APPENDIX A

AIR QUALITY DATA

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APPENDIX A-1

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San Joaquin Be Well Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	San Joaquin Be Well
Construction Start Date	5/1/2026
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.40
Precipitation (days)	31.2
Location	37.887601379196354, -121.27848777175785
County	San Joaquin
City	Unincorporated
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2005
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Medical Office Building	204	1000sqft	4.68	204,040	0.00	—	—	—

Congregate Care (Assisted Living)	252	Dwelling Unit	1.93	151,360	0.00	—	814	—
City Park	6.00	Acre	6.00	0.00	0.00	0.00	—	—
Parking Lot	599	Space	5.39	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	16.2	58.4	43.0	0.07	1.59	7.81	8.93	1.43	3.97	4.99	—	8,136	8,136	0.33	0.37	8,166
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	15.7	22.9	26.4	0.04	0.78	2.95	3.73	0.73	0.71	1.44	—	6,562	6,562	0.20	0.38	6,679
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.19	13.9	13.2	0.02	0.42	1.70	2.12	0.39	0.61	1.00	—	3,001	3,001	0.10	0.17	3,056
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.13	2.54	2.40	< 0.005	0.08	0.31	0.39	0.07	0.11	0.18	—	497	497	0.02	0.03	506

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.65	58.4	43.0	0.07	1.59	7.81	8.93	1.43	3.97	4.99	—	8,136	8,136	0.33	0.35	8,166
2027	16.2	22.6	29.2	0.04	0.78	2.95	3.73	0.73	0.71	1.44	—	6,813	6,813	0.18	0.37	6,940
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.57	21.8	24.4	0.04	0.71	2.53	3.25	0.67	0.61	1.28	—	6,097	6,097	0.18	0.36	6,209
2027	15.7	22.9	26.4	0.04	0.78	2.95	3.73	0.73	0.71	1.44	—	6,562	6,562	0.20	0.38	6,679
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.72	13.9	13.2	0.02	0.42	1.70	2.12	0.39	0.61	1.00	—	2,998	2,998	0.10	0.13	3,041
2027	6.19	10.6	12.2	0.02	0.36	1.28	1.65	0.34	0.31	0.65	—	3,001	3,001	0.09	0.17	3,056
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.13	2.54	2.40	< 0.005	0.08	0.31	0.39	0.07	0.11	0.18	—	496	496	0.02	0.02	503
2027	1.13	1.93	2.22	< 0.005	0.07	0.23	0.30	0.06	0.06	0.12	—	497	497	0.01	0.03	506

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	19.0	8.06	95.1	0.18	0.18	14.9	15.1	0.16	3.80	3.96	1,657	22,689	24,346	167	1.04	28,899
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	15.7	9.02	61.9	0.16	0.16	14.9	15.1	0.15	3.80	3.94	1,657	21,324	22,981	167	1.10	27,500

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17.0	8.64	73.6	0.17	0.17	14.6	14.8	0.16	3.72	3.88	1,657	21,665	23,323	167	1.07	27,855
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.11	1.58	13.4	0.03	0.03	2.67	2.70	0.03	0.68	0.71	274	3,587	3,861	27.7	0.18	4,612

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.99	7.54	71.6	0.17	0.14	14.9	15.1	0.13	3.80	3.93	—	17,820	17,820	0.64	0.78	18,124
Area	10.9	0.21	23.2	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	74.7	74.7	< 0.005	< 0.005	75.0
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	4,672	4,672	0.76	0.09	4,718
Water	—	—	—	—	—	—	—	—	—	—	68.7	65.3	134	7.06	0.17	361
Waste	—	—	—	—	—	—	—	—	—	—	1,588	0.00	1,588	159	0.00	5,558
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.14
Stationary	0.11	0.31	0.28	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	56.5	56.5	< 0.005	< 0.005	56.7
Total	19.0	8.06	95.1	0.18	0.18	14.9	15.1	0.16	3.80	3.96	1,657	22,689	24,346	167	1.04	28,899
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.39	8.71	61.7	0.16	0.14	14.9	15.1	0.13	3.80	3.93	—	16,530	16,530	0.72	0.84	16,800
Area	8.16	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	4,672	4,672	0.76	0.09	4,718
Water	—	—	—	—	—	—	—	—	—	—	68.7	65.3	134	7.06	0.17	361
Waste	—	—	—	—	—	—	—	—	—	—	1,588	0.00	1,588	159	0.00	5,558

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.14
Stationary	0.11	0.31	0.28	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	56.5	56.5	< 0.005	< 0.005	56.7
Total	15.7	9.02	61.9	0.16	0.16	14.9	15.1	0.15	3.80	3.94	1,657	21,324	22,981	167	1.10	27,500
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.40	8.22	61.9	0.16	0.14	14.6	14.8	0.13	3.72	3.85	—	16,833	16,833	0.68	0.81	17,115
Area	9.50	0.10	11.4	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	36.8	36.8	< 0.005	< 0.005	37.0
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	4,672	4,672	0.76	0.09	4,718
Water	—	—	—	—	—	—	—	—	—	—	68.7	65.3	134	7.06	0.17	361
Waste	—	—	—	—	—	—	—	—	—	—	1,588	0.00	1,588	159	0.00	5,558
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.14
Stationary	0.11	0.32	0.29	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	58.6	58.6	< 0.005	< 0.005	58.8
Total	17.0	8.64	73.6	0.17	0.17	14.6	14.8	0.16	3.72	3.88	1,657	21,665	23,323	167	1.07	27,855
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.35	1.50	11.3	0.03	0.03	2.67	2.70	0.02	0.68	0.70	—	2,787	2,787	0.11	0.13	2,834
Area	1.73	0.02	2.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	6.10	6.10	< 0.005	< 0.005	6.12
Energy	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	773	773	0.13	0.02	781
Water	—	—	—	—	—	—	—	—	—	—	11.4	10.8	22.2	1.17	0.03	59.7
Waste	—	—	—	—	—	—	—	—	—	—	263	0.00	263	26.3	0.00	920
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.18
Stationary	0.02	0.06	0.05	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	9.71	9.71	< 0.005	< 0.005	9.74
Total	3.11	1.58	13.4	0.03	0.03	2.67	2.70	0.03	0.68	0.71	274	3,587	3,861	27.7	0.18	4,612

3. Construction Emissions Details

3.1. Site Preparation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	39.9	28.3	0.05	1.12	—	1.12	1.02	—	1.02	—	5,298	5,298	0.21	0.04	5,316
Dust From Material Movement	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	3.28	2.33	< 0.005	0.09	—	0.09	0.08	—	0.08	—	435	435	0.02	< 0.005	437
Dust From Material Movement	—	—	—	—	—	0.63	0.63	—	0.32	0.32	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.60	0.42	< 0.005	0.02	—	0.02	0.02	—	0.02	—	72.1	72.1	< 0.005	< 0.005	72.3
Dust From Material Movement	—	—	—	—	—	0.11	0.11	—	0.06	0.06	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.04	0.84	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	158	158	< 0.005	0.01	161
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.1	12.1	< 0.005	< 0.005	12.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.00	2.00	< 0.005	< 0.005	2.03
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.56	58.4	41.9	0.07	1.59	—	1.59	1.43	—	1.43	—	7,932	7,932	0.32	0.06	7,959

Dust From Material Movement	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	3.20	2.30	< 0.005	0.09	—	0.09	0.08	—	0.08	—	435	435	0.02	< 0.005	436
Dust From Material Movement	—	—	—	—	—	0.20	0.20	—	0.08	0.08	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.58	0.42	< 0.005	0.02	—	0.02	0.01	—	0.01	—	72.0	72.0	< 0.005	< 0.005	72.2
Dust From Material Movement	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.06	1.08	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	204	204	< 0.005	0.01	207
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.3	10.3	< 0.005	< 0.005	10.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.71	1.71	< 0.005	< 0.005	1.74
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	18.9	14.3	0.02	0.69	—	0.69	0.64	—	0.64	—	2,397	2,397	0.10	0.02	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	18.9	14.3	0.02	0.69	—	0.69	0.64	—	0.64	—	2,397	2,397	0.10	0.02	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	6.46	4.90	0.01	0.24	—	0.24	0.22	—	0.22	—	821	821	0.03	0.01	824
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	1.18	0.89	< 0.005	0.04	—	0.04	0.04	—	0.04	—	136	136	0.01	< 0.005	136
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.97	0.62	11.9	0.00	0.00	2.07	2.07	0.00	0.49	0.49	—	2,235	2,235	0.04	0.08	2,267
Vendor	0.05	2.03	0.68	0.01	0.02	0.46	0.49	0.02	0.13	0.15	—	1,679	1,679	0.03	0.25	1,759
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.90	0.78	9.41	0.00	0.00	2.07	2.07	0.00	0.49	0.49	—	2,020	2,020	0.05	0.09	2,047
Vendor	0.05	2.16	0.71	0.01	0.02	0.46	0.49	0.02	0.13	0.15	—	1,680	1,680	0.03	0.25	1,756
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.24	3.30	0.00	0.00	0.70	0.70	0.00	0.16	0.16	—	709	709	0.02	0.03	719
Vendor	0.02	0.73	0.24	< 0.005	0.01	0.16	0.16	0.01	0.04	0.05	—	575	575	0.01	0.09	602
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.60	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	117	117	< 0.005	< 0.005	119
Vendor	< 0.005	0.13	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	95.2	95.2	< 0.005	0.01	99.6

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	18.9	14.3	0.02	0.69	—	0.69	0.64	—	0.64	—	2,397	2,397	0.10	0.02	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	18.9	14.3	0.02	0.69	—	0.69	0.64	—	0.64	—	2,397	2,397	0.10	0.02	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	8.53	6.47	0.01	0.31	—	0.31	0.29	—	0.29	—	1,084	1,084	0.04	0.01	1,087
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.56	1.18	< 0.005	0.06	—	0.06	0.05	—	0.05	—	179	179	0.01	< 0.005	180
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.92	0.55	11.0	0.00	0.00	2.07	2.07	0.00	0.49	0.49	—	2,199	2,199	0.04	0.08	2,231
Vendor	0.05	1.94	0.65	0.01	0.02	0.46	0.49	0.02	0.13	0.15	—	1,644	1,644	0.03	0.25	1,723
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.85	0.71	8.70	0.00	0.00	2.07	2.07	0.00	0.49	0.49	—	1,988	1,988	0.05	0.09	2,016
Vendor	0.05	2.07	0.68	0.01	0.02	0.46	0.49	0.02	0.13	0.15	—	1,645	1,645	0.03	0.25	1,721
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.28	4.05	0.00	0.00	0.92	0.92	0.00	0.21	0.21	—	921	921	0.02	0.04	935
Vendor	0.02	0.92	0.30	0.01	0.01	0.20	0.22	0.01	0.06	0.07	—	743	743	0.01	0.11	778
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.05	0.74	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	153	153	< 0.005	0.01	155
Vendor	< 0.005	0.17	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	123	123	< 0.005	0.02	129
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	13.3	10.6	0.01	0.58	—	0.58	0.54	—	0.54	—	1,511	1,511	0.06	0.01	1,516

Paving	1.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.36	0.29	< 0.005	0.02	—	0.02	0.01	—	0.01	—	41.4	41.4	< 0.005	< 0.005	41.5
Paving	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.07	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.85	6.85	< 0.005	< 0.005	6.88
Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.67	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	134	134	< 0.005	< 0.005	136
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.39	3.39	< 0.005	< 0.005	3.44
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.56	0.56	< 0.005	< 0.005	0.57
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	—	134	134	0.01	< 0.005	134
Architectural Coatings	14.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	—	134	134	0.01	< 0.005	134
Architectural Coatings	14.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.02	0.42	0.37	< 0.005	0.03	—	0.03	0.02	—	0.02	—	51.2	51.2	< 0.005	< 0.005	51.4
Architectural Coatings	5.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.08	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.48	8.48	< 0.005	< 0.005	8.51
Architectural Coatings	0.98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.11	2.21	0.00	0.00	0.41	0.41	0.00	0.10	0.10	—	440	440	0.01	0.02	446
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.14	1.74	0.00	0.00	0.41	0.41	0.00	0.10	0.10	—	398	398	0.01	0.02	403
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.05	0.69	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	156	156	< 0.005	0.01	159
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.13	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	25.9	25.9	< 0.005	< 0.005	26.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	7.99	7.54	71.6	0.17	0.14	14.9	15.1	0.13	3.80	3.93	—	17,820	17,820	0.64	0.78	18,124
Congregate Care (Assisted Living)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	7.99	7.54	71.6	0.17	0.14	14.9	15.1	0.13	3.80	3.93	—	17,820	17,820	0.64	0.78	18,124
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	7.39	8.71	61.7	0.16	0.14	14.9	15.1	0.13	3.80	3.93	—	16,530	16,530	0.72	0.84	16,800

