68E-03	6.02E-04	4.50E-04
5918	563306.2	4235450	4.62E-03	7.85E-04	3.73E-03	6.12E-04	4.57E-04
5919	563296.2	4235452	4.73E-03	8.03E-04	3.82E-03	6.26E-04	4.67E-04
5920	563285.8	4235450	4.88E-03	8.28E-04	3.94E-03	6.45E-04	4.82E-04
5921	563275.4	4235447	5.02E-03	8.52E-04	4.06E-03	6.64E-04	4.96E-04
5922	563265	4235445	5.17E-03	8.77E-04	4.17E-03	6.83E-04	5.10E-04

5923	563254.6	4235443	5.31E-03	9.01E-04	4.29E-03	7.02E-04	5.24E-04
5924	563244.3	4235441	5.45E-03	9.25E-04	4.40E-03	7.21E-04	5.38E-04
5925	563233.9	4235439	5.58E-03	9.48E-04	4.51E-03	7.38E-04	5.51E-04
5926	563223.5	4235437	5.71E-03	9.69E-04	4.61E-03	7.56E-04	5.64E-04
5927	563213.1	4235435	5.84E-03	9.90E-04	4.71E-03	7.72E-04	5.76E-04
5928	563202.7	4235433	5.96E-03	1.01E-03	4.81E-03	7.88E-04	5.88E-04
5929	563192.3	4235431	6.07E-03	1.03E-03	4.90E-03	8.03E-04	6.00E-04
5930	563181.9	4235429	6.18E-03	1.05E-03	4.99E-03	8.17E-04	6.10E-04
5931	563171.6	4235427	6.27E-03	1.06E-03	5.06E-03	8.29E-04	6.19E-04
5932	563161.2	4235425	6.35E-03	1.08E-03	5.13E-03	8.40E-04	6.27E-04
5933	563150.8	4235423	6.41E-03	1.09E-03	5.18E-03	8.48E-04	6.33E-04
5934	563140.4	4235421	6.45E-03	1.10E-03	5.21E-03	8.53E-04	6.37E-04
5935	563130	4235419	6.48E-03	1.10E-03	5.23E-03	8.57E-04	6.40E-04
5936	563119.6	4235417	6.49E-03	1.10E-03	5.24E-03	8.58E-04	6.41E-04
5937	563109.3	4235415	6.48E-03	1.10E-03	5.23E-03	8.57E-04	6.40E-04
5938	563098.9	4235413	6.45E-03	1.09E-03	5.21E-03	8.53E-04	6.37E-04
5939	563088.5	4235411	6.40E-03	1.09E-03	5.17E-03	8.47E-04	6.32E-04
5940	563078.1	4235409	6.34E-03	1.08E-03	5.12E-03	8.38E-04	6.26E-04
5941	563067.7	4235407	6.26E-03	1.06E-03	5.05E-03	8.27E-04	6.18E-04
5942	563057.3	4235405	6.16E-03	1.04E-03	4.97E-03	8.14E-04	6.08E-04
5943	563047	4235403	6.04E-03	1.03E-03	4.88E-03	7.99E-04	5.97E-04
5944	563036.6	4235401	5.92E-03	1.00E-03	4.78E-03	7.83E-04	5.84E-04
5945	563026.2	4235399	5.78E-03	9.81E-04	4.67E-03	7.64E-04	5.71E-04
5946	563594.5	4235367	2.71E-03	4.60E-04	2.19E-03	3.59E-04	2.68E-04
5947	563584.9	4235371	2.76E-03	4.69E-04	2.23E-03	3.66E-04	2.73E-04
5948	563575.2	4235376	2.81E-03	4.78E-04	2.27E-03	3.72E-04	2.78E-04
5949	563565.6	4235380	2.86E-03	4.86E-04	2.31E-03	3.79E-04	2.83E-04
5950	563556	4235384	2.91E-03	4.94E-04	2.35E-03	3.85E-04	2.87E-04
5951	563546.3	4235388	2.95E-03	5.01E-04	2.38E-03	3.91E-04	2.92E-04
5952	563536.7	4235392	3.00E-03	5.09E-04	2.42E-03	3.97E-04	2.96E-04
5953	563527.1	4235396	3.05E-03	5.18E-04	2.46E-03	4.03E-04	3.01E-04
5954	563517.5	4235401	3.10E-03	5.26E-04	2.50E-03	4.10E-04	3.06E-04
5955	563507.8	4235405	3.14E-03	5.33E-04	2.53E-03	4.15E-04	3.10E-04
5956	563498.2	4235409	3.18E-03	5.39E-04	2.57E-03	4.20E-04	3.14E-04
5957	563488.6	4235413	3.21E-03	5.45E-04	2.59E-03	4.25E-04	3.17E-04
5958	563479	4235417	3.25E-03	5.51E-04	2.62E-03	4.29E-04	3.21E-04
5959	563469.3	4235421	3.28E-03	5.56E-04	2.65E-03	4.34E-04	3.24E-04
5960	563459.7	4235426	3.31E-03	5.61E-04	2.67E-03	4.38E-04	3.27E-04
5961	563450.1	4235430	3.34E-03	5.67E-04	2.70E-03	4.42E-04	3.30E-04
5962	563440.4	4235434	3.37E-03	5.73E-04	2.73E-03	4.46E-04	3.33E-04
5963	563430.8	4235438	3.42E-03	5.80E-04	2.76E-03	4.52E-04	3.37E-04
5964	563421.2	4235442	3.47E-03	5.88E-04	2.80E-03	4.58E-04	3.42E-04
5965	563411.6	4235446	3.52E-03	5.98E-04	2.84E-03	4.66E-04	3.48E-04
5966	563401.9	4235451	3.59E-03	6.09E-04	2.90E-03	4.75E-04	3.54E-04
5967	563392.3	4235455	3.66E-03	6.21E-04	2.95E-03	4.84E-04	3.61E-04
5968	563382.7	4235459	3.73E-03	6.32E-04	3.01E-03	4.93E-04	3.68E-04
5969	563373.1	4235463	3.79E-03	6.42E-04	3.06E-03	5.01E-04	3.74E-04
5970	563363.4	4235467	3.84E-03	6.51E-04	3.10E-03	5.08E-04	3.79E-04
5971	563353.8	4235471	3.90E-03	6.62E-04	3.15E-03	5.16E-04	3.85E-04
5972	563344.2	4235476	3.96E-03	6.73E-04	3.20E-03	5.24E-04	3.91E-04
5973	563334.5	4235480	4.03E-03	6.84E-04	3.25E-03	5.33E-04	3.98E-04
5974	563324.9	4235484	4.09E-03	6.95E-04	3.31E-03	5.41E-04	4.04E-04

5975	563315.3	4235488	4.16E-03	7.05E-04	3.36E-03	5.50E-04	4.10E-04
5976	563300.5	4235491	4.28E-03	7.26E-04	3.45E-03	5.66E-04	4.22E-04
5977	563290.2	4235489	4.40E-03	7.47E-04	3.55E-03	5.82E-04	4.35E-04
5978	563279.9	4235487	4.52E-03	7.68E-04	3.65E-03	5.98E-04	4.47E-04
5979	563269.6	4235485	4.65E-03	7.88E-04	3.75E-03	6.14E-04	4.59E-04
5980	563259.3	4235483	4.77E-03	8.09E-04	3.85E-03	6.30E-04	4.71E-04
5981	563249	4235481	4.89E-03	8.29E-04	3.95E-03	6.46E-04	4.83E-04
5982	563238.7	4235479	5.00E-03	8.49E-04	4.04E-03	6.62E-04	4.94E-04
5983	563228.4	4235477	5.11E-03	8.68E-04	4.13E-03	6.76E-04	5.05E-04
5984	563218.2	4235475	5.22E-03	8.86E-04	4.21E-03	6.90E-04	5.16E-04
5985	563207.9	4235473	5.32E-03	9.03E-04	4.30E-03	7.04E-04	5.25E-04
5986	563197.6	4235471	5.41E-03	9.19E-04	4.37E-03	7.16E-04	5.35E-04
5987	563187.3	4235469	5.50E-03	9.33E-04	4.44E-03	7.27E-04	5.43E-04
5988	563177	4235467	5.58E-03	9.47E-04	4.50E-03	7.38E-04	5.51E-04
5989	563166.7	4235465	5.65E-03	9.59E-04	4.56E-03	7.47E-04	5.58E-04
5990	563156.4	4235463	5.72E-03	9.70E-04	4.62E-03	7.56E-04	5.65E-04
5991	563146.1	4235461	5.77E-03	9.80E-04	4.66E-03	7.64E-04	5.70E-04
5992	563135.8	4235459	5.82E-03	9.87E-04	4.70E-03	7.69E-04	5.75E-04
5993	563125.5	4235457	5.85E-03	9.92E-04	4.72E-03	7.73E-04	5.77E-04
5994	563115.2	4235455	5.85E-03	9.93E-04	4.73E-03	7.74E-04	5.78E-04
5995	563104.9	4235453	5.85E-03	9.92E-04	4.72E-03	7.73E-04	5.77E-04
5996	563094.6	4235451	5.82E-03	9.88E-04	4.70E-03	7.70E-04	5.75E-04
5997	563084.3	4235449	5.79E-03	9.82E-04	4.67E-03	7.65E-04	5.72E-04
5998	563074	4235447	5.74E-03	9.73E-04	4.63E-03	7.58E-04	5.66E-04
5999	563063.7	4235445	5.67E-03	9.62E-04	4.58E-03	7.50E-04	5.60E-04
6000	563053.4	4235443	5.59E-03	9.48E-04	4.51E-03	7.39E-04	5.52E-04
6001	563043.1	4235441	5.50E-03	9.33E-04	4.44E-03	7.27E-04	5.43E-04
6002	563032.8	4235439	5.39E-03	9.15E-04	4.35E-03	7.13E-04	5.33E-04
6003	563022.5	4235437	5.28E-03	8.96E-04	4.26E-03	6.98E-04	5.21E-04
6004	563012.2	4235435	5.16E-03	8.75E-04	4.16E-03	6.82E-04	5.09E-04
6005	563002	4235433	5.03E-03	8.53E-04	4.06E-03	6.65E-04	4.96E-04
6006	563620.5	4235398	2.45E-03	4.15E-04	1.98E-03	3.24E-04	2.42E-04
6007	563610.8	4235402	2.50E-03	4.23E-04	2.01E-03	3.30E-04	2.46E-04
6008	563601.1	4235406	2.54E-03	4.31E-04	2.05E-03	3.36E-04	2.51E-04
6009	563591.4	4235410	2.58E-03	4.39E-04	2.09E-03	3.42E-04	2.55E-04
6010	563581.7	4235414	2.63E-03	4.46E-04	2.12E-03	3.47E-04	2.59E-04
6011	563572	4235419	2.67E-03	4.52E-04	2.15E-03	3.53E-04	2.63E-04
6012	563562.3	4235423	2.70E-03	4.59E-04	2.18E-03	3.58E-04	2.67E-04
6013	563552.6	4235427	2.74E-03	4.66E-04	2.22E-03	3.63E-04	2.71E-04
6014	563542.9	4235431	2.78E-03	4.73E-04	2.25E-03	3.68E-04	2.75E-04
6015	563533.2	4235435	2.82E-03	4.79E-04	2.28E-03	3.74E-04	2.79E-04
6016	563523.5	4235440	2.86E-03	4.85E-04	2.31E-03	3.78E-04	2.82E-04
6017	563513.7	4235444	2.88E-03	4.90E-04	2.33E-03	3.82E-04	2.85E-04
6018	563504	4235448	2.91E-03	4.94E-04	2.35E-03	3.85E-04	2.87E-04
6019	563494.3	4235452	2.93E-03	4.98E-04	2.37E-03	3.88E-04	2.90E-04
6020	563484.6	4235456	2.96E-03	5.02E-04	2.39E-03	3.91E-04	2.92E-04
6021	563474.9	4235461	2.98E-03	5.06E-04	2.41E-03	3.94E-04	2.94E-04
6022	563465.2	4235465	3.01E-03	5.11E-04	2.43E-03	3.98E-04	2.97E-04
6023	563455.5	4235469	3.04E-03	5.16E-04	2.46E-03	4.03E-04	3.01E-04
6024	563445.8	4235473	3.09E-03	5.24E-04	2.50E-03	4.09E-04	3.05E-04
6025	563436.1	4235477	3.14E-03	5.33E-04	2.54E-03	4.16E-04	3.10E-04
6026	563426.4	4235482	3.20E-03	5.43E-04	2.58E-03	4.23E-04	3.16E-04

6027	563416.7	4235486	3.26E-03	5.53E-04	2.63E-03	4.31E-04	3.22E-04
6028	563407	4235490	3.32E-03	5.63E-04	2.68E-03	4.38E-04	3.27E-04
6029	563397.3	4235494	3.37E-03	5.72E-04	2.72E-03	4.46E-04	3.33E-04
6030	563387.6	4235498	3.42E-03	5.80E-04	2.76E-03	4.52E-04	3.38E-04
6031	563377.9	4235503	3.46E-03	5.88E-04	2.80E-03	4.58E-04	3.42E-04
6032	563368.2	4235507	3.51E-03	5.95E-04	2.83E-03	4.64E-04	3.46E-04
6033	563358.5	4235511	3.56E-03	6.04E-04	2.87E-03	4.71E-04	3.51E-04
6034	563348.8	4235515	3.62E-03	6.14E-04	2.92E-03	4.78E-04	3.57E-04
6035	563339.1	4235519	3.67E-03	6.23E-04	2.97E-03	4.86E-04	3.63E-04
6036	563329.4	4235524	3.73E-03	6.33E-04	3.01E-03	4.93E-04	3.68E-04
6037	563319.7	4235528	3.78E-03	6.42E-04	3.06E-03	5.00E-04	3.74E-04
6038	563304.8	4235531	3.89E-03	6.60E-04	3.14E-03	5.14E-04	3.84E-04
6039	563294.4	4235529	4.00E-03	6.78E-04	3.23E-03	5.29E-04	3.95E-04
6040	563284	4235527	4.10E-03	6.96E-04	3.31E-03	5.43E-04	4.05E-04
6041	563273.6	4235525	4.21E-03	7.14E-04	3.40E-03	5.57E-04	4.16E-04
6042	563263.3	4235523	4.32E-03	7.32E-04	3.49E-03	5.71E-04	4.26E-04
6043	563252.9	4235521	4.42E-03	7.50E-04	3.57E-03	5.85E-04	4.37E-04
6044	563242.5	4235519	4.52E-03	7.67E-04	3.65E-03	5.98E-04	4.47E-04
6045	563232.1	4235517	4.62E-03	7.84E-04	3.73E-03	6.11E-04	4.56E-04
6046	563221.8	4235515	4.71E-03	8.00E-04	3.81E-03	6.23E-04	4.65E-04
6047	563211.4	4235513	4.80E-03	8.15E-04	3.88E-03	6.35E-04	4.74E-04
6048	563201	4235511	4.89E-03	8.29E-04	3.94E-03	6.46E-04	4.82E-04
6049	563190.6	4235509	4.96E-03	8.42E-04	4.01E-03	6.56E-04	4.90E-04
6050	563180.2	4235507	5.03E-03	8.54E-04	4.06E-03	6.66E-04	4.97E-04
6051	563169.9	4235505	5.09E-03	8.64E-04	4.11E-03	6.74E-04	5.03E-04
6052	563159.5	4235503	5.15E-03	8.74E-04	4.16E-03	6.81E-04	5.08E-04
6053	563149.1	4235501	5.19E-03	8.81E-04	4.19E-03	6.87E-04	5.13E-04
6054	563138.7	4235499	5.23E-03	8.88E-04	4.22E-03	6.92E-04	5.17E-04
6055	563128.4	4235497	5.26E-03	8.93E-04	4.25E-03	6.96E-04	5.20E-04
6056	563118	4235495	5.28E-03	8.96E-04	4.26E-03	6.99E-04	5.22E-04
6057	563107.6	4235493	5.29E-03	8.97E-04	4.27E-03	6.99E-04	5.22E-04
6058	563097.2	4235491	5.28E-03	8.96E-04	4.26E-03	6.98E-04	5.21E-04
6059	563086.8	4235488	5.27E-03	8.93E-04	4.25E-03	6.96E-04	5.20E-04
6060	563076.5	4235486	5.24E-03	8.89E-04	4.23E-03	6.93E-04	5.17E-04
6061	563066.1	4235484	5.20E-03	8.82E-04	4.20E-03	6.88E-04	5.14E-04
6062	563055.7	4235482	5.14E-03	8.72E-04	4.15E-03	6.80E-04	5.08E-04
6063	563045.3	4235480	5.07E-03	8.60E-04	4.09E-03	6.71E-04	5.01E-04
6064	563035	4235478	4.99E-03	8.47E-04	4.03E-03	6.60E-04	4.93E-04
6065	563024.6	4235476	4.90E-03	8.31E-04	3.95E-03	6.48E-04	4.84E-04
6066	563014.2	4235474	4.80E-03	8.14E-04	3.87E-03	6.35E-04	4.74E-04
6067	563003.8	4235472	4.69E-03	7.96E-04	3.79E-03	6.20E-04	4.63E-04
6068	562993.5	4235470	4.58E-03	7.77E-04	3.70E-03	6.06E-04	4.52E-04
6069	562983.1	4235468	4.46E-03	7.57E-04	3.60E-03	5.90E-04	4.41E-04
6070	563629.4	4235392	2.41E-03	4.08E-04	1.94E-03	3.18E-04	2.38E-04
6071	563646.6	4235428	2.22E-03	3.77E-04	1.80E-03	2.94E-04	2.20E-04
6072	563636.9	4235432	2.27E-03	3.85E-04	1.83E-03	3.00E-04	2.24E-04
6073	563627.3	4235436	2.31E-03	3.92E-04	1.86E-03	3.05E-04	2.28E-04
6074	563617.7	4235441	2.34E-03	3.98E-04	1.89E-03	3.10E-04	2.31E-04
6075	563608	4235445	2.37E-03	4.03E-04	1.92E-03	3.14E-04	2.35E-04
6076	563598.4	4235449	2.41E-03	4.08E-04	1.94E-03	3.18E-04	2.38E-04
6077	563588.8	4235453	2.44E-03	4.14E-04	1.97E-03	3.23E-04	2.41E-04
6078	563579.2	4235457	2.48E-03	4.20E-04	2.00E-03	3.27E-04	2.44E-04

6079	563569.5	4235461	2.51E-03	4.26E-04	2.03E-03	3.32E-04	2.48E-04
6080	563559.9	4235466	2.55E-03	4.33E-04	2.06E-03	3.37E-04	2.52E-04
6081	563550.3	4235470	2.58E-03	4.38E-04	2.09E-03	3.42E-04	2.55E-04
6082	563540.6	4235474	2.60E-03	4.42E-04	2.10E-03	3.44E-04	2.57E-04
6083	563531	4235478	2.62E-03	4.45E-04	2.12E-03	3.47E-04	2.59E-04
6084	563521.4	4235482	2.64E-03	4.48E-04	2.13E-03	3.49E-04	2.61E-04
6085	563511.7	4235486	2.66E-03	4.51E-04	2.15E-03	3.52E-04	2.63E-04
6086	563502.1	4235491	2.68E-03	4.54E-04	2.16E-03	3.54E-04	2.64E-04
6087	563492.5	4235495	2.70E-03	4.58E-04	2.18E-03	3.57E-04	2.67E-04
6088	563482.8	4235499	2.73E-03	4.63E-04	2.20E-03	3.61E-04	2.69E-04
6089	563473.2	4235503	2.77E-03	4.69E-04	2.23E-03	3.66E-04	2.73E-04
6090	563463.6	4235507	2.81E-03	4.76E-04	2.27E-03	3.71E-04	2.77E-04
6091	563453.9	4235511	2.85E-03	4.84E-04	2.30E-03	3.77E-04	2.82E-04
6092	563444.3	4235516	2.90E-03	4.91E-04	2.34E-03	3.83E-04	2.86E-04
6093	563434.7	4235520	2.94E-03	4.98E-04	2.37E-03	3.88E-04	2.90E-04
6094	563425	4235524	2.98E-03	5.05E-04	2.41E-03	3.94E-04	2.94E-04
6095	563415.4	4235528	3.02E-03	5.12E-04	2.44E-03	3.99E-04	2.98E-04
6096	563405.8	4235532	3.06E-03	5.19E-04	2.47E-03	4.04E-04	3.02E-04
6097	563396.1	4235536	3.10E-03	5.25E-04	2.50E-03	4.09E-04	3.06E-04
6098	563386.5	4235541	3.14E-03	5.33E-04	2.54E-03	4.16E-04	3.10E-04
6099	563376.9	4235545	3.19E-03	5.42E-04	2.58E-03	4.22E-04	3.15E-04
6100	563367.2	4235549	3.24E-03	5.50E-04	2.62E-03	4.29E-04	3.20E-04
6101	563357.6	4235553	3.29E-03	5.59E-04	2.66E-03	4.36E-04	3.25E-04
6102	563348	4235557	3.34E-03	5.67E-04	2.70E-03	4.42E-04	3.30E-04
6103	563338.3	4235561	3.39E-03	5.76E-04	2.74E-03	4.49E-04	3.35E-04
6104	563328.7	4235566	3.44E-03	5.84E-04	2.78E-03	4.55E-04	3.40E-04
6105	563319.1	4235570	3.49E-03	5.92E-04	2.81E-03	4.61E-04	3.44E-04
6106	563309.1	4235571	3.55E-03	6.03E-04	2.87E-03	4.70E-04	3.51E-04
6107	563298.8	4235569	3.65E-03	6.19E-04	2.94E-03	4.82E-04	3.60E-04
6108	563288.5	4235567	3.74E-03	6.35E-04	3.02E-03	4.95E-04	3.69E-04
6109	563278.2	4235565	3.83E-03	6.50E-04	3.09E-03	5.07E-04	3.78E-04
6110	563267.9	4235563	3.92E-03	6.66E-04	3.17E-03	5.19E-04	3.88E-04
6111	563257.6	4235561	4.01E-03	6.81E-04	3.24E-03	5.31E-04	3.96E-04
6112	563247.3	4235559	4.10E-03	6.96E-04	3.31E-03	5.42E-04	4.05E-04
6113	563237	4235557	4.19E-03	7.11E-04	3.38E-03	5.54E-04	4.14E-04
6114	563226.7	4235555	4.27E-03	7.25E-04	3.45E-03	5.65E-04	4.22E-04
6115	563216.4	4235553	4.35E-03	7.38E-04	3.51E-03	5.75E-04	4.29E-04
6116	563206.1	4235551	4.42E-03	7.51E-04	3.57E-03	5.85E-04	4.37E-04
6117	563195.8	4235549	4.49E-03	7.62E-04	3.63E-03	5.94E-04	4.44E-04
6118	563185.5	4235547	4.56E-03	7.73E-04	3.68E-03	6.03E-04	4.50E-04
6119	563175.2	4235545	4.62E-03	7.83E-04	3.73E-03	6.10E-04	4.56E-04
6120	563164.9	4235543	4.67E-03	7.92E-04	3.77E-03	6.17E-04	4.61E-04
6121	563154.6	4235541	4.71E-03	7.99E-04	3.80E-03	6.23E-04	4.65E-04
6122	563144.3	4235539	4.75E-03	8.06E-04	3.83E-03	6.28E-04	4.69E-04
6123	563134	4235537	4.78E-03	8.10E-04	3.86E-03	6.32E-04	4.72E-04
6124	563123.7	4235535	4.80E-03	8.14E-04	3.87E-03	6.34E-04	4.74E-04
6125	563113.4	4235533	4.81E-03	8.16E-04	3.88E-03	6.36E-04	4.75E-04
6126	563103.1	4235531	4.81E-03	8.16E-04	3.88E-03	6.36E-04	4.75E-04
6127	563092.8	4235529	4.80E-03	8.14E-04	3.87E-03	6.34E-04	4.74E-04
6128	563082.5	4235527	4.78E-03	8.12E-04	3.86E-03	6.33E-04	4.72E-04
6129	563072.2	4235525	4.76E-03	8.08E-04	3.85E-03	6.30E-04	4.70E-04
6130	563061.9	4235523	4.73E-03	8.03E-04	3.82E-03	6.26E-04	4.67E-04

6131	563051.6	4235521	4.69E-03	7.95E-04	3.78E-03	6.20E-04	4.63E-04
6132	563041.3	4235518	4.63E-03	7.86E-04	3.74E-03	6.12E-04	4.57E-04
6133	563031	4235516	4.57E-03	7.75E-04	3.69E-03	6.04E-04	4.51E-04
6134	563020.7	4235514	4.50E-03	7.64E-04	3.63E-03	5.95E-04	4.44E-04
6135	563010.4	4235512	4.42E-03	7.50E-04	3.57E-03	5.85E-04	4.37E-04
6136	563000.1	4235510	4.33E-03	7.35E-04	3.50E-03	5.73E-04	4.28E-04
6137	562989.8	4235508	4.24E-03	7.19E-04	3.42E-03	5.61E-04	4.19E-04
6138	562979.5	4235506	4.14E-03	7.02E-04	3.34E-03	5.47E-04	4.09E-04
6139	562969.2	4235504	4.04E-03	6.85E-04	3.26E-03	5.34E-04	3.99E-04
6140	563655.4	4235422	2.19E-03	3.71E-04	1.76E-03	2.89E-04	2.16E-04
6141	563672.6	4235458	2.03E-03	3.44E-04	1.64E-03	2.68E-04	2.00E-04
6142	563662.9	4235463	2.07E-03	3.51E-04	1.67E-03	2.74E-04	2.04E-04
6143	563653.2	4235467	2.11E-03	3.58E-04	1.70E-03	2.79E-04	2.08E-04
6144	563643.5	4235471	2.14E-03	3.64E-04	1.73E-03	2.84E-04	2.12E-04
6145	563633.8	4235475	2.18E-03	3.70E-04	1.76E-03	2.88E-04	2.15E-04
6146	563624.1	4235479	2.21E-03	3.75E-04	1.78E-03	2.92E-04	2.18E-04
6147	563614.4	4235484	2.24E-03	3.79E-04	1.81E-03	2.96E-04	2.21E-04
6148	563604.7	4235488	2.27E-03	3.84E-04	1.83E-03	3.00E-04	2.24E-04
6149	563595	4235492	2.30E-03	3.90E-04	1.86E-03	3.04E-04	2.27E-04
6150	563585.3	4235496	2.33E-03	3.95E-04	1.88E-03	3.08E-04	2.30E-04
6151	563575.6	4235500	2.35E-03	3.99E-04	1.90E-03	3.11E-04	2.32E-04
6152	563565.9	4235505	2.37E-03	4.02E-04	1.91E-03	3.13E-04	2.34E-04
6153	563556.2	4235509	2.38E-03	4.04E-04	1.92E-03	3.15E-04	2.35E-04
6154	563546.5	4235513	2.39E-03	4.06E-04	1.93E-03	3.16E-04	2.36E-04
6155	563536.8	4235517	2.41E-03	4.09E-04	1.94E-03	3.19E-04	2.38E-04
6156	563527.1	4235521	2.43E-03	4.12E-04	1.96E-03	3.21E-04	2.40E-04
6157	563517.4	4235526	2.45E-03	4.15E-04	1.97E-03	3.23E-04	2.42E-04
6158	563507.7	4235530	2.47E-03	4.20E-04	2.00E-03	3.27E-04	2.44E-04
6159	563498	4235534	2.50E-03	4.25E-04	2.02E-03	3.31E-04	2.47E-04
6160	563488.3	4235538	2.54E-03	4.31E-04	2.05E-03	3.36E-04	2.51E-04
6161	563478.6	4235542	2.58E-03	4.38E-04	2.08E-03	3.41E-04	2.55E-04
6162	563468.9	4235547	2.61E-03	4.44E-04	2.11E-03	3.46E-04	2.58E-04
6163	563459.2	4235551	2.65E-03	4.50E-04	2.14E-03	3.50E-04	2.62E-04
6164	563449.5	4235555	2.68E-03	4.55E-04	2.17E-03	3.55E-04	2.65E-04
6165	563439.8	4235559	2.72E-03	4.61E-04	2.19E-03	3.59E-04	2.68E-04
6166	563430.1	4235563	2.75E-03	4.67E-04	2.22E-03	3.64E-04	2.72E-04
6167	563420.4	4235568	2.79E-03	4.73E-04	2.25E-03	3.68E-04	2.75E-04
6168	563410.7	4235572	2.82E-03	4.79E-04	2.28E-03	3.73E-04	2.79E-04
6169	563401	4235576	2.86E-03	4.85E-04	2.31E-03	3.78E-04	2.82E-04
6170	563391.3	4235580	2.90E-03	4.92E-04	2.34E-03	3.84E-04	2.86E-04
6171	563381.6	4235584	2.94E-03	5.00E-04	2.38E-03	3.89E-04	2.91E-04
6172	563371.9	4235589	2.99E-03	5.07E-04	2.41E-03	3.95E-04	2.95E-04
6173	563362.2	4235593	3.03E-03	5.15E-04	2.45E-03	4.01E-04	3.00E-04
6174	563352.5	4235597	3.08E-03	5.22E-04	2.48E-03	4.07E-04	3.04E-04
6175	563342.8	4235601	3.12E-03	5.29E-04	2.52E-03	4.13E-04	3.08E-04
6176	563333.1	4235605	3.16E-03	5.37E-04	2.55E-03	4.18E-04	3.12E-04
6177	563323.4	4235610	3.20E-03	5.44E-04	2.59E-03	4.24E-04	3.16E-04
6178	563313.4	4235611	3.26E-03	5.54E-04	2.64E-03	4.32E-04	3.22E-04
6179	563303	4235609	3.35E-03	5.68E-04	2.70E-03	4.43E-04	3.31E-04
6180	563292.6	4235607	3.43E-03	5.82E-04	2.77E-03	4.53E-04	3.39E-04
6181	563282.3	4235605	3.51E-03	5.96E-04	2.83E-03	4.64E-04	3.47E-04
6182	563271.9	4235603	3.59E-03	6.09E-04	2.90E-03	4.75E-04	3.55E-04

6183	563261.5	4235600	3.67E-03	6.23E-04	2.96E-03	4.85E-04	3.62E-04
6184	563251.1	4235598	3.75E-03	6.36E-04	3.03E-03	4.96E-04	3.70E-04
6185	563240.8	4235596	3.82E-03	6.49E-04	3.09E-03	5.06E-04	3.78E-04
6186	563230.4	4235594	3.90E-03	6.61E-04	3.15E-03	5.16E-04	3.85E-04
6187	563220	4235592	3.97E-03	6.73E-04	3.20E-03	5.25E-04	3.92E-04
6188	563209.7	4235590	4.04E-03	6.85E-04	3.26E-03	5.34E-04	3.99E-04
6189	563199.3	4235588	4.10E-03	6.96E-04	3.31E-03	5.42E-04	4.05E-04
6190	563188.9	4235586	4.16E-03	7.06E-04	3.36E-03	5.50E-04	4.11E-04
6191	563178.5	4235584	4.21E-03	7.15E-04	3.40E-03	5.57E-04	4.16E-04
6192	563168.2	4235582	4.26E-03	7.23E-04	3.44E-03	5.63E-04	4.21E-04
6193	563157.8	4235580	4.30E-03	7.30E-04	3.47E-03	5.69E-04	4.25E-04
6194	563147.4	4235578	4.34E-03	7.36E-04	3.50E-03	5.74E-04	4.29E-04
6195	563137	4235576	4.37E-03	7.41E-04	3.53E-03	5.78E-04	4.32E-04
6196	563126.7	4235574	4.39E-03	7.45E-04	3.55E-03	5.81E-04	4.34E-04
6197	563116.3	4235572	4.41E-03	7.48E-04	3.56E-03	5.83E-04	4.35E-04
6198	563105.9	4235570	4.41E-03	7.49E-04	3.56E-03	5.84E-04	4.36E-04
6199	563095.6	4235568	4.41E-03	7.49E-04	3.56E-03	5.83E-04	4.36E-04
6200	563085.2	4235566	4.40E-03	7.47E-04	3.55E-03	5.82E-04	4.35E-04
6201	563074.8	4235564	4.38E-03	7.44E-04	3.54E-03	5.79E-04	4.33E-04
6202	563064.4	4235562	4.35E-03	7.39E-04	3.52E-03	5.76E-04	4.30E-04
6203	563054.1	4235560	4.32E-03	7.33E-04	3.49E-03	5.71E-04	4.26E-04
6204	563043.7	4235558	4.27E-03	7.25E-04	3.45E-03	5.65E-04	4.22E-04
6205	563033.3	4235556	4.22E-03	7.16E-04	3.41E-03	5.58E-04	4.17E-04
6206	563022.9	4235554	4.16E-03	7.07E-04	3.36E-03	5.51E-04	4.11E-04
6207	563012.6	4235552	4.11E-03	6.97E-04	3.31E-03	5.43E-04	4.05E-04
6208	563002.2	4235550	4.04E-03	6.86E-04	3.26E-03	5.34E-04	3.99E-04
6209	562991.8	4235548	3.97E-03	6.73E-04	3.20E-03	5.24E-04	3.92E-04
6210	562981.5	4235546	3.88E-03	6.59E-04	3.14E-03	5.14E-04	3.84E-04
6211	562971.1	4235544	3.80E-03	6.44E-04	3.06E-03	5.02E-04	3.75E-04
6212	562960.7	4235542	3.69E-03	6.27E-04	2.98E-03	4.88E-04	3.65E-04
6213	562950.3	4235540	3.59E-03	6.09E-04	2.90E-03	4.74E-04	3.54E-04
6214	563698.7	4235489	1.86E-03	3.15E-04	1.50E-03	2.46E-04	1.84E-04
6215	563689	4235493	1.89E-03	3.21E-04	1.53E-03	2.50E-04	1.87E-04
6216	563679.4	4235497	1.93E-03	3.27E-04	1.56E-03	2.55E-04	1.90E-04
6217	563669.8	4235501	1.96E-03	3.33E-04	1.58E-03	2.59E-04	1.94E-04
6218	563660.1	4235505	1.99E-03	3.38E-04	1.61E-03	2.63E-04	1.97E-04
6219	563650.5	4235510	2.02E-03	3.43E-04	1.63E-03	2.67E-04	2.00E-04
6220	563640.9	4235514	2.05E-03	3.48E-04	1.66E-03	2.71E-04	2.03E-04
6221	563631.2	4235518	2.08E-03	3.53E-04	1.68E-03	2.75E-04	2.06E-04
6222	563621.6	4235522	2.11E-03	3.58E-04	1.71E-03	2.79E-04	2.09E-04
6223	563612	4235526	2.13E-03	3.62E-04	1.72E-03	2.82E-04	2.11E-04
6224	563602.3	4235530	2.15E-03	3.65E-04	1.74E-03	2.84E-04	2.12E-04
6225	563592.7	4235535	2.17E-03	3.68E-04	1.75E-03	2.87E-04	2.14E-04
6226	563583	4235539	2.18E-03	3.70E-04	1.76E-03	2.89E-04	2.15E-04
6227	563573.4	4235543	2.20E-03	3.73E-04	1.77E-03	2.91E-04	2.17E-04
6228	563563.8	4235547	2.21E-03	3.75E-04	1.79E-03	2.92E-04	2.18E-04
6229	563554.1	4235551	2.23E-03	3.78E-04	1.80E-03	2.94E-04	2.20E-04
6230	563544.5	4235555	2.24E-03	3.80E-04	1.81E-03	2.96E-04	2.21E-04
6231	563534.9	4235560	2.27E-03	3.85E-04	1.83E-03	3.00E-04	2.24E-04
6232	563525.2	4235564	2.30E-03	3.90E-04	1.85E-03	3.04E-04	2.27E-04
6233	563515.6	4235568	2.33E-03	3.95E-04	1.88E-03	3.08E-04	2.30E-04
6234	563506	4235572	2.35E-03	3.99E-04	1.90E-03	3.11E-04	2.32E-04

6235	563496.3	4235576	2.37E-03	4.03E-04	1.92E-03	3.14E-04	2.34E-04
6236	563486.7	4235580	2.40E-03	4.07E-04	1.94E-03	3.17E-04	2.37E-04
6237	563477	4235585	2.42E-03	4.11E-04	1.96E-03	3.20E-04	2.39E-04
6238	563467.4	4235589	2.44E-03	4.14E-04	1.97E-03	3.23E-04	2.41E-04
6239	563457.8	4235593	2.46E-03	4.18E-04	1.99E-03	3.26E-04	2.43E-04
6240	563448.1	4235597	2.49E-03	4.23E-04	2.01E-03	3.29E-04	2.46E-04
6241	563438.5	4235601	2.52E-03	4.28E-04	2.04E-03	3.34E-04	2.49E-04
6242	563428.9	4235606	2.56E-03	4.34E-04	2.07E-03	3.38E-04	2.53E-04
6243	563419.2	4235610	2.60E-03	4.41E-04	2.10E-03	3.43E-04	2.56E-04
6244	563409.6	4235614	2.63E-03	4.47E-04	2.13E-03	3.48E-04	2.60E-04
6245	563400	4235618	2.67E-03	4.53E-04	2.16E-03	3.53E-04	2.64E-04
6246	563390.3	4235622	2.71E-03	4.60E-04	2.19E-03	3.58E-04	2.68E-04
6247	563380.7	4235626	2.75E-03	4.66E-04	2.22E-03	3.64E-04	2.72E-04
6248	563371	4235631	2.79E-03	4.73E-04	2.25E-03	3.69E-04	2.75E-04
6249	563361.4	4235635	2.83E-03	4.80E-04	2.28E-03	3.74E-04	2.79E-04
6250	563351.8	4235639	2.87E-03	4.87E-04	2.32E-03	3.80E-04	2.83E-04
6251	563342.1	4235643	2.91E-03	4.94E-04	2.35E-03	3.85E-04	2.88E-04
6252	563332.5	4235647	2.96E-03	5.02E-04	2.39E-03	3.91E-04	2.92E-04
6253	563317.7	4235650	3.03E-03	5.15E-04	2.45E-03	4.01E-04	3.00E-04
6254	563307.4	4235648	3.10E-03	5.27E-04	2.51E-03	4.10E-04	3.07E-04
6255	563297.1	4235646	3.17E-03	5.38E-04	2.56E-03	4.19E-04	3.13E-04
6256	563286.8	4235644	3.23E-03	5.49E-04	2.61E-03	4.28E-04	3.19E-04
6257	563276.5	4235642	3.30E-03	5.60E-04	2.66E-03	4.36E-04	3.26E-04
6258	563266.2	4235640	3.37E-03	5.71E-04	2.72E-03	4.45E-04	3.33E-04
6259	563255.9	4235638	3.44E-03	5.83E-04	2.77E-03	4.54E-04	3.39E-04
6260	563245.6	4235636	3.50E-03	5.94E-04	2.83E-03	4.63E-04	3.46E-04
6261	563235.3	4235634	3.57E-03	6.05E-04	2.88E-03	4.72E-04	3.52E-04
6262	563225	4235632	3.63E-03	6.16E-04	2.93E-03	4.80E-04	3.59E-04
6263	563214.7	4235630	3.69E-03	6.26E-04	2.98E-03	4.88E-04	3.65E-04
6264	563204.4	4235628	3.75E-03	6.36E-04	3.03E-03	4.96E-04	3.70E-04
6265	563194.1	4235626	3.80E-03	6.45E-04	3.07E-03	5.03E-04	3.76E-04
6266	563183.7	4235624	3.85E-03	6.54E-04	3.11E-03	5.10E-04	3.81E-04
6267	563173.4	4235622	3.90E-03	6.62E-04	3.15E-03	5.16E-04	3.85E-04
6268	563163.1	4235620	3.94E-03	6.68E-04	3.18E-03	5.21E-04	3.89E-04
6269	563152.8	4235618	3.98E-03	6.75E-04	3.21E-03	5.26E-04	3.93E-04
6270	563142.5	4235616	4.01E-03	6.80E-04	3.24E-03	5.30E-04	3.96E-04
6271	563132.2	4235614	4.03E-03	6.84E-04	3.26E-03	5.33E-04	3.98E-04
6272	563121.9	4235612	4.05E-03	6.87E-04	3.27E-03	5.36E-04	4.00E-04
6273	563111.6	4235610	4.06E-03	6.90E-04	3.28E-03	5.37E-04	4.01E-04
6274	563101.3	4235608	4.07E-03	6.91E-04	3.29E-03	5.38E-04	4.02E-04
6275	563091	4235606	4.07E-03	6.90E-04	3.28E-03	5.38E-04	4.02E-04
6276	563080.7	4235604	4.06E-03	6.89E-04	3.28E-03	5.37E-04	4.01E-04
6277	563070.4	4235602	4.04E-03	6.86E-04	3.27E-03	5.35E-04	3.99E-04
6278	563060.1	4235600	4.02E-03	6.82E-04	3.25E-03	5.32E-04	3.97E-04
6279	563049.8	4235598	3.99E-03	6.77E-04	3.22E-03	5.28E-04	3.94E-04
6280	563039.5	4235596	3.95E-03	6.71E-04	3.19E-03	5.23E-04	3.90E-04
6281	563029.2	4235594	3.91E-03	6.63E-04	3.15E-03	5.17E-04	3.86E-04
6282	563018.9	4235592	3.85E-03	6.54E-04	3.11E-03	5.10E-04	3.81E-04
6283	563008.6	4235590	3.80E-03	6.44E-04	3.06E-03	5.02E-04	3.75E-04
6284	562998.3	4235588	3.73E-03	6.33E-04	3.01E-03	4.94E-04	3.69E-04
6285	562988	4235586	3.66E-03	6.22E-04	2.96E-03	4.84E-04	3.62E-04
6286	562977.6	4235584	3.59E-03	6.09E-04	2.90E-03	4.75E-04	3.55E-04

6287	562967.3	4235582	3.51E-03	5.96E-04	2.84E-03	4.65E-04	3.47E-04
6288	562957	4235580	3.43E-03	5.83E-04	2.77E-03	4.54E-04	3.39E-04
6289	562946.7	4235578	3.35E-03	5.69E-04	2.71E-03	4.43E-04	3.31E-04
6290	562936.4	4235576	3.27E-03	5.55E-04	2.64E-03	4.33E-04	3.23E-04
6291	562926.1	4235574	3.19E-03	5.41E-04	2.58E-03	4.22E-04	3.15E-04
6292	563380.7	4236267	1.24E-03	2.10E-04	1.00E-03	1.64E-04	1.22E-04
6293	563933	4236125	7.85E-04	1.33E-04	6.34E-04	1.04E-04	7.76E-05
6294	563945.5	4236147	7.66E-04	1.30E-04	6.19E-04	1.01E-04	7.57E-05
6295	563824.5	4236269	7.58E-04	1.29E-04	6.12E-04	1.00E-04	7.48E-05
6296	563855.9	4236253	7.49E-04	1.27E-04	6.05E-04	9.91E-05	7.40E-05
6297	563849.4	4236289	7.32E-04	1.24E-04	5.91E-04	9.68E-05	7.23E-05
6298	563815.6	4236380	6.97E-04	1.18E-04	5.63E-04	9.21E-05	6.88E-05
6299	563835.1	4236350	7.07E-04	1.20E-04	5.71E-04	9.35E-05	6.98E-05
6300	563844.6	4236373	6.87E-04	1.17E-04	5.55E-04	9.09E-05	6.79E-05
6301	563850	4236388	6.75E-04	1.15E-04	5.45E-04	8.93E-05	6.67E-05
6302	563807.8	4236458	6.61E-04	1.12E-04	5.34E-04	8.74E-05	6.53E-05
6303	563812.6	4236488	6.46E-04	1.10E-04	5.21E-04	8.54E-05	6.38E-05
6304	563786.5	4236491	6.55E-04	1.11E-04	5.29E-04	8.66E-05	6.47E-05
6305	563862.8	4236477	6.26E-04	1.06E-04	5.05E-04	8.28E-05	6.18E-05

PM 10					
Tons/Yr	T2	T2L3	T3	T4I	T4F
Year 1	0.060505	0.010267	0.048854	0.008002	0.005976
Year 2	0.053975	0.008653	0.039595	0.007678	0.003921
Year 3	0	0	0	0	
Year 4	0	0	0	0	

PM 10					
Lbs /Yr	T2	T2L3	T3	T4I	T4F
Year 1	121.01	20.533	97.708	16.003	11.951
Year 2	107.95	17.306	79.189	15.355	7.8427
Year 3	0	0	0	0	0
Year 4	0	0	0	0	0

PM 10					
% Chng	T2	T2L3	T3	T4I	T4F
Year 1	100%	17%	81%	13%	10%
Year 2	100%	16%	73%	14%	7%
Year 3	0%	0%	0%	0%	0%
Year 4	0%	0%	0%	0%	0%

HARP Adjustment						
24	X	7	X	52	=	3.88
9		5		50		

Source: EMFAC2025 (v2.1.0) Emission Rates
Region Type: Sub-Area
Region: Napa (SF)
Calendar Year: 2027
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for Combustion VMT and Electric VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RUNLOSS, g/vehicle/day for IDLEX and DIURN.

Region	Calendar Y	Vehicle Cat	Model Yea	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	NOx_RUNEX	NOx_IDLEX	NOx_STREX	PM2.5_RUNEX	PM2.5_IDLEX	PM2.5_STREX	PM2.5_PMTW	PM2.5_PMBW	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_PMTW	PM10_PMBW	CO2_RUNEX	CO2_IDLEX	CO2_STREX	CH4_RUNEX	CH4_IDLEX	CH4_STREX	N2O_RUNEX	N2O_IDLEX	N2O_STREX	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_HOTSOAK	ROG_RUNLOSS	ROG_DIURN	TOG_RUNEX	TOG_IDLEX	TOG_STREX	TOG_HOTSOAK	TOG_RUNLOSS	TOG_DIURN	NH3_RUNEX	CO_RUNEX	CO_IDLEX	CO_STREX	SOx_RUNEX	SOx_IDLEX	SOx_STREX
Napa (SF)	2027	HHDT	Aggregate	Aggregate	Gasoline	0.84866	55.6442	55.6442	0	16.9799	4.10370309	0	0.000020725	0.000166641	0	2.73078E-05	0.005000001	0.04108263	0.000181237	0	2.97E-05	0.020000006	0.117378943	2540.95487	0	53.1220569	0.11519219	0	1.04535E-05	0.1630196	0	2.2873E-05	0.57065234	0	4.4642E-05	0.049775184	0.534380949	6.156384605	0.045	35.056626	0	2.69105097	0.010908389	0	0.00022806
Napa (SF)	2027	HHDT	Aggregate	Aggregate	Diesel	981.446	105039	105039	0	14124	0.99080499	28.6615243	2.30006915	0.914578553	0.016921163	0	0.038715748	0.027457728	0.01523773	0.017686575	0	0.034662991	0.078450652	1538.58589	11026.29	0	0.00066077	0.23195777	0	0.00473E-05	0.39428168	0	0.01642261	4.99437473	0	0	0	0	0.016195131	5.68571546	0	0	0	0	0.216859316	0.06462796	73.1520039	0	0.0050525	0.036208876	0
Napa (SF)	2027	LDA	Aggregate	Aggregate	Gasoline	32715	916974	916974	0	133319	0.09102488	0	0.217515258	0.002679169	0	0.002099034	0.020000001	0.002297651	0.002901168	0	0.00222784	0.008000002	0.006564716	301.314808	0	71.3691593	0.00915568	0	0.05774072	0.00747345	0	0.01912133	0.051153415	0	0.34238774	0.36534295	0.345146809	2.859241523	0.029797875	2.645757789	0	3.819369936	0.001293361	0	0.0003064
Napa (SF)	2027	LDA	Aggregate	Aggregate	Diesel	172.907	4098.46	4098.46	0	681.537	0.3405821	0	0	0.035159969	0	0	0.002000001	0.002357097	0.03720935	0	0	0.008000002	0.006734564	264.715192	0	0	0.00261746	0	0	0	0.04172035	0	0	0.05635227	0	0	0	0	0.064153131	0	0	0	0	0	0.003131	0.010535529	0	0.00086985	0	0
Napa (SF)	2027	LDT1	Aggregate	Aggregate	Gasoline	4787.35	120815	120815	0	17999.8	0.29412749	0	0.44642123	0.00377803	0	0.033398312	0.002000001	0.002985513	0.004092887	0	0.00369119	0.008000002	0.008530036	365.313751	0	93.2293587	0.01774482	0	0.11273434	0.01861265	0	0.03189807	0.090605189	0	0.74680828	0.509804649	0.755003463	4.59717458	0.118826571	0	0.81753673	0.509804649	0.755003463	4.59717458	0.034433504	4.15206964	0	7.72858338	0.001516837	0	0.00040025	0	0
Napa (SF)	2027	LDT1	Aggregate	Aggregate	Diesel	1.36702	23.7163	23.7163	0	3.63493	1.46080984	0	0	0.246730709	0	0	0.002000001	0.003263132	0.257886777	0	0	0.008000002	0.009323236	437.034557	0	0	0.0132676	0	0	0	0.00687869	0	0	0.28564371	0	0	0	0	0.325138637	0	0	0	0	0	0.000131	2.09161341	0	0.00143608	0	0
Napa (SF)	2027	LDT2	Aggregate	Aggregate	Gasoline	22437.7	760992	760992	0	103687	0.08161739	0	0.27071917	0.002356021	0	0.001910466	0.002000001	0.002783935	0.002558086	0	0.00207608	0.008000002	0.0079541	358.335716	0	85.5039922	0.00639429	0	0.05903001	0.00711817	0	0.0211618	0.028189324	0	0.34703553	0.172195753	0.273195883	1.995791441	0.030915576	2.335751826	0	3.160998209	0.001533842	0	0.0003670
Napa (SF)	2027	LDT2	Aggregate	Aggregate	Diesel	83.3693	2731.41	2731.41	0	391.804	0.0751306	0	0	0.008721274	0	0	0.002000001	0.002882056	0.009115611	0	0	0.008000002	0.008234446	342.161531	0	0	0.00124512	0	0	0	0.05392626	0	0	0.02680672	0	0	0	0	0.030151767	0	0	0	0	0	0.000131	0.28242522	0	0.00112433	0	0
Napa (SF)	2027	LHDT1	Aggregate	Aggregate	Gasoline	2450.62	83483	83483	0	35020.8	0.2343577	0.035118822	0.635659134	0.001753571	0	0.000307393	0.002000001	0.027300008	0.001907169	0	0.000334432	0.008000002	0.078000022	875.164124	113.988633	24.9548193	0.01197052	0.05295851	0.03715273	0.01705912	0.00189018	0.043320969	0.0534423	0.402385586	0.195540111	0.056028609	0.32189624	3.3963038	0.077982388	0.587130351	0.214091381	0.056028609	0.32189624	3.396303802	0.04497395	1.59556933	3.60241928	2.53300288	0.003758899	0.000489838	0.00010714
Napa (SF)	2027	LHDT1	Aggregate	Aggregate	Diesel	2114.44	70062.9	70062.9	0	25511.7	2.05214081	2.07781173	0	0.04322878	0.026116337	0	0.003000001	0.027300008	0.045183393	0.02734636	0	0.012000003	0.078000022	637.988795	128.067594	0	0.00878172	0.00493009	0	0.10055001	0	0	0.18906521	0.105280777	0	0	0	0.215238117	0.113815515	0	0	0	0	0.002195641	0.77660859	0.87262134	0	0.00209641	0.000420283	0
Napa (SF)	2027	LHDT2	Aggregate	Aggregate	Gasoline	398.097	15594.3	15594.3	0	6464.51	0.20854094	0.035351177	0.618465589	0.001585512	0	0.00025243	0.002000001	0.031850009	0.001724398	0	0.000027454	0.008000002	0.091000026	942.311268	145.8322389	24.5205544	0.01187437	0.0540052	0.03968051	0.01618938	0.00196038	0.042572223	0.05123688	0.405516803	0.210438118	0.03979933	0.263991026	2.713499538	0.04497385	1.89692813	4.099291.29	2.75954465	0.004045555	0.000624209	0.000105527
Napa (SF)	2027	LHDT2	Aggregate	Aggregate	Diesel	1198.08	50799.5	50799.5	0	16425.8	0.93640939	1.75115536	0	0.02707108	0.028926932	0	0.003000001	0.031850009	0.028295115	0.03023487	0	0.012000003	0.091000026	729.658166	219.8569	0	0.00643531	0.00555667	0	0.11499754	0	0	0.13854838	0.119631893	0	0	0	0.155772812	0.136192955	0	0	0	0	0.196388914	0.35283242	0.99157081	0	0.00239764	0.000722444	0
Napa (SF)	2027	MHDT	Aggregate	Aggregate	Gasoline	186.305	8992.28	8992.28	0	3727.6	0.56008015	0.08782726	0.478559124	0.001535382	0	0.000659933	0.003000001	0.015756104	0.001670086	0	0.000157774	0.012000003	0.04501744	1705.75156	525.756061	47.1810258	0.01972167	0.12475865	0.05345113	0.02912502	0.00451233	0.035962619	0.09438248	1.00429453	0.299563209	0.0477164	0.431484406	3.898227.49	0.04497278	2.06194975	15.01931107	6.6164284	0.00732317	0.002257.19	0.000302.56
Napa (SF)	2027	MHDT	Aggregate	Aggregate	Diesel	1519.32	54451.1	54451.1	0	17584.9	0.58475436	7.49110749	1.20680466	0.004240565	0.00593711	0	0.003000001	0.015808291	0.004432304	0.00620556	0	0.012000003	0.045166546	1133.93931	2180.18056	0	0.00060117	0.0090675	0	0.3919703	0	0	0.01294308	0.1952207	0	0	0	0.010473471	0.2222439	0	0	0	0	0.215615015	0.06337765	7.42120416	0	0.00372369	0.0071594	0

Source: EMFAC2025 (v2.1.0) Emission Rates
Region Type: Sub-Area
Region: Napa (SF)
Calendar Year: 2027
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for Combustion VMT and Electric VMT, g/mile for RUNEX, PMBW and PMTW, mph for Speed, gallon/mile for Fuel Consumption, kWh/mile for Energy Consumption, kg/mile for Hydrogen Consumption.