Congrega Care (Assisted Living)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	7.39	8.71	61.7	0.16	0.14	14.9	15.1	0.13	3.80	3.93	—	16,530	16,530	0.72	0.84	16,800
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	1.35	1.50	11.3	0.03	0.03	2.67	2.70	0.02	0.68	0.70	—	2,787	2,787	0.11	0.13	2,834
Congrega te Care (Assisted Living)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	1.35	1.50	11.3	0.03	0.03	2.67	2.70	0.02	0.68	0.70	—	2,787	2,787	0.11	0.13	2,834

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	3,351	3,351	0.54	0.07	3,385

Congregate	—	—	—	—	—	—	—	—	—	—	—	1,206	1,206	0.20	0.02	1,217
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	115	115	0.02	< 0.005	116
Total	—	—	—	—	—	—	—	—	—	—	—	4,672	4,672	0.76	0.09	4,718
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	3,351	3,351	0.54	0.07	3,385
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	—	1,206	1,206	0.20	0.02	1,217
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	115	115	0.02	< 0.005	116
Total	—	—	—	—	—	—	—	—	—	—	—	4,672	4,672	0.76	0.09	4,718
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	555	555	0.09	0.01	560
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	—	200	200	0.03	< 0.005	202
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	19.0	19.0	< 0.005	< 0.005	19.2
Total	—	—	—	—	—	—	—	—	—	—	—	773	773	0.13	0.02	781

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Congregate Care (Assisted Living)	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Congregate Care (Assisted Living)	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Medical Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Congregate Care (Assisted Living)	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	7.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.54	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.71	0.21	23.2	< 0.005	0.02	—	0.02	0.02	—	0.02	—	74.7	74.7	< 0.005	< 0.005	75.0
Total	10.9	0.21	23.2	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	74.7	74.7	< 0.005	< 0.005	75.0

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	7.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.54	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	8.16	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	1.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.24	0.02	2.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.10	6.10	< 0.005	< 0.005	6.12
Total	1.73	0.02	2.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	6.10	6.10	< 0.005	< 0.005	6.12

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Medical Office Building	—	—	—	—	—	—	—	—	—	—	49.1	46.6	95.7	5.04	0.12	258
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	19.6	18.7	38.3	2.02	0.05	103
City Park	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	68.7	65.3	134	7.06	0.17	361
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	—	—	—	—	—	—	—	—	—	—	49.1	46.6	95.7	5.04	0.12	258
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	19.6	18.7	38.3	2.02	0.05	103
City Park	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	68.7	65.3	134	7.06	0.17	361
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	—	—	—	—	—	—	—	—	—	—	8.12	7.72	15.8	0.83	0.02	42.6
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	3.25	3.09	6.34	0.33	0.01	17.1
City Park	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	11.4	10.8	22.2	1.17	0.03	59.7

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	—	—	—	—	—	—	—	—	—	—	1,188	0.00	1,188	119	0.00	4,155
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	401	0.00	401	40.0	0.00	1,402
City Park	—	—	—	—	—	—	—	—	—	—	0.28	0.00	0.28	0.03	0.00	0.97
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	1,588	0.00	1,588	159	0.00	5,558
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	—	—	—	—	—	—	—	—	—	—	1,188	0.00	1,188	119	0.00	4,155
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	401	0.00	401	40.0	0.00	1,402

City Park	—	—	—	—	—	—	—	—	—	—	0.28	0.00	0.28	0.03	0.00	0.97
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	1,588	0.00	1,588	159	0.00	5,558
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	—	—	—	—	—	—	—	—	—	—	197	0.00	197	19.7	0.00	688
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	66.3	0.00	66.3	6.63	0.00	232
City Park	—	—	—	—	—	—	—	—	—	—	0.05	0.00	0.05	< 0.005	0.00	0.16
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	263	0.00	263	26.3	0.00	920

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.21
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.92

City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.14
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.21
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.92
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.14
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Medical Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.86
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.32
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.18

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.11	0.31	0.28	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	56.5	56.5	< 0.005	< 0.005	56.7
Total	0.11	0.31	0.28	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	56.5	56.5	< 0.005	< 0.005	56.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.11	0.31	0.28	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	56.5	56.5	< 0.005	< 0.005	56.7
Total	0.11	0.31	0.28	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	56.5	56.5	< 0.005	< 0.005	56.7

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.02	0.06	0.05	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	9.71	9.71	< 0.005	< 0.005	9.74
Total	0.02	0.06	0.05	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	9.71	9.71	< 0.005	< 0.005	9.74

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	5/1/2026	6/11/2026	5.00	30.0	—
Grading	Grading	6/12/2026	7/9/2026	5.00	20.0	—
Building Construction	Building Construction	7/10/2026	8/19/2027	5.00	290	—
Paving	Paving	8/20/2027	9/2/2027	5.00	10.0	—
Architectural Coating	Architectural Coating	2/22/2027	9/3/2027	5.00	140	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 2	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 2	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Tier 2	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 2	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 2	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 2	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 2	2.00	8.00	84.0	0.37
Grading	Off-Highway Trucks	Diesel	Tier 2	1.00	8.00	376	0.38
Building Construction	Cranes	Diesel	Tier 2	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 2	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 2	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 2	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 2	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 2	2.00	8.00	81.0	0.42

Paving	Paving Equipment	Diesel	Tier 2	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 2	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 2	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	11.9	LDA,LDT1,LDT2
Site Preparation	Vendor	—	9.10	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	22.5	11.9	LDA,LDT1,LDT2
Grading	Vendor	—	9.10	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	247	11.9	LDA,LDT1,LDT2
Building Construction	Vendor	60.4	9.10	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	11.9	LDA,LDT1,LDT2
Paving	Vendor	—	9.10	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT

Architectural Coating	—	—	—	—
Architectural Coating	Worker	49.3	11.9	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	9.10	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	306,504	102,168	306,060	102,020	14,090

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	45.0	0.00	—
Grading	0.00	0.00	60.0	0.00	—
Paving	0.00	0.00	0.00	0.00	5.39

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Medical Office Building	0.00	0%
Congregate Care (Assisted Living)	—	0%
City Park	0.00	0%
Parking Lot	5.39	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	204	0.03	< 0.005
2027	0.00	204	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Medical Office Building	2,029	2,029	2,029	740,575	20,966	20,966	20,966	7,652,726
Congregate Care (Assisted Living)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Congregate Care (Assisted Living)	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
306504	102,168	306,060	102,020	14,090

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Medical Office Building	5,996,810	204	0.0330	0.0040	0.00
Congregate Care (Assisted Living)	2,157,160	204	0.0330	0.0040	0.00
City Park	0.00	204	0.0330	0.0040	0.00
Parking Lot	205,713	204	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Medical Office Building	25,603,049	0.00
Congregate Care (Assisted Living)	10,249,791	0.00
City Park	0.00	0.00
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Medical Office Building	2,204	—
Congregate Care (Assisted Living)	743	—
City Park	0.52	—
Parking Lot	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Medical Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
Medical Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Congregate Care (Assisted Living)	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Congregate Care (Assisted Living)	Household refrigerators and/or freezers	R-134a	1,430	0.22	0.60	0.00	1.00
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	1.00	0.19	72.0	354	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

Screen	Justification

Land Use	the proposed project would involve the construction of wellness care and outpatient treatment centers (total of 204,040 sq ft, 4 buildings), transitional housing (total of 252 beds, 151,360 sq ft), 6 acres of recreational outdoor amenities, and a total of 599 surface parking spaces on an 18-acre project site
Construction: Construction Phases	No demolition required. Project is anticipated to start in May 2026 and occur for 18 months, ending in September 2027. Construction schedule was adjusted to reflect a 18-month duration, assuming overlap between building construction, paving, and architectural coating phases.
Construction: Off-Road Equipment	Default construction equipment with tier 2. An off-highway truck was added to represent water truck in the building construction phase per the applicant's request.
Operations: Vehicle Data	Based on the focused transportation analysis, which estimates that the proposed project would generate a total of 2,029 average daily trips Trip rate = 2,029 ADT/204.040 = 9.944
Operations: Hearths	assuming no wood-burning hearths
Operations: Emergency Generators and Fire Pumps	Project would include a 354-HP backup diesel generator that is estimated to run for approximately 3-days a year
Operations: Energy Use	Project would be designed to be all-electric. Electricity estimated were re-calculated to account increase in usage.

APPENDIX A-2

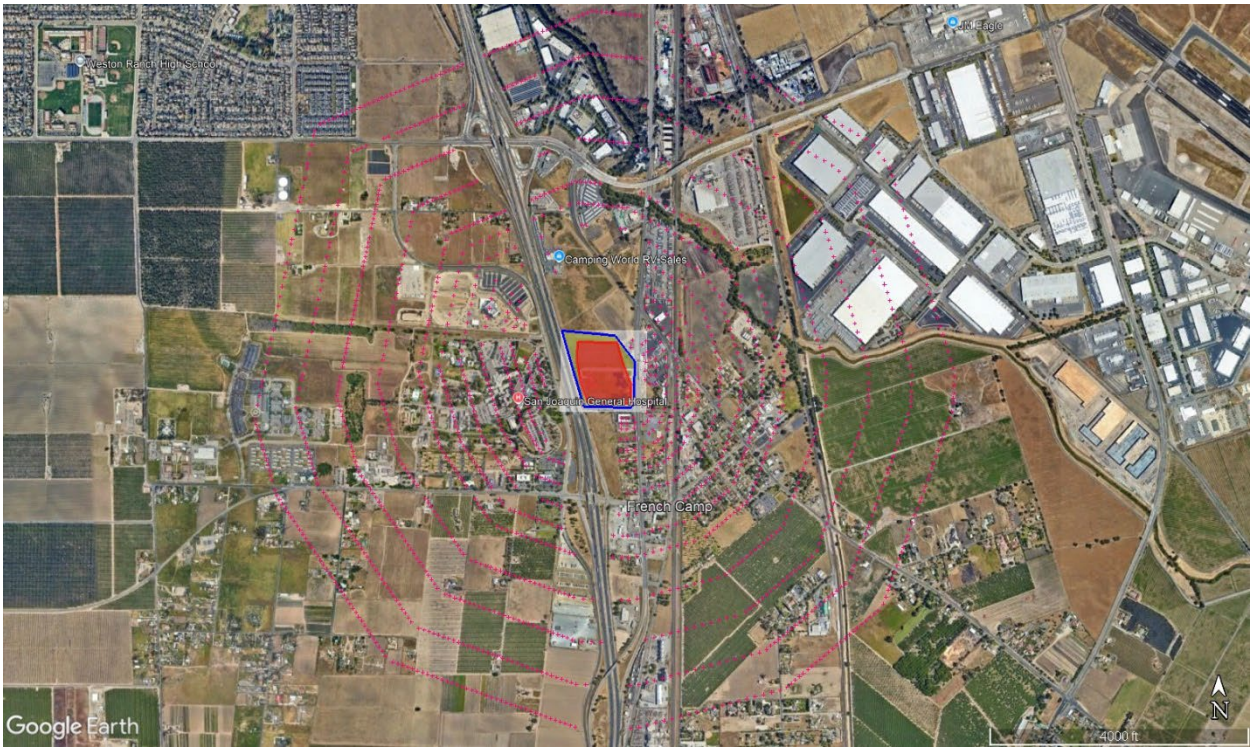
HEALTH RISK ASSESSMENT - CONSTRUCTION

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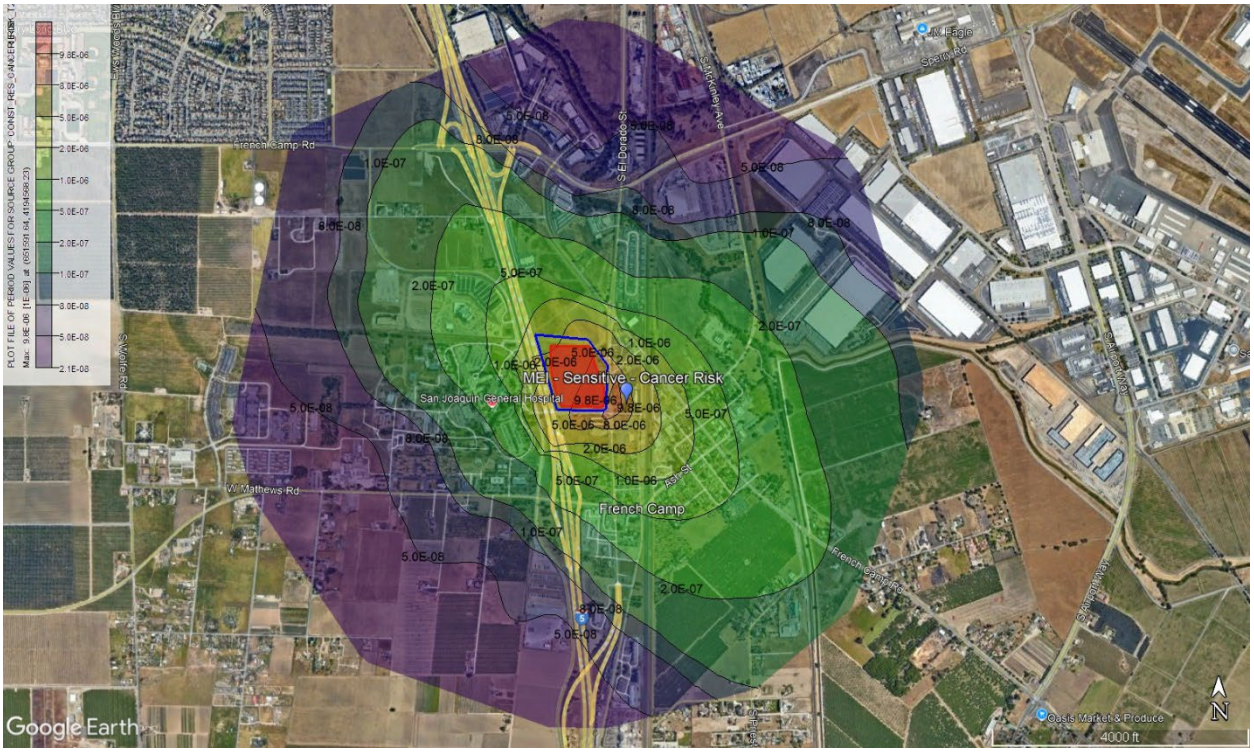
Project Location



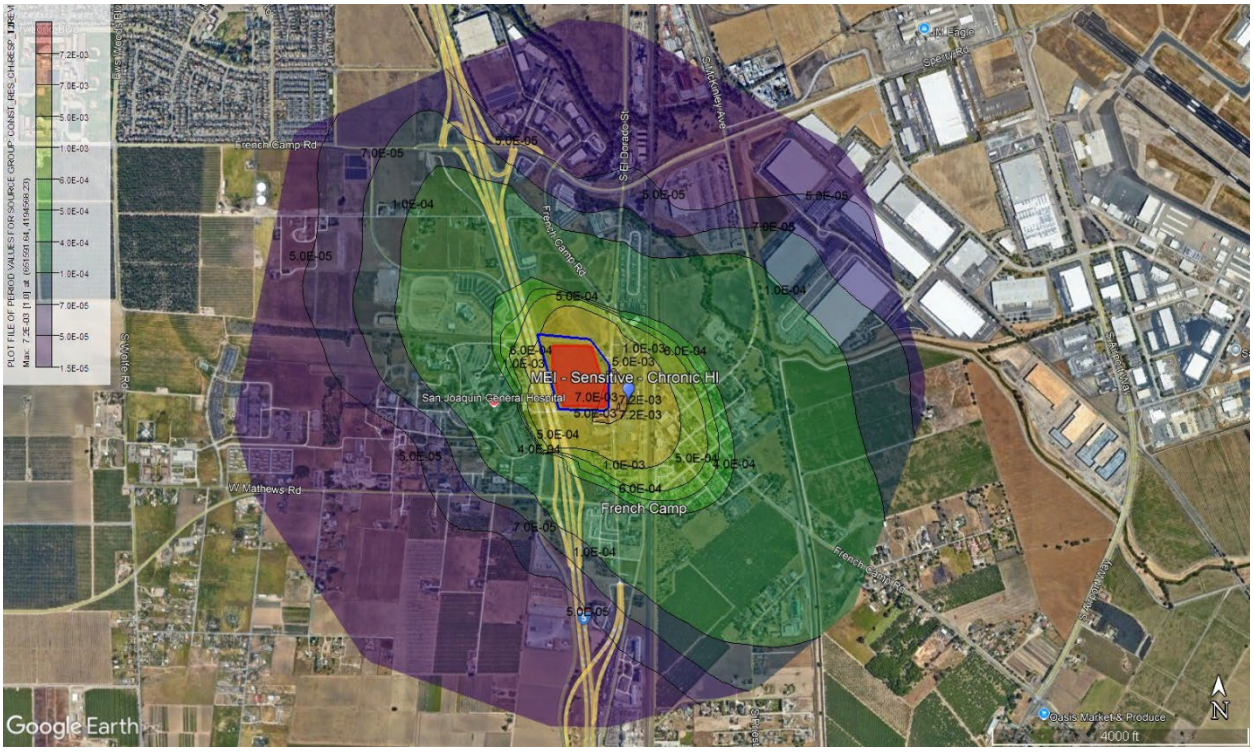
Receptor Grid



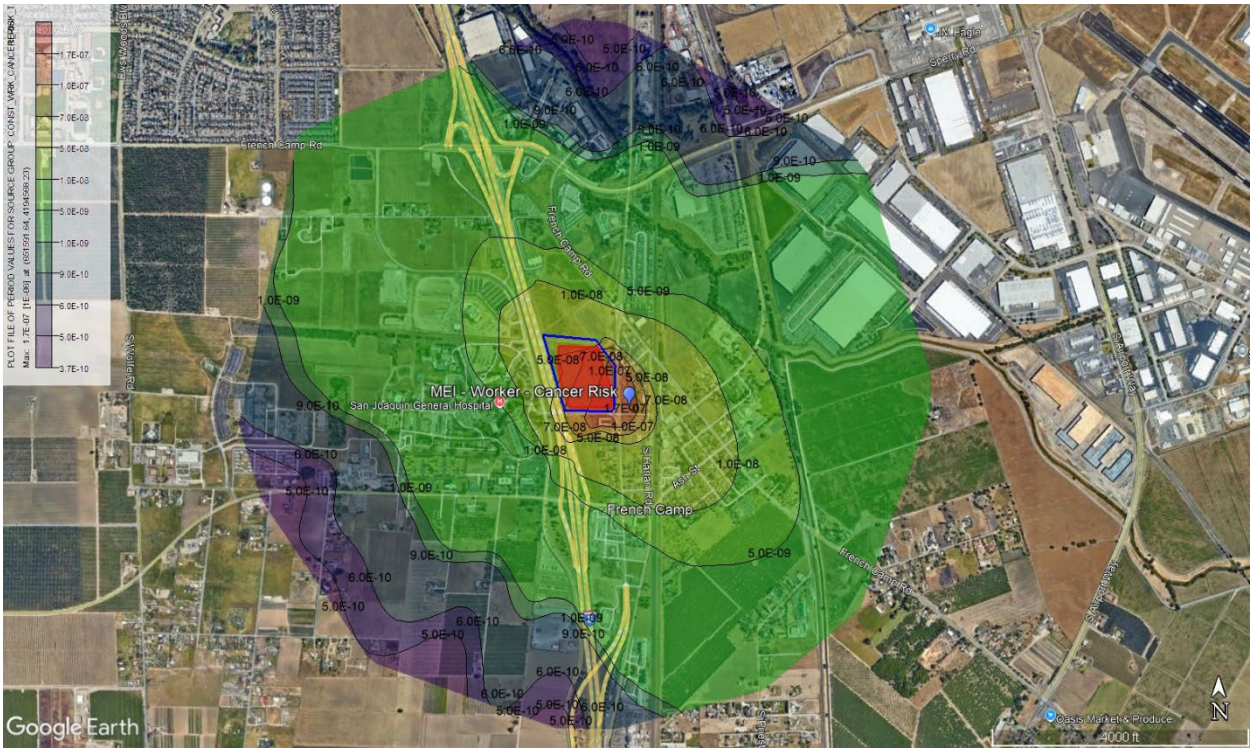
Construction Cancer Risk – Sensitive Receptor



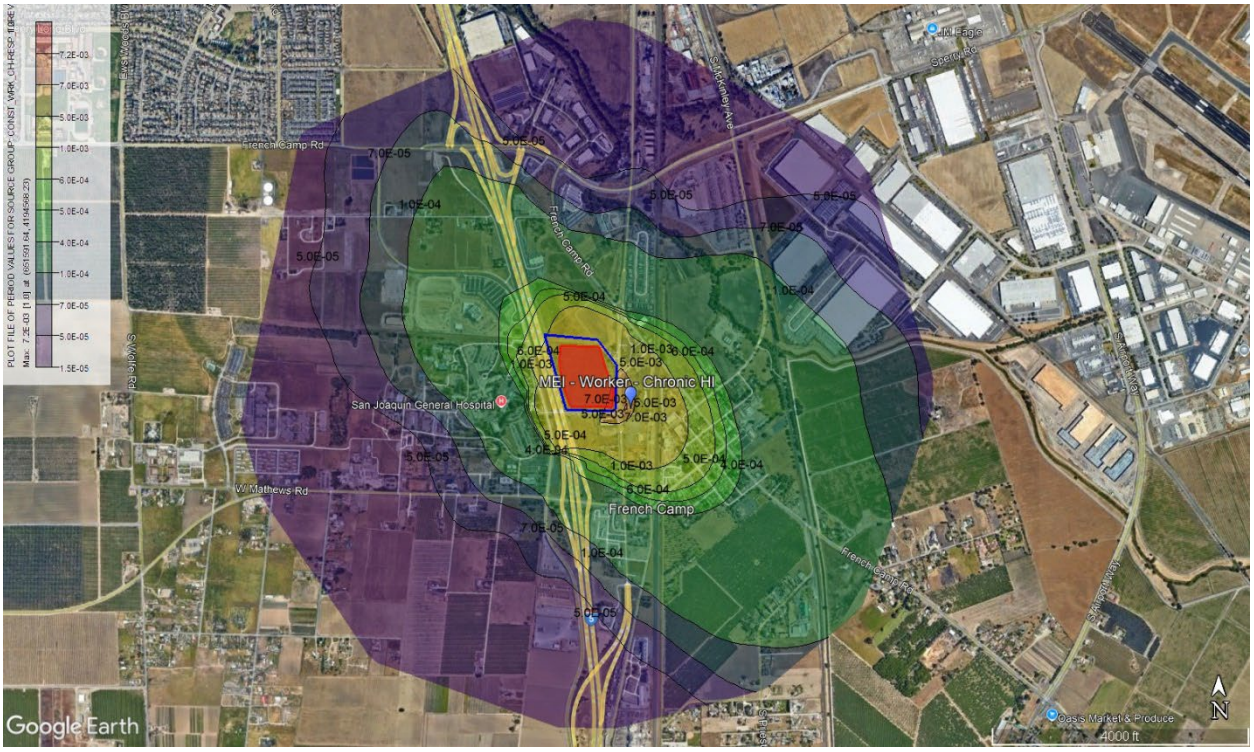
Construction Chronic Health Risk – Sensitive Receptor



Construction Cancer Risk – Worker Receptor



Construction Chronic Health Risk – Worker Receptor



Construction MEI (Sensitive) - Cancer Risk (in a Million) HARP Rec #: 363 X: 651616.43 Y: 4194587.11			
T2	T3L3	T4	T2Revised
7.69	1.30	0.68	7.84
MEI (Sensitive) - Chronic Hazard Index HARP Rec #: 363 X: 651616.43 Y: 4194587.11			
T2	T3L3	T4	T2Revised
5.60E-03	9.28E-04	5.11E-04	5.78E-03
MEI (Sensitive) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T3L3	T4	T2Revised
0.00E+00	0.00E+00	0.00E+00	0.00E+00
MEI (Sensitive) - PM 2.5 HARP Rec #: 1 X: 0 Y: 0			
T2	T3L3	T4	T2Revised
0.000	0.000	0.000	0.000

Construction MEI (Worker) - Cancer Risk (in a Million) HARP Rec #: 362 X: 651591.64 Y: 4194568.23			
T2	T3L3	T4	T2Revised
0.17	0.03	0.02	0.17
MEI (Worker) - Chronic Hazard Index HARP Rec #: 362 X: 651591.64 Y: 4194568.23			
T2	T3L3	T4	T2Revised
7.02E-03	1.16E-03	6.40E-04	7.24E-03
MEI (Worker) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T3L3	T4	T2Revised
0.00E+00	0.00E+00	0.00E+00	0.00E+00
MEI (Worker) - PM 2.5 HARP Rec #: 1 X: 0 Y: 0			
T2	T3L3	T4	T2Revised
0.000	0.000	0.000	0.000