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VM	CVMT	EVMT	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX	NH3_RUNE	PM10_PMI	PM2.5_PM	Fuel Consu	Energy Cor	Hydrogen Consumption
Napa (SF)	2027	HHDT	Aggregate	5	Diesel	106.2	106.1976551	0	13.65095669	0.070782939	0.073983429	3367.110391	0.021891211	0.297878494	0.47131176	0.536552561	1.24225133	0.011057108	0.164426	0.150813	0.052784	0.33167	0	0
Napa (SF)	2027	HHDT	Aggregate	10	Diesel	943.89	943.8908714	0	4.833461128	0.016476095	0.017221071	2836.222995	0.005639069	0.368779959	0.121407599	0.138213309	0.614747988	0.00931375	0.203001	0.1466	0.05131	0.279376	0	0
Napa (SF)	2027	HHDT	Aggregate	15	Diesel	1901.5	1901.522905	0	2.74524305	0.007338559	0.007670377	2287.5763	0.002019361	0.381171397	0.043476296	0.049494454	0.324957352	0.007512073	0.209744	0.143474	0.050216	0.225333	0	0
Napa (SF)	2027	LDA	Aggregate	5	Diesel	37.66	37.66041772	0	0.344846983	0.127260391	0.133014541	629.0905945	0.016843223	0.099147616	0.36262467	0.412824078	5.072132074	0.002067175	0.0031	0.006186	0.002165	0.061967	0	0
Napa (SF)	2027	LDA	Aggregate	10	Diesel	70.899	70.89947873	0	0.333511875	0.090751922	0.094855322	524.0918459	0.012234376	0.082599323	0.263398912	0.29986215	3.764098695	0.001722152	0.0031	0.00765	0.002677	0.051625	0	0
Napa (SF)	2027	LDA	Aggregate	15	Diesel	126.91	126.911649	0	0.30842586	0.067307646	0.070350999	431.0640519	0.007167164	0.067937708	0.154304814	0.175665772	1.996032717	0.001416465	0.0031	0.009106	0.003187	0.042461	0	0
Napa (SF)	2027	LDT1	Aggregate	5	Diesel	0.2179	0.217926645	0	0.992167105	0.923192045	0.964934693	1025.558561	0.049643381	0.161632819	1.068792764	1.216749503	5.239252046	0.003369959	0.0031	0.009778	0.003422	0.101021	0	0
Napa (SF)	2027	LDT1	Aggregate	10	Diesel	0.4103	0.410268565	0	1.044017782	0.642671149	0.671729886	863.2808671	0.034558756	0.136057097	0.744029671	0.847028314	3.721174952	0.002836719	0.0031	0.012166	0.004258	0.085036	0	0
Napa (SF)	2027	LDT1	Aggregate	15	Diesel	0.7344	0.734389887	0	1.097178266	0.468171383	0.489340015	715.8021148	0.025175271	0.112813757	0.542008772	0.617040951	2.78332976	0.002352107	0.0031	0.014566	0.005098	0.070509	0	0
Napa (SF)	2027	LDT2	Aggregate	5	Diesel	25.099	25.09867621	0	0.183003926	0.026105394	0.027285764	802.9266361	0.013736102	0.126544988	0.295730181	0.336669149	3.222950608	0.002638396	0.0031	0.008636	0.003023	0.079091	0	0
Napa (SF)	2027	LDT2	Aggregate	10	Diesel	47.251	47.25075206	0	0.158672548	0.020546218	0.021475227	675.8767652	0.010217832	0.106521335	0.219983904	0.250437049	2.407194485	0.002220914	0.0031	0.010745	0.003761	0.066576	0	0
Napa (SF)	2027	LDT2	Aggregate	15	Diesel	84.58	84.57990057	0	0.118180438	0.01628201	0.017018211	560.4132286	0.005196132	0.088323742	0.111869671	0.127356183	1.201773297	0.001841503	0.0031	0.012865	0.004503	0.055202	0	0
Napa (SF)	2027	LHDT1	Aggregate	5	Diesel	1466.6	1466.610308	0	2.476322864	0.100291366	0.104826096	1196.599981	0.020166496	0.188589746	0.434172778	0.494276842	1.917008993	0.003931997	0.161283	0.078	0.0273	0.117869	0	0
Napa (SF)	2027	LHDT1	Aggregate	10	Diesel	3754	3754.026723	0	2.324386795	0.080523953	0.084164889	1035.741767	0.016160957	0.16323774	0.347935887	0.396101875	1.530494628	0.003403421	0.161283	0.078	0.0273	0.102024	0	0
Napa (SF)	2027	LHDT1	Aggregate	15	Diesel	9451.9	9451.869218	0	2.199461611	0.065529616	0.068492574	861.7301101	0.01320209	0.13581269	0.284233218	0.323580622	1.231087008	0.002831623	0.161283	0.078	0.0273	0.084883	0	0
Napa (SF)	2027	LHDT2	Aggregate	5	Diesel	1063.4	1063.374955	0	1.357995723	0.058044363	0.060668872	1331.918891	0.012881569	0.209916639	0.277332588	0.315724713	0.879922917	0.004376651	0.196389	0.091	0.03185	0.131198	0	0
Napa (SF)	2027	LHDT2	Aggregate	10	Diesel	2721.9	2721.8805	0	1.225426181	0.048324726	0.050509755	1161.718538	0.010932724	0.183092268	0.235375115	0.267958919	0.713962985	0.003817377	0.196389	0.091	0.03185	0.114433	0	0
Napa (SF)	2027	LHDT2	Aggregate	15	Diesel	6853.1	6853.136755	0	1.111858637	0.040414639	0.042242009	996.8561866	0.009359668	0.157109191	0.201508138	0.229403618	0.579566901	0.003275644	0.196389	0.091	0.03185	0.098193	0	0
Napa (SF)	2027	MHDT	Aggregate	5	Diesel	100.18	100.1802259	0	9.30869402	0.054405095	0.056865052	2421.674411	0.018295875	0.278504418	0.393905162	0.448431042	0.640232553	0.007952432	0.154053	0.061496	0.021524	0.238542	0	0
Napa (SF)	2027	MHDT	Aggregate	10	Diesel	1389.5	1389.459578	0	1.882489023	0.009986491	0.010438035	1969.558632	0.003982697	0.381744173	0.085746384	0.097615731	0.255972168	0.006467748	0.210099	0.061496	0.021524	0.194007	0	0
Napa (SF)	2027	MHDT	Aggregate	15	Diesel	2439.7	2439.683026	0	0.994244368	0.004919864	0.005142319	1542.216691	0.00154995	0.390675299	0.033369993	0.037989197	0.143081267	0.005064419	0.214948	0.061496	0.021524	0.151913	0	0

	Daily Trips				
	411				
	Passenger Vehicles	2-Axle Trks	3-Axle Trks	4-Axle Trks	Total
Percentage	77.5%	0.5%	6.3%	15.7%	100%
# Daily Vehicles	318.60	1.89	25.91	64.50	411
# Annual Vehicles	116,289	690	9,457	23,544	149,980

Truck Travel

Onsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	690	2.0%	5.55E-01
3-Axle Trks	9,457	28.1%	5.03E-01
4-Axle Trks	23,544	69.9%	1.71E+00
Total	33,691	100%	---

DPM Lbs/ Yr	ONSI_C1	ONSI_C2	ONSI_C3	ONSI_C4	ONSI_C5	ONSI_C6	Total
Distance (m)	63.1	41.3	45.1	56.8	27.9	23.6	257.8
%	0%	0%	0%	0%	0%	0%	0%
2-Axle Trks	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3-Axle Trks	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4-Axle Trks	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Offsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	690	2.0%	5.59E-02
3-Axle Trks	9,457	28.1%	9.24E-02
4-Axle Trks	23,544	69.9%	7.91E-01
Total	33,691	100%	---

DPM Lbs/ Yr	IN_3	OUT_5	OUT_4	IN_2			Total
Gas Only	N	N	N	N	N	N	
Distance (m)	1834.3	1860	726	755.5	0	0	5175.8
%	50%	50%	50%	50%	0%	0%	200%
2-Axle Trks	3.18E-02	3.23E-02	1.26E-02	1.31E-02	0.00E+00	0.00E+00	8.98E-02
3-Axle Trks	5.27E-02	5.34E-02	2.08E-02	2.17E-02	0.00E+00	0.00E+00	1.49E-01
4-Axle Trks	4.51E-01	4.57E-01	1.78E-01	1.86E-01	0.00E+00	0.00E+00	1.27E+00
Total	5.35E-01	5.43E-01	2.12E-01	2.20E-01	0.00E+00	0.00E+00	1.51E+00

Truck Idle

# of Idling Pts	12											
Truck Idling						Idle						Total
Category	# of Trucks / Yr	Idle EF (lbs /Idle-Event)	Time (Hr)	Lbs/ Yr	Lbs / Yr /Unit	12	0	0	0	0	0	12
2-Axle Trks	690	6.35E-05	0.25	1.09E-02	9.12E-04	1.09E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-02
3-Axle Trks	9,457	1.37E-05	0.25	3.23E-02	2.70E-03	3.23E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-02
4-Axle Trks	23,544	3.90E-05	0.25	2.30E-01	1.91E-02	2.30E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-01
Total	33,691	--	--	2.73E-01	2.27E-02	2.27E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-01

TRUs

Percent of Trucks	0		# of Units	1	
Onsite TRU Emissions					
Category	Percentage	# of TRUs / Yr	Time (Hr)	*DPM EF (lbs/Event)	Emissions (lb/Yr)
2-Axle Trks	15.5	0	0.50	4.19E-03	0.00
3-Axle Trks	4.9	0			0.00
4-Axle Trks	24.3	0			0.00
Total	45	0	Emission/Unit		0.00

* TRU EF * BHP * Load factor * Time in hours

Vehicle Emissions

Vehicle Travel Percentage / Count			
Category	# of Vehicles / Yr	% LDA	% LDT
Passenger Vehicles	116,289	51%	48.99%
# Vehicles		59,320	56,969

Category	TOG Exhaust EF (lb/Mile)	TOG Runloss EF (lb/Mile)
LDA	1.39E-04	7.61E-04
LDT	1.61E-04	1.01E-03

CARB TOG Speciation Profile Run Exhaust			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
75070	Acetaldehyde	2.80E-03	2.30E-02	2.56E-02
107028	Acrolein	1.30E-03	1.07E-02	1.19E-02
71432	Benzene	2.47E-02	2.03E-01	2.26E-01
106990	1,3-Butadiene	5.50E-03	4.52E-02	5.04E-02
100414	Ethylbenzene	1.05E-02	8.63E-02	9.61E-02
50000	Formaldehyde	1.58E-02	1.30E-01	1.45E-01
110543	Hexane	1.60E-02	1.32E-01	1.46E-01
67561	Methanol	1.20E-03	9.87E-03	1.10E-02
78933	Methyl Ethyl Ketone	2.00E-04	1.64E-03	1.83E-03
91203	Naphthalene	5.00E-04	4.11E-03	4.58E-03
115071	Propylene	3.06E-02	2.52E-01	2.80E-01
100425	Styrene	1.20E-03	9.87E-03	1.10E-02
108883	Toluene	5.76E-02	4.74E-01	5.27E-01
1330207	Xylenes	4.80E-02	3.95E-01	4.39E-01
9901	Diesel	2.68E-02	3.50E+00	3.36E+00

CARB TOG Speciation Profile Evaporative Losses			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
71432	Benzene	3.600E-03	2.96E-02	3.30E-02
100414	Ethylbenzene	1.180E-03	9.70E-03	1.08E-02
110543	Hexane	1.540E-02	1.27E-01	1.41E-01
108883	Toluene	1.700E-02	1.40E-01	1.56E-01
1330207	Xylenes	5.780E-03	4.75E-02	5.29E-02

Vehicle Emissions Travel Summary

Emissions Summary				Source Col	1		2		3		4		5		6		7		8		9		10		11		12			
				Vehicles	ONSI_C1		ONSI_C2		ONSI_C3		ONSI_C4		ONSI_C5		ONSI_C6		IN_3		OUT_5		OUT_4		IN_2		0		0		Total Percentage	Total Distance
				Cars	25%		25%		25%		25%		50%		50%		50%		50%		50%		50%		0%		0%			
					25.00%		25.00%		25.00%		25.00%		50.00%		50.00%		50.00%		50.00%		50.00%		50.00%		0.00%		0.00%		400.00%	5433.6
				Trucks	25%		25%		25%		25%		50%		50%		50%		50%		50%		50%		0%		0%			
					25.00%		25.00%		25.00%		25.00%		50.00%		50.00%		50.00%		50.00%		50.00%		50.00%		0.00%		0.00%			
CAS#	Chemical Name	Lbs/mi/Hr	Lbs/mi/ Yr		Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr
75070	Acetaldehyde	1.62E-05	4.87E-02		1.59E-07	3.58E-04	1.04E-07	3.12E-04	1.14E-07	3.41E-04	1.43E-07	4.29E-04	1.41E-07	4.22E-04	1.19E-07	3.57E-04	9.25E-06	2.77E-02	9.38E-06	2.81E-02	3.66E-06	1.10E-02	3.81E-06	1.14E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-05	8.05E-02
107028	Acrolein	7.53E-06	2.26E-02		7.38E-08	1.66E-04	4.83E-08	1.45E-04	5.28E-08	1.58E-04	6.65E-08	1.99E-04	6.53E-08	1.96E-04	5.52E-08	1.66E-04	4.29E-06	1.29E-02	4.35E-06	1.31E-02	1.70E-06	5.10E-03	1.77E-06	5.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	3.74E-02
71432	Benzene	1.64E-04	4.92E-01		1.61E-06	3.62E-03	1.05E-06	3.16E-03	1.15E-06	3.45E-03	1.45E-06	4.34E-03	1.42E-06	4.26E-03	1.20E-06	3.61E-03	9.34E-05	2.80E-01	9.48E-05	2.84E-01	3.70E-05	1.11E-01	3.85E-05	1.15E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	8.13E-01
106990	1,3-Butadiene	3.19E-05	9.56E-02		3.12E-07	7.03E-04	2.04E-07	6.13E-04	2.23E-07	6.70E-04	2.81E-07	8.44E-04	2.76E-07	8.29E-04	2.34E-07	7.01E-04	1.82E-05	5.45E-02	1.84E-05	5.52E-02	7.19E-06	2.16E-02	7.48E-06	2.24E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-05	1.58E-01
100414	Ethylbenzene	6.77E-05	2.03E-01		6.63E-07	1.49E-03	4.34E-07	1.30E-03	4.74E-07	1.42E-03	5.97E-07	1.79E-03	5.87E-07	1.76E-03	4.96E-07	1.49E-03	3.86E-05	1.16E-01	3.91E-05	1.17E-01	1.53E-05	4.58E-02	1.59E-05	4.77E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	3.36E-01
50000	Formaldehyde	9.15E-05	2.75E-01		8.97E-07	2.02E-03	5.87E-07	1.76E-03	6.41E-07	1.92E-03	8.08E-07	2.42E-03	7.94E-07	2.38E-03	6.71E-07	2.01E-03	5.22E-05	1.57E-01	5.29E-05	1.59E-01	2.06E-05	6.19E-02	2.15E-05	6.45E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	4.54E-01
110543	Hexane	1.82E-04	5.46E-01		1.78E-06	4.01E-03	1.17E-06	3.50E-03	1.27E-06	3.82E-03	1.61E-06	4.82E-03	1.58E-06	4.73E-03	1.33E-06	4.00E-03	1.04E-04	3.11E-01	1.05E-04	3.15E-01	4.10E-05	1.23E-01	4.27E-05	1.28E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-04	9.03E-01
67561	Methanol	6.95E-06	2.09E-02		6.82E-08	1.53E-04	4.46E-08	1.34E-04	4.87E-08	1.46E-04	6.14E-08	1.84E-04	6.03E-08	1.81E-04	5.10E-08	1.53E-04	3.96E-06	1.19E-02	4.02E-06	1.21E-02	1.57E-06	4.71E-03	1.63E-06	4.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	3.45E-02
78933	Methyl Ethyl Ketone	1.16E-06	3.48E-03		1.14E-08	2.56E-05	7.43E-09	2.23E-05	8.12E-09	2.44E-05	1.02E-08	3.07E-05	1.00E-08	3.01E-05	8.50E-09	2.55E-05	6.60E-07	1.98E-03	6.70E-07	2.01E-03	2.61E-07	7.84E-04	2.72E-07	8.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-06	5.75E-03
91203	Naphthalene	2.90E-06	8.69E-03		2.84E-08	6.39E-05	1.86E-08	5.58E-05	2.03E-08	6.09E-05	2.56E-08	7.67E-05	2.51E-08	7.53E-05	2.12E-08	6.37E-05	1.65E-06	4.95E-03	1.67E-06	5.02E-03	6.53E-07	1.96E-03	6.80E-07	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-06	1.44E-02
115071	Propylene	1.77E-04	5.32E-01		1.74E-06	3.91E-03	1.14E-06	3.41E-03	1.24E-06	3.73E-03	1.56E-06	4.69E-03	1.54E-06	4.61E-03	1.30E-06	3.90E-03	1.01E-04	3.03E-01	1.02E-04	3.07E-01	4.00E-05	1.20E-01	4.16E-05	1.25E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	8.80E-01
100425	Styrene	6.95E-06	2.09E-02		6.82E-08	1.53E-04	4.46E-08	1.34E-04	4.87E-08	1.46E-04	6.14E-08	1.84E-04	6.03E-08	1.81E-04	5.10E-08	1.53E-04	3.96E-06	1.19E-02	4.02E-06	1.21E-02	1.57E-06	4.71E-03	1.63E-06	4.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	3.45E-02
108883	Toluene	4.32E-04	1.30E+00		4.24E-06	9.53E-03	2.77E-06	8.32E-03	3.03E-06	9.09E-03	3.81E-06	1.14E-02	3.75E-06	1.12E-02	3.17E-06	9.51E-03	2.46E-04	7.39E-01	2.50E-04	7.49E-01	9.75E-05	2.92E-01	1.01E-04	3.04E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-04	2.14E+00
1330207	Xylenes	3.12E-04	9.35E-01		3.05E-06	6.87E-03	2.00E-06	6.00E-03	2.18E-06	6.55E-03	2.75E-06	8.25E-03	2.70E-06	8.10E-03	2.28E-06	6.85E-03	1.78E-04	5.33E-01	1.80E-04	5.40E-01	7.03E-05	2.11E-01	7.31E-05	2.19E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	1.55E+00
9901	Diesel	2.29E-03	6.86E+00		2.24E-05	6.73E-02	1.47E-05	4.41E-02	1.60E-05	4.81E-02	2.02E-05	6.06E-02	1.98E-05	5.95E-02	1.68E-05	5.03E-02	1.30E-03	4.45E+00	1.32E-03	4.51E+00	5.16E-04	1.76E+00	5.37E-04	1.83E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-03	1.29E+01

	Daily Trips				
	411				
	Passenger Vehicles	2-Axle Trks	3-Axle Trks	4-Axle Trks	Total
Percentage	77.5%	0.5%	6.3%	15.7%	100%
# Daily Vehicles	318.60	1.89	25.91	64.50	410.90502
# Annual Vehicles	116,289	690	9,457	23,544	149,980

Truck Travel

Onsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	690	2.0%	5.01E-02
3-Axle Trks	9,457	28.1%	7.62E+00
4-Axle Trks	23,544	69.9%	1.25E+00
Total	33,691	100%	---

DPM Lbs/ Yr	IN_1	OUT_1	OUT_2	OUT_3			Total
Distance (m)	874.6	431.2	90.1	650.4	0	0	2046.3
5	100%	100%	100%	100%	0%	0%	400%
2-Axle Trks	2.72E-02	1.34E-02	2.81E-03	2.03E-02	0.00E+00	0.00E+00	4.07E-02
3-Axle Trks	4.14E+00	2.04E+00	4.26E-01	3.08E+00	0.00E+00	0.00E+00	6.18E+00
4-Axle Trks	6.81E-01	3.36E-01	7.02E-02	5.07E-01	0.00E+00	0.00E+00	1.02E+00
Total	4.85E+00	2.39E+00	4.99E-01	3.61E+00	0.00E+00	0.00E+00	7.24E+00

Offsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	690	2.0%	5.59E-02
3-Axle Trks	9,457	28.1%	9.24E-02
4-Axle Trks	23,544	69.9%	7.91E-01
Total	33,691	100%	---

DPM Lbs/ Yr							Total
Gas Only	N	N	N	N	N	N	
Distance (m)	0	0	0	0	0	0	0
%	0%	0%	0%	0%	0%	0%	0%
2-Axle Trks	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3-Axle Trks	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4-Axle Trks	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Truck Idle

# of Idling Pts	1

Truck Idling						Idle							Total
Category	# of Trucks / Yr	Idle EF (lbs / Event)	Time (Hr)	Lbs/ Yr	Lbs / Yr /Unit	0	0	0	0	0	0	0	0
2-Axle Trks	690	6.35E-05	0.25	1.09E-02	1.09E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3-Axle Trks	9,457	1.37E-05	0.25	3.23E-02	3.23E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4-Axle Trks	23,544	3.90E-05	0.25	2.30E-01	2.30E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total	33,691	--	--	2.73E-01	2.73E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TRUs

Percent of Trucks	0	# of Units	1

Onsite TRU Emissions					
Category	Percentage	# of TRUs / Yr	Time (Hr)	*DPM EF (lbs/Event)	Emissions (lb/Yr)
2-Axle Trks	15.5	0	0.25	2.09E-03	0.00
3-Axle Trks	4.9	0			0.00
4-Axle Trks	24.3	0			0.00
Total	45	0	Emission/Unit		0.00

* TRU EF * BHP * Load factor * Time in hours

Vehicle Emissions

Vehicle Travel Percentage / Count			
Category	# of Vehicles / Yr	% LDA	% LDT
Passenger Vehicles	116,289	51%	48.99%
# Vehicles		59,320	56,969

Category	TOG Exhaust EF (lb/Mile)	TOG Runloss EF (lb/Mile)
LDA	1.39E-04	7.61E-04
LDT	1.61E-04	1.01E-03

CARB TOG Speciation Profile Run Exhaust			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
75070	Acetaldehyde	2.80E-03	2.30E-02	2.56E-02
107028	Acrolein	1.30E-03	1.07E-02	1.19E-02
71432	Benzene	2.47E-02	2.03E-01	2.26E-01
106990	1,3-Butadiene	5.50E-03	4.52E-02	5.04E-02
100414	Ethylbenzene	1.05E-02	8.63E-02	9.61E-02
50000	Formaldehyde	1.58E-02	1.30E-01	1.45E-01
110543	Hexane	1.60E-02	1.32E-01	1.46E-01
67561	Methanol	1.20E-03	9.87E-03	1.10E-02
78933	Methyl Ethyl Ketone	2.00E-04	1.64E-03	1.83E-03
91203	Naphthalene	5.00E-04	4.11E-03	4.58E-03
115071	Propylene	3.06E-02	2.52E-01	2.80E-01
100425	Styrene	1.20E-03	9.87E-03	1.10E-02
108883	Toluene	5.76E-02	4.74E-01	5.27E-01
1330207	Xylenes	4.80E-02	3.95E-01	4.39E-01
9901	Diesel	2.68E-02	3.50E+00	3.36E+00

CARB TOG Speciation Profile Evaporative Losses			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
71432	Benzene	3.600E-03	2.96E-02	3.30E-02
100414	Ethylbenzene	1.180E-03	9.70E-03	1.08E-02
110543	Hexane	1.540E-02	1.27E-01	1.41E-01
108883	Toluene	1.700E-02	1.40E-01	1.56E-01
1330207	Xylenes	5.780E-03	4.75E-02	5.29E-02

Vehicle Emissions Travel Summary

Source Col		1		2		3		4		5		6		7		8		9		10		11		12			
Emissions Summary	Vehicles	IN_1		OUT_1		OUT_2		OUT_3		0		0		0		0		0		0		0		0		Total Percentage	Total Distance
	Cars	50%		0%		0%		50%		0%		0%		0%		0%		0%		0%		0%		0%		100.00%	2046.3
		50.00%		0.00%		0.00%		50.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%			
	Trucks	50%		0.00%		0.00%		50%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%			
		50.00%		0.00%		0.00%		50.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%			
CAS#	Chemical Name	Lbs/mi/Hr	Lbs/mi/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr
75070	Acetaldehyde	1.62E-05	4.87E-02	8.11E-06	2.43E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-06	2.43E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05	4.87E-02
107028	Acrolein	7.53E-06	2.26E-02	3.77E-06	1.13E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-06	1.13E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-06	2.26E-02
71432	Benzene	1.64E-04	4.92E-01	8.20E-05	2.46E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-05	2.46E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	4.92E-01
106990	1,3-Butadiene	3.19E-05	9.56E-02	1.59E-05	4.78E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	4.78E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-05	9.56E-02
100414	Ethylbenzene	6.77E-05	2.03E-01	3.38E-05	1.01E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05	1.01E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-05	2.03E-01
50000	Formaldehyde	9.15E-05	2.75E-01	4.58E-05	1.37E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-05	1.37E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.15E-05	2.75E-01
110543	Hexane	1.82E-04	5.46E-01	9.10E-05	2.73E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-05	2.73E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	5.46E-01
67561	Methanol	6.95E-06	2.09E-02	3.48E-06	1.04E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-06	1.04E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-06	2.09E-02
78933	Methyl Ethyl Ketone	1.16E-06	3.48E-03	5.79E-07	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-07	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-06	3.48E-03
91203	Naphthalene	2.90E-06	8.69E-03	1.45E-06	4.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-06	4.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-06	8.69E-03
115071	Propylene	1.77E-04	5.32E-01	8.86E-05	2.66E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-05	2.66E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	5.32E-01
100425	Styrene	6.95E-06	2.09E-02	3.48E-06	1.04E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-06	1.04E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-06	2.09E-02
108883	Toluene	4.32E-04	1.30E+00	2.16E-04	6.48E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-04	6.48E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	1.30E+00
1330207	Xylenes	3.12E-04	9.35E-01	1.56E-04	4.67E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-04	4.67E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	9.35E-01
9901	Diesel	2.29E-03	6.86E+00	1.14E-03	8.28E+00	0.00E+00	2.39E+00	0.00E+00	4.99E-01	1.14E-03	7.04E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-03	1.82E+01

Totals		
Vehicle Type	**Daily Vehicles**	**% Vehicles**
Trips/Unit (Cars)	318.60	77.5%
Trips/Unit (2-Axle Trucks)	1.89	0.5%
Trips/Unit (3-Axle Trucks)	25.91	6.3%
Trips/Unit (4+ Axle Trucks)	64.50	15.7%
Total Vehicles	410.91	100%

Warehouse TSF	0	**Daily Vehicles**
Land Use	150	Warehousing
Trips/Unit (Cars)	1.026	0.00
Trips/Unit (2-Axle Trucks)	0.014	0.00
Trips/Unit (3-Axle Trucks)	0.192	0.00
Trips/Unit (4+ Axle Trucks)	0.478	0.00
Trips/Unit (Total Trucks)	0.684	
Total Vehicles	1.71	0

TSF = thousand square-feet

The trip generation was developed based on the Institute of Transportation Engineers (ITE) Trip Generation Manual (11th edition) rates for Land Use 150 – "Warehousing." The resulting trips were converted to trucks and passenger vehicles based on the South Coast Air Quality Management District (SCAQMD) recommendations for warehousing projects. As such, 40 percent of project traffic will be trucks. Based on Vehicle Mix from the SCAQMD, as mentioned in the Traffic Impact Analysis (TIA) Guidelines, the truck mix was considered as 70% 4-axle, 28% 3-axle, and 2% 2-axle trucks.

Office TSF	23.007
Trips/Unit (Cars)	180.14

Trip rates referenced from the Institute of Transportation Engineers (ITE) Trip Generation Manual, 12th Edition.

Land Use Code 710 - General Office Building

ADT: Ln(T) = 0.87Ln(X) + 3.05;

TSF	**0**	**0**	**0**	**130.373**	**0**
Land Use	**General Light Industrial[1]**	**Mini-Warehouse[2]**	**High-Cube Transload and Short-Term Storage[3]**	**High-Cube Fulfillment Center Warehouse[4]**	**High-Cube Cold Storage Warehouse[5]**
ITE Code	110	151	154	155	157
Total Vehicles	4.87	1.45	1.4	1.77	2.12
Trips/Unit (Cars)	2.922	0.87	0.84	1.062	1.272
Trips/Unit (2-Axle Trucks)	0.04	0.01	0.01	0.01	0.02
Trips/Unit (3-Axle Trucks)	0.55	0.16	0.16	0.20	0.24
Trips/Unit (4+ Axle Trucks)	1.36	0.41	0.39	0.49	0.59
Trips/Unit (Total Trucks)	1.948	0.58	0.56	0.708	0.848

[1] Trip rate from the Institute of Transportation Engineers, Trip Generation, 11th Edition, 2021 - Land Use Code 110 - General Light Industrial

[2] Trip rate from the Institute of Transportation Engineers, Trip Generation, 11th Edition, 2021 - Land Use Code 151 - Mini-Warehouse

[3] Trip rate from the Institute of Transportation Engineers, Trip Generation, 11th Edition, 2021 - Land Use Code 154 - High-Cube Transload and Short-Term Storage

[4] Trip rate from the Institute of Transportation Engineers, Trip Generation, 12th Edition - Land Use Code 155 - High-Cube Fulfillment Center Warehouse

[5] Trip rate from the Institute of Transportation Engineers, Trip Generation, 11th Edition, 2021 - Land Use Code 157 - High-Cube Cold Storage Warehouse

The resulting trips were converted to trucks and passenger vehicles based on the South Coast Air Quality Management District (SCAQMD) recommendations for warehousing projects. As such, 40 percent of project traffic will be trucks. Based on Vehicle Mix from the SCAQMD, as mentioned in the Traffic Impact Analysis (TIA) Guidelines, the truck mix was considered as 70% 4-axle, 28% 3-axle, and 2% 2-axle trucks.

	Daily Vehicles					
Land Use	**General Light Industrial[1]**	**Mini-Warehouse[2]**	**High-Cube Transload and Short-Term Storage[3]**	**High-Cube Fulfillment Center Warehouse[4]**	**High-Cube Cold Storage Warehouse[5]**	**Total**
Total Vehicles	0.00	0.00	0.00	230.76	0.00	230.76
Trips/Unit (Cars)	0.00	0.00	0.00	138.46	0.00	138.46
Trips/Unit (2-Axle Trucks)	0.00	0.00	0.00	1.89	0.00	1.89
Trips/Unit (3-Axle Trucks)	0.00	0.00	0.00	25.91	0.00	25.91
Trips/Unit (4+ Axle Trucks)	0.00	0.00	0.00	64.50	0.00	64.50
Trips/Unit (Total Trucks)	0.00	0.00	0.00	92.30	0.00	92.30

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 5/15/2026
** File: D:\LSA\2026\20252510\Construction\Construction.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE D:\LSA\2026\20252510\Construction\Construction.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   POLLUTID OTHER
   RUNORNOT RUN
   ERRORFIL Construction.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION CONST        AREAPOLY   563092.711  4234864.352        5.600
** Source Parameters **
   SRCPARAM CONST        0.0000361797     3.048         6
   AREAVERT CONST        563092.711 4234864.352 563112.130 4234643.840
   AREAVERT CONST        563216.129 4234650.744 563223.897 4234668.437
   AREAVERT CONST        563209.225 4234901.033 563144.064 4234886.792

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Const"
** WeekDays:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT CONST        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP CONST    CONST
SO FINISHED
**
```

```
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED Construction.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\NAPA_COLLEGE_2013-2017.SFC
   PROFFILE ..\NAPA_COLLEGE_2013-2017.PFL
   SURFDATA 93227 2013
   UAIRDATA 23230 2013 OAKLAND/WSO_AP
   SITEDATA 4902 2013
   PROFBASE 4.3 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 CONST 1ST Construction.AD\01H1G001.PLT 31
   PLOTFILE PERIOD CONST Construction.AD\PE00G001.PLT 32
   SUMMFILE Construction.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 MX W403      83       PFLCNV: Turbulence data is being used w/o ADJ_U* option       SigA Data

 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***

- -

** Model Options Selected:
     * Model Uses Regulatory DEFAULT Options
     * Model Is Setup For Calculation of Average CONCentration Values.
     * NO GAS DEPOSITION Data Provided.
     * NO PARTICLE DEPOSITION Data Provided.
     * Model Uses NO DRY DEPLETION. DDPLETE = F
     * Model Uses NO WET DEPLETION. WETDPLT = F
     * Stack-tip Downwash.
     * Model Accounts for ELEVated Terrain Effects.
     * Use Calms Processing Routine.
     * Use Missing Data Processing Routine.
     * No Exponential Decay.
     * Model Uses RURAL Dispersion Only.
     * TEMP_Sub - Meteorological data includes TEMP substitutions
     * Model Assumes No FLAGPOLE Receptor Heights.
     * The User Specified a Pollutant Type of: OTHER

**Model Calculates 1 Short Term Average(s) of: 1-HR
    and Calculates PERIOD Averages

**This Run Includes: 1 Source(s);   1 Source Group(s); and   6305 Receptor(s)

               with: 0 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 0 VOLUME source(s)
                and: 1 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 RLINE/RLINEXT source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with a total of   0 line(s)
                and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 18081

**Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   4.30 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   4.2 MB of RAM.

**Input Runstream File: aermod.inp

```
**Output Print File:             aermod.out

**Detailed Error/Message File:   Construction.err
**File for Summary of Results:   Construction.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
CONST	0	0.36180E-04	563092.7	4234864.4	5.6	3.05	6	0.00	NO	HRDOW	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
CONST	CONST ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = CONST ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

```
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\NAPA_COLLEGE_2013-2017.SFC Met Version: 18081
Profile file: ..\NAPA_COLLEGE_2013-2017.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 93227 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2013 Year: 2013

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
13	01	01	1	01	-13.3	0.192	-9.000	-9.000	-999.	201.	48.2	0.19	1.95	1.00	2.40	32.	10.0	275.1	6.4
13	01	01	1	02	-5.8	0.091	-9.000	-9.000	-999.	71.	11.7	0.19	1.95	1.00	1.80	14.	10.0	275.1	6.4
13	01	01	1	03	-11.1	0.189	-9.000	-9.000	-999.	197.	55.8	0.19	1.95	1.00	2.30	22.	10.0	275.4	6.4
13	01	01	1	04	-7.5	0.129	-9.000	-9.000	-999.	112.	26.0	0.19	1.95	1.00	1.90	17.	10.0	275.9	6.4
13	01	01	1	05	-6.1	0.104	-9.000	-9.000	-999.	81.	17.1	0.19	1.95	1.00	1.80	26.	10.0	276.6	6.4
13	01	01	1	06	-11.3	0.163	-9.000	-9.000	-999.	158.	35.1	0.19	1.95	1.00	2.20	13.	10.0	276.8	6.4
13	01	01	1	07	-11.3	0.111	-9.000	-9.000	-999.	89.	11.0	0.19	1.95	1.00	2.20	10.	10.0	276.4	6.4
13	01	01	1	08	-13.4	0.121	-9.000	-9.000	-999.	101.	12.0	0.19	1.95	1.00	2.40	30.	10.0	276.8	6.4
13	01	01	1	09	4.5	0.201	0.175	0.005	43.	216.	-164.1	0.19	1.95	0.41	1.90	29.	10.0	277.9	6.4
13	01	01	1	10	62.4	0.237	0.651	0.005	161.	277.	-19.5	0.19	1.95	0.28	1.90	10.	10.0	280.9	6.4
13	01	01	1	11	108.5	0.405	1.152	0.007	516.	619.	-55.9	0.19	1.95	0.23	3.60	356.	10.0	282.6	6.4
13	01	01	1	12	133.0	0.465	1.478	0.008	887.	761.	-69.2	0.19	1.95	0.22	4.20	13.	10.0	284.4	6.4
13	01	01	1	13	143.5	0.467	1.541	0.007	932.	767.	-64.9	0.19	1.95	0.22	4.20	37.	10.0	285.9	6.4
13	01	01	1	14	125.9	0.455	1.496	0.006	969.	737.	-68.1	0.19	1.95	0.23	4.10	27.	10.0	286.9	6.4
13	01	01	1	15	82.7	0.399	1.311	0.005	993.	607.	-69.8	0.19	1.95	0.26	3.60	21.	10.0	287.4	6.4
13	01	01	1	16	22.8	0.330	0.855	0.005	1000.	458.	-143.5	0.19	1.95	0.34	3.10	27.	10.0	287.6	6.4
13	01	01	1	17	-6.9	0.091	-9.000	-9.000	-999.	160.	9.9	0.19	1.95	0.58	1.80	78.	10.0	286.5	6.4
13	01	01	1	18	-5.9	0.081	-9.000	-9.000	-999.	58.	8.1	0.19	1.95	1.00	1.60	33.	10.0	283.0	6.4
13	01	01	1	19	-1.6	0.041	-9.000	-9.000	-999.	20.	3.9	0.12	1.95	1.00	0.90	141.	10.0	279.9	6.4
13	01	01	1	20	-2.4	0.050	-9.000	-9.000	-999.	27.	4.7	0.12	1.95	1.00	1.10	151.	10.0	278.1	6.4
13	01	01	1	21	-1.6	0.041	-9.000	-9.000	-999.	20.	3.9	0.12	1.95	1.00	0.90	122.	10.0	276.5	6.4
13	01	01	1	22	-3.9	0.066	-9.000	-9.000	-999.	40.	6.5	0.19	1.95	1.00	1.30	24.	10.0	275.5	6.4
13	01	01	1	23	-4.6	0.071	-9.000	-9.000	-999.	45.	7.0	0.19	1.95	1.00	1.40	23.	10.0	275.0	6.4
13	01	01	1	24	-4.6	0.071	-9.000	-9.000	-999.	45.	7.0	0.19	1.95	1.00	1.40	22.	10.0	274.2	6.4

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
13	01	01	01	6.4	0	-999.	-99.00	275.2	999.0	-99.00	-99.00
13	01	01	01	10.0	1	32.	2.40	-999.0	12.5	-99.00	0.51

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)					OF TYPE	NETWORK GRID-ID
CONST	1ST HIGHEST VALUE IS	22.20991 AT	(563076.51,	4234669.27,	4.00,	4.00,	0.00)	DC	
	2ND HIGHEST VALUE IS	22.05723 AT	(563075.71,	4234678.58,	4.00,	4.00,	0.00)	DC	
	3RD HIGHEST VALUE IS	21.99967 AT	(563077.30,	4234659.95,	3.79,	3.79,	0.00)	DC	
	4TH HIGHEST VALUE IS	21.88630 AT	(563141.45,	4234909.66,	5.93,	5.93,	0.00)	DC	
	5TH HIGHEST VALUE IS	21.83555 AT	(563133.00,	4234905.11,	5.96,	5.96,	0.00)	DC	
	6TH HIGHEST VALUE IS	21.81976 AT	(563074.91,	4234687.90,	4.00,	4.00,	0.00)	DC	
	7TH HIGHEST VALUE IS	21.71947 AT	(563130.20,	4234606.09,	3.00,	3.00,	0.00)	DC	
	8TH HIGHEST VALUE IS	21.65137 AT	(563120.68,	4234605.30,	3.00,	3.00,	0.00)	DC	
	9TH HIGHEST VALUE IS	21.55360 AT	(563078.10,	4234650.63,	3.48,	3.48,	0.00)	DC	
	10TH HIGHEST VALUE IS	21.54684 AT	(563149.90,	4234914.21,	5.77,	5.77,	0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
CONST	HIGH 1ST HIGH VALUE IS	4098.09114	ON 14120809: AT (563127.23, 4234936.08, 5.88, 5.88, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   2 Warning Message(s)
A Total of   11737 Informational Message(s)

A Total of   43824 Hours Were Processed

A Total of   23 Calm Hours Identified

A Total of   11714 Missing Hours Identified (26.73 Percent)

CAUTION!: Number of Missing Hours Exceeds 10 Percent of Total!
           Data May Not Be Acceptable for Regulatory Applications.
           See Section 5.3.2 of "Meteorological Monitoring Guidance
           for Regulatory Modeling Applications" (EPA-454/R-99-005).

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
MX W403   83   PFLCNV: Turbulence data is being used w/o ADJ_U* option   SigA Data
MX W403   1   PFLCNV: Turbulence data is being used w/o ADJ_U* option   SigA Data

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 5/14/2026
** File: D:\LSA\2026\20252510\Operational\Operational.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE D:\LSA\2026\20252510\Operational\Operational.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   POLLUTID OTHER
   RUNORNOT RUN
   ERRORFIL Operational.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = ONSI_C1
** DESCRSRC
** PREFIX
** Length of Side = 1.83
** Configuration = Separated
** Emission Rate = 1.0
** Vertical Dimension = 1.83
** SZINIT = 0.85
** Nodes = 2
** 563197.485, 4234871.757, 5.00, 0.00, 1.68
** 563203.142, 4234808.870, 4.88, 0.00, 1.68
** ------------------------------------------------------------------------
   LOCATION L0001040     VOLUME   563197.567 4234870.846 5.00
   LOCATION L0001041     VOLUME   563197.890 4234867.254 5.00
   LOCATION L0001042     VOLUME   563198.214 4234863.662 5.00
   LOCATION L0001043     VOLUME   563198.537 4234860.070 5.00
   LOCATION L0001044     VOLUME   563198.860 4234856.478 5.00
   LOCATION L0001045     VOLUME   563199.183 4234852.886 5.00
   LOCATION L0001046     VOLUME   563199.506 4234849.294 5.00
   LOCATION L0001047     VOLUME   563199.829 4234845.702 5.00
   LOCATION L0001048     VOLUME   563200.152 4234842.110 5.00
   LOCATION L0001049     VOLUME   563200.475 4234838.518 5.00
   LOCATION L0001050     VOLUME   563200.798 4234834.925 5.00
   LOCATION L0001051     VOLUME   563201.121 4234831.333 5.00
   LOCATION L0001052     VOLUME   563201.445 4234827.741 5.00
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   LOCATION L0001053     VOLUME   563201.768 4234824.149 5.00
   LOCATION L0001054     VOLUME   563202.091 4234820.557 5.00
   LOCATION L0001055     VOLUME   563202.414 4234816.965 5.00
   LOCATION L0001056     VOLUME   563202.737 4234813.373 4.94
   LOCATION L0001057     VOLUME   563203.060 4234809.781 4.86
** End of LINE VOLUME Source ID = ONSI_C1
** ------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = ONSI_C2
** DESCRSRC
** PREFIX
** Length of Side = 1.83
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 1.83
** SZINIT = 0.85
** Nodes = 2
** 563203.807, 4234806.208, 4.84, 0.00, 1.70
** 563206.137, 4234764.949, 4.59, 0.00, 1.70
** ------------------------------------------------------------------
   LOCATION L0001058     VOLUME   563203.859 4234805.295 4.75
   LOCATION L0001059     VOLUME   563204.065 4234801.643 4.67
   LOCATION L0001060     VOLUME   563204.271 4234797.992 4.58
   LOCATION L0001061     VOLUME   563204.477 4234794.340 4.49
   LOCATION L0001062     VOLUME   563204.684 4234790.688 4.40
   LOCATION L0001063     VOLUME   563204.890 4234787.036 4.31
   LOCATION L0001064     VOLUME   563205.096 4234783.385 4.33
   LOCATION L0001065     VOLUME   563205.302 4234779.733 4.37
   LOCATION L0001066     VOLUME   563205.508 4234776.081 4.43
   LOCATION L0001067     VOLUME   563205.714 4234772.429 4.48
   LOCATION L0001068     VOLUME   563205.920 4234768.777 4.54
   LOCATION L0001069     VOLUME   563206.127 4234765.126 4.60
** End of LINE VOLUME Source ID = ONSI_C2
** ------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = ONSI_C3
** DESCRSRC
** PREFIX
** Length of Side = 1.83
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 1.83
** SZINIT = 0.85
** Nodes = 2
** 563205.804, 4234763.951, 4.59, 0.00, 1.70
** 563209.464, 4234719.031, 4.00, 0.00, 1.70
** ------------------------------------------------------------------
   LOCATION L0001070     VOLUME   563205.878 4234763.039 4.63
   LOCATION L0001071     VOLUME   563206.175 4234759.394 4.70
   LOCATION L0001072     VOLUME   563206.472 4234755.748 4.75
   LOCATION L0001073     VOLUME   563206.769 4234752.103 4.66
   LOCATION L0001074     VOLUME   563207.066 4234748.457 4.58
   LOCATION L0001075     VOLUME   563207.363 4234744.812 4.49
   LOCATION L0001076     VOLUME   563207.660 4234741.166 4.40
   LOCATION L0001077     VOLUME   563207.957 4234737.521 4.31
   LOCATION L0001078     VOLUME   563208.254 4234733.875 4.21
   LOCATION L0001079     VOLUME   563208.552 4234730.230 4.11
   LOCATION L0001080     VOLUME   563208.849 4234726.584 4.01
   LOCATION L0001081     VOLUME   563209.146 4234722.939 4.00
   LOCATION L0001082     VOLUME   563209.443 4234719.293 4.00
** End of LINE VOLUME Source ID = ONSI_C3
** ------------------------------------------------------------------
```

```
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = ONSI_C4
** DESCRSRC
** PREFIX
** Length of Side = 1.83
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 1.83
** SZINIT = 0.85
** Nodes = 2
** 563214.455, 4234660.803, 3.99, 0.00, 1.70
** 563209.797, 4234717.368, 4.00, 0.00, 1.70
** ----------------------------------------------------------------------
   LOCATION L0001083     VOLUME   563214.380 4234661.714 3.85
   LOCATION L0001084     VOLUME   563214.080 4234665.359 3.97
   LOCATION L0001085     VOLUME   563213.780 4234669.004 4.00
   LOCATION L0001086     VOLUME   563213.479 4234672.650 4.00
   LOCATION L0001087     VOLUME   563213.179 4234676.295 4.00
   LOCATION L0001088     VOLUME   563212.879 4234679.940 4.00
   LOCATION L0001089     VOLUME   563212.579 4234683.586 4.00
   LOCATION L0001090     VOLUME   563212.279 4234687.231 4.00
   LOCATION L0001091     VOLUME   563211.978 4234690.876 4.00
   LOCATION L0001092     VOLUME   563211.678 4234694.521 4.00
   LOCATION L0001093     VOLUME   563211.378 4234698.167 4.00
   LOCATION L0001094     VOLUME   563211.078 4234701.812 4.00
   LOCATION L0001095     VOLUME   563210.778 4234705.457 4.00
   LOCATION L0001096     VOLUME   563210.477 4234709.102 4.00
   LOCATION L0001097     VOLUME   563210.177 4234712.748 4.00
   LOCATION L0001098     VOLUME   563209.877 4234716.393 4.00
** End of LINE VOLUME Source ID = ONSI_C4
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = ONSI_C5
** DESCRSRC
** PREFIX
** Length of Side = 1.83
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 1.83
** SZINIT = 0.85
** Nodes = 2
** 563203.807, 4234807.872, 4.87, 0.00, 1.70
** 563231.757, 4234807.872, 5.00, 0.00, 1.70
** ----------------------------------------------------------------------
   LOCATION L0001099     VOLUME   563204.722 4234807.872 4.80
   LOCATION L0001100     VOLUME   563208.379 4234807.872 4.77
   LOCATION L0001101     VOLUME   563212.037 4234807.872 4.74
   LOCATION L0001102     VOLUME   563215.695 4234807.872 4.74
   LOCATION L0001103     VOLUME   563219.352 4234807.872 4.77
   LOCATION L0001104     VOLUME   563223.010 4234807.872 4.81
   LOCATION L0001105     VOLUME   563226.667 4234807.872 4.84
   LOCATION L0001106     VOLUME   563230.325 4234807.872 4.88
** End of LINE VOLUME Source ID = ONSI_C5
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = ONSI_C6
** DESCRSRC
** PREFIX
** Length of Side = 1.83
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 1.83
```

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** SZINIT = 0.85
** Nodes = 2
** 563210.129, 4234719.031, 4.00, 0.00, 1.70
** 563233.754, 4234719.364, 4.00, 0.00, 1.70
** ----------------------------------------------------------------------
   LOCATION L0000068     VOLUME   563211.044 4234719.044 4.00
   LOCATION L0000069     VOLUME   563214.701 4234719.096 4.00
   LOCATION L0000070     VOLUME   563218.358 4234719.147 4.00
   LOCATION L0000071     VOLUME   563222.015 4234719.199 4.00
   LOCATION L0000072     VOLUME   563225.673 4234719.250 4.00
   LOCATION L0000073     VOLUME   563229.330 4234719.302 4.00
   LOCATION L0000074     VOLUME   563232.987 4234719.353 4.00
** End of LINE VOLUME Source ID = ONSI_C6
** ----------------------------------------------------------------------
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = IN_1
** DESCRSRC
** PREFIX
** Length of Side = 3.05
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 3.05
** SZINIT = 1.42
** Nodes = 21
** 563745.496, 4234670.397, 9.00, 0.00, 2.84
** 563504.981, 4234652.359, 3.06, 0.00, 2.84
** 563436.915, 4234648.030, 2.07, 0.00, 2.84
** 563408.775, 4234645.384, 2.00, 0.00, 2.84
** 563320.747, 4234636.725, 2.87, 0.00, 2.84
** 563285.872, 4234632.396, 3.00, 0.00, 2.84
** 563267.833, 4234628.307, 3.00, 0.00, 2.84
** 563255.086, 4234630.472, 3.00, 0.00, 2.84
** 563244.263, 4234638.890, 3.00, 0.00, 2.84
** 563237.528, 4234642.738, 3.00, 0.00, 2.84
** 563228.870, 4234642.498, 3.00, 0.00, 2.84
** 563220.211, 4234639.130, 3.00, 0.00, 2.84
** 563210.110, 4234634.320, 3.00, 0.00, 2.84
** 563193.514, 4234629.269, 3.00, 0.00, 2.84
** 563176.919, 4234626.383, 3.00, 0.00, 2.84
** 563166.576, 4234626.143, 3.00, 0.00, 2.84
** 563115.106, 4234624.459, 3.00, 0.00, 2.84
** 563107.891, 4234628.307, 3.00, 0.00, 2.84
** 563105.245, 4234633.839, 3.00, 0.00, 2.84
** 563101.156, 4234658.853, 3.96, 0.00, 2.84
** 563086.004, 4234853.910, 5.00, 0.00, 2.84
** ----------------------------------------------------------------------
   LOCATION L0000134     VOLUME   563743.976 4234670.283 9.00
   LOCATION L0000135     VOLUME   563737.897 4234669.828 9.00
   LOCATION L0000136     VOLUME   563731.818 4234669.372 9.00
   LOCATION L0000137     VOLUME   563725.739 4234668.916 9.00
   LOCATION L0000138     VOLUME   563719.660 4234668.460 8.87
   LOCATION L0000139     VOLUME   563713.582 4234668.004 8.66
   LOCATION L0000140     VOLUME   563707.503 4234667.548 8.46
   LOCATION L0000141     VOLUME   563701.424 4234667.092 8.26
   LOCATION L0000142     VOLUME   563695.345 4234666.636 8.06
   LOCATION L0000143     VOLUME   563689.266 4234666.180 7.85
   LOCATION L0000144     VOLUME   563683.187 4234665.724 7.64
   LOCATION L0000145     VOLUME   563677.108 4234665.268 7.43
   LOCATION L0000146     VOLUME   563671.029 4234664.812 7.23
   LOCATION L0000147     VOLUME   563664.950 4234664.356 7.04
   LOCATION L0000148     VOLUME   563658.871 4234663.901 7.00
   LOCATION L0000149     VOLUME   563652.792 4234663.445 7.00
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LOCATION L0000150     VOLUME   563646.713 4234662.989 7.00
LOCATION L0000151     VOLUME   563640.634 4234662.533 7.00
LOCATION L0000152     VOLUME   563634.556 4234662.077 7.00
LOCATION L0000153     VOLUME   563628.477 4234661.621 6.83
LOCATION L0000154     VOLUME   563622.398 4234661.165 6.62
LOCATION L0000155     VOLUME   563616.319 4234660.709 6.42
LOCATION L0000156     VOLUME   563610.240 4234660.253 6.22
LOCATION L0000157     VOLUME   563604.161 4234659.797 6.02
LOCATION L0000158     VOLUME   563598.082 4234659.341 5.81
LOCATION L0000159     VOLUME   563592.003 4234658.885 5.61
LOCATION L0000160     VOLUME   563585.924 4234658.430 5.41
LOCATION L0000161     VOLUME   563579.845 4234657.974 5.21
LOCATION L0000162     VOLUME   563573.766 4234657.518 5.00
LOCATION L0000163     VOLUME   563567.687 4234657.062 4.80
LOCATION L0000164     VOLUME   563561.608 4234656.606 4.60
LOCATION L0000165     VOLUME   563555.529 4234656.150 4.40
LOCATION L0000166     VOLUME   563549.451 4234655.694 4.19
LOCATION L0000167     VOLUME   563543.372 4234655.238 3.99
LOCATION L0000168     VOLUME   563537.293 4234654.782 3.79
LOCATION L0000169     VOLUME   563531.214 4234654.326 3.58
LOCATION L0000170     VOLUME   563525.135 4234653.870 3.38
LOCATION L0000171     VOLUME   563519.056 4234653.414 3.18
LOCATION L0000172     VOLUME   563512.977 4234652.958 3.00
LOCATION L0000173     VOLUME   563506.898 4234652.503 3.00
LOCATION L0000174     VOLUME   563500.816 4234652.094 3.00
LOCATION L0000175     VOLUME   563494.732 4234651.707 3.00
LOCATION L0000176     VOLUME   563488.648 4234651.320 3.00
LOCATION L0000177     VOLUME   563482.565 4234650.933 2.98
LOCATION L0000178     VOLUME   563476.481 4234650.546 2.87
LOCATION L0000179     VOLUME   563470.397 4234650.159 2.76
LOCATION L0000180     VOLUME   563464.314 4234649.772 2.65
LOCATION L0000181     VOLUME   563458.230 4234649.385 2.52
LOCATION L0000182     VOLUME   563452.146 4234648.998 2.40
LOCATION L0000183     VOLUME   563446.062 4234648.611 2.31
LOCATION L0000184     VOLUME   563439.979 4234648.224 2.22
LOCATION L0000185     VOLUME   563433.902 4234647.746 2.13
LOCATION L0000186     VOLUME   563427.833 4234647.176 2.05
LOCATION L0000187     VOLUME   563421.764 4234646.605 2.00
LOCATION L0000188     VOLUME   563415.695 4234646.034 2.00
LOCATION L0000189     VOLUME   563409.625 4234645.464 2.00
LOCATION L0000190     VOLUME   563403.558 4234644.871 2.00
LOCATION L0000191     VOLUME   563397.492 4234644.274 2.00
LOCATION L0000192     VOLUME   563391.425 4234643.677 2.00
LOCATION L0000193     VOLUME   563385.358 4234643.081 2.00
LOCATION L0000194     VOLUME   563379.291 4234642.484 2.00
LOCATION L0000195     VOLUME   563373.225 4234641.887 2.00
LOCATION L0000196     VOLUME   563367.158 4234641.290 2.00
LOCATION L0000197     VOLUME   563361.091 4234640.694 2.09
LOCATION L0000198     VOLUME   563355.024 4234640.097 2.29
LOCATION L0000199     VOLUME   563348.958 4234639.500 2.49
LOCATION L0000200     VOLUME   563342.891 4234638.903 2.69
LOCATION L0000201     VOLUME   563336.824 4234638.307 2.89
LOCATION L0000202     VOLUME   563330.758 4234637.710 3.00
LOCATION L0000203     VOLUME   563324.691 4234637.113 3.00
LOCATION L0000204     VOLUME   563318.630 4234636.463 3.00
LOCATION L0000205     VOLUME   563312.581 4234635.712 3.00
LOCATION L0000206     VOLUME   563306.531 4234634.961 3.00
LOCATION L0000207     VOLUME   563300.481 4234634.210 3.00
LOCATION L0000208     VOLUME   563294.432 4234633.459 3.00
LOCATION L0000209     VOLUME   563288.382 4234632.708 3.00
LOCATION L0000210     VOLUME   563282.394 4234631.608 3.00
LOCATION L0000211     VOLUME   563276.449 4234630.260 3.00
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LOCATION L0000212     VOLUME   563270.503 4234628.913 3.00
LOCATION L0000213     VOLUME   563264.523 4234628.869 3.00
LOCATION L0000214     VOLUME   563258.513 4234629.890 3.00
LOCATION L0000215     VOLUME   563253.018 4234632.081 3.00
LOCATION L0000216     VOLUME   563248.206 4234635.823 3.00
LOCATION L0000217     VOLUME   563243.307 4234639.436 3.11
LOCATION L0000218     VOLUME   563238.014 4234642.461 3.21
LOCATION L0000219     VOLUME   563231.994 4234642.584 3.21
LOCATION L0000220     VOLUME   563226.101 4234641.421 3.17
LOCATION L0000221     VOLUME   563220.420 4234639.212 3.10
LOCATION L0000222     VOLUME   563214.909 4234636.606 3.01
LOCATION L0000223     VOLUME   563209.364 4234634.093 3.00
LOCATION L0000224     VOLUME   563203.532 4234632.318 3.00
LOCATION L0000225     VOLUME   563197.700 4234630.543 3.00
LOCATION L0000226     VOLUME   563191.819 4234628.975 3.00
LOCATION L0000227     VOLUME   563185.813 4234627.930 3.00
LOCATION L0000228     VOLUME   563179.807 4234626.886 3.00
LOCATION L0000229     VOLUME   563173.755 4234626.310 3.00
LOCATION L0000230     VOLUME   563167.661 4234626.168 3.00
LOCATION L0000231     VOLUME   563161.568 4234625.979 3.00
LOCATION L0000232     VOLUME   563155.475 4234625.780 3.00
LOCATION L0000233     VOLUME   563149.382 4234625.580 3.00
LOCATION L0000234     VOLUME   563143.290 4234625.381 3.00
LOCATION L0000235     VOLUME   563137.197 4234625.182 3.00
LOCATION L0000236     VOLUME   563131.104 4234624.982 3.00
LOCATION L0000237     VOLUME   563125.011 4234624.783 3.00
LOCATION L0000238     VOLUME   563118.919 4234624.584 3.00
LOCATION L0000239     VOLUME   563113.093 4234625.533 3.00
LOCATION L0000240     VOLUME   563107.805 4234628.488 3.00
LOCATION L0000241     VOLUME   563105.219 4234634.001 3.00
LOCATION L0000242     VOLUME   563104.235 4234640.017 3.13
LOCATION L0000243     VOLUME   563103.252 4234646.033 3.33
LOCATION L0000244     VOLUME   563102.268 4234652.049 3.53
LOCATION L0000245     VOLUME   563101.285 4234658.066 3.73
LOCATION L0000246     VOLUME   563100.746 4234664.135 3.93
LOCATION L0000247     VOLUME   563100.274 4234670.213 4.00
LOCATION L0000248     VOLUME   563099.802 4234676.291 4.00
LOCATION L0000249     VOLUME   563099.330 4234682.368 4.00
LOCATION L0000250     VOLUME   563098.858 4234688.446 4.00
LOCATION L0000251     VOLUME   563098.385 4234694.524 4.00
LOCATION L0000252     VOLUME   563097.913 4234700.601 4.13
LOCATION L0000253     VOLUME   563097.441 4234706.679 4.30
LOCATION L0000254     VOLUME   563096.969 4234712.757 4.49
LOCATION L0000255     VOLUME   563096.497 4234718.834 4.68
LOCATION L0000256     VOLUME   563096.025 4234724.912 4.88
LOCATION L0000257     VOLUME   563095.553 4234730.990 4.95
LOCATION L0000258     VOLUME   563095.081 4234737.068 4.97
LOCATION L0000259     VOLUME   563094.608 4234743.145 4.99
LOCATION L0000260     VOLUME   563094.136 4234749.223 5.00
LOCATION L0000261     VOLUME   563093.664 4234755.301 5.00
LOCATION L0000262     VOLUME   563093.192 4234761.378 5.00
LOCATION L0000263     VOLUME   563092.720 4234767.456 5.00
LOCATION L0000264     VOLUME   563092.248 4234773.534 5.00
LOCATION L0000265     VOLUME   563091.776 4234779.611 5.00
LOCATION L0000266     VOLUME   563091.304 4234785.689 5.00
LOCATION L0000267     VOLUME   563090.831 4234791.767 5.00
LOCATION L0000268     VOLUME   563090.359 4234797.844 5.00
LOCATION L0000269     VOLUME   563089.887 4234803.922 5.00
LOCATION L0000270     VOLUME   563089.415 4234810.000 5.00
LOCATION L0000271     VOLUME   563088.943 4234816.078 5.00
LOCATION L0000272     VOLUME   563088.471 4234822.155 5.00
LOCATION L0000273     VOLUME   563087.999 4234828.233 5.00
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   LOCATION L0000274     VOLUME   563087.526 4234834.311 5.00
   LOCATION L0000275     VOLUME   563087.054 4234840.388 5.00
   LOCATION L0000276     VOLUME   563086.582 4234846.466 5.01
   LOCATION L0000277     VOLUME   563086.110 4234852.544 5.21
** End of LINE VOLUME Source ID = IN_1
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** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = OUT_1
** DESCRSRC
** PREFIX
** Length of Side = 3.05
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 3.05
** SZINIT = 1.42
** Nodes = 16
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** 563089.612, 4234840.441, 5.00, 0.00, 2.84
** 563088.650, 4234852.708, 5.00, 0.00, 2.84
** 563092.257, 4234859.923, 5.60, 0.00, 2.84
** 563102.840, 4234866.177, 5.77, 0.00, 2.84
** 563124.246, 4234878.924, 5.04, 0.00, 2.84
** 563134.828, 4234882.051, 5.00, 0.00, 2.84
** 563160.564, 4234885.899, 5.00, 0.00, 2.84
** 563182.691, 4234889.988, 5.11, 0.00, 2.84
** 563198.084, 4234893.114, 5.00, 0.00, 2.84
** 563206.502, 4234893.595, 5.00, 0.00, 2.84
** 563230.553, 4234890.228, 5.00, 0.00, 2.84
** 563234.883, 4234888.304, 5.00, 0.00, 2.84
** 563237.528, 4234878.202, 5.00, 0.00, 2.84
** 563236.807, 4234813.504, 5.00, 0.00, 2.84
** 563236.807, 4234809.896, 5.00, 0.00, 2.84
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   LOCATION L0000279     VOLUME   563105.974 4234666.680 4.00
   LOCATION L0000280     VOLUME   563105.402 4234672.749 4.00
   LOCATION L0000281     VOLUME   563104.831 4234678.818 4.00
   LOCATION L0000282     VOLUME   563104.259 4234684.887 4.00
   LOCATION L0000283     VOLUME   563103.688 4234690.956 4.00
   LOCATION L0000284     VOLUME   563103.116 4234697.025 4.02
   LOCATION L0000285     VOLUME   563102.545 4234703.095 4.16
   LOCATION L0000286     VOLUME   563101.973 4234709.164 4.31
   LOCATION L0000287     VOLUME   563101.402 4234715.233 4.47
   LOCATION L0000288     VOLUME   563100.830 4234721.302 4.64
   LOCATION L0000289     VOLUME   563100.259 4234727.371 4.79
   LOCATION L0000290     VOLUME   563099.687 4234733.440 4.85
   LOCATION L0000291     VOLUME   563099.116 4234739.509 4.90
   LOCATION L0000292     VOLUME   563098.544 4234745.579 4.94
   LOCATION L0000293     VOLUME   563097.973 4234751.648 4.98
   LOCATION L0000294     VOLUME   563097.401 4234757.717 5.00
   LOCATION L0000295     VOLUME   563096.830 4234763.786 5.00
   LOCATION L0000296     VOLUME   563096.258 4234769.855 5.00
   LOCATION L0000297     VOLUME   563095.687 4234775.924 5.00
   LOCATION L0000298     VOLUME   563095.115 4234781.994 5.00
   LOCATION L0000299     VOLUME   563094.544 4234788.063 5.00
   LOCATION L0000300     VOLUME   563093.972 4234794.132 5.00
   LOCATION L0000301     VOLUME   563093.401 4234800.201 5.00
   LOCATION L0000302     VOLUME   563092.829 4234806.270 5.00
   LOCATION L0000303     VOLUME   563092.258 4234812.339 5.00
   LOCATION L0000304     VOLUME   563091.686 4234818.408 5.00
   LOCATION L0000305     VOLUME   563091.115 4234824.478 5.00
   LOCATION L0000306     VOLUME   563090.543 4234830.547 5.00
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   LOCATION L0000307     VOLUME   563089.972 4234836.616 5.00
   LOCATION L0000308     VOLUME   563089.435 4234842.688 5.00
   LOCATION L0000309     VOLUME   563088.959 4234848.765 5.08
   LOCATION L0000310     VOLUME   563089.607 4234854.623 5.28
   LOCATION L0000311     VOLUME   563092.404 4234860.010 5.46
   LOCATION L0000312     VOLUME   563097.652 4234863.111 5.49
   LOCATION L0000313     VOLUME   563102.900 4234866.213 5.46
   LOCATION L0000314     VOLUME   563108.138 4234869.332 5.40
   LOCATION L0000315     VOLUME   563113.376 4234872.451 5.30
   LOCATION L0000316     VOLUME   563118.613 4234875.570 5.16
   LOCATION L0000317     VOLUME   563123.851 4234878.689 5.08
   LOCATION L0000318     VOLUME   563129.651 4234880.521 5.14
   LOCATION L0000319     VOLUME   563135.518 4234882.154 5.20
   LOCATION L0000320     VOLUME   563141.547 4234883.055 5.23
   LOCATION L0000321     VOLUME   563147.576 4234883.957 5.26
   LOCATION L0000322     VOLUME   563153.605 4234884.858 5.29
   LOCATION L0000323     VOLUME   563159.634 4234885.760 5.25
   LOCATION L0000324     VOLUME   563165.634 4234886.836 5.21
   LOCATION L0000325     VOLUME   563171.629 4234887.943 5.16
   LOCATION L0000326     VOLUME   563177.623 4234889.051 5.09
   LOCATION L0000327     VOLUME   563183.614 4234890.175 5.00
   LOCATION L0000328     VOLUME   563189.588 4234891.389 5.00
   LOCATION L0000329     VOLUME   563195.562 4234892.602 5.00
   LOCATION L0000330     VOLUME   563201.601 4234893.315 5.00
   LOCATION L0000331     VOLUME   563207.678 4234893.431 5.00
   LOCATION L0000332     VOLUME   563213.715 4234892.585 5.00
   LOCATION L0000333     VOLUME   563219.752 4234891.740 5.00
   LOCATION L0000334     VOLUME   563225.789 4234890.895 5.00
   LOCATION L0000335     VOLUME   563231.728 4234889.706 5.00
   LOCATION L0000336     VOLUME   563235.552 4234885.747 5.00
   LOCATION L0000337     VOLUME   563237.097 4234879.850 5.00
   LOCATION L0000338     VOLUME   563237.479 4234873.809 5.00
   LOCATION L0000339     VOLUME   563237.411 4234867.714 5.00
   LOCATION L0000340     VOLUME   563237.343 4234861.618 5.00
   LOCATION L0000341     VOLUME   563237.275 4234855.522 5.00
   LOCATION L0000342     VOLUME   563237.207 4234849.427 5.00
   LOCATION L0000343     VOLUME   563237.139 4234843.331 5.00
   LOCATION L0000344     VOLUME   563237.071 4234837.236 5.00
   LOCATION L0000345     VOLUME   563237.004 4234831.140 5.00
   LOCATION L0000346     VOLUME   563236.936 4234825.044 5.00
   LOCATION L0000347     VOLUME   563236.868 4234818.949 5.00
   LOCATION L0000348     VOLUME   563236.807 4234812.853 4.97
** End of LINE VOLUME Source ID = OUT_1
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** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = OUT_2
** DESCRSRC
** PREFIX
** Length of Side = 3.05
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 3.05
** SZINIT = 1.42
** Nodes = 2
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** 563238.275, 4234718.456, 4.00, 0.00, 2.84
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   LOCATION L0000349     VOLUME   563237.120 4234807.010 4.93
   LOCATION L0000350     VOLUME   563237.200 4234800.915 4.89
   LOCATION L0000351     VOLUME   563237.279 4234794.819 4.85
   LOCATION L0000352     VOLUME   563237.359 4234788.724 4.81
   LOCATION L0000353     VOLUME   563237.438 4234782.628 4.72
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   LOCATION L0000354     VOLUME   563237.518 4234776.533 4.60
   LOCATION L0000355     VOLUME   563237.597 4234770.437 4.48
   LOCATION L0000356     VOLUME   563237.677 4234764.342 4.36
   LOCATION L0000357     VOLUME   563237.756 4234758.246 4.24
   LOCATION L0000358     VOLUME   563237.836 4234752.151 4.17
   LOCATION L0000359     VOLUME   563237.915 4234746.056 4.13
   LOCATION L0000360     VOLUME   563237.995 4234739.960 4.09
   LOCATION L0000361     VOLUME   563238.074 4234733.865 4.05
   LOCATION L0000362     VOLUME   563238.154 4234727.769 4.01
   LOCATION L0000363     VOLUME   563238.233 4234721.674 4.00
** End of LINE VOLUME Source ID = OUT_2
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** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = OUT_3
** DESCRSRC
** PREFIX
** Length of Side = 3.05
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 3.05
** SZINIT = 1.42
** Nodes = 19
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** 563235.534, 4234653.835, 3.74, 0.00, 2.84
** 563230.840, 4234647.513, 3.00, 0.00, 2.84
** 563225.279, 4234643.169, 3.00, 0.00, 2.84
** 563219.719, 4234636.913, 3.00, 0.00, 2.84
** 563215.206, 4234630.443, 3.00, 0.00, 2.84
** 563215.767, 4234620.757, 3.00, 0.00, 2.84
** 563219.401, 4234613.571, 3.00, 0.00, 2.84
** 563227.072, 4234608.092, 3.00, 0.00, 2.84
** 563235.770, 4234607.806, 3.00, 0.00, 2.84
** 563243.094, 4234610.328, 3.00, 0.00, 2.84
** 563250.444, 4234615.151, 3.00, 0.00, 2.84
** 563264.553, 4234620.404, 3.00, 0.00, 2.84
** 563299.830, 4234625.270, 3.00, 0.00, 2.84
** 563359.957, 4234629.614, 2.02, 0.00, 2.84
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   LOCATION L0000366     VOLUME   563238.090 4234704.742 4.00
   LOCATION L0000367     VOLUME   563238.008 4234698.646 4.00
   LOCATION L0000368     VOLUME   563237.925 4234692.551 4.00
   LOCATION L0000369     VOLUME   563237.785 4234686.457 4.00
   LOCATION L0000370     VOLUME   563237.585 4234680.364 4.00
   LOCATION L0000371     VOLUME   563237.385 4234674.271 4.00
   LOCATION L0000372     VOLUME   563237.185 4234668.178 4.00
   LOCATION L0000373     VOLUME   563236.638 4234662.114 3.86
   LOCATION L0000374     VOLUME   563235.832 4234656.072 3.66
   LOCATION L0000375     VOLUME   563233.245 4234650.752 3.48
   LOCATION L0000376     VOLUME   563229.216 4234646.244 3.33
   LOCATION L0000377     VOLUME   563224.548 4234642.346 3.20
   LOCATION L0000378     VOLUME   563220.498 4234637.790 3.05
   LOCATION L0000379     VOLUME   563216.902 4234632.875 3.00
   LOCATION L0000380     VOLUME   563215.387 4234627.318 3.00
   LOCATION L0000381     VOLUME   563215.739 4234621.232 3.00
   LOCATION L0000382     VOLUME   563218.303 4234615.742 3.00
   LOCATION L0000383     VOLUME   563222.382 4234611.442 3.00
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LOCATION L0000384     VOLUME   563227.404 4234608.081 3.00
LOCATION L0000385     VOLUME   563233.497 4234607.881 3.00
LOCATION L0000386     VOLUME   563239.384 4234609.050 3.00
LOCATION L0000387     VOLUME   563244.910 4234611.519 3.00
LOCATION L0000388     VOLUME   563250.006 4234614.864 3.00
LOCATION L0000389     VOLUME   563255.666 4234617.095 3.00
LOCATION L0000390     VOLUME   563261.379 4234619.222 3.00
LOCATION L0000391     VOLUME   563267.237 4234620.774 3.00
LOCATION L0000392     VOLUME   563273.276 4234621.607 3.00
LOCATION L0000393     VOLUME   563279.315 4234622.440 3.00
LOCATION L0000394     VOLUME   563285.353 4234623.273 3.00
LOCATION L0000395     VOLUME   563291.392 4234624.106 3.00
LOCATION L0000396     VOLUME   563297.431 4234624.939 3.00
LOCATION L0000397     VOLUME   563303.495 4234625.535 3.00
LOCATION L0000398     VOLUME   563309.575 4234625.974 2.93
LOCATION L0000399     VOLUME   563315.655 4234626.413 2.87
LOCATION L0000400     VOLUME   563321.735 4234626.853 2.81
LOCATION L0000401     VOLUME   563327.815 4234627.292 2.76
LOCATION L0000402     VOLUME   563333.896 4234627.731 2.71
LOCATION L0000403     VOLUME   563339.976 4234628.171 2.52
LOCATION L0000404     VOLUME   563346.056 4234628.610 2.33
LOCATION L0000405     VOLUME   563352.136 4234629.049 2.15
LOCATION L0000406     VOLUME   563358.216 4234629.488 1.96
LOCATION L0000407     VOLUME   563364.299 4234629.895 1.79
LOCATION L0000408     VOLUME   563370.382 4234630.290 1.80
LOCATION L0000409     VOLUME   563376.465 4234630.684 1.82
LOCATION L0000410     VOLUME   563382.548 4234631.078 1.83
LOCATION L0000411     VOLUME   563388.632 4234631.472 1.84
LOCATION L0000412     VOLUME   563394.715 4234631.866 1.86
LOCATION L0000413     VOLUME   563400.798 4234632.260 1.90
LOCATION L0000414     VOLUME   563406.881 4234632.654 1.93
LOCATION L0000415     VOLUME   563412.965 4234633.048 1.96
LOCATION L0000416     VOLUME   563419.048 4234633.442 1.99
LOCATION L0000417     VOLUME   563425.131 4234633.836 2.00
LOCATION L0000418     VOLUME   563431.214 4234634.230 2.00
LOCATION L0000419     VOLUME   563437.298 4234634.624 2.00
LOCATION L0000420     VOLUME   563443.381 4234635.018 2.00
LOCATION L0000421     VOLUME   563449.464 4234635.412 2.00
LOCATION L0000422     VOLUME   563455.547 4234635.806 2.06
LOCATION L0000423     VOLUME   563461.631 4234636.200 2.27
LOCATION L0000424     VOLUME   563467.714 4234636.594 2.47
LOCATION L0000425     VOLUME   563473.797 4234636.988 2.68
LOCATION L0000426     VOLUME   563479.880 4234637.382 2.88
LOCATION L0000427     VOLUME   563485.964 4234637.776 3.00
LOCATION L0000428     VOLUME   563492.047 4234638.170 3.00
LOCATION L0000429     VOLUME   563498.130 4234638.564 3.00
LOCATION L0000430     VOLUME   563504.213 4234638.958 3.00
LOCATION L0000431     VOLUME   563510.297 4234639.352 3.00
LOCATION L0000432     VOLUME   563516.378 4234639.768 3.09
LOCATION L0000433     VOLUME   563522.459 4234640.200 3.29
LOCATION L0000434     VOLUME   563528.540 4234640.632 3.50
LOCATION L0000435     VOLUME   563534.620 4234641.064 3.70
LOCATION L0000436     VOLUME   563540.701 4234641.497 3.90
LOCATION L0000437     VOLUME   563546.782 4234641.929 4.10
LOCATION L0000438     VOLUME   563552.862 4234642.361 4.31
LOCATION L0000439     VOLUME   563558.943 4234642.793 4.51
LOCATION L0000440     VOLUME   563565.024 4234643.225 4.71
LOCATION L0000441     VOLUME   563571.104 4234643.657 4.91
LOCATION L0000442     VOLUME   563577.185 4234644.089 5.12
LOCATION L0000443     VOLUME   563583.266 4234644.521 5.32
LOCATION L0000444     VOLUME   563589.346 4234644.953 5.52
LOCATION L0000445     VOLUME   563595.427 4234645.385 5.73
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   LOCATION L0000446     VOLUME   563601.508 4234645.818 5.93
   LOCATION L0000447     VOLUME   563607.588 4234646.250 6.13
   LOCATION L0000448     VOLUME   563613.669 4234646.682 6.33
   LOCATION L0000449     VOLUME   563619.750 4234647.114 6.54
   LOCATION L0000450     VOLUME   563625.830 4234647.546 6.74
   LOCATION L0000451     VOLUME   563631.911 4234647.978 6.94
   LOCATION L0000452     VOLUME   563637.992 4234648.410 7.00
   LOCATION L0000453     VOLUME   563644.072 4234648.842 7.00
   LOCATION L0000454     VOLUME   563650.153 4234649.274 7.00
   LOCATION L0000455     VOLUME   563656.234 4234649.707 7.00
   LOCATION L0000456     VOLUME   563662.314 4234650.139 7.00
   LOCATION L0000457     VOLUME   563668.395 4234650.571 7.08
   LOCATION L0000458     VOLUME   563674.476 4234651.003 7.18
   LOCATION L0000459     VOLUME   563680.556 4234651.435 7.29
   LOCATION L0000460     VOLUME   563686.637 4234651.867 7.40
   LOCATION L0000461     VOLUME   563692.718 4234652.299 7.52
   LOCATION L0000462     VOLUME   563698.798 4234652.731 7.72
   LOCATION L0000463     VOLUME   563704.879 4234653.163 7.94
   LOCATION L0000464     VOLUME   563710.960 4234653.595 8.16
   LOCATION L0000465     VOLUME   563717.040 4234654.028 8.37
   LOCATION L0000466     VOLUME   563723.121 4234654.460 8.59
   LOCATION L0000467     VOLUME   563729.202 4234654.892 8.69
   LOCATION L0000468     VOLUME   563735.282 4234655.324 8.78
   LOCATION L0000469     VOLUME   563741.363 4234655.756 8.86
   LOCATION L0000470     VOLUME   563747.444 4234656.188 8.93
** End of LINE VOLUME Source ID = OUT_3
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** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = OUT_4
** DESCRSRC
** PREFIX
** Length of Side = 3.05
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 3.05
** SZINIT = 1.42
** Nodes = 12
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** 563735.639, 4234462.574, 8.53, 0.00, 2.84
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** 563720.322, 4234315.399, 10.75, 0.00, 2.84
** 563719.656, 4234274.776, 10.85, 0.00, 2.84
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   LOCATION L0000474     VOLUME   563753.648 4234636.596 9.00
   LOCATION L0000475     VOLUME   563753.247 4234630.513 8.99
   LOCATION L0000476     VOLUME   563752.846 4234624.431 8.97
   LOCATION L0000477     VOLUME   563752.444 4234618.348 8.96
   LOCATION L0000478     VOLUME   563752.043 4234612.265 8.95
   LOCATION L0000479     VOLUME   563751.642 4234606.182 8.93
   LOCATION L0000480     VOLUME   563751.241 4234600.099 8.51
   LOCATION L0000481     VOLUME   563750.755 4234594.024 8.09
   LOCATION L0000482     VOLUME   563750.059 4234587.968 7.66
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LOCATION L0000484 VOLUME 563748.666 4234575.856 6.82
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LOCATION L0000486 VOLUME 563747.273 4234563.744 6.46
LOCATION L0000487 VOLUME 563746.577 4234557.688 6.29
LOCATION L0000488 VOLUME 563745.880 4234551.632 6.13
LOCATION L0000489 VOLUME 563745.184 4234545.576 6.02
LOCATION L0000490 VOLUME 563744.487 4234539.520 6.15
LOCATION L0000491 VOLUME 563743.791 4234533.463 6.28
LOCATION L0000492 VOLUME 563743.094 4234527.407 6.41
LOCATION L0000493 VOLUME 563742.398 4234521.351 6.52
LOCATION L0000494 VOLUME 563741.702 4234515.295 6.63
LOCATION L0000495 VOLUME 563741.005 4234509.239 6.81
LOCATION L0000496 VOLUME 563740.309 4234503.183 6.99
LOCATION L0000497 VOLUME 563739.612 4234497.127 7.17
LOCATION L0000498 VOLUME 563738.916 4234491.071 7.35
LOCATION L0000499 VOLUME 563738.219 4234485.015 7.52
LOCATION L0000500 VOLUME 563737.523 4234478.959 7.70
LOCATION L0000501 VOLUME 563736.826 4234472.903 7.88
LOCATION L0000502 VOLUME 563736.130 4234466.846 8.06
LOCATION L0000503 VOLUME 563735.422 4234460.792 8.24
LOCATION L0000504 VOLUME 563734.688 4234454.740 8.43
LOCATION L0000505 VOLUME 563733.954 4234448.688 8.68
LOCATION L0000506 VOLUME 563733.220 4234442.637 8.91
LOCATION L0000507 VOLUME 563732.486 4234436.585 9.14
LOCATION L0000508 VOLUME 563731.751 4234430.534 9.36
LOCATION L0000509 VOLUME 563731.017 4234424.482 9.59
LOCATION L0000510 VOLUME 563730.283 4234418.430 9.90
LOCATION L0000511 VOLUME 563729.549 4234412.379 10.22
LOCATION L0000512 VOLUME 563728.815 4234406.327 10.55
LOCATION L0000513 VOLUME 563728.080 4234400.275 10.90
LOCATION L0000514 VOLUME 563727.346 4234394.224 11.12
LOCATION L0000515 VOLUME 563726.612 4234388.172 11.10
LOCATION L0000516 VOLUME 563725.878 4234382.121 11.07
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LOCATION L0000518 VOLUME 563724.498 4234370.009 11.03
LOCATION L0000519 VOLUME 563724.033 4234363.930 11.01
LOCATION L0000520 VOLUME 563723.568 4234357.852 11.00
LOCATION L0000521 VOLUME 563723.103 4234351.774 10.98
LOCATION L0000522 VOLUME 563722.639 4234345.696 10.97
LOCATION L0000523 VOLUME 563722.174 4234339.617 10.95
LOCATION L0000524 VOLUME 563721.709 4234333.539 10.93
LOCATION L0000525 VOLUME 563721.244 4234327.461 10.90
LOCATION L0000526 VOLUME 563720.779 4234321.383 10.86
LOCATION L0000527 VOLUME 563720.320 4234315.304 10.81
LOCATION L0000528 VOLUME 563720.220 4234309.209 10.78
LOCATION L0000529 VOLUME 563720.120 4234303.114 10.76
LOCATION L0000530 VOLUME 563720.020 4234297.019 10.76
LOCATION L0000531 VOLUME 563719.921 4234290.923 10.75
LOCATION L0000532 VOLUME 563719.821 4234284.828 10.74
LOCATION L0000533 VOLUME 563719.721 4234278.733 10.74
LOCATION L0000534 VOLUME 563719.748 4234272.639 10.64
LOCATION L0000535 VOLUME 563720.011 4234266.549 10.47
LOCATION L0000536 VOLUME 563720.274 4234260.459 10.31
LOCATION L0000537 VOLUME 563720.537 4234254.368 10.14
LOCATION L0000538 VOLUME 563720.800 4234248.278 9.97
LOCATION L0000539 VOLUME 563721.063 4234242.188 9.91
LOCATION L0000540 VOLUME 563721.325 4234236.098 9.92
LOCATION L0000541 VOLUME 563721.588 4234230.007 9.93
LOCATION L0000542 VOLUME 563722.109 4234223.935 9.95
LOCATION L0000543 VOLUME 563722.716 4234217.870 9.97
LOCATION L0000544 VOLUME 563723.323 4234211.804 9.99

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   LOCATION L0000546     VOLUME   563724.558 4234199.675 10.03
   LOCATION L0000547     VOLUME   563725.176 4234193.610 10.05
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   LOCATION L0000551     VOLUME   563728.176 4234169.427 9.59
   LOCATION L0000552     VOLUME   563729.285 4234163.433 9.43
   LOCATION L0000553     VOLUME   563730.393 4234157.439 9.27
   LOCATION L0000554     VOLUME   563731.502 4234151.444 9.26
   LOCATION L0000555     VOLUME   563732.611 4234145.450 9.30
   LOCATION L0000556     VOLUME   563733.720 4234139.456 9.33
   LOCATION L0000557     VOLUME   563734.829 4234133.462 9.37
   LOCATION L0000558     VOLUME   563735.938 4234127.467 9.41
   LOCATION L0000559     VOLUME   563737.047 4234121.473 9.45
   LOCATION L0000560     VOLUME   563738.156 4234115.479 9.48
   LOCATION L0000561     VOLUME   563739.265 4234109.484 9.52
   LOCATION L0000562     VOLUME   563740.629 4234103.543 9.57
   LOCATION L0000563     VOLUME   563742.002 4234097.604 9.61
   LOCATION L0000564     VOLUME   563743.375 4234091.664 9.51
   LOCATION L0000565     VOLUME   563744.748 4234085.725 9.35
   LOCATION L0000566     VOLUME   563746.120 4234079.785 9.20
   LOCATION L0000567     VOLUME   563747.493 4234073.846 9.05
   LOCATION L0000568     VOLUME   563748.866 4234067.907 8.90
   LOCATION L0000569     VOLUME   563750.239 4234061.967 8.89
   LOCATION L0000570     VOLUME   563751.611 4234056.028 8.93
   LOCATION L0000571     VOLUME   563752.984 4234050.088 8.98
   LOCATION L0000572     VOLUME   563754.357 4234044.149 9.02
   LOCATION L0000573     VOLUME   563755.730 4234038.210 9.07
   LOCATION L0000574     VOLUME   563757.103 4234032.270 8.98
   LOCATION L0000575     VOLUME   563758.475 4234026.331 8.83
   LOCATION L0000576     VOLUME   563759.848 4234020.391 8.68
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   LOCATION L0000580     VOLUME   563765.339 4233996.634 8.39
   LOCATION L0000581     VOLUME   563766.712 4233990.694 8.43
   LOCATION L0000582     VOLUME   563768.085 4233984.755 8.48
   LOCATION L0000583     VOLUME   563769.458 4233978.815 8.53
   LOCATION L0000584     VOLUME   563770.831 4233972.876 8.57
   LOCATION L0000585     VOLUME   563772.193 4233966.934 8.62
   LOCATION L0000586     VOLUME   563773.516 4233960.983 8.66
   LOCATION L0000587     VOLUME   563774.838 4233955.033 8.71
   LOCATION L0000588     VOLUME   563776.161 4233949.082 8.75
   LOCATION L0000589     VOLUME   563777.483 4233943.131 8.79
** End of LINE VOLUME Source ID = OUT_4
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** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = IN_2
** DESCRSRC
** PREFIX
** Length of Side = 3.05
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 3.05
** SZINIT = 1.42
** Nodes = 15
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** 563782.038, 4234023.188, 9.76, 0.00, 2.84
** 563750.280, 4234158.397, 9.99, 0.00, 2.84
** 563741.138, 4234206.274, 10.70, 0.00, 2.84
** 563736.326, 4234251.745, 10.70, 0.00, 2.84
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** 563758.701, 4234485.835, 8.03, 0.00, 2.84
** 563759.182, 4234500.029, 7.46, 0.00, 2.84
** 563761.829, 4234553.439, 6.67, 0.00, 2.84
** 563769.287, 4234654.967, 9.00, 0.00, 2.84
** 563767.603, 4234661.944, 9.00, 0.00, 2.84
** 563760.144, 4234668.921, 9.00, 0.00, 2.84
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   LOCATION L0000591     VOLUME   563802.506 4233943.955 9.00
   LOCATION L0000592     VOLUME   563800.982 4233949.857 9.07
   LOCATION L0000593     VOLUME   563799.457 4233955.759 9.17
   LOCATION L0000594     VOLUME   563797.932 4233961.661 9.24
   LOCATION L0000595     VOLUME   563796.407 4233967.564 9.30
   LOCATION L0000596     VOLUME   563794.883 4233973.466 9.34
   LOCATION L0000597     VOLUME   563793.358 4233979.368 9.32
   LOCATION L0000598     VOLUME   563791.833 4233985.270 9.27
   LOCATION L0000599     VOLUME   563790.308 4233991.173 9.22
   LOCATION L0000600     VOLUME   563788.784 4233997.075 9.17
   LOCATION L0000601     VOLUME   563787.259 4234002.977 9.12
   LOCATION L0000602     VOLUME   563785.734 4234008.879 9.16
   LOCATION L0000603     VOLUME   563784.209 4234014.782 9.30
   LOCATION L0000604     VOLUME   563782.685 4234020.684 9.45
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   LOCATION L0000618     VOLUME   563763.115 4234103.753 10.39
   LOCATION L0000619     VOLUME   563761.721 4234109.688 10.39
   LOCATION L0000620     VOLUME   563760.327 4234115.622 10.37
   LOCATION L0000621     VOLUME   563758.933 4234121.557 10.32
   LOCATION L0000622     VOLUME   563757.539 4234127.491 10.26
   LOCATION L0000623     VOLUME   563756.146 4234133.426 10.17
   LOCATION L0000624     VOLUME   563754.752 4234139.360 10.07
   LOCATION L0000625     VOLUME   563753.358 4234145.295 9.99
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   LOCATION L0000627     VOLUME   563750.570 4234157.164 9.93
   LOCATION L0000628     VOLUME   563749.375 4234163.140 10.09
   LOCATION L0000629     VOLUME   563748.231 4234169.128 10.25
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   LOCATION L0000631     VOLUME   563745.944 4234181.104 10.57
   LOCATION L0000632     VOLUME   563744.801 4234187.092 10.70
   LOCATION L0000633     VOLUME   563743.658 4234193.079 10.67
   LOCATION L0000634     VOLUME   563742.514 4234199.067 10.63
   LOCATION L0000635     VOLUME   563741.371 4234205.055 10.59
   LOCATION L0000636     VOLUME   563740.627 4234211.102 10.57
   LOCATION L0000637     VOLUME   563739.986 4234217.164 10.56
   LOCATION L0000638     VOLUME   563739.344 4234223.226 10.64
   LOCATION L0000639     VOLUME   563738.703 4234229.289 10.72
   LOCATION L0000640     VOLUME   563738.061 4234235.351 10.79
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LOCATION L0000645 VOLUME 563736.143 4234265.738 11.21
LOCATION L0000646 VOLUME 563736.063 4234271.833 11.33
LOCATION L0000647 VOLUME 563735.983 4234277.929 11.41
LOCATION L0000648 VOLUME 563735.904 4234284.024 11.41
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LOCATION L0000663 VOLUME 563742.866 4234375.031 11.64
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LOCATION L0000666 VOLUME 563745.386 4234393.144 11.72
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LOCATION L0000668 VOLUME 563747.067 4234405.220 11.41
LOCATION L0000669 VOLUME 563747.907 4234411.258 11.21
LOCATION L0000670 VOLUME 563748.747 4234417.296 11.02
LOCATION L0000671 VOLUME 563749.609 4234423.330 10.84
LOCATION L0000672 VOLUME 563750.487 4234429.363 10.59
LOCATION L0000673 VOLUME 563751.364 4234435.396 10.26
LOCATION L0000674 VOLUME 563752.242 4234441.428 9.91
LOCATION L0000675 VOLUME 563753.119 4234447.461 9.56
LOCATION L0000676 VOLUME 563753.997 4234453.493 9.20
LOCATION L0000677 VOLUME 563754.874 4234459.526 8.97
LOCATION L0000678 VOLUME 563755.752 4234465.558 8.83
LOCATION L0000679 VOLUME 563756.629 4234471.591 8.68
LOCATION L0000680 VOLUME 563757.506 4234477.623 8.54
LOCATION L0000681 VOLUME 563758.384 4234483.656 8.40
LOCATION L0000682 VOLUME 563758.833 4234489.726 8.23
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LOCATION L0000686 VOLUME 563759.879 4234514.087 7.48
LOCATION L0000687 VOLUME 563760.180 4234520.176 7.33
LOCATION L0000688 VOLUME 563760.482 4234526.264 7.19
LOCATION L0000689 VOLUME 563760.784 4234532.353 7.06
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LOCATION L0000694 VOLUME 563762.515 4234562.782 7.27
LOCATION L0000695 VOLUME 563762.961 4234568.861 7.45
LOCATION L0000696 VOLUME 563763.408 4234574.941 7.62
LOCATION L0000697 VOLUME 563763.855 4234581.021 7.89
LOCATION L0000698 VOLUME 563764.301 4234587.100 8.18
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LOCATION L0000701 VOLUME 563765.641 4234605.339 8.97
LOCATION L0000702 VOLUME 563766.088 4234611.419 9.00

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   LOCATION L0000704     VOLUME   563766.981 4234623.578 9.00
   LOCATION L0000705     VOLUME   563767.427 4234629.658 9.00
   LOCATION L0000706     VOLUME   563767.874 4234635.737 9.00
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   LOCATION L0000709     VOLUME   563769.214 4234653.976 9.00
   LOCATION L0000710     VOLUME   563768.089 4234659.927 9.00
   LOCATION L0000711     VOLUME   563764.666 4234664.691 9.00
   LOCATION L0000712     VOLUME   563760.214 4234668.855 9.00
   LOCATION L0000713     VOLUME   563754.171 4234669.489 9.00
** End of LINE VOLUME Source ID = IN_2
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** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = OUT_5
** DESCRSRC
** PREFIX
** Length of Side = 3.05
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 3.05
** SZINIT = 1.42
** Nodes = 18
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** 563770.008, 4234667.633, 9.00, 0.00, 2.84
** 563773.857, 4234674.851, 9.00, 0.00, 2.84
** 563776.504, 4234691.211, 9.00, 0.00, 2.84
** 563776.744, 4234719.119, 9.00, 0.00, 2.84
** 563780.782, 4234852.773, 9.07, 0.00, 2.84
** 563783.525, 4234931.909, 9.01, 0.00, 2.84
** 563784.700, 4234981.662, 9.07, 0.00, 2.84
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** 563790.968, 4235265.690, 6.00, 0.00, 2.84
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** 563789.009, 4235340.125, 6.43, 0.00, 2.84
** 563785.484, 4235422.786, 9.07, 0.00, 2.84
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** End of LINE VOLUME Source ID = OUT_5
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** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = IN_3
** DESCRSRC
** PREFIX
** Length of Side = 3.05
** Configuration = Separated 2W
** Emission Rate = 1.0
** Vertical Dimension = 3.05
** SZINIT = 1.42
** Nodes = 20
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   LOCATION L0001658     VOLUME   563750.712 4235606.166 7.87
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LOCATION L0001668     VOLUME   563758.408 4235545.694 8.16
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LOCATION L0001774     VOLUME   563765.461 4234900.212 9.00
LOCATION L0001775     VOLUME   563765.393 4234894.117 9.00
LOCATION L0001776     VOLUME   563765.325 4234888.021 9.00
LOCATION L0001777     VOLUME   563765.257 4234881.925 9.00
LOCATION L0001778     VOLUME   563765.190 4234875.830 9.00
LOCATION L0001779     VOLUME   563765.122 4234869.734 9.00
LOCATION L0001780     VOLUME   563764.583 4234863.665 9.00
LOCATION L0001781     VOLUME   563763.963 4234857.601 9.00
LOCATION L0001782     VOLUME   563763.343 4234851.537 9.00
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   LOCATION L0001783     VOLUME   563762.723 4234845.472 9.00
   LOCATION L0001784     VOLUME   563762.102 4234839.408 9.00
   LOCATION L0001785     VOLUME   563761.487 4234833.343 9.00
   LOCATION L0001786     VOLUME   563760.895 4234827.276 9.00
   LOCATION L0001787     VOLUME   563760.303 4234821.209 9.00
   LOCATION L0001788     VOLUME   563759.711 4234815.141 9.00
   LOCATION L0001789     VOLUME   563759.119 4234809.074 9.00
   LOCATION L0001790     VOLUME   563758.527 4234803.007 9.00
   LOCATION L0001791     VOLUME   563758.328 4234796.916 9.00
   LOCATION L0001792     VOLUME   563758.187 4234790.822 9.00
   LOCATION L0001793     VOLUME   563758.045 4234784.727 9.00
   LOCATION L0001794     VOLUME   563757.903 4234778.633 9.00
   LOCATION L0001795     VOLUME   563757.761 4234772.539 9.00
   LOCATION L0001796     VOLUME   563757.620 4234766.444 9.00
   LOCATION L0001797     VOLUME   563757.478 4234760.350 9.00
   LOCATION L0001798     VOLUME   563757.336 4234754.256 9.00
   LOCATION L0001799     VOLUME   563757.194 4234748.161 9.00
   LOCATION L0001800     VOLUME   563757.053 4234742.067 9.00
   LOCATION L0001801     VOLUME   563756.911 4234735.973 9.00
   LOCATION L0001802     VOLUME   563756.686 4234729.881 9.00
   LOCATION L0001803     VOLUME   563756.442 4234723.790 9.00
   LOCATION L0001804     VOLUME   563756.199 4234717.699 9.00
   LOCATION L0001805     VOLUME   563755.991 4234711.606 9.00
   LOCATION L0001806     VOLUME   563755.806 4234705.513 9.00
   LOCATION L0001807     VOLUME   563755.621 4234699.420 9.00
   LOCATION L0001808     VOLUME   563755.437 4234693.327 9.00
   LOCATION L0001809     VOLUME   563754.764 4234687.304 9.00
   LOCATION L0001810     VOLUME   563752.300 4234681.839 9.00
   LOCATION L0001811     VOLUME   563748.741 4234676.890 9.00
** End of LINE VOLUME Source ID = IN_3
   LOCATION STCK1        POINT      563116.680  4234656.070        3.660
   LOCATION STCK2        POINT      563114.222  4234670.586        4.000
   LOCATION STCK3        POINT      563112.381  4234694.309        4.000
   LOCATION STCK4        POINT      563111.359  4234707.806        4.160
   LOCATION STCK5        POINT      563107.882  4234729.688        4.580
   LOCATION STCK6        POINT      563107.064  4234745.026        4.830
   LOCATION STCK7        POINT      563105.428  4234763.432        5.000
   LOCATION STCK8        POINT      563104.405  4234781.428        5.000
   LOCATION STCK9        POINT      563102.769  4234801.879        5.000
   LOCATION STCK10       POINT      563101.338  4234817.626        5.000
   LOCATION STCK11       POINT      563099.906  4234836.031        5.000
   LOCATION STCK12       POINT      563098.475  4234851.165        5.140
** Source Parameters **
** LINE VOLUME Source ID = ONSI_C1
   SRCPARAM L0001040     0.0555555556      0.00      1.68      0.85
   SRCPARAM L0001041     0.0555555556      0.00      1.68      0.85
   SRCPARAM L0001042     0.0555555556      0.00      1.68      0.85
   SRCPARAM L0001043     0.0555555556      0.00      1.68      0.85
   SRCPARAM L0001044     0.0555555556      0.00      1.68      0.85
   SRCPARAM L0001045     0.0555555556      0.00      1.68      0.85
   SRCPARAM L0001046     0.0555555556      0.00      1.68      0.85
   SRCPARAM L0001047     0.0555555556      0.00      1.68      0.85
   SRCPARAM L0001048     0.0555555556      0.00      1.68      0.85
   SRCPARAM L0001049     0.0555555556      0.00      1.68      0.85
   SRCPARAM L0001050     0.0555555556      0.00      1.68      0.85
   SRCPARAM L0001051     0.0555555556      0.00      1.68      0.85
   SRCPARAM L0001052     0.0555555556      0.00      1.68      0.85
   SRCPARAM L0001053     0.0555555556      0.00      1.68      0.85
   SRCPARAM L0001054     0.0555555556      0.00      1.68      0.85
   SRCPARAM L0001055     0.0555555556      0.00      1.68      0.85
   SRCPARAM L0001056     0.0555555556      0.00      1.68      0.85
   SRCPARAM L0001057     0.0555555556      0.00      1.68      0.85
```