Construction MEI (School) - Cancer Risk (in a Million) HARP Rec #: 1 X: 0 Y: 0			
T2	T3L3	T4	T2Revised
0.00	0.00	0.00	0.00
MEI (School) - Chronic Hazard Index HARP Rec #: 1 X: 0 Y: 0			
T2	T3L3	T4	T2Revised
0.00E+00	0.00E+00	0.00E+00	0.00E+00
MEI (School) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T3L3	T4	T2Revised
0.00E+00	0.00E+00	0.00E+00	0.00E+00
MEI (School) - PM 2.5 HARP Rec #: 1 X: 0 Y: 0			
T2	T3L3	T4	T2Revised
0.0000	0.0000	0.0000	0.0000

Operational Sensitive Receptor			
Parameter	**HARP Rec #**	**X & Y Coordinate**	**Result**
30 Yr Cancer Risk (in a Million)	0	0 0	0.00
70 Yr Cancer Risk (in a Million)	0	0 0	0.00
Chronic HI	0	0 0	0.00E+00
Acute HI	0	0 0	0.00E+00
PM 2.5	0	0 0	0.0000

Operational Worker Receptor			
Parameter	**HARP Rec #**	**X & Y Coordinate**	**Result**
25 Yr Cancer Risk (in a Million)	0	0 0	0.00
Chronic HI	0	0 0	0.00E+00
Acute HI	0	0 0	0.00E+00
PM 2.5	0	0 0	0.00E+00

Operational School Receptor			
Parameter	**HARP Rec #**	**X & Y Coordinate**	**Result**
9 Yr Cancer Risk (in a Million)	0	0 0	0.00
Chronic HI	0	0 0	0.00E+00
Acute HI	0	0 0	0.00E+00
PM 2.5	0	0 0	0.0000

Description	Receptor Type	Model Type	UTM X	UTM Y	Latitude	Longitude
Construction	Sensitive	Cancer Risk	651616.43	4194587.11	37.88617452	-121.2758351
Construction	Sensitive	Chronic HI	651616.43	4194587.11	37.88617452	-121.2758351
Construction	Sensitive	Acute HI	0	0		
Construction	Sensitive	PM 2.5	0.00	0.00		
Construction	School	Cancer Risk	0.00	0.00		
Construction	School	Chronic HI	0.00	0.00		
Construction	School	Acute HI	0	0		
Construction	School	PM 2.5	0.00	0.00		
Construction	Worker	Cancer Risk	651591.64	4194568.23	37.88600855	-121.2761209
Construction	Worker	Chronic HI	651591.64	4194568.23	37.88600855	-121.2761209
Construction	Worker	Acute HI	0	0		
Construction	Worker	PM 2.5	0.00	0.00		

General AERMOD Input Parameters			
Project Boundary			
	Based on site plan		
Project Elevation Data			
	Source	**Lakes Environmental**	
	Link	http://www.webgis.com/terraindata.html	
	Evel Data Descr.	**7.5 min DEM**	
Project Receptor Grid			
	Telescoping Grid	Spacing (m)	Distance (m)
	Grid 1	**25**	**100**
	Grid 2	**50**	**200**
	Grid 3	**100**	**400**
	Grid 4	**200**	**800**
	Comments	**Receptors on roads or paring lot areas have been removed.**	
Meteorological Dataset			
	Location	**Stockton Apt**	
	Provided By	**SJVAPCD**	
	Years	**2018 - 2022**	
	Elevation (m)	**18**	
	Link		
Construction Modeling Specific Inputs			
AERMOD Input Options			
	Regulatory Options	**Default**	
	Pollutant Type	**Other**	
	Averaging Period	**Period & Hourly**	
	Dispersion Coefficient	**Rural**	
	County	**San Joaquin**	
	Urban Grouping / Pop	**N**	
	# of Worker Receptors	**1,748**	
	# of Sensitive Receptors		
	# of School Receptors		
Construction Area Parameters			
	Source Type	**Polygon Area**	
	Project Area (m^2)	**61,418**	
	Ht. of Source (m)	**3.048**	