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** ----------------------------------------------------------------------
** LINE VOLUME Source ID = ONSI_C2
   SRCPARAM L0001058     0.0833333333      0.00      1.70      0.85
   SRCPARAM L0001059     0.0833333333      0.00      1.70      0.85
   SRCPARAM L0001060     0.0833333333      0.00      1.70      0.85
   SRCPARAM L0001061     0.0833333333      0.00      1.70      0.85
   SRCPARAM L0001062     0.0833333333      0.00      1.70      0.85
   SRCPARAM L0001063     0.0833333333      0.00      1.70      0.85
   SRCPARAM L0001064     0.0833333333      0.00      1.70      0.85
   SRCPARAM L0001065     0.0833333333      0.00      1.70      0.85
   SRCPARAM L0001066     0.0833333333      0.00      1.70      0.85
   SRCPARAM L0001067     0.0833333333      0.00      1.70      0.85
   SRCPARAM L0001068     0.0833333333      0.00      1.70      0.85
   SRCPARAM L0001069     0.0833333333      0.00      1.70      0.85
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = ONSI_C3
   SRCPARAM L0001070     0.0769230769      0.00      1.70      0.85
   SRCPARAM L0001071     0.0769230769      0.00      1.70      0.85
   SRCPARAM L0001072     0.0769230769      0.00      1.70      0.85
   SRCPARAM L0001073     0.0769230769      0.00      1.70      0.85
   SRCPARAM L0001074     0.0769230769      0.00      1.70      0.85
   SRCPARAM L0001075     0.0769230769      0.00      1.70      0.85
   SRCPARAM L0001076     0.0769230769      0.00      1.70      0.85
   SRCPARAM L0001077     0.0769230769      0.00      1.70      0.85
   SRCPARAM L0001078     0.0769230769      0.00      1.70      0.85
   SRCPARAM L0001079     0.0769230769      0.00      1.70      0.85
   SRCPARAM L0001080     0.0769230769      0.00      1.70      0.85
   SRCPARAM L0001081     0.0769230769      0.00      1.70      0.85
   SRCPARAM L0001082     0.0769230769      0.00      1.70      0.85
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = ONSI_C4
   SRCPARAM L0001083        0.0625      0.00      1.70      0.85
   SRCPARAM L0001084        0.0625      0.00      1.70      0.85
   SRCPARAM L0001085        0.0625      0.00      1.70      0.85
   SRCPARAM L0001086        0.0625      0.00      1.70      0.85
   SRCPARAM L0001087        0.0625      0.00      1.70      0.85
   SRCPARAM L0001088        0.0625      0.00      1.70      0.85
   SRCPARAM L0001089        0.0625      0.00      1.70      0.85
   SRCPARAM L0001090        0.0625      0.00      1.70      0.85
   SRCPARAM L0001091        0.0625      0.00      1.70      0.85
   SRCPARAM L0001092        0.0625      0.00      1.70      0.85
   SRCPARAM L0001093        0.0625      0.00      1.70      0.85
   SRCPARAM L0001094        0.0625      0.00      1.70      0.85
   SRCPARAM L0001095        0.0625      0.00      1.70      0.85
   SRCPARAM L0001096        0.0625      0.00      1.70      0.85
   SRCPARAM L0001097        0.0625      0.00      1.70      0.85
   SRCPARAM L0001098        0.0625      0.00      1.70      0.85
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = ONSI_C5
   SRCPARAM L0001099         0.125      0.00      1.70      0.85
   SRCPARAM L0001100         0.125      0.00      1.70      0.85
   SRCPARAM L0001101         0.125      0.00      1.70      0.85
   SRCPARAM L0001102         0.125      0.00      1.70      0.85
   SRCPARAM L0001103         0.125      0.00      1.70      0.85
   SRCPARAM L0001104         0.125      0.00      1.70      0.85
   SRCPARAM L0001105         0.125      0.00      1.70      0.85
   SRCPARAM L0001106         0.125      0.00      1.70      0.85
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = ONSI_C6
   SRCPARAM L0000068     0.1428571429      0.00      1.70      0.85
   SRCPARAM L0000069     0.1428571429      0.00      1.70      0.85
   SRCPARAM L0000070     0.1428571429      0.00      1.70      0.85
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   SRCPARAM L0000071     0.1428571429      0.00      1.70      0.85
   SRCPARAM L0000072     0.1428571429      0.00      1.70      0.85
   SRCPARAM L0000073     0.1428571429      0.00      1.70      0.85
   SRCPARAM L0000074     0.1428571429      0.00      1.70      0.85
** ------------------------------------------------------------------
** LINE VOLUME Source ID = IN_1
   SRCPARAM L0000134     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000135     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000136     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000137     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000138     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000139     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000140     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000141     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000142     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000143     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000144     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000145     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000146     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000147     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000148     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000149     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000150     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000151     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000152     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000153     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000154     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000155     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000156     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000157     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000158     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000159     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000160     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000161     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000162     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000163     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000164     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000165     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000166     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000167     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000168     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000169     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000170     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000171     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000172     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000173     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000174     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000175     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000176     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000177     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000178     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000179     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000180     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000181     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000182     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000183     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000184     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000185     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000186     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000187     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000188     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000189     0.0069444444      0.00      2.84      1.42
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SRCPARAM L0000190     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000191     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000192     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000193     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000194     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000195     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000196     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000197     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000198     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000199     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000200     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000201     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000202     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000203     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000204     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000205     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000206     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000207     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000208     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000209     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000210     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000211     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000212     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000213     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000214     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000215     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000216     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000217     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000218     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000219     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000220     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000221     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000222     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000223     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000224     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000225     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000226     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000227     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000228     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000229     0.0069444444      0.00      2.84      1.42
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SRCPARAM L0000232     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000233     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000234     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000235     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000236     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000237     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000238     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000239     0.0069444444      0.00      2.84      1.42
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SRCPARAM L0000241     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000242     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000243     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000244     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000245     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000246     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000247     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000248     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000249     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000250     0.0069444444      0.00      2.84      1.42
SRCPARAM L0000251     0.0069444444      0.00      2.84      1.42
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   SRCPARAM L0000252     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000253     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000254     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000255     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000256     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000257     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000258     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000259     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000260     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000261     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000262     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000263     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000264     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000265     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000266     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000267     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000268     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000269     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000270     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000271     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000272     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000273     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000274     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000275     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000276     0.0069444444      0.00      2.84      1.42
   SRCPARAM L0000277     0.0069444444      0.00      2.84      1.42
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = OUT_1
   SRCPARAM L0000278     0.014084507       0.00      2.84      1.42
   SRCPARAM L0000279     0.014084507       0.00      2.84      1.42
   SRCPARAM L0000280     0.014084507       0.00      2.84      1.42
   SRCPARAM L0000281     0.014084507       0.00      2.84      1.42
   SRCPARAM L0000282     0.014084507       0.00      2.84      1.42
   SRCPARAM L0000283     0.014084507       0.00      2.84      1.42
   SRCPARAM L0000284     0.014084507       0.00      2.84      1.42
   SRCPARAM L0000285     0.014084507       0.00      2.84      1.42
   SRCPARAM L0000286     0.014084507       0.00      2.84      1.42
   SRCPARAM L0000287     0.014084507       0.00      2.84      1.42
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   SRCPARAM L0000298     0.014084507       0.00      2.84      1.42
   SRCPARAM L0000299     0.014084507       0.00      2.84      1.42
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   SRCPARAM L0000301     0.014084507       0.00      2.84      1.42
   SRCPARAM L0000302     0.014084507       0.00      2.84      1.42
   SRCPARAM L0000303     0.014084507       0.00      2.84      1.42
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   SRCPARAM L0000311     0.014084507       0.00      2.84      1.42
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   SRCPARAM L0000312     0.014084507      0.00      2.84      1.42
   SRCPARAM L0000313     0.014084507      0.00      2.84      1.42
   SRCPARAM L0000314     0.014084507      0.00      2.84      1.42
   SRCPARAM L0000315     0.014084507      0.00      2.84      1.42
   SRCPARAM L0000316     0.014084507      0.00      2.84      1.42
   SRCPARAM L0000317     0.014084507      0.00      2.84      1.42
   SRCPARAM L0000318     0.014084507      0.00      2.84      1.42
   SRCPARAM L0000319     0.014084507      0.00      2.84      1.42
   SRCPARAM L0000320     0.014084507      0.00      2.84      1.42
   SRCPARAM L0000321     0.014084507      0.00      2.84      1.42
   SRCPARAM L0000322     0.014084507      0.00      2.84      1.42
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   SRCPARAM L0000324     0.014084507      0.00      2.84      1.42
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   SRCPARAM L0000345     0.014084507      0.00      2.84      1.42
   SRCPARAM L0000346     0.014084507      0.00      2.84      1.42
   SRCPARAM L0000347     0.014084507      0.00      2.84      1.42
   SRCPARAM L0000348     0.014084507      0.00      2.84      1.42
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** LINE VOLUME Source ID = OUT_2
   SRCPARAM L0000349     0.0666666667      0.00      2.84      1.42
   SRCPARAM L0000350     0.0666666667      0.00      2.84      1.42
   SRCPARAM L0000351     0.0666666667      0.00      2.84      1.42
   SRCPARAM L0000352     0.0666666667      0.00      2.84      1.42
   SRCPARAM L0000353     0.0666666667      0.00      2.84      1.42
   SRCPARAM L0000354     0.0666666667      0.00      2.84      1.42
   SRCPARAM L0000355     0.0666666667      0.00      2.84      1.42
   SRCPARAM L0000356     0.0666666667      0.00      2.84      1.42
   SRCPARAM L0000357     0.0666666667      0.00      2.84      1.42
   SRCPARAM L0000358     0.0666666667      0.00      2.84      1.42
   SRCPARAM L0000359     0.0666666667      0.00      2.84      1.42
   SRCPARAM L0000360     0.0666666667      0.00      2.84      1.42
   SRCPARAM L0000361     0.0666666667      0.00      2.84      1.42
   SRCPARAM L0000362     0.0666666667      0.00      2.84      1.42
   SRCPARAM L0000363     0.0666666667      0.00      2.84      1.42
** --------------------------------------------------------------------
** LINE VOLUME Source ID = OUT_3
   SRCPARAM L0000364     0.0093457944      0.00      2.84      1.42
   SRCPARAM L0000365     0.0093457944      0.00      2.84      1.42
   SRCPARAM L0000366     0.0093457944      0.00      2.84      1.42
   SRCPARAM L0000367     0.0093457944      0.00      2.84      1.42
   SRCPARAM L0000368     0.0093457944      0.00      2.84      1.42
   SRCPARAM L0000369     0.0093457944      0.00      2.84      1.42
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SRCPARAM L0000370     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000371     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000372     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000373     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000374     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000375     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000376     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000377     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000378     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000379     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000380     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000381     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000382     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000383     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000384     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000385     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000386     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000387     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000388     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000389     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000390     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000391     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000392     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000393     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000394     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000395     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000396     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000397     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000398     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000399     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000400     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000401     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000402     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000403     0.0093457944      0.00      2.84      1.42
SRCPARAM L0000404     0.0093457944      0.00      2.84      1.42
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SRCPARAM L0000406     0.0093457944      0.00      2.84      1.42
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SRCPARAM L0000408     0.0093457944      0.00      2.84      1.42
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SRCPARAM L0000425     0.0093457944      0.00      2.84      1.42
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   SRCPARAM L0000435     0.0093457944      0.00      2.84      1.42
   SRCPARAM L0000436     0.0093457944      0.00      2.84      1.42
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   SRCPARAM L0000470     0.0093457944      0.00      2.84      1.42
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** LINE VOLUME Source ID = OUT_4
   SRCPARAM L0000471     0.0084033613      0.00      2.84      1.42
   SRCPARAM L0000472     0.0084033613      0.00      2.84      1.42
   SRCPARAM L0000473     0.0084033613      0.00      2.84      1.42
   SRCPARAM L0000474     0.0084033613      0.00      2.84      1.42
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   SRCPARAM L0000481     0.0084033613      0.00      2.84      1.42
   SRCPARAM L0000482     0.0084033613      0.00      2.84      1.42
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   SRCPARAM L0000491     0.0084033613      0.00      2.84      1.42
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   SRCPARAM L0000569     0.0084033613      0.00      2.84      1.42
   SRCPARAM L0000570     0.0084033613      0.00      2.84      1.42
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   SRCPARAM L0000572     0.0084033613      0.00      2.84      1.42
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   SRCPARAM L0000580     0.0084033613      0.00      2.84      1.42
   SRCPARAM L0000581     0.0084033613      0.00      2.84      1.42
   SRCPARAM L0000582     0.0084033613      0.00      2.84      1.42
   SRCPARAM L0000583     0.0084033613      0.00      2.84      1.42
   SRCPARAM L0000584     0.0084033613      0.00      2.84      1.42
   SRCPARAM L0000585     0.0084033613      0.00      2.84      1.42
   SRCPARAM L0000586     0.0084033613      0.00      2.84      1.42
   SRCPARAM L0000587     0.0084033613      0.00      2.84      1.42
   SRCPARAM L0000588     0.0084033613      0.00      2.84      1.42
   SRCPARAM L0000589     0.0084033613      0.00      2.84      1.42
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** LINE VOLUME Source ID = IN_2
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   SRCPARAM L0000603     0.0080645161      0.00      2.84      1.42
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SRCPARAM L0000675     0.0080645161      0.00      2.84      1.42
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   SRCPARAM L0000698     0.0080645161      0.00      2.84      1.42
   SRCPARAM L0000699     0.0080645161      0.00      2.84      1.42
   SRCPARAM L0000700     0.0080645161      0.00      2.84      1.42
   SRCPARAM L0000701     0.0080645161      0.00      2.84      1.42
   SRCPARAM L0000702     0.0080645161      0.00      2.84      1.42
   SRCPARAM L0000703     0.0080645161      0.00      2.84      1.42
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   SRCPARAM L0000712     0.0080645161      0.00      2.84      1.42
   SRCPARAM L0000713     0.0080645161      0.00      2.84      1.42
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** LINE VOLUME Source ID = OUT_5
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   SRCPARAM L0001813     0.0060606061      0.00      2.84      1.42
   SRCPARAM L0001814     0.0060606061      0.00      2.84      1.42
   SRCPARAM L0001815     0.0060606061      0.00      2.84      1.42
   SRCPARAM L0001816     0.0060606061      0.00      2.84      1.42
   SRCPARAM L0001817     0.0060606061      0.00      2.84      1.42
   SRCPARAM L0001818     0.0060606061      0.00      2.84      1.42
   SRCPARAM L0001819     0.0060606061      0.00      2.84      1.42
   SRCPARAM L0001820     0.0060606061      0.00      2.84      1.42
   SRCPARAM L0001821     0.0060606061      0.00      2.84      1.42
   SRCPARAM L0001822     0.0060606061      0.00      2.84      1.42
   SRCPARAM L0001823     0.0060606061      0.00      2.84      1.42
   SRCPARAM L0001824     0.0060606061      0.00      2.84      1.42
   SRCPARAM L0001825     0.0060606061      0.00      2.84      1.42
   SRCPARAM L0001826     0.0060606061      0.00      2.84      1.42
   SRCPARAM L0001827     0.0060606061      0.00      2.84      1.42
   SRCPARAM L0001828     0.0060606061      0.00      2.84      1.42
   SRCPARAM L0001829     0.0060606061      0.00      2.84      1.42
   SRCPARAM L0001830     0.0060606061      0.00      2.84      1.42
   SRCPARAM L0001831     0.0060606061      0.00      2.84      1.42
   SRCPARAM L0001832     0.0060606061      0.00      2.84      1.42
   SRCPARAM L0001833     0.0060606061      0.00      2.84      1.42
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SRCPARAM L0001834     0.0060606061      0.00      2.84      1.42
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SRCPARAM L0001836     0.0060606061      0.00      2.84      1.42
SRCPARAM L0001837     0.0060606061      0.00      2.84      1.42
SRCPARAM L0001838     0.0060606061      0.00      2.84      1.42
SRCPARAM L0001839     0.0060606061      0.00      2.84      1.42
SRCPARAM L0001840     0.0060606061      0.00      2.84      1.42
SRCPARAM L0001841     0.0060606061      0.00      2.84      1.42
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SRCPARAM L0001951     0.0060606061      0.00      2.84      1.42
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SRCPARAM L0001957     0.0060606061      0.00      2.84      1.42
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   SRCPARAM L0001975     0.0060606061      0.00      2.84      1.42
   SRCPARAM L0001976     0.0060606061      0.00      2.84      1.42
** ------------------------------------------------------------------
** LINE VOLUME Source ID = IN_3
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   SRCPARAM STCK2              1.0     1.115   388.700        25     0.044
   SRCPARAM STCK3              1.0     1.115   388.700        25     0.044
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   SRCPARAM STCK4              1.0     1.115   388.700        25     0.044
   SRCPARAM STCK5              1.0     1.115   388.700        25     0.044
   SRCPARAM STCK6              1.0     1.115   388.700        25     0.044
   SRCPARAM STCK7              1.0     1.115   388.700        25     0.044
   SRCPARAM STCK8              1.0     1.115   388.700        25     0.044
   SRCPARAM STCK9              1.0     1.115   388.700        25     0.044
   SRCPARAM STCK10             1.0     1.115   388.700        25     0.044
   SRCPARAM STCK11             1.0     1.115   388.700        25     0.044
   SRCPARAM STCK12             1.0     1.115   388.700        25     0.044

** Building Downwash **
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   BUILDHGT STCK1           12.19    12.19    12.19    12.19    12.19     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00    12.19
   BUILDHGT STCK1           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK1           12.19    12.19    12.19    12.19    12.19     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00    12.19

   BUILDHGT STCK2           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK2           12.19    12.19    12.19    12.19    12.19    12.19
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   BUILDHGT STCK2           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK2           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK2           12.19    12.19     0.00     0.00     0.00    12.19

   BUILDHGT STCK3           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK3           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK3           12.19    12.19    12.19     0.00     0.00    12.19
   BUILDHGT STCK3           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK3           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK3           12.19    12.19    12.19     0.00     0.00    12.19

   BUILDHGT STCK4           12.19    12.19    12.19    12.19    12.19    12.19
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   BUILDHGT STCK4           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK4           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK4           12.19    12.19    12.19    12.19     0.00     0.00

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   BUILDHGT STCK8           12.19    12.19    12.19    12.19    12.19    12.19
   BUILDHGT STCK8           12.19    12.19    12.19    12.19    12.19    12.19
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BUILDHGT STCK8	12.19	12.19	12.19	12.19	0.00	0.00
BUILDHGT STCK8	12.19	12.19	12.19	12.19	12.19	12.19
BUILDHGT STCK8	12.19	12.19	12.19	12.19	12.19	12.19
BUILDHGT STCK8	12.19	12.19	12.19	12.19	0.00	0.00
BUILDHGT STCK9	12.19	12.19	12.19	12.19	12.19	12.19
BUILDHGT STCK9	12.19	12.19	12.19	12.19	12.19	12.19
BUILDHGT STCK9	12.19	12.19	12.19	12.19	0.00	0.00
BUILDHGT STCK9	12.19	12.19	12.19	12.19	12.19	12.19
BUILDHGT STCK9	12.19	12.19	12.19	12.19	12.19	12.19
BUILDHGT STCK9	12.19	12.19	12.19	12.19	0.00	0.00
BUILDHGT STCK10	0.00	12.19	12.19	12.19	12.19	12.19
BUILDHGT STCK10	12.19	12.19	12.19	12.19	12.19	12.19
BUILDHGT STCK10	12.19	12.19	12.19	12.19	12.19	0.00
BUILDHGT STCK10	0.00	12.19	12.19	12.19	12.19	12.19
BUILDHGT STCK10	12.19	12.19	12.19	12.19	12.19	12.19
BUILDHGT STCK10	12.19	12.19	12.19	12.19	12.19	0.00
BUILDHGT STCK11	0.00	12.19	12.19	12.19	12.19	12.19
BUILDHGT STCK11	12.19	12.19	12.19	12.19	12.19	12.19
BUILDHGT STCK11	12.19	12.19	12.19	12.19	12.19	0.00
BUILDHGT STCK11	0.00	12.19	12.19	12.19	12.19	12.19
BUILDHGT STCK11	12.19	12.19	12.19	12.19	12.19	12.19
BUILDHGT STCK11	12.19	12.19	12.19	12.19	12.19	0.00
BUILDHGT STCK12	0.00	0.00	0.00	12.19	12.19	12.19
BUILDHGT STCK12	12.19	12.19	12.19	12.19	12.19	12.19
BUILDHGT STCK12	12.19	12.19	12.19	12.19	12.19	0.00
BUILDHGT STCK12	0.00	0.00	0.00	12.19	12.19	12.19
BUILDHGT STCK12	12.19	12.19	12.19	12.19	12.19	12.19
BUILDHGT STCK12	12.19	12.19	12.19	12.19	12.19	0.00
BUILDWID STCK1	117.64	149.15	176.12	197.75	213.36	222.50
BUILDWID STCK1	224.87	220.41	218.59	223.37	221.37	0.00
BUILDWID STCK1	0.00	0.00	0.00	0.00	0.00	82.56
BUILDWID STCK1	117.64	149.15	176.12	197.75	213.36	222.50
BUILDWID STCK1	224.87	220.41	218.59	223.37	221.37	0.00
BUILDWID STCK1	0.00	0.00	0.00	0.00	0.00	82.56
BUILDWID STCK2	117.64	149.15	176.12	197.75	213.36	222.50
BUILDWID STCK2	224.87	220.41	218.59	223.37	221.37	212.63
BUILDWID STCK2	197.44	176.25	0.00	0.00	0.00	82.56
BUILDWID STCK2	117.64	149.15	176.12	197.75	213.36	222.50
BUILDWID STCK2	224.87	220.41	218.59	223.37	221.37	212.63
BUILDWID STCK2	197.44	176.25	0.00	0.00	0.00	82.56
BUILDWID STCK3	117.64	149.15	176.12	197.75	213.36	222.50
BUILDWID STCK3	224.87	220.41	218.59	223.37	221.37	212.63
BUILDWID STCK3	197.44	176.25	149.70	0.00	0.00	82.56
BUILDWID STCK3	117.64	149.15	176.12	197.75	213.36	222.50
BUILDWID STCK3	224.87	220.41	218.59	223.37	221.37	212.63
BUILDWID STCK3	197.44	176.25	149.70	0.00	0.00	82.56
BUILDWID STCK4	117.64	149.15	176.12	197.75	213.36	222.50
BUILDWID STCK4	224.87	220.41	218.59	223.37	221.37	212.63
BUILDWID STCK4	197.44	176.25	149.70	118.61	0.00	0.00
BUILDWID STCK4	117.64	149.15	176.12	197.75	213.36	222.50
BUILDWID STCK4	224.87	220.41	218.59	223.37	221.37	212.63
BUILDWID STCK4	197.44	176.25	149.70	118.61	0.00	0.00
BUILDWID STCK5	117.64	149.15	176.12	197.75	213.36	222.50

BUILDWID STCK5	224.87	220.41	218.59	223.37	221.37	212.63
BUILDWID STCK5	197.44	176.25	149.70	118.61	0.00	0.00
BUILDWID STCK5	117.64	149.15	176.12	197.75	213.36	222.50
BUILDWID STCK5	224.87	220.41	218.59	223.37	221.37	212.63
BUILDWID STCK5	197.44	176.25	149.70	118.61	0.00	0.00
BUILDWID STCK6	117.64	149.15	176.12	197.75	213.36	222.50
BUILDWID STCK6	224.87	220.41	218.59	223.37	221.37	212.63
BUILDWID STCK6	197.44	176.25	149.70	118.61	0.00	0.00
BUILDWID STCK6	117.64	149.15	176.12	197.75	213.36	222.50
BUILDWID STCK6	224.87	220.41	218.59	223.37	221.37	212.63
BUILDWID STCK6	197.44	176.25	149.70	118.61	0.00	0.00
BUILDWID STCK7	117.64	149.15	176.12	197.75	213.36	222.50
BUILDWID STCK7	224.87	220.41	218.59	223.37	221.37	212.63
BUILDWID STCK7	197.44	176.25	149.70	118.61	0.00	0.00
BUILDWID STCK7	117.64	149.15	176.12	197.75	213.36	222.50
BUILDWID STCK7	224.87	220.41	218.59	223.37	221.37	212.63
BUILDWID STCK7	197.44	176.25	149.70	118.61	0.00	0.00
BUILDWID STCK8	117.64	149.15	176.12	197.75	213.36	222.50
BUILDWID STCK8	224.87	220.41	218.59	223.37	221.37	212.63
BUILDWID STCK8	197.44	176.25	149.70	118.61	0.00	0.00
BUILDWID STCK8	117.64	149.15	176.12	197.75	213.36	222.50
BUILDWID STCK8	224.87	220.41	218.59	223.37	221.37	212.63
BUILDWID STCK8	197.44	176.25	149.70	118.61	0.00	0.00
BUILDWID STCK9	117.64	149.15	176.12	197.75	213.36	222.50
BUILDWID STCK9	224.87	220.41	218.59	223.37	221.37	212.63
BUILDWID STCK9	197.44	176.25	149.70	118.61	0.00	0.00
BUILDWID STCK9	117.64	149.15	176.12	197.75	213.36	222.50
BUILDWID STCK9	224.87	220.41	218.59	223.37	221.37	212.63
BUILDWID STCK9	197.44	176.25	149.70	118.61	0.00	0.00
BUILDWID STCK10	0.00	149.15	176.12	197.75	213.36	222.50
BUILDWID STCK10	224.87	220.41	218.59	223.37	221.37	212.63
BUILDWID STCK10	197.44	176.25	149.70	118.61	83.91	0.00
BUILDWID STCK10	0.00	149.15	176.12	197.75	213.36	222.50
BUILDWID STCK10	224.87	220.41	218.59	223.37	221.37	212.63
BUILDWID STCK10	197.44	176.25	149.70	118.61	83.91	0.00
BUILDWID STCK11	0.00	149.15	176.12	197.75	213.36	222.50
BUILDWID STCK11	224.87	220.41	218.59	223.37	221.37	212.63
BUILDWID STCK11	197.44	176.25	149.70	118.61	83.91	0.00
BUILDWID STCK11	0.00	149.15	176.12	197.75	213.36	222.50
BUILDWID STCK11	224.87	220.41	218.59	223.37	221.37	212.63
BUILDWID STCK11	197.44	176.25	149.70	118.61	83.91	0.00
BUILDWID STCK12	0.00	0.00	0.00	197.75	213.36	222.50
BUILDWID STCK12	224.87	220.41	218.59	223.37	221.37	212.63
BUILDWID STCK12	197.44	176.25	149.70	118.61	83.91	0.00
BUILDWID STCK12	0.00	0.00	0.00	197.75	213.36	222.50
BUILDWID STCK12	224.87	220.41	218.59	223.37	221.37	212.63
BUILDWID STCK12	197.44	176.25	149.70	118.61	83.91	0.00
BUILDLEN STCK1	223.37	221.37	212.63	197.44	176.25	149.70
BUILDLEN STCK1	118.61	83.91	82.56	117.64	149.15	0.00
BUILDLEN STCK1	0.00	0.00	0.00	0.00	0.00	218.59
BUILDLEN STCK1	223.37	221.37	212.63	197.44	176.25	149.70
BUILDLEN STCK1	118.61	83.91	82.56	117.64	149.15	0.00
BUILDLEN STCK1	0.00	0.00	0.00	0.00	0.00	218.59

BUILDLEN STCK2	223.37	221.37	212.63	197.44	176.25	149.70
BUILDLEN STCK2	118.61	83.91	82.56	117.64	149.15	176.12
BUILDLEN STCK2	197.75	213.36	0.00	0.00	0.00	218.59
BUILDLEN STCK2	223.37	221.37	212.63	197.44	176.25	149.70
BUILDLEN STCK2	118.61	83.91	82.56	117.64	149.15	176.12
BUILDLEN STCK2	197.75	213.36	0.00	0.00	0.00	218.59
BUILDLEN STCK3	223.37	221.37	212.63	197.44	176.25	149.70
BUILDLEN STCK3	118.61	83.91	82.56	117.64	149.15	176.12
BUILDLEN STCK3	197.75	213.36	222.50	0.00	0.00	218.59
BUILDLEN STCK3	223.37	221.37	212.63	197.44	176.25	149.70
BUILDLEN STCK3	118.61	83.91	82.56	117.64	149.15	176.12
BUILDLEN STCK3	197.75	213.36	222.50	0.00	0.00	218.59
BUILDLEN STCK4	223.37	221.37	212.63	197.44	176.25	149.70
BUILDLEN STCK4	118.61	83.91	82.56	117.64	149.15	176.12
BUILDLEN STCK4	197.75	213.36	222.50	224.87	0.00	0.00
BUILDLEN STCK4	223.37	221.37	212.63	197.44	176.25	149.70
BUILDLEN STCK4	118.61	83.91	82.56	117.64	149.15	176.12
BUILDLEN STCK4	197.75	213.36	222.50	224.87	0.00	0.00
BUILDLEN STCK5	223.37	221.37	212.63	197.44	176.25	149.70
BUILDLEN STCK5	118.61	83.91	82.56	117.64	149.15	176.12
BUILDLEN STCK5	197.75	213.36	222.50	224.87	0.00	0.00
BUILDLEN STCK5	223.37	221.37	212.63	197.44	176.25	149.70
BUILDLEN STCK5	118.61	83.91	82.56	117.64	149.15	176.12
BUILDLEN STCK5	197.75	213.36	222.50	224.87	0.00	0.00
BUILDLEN STCK6	223.37	221.37	212.63	197.44	176.25	149.70
BUILDLEN STCK6	118.61	83.91	82.56	117.64	149.15	176.12
BUILDLEN STCK6	197.75	213.36	222.50	224.87	0.00	0.00
BUILDLEN STCK6	223.37	221.37	212.63	197.44	176.25	149.70
BUILDLEN STCK6	118.61	83.91	82.56	117.64	149.15	176.12
BUILDLEN STCK6	197.75	213.36	222.50	224.87	0.00	0.00
BUILDLEN STCK7	223.37	221.37	212.63	197.44	176.25	149.70
BUILDLEN STCK7	118.61	83.91	82.56	117.64	149.15	176.12
BUILDLEN STCK7	197.75	213.36	222.50	224.87	0.00	0.00
BUILDLEN STCK7	223.37	221.37	212.63	197.44	176.25	149.70
BUILDLEN STCK7	118.61	83.91	82.56	117.64	149.15	176.12
BUILDLEN STCK7	197.75	213.36	222.50	224.87	0.00	0.00
BUILDLEN STCK8	223.37	221.37	212.63	197.44	176.25	149.70
BUILDLEN STCK8	118.61	83.91	82.56	117.64	149.15	176.12
BUILDLEN STCK8	197.75	213.36	222.50	224.87	0.00	0.00
BUILDLEN STCK8	223.37	221.37	212.63	197.44	176.25	149.70
BUILDLEN STCK8	118.61	83.91	82.56	117.64	149.15	176.12
BUILDLEN STCK8	197.75	213.36	222.50	224.87	0.00	0.00
BUILDLEN STCK9	223.37	221.37	212.63	197.44	176.25	149.70
BUILDLEN STCK9	118.61	83.91	82.56	117.64	149.15	176.12
BUILDLEN STCK9	197.75	213.36	222.50	224.87	0.00	0.00
BUILDLEN STCK9	223.37	221.37	212.63	197.44	176.25	149.70
BUILDLEN STCK9	118.61	83.91	82.56	117.64	149.15	176.12
BUILDLEN STCK9	197.75	213.36	222.50	224.87	0.00	0.00
BUILDLEN STCK10	0.00	221.37	212.63	197.44	176.25	149.70
BUILDLEN STCK10	118.61	83.91	82.56	117.64	149.15	176.12
BUILDLEN STCK10	197.75	213.36	222.50	224.87	220.41	0.00
BUILDLEN STCK10	0.00	221.37	212.63	197.44	176.25	149.70
BUILDLEN STCK10	118.61	83.91	82.56	117.64	149.15	176.12
BUILDLEN STCK10	197.75	213.36	222.50	224.87	220.41	0.00

BUILDLEN	STCK11	0.00	221.37	212.63	197.44	176.25	149.70
BUILDLEN	STCK11	118.61	83.91	82.56	117.64	149.15	176.12
BUILDLEN	STCK11	197.75	213.36	222.50	224.87	220.41	0.00
BUILDLEN	STCK11	0.00	221.37	212.63	197.44	176.25	149.70
BUILDLEN	STCK11	118.61	83.91	82.56	117.64	149.15	176.12
BUILDLEN	STCK11	197.75	213.36	222.50	224.87	220.41	0.00
BUILDLEN	STCK12	0.00	0.00	0.00	197.44	176.25	149.70
BUILDLEN	STCK12	118.61	83.91	82.56	117.64	149.15	176.12
BUILDLEN	STCK12	197.75	213.36	222.50	224.87	220.41	0.00
BUILDLEN	STCK12	0.00	0.00	0.00	197.44	176.25	149.70
BUILDLEN	STCK12	118.61	83.91	82.56	117.64	149.15	176.12
BUILDLEN	STCK12	197.75	213.36	222.50	224.87	220.41	0.00
XBADJ	STCK1	0.69	4.05	7.28	10.29	12.99	15.30
XBADJ	STCK1	17.14	18.46	0.91	-35.72	-71.27	0.00
XBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	-215.90
XBADJ	STCK1	-224.06	-225.41	-219.91	-207.74	-189.24	-165.00
XBADJ	STCK1	-135.75	-102.37	-83.47	-81.92	-77.88	0.00
XBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	-2.69
XBADJ	STCK2	-13.18	-8.76	-4.06	0.75	5.55	10.17
XBADJ	STCK2	14.49	18.36	3.37	-30.78	-63.99	-95.26
XBADJ	STCK2	-123.63	-148.25	0.00	0.00	0.00	-201.38
XBADJ	STCK2	-210.19	-212.61	-208.57	-198.19	-181.80	-159.87
XBADJ	STCK2	-133.09	-102.27	-85.93	-86.86	-85.16	-80.87
XBADJ	STCK2	-74.12	-65.12	0.00	0.00	0.00	-17.21
XBADJ	STCK3	-36.22	-30.42	-23.69	-16.24	-8.29	-0.10
XBADJ	STCK3	8.10	16.06	5.21	-24.85	-54.15	-81.80
XBADJ	STCK3	-106.97	-128.89	-146.90	0.00	0.00	-177.66
XBADJ	STCK3	-187.15	-190.95	-188.95	-181.21	-167.96	-149.61
XBADJ	STCK3	-126.71	-99.96	-87.77	-92.80	-95.00	-94.32
XBADJ	STCK3	-90.77	-84.47	-75.60	0.00	0.00	-40.93
XBADJ	STCK4	-49.34	-42.75	-34.87	-25.92	-16.19	-5.96
XBADJ	STCK4	4.44	14.72	6.23	-21.50	-48.57	-74.17
XBADJ	STCK4	-97.51	-117.90	-134.70	-147.40	0.00	0.00
XBADJ	STCK4	-174.03	-178.61	-177.77	-171.52	-160.06	-143.74
XBADJ	STCK4	-123.05	-98.62	-88.79	-96.14	-100.58	-101.95
XBADJ	STCK4	-100.23	-95.47	-87.80	-77.47	0.00	0.00
XBADJ	STCK5	-70.29	-62.12	-52.08	-40.45	-27.59	-13.89
XBADJ	STCK5	0.23	14.34	9.71	-14.27	-37.82	-60.22
XBADJ	STCK5	-80.78	-98.90	-114.01	-125.65	0.00	0.00
XBADJ	STCK5	-153.09	-159.24	-160.56	-157.00	-148.66	-135.81
XBADJ	STCK5	-118.84	-98.25	-92.27	-103.37	-111.33	-115.91
XBADJ	STCK5	-116.96	-114.47	-108.49	-99.22	0.00	0.00
XBADJ	STCK6	-85.25	-76.26	-64.95	-51.67	-36.82	-20.85
XBADJ	STCK6	-4.25	12.49	10.53	-10.80	-31.80	-51.84
XBADJ	STCK6	-70.30	-86.62	-100.31	-110.96	0.00	0.00
XBADJ	STCK6	-138.12	-145.11	-147.68	-145.77	-139.43	-128.85
XBADJ	STCK6	-114.36	-96.40	-93.09	-106.84	-117.35	-124.29
XBADJ	STCK6	-127.45	-126.74	-122.18	-113.91	0.00	0.00
XBADJ	STCK7	-103.09	-92.99	-80.07	-64.72	-47.40	-28.64
XBADJ	STCK7	-9.01	10.90	12.16	-6.00	-23.98	-41.22
XBADJ	STCK7	-57.22	-71.48	-83.56	-93.11	0.00	0.00
XBADJ	STCK7	-120.28	-128.37	-132.56	-132.72	-128.85	-121.07
XBADJ	STCK7	-109.60	-94.81	-94.72	-111.64	-125.17	-134.90

XBADJ	STCK7	-140.53	-141.89	-138.93	-131.76	0.00	0.00
XBADJ	STCK8	-120.64	-109.56	-95.15	-77.85	-58.19	-36.75
XBADJ	STCK8	-14.20	8.78	13.18	-1.87	-16.86	-31.34
XBADJ	STCK8	-44.87	-57.03	-67.46	-75.85	0.00	0.00
XBADJ	STCK8	-102.74	-111.81	-117.48	-119.59	-118.06	-112.95
XBADJ	STCK8	-104.40	-92.68	-95.74	-115.77	-132.29	-144.78
XBADJ	STCK8	-152.88	-156.33	-155.03	-149.02	0.00	0.00
XBADJ	STCK9	-140.49	-128.21	-112.04	-92.46	-70.07	-45.56
XBADJ	STCK9	-19.66	6.84	14.82	3.30	-8.33	-19.70
XBADJ	STCK9	-30.47	-40.31	-48.93	-56.07	0.00	0.00
XBADJ	STCK9	-82.88	-93.15	-100.59	-104.98	-106.18	-104.15
XBADJ	STCK9	-98.95	-90.75	-97.38	-120.94	-140.82	-156.43
XBADJ	STCK9	-167.28	-173.05	-173.56	-168.80	0.00	0.00
XBADJ	STCK10	0.00	-142.52	-124.96	-103.61	-79.10	-52.20
XBADJ	STCK10	-23.70	5.51	16.25	7.44	-1.60	-10.58
XBADJ	STCK10	-19.25	-27.33	-34.58	-40.78	-45.74	0.00
XBADJ	STCK10	0.00	-78.84	-87.67	-93.83	-97.15	-97.51
XBADJ	STCK10	-94.91	-89.42	-98.81	-125.08	-147.55	-165.54
XBADJ	STCK10	-178.50	-186.04	-187.92	-184.09	-174.67	0.00
XBADJ	STCK11	0.00	-159.33	-140.18	-116.78	-89.84	-60.16
XBADJ	STCK11	-28.65	3.73	17.68	12.04	6.04	-0.14
XBADJ	STCK11	-6.32	-12.31	-17.93	-23.00	-27.37	0.00
XBADJ	STCK11	0.00	-62.04	-72.45	-80.66	-86.42	-89.55
XBADJ	STCK11	-89.96	-87.64	-100.24	-129.69	-155.19	-175.98
XBADJ	STCK11	-191.42	-201.05	-204.57	-201.87	-193.04	0.00
XBADJ	STCK12	0.00	0.00	0.00	-127.45	-98.46	-66.47
XBADJ	STCK12	-32.47	2.52	19.12	16.09	12.57	8.67
XBADJ	STCK12	4.50	0.20	-4.11	-8.29	-12.22	0.00
XBADJ	STCK12	0.00	0.00	0.00	-69.99	-77.79	-83.23
XBADJ	STCK12	-86.14	-86.43	-101.68	-133.73	-161.72	-184.79
XBADJ	STCK12	-202.25	-213.57	-218.39	-216.58	-208.19	0.00
YBADJ	STCK1	-23.10	-3.31	16.58	35.97	54.27	70.92
YBADJ	STCK1	85.41	97.30	106.61	112.37	114.73	0.00
YBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	42.19
YBADJ	STCK1	23.10	3.31	-16.58	-35.97	-54.27	-70.92
YBADJ	STCK1	-85.41	-97.30	-106.61	-112.37	-114.73	0.00
YBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	-42.19
YBADJ	STCK2	-28.04	-10.59	7.19	24.76	41.56	57.11
YBADJ	STCK2	70.92	82.58	92.09	98.50	101.93	102.25
YBADJ	STCK2	99.47	93.67	0.00	0.00	0.00	44.65
YBADJ	STCK2	28.04	10.59	-7.19	-24.76	-41.57	-57.11
YBADJ	STCK2	-70.92	-82.58	-92.09	-98.50	-101.93	-102.25
YBADJ	STCK2	-99.47	-93.67	0.00	0.00	0.00	-44.65
YBADJ	STCK3	-33.97	-20.43	-6.26	8.10	22.21	35.65
YBADJ	STCK3	48.00	58.90	68.37	75.46	80.27	82.63
YBADJ	STCK3	82.49	79.83	74.76	0.00	0.00	46.49
YBADJ	STCK3	33.97	20.43	6.26	-8.10	-22.21	-35.65
YBADJ	STCK3	-48.00	-58.90	-68.37	-75.46	-80.27	-82.63
YBADJ	STCK3	-82.49	-79.83	-74.76	0.00	0.00	-46.49
YBADJ	STCK4	-37.32	-26.00	-13.89	-1.36	11.21	23.45
YBADJ	STCK4	34.97	45.43	54.87	62.34	67.93	71.45
YBADJ	STCK4	72.80	71.94	68.89	63.75	0.00	0.00
YBADJ	STCK4	37.32	26.00	13.89	1.36	-11.21	-23.45

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YBADJ    STCK4          -34.97   -45.43   -54.87   -62.34   -67.93   -71.45
YBADJ    STCK4          -72.80   -71.94   -68.89   -63.75     0.00     0.00

YBADJ    STCK5          -44.55   -36.76   -27.85   -18.09    -7.78     2.76
YBADJ    STCK5           13.22    23.28    32.99    41.40    48.56    54.24
YBADJ    STCK5           58.28    60.54    60.96    59.53     0.00     0.00
YBADJ    STCK5           44.55    36.76    27.85    18.09     7.78    -2.76
YBADJ    STCK5          -13.22   -23.28   -32.99   -41.40   -48.56   -54.24
YBADJ    STCK5          -58.28   -60.54   -60.96   -59.53     0.00     0.00

YBADJ    STCK6          -48.02   -42.77   -36.23   -28.58   -20.06   -10.94
YBADJ    STCK6           -1.48     8.03    17.65    26.44    34.42    41.37
YBADJ    STCK6           47.05    51.31    54.00    55.06     0.00     0.00
YBADJ    STCK6           48.02    42.77    36.23    28.58    20.06    10.94
YBADJ    STCK6            1.48    -8.03   -17.65   -26.44   -34.42   -41.37
YBADJ    STCK6          -47.05   -51.31   -54.00   -55.06     0.00     0.00

YBADJ    STCK7          -52.82   -50.60   -46.84   -41.65   -35.20   -27.69
YBADJ    STCK7          -19.33   -10.38    -0.75     8.60    17.69    26.25
YBADJ    STCK7           34.00    40.73    46.21    50.30     0.00     0.00
YBADJ    STCK7           52.82    50.60    46.84    41.65    35.20    27.69
YBADJ    STCK7           19.33    10.38     0.75    -8.60   -17.69   -26.25
YBADJ    STCK7          -34.00   -40.73   -46.21   -50.30     0.00     0.00

YBADJ    STCK8          -56.95   -57.71   -56.72   -54.01   -49.65   -43.78
YBADJ    STCK8          -36.59   -28.28   -18.75    -8.95     1.13    11.17
YBADJ    STCK8           20.87    29.94    38.10    45.10     0.00     0.00
YBADJ    STCK8           56.95    57.71    56.72    54.01    49.65    43.78
YBADJ    STCK8           36.59    28.28    18.75     8.95    -1.13   -11.17
YBADJ    STCK8          -20.87   -29.94   -38.10   -45.10     0.00     0.00

YBADJ    STCK9          -62.12   -66.25   -68.37   -68.41   -66.37   -62.31
YBADJ    STCK9          -56.37   -48.71   -39.20   -28.81   -17.53    -5.72
YBADJ    STCK9            6.26    18.05    29.29    39.65     0.00     0.00
YBADJ    STCK9           62.12    66.25    68.37    68.41    66.37    62.31
YBADJ    STCK9           56.37    48.71    39.20    28.81    17.53     5.72
YBADJ    STCK9           -6.26   -18.05   -29.29   -39.65     0.00     0.00

YBADJ    STCK10           0.00   -72.98   -77.48   -79.63   -79.35   -76.67
YBADJ    STCK10         -71.66   -64.46   -54.95   -44.07   -31.84   -18.65
YBADJ    STCK10          -4.89     9.02    22.66    35.60    47.47     0.00
YBADJ    STCK10           0.00    72.98    77.48    79.63    79.35    76.67
YBADJ    STCK10          71.66    64.46    54.95    44.07    31.84    18.65
YBADJ    STCK10           4.89    -9.02   -22.66   -35.60   -47.47     0.00

YBADJ    STCK11           0.00   -80.62   -87.92   -92.55   -94.37   -93.32
YBADJ    STCK11         -89.43   -82.83   -73.35   -61.94   -48.64   -33.87
YBADJ    STCK11         -18.06    -1.71    14.70    30.65    45.68     0.00
YBADJ    STCK11           0.00    80.62    87.92    92.55    94.37    93.32
YBADJ    STCK11          89.43    82.83    73.35    61.94    48.64    33.87
YBADJ    STCK11          18.06     1.71   -14.70   -30.65   -45.68     0.00

YBADJ    STCK12           0.00     0.00     0.00  -103.38  -106.88  -107.14
YBADJ    STCK12        -104.15   -97.98   -88.48   -76.59   -62.37   -46.25
YBADJ    STCK12         -28.73   -10.33     8.38    26.83    44.47     0.00
YBADJ    STCK12           0.00     0.00     0.00   103.38   106.88   107.14
YBADJ    STCK12         104.14    97.98    88.48    76.59    62.37    46.25
YBADJ    STCK12          28.73    10.33    -8.38   -26.83   -44.47     0.00

SRCGROUP IN_1     L0000134 L0000135 L0000136 L0000137 L0000138 L0000139
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SRCGROUP IN_1     L0000146 L0000147 L0000148 L0000149 L0000150 L0000151
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SRCGROUP IN_1     L0000176 L0000177 L0000178 L0000179 L0000180 L0000181
SRCGROUP IN_1     L0000182 L0000183 L0000184 L0000185 L0000186 L0000187
SRCGROUP IN_1     L0000188 L0000189 L0000190 L0000191 L0000192 L0000193
SRCGROUP IN_1     L0000194 L0000195 L0000196 L0000197 L0000198 L0000199
SRCGROUP IN_1     L0000200 L0000201 L0000202 L0000203 L0000204 L0000205
SRCGROUP IN_1     L0000206 L0000207 L0000208 L0000209 L0000210 L0000211
SRCGROUP IN_1     L0000212 L0000213 L0000214 L0000215 L0000216 L0000217
SRCGROUP IN_1     L0000218 L0000219 L0000220 L0000221 L0000222 L0000223
SRCGROUP IN_1     L0000224 L0000225 L0000226 L0000227 L0000228 L0000229
SRCGROUP IN_1     L0000230 L0000231 L0000232 L0000233 L0000234 L0000235
SRCGROUP IN_1     L0000236 L0000237 L0000238 L0000239 L0000240 L0000241
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SRCGROUP IN_1     L0000248 L0000249 L0000250 L0000251 L0000252 L0000253
SRCGROUP IN_1     L0000254 L0000255 L0000256 L0000257 L0000258 L0000259
SRCGROUP IN_1     L0000260 L0000261 L0000262 L0000263 L0000264 L0000265
SRCGROUP IN_1     L0000266 L0000267 L0000268 L0000269 L0000270 L0000271
SRCGROUP IN_1     L0000272 L0000273 L0000274 L0000275 L0000276 L0000277
SRCGROUP IN_2     L0000590 L0000591 L0000592 L0000593 L0000594 L0000595
SRCGROUP IN_2     L0000596 L0000597 L0000598 L0000599 L0000600 L0000601
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SRCGROUP IN_2     L0000614 L0000615 L0000616 L0000617 L0000618 L0000619
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SRCGROUP IN_2     L0000698 L0000699 L0000700 L0000701 L0000702 L0000703
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SRCGROUP IN_2     L0000710 L0000711 L0000712 L0000713
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SRCGROUP IN_3     L0001681 L0001682 L0001683 L0001684 L0001685 L0001686
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SRCGROUP IN_3     L0001693 L0001694 L0001695 L0001696 L0001697 L0001698
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SRCGROUP IN_3     L0001747 L0001748 L0001749 L0001750 L0001751 L0001752
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SRCGROUP IN_3     L0001765 L0001766 L0001767 L0001768 L0001769 L0001770
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SRCGROUP IN_3     L0001807 L0001808 L0001809 L0001810 L0001811
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SRCGROUP ONSI_C1  L0001046 L0001047 L0001048 L0001049 L0001050 L0001051
SRCGROUP ONSI_C1  L0001052 L0001053 L0001054 L0001055 L0001056 L0001057
SRCGROUP ONSI_C2  L0001058 L0001059 L0001060 L0001061 L0001062 L0001063
SRCGROUP ONSI_C2  L0001064 L0001065 L0001066 L0001067 L0001068 L0001069
SRCGROUP ONSI_C3  L0001070 L0001071 L0001072 L0001073 L0001074 L0001075
SRCGROUP ONSI_C3  L0001076 L0001077 L0001078 L0001079 L0001080 L0001081
SRCGROUP ONSI_C3  L0001082
SRCGROUP ONSI_C4  L0001083 L0001084 L0001085 L0001086 L0001087 L0001088
SRCGROUP ONSI_C4  L0001089 L0001090 L0001091 L0001092 L0001093 L0001094
SRCGROUP ONSI_C4  L0001095 L0001096 L0001097 L0001098
SRCGROUP ONSI_C5  L0001099 L0001100 L0001101 L0001102 L0001103 L0001104
SRCGROUP ONSI_C5  L0001105 L0001106
SRCGROUP ONSI_C6  L0000068 L0000069 L0000070 L0000071 L0000072 L0000073
SRCGROUP ONSI_C6  L0000074
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SRCGROUP OUT_1    L0000284 L0000285 L0000286 L0000287 L0000288 L0000289
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SRCGROUP OUT_1    L0000296 L0000297 L0000298 L0000299 L0000300 L0000301
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SRCGROUP OUT_4    L0000495 L0000496 L0000497 L0000498 L0000499 L0000500
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SRCGROUP OUT_4    L0000507 L0000508 L0000509 L0000510 L0000511 L0000512
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   SRCGROUP OUT_5    L0001890 L0001891 L0001892 L0001893 L0001894 L0001895
   SRCGROUP OUT_5    L0001896 L0001897 L0001898 L0001899 L0001900 L0001901
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   SRCGROUP OUT_5    L0001914 L0001915 L0001916 L0001917 L0001918 L0001919
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   SRCGROUP OUT_5    L0001932 L0001933 L0001934 L0001935 L0001936 L0001937
   SRCGROUP OUT_5    L0001938 L0001939 L0001940 L0001941 L0001942 L0001943
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   SRCGROUP OUT_5    L0001950 L0001951 L0001952 L0001953 L0001954 L0001955
   SRCGROUP OUT_5    L0001956 L0001957 L0001958 L0001959 L0001960 L0001961
   SRCGROUP OUT_5    L0001962 L0001963 L0001964 L0001965 L0001966 L0001967
   SRCGROUP OUT_5    L0001968 L0001969 L0001970 L0001971 L0001972 L0001973
   SRCGROUP OUT_5    L0001974 L0001975 L0001976
   SRCGROUP STCK1    STCK1
   SRCGROUP STCK10   STCK10
   SRCGROUP STCK11   STCK11
   SRCGROUP STCK12   STCK12
   SRCGROUP STCK2    STCK2
   SRCGROUP STCK3    STCK3
   SRCGROUP STCK4    STCK4
   SRCGROUP STCK5    STCK5
   SRCGROUP STCK6    STCK6
   SRCGROUP STCK7    STCK7
   SRCGROUP STCK8    STCK8
   SRCGROUP STCK9    STCK9
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED Operational.rou
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RE FINISHED
**
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** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\NAPA_COLLEGE_2013-2017.SFC
   PROFFILE ..\NAPA_COLLEGE_2013-2017.PFL
   SURFDATA 93227 2013
   UAIRDATA 23230 2013 OAKLAND/WSO_AP
   SITEDATA 4902 2013
   PROFBASE 4.3 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 IN_1 1ST OPERATIONAL.AD\01H1G001.PLT 31
   PLOTFILE 1 IN_2 1ST OPERATIONAL.AD\01H1G002.PLT 32
   PLOTFILE 1 IN_3 1ST OPERATIONAL.AD\01H1G003.PLT 33
   PLOTFILE 1 ONSI_C1 1ST OPERATIONAL.AD\01H1G004.PLT 34
   PLOTFILE 1 ONSI_C2 1ST OPERATIONAL.AD\01H1G005.PLT 35
   PLOTFILE 1 ONSI_C3 1ST OPERATIONAL.AD\01H1G006.PLT 36
   PLOTFILE 1 ONSI_C4 1ST OPERATIONAL.AD\01H1G007.PLT 37
   PLOTFILE 1 ONSI_C5 1ST OPERATIONAL.AD\01H1G008.PLT 38
   PLOTFILE 1 ONSI_C6 1ST OPERATIONAL.AD\01H1G009.PLT 39
   PLOTFILE 1 OUT_1 1ST OPERATIONAL.AD\01H1G010.PLT 40
   PLOTFILE 1 OUT_2 1ST OPERATIONAL.AD\01H1G011.PLT 41
   PLOTFILE 1 OUT_3 1ST OPERATIONAL.AD\01H1G012.PLT 42
   PLOTFILE 1 OUT_4 1ST OPERATIONAL.AD\01H1G013.PLT 43
   PLOTFILE 1 OUT_5 1ST OPERATIONAL.AD\01H1G014.PLT 44
   PLOTFILE 1 STCK1 1ST OPERATIONAL.AD\01H1G015.PLT 45
   PLOTFILE 1 STCK10 1ST OPERATIONAL.AD\01H1G016.PLT 46
   PLOTFILE 1 STCK11 1ST OPERATIONAL.AD\01H1G017.PLT 47
   PLOTFILE 1 STCK12 1ST OPERATIONAL.AD\01H1G018.PLT 48
   PLOTFILE 1 STCK2 1ST OPERATIONAL.AD\01H1G019.PLT 49
   PLOTFILE 1 STCK3 1ST OPERATIONAL.AD\01H1G020.PLT 50
   PLOTFILE 1 STCK4 1ST OPERATIONAL.AD\01H1G021.PLT 51
   PLOTFILE 1 STCK5 1ST OPERATIONAL.AD\01H1G022.PLT 52
   PLOTFILE 1 STCK6 1ST OPERATIONAL.AD\01H1G023.PLT 53
   PLOTFILE 1 STCK7 1ST OPERATIONAL.AD\01H1G024.PLT 54
   PLOTFILE 1 STCK8 1ST OPERATIONAL.AD\01H1G025.PLT 55
   PLOTFILE 1 STCK9 1ST OPERATIONAL.AD\01H1G026.PLT 56
   PLOTFILE PERIOD IN_1 OPERATIONAL.AD\PE00G001.PLT 57
   PLOTFILE PERIOD IN_2 OPERATIONAL.AD\PE00G002.PLT 58
   PLOTFILE PERIOD IN_3 OPERATIONAL.AD\PE00G003.PLT 59
   PLOTFILE PERIOD ONSI_C1 OPERATIONAL.AD\PE00G004.PLT 60
   PLOTFILE PERIOD ONSI_C2 OPERATIONAL.AD\PE00G005.PLT 61
   PLOTFILE PERIOD ONSI_C3 OPERATIONAL.AD\PE00G006.PLT 62
   PLOTFILE PERIOD ONSI_C4 OPERATIONAL.AD\PE00G007.PLT 63
   PLOTFILE PERIOD ONSI_C5 OPERATIONAL.AD\PE00G008.PLT 64
   PLOTFILE PERIOD ONSI_C6 OPERATIONAL.AD\PE00G009.PLT 65
   PLOTFILE PERIOD OUT_1 OPERATIONAL.AD\PE00G010.PLT 66
   PLOTFILE PERIOD OUT_2 OPERATIONAL.AD\PE00G011.PLT 67
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   PLOTFILE PERIOD OUT_3 OPERATIONAL.AD\PE00G012.PLT 68
   PLOTFILE PERIOD OUT_4 OPERATIONAL.AD\PE00G013.PLT 69
   PLOTFILE PERIOD OUT_5 OPERATIONAL.AD\PE00G014.PLT 70
   PLOTFILE PERIOD STCK1 OPERATIONAL.AD\PE00G015.PLT 71
   PLOTFILE PERIOD STCK10 OPERATIONAL.AD\PE00G016.PLT 72
   PLOTFILE PERIOD STCK11 OPERATIONAL.AD\PE00G017.PLT 73
   PLOTFILE PERIOD STCK12 OPERATIONAL.AD\PE00G018.PLT 74
   PLOTFILE PERIOD STCK2 OPERATIONAL.AD\PE00G019.PLT 75
   PLOTFILE PERIOD STCK3 OPERATIONAL.AD\PE00G020.PLT 76
   PLOTFILE PERIOD STCK4 OPERATIONAL.AD\PE00G021.PLT 77
   PLOTFILE PERIOD STCK5 OPERATIONAL.AD\PE00G022.PLT 78
   PLOTFILE PERIOD STCK6 OPERATIONAL.AD\PE00G023.PLT 79
   PLOTFILE PERIOD STCK7 OPERATIONAL.AD\PE00G024.PLT 80
   PLOTFILE PERIOD STCK8 OPERATIONAL.AD\PE00G025.PLT 81
   PLOTFILE PERIOD STCK9 OPERATIONAL.AD\PE00G026.PLT 82
   SUMMFILE Operational.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 MX W403    2990       PFLCNV: Turbulence data is being used w/o ADJ_U* option       SigA Data

 **********************************
 *** SETUP Finishes Successfully ***
 **********************************
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

** Model Options Selected:
     * Model Uses Regulatory DEFAULT Options
     * Model Is Setup For Calculation of Average CONCentration Values.
     * NO GAS DEPOSITION Data Provided.
     * NO PARTICLE DEPOSITION Data Provided.
     * Model Uses NO DRY DEPLETION. DDPLETE = F
     * Model Uses NO WET DEPLETION. WETDPLT = F
     * Stack-tip Downwash.
     * Model Accounts for ELEVated Terrain Effects.
     * Use Calms Processing Routine.
     * Use Missing Data Processing Routine.
     * No Exponential Decay.
     * Model Uses RURAL Dispersion Only.
     * TEMP_Sub - Meteorological data includes TEMP substitutions
     * Model Assumes No FLAGPOLE Receptor Heights.
     * The User Specified a Pollutant Type of: OTHER

**Model Calculates 1 Short Term Average(s) of: 1-HR
    and Calculates PERIOD Averages

**This Run Includes: 992 Source(s);   26 Source Group(s); and   6291 Receptor(s)

               with: 12 POINT(s), including
                           0 POINTCAP(s) and   0 POINTHOR(s)
                and: 980 VOLUME source(s)
                and: 0 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 RLINE/RLINEXT source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with a total of   0 line(s)
                and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 18081

**Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   4.30 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   13.0 MB of RAM.

**Input Runstream File: aermod.inp

```
**Output Print File:             aermod.out

**Detailed Error/Message File:   Operational.err
**File for Summary of Results:   Operational.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.10000E+01	563116.7	4234656.1	3.7	1.11	388.70	25.00	0.04	YES	NO	NO	
STCK2	0	0.10000E+01	563114.2	4234670.6	4.0	1.11	388.70	25.00	0.04	YES	NO	NO	
STCK3	0	0.10000E+01	563112.4	4234694.3	4.0	1.11	388.70	25.00	0.04	YES	NO	NO	
STCK4	0	0.10000E+01	563111.4	4234707.8	4.2	1.11	388.70	25.00	0.04	YES	NO	NO	
STCK5	0	0.10000E+01	563107.9	4234729.7	4.6	1.11	388.70	25.00	0.04	YES	NO	NO	
STCK6	0	0.10000E+01	563107.1	4234745.0	4.8	1.11	388.70	25.00	0.04	YES	NO	NO	
STCK7	0	0.10000E+01	563105.4	4234763.4	5.0	1.11	388.70	25.00	0.04	YES	NO	NO	
STCK8	0	0.10000E+01	563104.4	4234781.4	5.0	1.11	388.70	25.00	0.04	YES	NO	NO	
STCK9	0	0.10000E+01	563102.8	4234801.9	5.0	1.11	388.70	25.00	0.04	YES	NO	NO	
STCK10	0	0.10000E+01	563101.3	4234817.6	5.0	1.11	388.70	25.00	0.04	YES	NO	NO	
STCK11	0	0.10000E+01	563099.9	4234836.0	5.0	1.11	388.70	25.00	0.04	YES	NO	NO	
STCK12	0	0.10000E+01	563098.5	4234851.2	5.1	1.11	388.70	25.00	0.04	YES	NO	NO	

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0001040	0	0.55556E-01	563197.6	4234870.8	5.0	0.00	1.68	0.85	NO		NO
L0001041	0	0.55556E-01	563197.9	4234867.3	5.0	0.00	1.68	0.85	NO		NO
L0001042	0	0.55556E-01	563198.2	4234863.7	5.0	0.00	1.68	0.85	NO		NO
L0001043	0	0.55556E-01	563198.5	4234860.1	5.0	0.00	1.68	0.85	NO		NO
L0001044	0	0.55556E-01	563198.9	4234856.5	5.0	0.00	1.68	0.85	NO		NO
L0001045	0	0.55556E-01	563199.2	4234852.9	5.0	0.00	1.68	0.85	NO		NO
L0001046	0	0.55556E-01	563199.5	4234849.3	5.0	0.00	1.68	0.85	NO		NO
L0001047	0	0.55556E-01	563199.8	4234845.7	5.0	0.00	1.68	0.85	NO		NO
L0001048	0	0.55556E-01	563200.2	4234842.1	5.0	0.00	1.68	0.85	NO		NO
L0001049	0	0.55556E-01	563200.5	4234838.5	5.0	0.00	1.68	0.85	NO		NO
L0001050	0	0.55556E-01	563200.8	4234834.9	5.0	0.00	1.68	0.85	NO		NO
L0001051	0	0.55556E-01	563201.1	4234831.3	5.0	0.00	1.68	0.85	NO		NO
L0001052	0	0.55556E-01	563201.4	4234827.7	5.0	0.00	1.68	0.85	NO		NO
L0001053	0	0.55556E-01	563201.8	4234824.1	5.0	0.00	1.68	0.85	NO		NO
L0001054	0	0.55556E-01	563202.1	4234820.6	5.0	0.00	1.68	0.85	NO		NO
L0001055	0	0.55556E-01	563202.4	4234817.0	5.0	0.00	1.68	0.85	NO		NO
L0001056	0	0.55556E-01	563202.7	4234813.4	4.9	0.00	1.68	0.85	NO		NO
L0001057	0	0.55556E-01	563203.1	4234809.8	4.9	0.00	1.68	0.85	NO		NO
L0001058	0	0.83333E-01	563203.9	4234805.3	4.8	0.00	1.70	0.85	NO		NO
L0001059	0	0.83333E-01	563204.1	4234801.6	4.7	0.00	1.70	0.85	NO		NO
L0001060	0	0.83333E-01	563204.3	4234798.0	4.6	0.00	1.70	0.85	NO		NO
L0001061	0	0.83333E-01	563204.5	4234794.3	4.5	0.00	1.70	0.85	NO		NO
L0001062	0	0.83333E-01	563204.7	4234790.7	4.4	0.00	1.70	0.85	NO		NO
L0001063	0	0.83333E-01	563204.9	4234787.0	4.3	0.00	1.70	0.85	NO		NO
L0001064	0	0.83333E-01	563205.1	4234783.4	4.3	0.00	1.70	0.85	NO		NO
L0001065	0	0.83333E-01	563205.3	4234779.7	4.4	0.00	1.70	0.85	NO		NO
L0001066	0	0.83333E-01	563205.5	4234776.1	4.4	0.00	1.70	0.85	NO		NO
L0001067	0	0.83333E-01	563205.7	4234772.4	4.5	0.00	1.70	0.85	NO		NO
L0001068	0	0.83333E-01	563205.9	4234768.8	4.5	0.00	1.70	0.85	NO		NO
L0001069	0	0.83333E-01	563206.1	4234765.1	4.6	0.00	1.70	0.85	NO		NO
L0001070	0	0.76923E-01	563205.9	4234763.0	4.6	0.00	1.70	0.85	NO		NO
L0001071	0	0.76923E-01	563206.2	4234759.4	4.7	0.00	1.70	0.85	NO		NO
L0001072	0	0.76923E-01	563206.5	4234755.7	4.8	0.00	1.70	0.85	NO		NO
L0001073	0	0.76923E-01	563206.8	4234752.1	4.7	0.00	1.70	0.85	NO		NO
L0001074	0	0.76923E-01	563207.1	4234748.5	4.6	0.00	1.70	0.85	NO		NO
L0001075	0	0.76923E-01	563207.4	4234744.8	4.5	0.00	1.70	0.85	NO		NO
L0001076	0	0.76923E-01	563207.7	4234741.2	4.4	0.00	1.70	0.85	NO		NO
L0001077	0	0.76923E-01	563208.0	4234737.5	4.3	0.00	1.70	0.85	NO		NO
L0001078	0	0.76923E-01	563208.3	4234733.9	4.2	0.00	1.70	0.85	NO		NO
L0001079	0	0.76923E-01	563208.6	4234730.2	4.1	0.00	1.70	0.85	NO		NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0001080	0	0.76923E-01	563208.8	4234726.6	4.0	0.00	1.70	0.85	NO		NO
L0001081	0	0.76923E-01	563209.1	4234722.9	4.0	0.00	1.70	0.85	NO		NO
L0001082	0	0.76923E-01	563209.4	4234719.3	4.0	0.00	1.70	0.85	NO		NO
L0001083	0	0.62500E-01	563214.4	4234661.7	3.8	0.00	1.70	0.85	NO		NO
L0001084	0	0.62500E-01	563214.1	4234665.4	4.0	0.00	1.70	0.85	NO		NO
L0001085	0	0.62500E-01	563213.8	4234669.0	4.0	0.00	1.70	0.85	NO		NO
L0001086	0	0.62500E-01	563213.5	4234672.6	4.0	0.00	1.70	0.85	NO		NO
L0001087	0	0.62500E-01	563213.2	4234676.3	4.0	0.00	1.70	0.85	NO		NO
L0001088	0	0.62500E-01	563212.9	4234679.9	4.0	0.00	1.70	0.85	NO		NO
L0001089	0	0.62500E-01	563212.6	4234683.6	4.0	0.00	1.70	0.85	NO		NO
L0001090	0	0.62500E-01	563212.3	4234687.2	4.0	0.00	1.70	0.85	NO		NO
L0001091	0	0.62500E-01	563212.0	4234690.9	4.0	0.00	1.70	0.85	NO		NO
L0001092	0	0.62500E-01	563211.7	4234694.5	4.0	0.00	1.70	0.85	NO		NO
L0001093	0	0.62500E-01	563211.4	4234698.2	4.0	0.00	1.70	0.85	NO		NO
L0001094	0	0.62500E-01	563211.1	4234701.8	4.0	0.00	1.70	0.85	NO		NO
L0001095	0	0.62500E-01	563210.8	4234705.5	4.0	0.00	1.70	0.85	NO		NO
L0001096	0	0.62500E-01	563210.5	4234709.1	4.0	0.00	1.70	0.85	NO		NO
L0001097	0	0.62500E-01	563210.2	4234712.7	4.0	0.00	1.70	0.85	NO		NO
L0001098	0	0.62500E-01	563209.9	4234716.4	4.0	0.00	1.70	0.85	NO		NO
L0001099	0	0.12500E+00	563204.7	4234807.9	4.8	0.00	1.70	0.85	NO		NO
L0001100	0	0.12500E+00	563208.4	4234807.9	4.8	0.00	1.70	0.85	NO		NO
L0001101	0	0.12500E+00	563212.0	4234807.9	4.7	0.00	1.70	0.85	NO		NO
L0001102	0	0.12500E+00	563215.7	4234807.9	4.7	0.00	1.70	0.85	NO		NO
L0001103	0	0.12500E+00	563219.4	4234807.9	4.8	0.00	1.70	0.85	NO		NO
L0001104	0	0.12500E+00	563223.0	4234807.9	4.8	0.00	1.70	0.85	NO		NO
L0001105	0	0.12500E+00	563226.7	4234807.9	4.8	0.00	1.70	0.85	NO		NO
L0001106	0	0.12500E+00	563230.3	4234807.9	4.9	0.00	1.70	0.85	NO		NO
L0000068	0	0.14286E+00	563211.0	4234719.0	4.0	0.00	1.70	0.85	NO		NO
L0000069	0	0.14286E+00	563214.7	4234719.1	4.0	0.00	1.70	0.85	NO		NO
L0000070	0	0.14286E+00	563218.4	4234719.1	4.0	0.00	1.70	0.85	NO		NO
L0000071	0	0.14286E+00	563222.0	4234719.2	4.0	0.00	1.70	0.85	NO		NO
L0000072	0	0.14286E+00	563225.7	4234719.2	4.0	0.00	1.70	0.85	NO		NO
L0000073	0	0.14286E+00	563229.3	4234719.3	4.0	0.00	1.70	0.85	NO		NO
L0000074	0	0.14286E+00	563233.0	4234719.4	4.0	0.00	1.70	0.85	NO		NO
L0000134	0	0.69444E-02	563744.0	4234670.3	9.0	0.00	2.84	1.42	NO		NO
L0000135	0	0.69444E-02	563737.9	4234669.8	9.0	0.00	2.84	1.42	NO		NO
L0000136	0	0.69444E-02	563731.8	4234669.4	9.0	0.00	2.84	1.42	NO		NO
L0000137	0	0.69444E-02	563725.7	4234668.9	9.0	0.00	2.84	1.42	NO		NO
L0000138	0	0.69444E-02	563719.7	4234668.5	8.9	0.00	2.84	1.42	NO		NO
L0000139	0	0.69444E-02	563713.6	4234668.0	8.7	0.00	2.84	1.42	NO		NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000140	0	0.69444E-02	563707.5	4234667.5	8.5	0.00	2.84	1.42	NO		NO
L0000141	0	0.69444E-02	563701.4	4234667.1	8.3	0.00	2.84	1.42	NO		NO
L0000142	0	0.69444E-02	563695.3	4234666.6	8.1	0.00	2.84	1.42	NO		NO
L0000143	0	0.69444E-02	563689.3	4234666.2	7.8	0.00	2.84	1.42	NO		NO
L0000144	0	0.69444E-02	563683.2	4234665.7	7.6	0.00	2.84	1.42	NO		NO
L0000145	0	0.69444E-02	563677.1	4234665.3	7.4	0.00	2.84	1.42	NO		NO
L0000146	0	0.69444E-02	563671.0	4234664.8	7.2	0.00	2.84	1.42	NO		NO
L0000147	0	0.69444E-02	563665.0	4234664.4	7.0	0.00	2.84	1.42	NO		NO
L0000148	0	0.69444E-02	563658.9	4234663.9	7.0	0.00	2.84	1.42	NO		NO
L0000149	0	0.69444E-02	563652.8	4234663.4	7.0	0.00	2.84	1.42	NO		NO
L0000150	0	0.69444E-02	563646.7	4234663.0	7.0	0.00	2.84	1.42	NO		NO
L0000151	0	0.69444E-02	563640.6	4234662.5	7.0	0.00	2.84	1.42	NO		NO
L0000152	0	0.69444E-02	563634.6	4234662.1	7.0	0.00	2.84	1.42	NO		NO
L0000153	0	0.69444E-02	563628.5	4234661.6	6.8	0.00	2.84	1.42	NO		NO
L0000154	0	0.69444E-02	563622.4	4234661.2	6.6	0.00	2.84	1.42	NO		NO
L0000155	0	0.69444E-02	563616.3	4234660.7	6.4	0.00	2.84	1.42	NO		NO
L0000156	0	0.69444E-02	563610.2	4234660.3	6.2	0.00	2.84	1.42	NO		NO
L0000157	0	0.69444E-02	563604.2	4234659.8	6.0	0.00	2.84	1.42	NO		NO
L0000158	0	0.69444E-02	563598.1	4234659.3	5.8	0.00	2.84	1.42	NO		NO
L0000159	0	0.69444E-02	563592.0	4234658.9	5.6	0.00	2.84	1.42	NO		NO
L0000160	0	0.69444E-02	563585.9	4234658.4	5.4	0.00	2.84	1.42	NO		NO
L0000161	0	0.69444E-02	563579.8	4234658.0	5.2	0.00	2.84	1.42	NO		NO
L0000162	0	0.69444E-02	563573.8	4234657.5	5.0	0.00	2.84	1.42	NO		NO
L0000163	0	0.69444E-02	563567.7	4234657.1	4.8	0.00	2.84	1.42	NO		NO
L0000164	0	0.69444E-02	563561.6	4234656.6	4.6	0.00	2.84	1.42	NO		NO
L0000165	0	0.69444E-02	563555.5	4234656.1	4.4	0.00	2.84	1.42	NO		NO
L0000166	0	0.69444E-02	563549.5	4234655.7	4.2	0.00	2.84	1.42	NO		NO
L0000167	0	0.69444E-02	563543.4	4234655.2	4.0	0.00	2.84	1.42	NO		NO
L0000168	0	0.69444E-02	563537.3	4234654.8	3.8	0.00	2.84	1.42	NO		NO
L0000169	0	0.69444E-02	563531.2	4234654.3	3.6	0.00	2.84	1.42	NO		NO
L0000170	0	0.69444E-02	563525.1	4234653.9	3.4	0.00	2.84	1.42	NO		NO
L0000171	0	0.69444E-02	563519.1	4234653.4	3.2	0.00	2.84	1.42	NO		NO
L0000172	0	0.69444E-02	563513.0	4234653.0	3.0	0.00	2.84	1.42	NO		NO
L0000173	0	0.69444E-02	563506.9	4234652.5	3.0	0.00	2.84	1.42	NO		NO
L0000174	0	0.69444E-02	563500.8	4234652.1	3.0	0.00	2.84	1.42	NO		NO
L0000175	0	0.69444E-02	563494.7	4234651.7	3.0	0.00	2.84	1.42	NO		NO
L0000176	0	0.69444E-02	563488.6	4234651.3	3.0	0.00	2.84	1.42	NO		NO
L0000177	0	0.69444E-02	563482.6	4234650.9	3.0	0.00	2.84	1.42	NO		NO
L0000178	0	0.69444E-02	563476.5	4234650.5	2.9	0.00	2.84	1.42	NO		NO
L0000179	0	0.69444E-02	563470.4	4234650.2	2.8	0.00	2.84	1.42	NO		NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000180	0	0.69444E-02	563464.3	4234649.8	2.6	0.00	2.84	1.42	NO		NO
L0000181	0	0.69444E-02	563458.2	4234649.4	2.5	0.00	2.84	1.42	NO		NO
L0000182	0	0.69444E-02	563452.1	4234649.0	2.4	0.00	2.84	1.42	NO		NO
L0000183	0	0.69444E-02	563446.1	4234648.6	2.3	0.00	2.84	1.42	NO		NO
L0000184	0	0.69444E-02	563440.0	4234648.2	2.2	0.00	2.84	1.42	NO		NO
L0000185	0	0.69444E-02	563433.9	4234647.7	2.1	0.00	2.84	1.42	NO		NO
L0000186	0	0.69444E-02	563427.8	4234647.2	2.0	0.00	2.84	1.42	NO		NO
L0000187	0	0.69444E-02	563421.8	4234646.6	2.0	0.00	2.84	1.42	NO		NO
L0000188	0	0.69444E-02	563415.7	4234646.0	2.0	0.00	2.84	1.42	NO		NO
L0000189	0	0.69444E-02	563409.6	4234645.5	2.0	0.00	2.84	1.42	NO		NO
L0000190	0	0.69444E-02	563403.6	4234644.9	2.0	0.00	2.84	1.42	NO		NO
L0000191	0	0.69444E-02	563397.5	4234644.3	2.0	0.00	2.84	1.42	NO		NO
L0000192	0	0.69444E-02	563391.4	4234643.7	2.0	0.00	2.84	1.42	NO		NO
L0000193	0	0.69444E-02	563385.4	4234643.1	2.0	0.00	2.84	1.42	NO		NO
L0000194	0	0.69444E-02	563379.3	4234642.5	2.0	0.00	2.84	1.42	NO		NO
L0000195	0	0.69444E-02	563373.2	4234641.9	2.0	0.00	2.84	1.42	NO		NO
L0000196	0	0.69444E-02	563367.2	4234641.3	2.0	0.00	2.84	1.42	NO		NO
L0000197	0	0.69444E-02	563361.1	4234640.7	2.1	0.00	2.84	1.42	NO		NO
L0000198	0	0.69444E-02	563355.0	4234640.1	2.3	0.00	2.84	1.42	NO		NO
L0000199	0	0.69444E-02	563349.0	4234639.5	2.5	0.00	2.84	1.42	NO		NO
L0000200	0	0.69444E-02	563342.9	4234638.9	2.7	0.00	2.84	1.42	NO		NO
L0000201	0	0.69444E-02	563336.8	4234638.3	2.9	0.00	2.84	1.42	NO		NO
L0000202	0	0.69444E-02	563330.8	4234637.7	3.0	0.00	2.84	1.42	NO		NO
L0000203	0	0.69444E-02	563324.7	4234637.1	3.0	0.00	2.84	1.42	NO		NO
L0000204	0	0.69444E-02	563318.6	4234636.5	3.0	0.00	2.84	1.42	NO		NO
L0000205	0	0.69444E-02	563312.6	4234635.7	3.0	0.00	2.84	1.42	NO		NO
L0000206	0	0.69444E-02	563306.5	4234635.0	3.0	0.00	2.84	1.42	NO		NO
L0000207	0	0.69444E-02	563300.5	4234634.2	3.0	0.00	2.84	1.42	NO		NO
L0000208	0	0.69444E-02	563294.4	4234633.5	3.0	0.00	2.84	1.42	NO		NO
L0000209	0	0.69444E-02	563288.4	4234632.7	3.0	0.00	2.84	1.42	NO		NO
L0000210	0	0.69444E-02	563282.4	4234631.6	3.0	0.00	2.84	1.42	NO		NO
L0000211	0	0.69444E-02	563276.4	4234630.3	3.0	0.00	2.84	1.42	NO		NO
L0000212	0	0.69444E-02	563270.5	4234628.9	3.0	0.00	2.84	1.42	NO		NO
L0000213	0	0.69444E-02	563264.5	4234628.9	3.0	0.00	2.84	1.42	NO		NO
L0000214	0	0.69444E-02	563258.5	4234629.9	3.0	0.00	2.84	1.42	NO		NO
L0000215	0	0.69444E-02	563253.0	4234632.1	3.0	0.00	2.84	1.42	NO		NO
L0000216	0	0.69444E-02	563248.2	4234635.8	3.0	0.00	2.84	1.42	NO		NO
L0000217	0	0.69444E-02	563243.3	4234639.4	3.1	0.00	2.84	1.42	NO		NO
L0000218	0	0.69444E-02	563238.0	4234642.5	3.2	0.00	2.84	1.42	NO		NO
L0000219	0	0.69444E-02	563232.0	4234642.6	3.2	0.00	2.84	1.42	NO		NO

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*** VOLUME SOURCE DATA ***

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L0000220	0	0.69444E-02	563226.1	4234641.4	3.2	0.00	2.84	1.42	NO		NO
L0000221	0	0.69444E-02	563220.4	4234639.2	3.1	0.00	2.84	1.42	NO		NO
L0000222	0	0.69444E-02	563214.9	4234636.6	3.0	0.00	2.84	1.42	NO		NO
L0000223	0	0.69444E-02	563209.4	4234634.1	3.0	0.00	2.84	1.42	NO		NO
L0000224	0	0.69444E-02	563203.5	4234632.3	3.0	0.00	2.84	1.42	NO		NO
L0000225	0	0.69444E-02	563197.7	4234630.5	3.0	0.00	2.84	1.42	NO		NO
L0000226	0	0.69444E-02	563191.8	4234629.0	3.0	0.00	2.84	1.42	NO		NO
L0000227	0	0.69444E-02	563185.8	4234627.9	3.0	0.00	2.84	1.42	NO		NO
L0000228	0	0.69444E-02	563179.8	4234626.9	3.0	0.00	2.84	1.42	NO		NO
L0000229	0	0.69444E-02	563173.8	4234626.3	3.0	0.00	2.84	1.42	NO		NO
L0000230	0	0.69444E-02	563167.7	4234626.2	3.0	0.00	2.84	1.42	NO		NO
L0000231	0	0.69444E-02	563161.6	4234626.0	3.0	0.00	2.84	1.42	NO		NO
L0000232	0	0.69444E-02	563155.5	4234625.8	3.0	0.00	2.84	1.42	NO		NO
L0000233	0	0.69444E-02	563149.4	4234625.6	3.0	0.00	2.84	1.42	NO		NO
L0000234	0	0.69444E-02	563143.3	4234625.4	3.0	0.00	2.84	1.42	NO		NO
L0000235	0	0.69444E-02	563137.2	4234625.2	3.0	0.00	2.84	1.42	NO		NO
L0000236	0	0.69444E-02	563131.1	4234625.0	3.0	0.00	2.84	1.42	NO		NO
L0000237	0	0.69444E-02	563125.0	4234624.8	3.0	0.00	2.84	1.42	NO		NO
L0000238	0	0.69444E-02	563118.9	4234624.6	3.0	0.00	2.84	1.42	NO		NO
L0000239	0	0.69444E-02	563113.1	4234625.5	3.0	0.00	2.84	1.42	NO		NO
L0000240	0	0.69444E-02	563107.8	4234628.5	3.0	0.00	2.84	1.42	NO		NO
L0000241	0	0.69444E-02	563105.2	4234634.0	3.0	0.00	2.84	1.42	NO		NO
L0000242	0	0.69444E-02	563104.2	4234640.0	3.1	0.00	2.84	1.42	NO		NO
L0000243	0	0.69444E-02	563103.3	4234646.0	3.3	0.00	2.84	1.42	NO		NO
L0000244	0	0.69444E-02	563102.3	4234652.0	3.5	0.00	2.84	1.42	NO		NO
L0000245	0	0.69444E-02	563101.3	4234658.1	3.7	0.00	2.84	1.42	NO		NO
L0000246	0	0.69444E-02	563100.7	4234664.1	3.9	0.00	2.84	1.42	NO		NO
L0000247	0	0.69444E-02	563100.3	4234670.2	4.0	0.00	2.84	1.42	NO		NO
L0000248	0	0.69444E-02	563099.8	4234676.3	4.0	0.00	2.84	1.42	NO		NO
L0000249	0	0.69444E-02	563099.3	4234682.4	4.0	0.00	2.84	1.42	NO		NO
L0000250	0	0.69444E-02	563098.9	4234688.4	4.0	0.00	2.84	1.42	NO		NO
L0000251	0	0.69444E-02	563098.4	4234694.5	4.0	0.00	2.84	1.42	NO		NO
L0000252	0	0.69444E-02	563097.9	4234700.6	4.1	0.00	2.84	1.42	NO		NO
L0000253	0	0.69444E-02	563097.4	4234706.7	4.3	0.00	2.84	1.42	NO		NO
L0000254	0	0.69444E-02	563097.0	4234712.8	4.5	0.00	2.84	1.42	NO		NO
L0000255	0	0.69444E-02	563096.5	4234718.8	4.7	0.00	2.84	1.42	NO		NO
L0000256	0	0.69444E-02	563096.0	4234724.9	4.9	0.00	2.84	1.42	NO		NO
L0000257	0	0.69444E-02	563095.6	4234731.0	5.0	0.00	2.84	1.42	NO		NO
L0000258	0	0.69444E-02	563095.1	4234737.1	5.0	0.00	2.84	1.42	NO		NO
L0000259	0	0.69444E-02	563094.6	4234743.1	5.0	0.00	2.84	1.42	NO		NO

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L0000260	0	0.69444E-02	563094.1	4234749.2	5.0	0.00	2.84	1.42	NO		NO
L0000261	0	0.69444E-02	563093.7	4234755.3	5.0	0.00	2.84	1.42	NO		NO
L0000262	0	0.69444E-02	563093.2	4234761.4	5.0	0.00	2.84	1.42	NO		NO
L0000263	0	0.69444E-02	563092.7	4234767.5	5.0	0.00	2.84	1.42	NO		NO
L0000264	0	0.69444E-02	563092.2	4234773.5	5.0	0.00	2.84	1.42	NO		NO
L0000265	0	0.69444E-02	563091.8	4234779.6	5.0	0.00	2.84	1.42	NO		NO
L0000266	0	0.69444E-02	563091.3	4234785.7	5.0	0.00	2.84	1.42	NO		NO
L0000267	0	0.69444E-02	563090.8	4234791.8	5.0	0.00	2.84	1.42	NO		NO
L0000268	0	0.69444E-02	563090.4	4234797.8	5.0	0.00	2.84	1.42	NO		NO
L0000269	0	0.69444E-02	563089.9	4234803.9	5.0	0.00	2.84	1.42	NO		NO
L0000270	0	0.69444E-02	563089.4	4234810.0	5.0	0.00	2.84	1.42	NO		NO
L0000271	0	0.69444E-02	563088.9	4234816.1	5.0	0.00	2.84	1.42	NO		NO
L0000272	0	0.69444E-02	563088.5	4234822.2	5.0	0.00	2.84	1.42	NO		NO
L0000273	0	0.69444E-02	563088.0	4234828.2	5.0	0.00	2.84	1.42	NO		NO
L0000274	0	0.69444E-02	563087.5	4234834.3	5.0	0.00	2.84	1.42	NO		NO
L0000275	0	0.69444E-02	563087.1	4234840.4	5.0	0.00	2.84	1.42	NO		NO
L0000276	0	0.69444E-02	563086.6	4234846.5	5.0	0.00	2.84	1.42	NO		NO
L0000277	0	0.69444E-02	563086.1	4234852.5	5.2	0.00	2.84	1.42	NO		NO
L0000278	0	0.14085E-01	563106.5	4234660.6	3.8	0.00	2.84	1.42	NO		NO
L0000279	0	0.14085E-01	563106.0	4234666.7	4.0	0.00	2.84	1.42	NO		NO
L0000280	0	0.14085E-01	563105.4	4234672.7	4.0	0.00	2.84	1.42	NO		NO
L0000281	0	0.14085E-01	563104.8	4234678.8	4.0	0.00	2.84	1.42	NO		NO
L0000282	0	0.14085E-01	563104.3	4234684.9	4.0	0.00	2.84	1.42	NO		NO
L0000283	0	0.14085E-01	563103.7	4234691.0	4.0	0.00	2.84	1.42	NO		NO
L0000284	0	0.14085E-01	563103.1	4234697.0	4.0	0.00	2.84	1.42	NO		NO
L0000285	0	0.14085E-01	563102.5	4234703.1	4.2	0.00	2.84	1.42	NO		NO
L0000286	0	0.14085E-01	563102.0	4234709.2	4.3	0.00	2.84	1.42	NO		NO
L0000287	0	0.14085E-01	563101.4	4234715.2	4.5	0.00	2.84	1.42	NO		NO
L0000288	0	0.14085E-01	563100.8	4234721.3	4.6	0.00	2.84	1.42	NO		NO
L0000289	0	0.14085E-01	563100.3	4234727.4	4.8	0.00	2.84	1.42	NO		NO
L0000290	0	0.14085E-01	563099.7	4234733.4	4.8	0.00	2.84	1.42	NO		NO
L0000291	0	0.14085E-01	563099.1	4234739.5	4.9	0.00	2.84	1.42	NO		NO
L0000292	0	0.14085E-01	563098.5	4234745.6	4.9	0.00	2.84	1.42	NO		NO
L0000293	0	0.14085E-01	563098.0	4234751.6	5.0	0.00	2.84	1.42	NO		NO
L0000294	0	0.14085E-01	563097.4	4234757.7	5.0	0.00	2.84	1.42	NO		NO
L0000295	0	0.14085E-01	563096.8	4234763.8	5.0	0.00	2.84	1.42	NO		NO
L0000296	0	0.14085E-01	563096.3	4234769.9	5.0	0.00	2.84	1.42	NO		NO
L0000297	0	0.14085E-01	563095.7	4234775.9	5.0	0.00	2.84	1.42	NO		NO
L0000298	0	0.14085E-01	563095.1	4234782.0	5.0	0.00	2.84	1.42	NO		NO
L0000299	0	0.14085E-01	563094.5	4234788.1	5.0	0.00	2.84	1.42	NO		NO

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L0000300	0	0.14085E-01	563094.0	4234794.1	5.0	0.00	2.84	1.42	NO		NO
L0000301	0	0.14085E-01	563093.4	4234800.2	5.0	0.00	2.84	1.42	NO		NO
L0000302	0	0.14085E-01	563092.8	4234806.3	5.0	0.00	2.84	1.42	NO		NO
L0000303	0	0.14085E-01	563092.3	4234812.3	5.0	0.00	2.84	1.42	NO		NO
L0000304	0	0.14085E-01	563091.7	4234818.4	5.0	0.00	2.84	1.42	NO		NO
L0000305	0	0.14085E-01	563091.1	4234824.5	5.0	0.00	2.84	1.42	NO		NO
L0000306	0	0.14085E-01	563090.5	4234830.5	5.0	0.00	2.84	1.42	NO		NO
L0000307	0	0.14085E-01	563090.0	4234836.6	5.0	0.00	2.84	1.42	NO		NO
L0000308	0	0.14085E-01	563089.4	4234842.7	5.0	0.00	2.84	1.42	NO		NO
L0000309	0	0.14085E-01	563089.0	4234848.8	5.1	0.00	2.84	1.42	NO		NO
L0000310	0	0.14085E-01	563089.6	4234854.6	5.3	0.00	2.84	1.42	NO		NO
L0000311	0	0.14085E-01	563092.4	4234860.0	5.5	0.00	2.84	1.42	NO		NO
L0000312	0	0.14085E-01	563097.7	4234863.1	5.5	0.00	2.84	1.42	NO		NO
L0000313	0	0.14085E-01	563102.9	4234866.2	5.5	0.00	2.84	1.42	NO		NO
L0000314	0	0.14085E-01	563108.1	4234869.3	5.4	0.00	2.84	1.42	NO		NO
L0000315	0	0.14085E-01	563113.4	4234872.5	5.3	0.00	2.84	1.42	NO		NO
L0000316	0	0.14085E-01	563118.6	4234875.6	5.2	0.00	2.84	1.42	NO		NO
L0000317	0	0.14085E-01	563123.9	4234878.7	5.1	0.00	2.84	1.42	NO		NO
L0000318	0	0.14085E-01	563129.7	4234880.5	5.1	0.00	2.84	1.42	NO		NO
L0000319	0	0.14085E-01	563135.5	4234882.2	5.2	0.00	2.84	1.42	NO		NO
L0000320	0	0.14085E-01	563141.5	4234883.1	5.2	0.00	2.84	1.42	NO		NO
L0000321	0	0.14085E-01	563147.6	4234884.0	5.3	0.00	2.84	1.42	NO		NO
L0000322	0	0.14085E-01	563153.6	4234884.9	5.3	0.00	2.84	1.42	NO		NO
L0000323	0	0.14085E-01	563159.6	4234885.8	5.2	0.00	2.84	1.42	NO		NO
L0000324	0	0.14085E-01	563165.6	4234886.8	5.2	0.00	2.84	1.42	NO		NO
L0000325	0	0.14085E-01	563171.6	4234887.9	5.2	0.00	2.84	1.42	NO		NO
L0000326	0	0.14085E-01	563177.6	4234889.1	5.1	0.00	2.84	1.42	NO		NO
L0000327	0	0.14085E-01	563183.6	4234890.2	5.0	0.00	2.84	1.42	NO		NO
L0000328	0	0.14085E-01	563189.6	4234891.4	5.0	0.00	2.84	1.42	NO		NO
L0000329	0	0.14085E-01	563195.6	4234892.6	5.0	0.00	2.84	1.42	NO		NO
L0000330	0	0.14085E-01	563201.6	4234893.3	5.0	0.00	2.84	1.42	NO		NO
L0000331	0	0.14085E-01	563207.7	4234893.4	5.0	0.00	2.84	1.42	NO		NO
L0000332	0	0.14085E-01	563213.7	4234892.6	5.0	0.00	2.84	1.42	NO		NO
L0000333	0	0.14085E-01	563219.8	4234891.7	5.0	0.00	2.84	1.42	NO		NO
L0000334	0	0.14085E-01	563225.8	4234890.9	5.0	0.00	2.84	1.42	NO		NO
L0000335	0	0.14085E-01	563231.7	4234889.7	5.0	0.00	2.84	1.42	NO		NO
L0000336	0	0.14085E-01	563235.6	4234885.7	5.0	0.00	2.84	1.42	NO		NO
L0000337	0	0.14085E-01	563237.1	4234879.8	5.0	0.00	2.84	1.42	NO		NO
L0000338	0	0.14085E-01	563237.5	4234873.8	5.0	0.00	2.84	1.42	NO		NO
L0000339	0	0.14085E-01	563237.4	4234867.7	5.0	0.00	2.84	1.42	NO		NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000340	0	0.14085E-01	563237.3	4234861.6	5.0	0.00	2.84	1.42	NO		NO
L0000341	0	0.14085E-01	563237.3	4234855.5	5.0	0.00	2.84	1.42	NO		NO
L0000342	0	0.14085E-01	563237.2	4234849.4	5.0	0.00	2.84	1.42	NO		NO
L0000343	0	0.14085E-01	563237.1	4234843.3	5.0	0.00	2.84	1.42	NO		NO
L0000344	0	0.14085E-01	563237.1	4234837.2	5.0	0.00	2.84	1.42	NO		NO
L0000345	0	0.14085E-01	563237.0	4234831.1	5.0	0.00	2.84	1.42	NO		NO
L0000346	0	0.14085E-01	563236.9	4234825.0	5.0	0.00	2.84	1.42	NO		NO
L0000347	0	0.14085E-01	563236.9	4234818.9	5.0	0.00	2.84	1.42	NO		NO
L0000348	0	0.14085E-01	563236.8	4234812.9	5.0	0.00	2.84	1.42	NO		NO
L0000349	0	0.66667E-01	563237.1	4234807.0	4.9	0.00	2.84	1.42	NO		NO
L0000350	0	0.66667E-01	563237.2	4234800.9	4.9	0.00	2.84	1.42	NO		NO
L0000351	0	0.66667E-01	563237.3	4234794.8	4.8	0.00	2.84	1.42	NO		NO
L0000352	0	0.66667E-01	563237.4	4234788.7	4.8	0.00	2.84	1.42	NO		NO
L0000353	0	0.66667E-01	563237.4	4234782.6	4.7	0.00	2.84	1.42	NO		NO
L0000354	0	0.66667E-01	563237.5	4234776.5	4.6	0.00	2.84	1.42	NO		NO
L0000355	0	0.66667E-01	563237.6	4234770.4	4.5	0.00	2.84	1.42	NO		NO
L0000356	0	0.66667E-01	563237.7	4234764.3	4.4	0.00	2.84	1.42	NO		NO
L0000357	0	0.66667E-01	563237.8	4234758.2	4.2	0.00	2.84	1.42	NO		NO
L0000358	0	0.66667E-01	563237.8	4234752.2	4.2	0.00	2.84	1.42	NO		NO
L0000359	0	0.66667E-01	563237.9	4234746.1	4.1	0.00	2.84	1.42	NO		NO
L0000360	0	0.66667E-01	563238.0	4234740.0	4.1	0.00	2.84	1.42	NO		NO
L0000361	0	0.66667E-01	563238.1	4234733.9	4.0	0.00	2.84	1.42	NO		NO
L0000362	0	0.66667E-01	563238.2	4234727.8	4.0	0.00	2.84	1.42	NO		NO
L0000363	0	0.66667E-01	563238.2	4234721.7	4.0	0.00	2.84	1.42	NO		NO
L0000364	0	0.93458E-02	563238.3	4234716.9	4.0	0.00	2.84	1.42	NO		NO
L0000365	0	0.93458E-02	563238.2	4234710.8	4.0	0.00	2.84	1.42	NO		NO
L0000366	0	0.93458E-02	563238.1	4234704.7	4.0	0.00	2.84	1.42	NO		NO
L0000367	0	0.93458E-02	563238.0	4234698.6	4.0	0.00	2.84	1.42	NO		NO
L0000368	0	0.93458E-02	563237.9	4234692.6	4.0	0.00	2.84	1.42	NO		NO
L0000369	0	0.93458E-02	563237.8	4234686.5	4.0	0.00	2.84	1.42	NO		NO
L0000370	0	0.93458E-02	563237.6	4234680.4	4.0	0.00	2.84	1.42	NO		NO
L0000371	0	0.93458E-02	563237.4	4234674.3	4.0	0.00	2.84	1.42	NO		NO
L0000372	0	0.93458E-02	563237.2	4234668.2	4.0	0.00	2.84	1.42	NO		NO
L0000373	0	0.93458E-02	563236.6	4234662.1	3.9	0.00	2.84	1.42	NO		NO
L0000374	0	0.93458E-02	563235.8	4234656.1	3.7	0.00	2.84	1.42	NO		NO
L0000375	0	0.93458E-02	563233.2	4234650.8	3.5	0.00	2.84	1.42	NO		NO
L0000376	0	0.93458E-02	563229.2	4234646.2	3.3	0.00	2.84	1.42	NO		NO
L0000377	0	0.93458E-02	563224.5	4234642.3	3.2	0.00	2.84	1.42	NO		NO
L0000378	0	0.93458E-02	563220.5	4234637.8	3.0	0.00	2.84	1.42	NO		NO
L0000379	0	0.93458E-02	563216.9	4234632.9	3.0	0.00	2.84	1.42	NO		NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000380	0	0.93458E-02	563215.4	4234627.3	3.0	0.00	2.84	1.42	NO		NO
L0000381	0	0.93458E-02	563215.7	4234621.2	3.0	0.00	2.84	1.42	NO		NO
L0000382	0	0.93458E-02	563218.3	4234615.7	3.0	0.00	2.84	1.42	NO		NO
L0000383	0	0.93458E-02	563222.4	4234611.4	3.0	0.00	2.84	1.42	NO		NO
L0000384	0	0.93458E-02	563227.4	4234608.1	3.0	0.00	2.84	1.42	NO		NO
L0000385	0	0.93458E-02	563233.5	4234607.9	3.0	0.00	2.84	1.42	NO		NO
L0000386	0	0.93458E-02	563239.4	4234609.0	3.0	0.00	2.84	1.42	NO		NO
L0000387	0	0.93458E-02	563244.9	4234611.5	3.0	0.00	2.84	1.42	NO		NO
L0000388	0	0.93458E-02	563250.0	4234614.9	3.0	0.00	2.84	1.42	NO		NO
L0000389	0	0.93458E-02	563255.7	4234617.1	3.0	0.00	2.84	1.42	NO		NO
L0000390	0	0.93458E-02	563261.4	4234619.2	3.0	0.00	2.84	1.42	NO		NO
L0000391	0	0.93458E-02	563267.2	4234620.8	3.0	0.00	2.84	1.42	NO		NO
L0000392	0	0.93458E-02	563273.3	4234621.6	3.0	0.00	2.84	1.42	NO		NO
L0000393	0	0.93458E-02	563279.3	4234622.4	3.0	0.00	2.84	1.42	NO		NO
L0000394	0	0.93458E-02	563285.4	4234623.3	3.0	0.00	2.84	1.42	NO		NO
L0000395	0	0.93458E-02	563291.4	4234624.1	3.0	0.00	2.84	1.42	NO		NO
L0000396	0	0.93458E-02	563297.4	4234624.9	3.0	0.00	2.84	1.42	NO		NO
L0000397	0	0.93458E-02	563303.5	4234625.5	3.0	0.00	2.84	1.42	NO		NO
L0000398	0	0.93458E-02	563309.6	4234626.0	2.9	0.00	2.84	1.42	NO		NO
L0000399	0	0.93458E-02	563315.7	4234626.4	2.9	0.00	2.84	1.42	NO		NO
L0000400	0	0.93458E-02	563321.7	4234626.9	2.8	0.00	2.84	1.42	NO		NO
L0000401	0	0.93458E-02	563327.8	4234627.3	2.8	0.00	2.84	1.42	NO		NO
L0000402	0	0.93458E-02	563333.9	4234627.7	2.7	0.00	2.84	1.42	NO		NO
L0000403	0	0.93458E-02	563340.0	4234628.2	2.5	0.00	2.84	1.42	NO		NO
L0000404	0	0.93458E-02	563346.1	4234628.6	2.3	0.00	2.84	1.42	NO		NO
L0000405	0	0.93458E-02	563352.1	4234629.0	2.1	0.00	2.84	1.42	NO		NO
L0000406	0	0.93458E-02	563358.2	4234629.5	2.0	0.00	2.84	1.42	NO		NO
L0000407	0	0.93458E-02	563364.3	4234629.9	1.8	0.00	2.84	1.42	NO		NO
L0000408	0	0.93458E-02	563370.4	4234630.3	1.8	0.00	2.84	1.42	NO		NO
L0000409	0	0.93458E-02	563376.5	4234630.7	1.8	0.00	2.84	1.42	NO		NO
L0000410	0	0.93458E-02	563382.5	4234631.1	1.8	0.00	2.84	1.42	NO		NO
L0000411	0	0.93458E-02	563388.6	4234631.5	1.8	0.00	2.84	1.42	NO		NO
L0000412	0	0.93458E-02	563394.7	4234631.9	1.9	0.00	2.84	1.42	NO		NO
L0000413	0	0.93458E-02	563400.8	4234632.3	1.9	0.00	2.84	1.42	NO		NO
L0000414	0	0.93458E-02	563406.9	4234632.7	1.9	0.00	2.84	1.42	NO		NO
L0000415	0	0.93458E-02	563413.0	4234633.0	2.0	0.00	2.84	1.42	NO		NO
L0000416	0	0.93458E-02	563419.0	4234633.4	2.0	0.00	2.84	1.42	NO		NO
L0000417	0	0.93458E-02	563425.1	4234633.8	2.0	0.00	2.84	1.42	NO		NO
L0000418	0	0.93458E-02	563431.2	4234634.2	2.0	0.00	2.84	1.42	NO		NO
L0000419	0	0.93458E-02	563437.3	4234634.6	2.0	0.00	2.84	1.42	NO		NO

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000420	0	0.93458E-02	563443.4	4234635.0	2.0	0.00	2.84	1.42	NO		NO
L0000421	0	0.93458E-02	563449.5	4234635.4	2.0	0.00	2.84	1.42	NO		NO
L0000422	0	0.93458E-02	563455.5	4234635.8	2.1	0.00	2.84	1.42	NO		NO
L0000423	0	0.93458E-02	563461.6	4234636.2	2.3	0.00	2.84	1.42	NO		NO
L0000424	0	0.93458E-02	563467.7	4234636.6	2.5	0.00	2.84	1.42	NO		NO
L0000425	0	0.93458E-02	563473.8	4234637.0	2.7	0.00	2.84	1.42	NO		NO
L0000426	0	0.93458E-02	563479.9	4234637.4	2.9	0.00	2.84	1.42	NO		NO
L0000427	0	0.93458E-02	563486.0	4234637.8	3.0	0.00	2.84	1.42	NO		NO
L0000428	0	0.93458E-02	563492.0	4234638.2	3.0	0.00	2.84	1.42	NO		NO
L0000429	0	0.93458E-02	563498.1	4234638.6	3.0	0.00	2.84	1.42	NO		NO
L0000430	0	0.93458E-02	563504.2	4234639.0	3.0	0.00	2.84	1.42	NO		NO
L0000431	0	0.93458E-02	563510.3	4234639.4	3.0	0.00	2.84	1.42	NO		NO
L0000432	0	0.93458E-02	563516.4	4234639.8	3.1	0.00	2.84	1.42	NO		NO
L0000433	0	0.93458E-02	563522.5	4234640.2	3.3	0.00	2.84	1.42	NO		NO
L0000434	0	0.93458E-02	563528.5	4234640.6	3.5	0.00	2.84	1.42	NO		NO
L0000435	0	0.93458E-02	563534.6	4234641.1	3.7	0.00	2.84	1.42	NO		NO
L0000436	0	0.93458E-02	563540.7	4234641.5	3.9	0.00	2.84	1.42	NO		NO
L0000437	0	0.93458E-02	563546.8	4234641.9	4.1	0.00	2.84	1.42	NO		NO
L0000438	0	0.93458E-02	563552.9	4234642.4	4.3	0.00	2.84	1.42	NO		NO
L0000439	0	0.93458E-02	563558.9	4234642.8	4.5	0.00	2.84	1.42	NO		NO
L0000440	0	0.93458E-02	563565.0	4234643.2	4.7	0.00	2.84	1.42	NO		NO
L0000441	0	0.93458E-02	563571.1	4234643.7	4.9	0.00	2.84	1.42	NO		NO
L0000442	0	0.93458E-02	563577.2	4234644.1	5.1	0.00	2.84	1.42	NO		NO
L0000443	0	0.93458E-02	563583.3	4234644.5	5.3	0.00	2.84	1.42	NO		NO
L0000444	0	0.93458E-02	563589.3	4234645.0	5.5	0.00	2.84	1.42	NO		NO
L0000445	0	0.93458E-02	563595.4	4234645.4	5.7	0.00	2.84	1.42	NO		NO
L0000446	0	0.93458E-02	563601.5	4234645.8	5.9	0.00	2.84	1.42	NO		NO
L0000447	0	0.93458E-02	563607.6	4234646.2	6.1	0.00	2.84	1.42	NO		NO
L0000448	0	0.93458E-02	563613.7	4234646.7	6.3	0.00	2.84	1.42	NO		NO
L0000449	0	0.93458E-02	563619.8	4234647.1	6.5	0.00	2.84	1.42	NO		NO
L0000450	0	0.93458E-02	563625.8	4234647.5	6.7	0.00	2.84	1.42	NO		NO
L0000451	0	0.93458E-02	563631.9	4234648.0	6.9	0.00	2.84	1.42	NO		NO
L0000452	0	0.93458E-02	563638.0	4234648.4	7.0	0.00	2.84	1.42	NO		NO
L0000453	0	0.93458E-02	563644.1	4234648.8	7.0	0.00	2.84	1.42	NO		NO
L0000454	0	0.93458E-02	563650.2	4234649.3	7.0	0.00	2.84	1.42	NO		NO
L0000455	0	0.93458E-02	563656.2	4234649.7	7.0	0.00	2.84	1.42	NO		NO
L0000456	0	0.93458E-02	563662.3	4234650.1	7.0	0.00	2.84	1.42	NO		NO
L0000457	0	0.93458E-02	563668.4	4234650.6	7.1	0.00	2.84	1.42	NO		NO
L0000458	0	0.93458E-02	563674.5	4234651.0	7.2	0.00	2.84	1.42	NO		NO
L0000459	0	0.93458E-02	563680.6	4234651.4	7.3	0.00	2.84	1.42	NO		NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000460	0	0.93458E-02	563686.6	4234651.9	7.4	0.00	2.84	1.42	NO		NO
L0000461	0	0.93458E-02	563692.7	4234652.3	7.5	0.00	2.84	1.42	NO		NO
L0000462	0	0.93458E-02	563698.8	4234652.7	7.7	0.00	2.84	1.42	NO		NO
L0000463	0	0.93458E-02	563704.9	4234653.2	7.9	0.00	2.84	1.42	NO		NO
L0000464	0	0.93458E-02	563711.0	4234653.6	8.2	0.00	2.84	1.42	NO		NO
L0000465	0	0.93458E-02	563717.0	4234654.0	8.4	0.00	2.84	1.42	NO		NO
L0000466	0	0.93458E-02	563723.1	4234654.5	8.6	0.00	2.84	1.42	NO		NO
L0000467	0	0.93458E-02	563729.2	4234654.9	8.7	0.00	2.84	1.42	NO		NO
L0000468	0	0.93458E-02	563735.3	4234655.3	8.8	0.00	2.84	1.42	NO		NO
L0000469	0	0.93458E-02	563741.4	4234655.8	8.9	0.00	2.84	1.42	NO		NO
L0000470	0	0.93458E-02	563747.4	4234656.2	8.9	0.00	2.84	1.42	NO		NO
L0000471	0	0.84034E-02	563754.9	4234654.8	9.0	0.00	2.84	1.42	NO		NO
L0000472	0	0.84034E-02	563754.5	4234648.8	9.0	0.00	2.84	1.42	NO		NO
L0000473	0	0.84034E-02	563754.0	4234642.7	9.0	0.00	2.84	1.42	NO		NO
L0000474	0	0.84034E-02	563753.6	4234636.6	9.0	0.00	2.84	1.42	NO		NO
L0000475	0	0.84034E-02	563753.2	4234630.5	9.0	0.00	2.84	1.42	NO		NO
L0000476	0	0.84034E-02	563752.8	4234624.4	9.0	0.00	2.84	1.42	NO		NO
L0000477	0	0.84034E-02	563752.4	4234618.3	9.0	0.00	2.84	1.42	NO		NO
L0000478	0	0.84034E-02	563752.0	4234612.3	9.0	0.00	2.84	1.42	NO		NO
L0000479	0	0.84034E-02	563751.6	4234606.2	8.9	0.00	2.84	1.42	NO		NO
L0000480	0	0.84034E-02	563751.2	4234600.1	8.5	0.00	2.84	1.42	NO		NO
L0000481	0	0.84034E-02	563750.8	4234594.0	8.1	0.00	2.84	1.42	NO		NO
L0000482	0	0.84034E-02	563750.1	4234588.0	7.7	0.00	2.84	1.42	NO		NO
L0000483	0	0.84034E-02	563749.4	4234581.9	7.2	0.00	2.84	1.42	NO		NO
L0000484	0	0.84034E-02	563748.7	4234575.9	6.8	0.00	2.84	1.42	NO		NO
L0000485	0	0.84034E-02	563748.0	4234569.8	6.6	0.00	2.84	1.42	NO		NO
L0000486	0	0.84034E-02	563747.3	4234563.7	6.5	0.00	2.84	1.42	NO		NO
L0000487	0	0.84034E-02	563746.6	4234557.7	6.3	0.00	2.84	1.42	NO		NO
L0000488	0	0.84034E-02	563745.9	4234551.6	6.1	0.00	2.84	1.42	NO		NO
L0000489	0	0.84034E-02	563745.2	4234545.6	6.0	0.00	2.84	1.42	NO		NO
L0000490	0	0.84034E-02	563744.5	4234539.5	6.1	0.00	2.84	1.42	NO		NO
L0000491	0	0.84034E-02	563743.8	4234533.5	6.3	0.00	2.84	1.42	NO		NO
L0000492	0	0.84034E-02	563743.1	4234527.4	6.4	0.00	2.84	1.42	NO		NO
L0000493	0	0.84034E-02	563742.4	4234521.4	6.5	0.00	2.84	1.42	NO		NO
L0000494	0	0.84034E-02	563741.7	4234515.3	6.6	0.00	2.84	1.42	NO		NO
L0000495	0	0.84034E-02	563741.0	4234509.2	6.8	0.00	2.84	1.42	NO		NO
L0000496	0	0.84034E-02	563740.3	4234503.2	7.0	0.00	2.84	1.42	NO		NO
L0000497	0	0.84034E-02	563739.6	4234497.1	7.2	0.00	2.84	1.42	NO		NO
L0000498	0	0.84034E-02	563738.9	4234491.1	7.3	0.00	2.84	1.42	NO		NO
L0000499	0	0.84034E-02	563738.2	4234485.0	7.5	0.00	2.84	1.42	NO		NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000500	0	0.84034E-02	563737.5	4234479.0	7.7	0.00	2.84	1.42	NO		NO
L0000501	0	0.84034E-02	563736.8	4234472.9	7.9	0.00	2.84	1.42	NO		NO
L0000502	0	0.84034E-02	563736.1	4234466.8	8.1	0.00	2.84	1.42	NO		NO
L0000503	0	0.84034E-02	563735.4	4234460.8	8.2	0.00	2.84	1.42	NO		NO
L0000504	0	0.84034E-02	563734.7	4234454.7	8.4	0.00	2.84	1.42	NO		NO
L0000505	0	0.84034E-02	563734.0	4234448.7	8.7	0.00	2.84	1.42	NO		NO
L0000506	0	0.84034E-02	563733.2	4234442.6	8.9	0.00	2.84	1.42	NO		NO
L0000507	0	0.84034E-02	563732.5	4234436.6	9.1	0.00	2.84	1.42	NO		NO
L0000508	0	0.84034E-02	563731.8	4234430.5	9.4	0.00	2.84	1.42	NO		NO
L0000509	0	0.84034E-02	563731.0	4234424.5	9.6	0.00	2.84	1.42	NO		NO
L0000510	0	0.84034E-02	563730.3	4234418.4	9.9	0.00	2.84	1.42	NO		NO
L0000511	0	0.84034E-02	563729.5	4234412.4	10.2	0.00	2.84	1.42	NO		NO
L0000512	0	0.84034E-02	563728.8	4234406.3	10.6	0.00	2.84	1.42	NO		NO
L0000513	0	0.84034E-02	563728.1	4234400.3	10.9	0.00	2.84	1.42	NO		NO
L0000514	0	0.84034E-02	563727.3	4234394.2	11.1	0.00	2.84	1.42	NO		NO
L0000515	0	0.84034E-02	563726.6	4234388.2	11.1	0.00	2.84	1.42	NO		NO
L0000516	0	0.84034E-02	563725.9	4234382.1	11.1	0.00	2.84	1.42	NO		NO
L0000517	0	0.84034E-02	563725.1	4234376.1	11.1	0.00	2.84	1.42	NO		NO
L0000518	0	0.84034E-02	563724.5	4234370.0	11.0	0.00	2.84	1.42	NO		NO
L0000519	0	0.84034E-02	563724.0	4234363.9	11.0	0.00	2.84	1.42	NO		NO
L0000520	0	0.84034E-02	563723.6	4234357.9	11.0	0.00	2.84	1.42	NO		NO
L0000521	0	0.84034E-02	563723.1	4234351.8	11.0	0.00	2.84	1.42	NO		NO
L0000522	0	0.84034E-02	563722.6	4234345.7	11.0	0.00	2.84	1.42	NO		NO
L0000523	0	0.84034E-02	563722.2	4234339.6	11.0	0.00	2.84	1.42	NO		NO
L0000524	0	0.84034E-02	563721.7	4234333.5	10.9	0.00	2.84	1.42	NO		NO
L0000525	0	0.84034E-02	563721.2	4234327.5	10.9	0.00	2.84	1.42	NO		NO
L0000526	0	0.84034E-02	563720.8	4234321.4	10.9	0.00	2.84	1.42	NO		NO
L0000527	0	0.84034E-02	563720.3	4234315.3	10.8	0.00	2.84	1.42	NO		NO
L0000528	0	0.84034E-02	563720.2	4234309.2	10.8	0.00	2.84	1.42	NO		NO
L0000529	0	0.84034E-02	563720.1	4234303.1	10.8	0.00	2.84	1.42	NO		NO
L0000530	0	0.84034E-02	563720.0	4234297.0	10.8	0.00	2.84	1.42	NO		NO
L0000531	0	0.84034E-02	563719.9	4234290.9	10.8	0.00	2.84	1.42	NO		NO