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

			T2		367	T3L3			T4			T2Revised		
					7.69E-06			1.30E-06			6.84E-07			7.84E-06
					4194587.11									
	UTM X	UTM Y	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total
1	651522.68	4194836.21	3.00E-06	2.45E-06	5.45E-06	4.97E-07	4.25E-07	9.23E-07	2.74E-07	2.11E-07	4.85E-07	3.10E-06	2.46E-06	5.56E-06
2	651528.84	4194868.8	1.70E-06	1.39E-06	3.10E-06	2.83E-07	2.42E-07	5.24E-07	1.56E-07	1.20E-07	2.75E-07	1.76E-06	1.40E-06	3.16E-06
3	651582.79	4194800.3	2.27E-06	1.85E-06	4.12E-06	3.76E-07	3.22E-07	6.98E-07	2.07E-07	1.60E-07	3.67E-07	2.34E-06	1.86E-06	4.20E-06
4	651575.45	4194850.02	1.49E-06	1.22E-06	2.70E-06	2.47E-07	2.11E-07	4.58E-07	1.36E-07	1.05E-07	2.41E-07	1.54E-06	1.22E-06	2.76E-06
5	651602.43	4194815.76	1.66E-06	1.36E-06	3.02E-06	2.76E-07	2.36E-07	5.11E-07	1.52E-07	1.17E-07	2.69E-07	1.72E-06	1.36E-06	3.08E-06
6	651595.09	4194865.49	1.12E-06	9.14E-07	2.03E-06	1.86E-07	1.59E-07	3.44E-07	1.02E-07	7.88E-08	1.81E-07	1.16E-06	9.17E-07	2.07E-06
7	651622.07	4194831.23	1.27E-06	1.04E-06	2.31E-06	2.10E-07	1.80E-07	3.90E-07	1.16E-07	8.93E-08	2.05E-07	1.31E-06	1.04E-06	2.35E-06
8	651607.4	4194930.68	5.89E-07	4.81E-07	1.07E-06	9.77E-08	8.36E-08	1.81E-07	5.38E-08	4.15E-08	9.52E-08	6.08E-07	4.83E-07	1.09E-06
9	651634.38	4194896.42	7.06E-07	5.77E-07	1.28E-06	1.17E-07	1.00E-07	2.17E-07	6.44E-08	4.97E-08	1.14E-07	7.29E-07	5.78E-07	1.31E-06
10	651661.35	4194862.17	8.10E-07	6.61E-07	1.47E-06	1.34E-07	1.15E-07	2.49E-07	7.39E-08	5.70E-08	1.31E-07	8.36E-07	6.63E-07	1.50E-06
11	651588.44	4195022.46	2.96E-07	2.41E-07	5.37E-07	4.90E-08	4.19E-08	9.09E-08	2.70E-08	2.08E-08	4.78E-08	3.05E-07	2.42E-07	5.47E-07
12	651619.7	4194995.87	3.45E-07	2.82E-07	6.28E-07	5.73E-08	4.90E-08	1.06E-07	3.15E-08	2.43E-08	5.58E-08	3.57E-07	2.83E-07	6.40E-07
13	651646.68	4194961.61	4.19E-07	3.42E-07	7.61E-07	6.95E-08	5.94E-08	1.29E-07	3.82E-08	2.95E-08	6.77E-08	4.32E-07	3.43E-07	7.76E-07
14	651673.66	4194927.36	4.92E-07	4.02E-07	8.95E-07	8.16E-08	6.98E-08	1.51E-07	4.49E-08	3.47E-08	7.96E-08	5.08E-07	4.03E-07	9.12E-07
15	651700.63	4194893.1	5.63E-07	4.60E-07	1.02E-06	9.33E-08	7.98E-08	1.73E-07	5.13E-08	3.96E-08	9.09E-08	5.81E-07	4.61E-07	1.04E-06
16	651627.72	4195053.39	2.30E-07	1.88E-07	4.18E-07	3.81E-08	3.26E-08	7.07E-08	2.10E-08	1.62E-08	3.71E-08	2.37E-07	1.88E-07	4.26E-07
17	651592.17	4195072.32	2.10E-07	1.72E-07	3.82E-07	3.48E-08	2.98E-08	6.46E-08	1.92E-08	1.48E-08	3.40E-08	2.17E-07	1.72E-07	3.89E-07
18	651658.98	4195026.8	2.66E-07	2.17E-07	4.83E-07	4.40E-08	3.77E-08	8.17E-08	2.42E-08	1.87E-08	4.29E-08	2.74E-07	2.18E-07	4.92E-07
19	651685.96	4194992.55	3.17E-07	2.59E-07	5.76E-07	5.26E-08	4.50E-08	9.75E-08	2.89E-08	2.23E-08	5.13E-08	3.27E-07	2.60E-07	5.87E-07
20	651712.94	4194958.29	3.67E-07	3.00E-07	6.68E-07	6.09E-08	5.21E-08	1.13E-07	3.35E-08	2.59E-08	5.94E-08	3.79E-07	3.01E-07	6.80E-07
21	651739.91	4194924.04	4.15E-07	3.39E-07	7.55E-07	6.89E-08	5.89E-08	1.28E-07	3.79E-08	2.92E-08	6.71E-08	4.29E-07	3.40E-07	7.69E-07
22	651667	4195084.33	1.85E-07	1.51E-07	3.36E-07	3.06E-08	2.62E-08	5.68E-08	1.69E-08	1.30E-08	2.99E-08	1.91E-07	1.51E-07	3.42E-07
23	651631.45	4195103.25	1.69E-07	1.38E-07	3.07E-07	2.81E-08	2.40E-08	5.20E-08	1.54E-08	1.19E-08	2.73E-08	1.75E-07	1.39E-07	3.13E-07
24	651595.9	4195122.18	1.58E-07	1.29E-07	2.88E-07	2.63E-08	2.25E-08	4.87E-08	1.44E-08	1.11E-08	2.56E-08	1.63E-07	1.30E-07	2.93E-07
25	651698.26	4195057.74	2.12E-07	1.73E-07	3.86E-07	3.52E-08	3.01E-08	6.53E-08	1.94E-08	1.49E-08	3.43E-08	2.19E-07	1.74E-07	3.93E-07
26	651725.24	4195023.48	2.51E-07	2.05E-07	4.56E-07	4.16E-08	3.56E-08	7.72E-08	2.29E-08	1.77E-08	4.06E-08	2.59E-07	2.06E-07	4.65E-07
27	651752.22	4194989.23	2.87E-07	2.35E-07	5.22E-07	4.77E-08	4.08E-08	8.84E-08	2.62E-08	2.02E-08	4.65E-08	2.97E-07	2.35E-07	5.32E-07
28	651779.19	4194954.97	3.21E-07	2.62E-07	5.83E-07	5.32E-08	4.55E-08	9.88E-08	2.93E-08	2.26E-08	5.19E-08	3.31E-07	2.63E-07	5.94E-07
29	651744.38	4195146.83	1.29E-07	1.05E-07	2.34E-07	2.14E-08	1.83E-08	3.97E-08	1.18E-08	9.07E-09	2.08E-08	1.33E-07	1.06E-07	2.39E-07
30	651706.46	4195167.02	1.17E-07	9.55E-08	2.12E-07	1.94E-08	1.66E-08	3.60E-08	1.07E-08	8.23E-09	1.89E-08	1.21E-07	9.58E-08	2.17E-07
31	651668.54	4195187.2	1.09E-07	8.88E-08	1.97E-07	1.80E-08	1.54E-08	3.34E-08	9.92E-09	7.65E-09	1.76E-08	1.12E-07	8.90E-08	2.01E-07
32	651630.62	4195207.39	1.05E-07	8.55E-08	1.90E-07	1.74E-08	1.48E-08	3.22E-08	9.56E-09	7.37E-09	1.69E-08	1.08E-07	8.58E-08	1.94E-07
33	651592.7	4195227.58	1.03E-07	8.45E-08	1.88E-07	1.71E-08	1.47E-08	3.18E-08	9.44E-09	7.28E-09	1.67E-08	1.07E-07	8.47E-08	1.91E-07
34	651776.82	4195119.61	1.48E-07	1.21E-07	2.68E-07	2.45E-08	2.09E-08	4.54E-08	1.35E-08	1.04E-08	2.38E-08	1.52E-07	1.21E-07	2.73E-07
35	651803.8	4195085.35	1.72E-07	1.40E-07	3.12E-07	2.85E-08	2.43E-08	5.28E-08	1.57E-08	1.21E-08	2.77E-08	1.77E-07	1.41E-07	3.18E-07
36	651830.78	4195051.1	1.93E-07	1.58E-07	3.51E-07	3.21E-08	2.74E-08	5.95E-08	1.76E-08	1.36E-08	3.13E-08	2.00E-07	1.58E-07	3.58E-07
37	651857.76	4195016.85	2.12E-07	1.73E-07	3.85E-07	3.51E-08	3.00E-08	6.51E-08	1.93E-08	1.49E-08	3.42E-08	2.18E-07	1.73E-07	3.92E-07
38	651823.19	4195208.57	9.75E-08	7.96E-08	1.77E-07	1.62E-08	1.38E-08	3.00E-08	8.90E-09	6.86E-09	1.58E-08	1.01E-07	7.99E-08	1.81E-07
39	651785.77	4195228.49	8.83E-08	7.21E-08	1.60E-07	1.46E-08	1.25E-08	2.72E-08	8.06E-09	6.21E-09	1.43E-08	9.12E-08	7.23E-08	1.64E-07
40	651748.35	4195248.41	8.11E-08	6.62E-08	1.47E-07	1.34E-08	1.15E-08	2.49E-08	7.40E-09	5.70E-09	1.31E-08	8.37E-08	6.64E-08	1.50E-07
41	651710.92	4195268.33	7.67E-08	6.27E-08	1.39E-07	1.27E-08	1.09E-08	2.36E-08	7.00E-09	5.40E-09	1.24E-08	7.92E-08	6.29E-08	1.42E-07
42	651673.5	4195288.25	7.54E-08	6.16E-08	1.37E-07	1.25E-08	1.07E-08	2.32E-08	6.88E-09	5.31E-09	1.22E-08	7.79E-08	6.18E-08	1.40E-07
43	651636.08	4195308.17	7.61E-08	6.22E-08	1.38E-07	1.26E-08	1.08E-08	2.34E-08	6.95E-09	5.36E-09	1.23E-08	7.86E-08	6.24E-08	1.41E-07
44	651598.66	4195328.09	7.70E-08	6.28E-08	1.40E-07	1.28E-08	1.09E-08	2.37E-08	7.02E-09	5.41E-09	1.24E-08	7.94E-08	6.30E-08	1.42E-07
45	651855.39	4195181.48	1.11E-07	9.04E-08	2.01E-07	1.83E-08	1.57E-08	3.40E-08	1.01E-08	7.78E-09	1.79E-08	1.14E-07	9.06E-08	2.05E-07
46	651882.36	4195147.23	1.27E-07	1.04E-07	2.31E-07	2.10E-08	1.80E-08	3.90E-08	1.16E-08	8.93E-09	2.05E-08	1.31E-07	1.04E-07	2.35E-07
47	651909.34	4195112.97	1.41E-07	1.15E-07	2.57E-07	2.34E-08	2.00E-08	4.34E-08	1.29E-08	9.94E-09	2.28E-08	1.46E-07	1.16E-07	2.61E-07
48	651936.32	4195078.72	1.52E-07	1.24E-07	2.77E-07	2.53E-08	2.16E-08	4.69E-08	1.39E-08	1.07E-08	2.46E-08	1.57E-07	1.25E-07	2.82E-07
49	651901.91	4195270.35	7.77E-08	6.35E-08	1.41E-07	1.29E-08	1.10E-08	2.39E-08	7.09E-09	5.47E-09	1.26E-08	8.02E-08	6.37E-08	1.44E-07
50	651864.82	4195290.1	7.06E-08	5.76E-08	1.28E-07	1.17E-08	1.00E-08	2.17E-08	6.44E-09	4.96E-09	1.14E-08	7.28E-08	5.78E-08	1.31E-07
51	651827.72	4195309.85	6.44E-08	5.26E-08	1.17E-07	1.07E-08	9.13E-09	1.98E-08	5.87E-09	4.53E-09	1.04E-08	6.64E-08	5.27E-08	1.19E-07
52	651790.62	4195329.6	5.98E-08	4.89E-08	1.09E-07	9.92E-09	8.48E-09	1.84E-08	5.46E-09	4.21E-09	9.67E-09	6.17E-08	4.90E-08	1.11E-07
53	651753.53	4195349.34	5.74E-08	4.69E-08	1.04E-07	9.52E-09	8.14E-09	1.77E-08	5.24E-09	4.04E-09	9.28E-09	5.93E-08	4.70E-08	1.06E-07
54	651716.43	4195369.09	5.72E-08	4.67E-08	1.04E-07	9.48E-09	8.11E-09	1.76E-08	5.22E-09	4.03E-09	9.25E-09	5.91E-08	4.69E-08	1.06E-07
55	651679.34	4195388.84	5.85E-08	4.78E-08	1.06E-07	9.70E-09	8.29E-09	1.80E-08	5.34E-09	4.12E-09	9.45E-09	6.04E-08	4.79E-08	1.08E-07
56	651642.24	4195408.59	6.01E-08	4.91E-08	1.09E-07	9.96E-09	8.52E-09	1.85E-08	5.48E-09	4.23E-09	9.71E-09	6.20E-08	4.92E-08	1.11E-07
57	651605.15	4195428.33	6.07E-08	4.96E-08	1.10E-07	1.01E-08	8.61E-09	1.87E-08	5.54E-09	4.27E-09	9.81E-09	6.26E-08	4.97E-08	1.12E-07
58	651568.05	4195448.08	5.94E-08	4.85E-08	1.08E-07	9.84E-09	8.42E-09	1.83E-08	5.42E-09	4.18E-09	9.60E-09	6.13E-08	4.86E-08	1.10E-07
59	651530.96	4195467.83	5.62E-08	4.59E-08	1.02E-07	9.32E-09	7.97E-09	1.73E-08	5.13E-09	3.96E-09	9.09E-09	5.80E-08	4.61E-08	1.04E-07
60	651933.95	4195243.35	8.73E-08	7.13E-08	1.59E-07	1.45E-08	1.24E-08	2.68E-08	7.96E-09	6.14E-09	1.41E-08	9.01E-08	7.15E-08	1.62E-07
61	651960.92	4195209.1	9.87E-08	8.06E-08	1.79E-07	1.64E-08	1.40E-08	3.04E-08	9.01E-09	6.95E-09	1.60E-08	1.02E-07	8.09E-08	1.83E-07
62	651987.9	4195174.84	1.09E-07	8.88E-08	1.98E-07	1.80E-08	1.54E-08	3.34E-08	9.92E-09	7.65E-09	1.76E-08	1.12E-07	8.91E-08	2.01E-07
63	652014.88	4195140.59	1.16E-07	9.51E-08	2.11E-07	1.93E-08	1.65E-08	3.58E-08	1.06E-08	8.19E-09	1.88E-08	1.20E-07	9.54E-08	2.16E-07
64	651979.88	4195332.54	6.41E-08	5.23E-08	1.16E-07	1.06E-08	9.09E-09	1.97E-08	5.85E-09	4.51E-09	1.04E-08	6.62E-08	5.25E-08	1.19E-07
65	651941.59	4195352.92	5.84E-08	4.77E-08	1.06E-07	9.67E-09	8.27E-09	1.79E-08	5.32E-09	4.11E-09	9.43E-09	6.02E-08	4.78E-08	1.08E-07
66	651903.31	4195373.3	5.31E-08	4.33E-08	9.64E-08	8.80E-09	7.53E-09	1.63E-08	4.84E-09	3.73E-09	8.58E-09	5.48E-08	4.35E-08	9.83E-08
67	651865.03	4195393.68	4.87E-08	3.98E-08	8.85E-08	8.08E-09	6.91E-09	1.50E-08	4.45E-09	3.43E-09	7.88E-09	5.03E-08	3.99E-08	9.02E-08
68	651826.74	4195414.06	4.58E-08	3.74E-08	8.33E-08	7.60E-09	6.50E-09	1.41E-08	4.18E-09	3.23E-09	7.41E-09	4.73E-08	3.76E-08	8.49E-08
69	651788.46	4195434.44	4.48E-08	3.66E-08	8.13E-08	7.42E-09	6.35E-09	1.38E-08	4.08E-09	3.15E-09	7.23E-09	4.62E-08	3.67E-08	8.29E-08
70	651750.17	4195454.82	4.55E-08	3.71E-08	8.26E-08	7.54E-09	6.45E-09	1.40E-08	4.15E-09	3.20E-09	7.35E-09	4.69E-08	3.72E-08	8.42E-08
71	651711.89	4195475.21	4.72E-08	3.86E-08	8.58E-08	7.83E-09	6.70E-09	1.45E-08	4.31E-09	3.32E-09	7.63E-09	4.88E-08	3.87E-08	8.75E-08
72	651673.6	4195495.59	4.89E-08	4.00E-08	8.89E-08	8.11E-09	6.94E-09	1.51E-08	4.47E-09	3.44E-09	7.91E-09	5.05E-08	4.01E-08	9.06E-08
73	651635.32	4195515.97	4.97E-08	4.06E-08	9.02E-08	8.23E-09	7.04E-09	1.53E-08	4.53E-09	3.49E-09	8.03E-09	5.13E-08	4.07E-08	9.19E-08
74	651597.03	4195536.35	4.89E-08	3.99E-08	8.88E-08	8.10E-09	6.93E-09	1.50E-08	4.46E-09	3.44E-09	7.90E-09	5.04E-08	4.00E-08	9.05E-08
75	651558.75	4195556.73	4.65E-08	3.80E-08	8.45E-08	7.71E-09	6.59E-09	1.43E-08	4.24E-09	3.27E-09	7.52E-09	4.80E-08	3.81E-08	8.61E-08