L0000532	0	0.84034E-02	563719.8	4234284.8	10.7	0.00	2.84	1.42	NO		NO
L0000533	0	0.84034E-02	563719.7	4234278.7	10.7	0.00	2.84	1.42	NO		NO
L0000534	0	0.84034E-02	563719.7	4234272.6	10.6	0.00	2.84	1.42	NO		NO
L0000535	0	0.84034E-02	563720.0	4234266.5	10.5	0.00	2.84	1.42	NO		NO
L0000536	0	0.84034E-02	563720.3	4234260.5	10.3	0.00	2.84	1.42	NO		NO
L0000537	0	0.84034E-02	563720.5	4234254.4	10.1	0.00	2.84	1.42	NO		NO
L0000538	0	0.84034E-02	563720.8	4234248.3	10.0	0.00	2.84	1.42	NO		NO
L0000539	0	0.84034E-02	563721.1	4234242.2	9.9	0.00	2.84	1.42	NO		NO

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000540	0	0.84034E-02	563721.3	4234236.1	9.9	0.00	2.84	1.42	NO		NO
L0000541	0	0.84034E-02	563721.6	4234230.0	9.9	0.00	2.84	1.42	NO		NO
L0000542	0	0.84034E-02	563722.1	4234223.9	10.0	0.00	2.84	1.42	NO		NO
L0000543	0	0.84034E-02	563722.7	4234217.9	10.0	0.00	2.84	1.42	NO		NO
L0000544	0	0.84034E-02	563723.3	4234211.8	10.0	0.00	2.84	1.42	NO		NO
L0000545	0	0.84034E-02	563723.9	4234205.7	10.0	0.00	2.84	1.42	NO		NO
L0000546	0	0.84034E-02	563724.6	4234199.7	10.0	0.00	2.84	1.42	NO		NO
L0000547	0	0.84034E-02	563725.2	4234193.6	10.1	0.00	2.84	1.42	NO		NO
L0000548	0	0.84034E-02	563725.8	4234187.5	10.1	0.00	2.84	1.42	NO		NO
L0000549	0	0.84034E-02	563726.4	4234181.5	9.9	0.00	2.84	1.42	NO		NO
L0000550	0	0.84034E-02	563727.1	4234175.4	9.8	0.00	2.84	1.42	NO		NO
L0000551	0	0.84034E-02	563728.2	4234169.4	9.6	0.00	2.84	1.42	NO		NO
L0000552	0	0.84034E-02	563729.3	4234163.4	9.4	0.00	2.84	1.42	NO		NO
L0000553	0	0.84034E-02	563730.4	4234157.4	9.3	0.00	2.84	1.42	NO		NO
L0000554	0	0.84034E-02	563731.5	4234151.4	9.3	0.00	2.84	1.42	NO		NO
L0000555	0	0.84034E-02	563732.6	4234145.5	9.3	0.00	2.84	1.42	NO		NO
L0000556	0	0.84034E-02	563733.7	4234139.5	9.3	0.00	2.84	1.42	NO		NO
L0000557	0	0.84034E-02	563734.8	4234133.5	9.4	0.00	2.84	1.42	NO		NO
L0000558	0	0.84034E-02	563735.9	4234127.5	9.4	0.00	2.84	1.42	NO		NO
L0000559	0	0.84034E-02	563737.0	4234121.5	9.5	0.00	2.84	1.42	NO		NO
L0000560	0	0.84034E-02	563738.2	4234115.5	9.5	0.00	2.84	1.42	NO		NO
L0000561	0	0.84034E-02	563739.3	4234109.5	9.5	0.00	2.84	1.42	NO		NO
L0000562	0	0.84034E-02	563740.6	4234103.5	9.6	0.00	2.84	1.42	NO		NO
L0000563	0	0.84034E-02	563742.0	4234097.6	9.6	0.00	2.84	1.42	NO		NO
L0000564	0	0.84034E-02	563743.4	4234091.7	9.5	0.00	2.84	1.42	NO		NO
L0000565	0	0.84034E-02	563744.7	4234085.7	9.4	0.00	2.84	1.42	NO		NO
L0000566	0	0.84034E-02	563746.1	4234079.8	9.2	0.00	2.84	1.42	NO		NO
L0000567	0	0.84034E-02	563747.5	4234073.8	9.1	0.00	2.84	1.42	NO		NO
L0000568	0	0.84034E-02	563748.9	4234067.9	8.9	0.00	2.84	1.42	NO		NO
L0000569	0	0.84034E-02	563750.2	4234062.0	8.9	0.00	2.84	1.42	NO		NO
L0000570	0	0.84034E-02	563751.6	4234056.0	8.9	0.00	2.84	1.42	NO		NO
L0000571	0	0.84034E-02	563753.0	4234050.1	9.0	0.00	2.84	1.42	NO		NO
L0000572	0	0.84034E-02	563754.4	4234044.1	9.0	0.00	2.84	1.42	NO		NO
L0000573	0	0.84034E-02	563755.7	4234038.2	9.1	0.00	2.84	1.42	NO		NO
L0000574	0	0.84034E-02	563757.1	4234032.3	9.0	0.00	2.84	1.42	NO		NO
L0000575	0	0.84034E-02	563758.5	4234026.3	8.8	0.00	2.84	1.42	NO		NO
L0000576	0	0.84034E-02	563759.8	4234020.4	8.7	0.00	2.84	1.42	NO		NO
L0000577	0	0.84034E-02	563761.2	4234014.5	8.5	0.00	2.84	1.42	NO		NO
L0000578	0	0.84034E-02	563762.6	4234008.5	8.4	0.00	2.84	1.42	NO		NO
L0000579	0	0.84034E-02	563764.0	4234002.6	8.3	0.00	2.84	1.42	NO		NO

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000580	0	0.84034E-02	563765.3	4233996.6	8.4	0.00	2.84	1.42	NO		NO
L0000581	0	0.84034E-02	563766.7	4233990.7	8.4	0.00	2.84	1.42	NO		NO
L0000582	0	0.84034E-02	563768.1	4233984.8	8.5	0.00	2.84	1.42	NO		NO
L0000583	0	0.84034E-02	563769.5	4233978.8	8.5	0.00	2.84	1.42	NO		NO
L0000584	0	0.84034E-02	563770.8	4233972.9	8.6	0.00	2.84	1.42	NO		NO
L0000585	0	0.84034E-02	563772.2	4233966.9	8.6	0.00	2.84	1.42	NO		NO
L0000586	0	0.84034E-02	563773.5	4233961.0	8.7	0.00	2.84	1.42	NO		NO
L0000587	0	0.84034E-02	563774.8	4233955.0	8.7	0.00	2.84	1.42	NO		NO
L0000588	0	0.84034E-02	563776.2	4233949.1	8.8	0.00	2.84	1.42	NO		NO
L0000589	0	0.84034E-02	563777.5	4233943.1	8.8	0.00	2.84	1.42	NO		NO
L0000590	0	0.80645E-02	563804.0	4233938.1	9.0	0.00	2.84	1.42	NO		NO
L0000591	0	0.80645E-02	563802.5	4233944.0	9.0	0.00	2.84	1.42	NO		NO
L0000592	0	0.80645E-02	563801.0	4233949.9	9.1	0.00	2.84	1.42	NO		NO
L0000593	0	0.80645E-02	563799.5	4233955.8	9.2	0.00	2.84	1.42	NO		NO
L0000594	0	0.80645E-02	563797.9	4233961.7	9.2	0.00	2.84	1.42	NO		NO
L0000595	0	0.80645E-02	563796.4	4233967.6	9.3	0.00	2.84	1.42	NO		NO
L0000596	0	0.80645E-02	563794.9	4233973.5	9.3	0.00	2.84	1.42	NO		NO
L0000597	0	0.80645E-02	563793.4	4233979.4	9.3	0.00	2.84	1.42	NO		NO
L0000598	0	0.80645E-02	563791.8	4233985.3	9.3	0.00	2.84	1.42	NO		NO
L0000599	0	0.80645E-02	563790.3	4233991.2	9.2	0.00	2.84	1.42	NO		NO
L0000600	0	0.80645E-02	563788.8	4233997.1	9.2	0.00	2.84	1.42	NO		NO
L0000601	0	0.80645E-02	563787.3	4234003.0	9.1	0.00	2.84	1.42	NO		NO
L0000602	0	0.80645E-02	563785.7	4234008.9	9.2	0.00	2.84	1.42	NO		NO
L0000603	0	0.80645E-02	563784.2	4234014.8	9.3	0.00	2.84	1.42	NO		NO
L0000604	0	0.80645E-02	563782.7	4234020.7	9.5	0.00	2.84	1.42	NO		NO
L0000605	0	0.80645E-02	563781.2	4234026.6	9.6	0.00	2.84	1.42	NO		NO
L0000606	0	0.80645E-02	563779.8	4234032.5	9.8	0.00	2.84	1.42	NO		NO
L0000607	0	0.80645E-02	563778.4	4234038.5	9.8	0.00	2.84	1.42	NO		NO
L0000608	0	0.80645E-02	563777.1	4234044.4	9.8	0.00	2.84	1.42	NO		NO
L0000609	0	0.80645E-02	563775.7	4234050.3	9.7	0.00	2.84	1.42	NO		NO
L0000610	0	0.80645E-02	563774.3	4234056.3	9.7	0.00	2.84	1.42	NO		NO
L0000611	0	0.80645E-02	563772.9	4234062.2	9.6	0.00	2.84	1.42	NO		NO
L0000612	0	0.80645E-02	563771.5	4234068.1	9.7	0.00	2.84	1.42	NO		NO
L0000613	0	0.80645E-02	563770.1	4234074.1	9.8	0.00	2.84	1.42	NO		NO
L0000614	0	0.80645E-02	563768.7	4234080.0	10.0	0.00	2.84	1.42	NO		NO
L0000615	0	0.80645E-02	563767.3	4234086.0	10.1	0.00	2.84	1.42	NO		NO
L0000616	0	0.80645E-02	563765.9	4234091.9	10.3	0.00	2.84	1.42	NO		NO
L0000617	0	0.80645E-02	563764.5	4234097.8	10.4	0.00	2.84	1.42	NO		NO
L0000618	0	0.80645E-02	563763.1	4234103.8	10.4	0.00	2.84	1.42	NO		NO
L0000619	0	0.80645E-02	563761.7	4234109.7	10.4	0.00	2.84	1.42	NO		NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000620	0	0.80645E-02	563760.3	4234115.6	10.4	0.00	2.84	1.42	NO		NO
L0000621	0	0.80645E-02	563758.9	4234121.6	10.3	0.00	2.84	1.42	NO		NO
L0000622	0	0.80645E-02	563757.5	4234127.5	10.3	0.00	2.84	1.42	NO		NO
L0000623	0	0.80645E-02	563756.1	4234133.4	10.2	0.00	2.84	1.42	NO		NO
L0000624	0	0.80645E-02	563754.8	4234139.4	10.1	0.00	2.84	1.42	NO		NO
L0000625	0	0.80645E-02	563753.4	4234145.3	10.0	0.00	2.84	1.42	NO		NO
L0000626	0	0.80645E-02	563752.0	4234151.2	9.9	0.00	2.84	1.42	NO		NO
L0000627	0	0.80645E-02	563750.6	4234157.2	9.9	0.00	2.84	1.42	NO		NO
L0000628	0	0.80645E-02	563749.4	4234163.1	10.1	0.00	2.84	1.42	NO		NO
L0000629	0	0.80645E-02	563748.2	4234169.1	10.2	0.00	2.84	1.42	NO		NO
L0000630	0	0.80645E-02	563747.1	4234175.1	10.4	0.00	2.84	1.42	NO		NO
L0000631	0	0.80645E-02	563745.9	4234181.1	10.6	0.00	2.84	1.42	NO		NO
L0000632	0	0.80645E-02	563744.8	4234187.1	10.7	0.00	2.84	1.42	NO		NO
L0000633	0	0.80645E-02	563743.7	4234193.1	10.7	0.00	2.84	1.42	NO		NO
L0000634	0	0.80645E-02	563742.5	4234199.1	10.6	0.00	2.84	1.42	NO		NO
L0000635	0	0.80645E-02	563741.4	4234205.1	10.6	0.00	2.84	1.42	NO		NO
L0000636	0	0.80645E-02	563740.6	4234211.1	10.6	0.00	2.84	1.42	NO		NO
L0000637	0	0.80645E-02	563740.0	4234217.2	10.6	0.00	2.84	1.42	NO		NO
L0000638	0	0.80645E-02	563739.3	4234223.2	10.6	0.00	2.84	1.42	NO		NO
L0000639	0	0.80645E-02	563738.7	4234229.3	10.7	0.00	2.84	1.42	NO		NO
L0000640	0	0.80645E-02	563738.1	4234235.4	10.8	0.00	2.84	1.42	NO		NO
L0000641	0	0.80645E-02	563737.4	4234241.4	10.8	0.00	2.84	1.42	NO		NO
L0000642	0	0.80645E-02	563736.8	4234247.5	10.9	0.00	2.84	1.42	NO		NO
L0000643	0	0.80645E-02	563736.3	4234253.5	11.0	0.00	2.84	1.42	NO		NO
L0000644	0	0.80645E-02	563736.2	4234259.6	11.1	0.00	2.84	1.42	NO		NO
L0000645	0	0.80645E-02	563736.1	4234265.7	11.2	0.00	2.84	1.42	NO		NO
L0000646	0	0.80645E-02	563736.1	4234271.8	11.3	0.00	2.84	1.42	NO		NO
L0000647	0	0.80645E-02	563736.0	4234277.9	11.4	0.00	2.84	1.42	NO		NO
L0000648	0	0.80645E-02	563735.9	4234284.0	11.4	0.00	2.84	1.42	NO		NO
L0000649	0	0.80645E-02	563735.8	4234290.1	11.4	0.00	2.84	1.42	NO		NO
L0000650	0	0.80645E-02	563735.7	4234296.2	11.4	0.00	2.84	1.42	NO		NO
L0000651	0	0.80645E-02	563735.7	4234302.3	11.4	0.00	2.84	1.42	NO		NO
L0000652	0	0.80645E-02	563735.7	4234308.4	11.4	0.00	2.84	1.42	NO		NO
L0000653	0	0.80645E-02	563736.1	4234314.5	11.4	0.00	2.84	1.42	NO		NO
L0000654	0	0.80645E-02	563736.5	4234320.6	11.4	0.00	2.84	1.42	NO		NO
L0000655	0	0.80645E-02	563736.9	4234326.7	11.4	0.00	2.84	1.42	NO		NO
L0000656	0	0.80645E-02	563737.3	4234332.7	11.5	0.00	2.84	1.42	NO		NO
L0000657	0	0.80645E-02	563737.8	4234338.8	11.5	0.00	2.84	1.42	NO		NO
L0000658	0	0.80645E-02	563738.7	4234344.8	11.5	0.00	2.84	1.42	NO		NO
L0000659	0	0.80645E-02	563739.5	4234350.9	11.5	0.00	2.84	1.42	NO		NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0000660	0	0.80645E-02	563740.3	4234356.9	11.6	0.00	2.84	1.42	NO		NO
L0000661	0	0.80645E-02	563741.2	4234363.0	11.6	0.00	2.84	1.42	NO		NO
L0000662	0	0.80645E-02	563742.0	4234369.0	11.6	0.00	2.84	1.42	NO		NO
L0000663	0	0.80645E-02	563742.9	4234375.0	11.6	0.00	2.84	1.42	NO		NO
L0000664	0	0.80645E-02	563743.7	4234381.1	11.7	0.00	2.84	1.42	NO		NO
L0000665	0	0.80645E-02	563744.5	4234387.1	11.7	0.00	2.84	1.42	NO		NO
L0000666	0	0.80645E-02	563745.4	4234393.1	11.7	0.00	2.84	1.42	NO		NO
L0000667	0	0.80645E-02	563746.2	4234399.2	11.6	0.00	2.84	1.42	NO		NO
L0000668	0	0.80645E-02	563747.1	4234405.2	11.4	0.00	2.84	1.42	NO		NO
L0000669	0	0.80645E-02	563747.9	4234411.3	11.2	0.00	2.84	1.42	NO		NO
L0000670	0	0.80645E-02	563748.7	4234417.3	11.0	0.00	2.84	1.42	NO		NO
L0000671	0	0.80645E-02	563749.6	4234423.3	10.8	0.00	2.84	1.42	NO		NO
L0000672	0	0.80645E-02	563750.5	4234429.4	10.6	0.00	2.84	1.42	NO		NO
L0000673	0	0.80645E-02	563751.4	4234435.4	10.3	0.00	2.84	1.42	NO		NO
L0000674	0	0.80645E-02	563752.2	4234441.4	9.9	0.00	2.84	1.42	NO		NO
L0000675	0	0.80645E-02	563753.1	4234447.5	9.6	0.00	2.84	1.42	NO		NO
L0000676	0	0.80645E-02	563754.0	4234453.5	9.2	0.00	2.84	1.42	NO		NO
L0000677	0	0.80645E-02	563754.9	4234459.5	9.0	0.00	2.84	1.42	NO		NO
L0000678	0	0.80645E-02	563755.8	4234465.6	8.8	0.00	2.84	1.42	NO		NO
L0000679	0	0.80645E-02	563756.6	4234471.6	8.7	0.00	2.84	1.42	NO		NO
L0000680	0	0.80645E-02	563757.5	4234477.6	8.5	0.00	2.84	1.42	NO		NO
L0000681	0	0.80645E-02	563758.4	4234483.7	8.4	0.00	2.84	1.42	NO		NO
L0000682	0	0.80645E-02	563758.8	4234489.7	8.2	0.00	2.84	1.42	NO		NO
L0000683	0	0.80645E-02	563759.0	4234495.8	8.0	0.00	2.84	1.42	NO		NO
L0000684	0	0.80645E-02	563759.3	4234501.9	7.8	0.00	2.84	1.42	NO		NO
L0000685	0	0.80645E-02	563759.6	4234508.0	7.7	0.00	2.84	1.42	NO		NO
L0000686	0	0.80645E-02	563759.9	4234514.1	7.5	0.00	2.84	1.42	NO		NO
L0000687	0	0.80645E-02	563760.2	4234520.2	7.3	0.00	2.84	1.42	NO		NO
L0000688	0	0.80645E-02	563760.5	4234526.3	7.2	0.00	2.84	1.42	NO		NO
L0000689	0	0.80645E-02	563760.8	4234532.4	7.1	0.00	2.84	1.42	NO		NO
L0000690	0	0.80645E-02	563761.1	4234538.4	6.9	0.00	2.84	1.42	NO		NO
L0000691	0	0.80645E-02	563761.4	4234544.5	6.8	0.00	2.84	1.42	NO		NO
L0000692	0	0.80645E-02	563761.7	4234550.6	6.9	0.00	2.84	1.42	NO		NO
L0000693	0	0.80645E-02	563762.1	4234556.7	7.1	0.00	2.84	1.42	NO		NO
L0000694	0	0.80645E-02	563762.5	4234562.8	7.3	0.00	2.84	1.42	NO		NO
L0000695	0	0.80645E-02	563763.0	4234568.9	7.5	0.00	2.84	1.42	NO		NO
L0000696	0	0.80645E-02	563763.4	4234574.9	7.6	0.00	2.84	1.42	NO		NO
L0000697	0	0.80645E-02	563763.9	4234581.0	7.9	0.00	2.84	1.42	NO		NO
L0000698	0	0.80645E-02	563764.3	4234587.1	8.2	0.00	2.84	1.42	NO		NO
L0000699	0	0.80645E-02	563764.7	4234593.2	8.5	0.00	2.84	1.42	NO		NO

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*** VOLUME SOURCE DATA ***

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L0000700	0	0.80645E-02	563765.2	4234599.3	8.7	0.00	2.84	1.42	NO		NO
L0000701	0	0.80645E-02	563765.6	4234605.3	9.0	0.00	2.84	1.42	NO		NO
L0000702	0	0.80645E-02	563766.1	4234611.4	9.0	0.00	2.84	1.42	NO		NO
L0000703	0	0.80645E-02	563766.5	4234617.5	9.0	0.00	2.84	1.42	NO		NO
L0000704	0	0.80645E-02	563767.0	4234623.6	9.0	0.00	2.84	1.42	NO		NO
L0000705	0	0.80645E-02	563767.4	4234629.7	9.0	0.00	2.84	1.42	NO		NO
L0000706	0	0.80645E-02	563767.9	4234635.7	9.0	0.00	2.84	1.42	NO		NO
L0000707	0	0.80645E-02	563768.3	4234641.8	9.0	0.00	2.84	1.42	NO		NO
L0000708	0	0.80645E-02	563768.8	4234647.9	9.0	0.00	2.84	1.42	NO		NO
L0000709	0	0.80645E-02	563769.2	4234654.0	9.0	0.00	2.84	1.42	NO		NO
L0000710	0	0.80645E-02	563768.1	4234659.9	9.0	0.00	2.84	1.42	NO		NO
L0000711	0	0.80645E-02	563764.7	4234664.7	9.0	0.00	2.84	1.42	NO		NO
L0000712	0	0.80645E-02	563760.2	4234668.9	9.0	0.00	2.84	1.42	NO		NO
L0000713	0	0.80645E-02	563754.2	4234669.5	9.0	0.00	2.84	1.42	NO		NO
L0001812	0	0.60606E-02	563753.2	4234659.8	9.0	0.00	2.84	1.42	NO		NO
L0001813	0	0.60606E-02	563759.2	4234660.9	9.0	0.00	2.84	1.42	NO		NO
L0001814	0	0.60606E-02	563764.6	4234663.3	9.0	0.00	2.84	1.42	NO		NO
L0001815	0	0.60606E-02	563769.4	4234667.1	9.0	0.00	2.84	1.42	NO		NO
L0001816	0	0.60606E-02	563772.5	4234672.3	9.0	0.00	2.84	1.42	NO		NO
L0001817	0	0.60606E-02	563774.4	4234678.0	9.0	0.00	2.84	1.42	NO		NO
L0001818	0	0.60606E-02	563775.3	4234684.0	9.0	0.00	2.84	1.42	NO		NO
L0001819	0	0.60606E-02	563776.3	4234690.0	9.0	0.00	2.84	1.42	NO		NO
L0001820	0	0.60606E-02	563776.5	4234696.1	9.0	0.00	2.84	1.42	NO		NO
L0001821	0	0.60606E-02	563776.6	4234702.2	9.0	0.00	2.84	1.42	NO		NO
L0001822	0	0.60606E-02	563776.7	4234708.3	9.0	0.00	2.84	1.42	NO		NO
L0001823	0	0.60606E-02	563776.7	4234714.4	9.0	0.00	2.84	1.42	NO		NO
L0001824	0	0.60606E-02	563776.8	4234720.5	9.0	0.00	2.84	1.42	NO		NO
L0001825	0	0.60606E-02	563777.0	4234726.6	9.0	0.00	2.84	1.42	NO		NO
L0001826	0	0.60606E-02	563777.2	4234732.7	9.0	0.00	2.84	1.42	NO		NO
L0001827	0	0.60606E-02	563777.3	4234738.8	9.0	0.00	2.84	1.42	NO		NO
L0001828	0	0.60606E-02	563777.5	4234744.9	9.0	0.00	2.84	1.42	NO		NO
L0001829	0	0.60606E-02	563777.7	4234751.0	9.0	0.00	2.84	1.42	NO		NO
L0001830	0	0.60606E-02	563777.9	4234757.1	9.0	0.00	2.84	1.42	NO		NO
L0001831	0	0.60606E-02	563778.1	4234763.2	9.0	0.00	2.84	1.42	NO		NO
L0001832	0	0.60606E-02	563778.3	4234769.3	9.0	0.00	2.84	1.42	NO		NO
L0001833	0	0.60606E-02	563778.4	4234775.3	9.0	0.00	2.84	1.42	NO		NO
L0001834	0	0.60606E-02	563778.6	4234781.4	9.0	0.00	2.84	1.42	NO		NO
L0001835	0	0.60606E-02	563778.8	4234787.5	9.0	0.00	2.84	1.42	NO		NO
L0001836	0	0.60606E-02	563779.0	4234793.6	9.0	0.00	2.84	1.42	NO		NO
L0001837	0	0.60606E-02	563779.2	4234799.7	9.0	0.00	2.84	1.42	NO		NO

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0001838	0	0.60606E-02	563779.4	4234805.8	9.0	0.00	2.84	1.42	NO		NO
L0001839	0	0.60606E-02	563779.5	4234811.9	9.0	0.00	2.84	1.42	NO		NO
L0001840	0	0.60606E-02	563779.7	4234818.0	9.0	0.00	2.84	1.42	NO		NO
L0001841	0	0.60606E-02	563779.9	4234824.1	9.0	0.00	2.84	1.42	NO		NO
L0001842	0	0.60606E-02	563780.1	4234830.2	9.0	0.00	2.84	1.42	NO		NO
L0001843	0	0.60606E-02	563780.3	4234836.3	9.0	0.00	2.84	1.42	NO		NO
L0001844	0	0.60606E-02	563780.5	4234842.4	9.0	0.00	2.84	1.42	NO		NO
L0001845	0	0.60606E-02	563780.7	4234848.5	9.0	0.00	2.84	1.42	NO		NO
L0001846	0	0.60606E-02	563780.8	4234854.6	9.0	0.00	2.84	1.42	NO		NO
L0001847	0	0.60606E-02	563781.1	4234860.7	9.0	0.00	2.84	1.42	NO		NO
L0001848	0	0.60606E-02	563781.3	4234866.7	9.0	0.00	2.84	1.42	NO		NO
L0001849	0	0.60606E-02	563781.5	4234872.8	9.0	0.00	2.84	1.42	NO		NO
L0001850	0	0.60606E-02	563781.7	4234878.9	9.0	0.00	2.84	1.42	NO		NO
L0001851	0	0.60606E-02	563781.9	4234885.0	9.0	0.00	2.84	1.42	NO		NO
L0001852	0	0.60606E-02	563782.1	4234891.1	9.0	0.00	2.84	1.42	NO		NO
L0001853	0	0.60606E-02	563782.3	4234897.2	9.0	0.00	2.84	1.42	NO		NO
L0001854	0	0.60606E-02	563782.5	4234903.3	9.0	0.00	2.84	1.42	NO		NO
L0001855	0	0.60606E-02	563782.7	4234909.4	9.0	0.00	2.84	1.42	NO		NO
L0001856	0	0.60606E-02	563783.0	4234915.5	9.0	0.00	2.84	1.42	NO		NO
L0001857	0	0.60606E-02	563783.2	4234921.6	9.0	0.00	2.84	1.42	NO		NO
L0001858	0	0.60606E-02	563783.4	4234927.7	9.0	0.00	2.84	1.42	NO		NO
L0001859	0	0.60606E-02	563783.6	4234933.8	9.0	0.00	2.84	1.42	NO		NO
L0001860	0	0.60606E-02	563783.7	4234939.9	9.0	0.00	2.84	1.42	NO		NO
L0001861	0	0.60606E-02	563783.9	4234946.0	9.0	0.00	2.84	1.42	NO		NO
L0001862	0	0.60606E-02	563784.0	4234952.0	9.0	0.00	2.84	1.42	NO		NO
L0001863	0	0.60606E-02	563784.1	4234958.1	9.0	0.00	2.84	1.42	NO		NO
L0001864	0	0.60606E-02	563784.3	4234964.2	9.0	0.00	2.84	1.42	NO		NO
L0001865	0	0.60606E-02	563784.4	4234970.3	9.0	0.00	2.84	1.42	NO		NO
L0001866	0	0.60606E-02	563784.6	4234976.4	9.0	0.00	2.84	1.42	NO		NO
L0001867	0	0.60606E-02	563784.7	4234982.5	9.0	0.00	2.84	1.42	NO		NO
L0001868	0	0.60606E-02	563784.9	4234988.6	9.0	0.00	2.84	1.42	NO		NO
L0001869	0	0.60606E-02	563785.1	4234994.7	9.1	0.00	2.84	1.42	NO		NO
L0001870	0	0.60606E-02	563785.3	4235000.8	9.2	0.00	2.84	1.42	NO		NO
L0001871	0	0.60606E-02	563785.5	4235006.9	9.4	0.00	2.84	1.42	NO		NO
L0001872	0	0.60606E-02	563785.7	4235013.0	9.6	0.00	2.84	1.42	NO		NO
L0001873	0	0.60606E-02	563785.9	4235019.1	9.8	0.00	2.84	1.42	NO		NO
L0001874	0	0.60606E-02	563786.1	4235025.2	10.0	0.00	2.84	1.42	NO		NO
L0001875	0	0.60606E-02	563786.3	4235031.3	10.0	0.00	2.84	1.42	NO		NO
L0001876	0	0.60606E-02	563786.4	4235037.4	10.0	0.00	2.84	1.42	NO		NO
L0001877	0	0.60606E-02	563786.6	4235043.4	10.0	0.00	2.84	1.42	NO		NO

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L0001878	0	0.60606E-02	563786.8	4235049.5	10.0	0.00	2.84	1.42	NO		NO
L0001879	0	0.60606E-02	563787.0	4235055.6	10.0	0.00	2.84	1.42	NO		NO
L0001880	0	0.60606E-02	563787.2	4235061.7	10.0	0.00	2.84	1.42	NO		NO
L0001881	0	0.60606E-02	563787.4	4235067.8	10.0	0.00	2.84	1.42	NO		NO
L0001882	0	0.60606E-02	563787.6	4235073.9	10.0	0.00	2.84	1.42	NO		NO
L0001883	0	0.60606E-02	563787.8	4235080.0	10.0	0.00	2.84	1.42	NO		NO
L0001884	0	0.60606E-02	563788.0	4235086.1	10.0	0.00	2.84	1.42	NO		NO
L0001885	0	0.60606E-02	563788.2	4235092.2	10.0	0.00	2.84	1.42	NO		NO
L0001886	0	0.60606E-02	563788.4	4235098.3	10.0	0.00	2.84	1.42	NO		NO
L0001887	0	0.60606E-02	563788.6	4235104.4	10.0	0.00	2.84	1.42	NO		NO
L0001888	0	0.60606E-02	563788.7	4235110.5	10.0	0.00	2.84	1.42	NO		NO
L0001889	0	0.60606E-02	563788.9	4235116.6	10.0	0.00	2.84	1.42	NO		NO
L0001890	0	0.60606E-02	563789.1	4235122.7	9.8	0.00	2.84	1.42	NO		NO
L0001891	0	0.60606E-02	563789.3	4235128.7	9.6	0.00	2.84	1.42	NO		NO
L0001892	0	0.60606E-02	563789.5	4235134.8	9.4	0.00	2.84	1.42	NO		NO
L0001893	0	0.60606E-02	563789.7	4235140.9	9.2	0.00	2.84	1.42	NO		NO
L0001894	0	0.60606E-02	563789.9	4235147.0	9.0	0.00	2.84	1.42	NO		NO
L0001895	0	0.60606E-02	563790.1	4235153.1	9.0	0.00	2.84	1.42	NO		NO
L0001896	0	0.60606E-02	563790.3	4235159.2	9.0	0.00	2.84	1.42	NO		NO
L0001897	0	0.60606E-02	563790.5	4235165.3	9.0	0.00	2.84	1.42	NO		NO
L0001898	0	0.60606E-02	563790.7	4235171.4	9.0	0.00	2.84	1.42	NO		NO
L0001899	0	0.60606E-02	563790.9	4235177.5	9.0	0.00	2.84	1.42	NO		NO
L0001900	0	0.60606E-02	563791.0	4235183.6	8.9	0.00	2.84	1.42	NO		NO
L0001901	0	0.60606E-02	563791.2	4235189.7	8.9	0.00	2.84	1.42	NO		NO
L0001902	0	0.60606E-02	563791.4	4235195.8	8.8	0.00	2.84	1.42	NO		NO
L0001903	0	0.60606E-02	563791.6	4235201.9	8.8	0.00	2.84	1.42	NO		NO
L0001904	0	0.60606E-02	563791.7	4235208.0	8.6	0.00	2.84	1.42	NO		NO
L0001905	0	0.60606E-02	563791.6	4235214.1	8.0	0.00	2.84	1.42	NO		NO
L0001906	0	0.60606E-02	563791.6	4235220.1	7.5	0.00	2.84	1.42	NO		NO
L0001907	0	0.60606E-02	563791.5	4235226.2	6.9	0.00	2.84	1.42	NO		NO
L0001908	0	0.60606E-02	563791.4	4235232.3	6.3	0.00	2.84	1.42	NO		NO
L0001909	0	0.60606E-02	563791.3	4235238.4	6.0	0.00	2.84	1.42	NO		NO
L0001910	0	0.60606E-02	563791.2	4235244.5	6.0	0.00	2.84	1.42	NO		NO
L0001911	0	0.60606E-02	563791.2	4235250.6	6.0	0.00	2.84	1.42	NO		NO
L0001912	0	0.60606E-02	563791.1	4235256.7	6.0	0.00	2.84	1.42	NO		NO
L0001913	0	0.60606E-02	563791.0	4235262.8	6.0	0.00	2.84	1.42	NO		NO
L0001914	0	0.60606E-02	563790.9	4235268.9	6.0	0.00	2.84	1.42	NO		NO
L0001915	0	0.60606E-02	563790.9	4235275.0	6.0	0.00	2.84	1.42	NO		NO
L0001916	0	0.60606E-02	563790.8	4235281.1	6.0	0.00	2.84	1.42	NO		NO
L0001917	0	0.60606E-02	563790.7	4235287.2	6.0	0.00	2.84	1.42	NO		NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0001918	0	0.60606E-02	563790.7	4235293.3	6.0	0.00	2.84	1.42	NO		NO
L0001919	0	0.60606E-02	563790.6	4235299.4	6.1	0.00	2.84	1.42	NO		NO
L0001920	0	0.60606E-02	563790.4	4235305.5	6.2	0.00	2.84	1.42	NO		NO
L0001921	0	0.60606E-02	563790.2	4235311.6	6.4	0.00	2.84	1.42	NO		NO
L0001922	0	0.60606E-02	563789.9	4235317.7	6.6	0.00	2.84	1.42	NO		NO
L0001923	0	0.60606E-02	563789.7	4235323.8	6.7	0.00	2.84	1.42	NO		NO
L0001924	0	0.60606E-02	563789.4	4235329.8	6.7	0.00	2.84	1.42	NO		NO
L0001925	0	0.60606E-02	563789.2	4235335.9	6.6	0.00	2.84	1.42	NO		NO
L0001926	0	0.60606E-02	563788.9	4235342.0	6.5	0.00	2.84	1.42	NO		NO
L0001927	0	0.60606E-02	563788.7	4235348.1	6.3	0.00	2.84	1.42	NO		NO
L0001928	0	0.60606E-02	563788.4	4235354.2	6.2	0.00	2.84	1.42	NO		NO
L0001929	0	0.60606E-02	563788.1	4235360.3	6.5	0.00	2.84	1.42	NO		NO
L0001930	0	0.60606E-02	563787.9	4235366.4	7.1	0.00	2.84	1.42	NO		NO
L0001931	0	0.60606E-02	563787.6	4235372.5	7.7	0.00	2.84	1.42	NO		NO
L0001932	0	0.60606E-02	563787.4	4235378.6	8.3	0.00	2.84	1.42	NO		NO
L0001933	0	0.60606E-02	563787.1	4235384.7	8.9	0.00	2.84	1.42	NO		NO
L0001934	0	0.60606E-02	563786.9	4235390.8	9.0	0.00	2.84	1.42	NO		NO
L0001935	0	0.60606E-02	563786.6	4235396.8	9.0	0.00	2.84	1.42	NO		NO
L0001936	0	0.60606E-02	563786.3	4235402.9	9.1	0.00	2.84	1.42	NO		NO
L0001937	0	0.60606E-02	563786.1	4235409.0	9.1	0.00	2.84	1.42	NO		NO
L0001938	0	0.60606E-02	563785.8	4235415.1	9.1	0.00	2.84	1.42	NO		NO
L0001939	0	0.60606E-02	563785.6	4235421.2	9.1	0.00	2.84	1.42	NO		NO
L0001940	0	0.60606E-02	563785.1	4235427.3	9.1	0.00	2.84	1.42	NO		NO
L0001941	0	0.60606E-02	563784.6	4235433.4	9.0	0.00	2.84	1.42	NO		NO
L0001942	0	0.60606E-02	563784.0	4235439.4	9.0	0.00	2.84	1.42	NO		NO
L0001943	0	0.60606E-02	563783.5	4235445.5	9.0	0.00	2.84	1.42	NO		NO
L0001944	0	0.60606E-02	563783.0	4235451.6	9.0	0.00	2.84	1.42	NO		NO
L0001945	0	0.60606E-02	563782.5	4235457.6	9.0	0.00	2.84	1.42	NO		NO
L0001946	0	0.60606E-02	563781.9	4235463.7	9.0	0.00	2.84	1.42	NO		NO
L0001947	0	0.60606E-02	563781.4	4235469.8	9.0	0.00	2.84	1.42	NO		NO
L0001948	0	0.60606E-02	563780.9	4235475.9	9.0	0.00	2.84	1.42	NO		NO
L0001949	0	0.60606E-02	563780.3	4235481.9	9.0	0.00	2.84	1.42	NO		NO
L0001950	0	0.60606E-02	563779.8	4235488.0	9.0	0.00	2.84	1.42	NO		NO
L0001951	0	0.60606E-02	563779.2	4235494.1	9.0	0.00	2.84	1.42	NO		NO
L0001952	0	0.60606E-02	563778.6	4235500.1	9.0	0.00	2.84	1.42	NO		NO
L0001953	0	0.60606E-02	563778.0	4235506.2	9.0	0.00	2.84	1.42	NO		NO
L0001954	0	0.60606E-02	563777.4	4235512.3	9.0	0.00	2.84	1.42	NO		NO
L0001955	0	0.60606E-02	563776.8	4235518.3	8.9	0.00	2.84	1.42	NO		NO
L0001956	0	0.60606E-02	563776.2	4235524.4	8.9	0.00	2.84	1.42	NO		NO
L0001957	0	0.60606E-02	563775.6	4235530.5	8.8	0.00	2.84	1.42	NO		NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0001958	0	0.60606E-02	563775.0	4235536.5	8.7	0.00	2.84	1.42	NO		NO
L0001959	0	0.60606E-02	563774.4	4235542.6	8.7	0.00	2.84	1.42	NO		NO
L0001960	0	0.60606E-02	563773.9	4235548.7	8.7	0.00	2.84	1.42	NO		NO
L0001961	0	0.60606E-02	563773.3	4235554.7	8.7	0.00	2.84	1.42	NO		NO
L0001962	0	0.60606E-02	563772.6	4235560.8	8.6	0.00	2.84	1.42	NO		NO
L0001963	0	0.60606E-02	563772.0	4235566.9	8.6	0.00	2.84	1.42	NO		NO
L0001964	0	0.60606E-02	563771.3	4235572.9	8.6	0.00	2.84	1.42	NO		NO
L0001965	0	0.60606E-02	563770.6	4235579.0	8.6	0.00	2.84	1.42	NO		NO
L0001966	0	0.60606E-02	563769.9	4235585.0	8.5	0.00	2.84	1.42	NO		NO
L0001967	0	0.60606E-02	563769.3	4235591.1	8.5	0.00	2.84	1.42	NO		NO
L0001968	0	0.60606E-02	563768.6	4235597.2	8.5	0.00	2.84	1.42	NO		NO
L0001969	0	0.60606E-02	563767.9	4235603.2	8.5	0.00	2.84	1.42	NO		NO
L0001970	0	0.60606E-02	563767.1	4235609.3	8.5	0.00	2.84	1.42	NO		NO
L0001971	0	0.60606E-02	563766.3	4235615.3	8.4	0.00	2.84	1.42	NO		NO
L0001972	0	0.60606E-02	563765.5	4235621.4	8.4	0.00	2.84	1.42	NO		NO
L0001973	0	0.60606E-02	563764.8	4235627.4	8.4	0.00	2.84	1.42	NO		NO
L0001974	0	0.60606E-02	563764.0	4235633.5	8.5	0.00	2.84	1.42	NO		NO
L0001975	0	0.60606E-02	563763.2	4235639.5	8.6	0.00	2.84	1.42	NO		NO
L0001976	0	0.60606E-02	563762.4	4235645.5	8.8	0.00	2.84	1.42	NO		NO
L0001651	0	0.62112E-02	563745.3	4235648.5	8.5	0.00	2.84	1.42	NO		NO
L0001652	0	0.62112E-02	563746.1	4235642.4	8.4	0.00	2.84	1.42	NO		NO
L0001653	0	0.62112E-02	563746.9	4235636.4	8.3	0.00	2.84	1.42	NO		NO
L0001654	0	0.62112E-02	563747.6	4235630.4	8.1	0.00	2.84	1.42	NO		NO
L0001655	0	0.62112E-02	563748.4	4235624.3	8.0	0.00	2.84	1.42	NO		NO
L0001656	0	0.62112E-02	563749.2	4235618.3	7.9	0.00	2.84	1.42	NO		NO
L0001657	0	0.62112E-02	563749.9	4235612.2	7.9	0.00	2.84	1.42	NO		NO
L0001658	0	0.62112E-02	563750.7	4235606.2	7.9	0.00	2.84	1.42	NO		NO
L0001659	0	0.62112E-02	563751.5	4235600.1	7.9	0.00	2.84	1.42	NO		NO
L0001660	0	0.62112E-02	563752.3	4235594.1	7.9	0.00	2.84	1.42	NO		NO
L0001661	0	0.62112E-02	563753.0	4235588.0	8.0	0.00	2.84	1.42	NO		NO
L0001662	0	0.62112E-02	563753.8	4235582.0	8.0	0.00	2.84	1.42	NO		NO
L0001663	0	0.62112E-02	563754.6	4235575.9	8.0	0.00	2.84	1.42	NO		NO
L0001664	0	0.62112E-02	563755.3	4235569.9	8.1	0.00	2.84	1.42	NO		NO
L0001665	0	0.62112E-02	563756.1	4235563.8	8.1	0.00	2.84	1.42	NO		NO
L0001666	0	0.62112E-02	563756.9	4235557.8	8.1	0.00	2.84	1.42	NO		NO
L0001667	0	0.62112E-02	563757.6	4235551.7	8.1	0.00	2.84	1.42	NO		NO
L0001668	0	0.62112E-02	563758.4	4235545.7	8.2	0.00	2.84	1.42	NO		NO
L0001669	0	0.62112E-02	563759.1	4235539.6	8.2	0.00	2.84	1.42	NO		NO
L0001670	0	0.62112E-02	563759.6	4235533.6	8.3	0.00	2.84	1.42	NO		NO
L0001671	0	0.62112E-02	563760.1	4235527.5	8.4	0.00	2.84	1.42	NO		NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0001672	0	0.62112E-02	563760.7	4235521.4	8.6	0.00	2.84	1.42	NO		NO
L0001673	0	0.62112E-02	563761.2	4235515.3	8.8	0.00	2.84	1.42	NO		NO
L0001674	0	0.62112E-02	563761.7	4235509.3	8.9	0.00	2.84	1.42	NO		NO
L0001675	0	0.62112E-02	563762.3	4235503.2	9.0	0.00	2.84	1.42	NO		NO
L0001676	0	0.62112E-02	563762.8	4235497.1	9.0	0.00	2.84	1.42	NO		NO
L0001677	0	0.62112E-02	563763.3	4235491.1	9.0	0.00	2.84	1.42	NO		NO
L0001678	0	0.62112E-02	563763.8	4235485.0	9.0	0.00	2.84	1.42	NO		NO
L0001679	0	0.62112E-02	563764.2	4235478.9	9.0	0.00	2.84	1.42	NO		NO
L0001680	0	0.62112E-02	563764.5	4235472.8	9.0	0.00	2.84	1.42	NO		NO
L0001681	0	0.62112E-02	563764.9	4235466.7	9.0	0.00	2.84	1.42	NO		NO
L0001682	0	0.62112E-02	563765.3	4235460.6	9.0	0.00	2.84	1.42	NO		NO
L0001683	0	0.62112E-02	563765.7	4235454.6	9.0	0.00	2.84	1.42	NO		NO
L0001684	0	0.62112E-02	563766.1	4235448.5	9.0	0.00	2.84	1.42	NO		NO
L0001685	0	0.62112E-02	563766.5	4235442.4	9.0	0.00	2.84	1.42	NO		NO
L0001686	0	0.62112E-02	563766.8	4235436.3	9.0	0.00	2.84	1.42	NO		NO
L0001687	0	0.62112E-02	563767.2	4235430.2	9.0	0.00	2.84	1.42	NO		NO
L0001688	0	0.62112E-02	563767.6	4235424.1	9.0	0.00	2.84	1.42	NO		NO
L0001689	0	0.62112E-02	563768.0	4235418.1	9.0	0.00	2.84	1.42	NO		NO
L0001690	0	0.62112E-02	563768.6	4235412.0	8.9	0.00	2.84	1.42	NO		NO
L0001691	0	0.62112E-02	563769.0	4235405.9	8.8	0.00	2.84	1.42	NO		NO
L0001692	0	0.62112E-02	563769.5	4235399.8	8.7	0.00	2.84	1.42	NO		NO
L0001693	0	0.62112E-02	563770.0	4235393.7	8.7	0.00	2.84	1.42	NO		NO
L0001694	0	0.62112E-02	563770.4	4235387.7	8.6	0.00	2.84	1.42	NO		NO
L0001695	0	0.62112E-02	563770.9	4235381.6	8.2	0.00	2.84	1.42	NO		NO
L0001696	0	0.62112E-02	563771.3	4235375.5	7.7	0.00	2.84	1.42	NO		NO
L0001697	0	0.62112E-02	563771.6	4235369.4	7.1	0.00	2.84	1.42	NO		NO
L0001698	0	0.62112E-02	563771.8	4235363.3	6.6	0.00	2.84	1.42	NO		NO
L0001699	0	0.62112E-02	563772.0	4235357.2	6.1	0.00	2.84	1.42	NO		NO
L0001700	0	0.62112E-02	563772.2	4235351.1	6.1	0.00	2.84	1.42	NO		NO
L0001701	0	0.62112E-02	563772.5	4235345.1	6.2	0.00	2.84	1.42	NO		NO
L0001702	0	0.62112E-02	563772.7	4235339.0	6.4	0.00	2.84	1.42	NO		NO
L0001703	0	0.62112E-02	563772.9	4235332.9	6.5	0.00	2.84	1.42	NO		NO
L0001704	0	0.62112E-02	563773.1	4235326.8	6.6	0.00	2.84	1.42	NO		NO
L0001705	0	0.62112E-02	563773.3	4235320.7	6.5	0.00	2.84	1.42	NO		NO
L0001706	0	0.62112E-02	563773.5	4235314.6	6.4	0.00	2.84	1.42	NO		NO
L0001707	0	0.62112E-02	563773.6	4235308.5	6.3	0.00	2.84	1.42	NO		NO
L0001708	0	0.62112E-02	563773.7	4235302.4	6.1	0.00	2.84	1.42	NO		NO
L0001709	0	0.62112E-02	563773.8	4235296.3	6.0	0.00	2.84	1.42	NO		NO
L0001710	0	0.62112E-02	563773.9	4235290.2	6.0	0.00	2.84	1.42	NO		NO
L0001711	0	0.62112E-02	563774.0	4235284.1	6.0	0.00	2.84	1.42	NO		NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0001712	0	0.62112E-02	563774.1	4235278.0	6.0	0.00	2.84	1.42	NO		NO
L0001713	0	0.62112E-02	563774.3	4235271.9	6.0	0.00	2.84	1.42	NO		NO
L0001714	0	0.62112E-02	563774.4	4235265.8	6.0	0.00	2.84	1.42	NO		NO
L0001715	0	0.62112E-02	563774.5	4235259.7	6.0	0.00	2.84	1.42	NO		NO
L0001716	0	0.62112E-02	563774.6	4235253.6	6.0	0.00	2.84	1.42	NO		NO
L0001717	0	0.62112E-02	563774.7	4235247.5	6.0	0.00	2.84	1.42	NO		NO
L0001718	0	0.62112E-02	563774.8	4235241.5	6.0	0.00	2.84	1.42	NO		NO
L0001719	0	0.62112E-02	563774.9	4235235.4	6.1	0.00	2.84	1.42	NO		NO
L0001720	0	0.62112E-02	563774.7	4235229.3	6.5	0.00	2.84	1.42	NO		NO
L0001721	0	0.62112E-02	563774.6	4235223.2	6.9	0.00	2.84	1.42	NO		NO
L0001722	0	0.62112E-02	563774.5	4235217.1	7.3	0.00	2.84	1.42	NO		NO
L0001723	0	0.62112E-02	563774.4	4235211.0	7.7	0.00	2.84	1.42	NO		NO
L0001724	0	0.62112E-02	563774.3	4235204.9	8.1	0.00	2.84	1.42	NO		NO
L0001725	0	0.62112E-02	563774.1	4235198.8	8.2	0.00	2.84	1.42	NO		NO
L0001726	0	0.62112E-02	563774.0	4235192.7	8.3	0.00	2.84	1.42	NO		NO
L0001727	0	0.62112E-02	563773.9	4235186.6	8.5	0.00	2.84	1.42	NO		NO
L0001728	0	0.62112E-02	563773.8	4235180.5	8.6	0.00	2.84	1.42	NO		NO
L0001729	0	0.62112E-02	563773.7	4235174.4	8.7	0.00	2.84	1.42	NO		NO
L0001730	0	0.62112E-02	563773.5	4235168.3	8.8	0.00	2.84	1.42	NO		NO
L0001731	0	0.62112E-02	563773.4	4235162.2	8.8	0.00	2.84	1.42	NO		NO
L0001732	0	0.62112E-02	563773.3	4235156.1	8.9	0.00	2.84	1.42	NO		NO
L0001733	0	0.62112E-02	563773.2	4235150.0	9.0	0.00	2.84	1.42	NO		NO
L0001734	0	0.62112E-02	563773.1	4235143.9	9.1	0.00	2.84	1.42	NO		NO
L0001735	0	0.62112E-02	563772.9	4235137.8	9.3	0.00	2.84	1.42	NO		NO
L0001736	0	0.62112E-02	563772.7	4235131.7	9.5	0.00	2.84	1.42	NO		NO
L0001737	0	0.62112E-02	563772.5	4235125.7	9.7	0.00	2.84	1.42	NO		NO
L0001738	0	0.62112E-02	563772.3	4235119.6	9.9	0.00	2.84	1.42	NO		NO
L0001739	0	0.62112E-02	563772.1	4235113.5	10.0	0.00	2.84	1.42	NO		NO
L0001740	0	0.62112E-02	563771.9	4235107.4	10.0	0.00	2.84	1.42	NO		NO
L0001741	0	0.62112E-02	563771.7	4235101.3	10.0	0.00	2.84	1.42	NO		NO
L0001742	0	0.62112E-02	563771.5	4235095.2	10.0	0.00	2.84	1.42	NO		NO
L0001743	0	0.62112E-02	563771.3	4235089.1	10.0	0.00	2.84	1.42	NO		NO
L0001744	0	0.62112E-02	563771.1	4235083.0	10.0	0.00	2.84	1.42	NO		NO
L0001745	0	0.62112E-02	563770.9	4235076.9	10.0	0.00	2.84	1.42	NO		NO
L0001746	0	0.62112E-02	563770.7	4235070.8	10.0	0.00	2.84	1.42	NO		NO
L0001747	0	0.62112E-02	563770.5	4235064.7	10.0	0.00	2.84	1.42	NO		NO
L0001748	0	0.62112E-02	563770.3	4235058.6	10.0	0.00	2.84	1.42	NO		NO
L0001749	0	0.62112E-02	563770.1	4235052.5	10.0	0.00	2.84	1.42	NO		NO
L0001750	0	0.62112E-02	563769.9	4235046.4	10.0	0.00	2.84	1.42	NO		NO
L0001751	0	0.62112E-02	563769.8	4235040.4	10.0	0.00	2.84	1.42	NO		NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0001752	0	0.62112E-02	563769.6	4235034.3	10.0	0.00	2.84	1.42	NO		NO
L0001753	0	0.62112E-02	563769.4	4235028.2	10.0	0.00	2.84	1.42	NO		NO
L0001754	0	0.62112E-02	563769.2	4235022.1	9.9	0.00	2.84	1.42	NO		NO
L0001755	0	0.62112E-02	563769.0	4235016.0	9.7	0.00	2.84	1.42	NO		NO
L0001756	0	0.62112E-02	563768.8	4235009.9	9.5	0.00	2.84	1.42	NO		NO
L0001757	0	0.62112E-02	563768.6	4235003.8	9.2	0.00	2.84	1.42	NO		NO
L0001758	0	0.62112E-02	563768.4	4234997.7	9.1	0.00	2.84	1.42	NO		NO
L0001759	0	0.62112E-02	563768.2	4234991.6	9.0	0.00	2.84	1.42	NO		NO
L0001760	0	0.62112E-02	563768.0	4234985.5	9.0	0.00	2.84	1.42	NO		NO
L0001761	0	0.62112E-02	563767.9	4234979.4	9.0	0.00	2.84	1.42	NO		NO
L0001762	0	0.62112E-02	563767.7	4234973.3	9.0	0.00	2.84	1.42	NO		NO
L0001763	0	0.62112E-02	563767.5	4234967.2	9.0	0.00	2.84	1.42	NO		NO
L0001764	0	0.62112E-02	563767.3	4234961.1	9.0	0.00	2.84	1.42	NO		NO
L0001765	0	0.62112E-02	563767.1	4234955.1	9.0	0.00	2.84	1.42	NO		NO
L0001766	0	0.62112E-02	563766.9	4234949.0	9.0	0.00	2.84	1.42	NO		NO
L0001767	0	0.62112E-02	563766.7	4234942.9	9.0	0.00	2.84	1.42	NO		NO
L0001768	0	0.62112E-02	563766.5	4234936.8	9.0	0.00	2.84	1.42	NO		NO
L0001769	0	0.62112E-02	563766.3	4234930.7	9.0	0.00	2.84	1.42	NO		NO
L0001770	0	0.62112E-02	563766.1	4234924.6	9.0	0.00	2.84	1.42	NO		NO
L0001771	0	0.62112E-02	563766.0	4234918.5	9.0	0.00	2.84	1.42	NO		NO
L0001772	0	0.62112E-02	563765.8	4234912.4	9.0	0.00	2.84	1.42	NO		NO
L0001773	0	0.62112E-02	563765.6	4234906.3	9.0	0.00	2.84	1.42	NO		NO
L0001774	0	0.62112E-02	563765.5	4234900.2	9.0	0.00	2.84	1.42	NO		NO
L0001775	0	0.62112E-02	563765.4	4234894.1	9.0	0.00	2.84	1.42	NO		NO
L0001776	0	0.62112E-02	563765.3	4234888.0	9.0	0.00	2.84	1.42	NO		NO
L0001777	0	0.62112E-02	563765.3	4234881.9	9.0	0.00	2.84	1.42	NO		NO
L0001778	0	0.62112E-02	563765.2	4234875.8	9.0	0.00	2.84	1.42	NO		NO
L0001779	0	0.62112E-02	563765.1	4234869.7	9.0	0.00	2.84	1.42	NO		NO
L0001780	0	0.62112E-02	563764.6	4234863.7	9.0	0.00	2.84	1.42	NO		NO
L0001781	0	0.62112E-02	563764.0	4234857.6	9.0	0.00	2.84	1.42	NO		NO
L0001782	0	0.62112E-02	563763.3	4234851.5	9.0	0.00	2.84	1.42	NO		NO
L0001783	0	0.62112E-02	563762.7	4234845.5	9.0	0.00	2.84	1.42	NO		NO
L0001784	0	0.62112E-02	563762.1	4234839.4	9.0	0.00	2.84	1.42	NO		NO
L0001785	0	0.62112E-02	563761.5	4234833.3	9.0	0.00	2.84	1.42	NO		NO
L0001786	0	0.62112E-02	563760.9	4234827.3	9.0	0.00	2.84	1.42	NO		NO
L0001787	0	0.62112E-02	563760.3	4234821.2	9.0	0.00	2.84	1.42	NO		NO
L0001788	0	0.62112E-02	563759.7	4234815.1	9.0	0.00	2.84	1.42	NO		NO
L0001789	0	0.62112E-02	563759.1	4234809.1	9.0	0.00	2.84	1.42	NO		NO
L0001790	0	0.62112E-02	563758.5	4234803.0	9.0	0.00	2.84	1.42	NO		NO
L0001791	0	0.62112E-02	563758.3	4234796.9	9.0	0.00	2.84	1.42	NO		NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
L0001792	0	0.62112E-02	563758.2	4234790.8	9.0	0.00	2.84	1.42	NO		NO
L0001793	0	0.62112E-02	563758.0	4234784.7	9.0	0.00	2.84	1.42	NO		NO
L0001794	0	0.62112E-02	563757.9	4234778.6	9.0	0.00	2.84	1.42	NO		NO
L0001795	0	0.62112E-02	563757.8	4234772.5	9.0	0.00	2.84	1.42	NO		NO
L0001796	0	0.62112E-02	563757.6	4234766.4	9.0	0.00	2.84	1.42	NO		NO
L0001797	0	0.62112E-02	563757.5	4234760.3	9.0	0.00	2.84	1.42	NO		NO
L0001798	0	0.62112E-02	563757.3	4234754.3	9.0	0.00	2.84	1.42	NO		NO
L0001799	0	0.62112E-02	563757.2	4234748.2	9.0	0.00	2.84	1.42	NO		NO
L0001800	0	0.62112E-02	563757.1	4234742.1	9.0	0.00	2.84	1.42	NO		NO
L0001801	0	0.62112E-02	563756.9	4234736.0	9.0	0.00	2.84	1.42	NO		NO
L0001802	0	0.62112E-02	563756.7	4234729.9	9.0	0.00	2.84	1.42	NO		NO
L0001803	0	0.62112E-02	563756.4	4234723.8	9.0	0.00	2.84	1.42	NO		NO
L0001804	0	0.62112E-02	563756.2	4234717.7	9.0	0.00	2.84	1.42	NO		NO
L0001805	0	0.62112E-02	563756.0	4234711.6	9.0	0.00	2.84	1.42	NO		NO
L0001806	0	0.62112E-02	563755.8	4234705.5	9.0	0.00	2.84	1.42	NO		NO
L0001807	0	0.62112E-02	563755.6	4234699.4	9.0	0.00	2.84	1.42	NO		NO
L0001808	0	0.62112E-02	563755.4	4234693.3	9.0	0.00	2.84	1.42	NO		NO
L0001809	0	0.62112E-02	563754.8	4234687.3	9.0	0.00	2.84	1.42	NO		NO
L0001810	0	0.62112E-02	563752.3	4234681.8	9.0	0.00	2.84	1.42	NO		NO
L0001811	0	0.62112E-02	563748.7	4234676.9	9.0	0.00	2.84	1.42	NO		NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
IN_1	L0000134 , L0000135 , L0000136 , L0000137 , L0000138 , L0000139 , L0000140 , L0000141 ,
	L0000142 , L0000143 , L0000144 , L0000145 , L0000146 , L0000147 , L0000148 , L0000149 ,
	L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 ,
	L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 ,
	L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , L0000173 ,
	L0000174 , L0000175 , L0000176 , L0000177 , L0000178 , L0000179 , L0000180 , L0000181 ,
	L0000182 , L0000183 , L0000184 , L0000185 , L0000186 , L0000187 , L0000188 , L0000189 ,
	L0000190 , L0000191 , L0000192 , L0000193 , L0000194 , L0000195 , L0000196 , L0000197 ,
	L0000198 , L0000199 , L0000200 , L0000201 , L0000202 , L0000203 , L0000204 , L0000205 ,
	L0000206 , L0000207 , L0000208 , L0000209 , L0000210 , L0000211 , L0000212 , L0000213 ,
	L0000214 , L0000215 , L0000216 , L0000217 , L0000218 , L0000219 , L0000220 , L0000221 ,
	L0000222 , L0000223 , L0000224 , L0000225 , L0000226 , L0000227 , L0000228 , L0000229 ,
	L0000230 , L0000231 , L0000232 , L0000233 , L0000234 , L0000235 , L0000236 , L0000237 ,
	L0000238 , L0000239 , L0000240 , L0000241 , L0000242 , L0000243 , L0000244 , L0000245 ,
	L0000246 , L0000247 , L0000248 , L0000249 , L0000250 , L0000251 , L0000252 , L0000253 ,
	L0000254 , L0000255 , L0000256 , L0000257 , L0000258 , L0000259 , L0000260 , L0000261 ,
	L0000262 , L0000263 , L0000264 , L0000265 , L0000266 , L0000267 , L0000268 , L0000269 ,
	L0000270 , L0000271 , L0000272 , L0000273 , L0000274 , L0000275 , L0000276 , L0000277 ,
IN_2	L0000590 , L0000591 , L0000592 , L0000593 , L0000594 , L0000595 , L0000596 , L0000597 ,
	L0000598 , L0000599 , L0000600 , L0000601 , L0000602 , L0000603 , L0000604 , L0000605 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000606 , L0000607 , L0000608 , L0000609 , L0000610 , L0000611 , L0000612 , L0000613 ,
	L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 ,
	L0000622 , L0000623 , L0000624 , L0000625 , L0000626 , L0000627 , L0000628 , L0000629 ,
	L0000630 , L0000631 , L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , L0000637 ,
	L0000638 , L0000639 , L0000640 , L0000641 , L0000642 , L0000643 , L0000644 , L0000645 ,
	L0000646 , L0000647 , L0000648 , L0000649 , L0000650 , L0000651 , L0000652 , L0000653 ,
	L0000654 , L0000655 , L0000656 , L0000657 , L0000658 , L0000659 , L0000660 , L0000661 ,
	L0000662 , L0000663 , L0000664 , L0000665 , L0000666 , L0000667 , L0000668 , L0000669 ,
	L0000670 , L0000671 , L0000672 , L0000673 , L0000674 , L0000675 , L0000676 , L0000677 ,
	L0000678 , L0000679 , L0000680 , L0000681 , L0000682 , L0000683 , L0000684 , L0000685 ,
	L0000686 , L0000687 , L0000688 , L0000689 , L0000690 , L0000691 , L0000692 , L0000693 ,
	L0000694 , L0000695 , L0000696 , L0000697 , L0000698 , L0000699 , L0000700 , L0000701 ,
	L0000702 , L0000703 , L0000704 , L0000705 , L0000706 , L0000707 , L0000708 , L0000709 ,
	L0000710 , L0000711 , L0000712 , L0000713 ,
IN_3	L0001651 , L0001652 , L0001653 , L0001654 , L0001655 , L0001656 , L0001657 , L0001658 ,
	L0001659 , L0001660 , L0001661 , L0001662 , L0001663 , L0001664 , L0001665 , L0001666 ,
	L0001667 , L0001668 , L0001669 , L0001670 , L0001671 , L0001672 , L0001673 , L0001674 ,
	L0001675 , L0001676 , L0001677 , L0001678 , L0001679 , L0001680 , L0001681 , L0001682 ,
	L0001683 , L0001684 , L0001685 , L0001686 , L0001687 , L0001688 , L0001689 , L0001690 ,
	L0001691 , L0001692 , L0001693 , L0001694 , L0001695 , L0001696 , L0001697 , L0001698 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0001699 , L0001700 , L0001701 , L0001702 , L0001703 , L0001704 , L0001705 , L0001706 ,
	L0001707 , L0001708 , L0001709 , L0001710 , L0001711 , L0001712 , L0001713 , L0001714 ,
	L0001715 , L0001716 , L0001717 , L0001718 , L0001719 , L0001720 , L0001721 , L0001722 ,
	L0001723 , L0001724 , L0001725 , L0001726 , L0001727 , L0001728 , L0001729 , L0001730 ,
	L0001731 , L0001732 , L0001733 , L0001734 , L0001735 , L0001736 , L0001737 , L0001738 ,
	L0001739 , L0001740 , L0001741 , L0001742 , L0001743 , L0001744 , L0001745 , L0001746 ,
	L0001747 , L0001748 , L0001749 , L0001750 , L0001751 , L0001752 , L0001753 , L0001754 ,
	L0001755 , L0001756 , L0001757 , L0001758 , L0001759 , L0001760 , L0001761 , L0001762 ,
	L0001763 , L0001764 , L0001765 , L0001766 , L0001767 , L0001768 , L0001769 , L0001770 ,
	L0001771 , L0001772 , L0001773 , L0001774 , L0001775 , L0001776 , L0001777 , L0001778 ,
	L0001779 , L0001780 , L0001781 , L0001782 , L0001783 , L0001784 , L0001785 , L0001786 ,
	L0001787 , L0001788 , L0001789 , L0001790 , L0001791 , L0001792 , L0001793 , L0001794 ,
	L0001795 , L0001796 , L0001797 , L0001798 , L0001799 , L0001800 , L0001801 , L0001802 ,
	L0001803 , L0001804 , L0001805 , L0001806 , L0001807 , L0001808 , L0001809 , L0001810 ,
	L0001811 ,
ONSI_C1	L0001040 , L0001041 , L0001042 , L0001043 , L0001044 , L0001045 , L0001046 , L0001047 ,
	L0001048 , L0001049 , L0001050 , L0001051 , L0001052 , L0001053 , L0001054 , L0001055 ,
	L0001056 , L0001057 ,
ONSI_C2	L0001058 , L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 , L0001065 ,
	L0001066 , L0001067 , L0001068 , L0001069 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ONSI_C3	L0001070 , L0001071 , L0001072 , L0001073 , L0001074 , L0001075 , L0001076 , L0001077 ,
	L0001078 , L0001079 , L0001080 , L0001081 , L0001082 ,
ONSI_C4	L0001083 , L0001084 , L0001085 , L0001086 , L0001087 , L0001088 , L0001089 , L0001090 ,
	L0001091 , L0001092 , L0001093 , L0001094 , L0001095 , L0001096 , L0001097 , L0001098 ,
ONSI_C5	L0001099 , L0001100 , L0001101 , L0001102 , L0001103 , L0001104 , L0001105 , L0001106 ,
ONSI_C6	L0000068 , L0000069 , L0000070 , L0000071 , L0000072 , L0000073 , L0000074 ,
OUT_1	L0000278 , L0000279 , L0000280 , L0000281 , L0000282 , L0000283 , L0000284 , L0000285 ,
	L0000286 , L0000287 , L0000288 , L0000289 , L0000290 , L0000291 , L0000292 , L0000293 ,
	L0000294 , L0000295 , L0000296 , L0000297 , L0000298 , L0000299 , L0000300 , L0000301 ,
	L0000302 , L0000303 , L0000304 , L0000305 , L0000306 , L0000307 , L0000308 , L0000309 ,
	L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 ,
	L0000318 , L0000319 , L0000320 , L0000321 , L0000322 , L0000323 , L0000324 , L0000325 ,
	L0000326 , L0000327 , L0000328 , L0000329 , L0000330 , L0000331 , L0000332 , L0000333 ,
	L0000334 , L0000335 , L0000336 , L0000337 , L0000338 , L0000339 , L0000340 , L0000341 ,
	L0000342 , L0000343 , L0000344 , L0000345 , L0000346 , L0000347 , L0000348 ,
OUT_2	L0000349 , L0000350 , L0000351 , L0000352 , L0000353 , L0000354 , L0000355 , L0000356 ,
	L0000357 , L0000358 , L0000359 , L0000360 , L0000361 , L0000362 , L0000363 ,
OUT_3	L0000364 , L0000365 , L0000366 , L0000367 , L0000368 , L0000369 , L0000370 , L0000371 ,
	L0000372 , L0000373 , L0000374 , L0000375 , L0000376 , L0000377 , L0000378 , L0000379 ,
	L0000380 , L0000381 , L0000382 , L0000383 , L0000384 , L0000385 , L0000386 , L0000387 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000388 , L0000389 , L0000390 , L0000391 , L0000392 , L0000393 , L0000394 , L0000395 ,
	L0000396 , L0000397 , L0000398 , L0000399 , L0000400 , L0000401 , L0000402 , L0000403 ,
	L0000404 , L0000405 , L0000406 , L0000407 , L0000408 , L0000409 , L0000410 , L0000411 ,
	L0000412 , L0000413 , L0000414 , L0000415 , L0000416 , L0000417 , L0000418 , L0000419 ,
	L0000420 , L0000421 , L0000422 , L0000423 , L0000424 , L0000425 , L0000426 , L0000427 ,
	L0000428 , L0000429 , L0000430 , L0000431 , L0000432 , L0000433 , L0000434 , L0000435 ,
	L0000436 , L0000437 , L0000438 , L0000439 , L0000440 , L0000441 , L0000442 , L0000443 ,
	L0000444 , L0000445 , L0000446 , L0000447 , L0000448 , L0000449 , L0000450 , L0000451 ,
	L0000452 , L0000453 , L0000454 , L0000455 , L0000456 , L0000457 , L0000458 , L0000459 ,
	L0000460 , L0000461 , L0000462 , L0000463 , L0000464 , L0000465 , L0000466 , L0000467 ,
	L0000468 , L0000469 , L0000470 ,
OUT_4	L0000471 , L0000472 , L0000473 , L0000474 , L0000475 , L0000476 , L0000477 , L0000478 ,
	L0000479 , L0000480 , L0000481 , L0000482 , L0000483 , L0000484 , L0000485 , L0000486 ,
	L0000487 , L0000488 , L0000489 , L0000490 , L0000491 , L0000492 , L0000493 , L0000494 ,
	L0000495 , L0000496 , L0000497 , L0000498 , L0000499 , L0000500 , L0000501 , L0000502 ,
	L0000503 , L0000504 , L0000505 , L0000506 , L0000507 , L0000508 , L0000509 , L0000510 ,
	L0000511 , L0000512 , L0000513 , L0000514 , L0000515 , L0000516 , L0000517 , L0000518 ,
	L0000519 , L0000520 , L0000521 , L0000522 , L0000523 , L0000524 , L0000525 , L0000526 ,
	L0000527 , L0000528 , L0000529 , L0000530 , L0000531 , L0000532 , L0000533 , L0000534 ,
	L0000535 , L0000536 , L0000537 , L0000538 , L0000539 , L0000540 , L0000541 , L0000542 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000543 , L0000544 , L0000545 , L0000546 , L0000547 , L0000548 , L0000549 , L0000550 ,
	L0000551 , L0000552 , L0000553 , L0000554 , L0000555 , L0000556 , L0000557 , L0000558 ,
	L0000559 , L0000560 , L0000561 , L0000562 , L0000563 , L0000564 , L0000565 , L0000566 ,
	L0000567 , L0000568 , L0000569 , L0000570 , L0000571 , L0000572 , L0000573 , L0000574 ,
	L0000575 , L0000576 , L0000577 , L0000578 , L0000579 , L0000580 , L0000581 , L0000582 ,
	L0000583 , L0000584 , L0000585 , L0000586 , L0000587 , L0000588 , L0000589 ,
OUT_5	L0001812 , L0001813 , L0001814 , L0001815 , L0001816 , L0001817 , L0001818 , L0001819 ,
	L0001820 , L0001821 , L0001822 , L0001823 , L0001824 , L0001825 , L0001826 , L0001827 ,
	L0001828 , L0001829 , L0001830 , L0001831 , L0001832 , L0001833 , L0001834 , L0001835 ,
	L0001836 , L0001837 , L0001838 , L0001839 , L0001840 , L0001841 , L0001842 , L0001843 ,
	L0001844 , L0001845 , L0001846 , L0001847 , L0001848 , L0001849 , L0001850 , L0001851 ,
	L0001852 , L0001853 , L0001854 , L0001855 , L0001856 , L0001857 , L0001858 , L0001859 ,
	L0001860 , L0001861 , L0001862 , L0001863 , L0001864 , L0001865 , L0001866 , L0001867 ,
	L0001868 , L0001869 , L0001870 , L0001871 , L0001872 , L0001873 , L0001874 , L0001875 ,
	L0001876 , L0001877 , L0001878 , L0001879 , L0001880 , L0001881 , L0001882 , L0001883 ,
	L0001884 , L0001885 , L0001886 , L0001887 , L0001888 , L0001889 , L0001890 , L0001891 ,
	L0001892 , L0001893 , L0001894 , L0001895 , L0001896 , L0001897 , L0001898 , L0001899 ,
	L0001900 , L0001901 , L0001902 , L0001903 , L0001904 , L0001905 , L0001906 , L0001907 ,
	L0001908 , L0001909 , L0001910 , L0001911 , L0001912 , L0001913 , L0001914 , L0001915 ,
	L0001916 , L0001917 , L0001918 , L0001919 , L0001920 , L0001921 , L0001922 , L0001923 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0001924 , L0001925 , L0001926 , L0001927 , L0001928 , L0001929 , L0001930 , L0001931 ,
	L0001932 , L0001933 , L0001934 , L0001935 , L0001936 , L0001937 , L0001938 , L0001939 ,
	L0001940 , L0001941 , L0001942 , L0001943 , L0001944 , L0001945 , L0001946 , L0001947 ,
	L0001948 , L0001949 , L0001950 , L0001951 , L0001952 , L0001953 , L0001954 , L0001955 ,
	L0001956 , L0001957 , L0001958 , L0001959 , L0001960 , L0001961 , L0001962 , L0001963 ,
	L0001964 , L0001965 , L0001966 , L0001967 , L0001968 , L0001969 , L0001970 , L0001971 ,
	L0001972 , L0001973 , L0001974 , L0001975 , L0001976 ,
STCK1	STCK1 ,
STCK10	STCK10 ,
STCK11	STCK11 ,
STCK12	STCK12 ,
STCK2	STCK2 ,
STCK3	STCK3 ,
STCK4	STCK4 ,
STCK5	STCK5 ,
STCK6	STCK6 ,
STCK7	STCK7 ,
STCK8	STCK8 ,
STCK9	STCK9 ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: STCK1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	117.6,	223.4,	0.7,	-23.1,	2	12.2,	149.2,	221.4,	4.0,	-3.3,
3	12.2,	176.1,	212.6,	7.3,	16.6,	4	12.2,	197.8,	197.4,	10.3,	36.0,
5	12.2,	213.4,	176.2,	13.0,	54.3,	6	12.2,	222.5,	149.7,	15.3,	70.9,
7	12.2,	224.9,	118.6,	17.1,	85.4,	8	12.2,	220.4,	83.9,	18.5,	97.3,
9	12.2,	218.6,	82.6,	0.9,	106.6,	10	12.2,	223.4,	117.6,	-35.7,	112.4,
11	12.2,	221.4,	149.2,	-71.3,	114.7,	12	0.0,	0.0,	0.0,	0.0,	0.0,
13	0.0,	0.0,	0.0,	0.0,	0.0,	14	0.0,	0.0,	0.0,	0.0,	0.0,
15	0.0,	0.0,	0.0,	0.0,	0.0,	16	0.0,	0.0,	0.0,	0.0,	0.0,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	12.2,	82.6,	218.6,	-215.9,	42.2,
19	12.2,	117.6,	223.4,	-224.1,	23.1,	20	12.2,	149.2,	221.4,	-225.4,	3.3,
21	12.2,	176.1,	212.6,	-219.9,	-16.6,	22	12.2,	197.8,	197.4,	-207.7,	-36.0,
23	12.2,	213.4,	176.2,	-189.2,	-54.3,	24	12.2,	222.5,	149.7,	-165.0,	-70.9,
25	12.2,	224.9,	118.6,	-135.8,	-85.4,	26	12.2,	220.4,	83.9,	-102.4,	-97.3,
27	12.2,	218.6,	82.6,	-83.5,	-106.6,	28	12.2,	223.4,	117.6,	-81.9,	-112.4,
29	12.2,	221.4,	149.2,	-77.9,	-114.7,	30	0.0,	0.0,	0.0,	0.0,	0.0,
31	0.0,	0.0,	0.0,	0.0,	0.0,	32	0.0,	0.0,	0.0,	0.0,	0.0,
33	0.0,	0.0,	0.0,	0.0,	0.0,	34	0.0,	0.0,	0.0,	0.0,	0.0,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	12.2,	82.6,	218.6,	-2.7,	-42.2,

SOURCE ID: STCK2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	117.6,	223.4,	-13.2,	-28.0,	2	12.2,	149.2,	221.4,	-8.8,	-10.6,
3	12.2,	176.1,	212.6,	-4.1,	7.2,	4	12.2,	197.8,	197.4,	0.8,	24.8,
5	12.2,	213.4,	176.2,	5.5,	41.6,	6	12.2,	222.5,	149.7,	10.2,	57.1,
7	12.2,	224.9,	118.6,	14.5,	70.9,	8	12.2,	220.4,	83.9,	18.4,	82.6,
9	12.2,	218.6,	82.6,	3.4,	92.1,	10	12.2,	223.4,	117.6,	-30.8,	98.5,
11	12.2,	221.4,	149.2,	-64.0,	101.9,	12	12.2,	212.6,	176.1,	-95.3,	102.2,
13	12.2,	197.4,	197.8,	-123.6,	99.5,	14	12.2,	176.2,	213.4,	-148.2,	93.7,
15	0.0,	0.0,	0.0,	0.0,	0.0,	16	0.0,	0.0,	0.0,	0.0,	0.0,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	12.2,	82.6,	218.6,	-201.4,	44.6,
19	12.2,	117.6,	223.4,	-210.2,	28.0,	20	12.2,	149.2,	221.4,	-212.6,	10.6,
21	12.2,	176.1,	212.6,	-208.6,	-7.2,	22	12.2,	197.8,	197.4,	-198.2,	-24.8,
23	12.2,	213.4,	176.2,	-181.8,	-41.6,	24	12.2,	222.5,	149.7,	-159.9,	-57.1,
25	12.2,	224.9,	118.6,	-133.1,	-70.9,	26	12.2,	220.4,	83.9,	-102.3,	-82.6,
27	12.2,	218.6,	82.6,	-85.9,	-92.1,	28	12.2,	223.4,	117.6,	-86.9,	-98.5,
29	12.2,	221.4,	149.2,	-85.2,	-101.9,	30	12.2,	212.6,	176.1,	-80.9,	-102.2,
31	12.2,	197.4,	197.8,	-74.1,	-99.5,	32	12.2,	176.2,	213.4,	-65.1,	-93.7,
33	0.0,	0.0,	0.0,	0.0,	0.0,	34	0.0,	0.0,	0.0,	0.0,	0.0,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	12.2,	82.6,	218.6,	-17.2,	-44.6,

SOURCE ID: STCK3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	117.6,	223.4,	-36.2,	-34.0,	2	12.2,	149.2,	221.4,	-30.4,	-20.4,
3	12.2,	176.1,	212.6,	-23.7,	-6.3,	4	12.2,	197.8,	197.4,	-16.2,	8.1,
5	12.2,	213.4,	176.2,	-8.3,	22.2,	6	12.2,	222.5,	149.7,	-0.1,	35.6,
7	12.2,	224.9,	118.6,	8.1,	48.0,	8	12.2,	220.4,	83.9,	16.1,	58.9,
9	12.2,	218.6,	82.6,	5.2,	68.4,	10	12.2,	223.4,	117.6,	-24.9,	75.5,
11	12.2,	221.4,	149.2,	-54.1,	80.3,	12	12.2,	212.6,	176.1,	-81.8,	82.6,
13	12.2,	197.4,	197.8,	-107.0,	82.5,	14	12.2,	176.2,	213.4,	-128.9,	79.8,
15	12.2,	149.7,	222.5,	-146.9,	74.8,	16	0.0,	0.0,	0.0,	0.0,	0.0,

17	0.0,	0.0,	0.0,	0.0,	0.0,	18	12.2,	82.6,	218.6,	-177.7,	46.5,
19	12.2,	117.6,	223.4,	-187.2,	34.0,	20	12.2,	149.2,	221.4,	-191.0,	20.4,
21	12.2,	176.1,	212.6,	-189.0,	6.3,	22	12.2,	197.8,	197.4,	-181.2,	-8.1,
23	12.2,	213.4,	176.2,	-168.0,	-22.2,	24	12.2,	222.5,	149.7,	-149.6,	-35.6,
25	12.2,	224.9,	118.6,	-126.7,	-48.0,	26	12.2,	220.4,	83.9,	-100.0,	-58.9,
27	12.2,	218.6,	82.6,	-87.8,	-68.4,	28	12.2,	223.4,	117.6,	-92.8,	-75.5,
29	12.2,	221.4,	149.2,	-95.0,	-80.3,	30	12.2,	212.6,	176.1,	-94.3,	-82.6,
31	12.2,	197.4,	197.8,	-90.8,	-82.5,	32	12.2,	176.2,	213.4,	-84.5,	-79.8,
33	12.2,	149.7,	222.5,	-75.6,	-74.8,	34	0.0,	0.0,	0.0,	0.0,	0.0,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	12.2,	82.6,	218.6,	-40.9,	-46.5,

SOURCE ID: STCK4

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	117.6,	223.4,	-49.3,	-37.3,	2	12.2,	149.2,	221.4,	-42.8,	-26.0,
3	12.2,	176.1,	212.6,	-34.9,	-13.9,	4	12.2,	197.8,	197.4,	-25.9,	-1.4,
5	12.2,	213.4,	176.2,	-16.2,	11.2,	6	12.2,	222.5,	149.7,	-6.0,	23.4,
7	12.2,	224.9,	118.6,	4.4,	35.0,	8	12.2,	220.4,	83.9,	14.7,	45.4,
9	12.2,	218.6,	82.6,	6.2,	54.9,	10	12.2,	223.4,	117.6,	-21.5,	62.3,
11	12.2,	221.4,	149.2,	-48.6,	67.9,	12	12.2,	212.6,	176.1,	-74.2,	71.5,
13	12.2,	197.4,	197.8,	-97.5,	72.8,	14	12.2,	176.2,	213.4,	-117.9,	71.9,
15	12.2,	149.7,	222.5,	-134.7,	68.9,	16	12.2,	118.6,	224.9,	-147.4,	63.8,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	117.6,	223.4,	-174.0,	37.3,	20	12.2,	149.2,	221.4,	-178.6,	26.0,
21	12.2,	176.1,	212.6,	-177.8,	13.9,	22	12.2,	197.8,	197.4,	-171.5,	1.4,
23	12.2,	213.4,	176.2,	-160.1,	-11.2,	24	12.2,	222.5,	149.7,	-143.7,	-23.4,
25	12.2,	224.9,	118.6,	-123.0,	-35.0,	26	12.2,	220.4,	83.9,	-98.6,	-45.4,
27	12.2,	218.6,	82.6,	-88.8,	-54.9,	28	12.2,	223.4,	117.6,	-96.1,	-62.3,
29	12.2,	221.4,	149.2,	-100.6,	-67.9,	30	12.2,	212.6,	176.1,	-102.0,	-71.5,
31	12.2,	197.4,	197.8,	-100.2,	-72.8,	32	12.2,	176.2,	213.4,	-95.5,	-71.9,
33	12.2,	149.7,	222.5,	-87.8,	-68.9,	34	12.2,	118.6,	224.9,	-77.5,	-63.8,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: STCK5

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	117.6,	223.4,	-70.3,	-44.5,	2	12.2,	149.2,	221.4,	-62.1,	-36.8,
3	12.2,	176.1,	212.6,	-52.1,	-27.9,	4	12.2,	197.8,	197.4,	-40.4,	-18.1,
5	12.2,	213.4,	176.2,	-27.6,	-7.8,	6	12.2,	222.5,	149.7,	-13.9,	2.8,
7	12.2,	224.9,	118.6,	0.2,	13.2,	8	12.2,	220.4,	83.9,	14.3,	23.3,
9	12.2,	218.6,	82.6,	9.7,	33.0,	10	12.2,	223.4,	117.6,	-14.3,	41.4,
11	12.2,	221.4,	149.2,	-37.8,	48.6,	12	12.2,	212.6,	176.1,	-60.2,	54.2,
13	12.2,	197.4,	197.8,	-80.8,	58.3,	14	12.2,	176.2,	213.4,	-98.9,	60.5,
15	12.2,	149.7,	222.5,	-114.0,	61.0,	16	12.2,	118.6,	224.9,	-125.6,	59.5,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	117.6,	223.4,	-153.1,	44.5,	20	12.2,	149.2,	221.4,	-159.2,	36.8,
21	12.2,	176.1,	212.6,	-160.6,	27.9,	22	12.2,	197.8,	197.4,	-157.0,	18.1,
23	12.2,	213.4,	176.2,	-148.7,	7.8,	24	12.2,	222.5,	149.7,	-135.8,	-2.8,
25	12.2,	224.9,	118.6,	-118.8,	-13.2,	26	12.2,	220.4,	83.9,	-98.2,	-23.3,
27	12.2,	218.6,	82.6,	-92.3,	-33.0,	28	12.2,	223.4,	117.6,	-103.4,	-41.4,
29	12.2,	221.4,	149.2,	-111.3,	-48.6,	30	12.2,	212.6,	176.1,	-115.9,	-54.2,
31	12.2,	197.4,	197.8,	-117.0,	-58.3,	32	12.2,	176.2,	213.4,	-114.5,	-60.5,
33	12.2,	149.7,	222.5,	-108.5,	-61.0,	34	12.2,	118.6,	224.9,	-99.2,	-59.5,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: STCK6

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	117.6,	223.4,	-85.2,	-48.0,	2	12.2,	149.2,	221.4,	-76.3,	-42.8,
3	12.2,	176.1,	212.6,	-65.0,	-36.2,	4	12.2,	197.8,	197.4,	-51.7,	-28.6,
5	12.2,	213.4,	176.2,	-36.8,	-20.1,	6	12.2,	222.5,	149.7,	-20.9,	-10.9,
7	12.2,	224.9,	118.6,	-4.2,	-1.5,	8	12.2,	220.4,	83.9,	12.5,	8.0,
9	12.2,	218.6,	82.6,	10.5,	17.7,	10	12.2,	223.4,	117.6,	-10.8,	26.4,
11	12.2,	221.4,	149.2,	-31.8,	34.4,	12	12.2,	212.6,	176.1,	-51.8,	41.4,
13	12.2,	197.4,	197.8,	-70.3,	47.0,	14	12.2,	176.2,	213.4,	-86.6,	51.3,
15	12.2,	149.7,	222.5,	-100.3,	54.0,	16	12.2,	118.6,	224.9,	-111.0,	55.1,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	117.6,	223.4,	-138.1,	48.0,	20	12.2,	149.2,	221.4,	-145.1,	42.8,
21	12.2,	176.1,	212.6,	-147.7,	36.2,	22	12.2,	197.8,	197.4,	-145.8,	28.6,
23	12.2,	213.4,	176.2,	-139.4,	20.1,	24	12.2,	222.5,	149.7,	-128.9,	10.9,
25	12.2,	224.9,	118.6,	-114.4,	1.5,	26	12.2,	220.4,	83.9,	-96.4,	-8.0,
27	12.2,	218.6,	82.6,	-93.1,	-17.7,	28	12.2,	223.4,	117.6,	-106.8,	-26.4,
29	12.2,	221.4,	149.2,	-117.3,	-34.4,	30	12.2,	212.6,	176.1,	-124.3,	-41.4,
31	12.2,	197.4,	197.8,	-127.5,	-47.0,	32	12.2,	176.2,	213.4,	-126.7,	-51.3,
33	12.2,	149.7,	222.5,	-122.2,	-54.0,	34	12.2,	118.6,	224.9,	-113.9,	-55.1,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: STCK7

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	117.6,	223.4,	-103.1,	-52.8,	2	12.2,	149.2,	221.4,	-93.0,	-50.6,
3	12.2,	176.1,	212.6,	-80.1,	-46.8,	4	12.2,	197.8,	197.4,	-64.7,	-41.6,
5	12.2,	213.4,	176.2,	-47.4,	-35.2,	6	12.2,	222.5,	149.7,	-28.6,	-27.7,
7	12.2,	224.9,	118.6,	-9.0,	-19.3,	8	12.2,	220.4,	83.9,	10.9,	-10.4,
9	12.2,	218.6,	82.6,	12.2,	-0.8,	10	12.2,	223.4,	117.6,	-6.0,	8.6,
11	12.2,	221.4,	149.2,	-24.0,	17.7,	12	12.2,	212.6,	176.1,	-41.2,	26.2,
13	12.2,	197.4,	197.8,	-57.2,	34.0,	14	12.2,	176.2,	213.4,	-71.5,	40.7,
15	12.2,	149.7,	222.5,	-83.6,	46.2,	16	12.2,	118.6,	224.9,	-93.1,	50.3,

17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	117.6,	223.4,	-120.3,	52.8,	20	12.2,	149.2,	221.4,	-128.4,	50.6,
21	12.2,	176.1,	212.6,	-132.6,	46.8,	22	12.2,	197.8,	197.4,	-132.7,	41.6,
23	12.2,	213.4,	176.2,	-128.9,	35.2,	24	12.2,	222.5,	149.7,	-121.1,	27.7,
25	12.2,	224.9,	118.6,	-109.6,	19.3,	26	12.2,	220.4,	83.9,	-94.8,	10.4,
27	12.2,	218.6,	82.6,	-94.7,	0.8,	28	12.2,	223.4,	117.6,	-111.6,	-8.6,
29	12.2,	221.4,	149.2,	-125.2,	-17.7,	30	12.2,	212.6,	176.1,	-134.9,	-26.2,
31	12.2,	197.4,	197.8,	-140.5,	-34.0,	32	12.2,	176.2,	213.4,	-141.9,	-40.7,
33	12.2,	149.7,	222.5,	-138.9,	-46.2,	34	12.2,	118.6,	224.9,	-131.8,	-50.3,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: STCK8

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	117.6,	223.4,	-120.6,	-56.9,	2	12.2,	149.2,	221.4,	-109.6,	-57.7,
3	12.2,	176.1,	212.6,	-95.1,	-56.7,	4	12.2,	197.8,	197.4,	-77.8,	-54.0,
5	12.2,	213.4,	176.2,	-58.2,	-49.6,	6	12.2,	222.5,	149.7,	-36.8,	-43.8,
7	12.2,	224.9,	118.6,	-14.2,	-36.6,	8	12.2,	220.4,	83.9,	8.8,	-28.3,
9	12.2,	218.6,	82.6,	13.2,	-18.8,	10	12.2,	223.4,	117.6,	-1.9,	-9.0,
11	12.2,	221.4,	149.2,	-16.9,	1.1,	12	12.2,	212.6,	176.1,	-31.3,	11.2,
13	12.2,	197.4,	197.8,	-44.9,	20.9,	14	12.2,	176.2,	213.4,	-57.0,	29.9,
15	12.2,	149.7,	222.5,	-67.5,	38.1,	16	12.2,	118.6,	224.9,	-75.8,	45.1,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	117.6,	223.4,	-102.7,	56.9,	20	12.2,	149.2,	221.4,	-111.8,	57.7,
21	12.2,	176.1,	212.6,	-117.5,	56.7,	22	12.2,	197.8,	197.4,	-119.6,	54.0,
23	12.2,	213.4,	176.2,	-118.1,	49.6,	24	12.2,	222.5,	149.7,	-113.0,	43.8,
25	12.2,	224.9,	118.6,	-104.4,	36.6,	26	12.2,	220.4,	83.9,	-92.7,	28.3,
27	12.2,	218.6,	82.6,	-95.7,	18.8,	28	12.2,	223.4,	117.6,	-115.8,	9.0,
29	12.2,	221.4,	149.2,	-132.3,	-1.1,	30	12.2,	212.6,	176.1,	-144.8,	-11.2,
31	12.2,	197.4,	197.8,	-152.9,	-20.9,	32	12.2,	176.2,	213.4,	-156.3,	-29.9,
33	12.2,	149.7,	222.5,	-155.0,	-38.1,	34	12.2,	118.6,	224.9,	-149.0,	-45.1,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: STCK9

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	117.6,	223.4,	-140.5,	-62.1,	2	12.2,	149.2,	221.4,	-128.2,	-66.2,
3	12.2,	176.1,	212.6,	-112.0,	-68.4,	4	12.2,	197.8,	197.4,	-92.5,	-68.4,
5	12.2,	213.4,	176.2,	-70.1,	-66.4,	6	12.2,	222.5,	149.7,	-45.6,	-62.3,
7	12.2,	224.9,	118.6,	-19.7,	-56.4,	8	12.2,	220.4,	83.9,	6.8,	-48.7,
9	12.2,	218.6,	82.6,	14.8,	-39.2,	10	12.2,	223.4,	117.6,	3.3,	-28.8,
11	12.2,	221.4,	149.2,	-8.3,	-17.5,	12	12.2,	212.6,	176.1,	-19.7,	-5.7,
13	12.2,	197.4,	197.8,	-30.5,	6.3,	14	12.2,	176.2,	213.4,	-40.3,	18.1,
15	12.2,	149.7,	222.5,	-48.9,	29.3,	16	12.2,	118.6,	224.9,	-56.1,	39.6,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	117.6,	223.4,	-82.9,	62.1,	20	12.2,	149.2,	221.4,	-93.1,	66.2,
21	12.2,	176.1,	212.6,	-100.6,	68.4,	22	12.2,	197.8,	197.4,	-105.0,	68.4,
23	12.2,	213.4,	176.2,	-106.2,	66.4,	24	12.2,	222.5,	149.7,	-104.1,	62.3,
25	12.2,	224.9,	118.6,	-99.0,	56.4,	26	12.2,	220.4,	83.9,	-90.8,	48.7,
27	12.2,	218.6,	82.6,	-97.4,	39.2,	28	12.2,	223.4,	117.6,	-120.9,	28.8,
29	12.2,	221.4,	149.2,	-140.8,	17.5,	30	12.2,	212.6,	176.1,	-156.4,	5.7,
31	12.2,	197.4,	197.8,	-167.3,	-6.3,	32	12.2,	176.2,	213.4,	-173.1,	-18.1,
33	12.2,	149.7,	222.5,	-173.6,	-29.3,	34	12.2,	118.6,	224.9,	-168.8,	-39.6,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: STCK10

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	0.0,	0.0,	0.0,	0.0,	0.0,	2	12.2,	149.2,	221.4,	-142.5,	-73.0,
3	12.2,	176.1,	212.6,	-125.0,	-77.5,	4	12.2,	197.8,	197.4,	-103.6,	-79.6,
5	12.2,	213.4,	176.2,	-79.1,	-79.3,	6	12.2,	222.5,	149.7,	-52.2,	-76.7,
7	12.2,	224.9,	118.6,	-23.7,	-71.7,	8	12.2,	220.4,	83.9,	5.5,	-64.5,
9	12.2,	218.6,	82.6,	16.2,	-54.9,	10	12.2,	223.4,	117.6,	7.4,	-44.1,
11	12.2,	221.4,	149.2,	-1.6,	-31.8,	12	12.2,	212.6,	176.1,	-10.6,	-18.7,
13	12.2,	197.4,	197.8,	-19.2,	-4.9,	14	12.2,	176.2,	213.4,	-27.3,	9.0,
15	12.2,	149.7,	222.5,	-34.6,	22.7,	16	12.2,	118.6,	224.9,	-40.8,	35.6,
17	12.2,	83.9,	220.4,	-45.7,	47.5,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	0.0,	0.0,	0.0,	0.0,	0.0,	20	12.2,	149.2,	221.4,	-78.8,	73.0,
21	12.2,	176.1,	212.6,	-87.7,	77.5,	22	12.2,	197.8,	197.4,	-93.8,	79.6,
23	12.2,	213.4,	176.2,	-97.1,	79.3,	24	12.2,	222.5,	149.7,	-97.5,	76.7,
25	12.2,	224.9,	118.6,	-94.9,	71.7,	26	12.2,	220.4,	83.9,	-89.4,	64.5,
27	12.2,	218.6,	82.6,	-98.8,	54.9,	28	12.2,	223.4,	117.6,	-125.1,	44.1,
29	12.2,	221.4,	149.2,	-147.6,	31.8,	30	12.2,	212.6,	176.1,	-165.5,	18.7,
31	12.2,	197.4,	197.8,	-178.5,	4.9,	32	12.2,	176.2,	213.4,	-186.0,	-9.0,
33	12.2,	149.7,	222.5,	-187.9,	-22.7,	34	12.2,	118.6,	224.9,	-184.1,	-35.6,
35	12.2,	83.9,	220.4,	-174.7,	-47.5,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: STCK11

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	0.0,	0.0,	0.0,	0.0,	0.0,	2	12.2,	149.2,	221.4,	-159.3,	-80.6,
3	12.2,	176.1,	212.6,	-140.2,	-87.9,	4	12.2,	197.8,	197.4,	-116.8,	-92.5,
5	12.2,	213.4,	176.2,	-89.8,	-94.4,	6	12.2,	222.5,	149.7,	-60.2,	-93.3,
7	12.2,	224.9,	118.6,	-28.7,	-89.4,	8	12.2,	220.4,	83.9,	3.7,	-82.8,
9	12.2,	218.6,	82.6,	17.7,	-73.3,	10	12.2,	223.4,	117.6,	12.0,	-61.9,
11	12.2,	221.4,	149.2,	6.0,	-48.6,	12	12.2,	212.6,	176.1,	-0.1,	-33.9,
13	12.2,	197.4,	197.8,	-6.3,	-18.1,	14	12.2,	176.2,	213.4,	-12.3,	-1.7,
15	12.2,	149.7,	222.5,	-17.9,	14.7,	16	12.2,	118.6,	224.9,	-23.0,	30.7,

17	12.2,	83.9,	220.4,	-27.4,	45.7,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	0.0,	0.0,	0.0,	0.0,	0.0,	20	12.2,	149.2,	221.4,	-62.0,	80.6,
21	12.2,	176.1,	212.6,	-72.5,	87.9,	22	12.2,	197.8,	197.4,	-80.7,	92.5,
23	12.2,	213.4,	176.2,	-86.4,	94.4,	24	12.2,	222.5,	149.7,	-89.5,	93.3,
25	12.2,	224.9,	118.6,	-90.0,	89.4,	26	12.2,	220.4,	83.9,	-87.6,	82.8,
27	12.2,	218.6,	82.6,	-100.2,	73.3,	28	12.2,	223.4,	117.6,	-129.7,	61.9,
29	12.2,	221.4,	149.2,	-155.2,	48.6,	30	12.2,	212.6,	176.1,	-176.0,	33.9,
31	12.2,	197.4,	197.8,	-191.4,	18.1,	32	12.2,	176.2,	213.4,	-201.1,	1.7,
33	12.2,	149.7,	222.5,	-204.6,	-14.7,	34	12.2,	118.6,	224.9,	-201.9,	-30.7,
35	12.2,	83.9,	220.4,	-193.0,	-45.7,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: STCK12

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	0.0,	0.0,	0.0,	0.0,	0.0,	2	0.0,	0.0,	0.0,	0.0,	0.0,
3	0.0,	0.0,	0.0,	0.0,	0.0,	4	12.2,	197.8,	197.4,	-127.5,	-103.4,
5	12.2,	213.4,	176.2,	-98.5,	-106.9,	6	12.2,	222.5,	149.7,	-66.5,	-107.1,
7	12.2,	224.9,	118.6,	-32.5,	-104.1,	8	12.2,	220.4,	83.9,	2.5,	-98.0,
9	12.2,	218.6,	82.6,	19.1,	-88.5,	10	12.2,	223.4,	117.6,	16.1,	-76.6,
11	12.2,	221.4,	149.2,	12.6,	-62.4,	12	12.2,	212.6,	176.1,	8.7,	-46.2,
13	12.2,	197.4,	197.8,	4.5,	-28.7,	14	12.2,	176.2,	213.4,	0.2,	-10.3,
15	12.2,	149.7,	222.5,	-4.1,	8.4,	16	12.2,	118.6,	224.9,	-8.3,	26.8,
17	12.2,	83.9,	220.4,	-12.2,	44.5,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	0.0,	0.0,	0.0,	0.0,	0.0,	20	0.0,	0.0,	0.0,	0.0,	0.0,
21	0.0,	0.0,	0.0,	0.0,	0.0,	22	12.2,	197.8,	197.4,	-70.0,	103.4,
23	12.2,	213.4,	176.2,	-77.8,	106.9,	24	12.2,	222.5,	149.7,	-83.2,	107.1,
25	12.2,	224.9,	118.6,	-86.1,	104.1,	26	12.2,	220.4,	83.9,	-86.4,	98.0,
27	12.2,	218.6,	82.6,	-101.7,	88.5,	28	12.2,	223.4,	117.6,	-133.7,	76.6,
29	12.2,	221.4,	149.2,	-161.7,	62.4,	30	12.2,	212.6,	176.1,	-184.8,	46.2,
31	12.2,	197.4,	197.8,	-202.2,	28.7,	32	12.2,	176.2,	213.4,	-213.6,	10.3,
33	12.2,	149.7,	222.5,	-218.4,	-8.4,	34	12.2,	118.6,	224.9,	-216.6,	-26.8,
35	12.2,	83.9,	220.4,	-208.2,	-44.5,	36	0.0,	0.0,	0.0,	0.0,	0.0,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

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1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
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NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\NAPA_COLLEGE_2013-2017.SFC Met Version: 18081
Profile file: ..\NAPA_COLLEGE_2013-2017.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 93227 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2013 Year: 2013

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
13	01	01	1	01	-13.3	0.192	-9.000	-9.000	-999.	201.	48.2	0.19	1.95	1.00	2.40	32.	10.0	275.1	6.4
13	01	01	1	02	-5.8	0.091	-9.000	-9.000	-999.	71.	11.7	0.19	1.95	1.00	1.80	14.	10.0	275.1	6.4
13	01	01	1	03	-11.1	0.189	-9.000	-9.000	-999.	197.	55.8	0.19	1.95	1.00	2.30	22.	10.0	275.4	6.4
13	01	01	1	04	-7.5	0.129	-9.000	-9.000	-999.	112.	26.0	0.19	1.95	1.00	1.90	17.	10.0	275.9	6.4
13	01	01	1	05	-6.1	0.104	-9.000	-9.000	-999.	81.	17.1	0.19	1.95	1.00	1.80	26.	10.0	276.6	6.4
13	01	01	1	06	-11.3	0.163	-9.000	-9.000	-999.	158.	35.1	0.19	1.95	1.00	2.20	13.	10.0	276.8	6.4
13	01	01	1	07	-11.3	0.111	-9.000	-9.000	-999.	89.	11.0	0.19	1.95	1.00	2.20	10.	10.0	276.4	6.4
13	01	01	1	08	-13.4	0.121	-9.000	-9.000	-999.	101.	12.0	0.19	1.95	1.00	2.40	30.	10.0	276.8	6.4
13	01	01	1	09	4.5	0.201	0.175	0.005	43.	216.	-164.1	0.19	1.95	0.41	1.90	29.	10.0	277.9	6.4
13	01	01	1	10	62.4	0.237	0.651	0.005	161.	277.	-19.5	0.19	1.95	0.28	1.90	10.	10.0	280.9	6.4
13	01	01	1	11	108.5	0.405	1.152	0.007	516.	619.	-55.9	0.19	1.95	0.23	3.60	356.	10.0	282.6	6.4
13	01	01	1	12	133.0	0.465	1.478	0.008	887.	761.	-69.2	0.19	1.95	0.22	4.20	13.	10.0	284.4	6.4
13	01	01	1	13	143.5	0.467	1.541	0.007	932.	767.	-64.9	0.19	1.95	0.22	4.20	37.	10.0	285.9	6.4
13	01	01	1	14	125.9	0.455	1.496	0.006	969.	737.	-68.1	0.19	1.95	0.23	4.10	27.	10.0	286.9	6.4
13	01	01	1	15	82.7	0.399	1.311	0.005	993.	607.	-69.8	0.19	1.95	0.26	3.60	21.	10.0	287.4	6.4
13	01	01	1	16	22.8	0.330	0.855	0.005	1000.	458.	-143.5	0.19	1.95	0.34	3.10	27.	10.0	287.6	6.4
13	01	01	1	17	-6.9	0.091	-9.000	-9.000	-999.	160.	9.9	0.19	1.95	0.58	1.80	78.	10.0	286.5	6.4
13	01	01	1	18	-5.9	0.081	-9.000	-9.000	-999.	58.	8.1	0.19	1.95	1.00	1.60	33.	10.0	283.0	6.4
13	01	01	1	19	-1.6	0.041	-9.000	-9.000	-999.	20.	3.9	0.12	1.95	1.00	0.90	141.	10.0	279.9	6.4
13	01	01	1	20	-2.4	0.050	-9.000	-9.000	-999.	27.	4.7	0.12	1.95	1.00	1.10	151.	10.0	278.1	6.4
13	01	01	1	21	-1.6	0.041	-9.000	-9.000	-999.	20.	3.9	0.12	1.95	1.00	0.90	122.	10.0	276.5	6.4
13	01	01	1	22	-3.9	0.066	-9.000	-9.000	-999.	40.	6.5	0.19	1.95	1.00	1.30	24.	10.0	275.5	6.4
13	01	01	1	23	-4.6	0.071	-9.000	-9.000	-999.	45.	7.0	0.19	1.95	1.00	1.40	23.	10.0	275.0	6.4
13	01	01	1	24	-4.6	0.071	-9.000	-9.000	-999.	45.	7.0	0.19	1.95	1.00	1.40	22.	10.0	274.2	6.4

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
13	01	01	01	6.4	0	-999.	-99.00	275.2	999.0	-99.00	-99.00
13	01	01	01	10.0	1	32.	2.40	-999.0	12.5	-99.00	0.51

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				OF TYPE	NETWORK GRID-ID
IN_1	1ST HIGHEST VALUE IS	353.47673 AT	(563651.72,	4234676.21,	7.00,	7.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	347.00793 AT	(563411.61,	4234660.61,	2.00,	2.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	320.40863 AT	(563391.61,	4234660.86,	2.00,	2.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	318.22057 AT	(563531.72,	4234670.57,	3.66,	3.66, 0.00)	DC	
	5TH HIGHEST VALUE IS	314.00054 AT	(563611.72,	4234676.21,	6.27,	6.27, 0.00)	DC	
	6TH HIGHEST VALUE IS	304.24169 AT	(563511.72,	4234670.57,	3.14,	3.14, 0.00)	DC	
	7TH HIGHEST VALUE IS	297.75400 AT	(563139.73,	4234606.87,	3.00,	3.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	297.02105 AT	(563371.61,	4234661.10,	2.00,	2.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	295.77650 AT	(563691.72,	4234681.86,	7.93,	7.93, 0.00)	DC	
	10TH HIGHEST VALUE IS	293.12371 AT	(563491.72,	4234670.57,	3.04,	3.04, 0.00)	DC	
IN_2	1ST HIGHEST VALUE IS	294.81886 AT	(563757.52,	4234318.02,	12.44,	100.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	288.84778 AT	(563761.18,	4234228.30,	11.90,	100.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	254.42439 AT	(563761.71,	4234328.30,	13.00,	100.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	241.38024 AT	(563765.33,	4234238.50,	12.52,	100.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	230.25273 AT	(563782.64,	4234478.41,	10.19,	104.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	219.95349 AT	(563765.89,	4234338.58,	13.60,	55.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	210.99262 AT	(563786.81,	4234488.66,	10.02,	104.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	206.53769 AT	(563769.49,	4234248.70,	13.10,	100.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	196.13698 AT	(563770.08,	4234348.86,	13.96,	55.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	194.67290 AT	(563790.98,	4234498.90,	9.82,	104.00, 0.00)	DC	