76	652012.51	4195305.22	7.13E-08	5.82E-08	1.29E-07	1.18E-08	1.01E-08	2.19E-08	6.50E-09	5.01E-09	1.15E-08	7.35E-08	5.84E-08	1.32E-07
77	652039.49	4195270.97	7.96E-08	6.50E-08	1.45E-07	1.32E-08	1.13E-08	2.45E-08	7.26E-09	5.60E-09	1.29E-08	8.21E-08	6.52E-08	1.47E-07
78	652066.46	4195236.72	8.69E-08	7.10E-08	1.58E-07	1.44E-08	1.23E-08	2.67E-08	7.93E-09	6.12E-09	1.40E-08	8.97E-08	7.12E-08	1.61E-07
79	652093.44	4195202.46	9.28E-08	7.58E-08	1.69E-07	1.54E-08	1.32E-08	2.85E-08	8.47E-09	6.53E-09	1.50E-08	9.58E-08	7.60E-08	1.72E-07
80	652137.32	4195456.11	4.68E-08	3.82E-08	8.50E-08	7.76E-09	6.64E-09	1.44E-08	4.27E-09	3.29E-09	7.56E-09	4.83E-08	3.83E-08	8.67E-08
81	652099.68	4195476.15	4.35E-08	3.55E-08	7.90E-08	7.21E-09	6.17E-09	1.34E-08	3.97E-09	3.06E-09	7.03E-09	4.49E-08	3.56E-08	8.05E-08
82	652062.04	4195496.19	4.01E-08	3.28E-08	7.29E-08	6.65E-09	5.69E-09	1.23E-08	3.66E-09	2.82E-09	6.48E-09	4.14E-08	3.29E-08	7.43E-08
83	652024.4	4195516.23	3.68E-08	3.01E-08	6.69E-08	6.10E-09	5.22E-09	1.13E-08	3.36E-09	2.59E-09	5.95E-09	3.80E-08	3.02E-08	6.82E-08
84	651986.76	4195536.27	3.39E-08	2.77E-08	6.15E-08	5.61E-09	4.80E-09	1.04E-08	3.09E-09	2.38E-09	5.47E-09	3.50E-08	2.77E-08	6.27E-08
85	651949.12	4195556.3	3.16E-08	2.58E-08	5.73E-08	5.23E-09	4.48E-09	9.71E-09	2.88E-09	2.22E-09	5.10E-09	3.26E-08	2.59E-08	5.84E-08
86	651911.48	4195576.34	3.03E-08	2.47E-08	5.50E-08	5.02E-09	4.29E-09	9.31E-09	2.76E-09	2.13E-09	4.89E-09	3.13E-08	2.48E-08	5.61E-08
87	651873.84	4195596.38	3.01E-08	2.46E-08	5.47E-08	4.99E-09	4.27E-09	9.26E-09	2.75E-09	2.12E-09	4.87E-09	3.11E-08	2.47E-08	5.58E-08
88	651836.19	4195616.42	3.10E-08	2.53E-08	5.63E-08	5.14E-09	4.40E-09	9.53E-09	2.83E-09	2.18E-09	5.01E-09	3.20E-08	2.54E-08	5.74E-08
89	651798.55	4195636.46	3.25E-08	2.65E-08	5.90E-08	5.39E-09	4.61E-09	9.99E-09	2.96E-09	2.29E-09	5.25E-09	3.35E-08	2.66E-08	6.02E-08
90	651685.63	4195696.57	3.59E-08	2.93E-08	6.52E-08	5.95E-09	5.09E-09	1.10E-08	3.27E-09	2.52E-09	5.80E-09	3.70E-08	2.94E-08	6.64E-08
91	651647.99	4195716.61	3.55E-08	2.90E-08	6.45E-08	5.89E-09	5.03E-09	1.09E-08	3.24E-09	2.50E-09	5.74E-09	3.67E-08	2.91E-08	6.57E-08
92	651572.71	4195756.68	3.21E-08	2.62E-08	5.83E-08	5.32E-09	4.55E-09	9.87E-09	2.93E-09	2.26E-09	5.18E-09	3.31E-08	2.63E-08	5.94E-08
93	651535.07	4195776.72	2.96E-08	2.41E-08	5.37E-08	4.90E-09	4.19E-09	9.09E-09	2.70E-09	2.08E-09	4.78E-09	3.05E-08	2.42E-08	5.47E-08
94	652169.63	4195428.97	5.08E-08	4.15E-08	9.24E-08	8.43E-09	7.21E-09	1.56E-08	4.64E-09	3.58E-09	8.22E-09	5.25E-08	4.16E-08	9.41E-08
95	652196.61	4195394.71	5.57E-08	4.55E-08	1.01E-07	9.23E-09	7.90E-09	1.71E-08	5.08E-09	3.92E-09	9.00E-09	5.75E-08	4.56E-08	1.03E-07
96	652223.59	4195360.46	6.02E-08	4.92E-08	1.09E-07	9.99E-09	8.54E-09	1.85E-08	5.50E-09	4.24E-09	9.74E-09	6.22E-08	4.93E-08	1.12E-07
97	652250.56	4195326.2	6.41E-08	5.23E-08	1.16E-07	1.06E-08	9.08E-09	1.97E-08	5.85E-09	4.51E-09	1.04E-08	6.61E-08	5.25E-08	1.19E-07
98	652294.19	4195579.99	3.62E-08	2.95E-08	6.57E-08	5.99E-09	5.13E-09	1.11E-08	3.30E-09	2.54E-09	5.84E-09	3.73E-08	2.96E-08	6.69E-08
99	652256.04	4195600.3	3.41E-08	2.79E-08	6.20E-08	5.66E-09	4.84E-09	1.05E-08	3.12E-09	2.40E-09	5.52E-09	3.52E-08	2.80E-08	6.32E-08
100	652217.89	4195620.61	3.21E-08	2.62E-08	5.83E-08	5.31E-09	4.55E-09	9.86E-09	2.93E-09	2.26E-09	5.18E-09	3.31E-08	2.63E-08	5.94E-08
101	652179.74	4195640.92	2.99E-08	2.44E-08	5.42E-08	4.95E-09	4.23E-09	9.18E-09	2.72E-09	2.10E-09	4.82E-09	3.08E-08	2.45E-08	5.53E-08
102	652141.59	4195661.23	2.76E-08	2.25E-08	5.01E-08	4.57E-09	3.91E-09	8.48E-09	2.52E-09	1.94E-09	4.46E-09	2.85E-08	2.26E-08	5.11E-08
103	652103.44	4195681.54	2.54E-08	2.07E-08	4.61E-08	4.21E-09	3.60E-09	7.81E-09	2.32E-09	1.79E-09	4.10E-09	2.62E-08	2.08E-08	4.70E-08
104	652065.28	4195701.85	2.35E-08	1.92E-08	4.28E-08	3.90E-09	3.34E-09	7.24E-09	2.15E-09	1.66E-09	3.80E-09	2.43E-08	1.93E-08	4.36E-08
105	652027.13	4195722.16	2.24E-08	1.83E-08	4.06E-08	3.71E-09	3.17E-09	6.87E-09	2.04E-09	1.57E-09	3.61E-09	2.31E-08	1.83E-08	4.14E-08
106	651988.98	4195742.47	2.19E-08	1.79E-08	3.98E-08	3.63E-09	3.10E-09	6.73E-09	2.00E-09	1.54E-09	3.54E-09	2.26E-08	1.79E-08	4.05E-08
107	651874.53	4195803.4	2.44E-08	1.99E-08	4.43E-08	4.04E-09	3.46E-09	7.50E-09	2.23E-09	1.72E-09	3.94E-09	2.52E-08	2.00E-08	4.52E-08
108	651836.38	4195823.71	2.56E-08	2.09E-08	4.65E-08	4.24E-09	3.63E-09	7.87E-09	2.34E-09	1.80E-09	4.14E-09	2.64E-08	2.10E-08	4.74E-08
109	651798.23	4195844.02	2.66E-08	2.18E-08	4.84E-08	4.42E-09	3.78E-09	8.19E-09	2.43E-09	1.87E-09	4.31E-09	2.75E-08	2.18E-08	4.93E-08
110	651760.08	4195864.33	2.74E-08	2.24E-08	4.97E-08	4.54E-09	3.88E-09	8.42E-09	2.50E-09	1.93E-09	4.42E-09	2.82E-08	2.24E-08	5.07E-08
111	651721.93	4195884.64	2.76E-08	2.25E-08	5.01E-08	4.57E-09	3.91E-09	8.49E-09	2.52E-09	1.94E-09	4.46E-09	2.85E-08	2.26E-08	5.11E-08
112	651683.77	4195904.95	2.72E-08	2.22E-08	4.94E-08	4.50E-09	3.85E-09	8.36E-09	2.48E-09	1.91E-09	4.39E-09	2.80E-08	2.23E-08	5.03E-08
113	651645.62	4195925.25	2.62E-08	2.14E-08	4.76E-08	4.34E-09	3.71E-09	8.06E-09	2.39E-09	1.84E-09	4.23E-09	2.70E-08	2.15E-08	4.85E-08
114	651569.32	4195965.87	2.28E-08	1.86E-08	4.14E-08	3.78E-09	3.23E-09	7.01E-09	2.08E-09	1.60E-09	3.68E-09	2.35E-08	1.87E-08	4.22E-08
115	652326.76	4195552.71	3.87E-08	3.16E-08	7.03E-08	6.41E-09	5.48E-09	1.19E-08	3.53E-09	2.72E-09	6.25E-09	3.99E-08	3.17E-08	7.16E-08
116	652353.73	4195518.46	4.18E-08	3.42E-08	7.60E-08	6.93E-09	5.93E-09	1.29E-08	3.82E-09	2.94E-09	6.76E-09	4.32E-08	3.43E-08	7.74E-08
117	652380.71	4195484.2	4.49E-08	3.67E-08	8.16E-08	7.44E-09	6.37E-09	1.38E-08	4.10E-09	3.16E-09	7.26E-09	4.63E-08	3.68E-08	8.31E-08
118	652407.69	4195449.95	4.76E-08	3.89E-08	8.66E-08	7.90E-09	6.76E-09	1.47E-08	4.35E-09	3.35E-09	7.70E-09	4.92E-08	3.90E-08	8.82E-08
119	652451.53	4195703.62	2.91E-08	2.38E-08	5.28E-08	4.82E-09	4.12E-09	8.95E-09	2.65E-09	2.05E-09	4.70E-09	3.00E-08	2.38E-08	5.39E-08
120	652413.8	4195723.71	2.78E-08	2.27E-08	5.05E-08	4.61E-09	3.94E-09	8.55E-09	2.54E-09	1.96E-09	4.49E-09	2.87E-08	2.28E-08	5.15E-08
121	652376.07	4195743.79	2.65E-08	2.17E-08	4.82E-08	4.39E-09	3.76E-09	8.15E-09	2.42E-09	1.87E-09	4.28E-09	2.74E-08	2.17E-08	4.91E-08
122	652338.35	4195763.87	2.52E-08	2.05E-08	4.57E-08	4.17E-09	3.57E-09	7.74E-09	2.30E-09	1.77E-09	4.07E-09	2.60E-08	2.06E-08	4.66E-08
123	652300.62	4195783.96	2.37E-08	1.93E-08	4.30E-08	3.92E-09	3.36E-09	7.28E-09	2.16E-09	1.67E-09	3.82E-09	2.44E-08	1.94E-08	4.38E-08
124	652262.89	4195804.04	2.20E-08	1.80E-08	4.00E-08	3.65E-09	3.13E-09	6.78E-09	2.01E-09	1.55E-09	3.56E-09	2.28E-08	1.81E-08	4.08E-08
125	652225.17	4195824.12	2.04E-08	1.67E-08	3.70E-08	3.38E-09	2.89E-09	6.27E-09	1.86E-09	1.43E-09	3.29E-09	2.10E-08	1.67E-08	3.77E-08
126	652187.44	4195844.21	1.89E-08	1.54E-08	3.43E-08	3.13E-09	2.68E-09	5.81E-09	1.72E-09	1.33E-09	3.05E-09	1.95E-08	1.55E-08	3.50E-08
127	652074.26	4195904.46	1.70E-08	1.39E-08	3.09E-08	2.82E-09	2.41E-09	5.23E-09	1.55E-09	1.20E-09	2.75E-09	1.75E-08	1.39E-08	3.15E-08
128	652036.54	4195924.54	1.74E-08	1.42E-08	3.16E-08	2.88E-09	2.47E-09	5.35E-09	1.59E-09	1.22E-09	2.81E-09	1.80E-08	1.43E-08	3.22E-08
129	651998.81	4195944.62	1.81E-08	1.48E-08	3.29E-08	3.01E-09	2.57E-09	5.58E-09	1.65E-09	1.28E-09	2.93E-09	1.87E-08	1.49E-08	3.36E-08
130	651961.08	4195964.71	1.91E-08	1.56E-08	3.46E-08	3.16E-09	2.70E-09	5.86E-09	1.74E-09	1.34E-09	3.08E-09	1.97E-08	1.56E-08	3.53E-08
131	651923.36	4195984.79	1.99E-08	1.63E-08	3.62E-08	3.30E-09	2.82E-09	6.12E-09	1.82E-09	1.40E-09	3.22E-09	2.05E-08	1.63E-08	3.68E-08
132	651885.63	4196004.87	2.08E-08	1.69E-08	3.77E-08	3.44E-09	2.94E-09	6.38E-09	1.89E-09	1.46E-09	3.35E-09	2.14E-08	1.70E-08	3.84E-08
133	651847.9	4196024.96	2.15E-08	1.75E-08	3.90E-08	3.56E-09	3.05E-09	6.61E-09	1.96E-09	1.51E-09	3.47E-09	2.22E-08	1.76E-08	3.98E-08
134	651810.18	4196045.04	2.20E-08	1.80E-08	4.00E-08	3.65E-09	3.12E-09	6.77E-09	2.01E-09	1.55E-09	3.56E-09	2.27E-08	1.80E-08	4.07E-08
135	651772.45	4196065.12	2.23E-08	1.82E-08	4.04E-08	3.69E-09	3.16E-09	6.85E-09	2.03E-09	1.57E-09	3.60E-09	2.30E-08	1.82E-08	4.12E-08
136	651734.73	4196085.21	2.21E-08	1.81E-08	4.02E-08	3.67E-09	3.14E-09	6.80E-09	2.02E-09	1.56E-09	3.58E-09	2.28E-08	1.81E-08	4.10E-08
137	651697	4196105.29	2.15E-08	1.76E-08	3.91E-08	3.57E-09	3.05E-09	6.62E-09	1.96E-09	1.51E-09	3.48E-09	2.22E-08	1.76E-08	3.98E-08
138	651659.27	4196125.38	2.05E-08	1.67E-08	3.72E-08	3.40E-09	2.90E-09	6.30E-09	1.87E-09	1.44E-09	3.31E-09	2.11E-08	1.68E-08	3.79E-08
139	651621.55	4196145.46	1.92E-08	1.56E-08	3.48E-08	3.18E-09	2.72E-09	5.89E-09	1.75E-09	1.35E-09	3.10E-09	1.98E-08	1.57E-08	3.55E-08
140	652483.88	4195676.45	3.08E-08	2.52E-08	5.60E-08	5.11E-09	4.37E-09	9.47E-09	2.81E-09	2.17E-09	4.98E-09	3.18E-08	2.52E-08	5.70E-08
141	652510.86	4195642.2	3.30E-08	2.70E-08	6.00E-08	5.47E-09	4.68E-09	1.02E-08	3.01E-09	2.32E-09	5.33E-09	3.41E-08	2.70E-08	6.11E-08
142	652537.83	4195607.94	3.52E-08	2.88E-08	6.40E-08	5.84E-09	5.00E-09	1.08E-08	3.21E-09	2.48E-09	5.69E-09	3.64E-08	2.89E-08	6.52E-08
143	652564.81	4195573.69	3.73E-08	3.04E-08	6.77E-08	6.18E-09	5.29E-09	1.15E-08	3.40E-09	2.62E-09	6.02E-09	3.85E-08	3.05E-08	6.90E-08
144	652608.47	4195827.46	2.41E-08	1.97E-08	4.38E-08	4.00E-09	3.42E-09	7.41E-09	2.20E-09	1.70E-09	3.90E-09	2.49E-08	1.97E-08	4.46E-08
145	652570.38	4195847.74	2.32E-08	1.89E-08	4.21E-08	3.84E-09	3.29E-09	7.13E-09	2.12E-09	1.63E-09	3.75E-09	2.39E-08	1.90E-08	4.29E-08
146	652532.29	4195868.01	2.23E-08	1.82E-08	4.05E-08	3.70E-09	3.16E-09	6.86E-09	2.04E-09	1.57E-09	3.61E-09	2.30E-08	1.83E-08	4.13E-08
147	652494.2	4195888.29	2.14E-08	1.75E-08	3.90E-08	3.55E-09	3.04E-09	6.59E-09	1.96E-09	1.51E-09	3.47E-09	2.21E-08	1.76E-08	3.97E-08
148	652456.11	4195908.57	2.05E-08	1.67E-08	3.72E-08	3.40E-09	2.90E-09	6.30E-09	1.87E-09	1.44E-09	3.31E-09	2.11E-08	1.68E-08	3.79E-08
149	652418.02	4195928.84	1.94E-08	1.58E-08	3.52E-08	3.21E-09	2.75E-09	5.96E-09	1.77E-09	1.36E-09	3.13E-09	2.00E-08	1.59E-08	3.59E-08
150	652303.76	4195989.67	1.56E-08	1.28E-08	2.84E-08	2.59E-09	2.22E-09	4.81E-09	1.43E-09	1.10E-09	2.53E-09	1.61E-08	1.28E-08	2.89E-08
151	652265.67	4196009.95	1.46E-08	1.19E-08	2.65E-08	2.42E-09	2.07E-09	4.49E-09	1.33E-09	1.03E-09	2.36E-09	1.51E-08	1.20E-08	2.70E-08
152	652227.58	4196030.23	1.39E-08	1.14E-08	2.53E-08	2.31E-09	1.97E-09	4.28E-09	1.27E-09	9.80E-10	2.25E-09	1.44E-08	1.14E-08	2.58E-08
153	652189.49	4196050.5	1.37E-08	1.12E-08	2.49E-08	2.27E-09	1.94E-09	4.21E-09	1.25E-09	9.63E-10	2.21E-09	1.41E-08	1.12E-08	2.53E-08
154	652151.4	4196070.78	1.38E-08	1.13E-08	2.51E-08	2.29E-09	1.96E-09	4.25E-09	1.26E-09	9.72E-10	2.23E-09	1.43E-08	1.13E-08	2.56E-08

155	652113.31	4196091.06	1.43E-08	1.17E-08	2.60E-08	2.37E-09	2.03E-09	4.39E-09	1.30E-09	1.01E-09	2.31E-09	1.47E-08	1.17E-08	2.65E-08
156	652075.22	4196111.33	1.49E-08	1.22E-08	2.72E-08	2.48E-09	2.12E-09	4.60E-09	1.36E-09	1.05E-09	2.42E-09	1.54E-08	1.22E-08	2.77E-08
157	652037.13	4196131.61	1.56E-08	1.28E-08	2.84E-08	2.59E-09	2.22E-09	4.81E-09	1.43E-09	1.10E-09	2.53E-09	1.61E-08	1.28E-08	2.89E-08
158	651999.04	4196151.89	1.63E-08	1.33E-08	2.96E-08	2.70E-09	2.31E-09	5.02E-09	1.49E-09	1.15E-09	2.64E-09	1.68E-08	1.34E-08	3.02E-08
159	651960.95	4196172.16	1.70E-08	1.38E-08	3.08E-08	2.81E-09	2.40E-09	5.21E-09	1.55E-09	1.19E-09	2.74E-09	1.75E-08	1.39E-08	3.14E-08
160	651922.86	4196192.44	1.75E-08	1.43E-08	3.19E-08	2.91E-09	2.49E-09	5.40E-09	1.60E-09	1.23E-09	2.84E-09	1.81E-08	1.44E-08	3.25E-08
161	651884.77	4196212.72	1.81E-08	1.48E-08	3.28E-08	2.99E-09	2.56E-09	5.56E-09	1.65E-09	1.27E-09	2.92E-09	1.86E-08	1.48E-08	3.34E-08
162	651846.69	4196232.99	1.84E-08	1.51E-08	3.35E-08	3.05E-09	2.61E-09	5.67E-09	1.68E-09	1.30E-09	2.98E-09	1.90E-08	1.51E-08	3.41E-08
163	651808.6	4196253.27	1.86E-08	1.52E-08	3.37E-08	3.08E-09	2.63E-09	5.71E-09	1.69E-09	1.31E-09	3.00E-09	1.92E-08	1.52E-08	3.44E-08
164	651770.51	4196273.55	1.84E-08	1.50E-08	3.34E-08	3.05E-09	2.61E-09	5.66E-09	1.68E-09	1.29E-09	2.97E-09	1.90E-08	1.51E-08	3.41E-08
165	651732.42	4196293.82	1.79E-08	1.46E-08	3.25E-08	2.96E-09	2.54E-09	5.50E-09	1.63E-09	1.26E-09	2.89E-09	1.85E-08	1.47E-08	3.31E-08
166	651694.33	4196314.1	1.71E-08	1.39E-08	3.10E-08	2.83E-09	2.42E-09	5.25E-09	1.56E-09	1.20E-09	2.76E-09	1.76E-08	1.40E-08	3.16E-08
167	651656.24	4196334.38	1.60E-08	1.31E-08	2.91E-08	2.66E-09	2.27E-09	4.93E-09	1.46E-09	1.13E-09	2.59E-09	1.65E-08	1.31E-08	2.97E-08
168	651618.15	4196354.65	1.49E-08	1.21E-08	2.70E-08	2.47E-09	2.11E-09	4.57E-09	1.36E-09	1.05E-09	2.40E-09	1.53E-08	1.22E-08	2.75E-08
169	652641	4195800.2	2.54E-08	2.07E-08	4.61E-08	4.21E-09	3.60E-09	7.80E-09	2.32E-09	1.79E-09	4.10E-09	2.62E-08	2.08E-08	4.70E-08
170	652667.98	4195765.94	2.70E-08	2.21E-08	4.91E-08	4.48E-09	3.83E-09	8.30E-09	2.46E-09	1.90E-09	4.36E-09	2.79E-08	2.21E-08	5.00E-08
171	652694.96	4195731.69	2.87E-08	2.34E-08	5.21E-08	4.75E-09	4.07E-09	8.82E-09	2.62E-09	2.02E-09	4.63E-09	2.96E-08	2.35E-08	5.31E-08
172	652721.93	4195697.43	3.03E-08	2.47E-08	5.50E-08	5.01E-09	4.29E-09	9.30E-09	2.76E-09	2.13E-09	4.89E-09	3.12E-08	2.48E-08	5.60E-08
173	651593.5	4194768.62	2.65E-06	2.17E-06	4.82E-06	4.40E-07	3.76E-07	8.16E-07	2.42E-07	1.87E-07	4.29E-07	2.74E-06	2.17E-06	4.91E-06
174	651592.9	4194727.38	3.57E-06	2.92E-06	6.49E-06	5.92E-07	5.07E-07	1.10E-06	3.26E-07	2.51E-07	5.78E-07	3.69E-06	2.93E-06	6.62E-06
175	651613.14	4194784.09	1.96E-06	1.60E-06	3.56E-06	3.25E-07	2.78E-07	6.03E-07	1.79E-07	1.38E-07	3.17E-07	2.02E-06	1.61E-06	3.63E-06
176	651618.2	4194747.64	2.42E-06	1.97E-06	4.39E-06	4.01E-07	3.43E-07	7.43E-07	2.21E-07	1.70E-07	3.91E-07	2.50E-06	1.98E-06	4.48E-06
177	651617.59	4194706.4	3.10E-06	2.53E-06	5.63E-06	5.13E-07	4.39E-07	9.52E-07	2.83E-07	2.18E-07	5.00E-07	3.20E-06	2.54E-06	5.73E-06
178	651638.14	4194783.72	1.60E-06	1.31E-06	2.91E-06	2.66E-07	2.27E-07	4.93E-07	1.46E-07	1.13E-07	2.59E-07	1.66E-06	1.31E-06	2.97E-06
179	651643.2	4194747.27	1.94E-06	1.58E-06	3.52E-06	3.22E-07	2.75E-07	5.97E-07	1.77E-07	1.37E-07	3.14E-07	2.00E-06	1.59E-06	3.59E-06
180	651642.59	4194706.03	2.43E-06	1.99E-06	4.42E-06	4.03E-07	3.45E-07	7.48E-07	2.22E-07	1.71E-07	3.93E-07	2.51E-06	1.99E-06	4.50E-06
181	651687.07	4194786.16	1.13E-06	9.20E-07	2.05E-06	1.87E-07	1.60E-07	3.46E-07	1.03E-07	7.93E-08	1.82E-07	1.16E-06	9.23E-07	2.09E-06
182	651674.21	4194824.16	9.73E-07	7.95E-07	1.77E-06	1.61E-07	1.38E-07	2.99E-07	8.88E-08	6.85E-08	1.57E-07	1.00E-06	7.97E-07	1.80E-06
183	651693.19	4194746.53	1.33E-06	1.08E-06	2.41E-06	2.20E-07	1.88E-07	4.08E-07	1.21E-07	9.34E-08	2.15E-07	1.37E-06	1.09E-06	2.46E-06
184	651692.58	4194705.29	1.61E-06	1.31E-06	2.92E-06	2.66E-07	2.28E-07	4.94E-07	1.46E-07	1.13E-07	2.59E-07	1.66E-06	1.31E-06	2.97E-06
185	651737.37	4194784.52	8.45E-07	6.90E-07	1.54E-06	1.40E-07	1.20E-07	2.60E-07	7.71E-08	5.95E-08	1.37E-07	8.72E-07	6.92E-07	1.56E-06
186	651725.12	4194820.71	7.60E-07	6.20E-07	1.38E-06	1.26E-07	1.08E-07	2.34E-07	6.93E-08	5.35E-08	1.23E-07	7.84E-07	6.22E-07	1.41E-06
187	651712.88	4194856.91	6.64E-07	5.42E-07	1.21E-06	1.10E-07	9.41E-08	2.04E-07	6.06E-08	4.67E-08	1.07E-07	6.85E-07	5.44E-07	1.23E-06
188	651743.19	4194745.8	9.64E-07	7.87E-07	1.75E-06	1.60E-07	1.37E-07	2.96E-07	8.79E-08	6.78E-08	1.56E-07	9.95E-07	7.89E-07	1.78E-06
189	651742.58	4194704.56	1.13E-06	9.25E-07	2.06E-06	1.88E-07	1.61E-07	3.48E-07	1.03E-07	7.97E-08	1.83E-07	1.17E-06	9.28E-07	2.10E-06
190	651787.53	4194783.28	6.56E-07	5.36E-07	1.19E-06	1.09E-07	9.30E-08	2.02E-07	5.98E-08	4.61E-08	1.06E-07	6.77E-07	5.37E-07	1.21E-06
191	651775.63	4194818.47	6.05E-07	4.94E-07	1.10E-06	1.00E-07	8.58E-08	1.86E-07	5.52E-08	4.26E-08	9.78E-08	6.24E-07	4.96E-07	1.12E-06
192	651763.72	4194853.66	5.47E-07	4.46E-07	9.93E-07	9.06E-08	7.75E-08	1.68E-07	4.99E-08	3.85E-08	8.84E-08	5.64E-07	4.48E-07	1.01E-06
193	651751.82	4194888.85	4.82E-07	3.94E-07	8.75E-07	7.99E-08	6.83E-08	1.48E-07	4.40E-08	3.39E-08	7.79E-08	4.97E-07	3.95E-07	8.92E-07
194	651793.18	4194745.06	7.31E-07	5.97E-07	1.33E-06	1.21E-07	1.04E-07	2.25E-07	6.67E-08	5.14E-08	1.18E-07	7.54E-07	5.99E-07	1.35E-06
195	651792.57	4194703.82	8.40E-07	6.86E-07	1.53E-06	1.39E-07	1.19E-07	2.58E-07	7.67E-08	5.91E-08	1.36E-07	8.67E-07	6.88E-07	1.56E-06
196	651837.05	4194783.95	5.22E-07	4.26E-07	9.48E-07	8.65E-08	7.40E-08	1.60E-07	4.76E-08	3.67E-08	8.43E-08	5.38E-07	4.27E-07	9.66E-07
197	651824.19	4194821.96	4.85E-07	3.96E-07	8.82E-07	8.05E-08	6.88E-08	1.49E-07	4.43E-08	3.42E-08	7.84E-08	5.01E-07	3.98E-07	8.99E-07
198	651811.34	4194859.96	4.44E-07	3.62E-07	8.06E-07	7.35E-08	6.29E-08	1.36E-07	4.05E-08	3.12E-08	7.17E-08	4.58E-07	3.63E-07	8.21E-07
199	651798.48	4194897.97	3.96E-07	3.23E-07	7.19E-07	6.56E-08	5.61E-08	1.22E-07	3.61E-08	2.79E-08	6.40E-08	4.09E-07	3.24E-07	7.33E-07
200	651843.17	4194744.33	5.74E-07	4.69E-07	1.04E-06	9.51E-08	8.14E-08	1.76E-07	5.24E-08	4.04E-08	9.27E-08	5.92E-07	4.70E-07	1.06E-06
201	651842.57	4194703.09	6.48E-07	5.29E-07	1.18E-06	1.07E-07	9.18E-08	1.99E-07	5.91E-08	4.56E-08	1.05E-07	6.69E-07	5.31E-07	1.20E-06
202	651936.87	4194782.97	3.55E-07	2.90E-07	6.45E-07	5.89E-08	5.03E-08	1.09E-07	3.24E-08	2.50E-08	5.74E-08	3.66E-07	2.91E-07	6.57E-07
203	651923.69	4194821.95	3.36E-07	2.75E-07	6.11E-07	5.57E-08	4.77E-08	1.03E-07	3.07E-08	2.37E-08	5.43E-08	3.47E-07	2.75E-07	6.22E-07
204	651910.5	4194860.93	3.15E-07	2.57E-07	5.72E-07	5.22E-08	4.47E-08	9.69E-08	2.88E-08	2.22E-08	5.09E-08	3.25E-07	2.58E-07	5.83E-07
205	651897.31	4194899.91	2.91E-07	2.38E-07	5.29E-07	4.83E-08	4.13E-08	8.96E-08	2.66E-08	2.05E-08	4.71E-08	3.01E-07	2.39E-07	5.39E-07
206	651884.13	4194938.89	2.65E-07	2.16E-07	4.81E-07	4.39E-08	3.76E-08	8.15E-08	2.42E-08	1.86E-08	4.28E-08	2.73E-07	2.17E-07	4.90E-07
207	651870.94	4194977.87	2.38E-07	1.94E-07	4.32E-07	3.94E-08	3.37E-08	7.31E-08	2.17E-08	1.67E-08	3.84E-08	2.45E-07	1.95E-07	4.40E-07
208	651943.16	4194742.86	3.82E-07	3.12E-07	6.94E-07	6.33E-08	5.42E-08	1.17E-07	3.49E-08	2.69E-08	6.17E-08	3.94E-07	3.13E-07	7.07E-07
209	651942.56	4194701.62	4.19E-07	3.42E-07	7.60E-07	6.94E-08	5.93E-08	1.29E-07	3.82E-08	2.94E-08	6.76E-08	4.32E-07	3.43E-07	7.75E-07
210	652037.15	4194780.64	2.59E-07	2.12E-07	4.71E-07	4.29E-08	3.67E-08	7.97E-08	2.36E-08	1.82E-08	4.19E-08	2.67E-07	2.12E-07	4.80E-07
211	652024.55	4194817.9	2.49E-07	2.03E-07	4.52E-07	4.12E-08	3.53E-08	7.65E-08	2.27E-08	1.75E-08	4.02E-08	2.57E-07	2.04E-07	4.61E-07
212	652011.94	4194855.16	2.37E-07	1.93E-07	4.30E-07	3.93E-08	3.36E-08	7.29E-08	2.16E-08	1.67E-08	3.83E-08	2.45E-07	1.94E-07	4.39E-07
213	651999.34	4194892.42	2.24E-07	1.83E-07	4.07E-07	3.71E-08	3.18E-08	6.89E-08	2.04E-08	1.58E-08	3.62E-08	2.31E-07	1.83E-07	4.15E-07
214	651986.74	4194929.68	2.10E-07	1.72E-07	3.82E-07	3.49E-08	2.98E-08	6.47E-08	1.92E-08	1.48E-08	3.40E-08	2.17E-07	1.72E-07	3.89E-07
215	651974.13	4194966.94	1.96E-07	1.60E-07	3.56E-07	3.25E-08	2.78E-08	6.03E-08	1.79E-08	1.38E-08	3.17E-08	2.02E-07	1.61E-07	3.63E-07
216	651961.53	4195004.2	1.81E-07	1.48E-07	3.29E-07	3.01E-08	2.57E-08	5.58E-08	1.65E-08	1.28E-08	2.93E-08	1.87E-07	1.49E-07	3.36E-07
217	651948.92	4195041.46	1.67E-07	1.36E-07	3.03E-07	2.76E-08	2.36E-08	5.13E-08	1.52E-08	1.17E-08	2.69E-08	1.72E-07	1.37E-07	3.09E-07
218	652043.15	4194741.39	2.73E-07	2.23E-07	4.97E-07	4.53E-08	3.88E-08	8.41E-08	2.49E-08	1.92E-08	4.42E-08	2.82E-07	2.24E-07	5.06E-07
219	652042.55	4194700.15	2.93E-07	2.39E-07	5.32E-07	4.85E-08	4.15E-08	9.00E-08	2.67E-08	2.06E-08	4.73E-08	3.02E-07	2.40E-07	5.42E-07
220	652137.02	4194779.54	1.98E-07	1.62E-07	3.60E-07	3.28E-08	2.81E-08	6.09E-08	1.81E-08	1.39E-08	3.20E-08	2.04E-07	1.62E-07	3.66E-07
221	652124.16	4194817.54	1.92E-07	1.57E-07	3.49E-07	3.18E-08	2.72E-08	5.90E-08	1.75E-08	1.35E-08	3.10E-08	1.98E-07	1.57E-07	3.55E-07
222	652111.3	4194855.55	1.84E-07	1.50E-07	3.35E-07	3.05E-08	2.61E-08	5.66E-08	1.68E-08	1.30E-08	2.98E-08	1.90E-07	1.51E-07	3.41E-07
223	652098.45	4194893.55	1.75E-07	1.43E-07	3.18E-07	2.90E-08	2.48E-08	5.39E-08	1.60E-08	1.23E-08	2.83E-08	1.81E-07	1.43E-07	3.24E-07
224	652085.59	4194931.56	1.66E-07	1.35E-07	3.01E-07	2.75E-08	2.35E-08	5.10E-08	1.51E-08	1.17E-08	2.68E-08	1.71E-07	1.36E-07	3.07E-07
225	652072.73	4194969.56	1.57E-07	1.28E-07	2.85E-07	2.60E-08	2.22E-08	4.82E-08	1.43E-08	1.10E-08	2.54E-08	1.62E-07	1.29E-07	2.90E-07
226	652059.88	4195007.57	1.48E-07	1.21E-07	2.69E-07	2.45E-08	2.10E-08	4.55E-08	1.35E-08	1.04E-08	2.39E-08	1.53E-07	1.21E-07	2.74E-07
227	652047.02	4195045.58	1.39E-07	1.14E-07	2.53E-07	2.31E-08	1.97E-08	4.28E-08	1.27E-08	9.80E-09	2.25E-08	1.44E-07	1.14E-07	2.58E-07
228	652034.16	4195083.58	1.30E-07	1.06E-07	2.37E-07	2.16E-08	1.85E-08	4.01E-08	1.19E-08	9.17E-09	2.11E-08	1.35E-07	1.07E-07	2.41E-07
229	652143.14	4194739.91	2.06E-07	1.68E-07	3.74E-07	3.41E-08	2.92E-08	6.33E-08	1.88E-08	1.45E-08	3.33E-08	2.12E-07	1.69E-07	3.81E-07
230	652142.54	4194698.67	2.17E-07	1.77E-07	3.94E-07	3.59E-08	3.07E-08	6.66E-08	1.98E-08	1.52E-08	3.50E-08	2.24E-07	1.77E-07	4.01E-07
231	652236.91	4194778.34	1.56E-07	1.28E-07	2.84E-07	2.59E-08	2.22E-08	4.81E-08	1.43E-08	1.10E-08	2.53E-08	1.62E-07	1.28E-07	2.90E-07
232	652223.87	4194816.9	1.53E-07	1.25E-07	2.78E-07	2.54E-08	2.17E-08	4.71E-08	1.40E-08	1.08E-08	2.48E-08	1.58E-07	1.26E-07	2.84E-07
233	652210.83	4194855.45	1.48E-07	1.21E-07	2.69E-07	2.46E-08	2.10E-08	4.56E-08	1.35E-08	1.04E-08	2.40E-08	1.53E-07	1.21E-07	2.75E-07