IN_3	1ST HIGHEST VALUE IS	419.42099 AT	(563763.77,	4235385.36,	8.27,	162.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	368.93288 AT	(563760.84,	4235314.79,	6.15,	162.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	362.76206 AT	(563748.58,	4234835.08,	9.00,	9.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	350.03193 AT	(563756.27,	4235398.40,	8.46,	162.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	344.41067 AT	(563746.23,	4234820.27,	9.00,	9.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	341.70686 AT	(563756.54,	4235095.31,	10.00,	10.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	324.63384 AT	(563757.81,	4235168.75,	8.35,	8.35, 0.00)	DC	
	8TH HIGHEST VALUE IS	322.94545 AT	(563743.87,	4234805.46,	8.88,	8.88, 0.00)	DC	
	9TH HIGHEST VALUE IS	296.38527 AT	(563741.52,	4234790.65,	8.66,	8.66, 0.00)	DC	
	10TH HIGHEST VALUE IS	275.86883 AT	(563748.77,	4235411.45,	8.82,	162.00, 0.00)	DC	
ONSI_C1	1ST HIGHEST VALUE IS	546.17627 AT	(563249.03,	4234812.07,	4.98,	4.98, 0.00)	DC	
	2ND HIGHEST VALUE IS	497.13365 AT	(563258.07,	4234844.70,	5.00,	5.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	482.01659 AT	(563249.21,	4234802.51,	4.92,	4.92, 0.00)	DC	
	4TH HIGHEST VALUE IS	478.78453 AT	(563257.70,	4234861.16,	5.00,	5.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	477.20454 AT	(563258.55,	4234828.63,	5.00,	5.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	456.08810 AT	(563257.42,	4234870.19,	5.00,	5.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	423.18344 AT	(563259.03,	4234812.36,	4.93,	4.93, 0.00)	DC	
	8TH HIGHEST VALUE IS	418.17468 AT	(563249.38,	4234793.17,	4.85,	4.85, 0.00)	DC	
	9TH HIGHEST VALUE IS	417.69692 AT	(563183.71,	4234932.41,	5.00,	5.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	414.29761 AT	(563258.09,	4234879.94,	5.00,	5.00, 0.00)	DC	

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				OF TYPE	NETWORK GRID-ID
ONSI_C2	1ST HIGHEST VALUE IS	773.94114	563249.55,	4234783.83,	4.74,	4.74, 0.00)	DC	
	2ND HIGHEST VALUE IS	773.69937	563249.38,	4234793.17,	4.85,	4.85, 0.00)	DC	
	3RD HIGHEST VALUE IS	741.89410	563249.21,	4234802.51,	4.92,	4.92, 0.00)	DC	
	4TH HIGHEST VALUE IS	738.94782	563249.72,	4234774.49,	4.49,	4.49, 0.00)	DC	
	5TH HIGHEST VALUE IS	682.86910	563249.03,	4234812.07,	4.98,	4.98, 0.00)	DC	
	6TH HIGHEST VALUE IS	669.40542	563249.89,	4234765.15,	4.24,	4.24, 0.00)	DC	
	7TH HIGHEST VALUE IS	580.54031	563250.06,	4234755.81,	4.00,	4.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	563.15430	563259.38,	4234793.35,	4.60,	4.60, 0.00)	DC	
	9TH HIGHEST VALUE IS	561.13322	563259.55,	4234784.01,	4.44,	4.44, 0.00)	DC	
	10TH HIGHEST VALUE IS	546.58729	563259.21,	4234802.69,	4.77,	4.77, 0.00)	DC	
ONSI_C3	1ST HIGHEST VALUE IS	815.72295	563250.23,	4234746.47,	4.00,	4.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	806.36830	563250.40,	4234737.13,	4.00,	4.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	789.45592	563250.06,	4234755.81,	4.00,	4.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	759.59943	563250.57,	4234727.79,	4.00,	4.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	741.28168	563249.89,	4234765.15,	4.24,	4.24, 0.00)	DC	
	6TH HIGHEST VALUE IS	667.97090	563249.72,	4234774.49,	4.49,	4.49, 0.00)	DC	
	7TH HIGHEST VALUE IS	625.12386	563251.13,	4234712.87,	4.00,	4.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	586.43556	563260.23,	4234746.65,	4.00,	4.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	583.56838	563249.55,	4234783.83,	4.74,	4.74, 0.00)	DC	
	10TH HIGHEST VALUE IS	580.42652	563260.40,	4234737.31,	4.00,	4.00, 0.00)	DC	
ONSI_C4	1ST HIGHEST VALUE IS	890.74362	563251.71,	4234697.55,	4.00,	4.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	882.09772	563251.72,	4234681.86,	3.87,	3.87, 0.00)	DC	
	3RD HIGHEST VALUE IS	815.59961	563251.13,	4234712.87,	4.00,	4.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	680.37612	563250.57,	4234727.79,	4.00,	4.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	633.97917	563261.70,	4234697.93,	4.00,	4.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	625.02918	563261.72,	4234681.86,	3.71,	3.71, 0.00)	DC	
	7TH HIGHEST VALUE IS	596.03820	563261.12,	4234713.24,	4.00,	4.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	585.92894	563250.40,	4234737.13,	4.00,	4.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	577.62123	563261.72,	4234670.57,	3.49,	3.49, 0.00)	DC	
	10TH HIGHEST VALUE IS	522.33272	563260.57,	4234727.98,	4.00,	4.00, 0.00)	DC	
ONSI_C5	1ST HIGHEST VALUE IS	1711.96463	563249.03,	4234812.07,	4.98,	4.98, 0.00)	DC	
	2ND HIGHEST VALUE IS	1612.22811	563249.21,	4234802.51,	4.92,	4.92, 0.00)	DC	
	3RD HIGHEST VALUE IS	1312.28051	563249.38,	4234793.17,	4.85,	4.85, 0.00)	DC	
	4TH HIGHEST VALUE IS	1012.72627	563259.03,	4234812.36,	4.93,	4.93, 0.00)	DC	
	5TH HIGHEST VALUE IS	999.03913	563249.55,	4234783.83,	4.74,	4.74, 0.00)	DC	
	6TH HIGHEST VALUE IS	975.63762	563259.21,	4234802.69,	4.77,	4.77, 0.00)	DC	
	7TH HIGHEST VALUE IS	891.58749	563258.55,	4234828.63,	5.00,	5.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	868.21317	563259.38,	4234793.35,	4.60,	4.60, 0.00)	DC	
	9TH HIGHEST VALUE IS	756.32269	563249.72,	4234774.49,	4.49,	4.49, 0.00)	DC	
	10TH HIGHEST VALUE IS	725.35271	563259.55,	4234784.01,	4.44,	4.44, 0.00)	DC	

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				OF TYPE	NETWORK GRID-ID
ONSI_C6	1ST HIGHEST VALUE IS	1897.09503	563250.57,	4234727.79,	4.00,	4.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	1778.86721	563251.13,	4234712.87,	4.00,	4.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	1582.47669	563250.40,	4234737.13,	4.00,	4.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	1235.38744	563250.23,	4234746.47,	4.00,	4.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	1147.66247	563251.71,	4234697.55,	4.00,	4.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	1108.44336	563260.57,	4234727.98,	4.00,	4.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	1061.04210	563261.12,	4234713.24,	4.00,	4.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	1009.99670	563260.40,	4234737.31,	4.00,	4.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	955.55561	563250.06,	4234755.81,	4.00,	4.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	873.01977	563260.23,	4234746.65,	4.00,	4.00, 0.00)	DC	
OUT_1	1ST HIGHEST VALUE IS	590.68637	563099.20,	4234886.91,	5.88,	5.88, 0.00)	DC	
	2ND HIGHEST VALUE IS	586.53867	563107.65,	4234891.46,	5.77,	5.77, 0.00)	DC	
	3RD HIGHEST VALUE IS	576.13218	563090.74,	4234882.36,	6.00,	6.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	570.83705	563116.10,	4234896.01,	5.75,	5.75, 0.00)	DC	
	5TH HIGHEST VALUE IS	540.40499	563124.55,	4234900.56,	5.81,	5.81, 0.00)	DC	
	6TH HIGHEST VALUE IS	520.46828	563082.29,	4234877.81,	6.00,	6.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	498.42342	563133.00,	4234905.11,	5.96,	5.96, 0.00)	DC	
	8TH HIGHEST VALUE IS	465.58661	563065.98,	4234791.82,	5.00,	5.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	464.87921	563066.81,	4234782.22,	5.00,	5.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	462.25001	563065.15,	4234801.42,	5.00,	5.00, 0.00)	DC	
OUT_2	1ST HIGHEST VALUE IS	2478.36892	563249.72,	4234774.49,	4.49,	4.49, 0.00)	DC	
	2ND HIGHEST VALUE IS	2460.11659	563249.89,	4234765.15,	4.24,	4.24, 0.00)	DC	
	3RD HIGHEST VALUE IS	2437.19813	563249.55,	4234783.83,	4.74,	4.74, 0.00)	DC	
	4TH HIGHEST VALUE IS	2387.54305	563250.06,	4234755.81,	4.00,	4.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	2316.04990	563249.38,	4234793.17,	4.85,	4.85, 0.00)	DC	
	6TH HIGHEST VALUE IS	2279.13334	563250.23,	4234746.47,	4.00,	4.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	2078.70577	563250.40,	4234737.13,	4.00,	4.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	2058.83320	563249.21,	4234802.51,	4.92,	4.92, 0.00)	DC	
	9TH HIGHEST VALUE IS	1738.22338	563250.57,	4234727.79,	4.00,	4.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	1598.75960	563249.03,	4234812.07,	4.98,	4.98, 0.00)	DC	
OUT_3	1ST HIGHEST VALUE IS	514.59639	563214.04,	4234603.02,	3.00,	3.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	443.14796	563521.16,	4234625.98,	3.25,	3.25, 0.00)	DC	
	3RD HIGHEST VALUE IS	431.46674	563251.72,	4234681.86,	3.87,	3.87, 0.00)	DC	
	4TH HIGHEST VALUE IS	427.32123	563302.90,	4234608.22,	3.00,	3.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	423.11845	563260.55,	4234599.95,	3.00,	3.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	403.68427	563278.38,	4234602.75,	3.00,	3.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	402.57197	563251.71,	4234697.55,	4.00,	4.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	401.54712	563291.46,	4234604.80,	3.00,	3.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	389.20526	563498.98,	4234620.87,	2.75,	2.75, 0.00)	DC	
	10TH HIGHEST VALUE IS	376.04080	563332.90,	4234607.86,	2.08,	2.08, 0.00)	DC	

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)					OF TYPE	NETWORK GRID-ID
OUT_4	1ST HIGHEST VALUE IS	286.49891 AT	(563695.10,	4234362.16,	10.05,	55.00,	0.00)	DC	
	2ND HIGHEST VALUE IS	261.29167 AT	(563690.94,	4234351.95,	9.82,	55.00,	0.00)	DC	
	3RD HIGHEST VALUE IS	238.59123 AT	(563686.79,	4234341.74,	9.54,	55.00,	0.00)	DC	
	4TH HIGHEST VALUE IS	237.93429 AT	(563703.20,	4234480.75,	6.50,	55.00,	0.00)	DC	
	5TH HIGHEST VALUE IS	233.17705 AT	(563686.67,	4234242.76,	8.77,	55.00,	0.00)	DC	
	6TH HIGHEST VALUE IS	223.79316 AT	(563699.06,	4234470.59,	6.70,	55.00,	0.00)	DC	
	7TH HIGHEST VALUE IS	217.51916 AT	(563682.63,	4234331.54,	9.17,	55.00,	0.00)	DC	
	8TH HIGHEST VALUE IS	211.20130 AT	(563694.92,	4234460.43,	6.90,	55.00,	0.00)	DC	
	9TH HIGHEST VALUE IS	210.22335 AT	(563682.50,	4234232.51,	8.63,	55.00,	0.00)	DC	
	10TH HIGHEST VALUE IS	199.88098 AT	(563690.78,	4234450.26,	7.10,	55.00,	0.00)	DC	
OUT_5	1ST HIGHEST VALUE IS	238.32230 AT	(563763.77,	4235385.36,	8.27,	162.00,	0.00)	DC	
	2ND HIGHEST VALUE IS	214.59086 AT	(563810.70,	4235076.77,	10.00,	10.00,	0.00)	DC	
	3RD HIGHEST VALUE IS	214.48653 AT	(563812.69,	4235148.96,	9.00,	9.00,	0.00)	DC	
	4TH HIGHEST VALUE IS	208.35435 AT	(563760.84,	4235314.79,	6.15,	162.00,	0.00)	DC	
	5TH HIGHEST VALUE IS	207.48065 AT	(563807.76,	4234967.23,	9.80,	9.80,	0.00)	DC	
	6TH HIGHEST VALUE IS	203.32066 AT	(563756.54,	4235095.31,	10.00,	10.00,	0.00)	DC	
	7TH HIGHEST VALUE IS	201.60305 AT	(563756.27,	4235398.40,	8.46,	162.00,	0.00)	DC	
	8TH HIGHEST VALUE IS	196.54592 AT	(563810.14,	4234982.20,	9.88,	9.88,	0.00)	DC	
	9TH HIGHEST VALUE IS	194.73767 AT	(563803.10,	4234805.19,	9.65,	9.65,	0.00)	DC	
	10TH HIGHEST VALUE IS	194.48654 AT	(563757.81,	4235168.75,	8.35,	8.35,	0.00)	DC	
STCK1	1ST HIGHEST VALUE IS	477.35812 AT	(563078.90,	4234641.31,	3.17,	3.17,	0.00)	DC	
	2ND HIGHEST VALUE IS	423.54505 AT	(563078.10,	4234650.63,	3.48,	3.48,	0.00)	DC	
	3RD HIGHEST VALUE IS	413.79370 AT	(563068.94,	4234640.46,	3.14,	3.14,	0.00)	DC	
	4TH HIGHEST VALUE IS	375.82496 AT	(563092.12,	4234602.95,	3.00,	3.00,	0.00)	DC	
	5TH HIGHEST VALUE IS	354.63953 AT	(563058.97,	4234639.61,	3.11,	3.11,	0.00)	DC	
	6TH HIGHEST VALUE IS	352.50281 AT	(563068.14,	4234649.78,	3.45,	3.45,	0.00)	DC	
	7TH HIGHEST VALUE IS	336.77152 AT	(563071.12,	4234599.97,	3.00,	3.00,	0.00)	DC	
	8TH HIGHEST VALUE IS	330.46132 AT	(563101.64,	4234603.73,	3.00,	3.00,	0.00)	DC	
	9TH HIGHEST VALUE IS	327.84927 AT	(563079.21,	4234587.68,	3.00,	3.00,	0.00)	DC	
	10TH HIGHEST VALUE IS	323.62593 AT	(563092.94,	4234592.98,	3.00,	3.00,	0.00)	DC	
STCK10	1ST HIGHEST VALUE IS	299.72449 AT	(563066.81,	4234782.22,	5.00,	5.00,	0.00)	DC	
	2ND HIGHEST VALUE IS	287.70827 AT	(563065.98,	4234791.82,	5.00,	5.00,	0.00)	DC	
	3RD HIGHEST VALUE IS	280.23416 AT	(563063.49,	4234820.63,	5.00,	5.00,	0.00)	DC	
	4TH HIGHEST VALUE IS	279.71305 AT	(563099.20,	4234886.91,	5.88,	5.88,	0.00)	DC	
	5TH HIGHEST VALUE IS	274.47893 AT	(563064.32,	4234811.03,	5.00,	5.00,	0.00)	DC	
	6TH HIGHEST VALUE IS	271.22373 AT	(563090.74,	4234882.36,	6.00,	6.00,	0.00)	DC	
	7TH HIGHEST VALUE IS	269.36728 AT	(563054.35,	4234810.17,	5.00,	5.00,	0.00)	DC	
	8TH HIGHEST VALUE IS	269.27900 AT	(563107.65,	4234891.46,	5.77,	5.77,	0.00)	DC	
	9TH HIGHEST VALUE IS	263.08923 AT	(563055.18,	4234800.56,	5.00,	5.00,	0.00)	DC	
	10TH HIGHEST VALUE IS	260.34922 AT	(563082.29,	4234877.81,	6.00,	6.00,	0.00)	DC	

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				OF TYPE	NETWORK GRID-ID
STCK11	1ST HIGHEST VALUE IS	388.48943 AT	(563065.98,	4234791.82,	5.00,	5.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	387.50151 AT	(563065.15,	4234801.42,	5.00,	5.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	378.92751 AT	(563099.20,	4234886.91,	5.88,	5.88, 0.00)	DC	
	4TH HIGHEST VALUE IS	374.19259 AT	(563064.32,	4234811.03,	5.00,	5.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	353.12043 AT	(563107.65,	4234891.46,	5.77,	5.77, 0.00)	DC	
	6TH HIGHEST VALUE IS	346.12141 AT	(563090.74,	4234882.36,	6.00,	6.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	334.98567 AT	(563063.49,	4234820.63,	5.00,	5.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	319.58289 AT	(563062.66,	4234830.24,	5.00,	5.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	319.21966 AT	(563066.81,	4234782.22,	5.00,	5.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	315.05139 AT	(563055.18,	4234800.56,	5.00,	5.00, 0.00)	DC	
STCK12	1ST HIGHEST VALUE IS	480.90003 AT	(563099.20,	4234886.91,	5.88,	5.88, 0.00)	DC	
	2ND HIGHEST VALUE IS	420.85837 AT	(563090.74,	4234882.36,	6.00,	6.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	415.96945 AT	(563107.65,	4234891.46,	5.77,	5.77, 0.00)	DC	
	4TH HIGHEST VALUE IS	398.73590 AT	(563061.83,	4234839.84,	5.00,	5.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	381.21127 AT	(563062.66,	4234830.24,	5.00,	5.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	370.78952 AT	(563094.46,	4234895.72,	5.99,	5.99, 0.00)	DC	
	7TH HIGHEST VALUE IS	370.34522 AT	(563061.00,	4234849.44,	5.10,	5.10, 0.00)	DC	
	8TH HIGHEST VALUE IS	365.97689 AT	(563086.00,	4234891.17,	6.00,	6.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	356.17270 AT	(563102.91,	4234900.27,	5.94,	5.94, 0.00)	DC	
	10TH HIGHEST VALUE IS	334.52718 AT	(563089.72,	4234904.52,	6.00,	6.00, 0.00)	DC	
STCK2	1ST HIGHEST VALUE IS	418.91484 AT	(563077.30,	4234659.95,	3.79,	3.79, 0.00)	DC	
	2ND HIGHEST VALUE IS	378.90377 AT	(563078.10,	4234650.63,	3.48,	3.48, 0.00)	DC	
	3RD HIGHEST VALUE IS	367.20959 AT	(563076.51,	4234669.27,	4.00,	4.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	347.19303 AT	(563067.34,	4234659.10,	3.76,	3.76, 0.00)	DC	
	5TH HIGHEST VALUE IS	340.40603 AT	(563078.90,	4234641.31,	3.17,	3.17, 0.00)	DC	
	6TH HIGHEST VALUE IS	318.84767 AT	(563068.14,	4234649.78,	3.45,	3.45, 0.00)	DC	
	7TH HIGHEST VALUE IS	301.72907 AT	(563066.54,	4234668.41,	4.00,	4.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	297.55706 AT	(563057.38,	4234658.24,	3.73,	3.73, 0.00)	DC	
	9TH HIGHEST VALUE IS	297.44752 AT	(563068.94,	4234640.46,	3.14,	3.14, 0.00)	DC	
	10TH HIGHEST VALUE IS	288.82292 AT	(563058.17,	4234648.93,	3.42,	3.42, 0.00)	DC	
STCK3	1ST HIGHEST VALUE IS	358.24851 AT	(563075.71,	4234678.58,	4.00,	4.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	352.06807 AT	(563074.91,	4234687.90,	4.00,	4.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	345.92099 AT	(563078.10,	4234650.63,	3.48,	3.48, 0.00)	DC	
	4TH HIGHEST VALUE IS	343.11618 AT	(563076.51,	4234669.27,	4.00,	4.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	333.31042 AT	(563077.30,	4234659.95,	3.79,	3.79, 0.00)	DC	
	6TH HIGHEST VALUE IS	326.49977 AT	(563078.90,	4234641.31,	3.17,	3.17, 0.00)	DC	
	7TH HIGHEST VALUE IS	312.80006 AT	(563068.94,	4234640.46,	3.14,	3.14, 0.00)	DC	
	8TH HIGHEST VALUE IS	300.53837 AT	(563065.75,	4234677.73,	4.00,	4.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	297.15304 AT	(563068.14,	4234649.78,	3.45,	3.45, 0.00)	DC	
	10TH HIGHEST VALUE IS	297.03481 AT	(563066.54,	4234668.41,	4.00,	4.00, 0.00)	DC	

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
STCK4	1ST HIGHEST VALUE IS	333.42125 AT (563074.91, 4234687.90, 4.00, 4.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	317.04433 AT (563074.11, 4234697.22, 4.01, 4.01, 0.00)	DC	
	3RD HIGHEST VALUE IS	308.88848 AT (563075.71, 4234678.58, 4.00, 4.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	304.12150 AT (563076.51, 4234669.27, 4.00, 4.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	295.48685 AT (563066.54, 4234668.41, 4.00, 4.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	294.17927 AT (563058.17, 4234648.93, 3.42, 3.42, 0.00)	DC	
	7TH HIGHEST VALUE IS	288.85212 AT (563073.32, 4234706.54, 4.11, 4.11, 0.00)	DC	
	8TH HIGHEST VALUE IS	286.86725 AT (563077.30, 4234659.95, 3.79, 3.79, 0.00)	DC	
	9TH HIGHEST VALUE IS	284.90537 AT (563064.15, 4234696.37, 4.00, 4.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	282.21144 AT (563068.94, 4234640.46, 3.14, 3.14, 0.00)	DC	
STCK5	1ST HIGHEST VALUE IS	320.46337 AT (563072.52, 4234715.85, 4.19, 4.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	283.41372 AT (563073.32, 4234706.54, 4.11, 4.11, 0.00)	DC	
	3RD HIGHEST VALUE IS	263.75703 AT (563061.76, 4234724.32, 4.00, 4.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	262.61370 AT (563062.56, 4234715.00, 4.00, 4.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	262.58672 AT (563071.72, 4234725.17, 4.26, 4.26, 0.00)	DC	
	6TH HIGHEST VALUE IS	260.09368 AT (563074.11, 4234697.22, 4.01, 4.01, 0.00)	DC	
	7TH HIGHEST VALUE IS	254.80693 AT (563046.62, 4234666.71, 4.00, 4.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	253.19810 AT (563052.59, 4234714.15, 4.00, 4.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	251.25105 AT (563045.82, 4234676.03, 4.00, 4.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	250.91842 AT (563055.78, 4234676.88, 4.00, 4.00, 0.00)	DC	
STCK6	1ST HIGHEST VALUE IS	268.74020 AT (563060.96, 4234733.64, 4.25, 4.25, 0.00)	DC	
	2ND HIGHEST VALUE IS	263.79195 AT (563070.92, 4234734.49, 4.45, 4.45, 0.00)	DC	
	3RD HIGHEST VALUE IS	259.39273 AT (563060.16, 4234742.95, 4.56, 4.56, 0.00)	DC	
	4TH HIGHEST VALUE IS	255.33852 AT (563071.72, 4234725.17, 4.26, 4.26, 0.00)	DC	
	5TH HIGHEST VALUE IS	249.93043 AT (563061.76, 4234724.32, 4.00, 4.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	246.10529 AT (563070.13, 4234743.81, 4.68, 4.68, 0.00)	DC	
	7TH HIGHEST VALUE IS	242.46772 AT (563051.79, 4234723.47, 4.00, 4.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	235.69372 AT (563072.52, 4234715.85, 4.19, 4.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	232.46513 AT (563045.82, 4234676.03, 4.00, 4.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	228.23896 AT (563052.59, 4234714.15, 4.00, 4.00, 0.00)	DC	
STCK7	1ST HIGHEST VALUE IS	267.13548 AT (563059.33, 4234752.54, 4.88, 4.88, 0.00)	DC	
	2ND HIGHEST VALUE IS	257.04504 AT (563058.50, 4234762.15, 5.00, 5.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	252.90831 AT (563069.30, 4234753.40, 4.92, 4.92, 0.00)	DC	
	4TH HIGHEST VALUE IS	248.52987 AT (563070.13, 4234743.81, 4.68, 4.68, 0.00)	DC	
	5TH HIGHEST VALUE IS	239.71560 AT (563060.16, 4234742.95, 4.56, 4.56, 0.00)	DC	
	6TH HIGHEST VALUE IS	239.08438 AT (563068.47, 4234763.01, 5.00, 5.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	227.22483 AT (563049.37, 4234751.68, 4.85, 4.85, 0.00)	DC	
	8TH HIGHEST VALUE IS	219.77977 AT (563039.41, 4234750.82, 4.82, 4.82, 0.00)	DC	
	9TH HIGHEST VALUE IS	219.04682 AT (563031.07, 4234731.08, 4.15, 4.15, 0.00)	DC	
	10TH HIGHEST VALUE IS	219.01449 AT (563060.96, 4234733.64, 4.25, 4.25, 0.00)	DC	

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				OF TYPE	NETWORK GRID-ID
STCK8	1ST HIGHEST VALUE IS	257.78302 AT	563057.67,	4234771.75,	5.00,	5.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	241.65871 AT	563056.84,	4234781.35,	5.00,	5.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	234.39836 AT	563047.71,	4234770.89,	5.00,	5.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	232.42258 AT	563067.64,	4234772.61,	5.00,	5.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	231.06758 AT	563037.75,	4234770.03,	5.00,	5.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	230.61308 AT	563046.88,	4234780.49,	5.00,	5.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	229.12625 AT	563069.30,	4234753.40,	4.92,	4.92, 0.00)	DC	
	8TH HIGHEST VALUE IS	228.03739 AT	563058.50,	4234762.15,	5.00,	5.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	225.49440 AT	563038.58,	4234760.42,	5.00,	5.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	223.07159 AT	563068.47,	4234763.01,	5.00,	5.00, 0.00)	DC	
STCK9	1ST HIGHEST VALUE IS	275.53595 AT	563065.15,	4234801.42,	5.00,	5.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	258.91086 AT	563046.05,	4234790.10,	5.00,	5.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	254.21828 AT	563065.98,	4234791.82,	5.00,	5.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	244.57853 AT	563055.18,	4234800.56,	5.00,	5.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	239.02767 AT	563045.22,	4234799.70,	5.00,	5.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	238.06082 AT	563056.01,	4234790.96,	5.00,	5.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	236.77599 AT	563066.81,	4234782.22,	5.00,	5.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	232.52228 AT	563036.92,	4234779.63,	5.00,	5.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	232.22015 AT	563046.88,	4234780.49,	5.00,	5.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	230.86442 AT	563057.67,	4234771.75,	5.00,	5.00, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
IN_1	HIGH 1ST HIGH VALUE IS	6401.89227	ON 15120622: AT (	563111.16, 4234604.52, 3.00, 3.00, 0.00)	DC	
IN_2	HIGH 1ST HIGH VALUE IS	3029.49909	ON 13061205: AT (	563761.18, 4234228.30, 11.90, 100.00, 0.00)	DC	
IN_3	HIGH 1ST HIGH VALUE IS	4239.42295	ON 17090224: AT (	563763.77, 4235385.36, 8.27, 162.00, 0.00)	DC	
ONSI_C1	HIGH 1ST HIGH VALUE IS	30217.26704	ON 15121620: AT (	563166.81, 4234923.31, 5.24, 5.24, 0.00)	DC	
ONSI_C2	HIGH 1ST HIGH VALUE IS	28833.24091	ON 16011219: AT (	563251.13, 4234712.87, 4.00, 4.00, 0.00)	DC	
ONSI_C3	HIGH 1ST HIGH VALUE IS	27640.56269	ON 16011219: AT (	563251.72, 4234681.86, 3.87, 3.87, 0.00)	DC	
ONSI_C4	HIGH 1ST HIGH VALUE IS	21460.80340	ON 13111919: AT (	563260.55, 4234599.95, 3.00, 3.00, 0.00)	DC	
ONSI_C5	HIGH 1ST HIGH VALUE IS	70333.48426	ON 13043004: AT (	563249.38, 4234793.17, 4.85, 4.85, 0.00)	DC	
ONSI_C6	HIGH 1ST HIGH VALUE IS	103827.52376	ON 13111918: AT (	563250.57, 4234727.79, 4.00, 4.00, 0.00)	DC	
OUT_1	HIGH 1ST HIGH VALUE IS	8868.46186	ON 17121022: AT (	563060.17, 4234859.05, 5.38, 5.38, 0.00)	DC	
OUT_2	HIGH 1ST HIGH VALUE IS	27248.94726	ON 15120622: AT (	563251.72, 4234681.86, 3.87, 3.87, 0.00)	DC	
OUT_3	HIGH 1ST HIGH VALUE IS	8881.96033	ON 17112506: AT (	563214.04, 4234603.02, 3.00, 3.00, 0.00)	DC	
OUT_4	HIGH 1ST HIGH VALUE IS	3612.58482	ON 15083103: AT (	563690.94, 4234351.95, 9.82, 55.00, 0.00)	DC	
OUT_5	HIGH 1ST HIGH VALUE IS	3471.90828	ON 15120622: AT (	563812.69, 4235148.96, 9.00, 9.00, 0.00)	DC	
STCK1	HIGH 1ST HIGH VALUE IS	13379.35213	ON 15101219: AT (	563078.10, 4234650.63, 3.48, 3.48, 0.00)	DC	
STCK10	HIGH 1ST HIGH VALUE IS	8708.79548	ON 17122319: AT (	563063.49, 4234820.63, 5.00, 5.00, 0.00)	DC	
STCK11	HIGH 1ST HIGH VALUE IS	8596.75695	ON 17122319: AT (	563061.83, 4234839.84, 5.00, 5.00, 0.00)	DC	
STCK12	HIGH 1ST HIGH VALUE IS	13226.10570	ON 14020321: AT (	563061.00, 4234849.44, 5.10, 5.10, 0.00)	DC	
STCK2	HIGH 1ST HIGH VALUE IS	13049.27937	ON 17101703: AT (	563077.30, 4234659.95, 3.79, 3.79, 0.00)	DC	
STCK3	HIGH 1ST HIGH VALUE IS	9738.83784	ON 17122319: AT (	563053.39, 4234704.83, 4.00, 4.00, 0.00)	DC	
STCK4	HIGH 1ST HIGH VALUE IS	10548.03422	ON 17122319: AT (	563052.59, 4234714.15, 4.00, 4.00, 0.00)	DC	
STCK5	HIGH 1ST HIGH VALUE IS	9084.72006	ON 17122319: AT (	563051.00, 4234732.78, 4.22, 4.22, 0.00)	DC	
STCK6	HIGH 1ST HIGH VALUE IS	7833.24948	ON 17122319: AT (	563059.33, 4234752.54, 4.88, 4.88, 0.00)	DC	
STCK7	HIGH 1ST HIGH VALUE IS	7405.13226	ON 17122319: AT (	563057.67, 4234771.75, 5.00, 5.00, 0.00)	DC	

STCK8 HIGH 1ST HIGH VALUE IS 7303.96855 ON 17120118: AT (563056.84, 4234781.35, 5.00, 5.00, 0.00) DC

*** MODELOPTs: RegDFAULT CONC ELEV RURAL SigA Data

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
STCK9	HIGH 1ST HIGH VALUE IS 8856.61971	ON 17121020:	AT (563065.15, 4234801.42, 5.00, 5.00, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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*** MODELOPTs:    RegDFAULT  CONC  ELEV  RURAL  SigA Data

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of            0 Fatal Error Message(s)
A Total of            2 Warning Message(s)
A Total of        11737 Informational Message(s)

A Total of        43824 Hours Were Processed

A Total of           23 Calm Hours Identified

A Total of        11714 Missing Hours Identified ( 26.73 Percent)

CAUTION!:  Number of Missing Hours Exceeds 10 Percent of Total!
           Data May Not Be Acceptable for Regulatory Applications.
           See Section 5.3.2 of "Meteorological Monitoring Guidance
           for Regulatory Modeling Applications" (EPA-454/R-99-005).


   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
MX W403    2990       PFLCNV: Turbulence data is being used w/o ADJ_U* option       SigA Data
MX W403       1       PFLCNV: Turbulence data is being used w/o ADJ_U* option       SigA Data

   ************************************
   *** AERMOD Finishes Successfully ***
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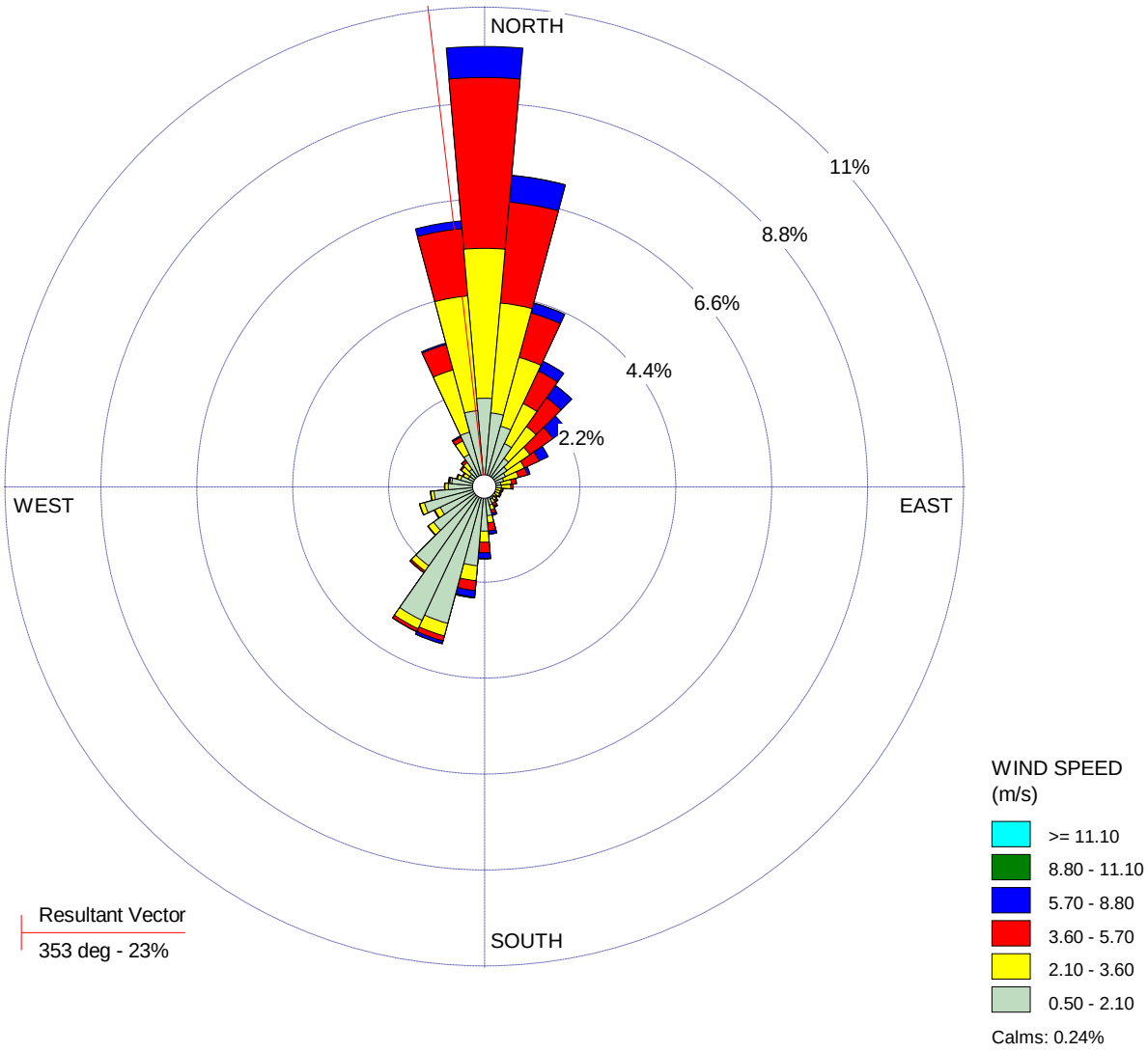
WIND ROSE PLOT:

Station #93227

DISPLAY:

Wind Speed
Flow Vector (blowing to)



COMMENTS:	DATA PERIOD: **Start Date: 1/1/2013 - 00:00** **End Date: 12/31/2017 - 23:59**	COMPANY NAME: **LSA**	
		MODELER:	
	CALM WINDS: **0.24%**	TOTAL COUNT: **32277 hrs.**	
	AVG. WIND SPEED: **2.53 m/s**	DATE: **5/16/2026**	PROJECT NO.:

HARP2 - HRACalc (dated 22118) 5/15/2026 6:24:17 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 1
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: ON
16 years to 70 years: ON

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
D:\LSA\2026\20252510\HARP_CONST\hra\Const_Sensitive_Year1_CancerRisk.csv
Cancer risk total by receptor saved to:
D:\LSA\2026\20252510\HARP_CONST\hra\Const_Sensitive_Year1_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
D:\LSA\2026\20252510\HARP_CONST\hra\Const_Sensitive_Year1_NCChronicRisk.csv
Chronic risk total by receptor saved to:
D:\LSA\2026\20252510\HARP_CONST\hra\Const_Sensitive_Year1_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
D:\LSA\2026\20252510\HARP_CONST\hra\Const_Sensitive_Year1_NCAcuteRisk.csv
Acute risk total by receptor saved to:
D:\LSA\2026\20252510\HARP_CONST\hra\Const_Sensitive_Year1_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 5/15/2026 6:27:53 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 1
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 1
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: ON
16 years to 70 years: ON

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
D:\LSA\2026\20252510\HARP_CONST\hra\Const_Sensitive_Year2_CancerRisk.csv
Cancer risk total by receptor saved to:
D:\LSA\2026\20252510\HARP_CONST\hra\Const_Sensitive_Year2_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
D:\LSA\2026\20252510\HARP_CONST\hra\Const_Sensitive_Year2_NCChronicRisk.csv
Chronic risk total by receptor saved to:
D:\LSA\2026\20252510\HARP_CONST\hra\Const_Sensitive_Year2_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
D:\LSA\2026\20252510\HARP_CONST\hra\Const_Sensitive_Year2_NCAcuteRisk.csv
Acute risk total by receptor saved to:
D:\LSA\2026\20252510\HARP_CONST\hra\Const_Sensitive_Year2_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 5/15/2026 6:57:12 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 16
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 1
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
D:\LSA\2026\20252510\HARP_CONST\hra\Const_Worker_Year1_CancerRisk.csv
Cancer risk total by receptor saved to:
D:\LSA\2026\20252510\HARP_CONST\hra\Const_Worker_Year1_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
D:\LSA\2026\20252510\HARP_CONST\hra\Const_Worker_Year1_NCChronicRisk.csv
Chronic risk total by receptor saved to:
D:\LSA\2026\20252510\HARP_CONST\hra\Const_Worker_Year1_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
D:\LSA\2026\20252510\HARP_CONST\hra\Const_Worker_Year1_NCAcuteRisk.csv
Acute risk total by receptor saved to:
D:\LSA\2026\20252510\HARP_CONST\hra\Const_Worker_Year1_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 5/15/2026 8:08:18 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 17
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 1
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
D:\LSA\2026\20252510\HARP_CONST\hra\Const_Worker_Year2_CancerRisk.csv
Cancer risk total by receptor saved to:
D:\LSA\2026\20252510\HARP_CONST\hra\Const_Worker_Year2_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
D:\LSA\2026\20252510\HARP_CONST\hra\Const_Worker_Year2_NCChronicRisk.csv
Chronic risk total by receptor saved to:
D:\LSA\2026\20252510\HARP_CONST\hra\Const_Worker_Year2_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
D:\LSA\2026\20252510\HARP_CONST\hra\Const_Worker_Year2_NCAcuteRisk.csv
Acute risk total by receptor saved to:
D:\LSA\2026\20252510\HARP_CONST\hra\Const_Worker_Year2_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 5/16/2026 12:16:36 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 30

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 14
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: ON
16 years to 70 years: ON

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
D:\LSA\2026\20252510\HARP_OP_WORKER\hra\OP_Sensitive_30yrCancerRisk.csv
Cancer risk total by receptor saved to:
D:\LSA\2026\20252510\HARP_OP_WORKER\hra\OP_Sensitive_30yrCancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
D:\LSA\2026\20252510\HARP_OP_WORKER\hra\OP_Sensitive_30yrNCChronicRisk.csv
Chronic risk total by receptor saved to:
D:\LSA\2026\20252510\HARP_OP_WORKER\hra\OP_Sensitive_30yrNCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
D:\LSA\2026\20252510\HARP_OP_WORKER\hra\OP_Sensitive_30yrNCAcuteRisk.csv
Acute risk total by receptor saved to:
D:\LSA\2026\20252510\HARP_OP_WORKER\hra\OP_Sensitive_30yrNCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 5/16/2026 12:10:46 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 16
Total Exposure Duration: 25

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 25

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
D:\LSA\2026\20252510\HARP_OP_WORKER\hra\OP_Worker_25yrCancerRisk.csv
Cancer risk total by receptor saved to:
D:\LSA\2026\20252510\HARP_OP_WORKER\hra\OP_Worker_25yrCancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
D:\LSA\2026\20252510\HARP_OP_WORKER\hra\OP_Worker_25yrNCChronicRisk.csv
Chronic risk total by receptor saved to:
D:\LSA\2026\20252510\HARP_OP_WORKER\hra\OP_Worker_25yrNCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
D:\LSA\2026\20252510\HARP_OP_WORKER\hra\OP_Worker_25yrNCAcuteRisk.csv
Acute risk total by receptor saved to:
D:\LSA\2026\20252510\HARP_OP_WORKER\hra\OP_Worker_25yrNCAcuteRiskSumByRec.csv
HRA ran successfully

HARP Project Summary Report 5/15/2026 9:08:06 PM

PROJECT INFORMATION
HARP Version: 22118
Project Name: HARP_CONST
Project Output Directory: D:\LSA\2026\20252510\HARP_CONST
HARP Database: NA

POLLUTANT HEALTH INFORMATION
Health Database: D:\HARP2\Tables\HEALTH17320.mdb
Health Table Version: HEALTH25268
Official: True

PolID	PolAbbrev	InhCancer	OralCancer	AcuteREL	InhChronicREL	OralChronicREL	InhChronic8HRREL
9901	DieselExhPM	1.1			5		

HARP Project Summary Report 5/16/2026 12:45:30 PM

PROJECT INFORMATION
HARP Version: 22118
Project Name: HARP_OP_WORKER
Project Output Directory: D:\LSA\2026\20252510\HARP_OP_WORKER
HARP Database: NA

POLLUTANT HEALTH INFORMATION
Health Database: D:\HARP2\Tables\HEALTH17320.mdb
Health Table Version: HEALTH25268
Official: True

PolID	PolAbbrev	InhCancer	OralCancer	AcuteREL	InhChronicREL	OralChronicREL	InhChronic8HRREL
75070	Acetaldehyde	0.01		470	140		300
107028	Acrolein			2.5	0.35		0.7
71432	Benzene	0.1		27	3		3
106990	1,3-Butadiene	0.6		660	2		9
100414	Ethyl Benzene	0.0087			2000		
50000	Formaldehyde	0.021		55	9		9
110543	Hexane				7000		
67561	Methanol			28000	4000		
78933	MEK			13000			
91203	Naphthalene	0.12			9		
115071	Propylene				3000		
100425	Styrene			21000	900		
108883	Toluene			5000	420		830
1330207	Xylenes			22000	700		
9901	DieselExhPM	1.1			5		

APPENDIX B

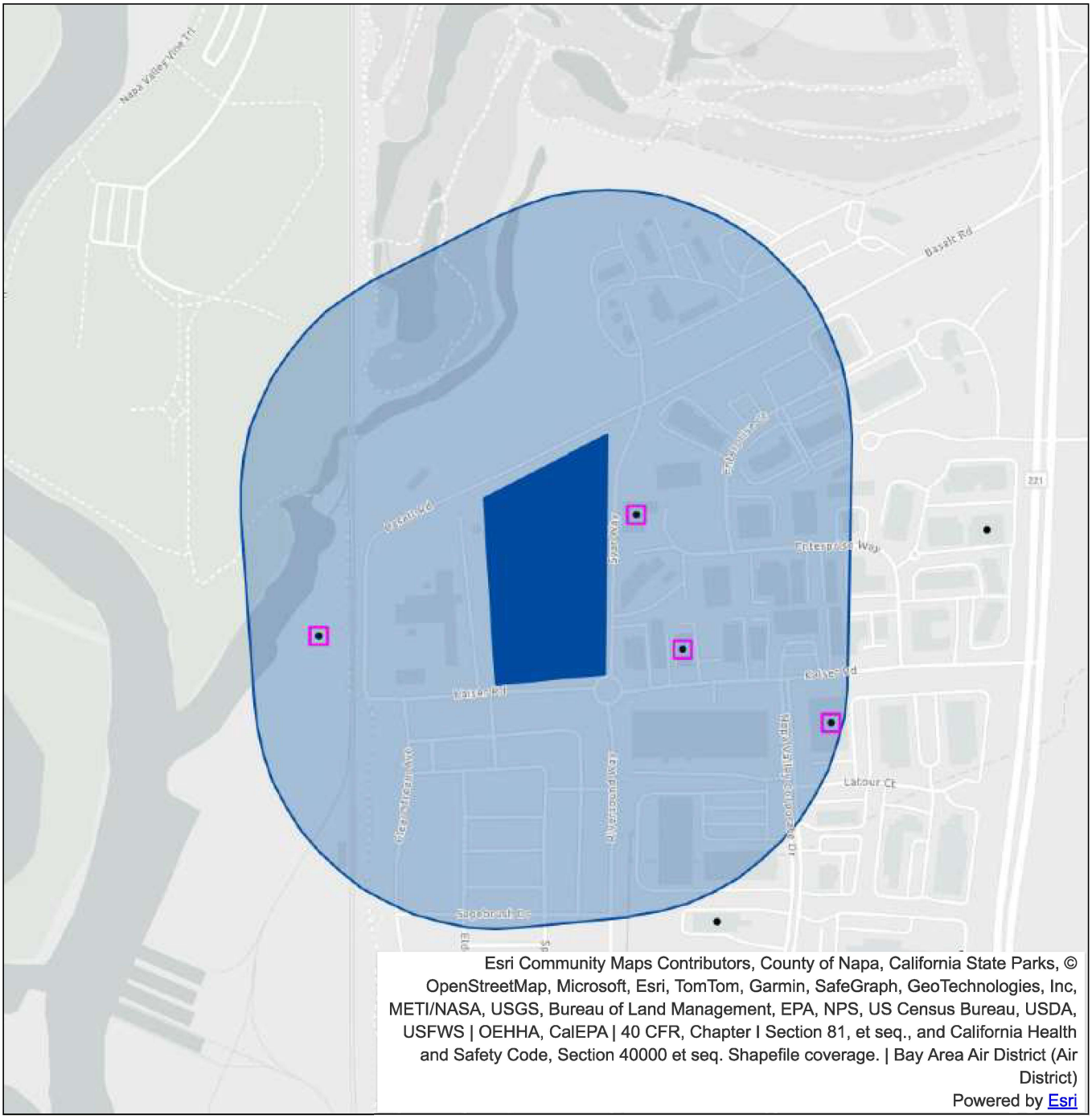
STATIONARY SOURCE DISTANCE MULTIPLIER TOOL

1030 Kaiser Road

Area of Interest (AOI) Information

Area: 6,337,324.33 ft²

Date: Tue May 26 2026 15:37:42 GMT-0700 (Pacific Daylight Time)



Permitted Stationary Sources

●

Bay Area Air District Boundary

Overburdened Communities

Permitted Stationary Sources | Total count: 4

#	OBJECTID	FacilityID	FacilityName
1	331	3,923	Paupaiz Fine Coffees
2	2959	17,946	Regulus
3	10063	*No data*	Royal Coach Limousine Services
4	7581	24,739	Syar Concrete LLC

#	Address	City	State
1	978B Kaiser Road	Napa	CA
2	860 Latour Court	Napa	CA
3	988 Enterprise Way	Napa	CA
4	760 N of Wst End of Ks Rd	Napa	CA

#	Zip	County	Latitude
1	94558	Napa	38.257899
2	94558	Napa	38.257067
3	94558	Napa	38.259407
4	94559	Napa	38.258053

#	Longitude	SourceType	NAICS
1	-122.276176	*No data*	311920
2	-122.274046	Generator	518210
3	-122.276843	Nonretail Gas Station	457120
4	-122.281404	*No data*	327320

#	NAICS Sector	NAICS Subsector	NAICS Industry
1	Manufacturing	Food Manufacturing	Coffee and Tea Manufacturing
2	Information	Data Processing, Hosting and Related Services	Data Processing, Hosting, and Related Services
3	Retail Trade	Gasoline Stations	Other Gasoline Stations
4	Manufacturing	Nonmetallic Mineral Product Manufacturing	Ready-Mix Concrete Manufacturing

#	CancerRisk	ChronicHI	PM25	Throughput_Gal/yr
1	0	0.00	0.02	*No data*
2	4	0.00	0.01	*No data*
3	0	0.00	0.00	*No data*
4	0	0.00	1.59	*No data*