234	652197.78	4194894.01	1.42E-07	1.16E-07	2.58E-07	2.35E-08	2.01E-08	4.36E-08	1.29E-08	9.98E-09	2.29E-08	1.46E-07	1.16E-07	2.63E-07
235	652184.74	4194932.57	1.35E-07	1.10E-07	2.45E-07	2.24E-08	1.91E-08	4.15E-08	1.23E-08	9.49E-09	2.18E-08	1.39E-07	1.10E-07	2.50E-07
236	652171.7	4194971.12	1.28E-07	1.05E-07	2.33E-07	2.12E-08	1.82E-08	3.94E-08	1.17E-08	9.02E-09	2.07E-08	1.32E-07	1.05E-07	2.37E-07
237	652158.66	4195009.68	1.22E-07	9.97E-08	2.22E-07	2.02E-08	1.73E-08	3.75E-08	1.11E-08	8.59E-09	1.97E-08	1.26E-07	1.00E-07	2.26E-07
238	652145.61	4195048.24	1.16E-07	9.51E-08	2.11E-07	1.93E-08	1.65E-08	3.58E-08	1.06E-08	8.19E-09	1.88E-08	1.20E-07	9.54E-08	2.16E-07
239	652132.57	4195086.79	1.11E-07	9.06E-08	2.02E-07	1.84E-08	1.57E-08	3.41E-08	1.01E-08	7.81E-09	1.79E-08	1.14E-07	9.09E-08	2.05E-07
240	652119.53	4195125.35	1.05E-07	8.61E-08	1.91E-07	1.75E-08	1.49E-08	3.24E-08	9.61E-09	7.41E-09	1.70E-08	1.09E-07	8.63E-08	1.95E-07
241	652106.48	4195163.9	9.95E-08	8.12E-08	1.81E-07	1.65E-08	1.41E-08	3.06E-08	9.08E-09	7.00E-09	1.61E-08	1.03E-07	8.15E-08	1.84E-07
242	652243.13	4194738.44	1.61E-07	1.31E-07	2.92E-07	2.67E-08	2.28E-08	4.95E-08	1.47E-08	1.13E-08	2.60E-08	1.66E-07	1.32E-07	2.98E-07
243	652242.52	4194697.2	1.67E-07	1.37E-07	3.04E-07	2.77E-08	2.37E-08	5.15E-08	1.53E-08	1.18E-08	2.70E-08	1.73E-07	1.37E-07	3.10E-07
244	652436.98	4194775.12	1.06E-07	8.63E-08	1.92E-07	1.75E-08	1.50E-08	3.25E-08	9.64E-09	7.43E-09	1.71E-08	1.09E-07	8.65E-08	1.96E-07
245	652424.13	4194813.13	1.05E-07	8.56E-08	1.91E-07	1.74E-08	1.49E-08	3.23E-08	9.57E-09	7.38E-09	1.69E-08	1.08E-07	8.59E-08	1.94E-07
246	652411.27	4194851.14	1.03E-07	8.43E-08	1.87E-07	1.71E-08	1.46E-08	3.17E-08	9.42E-09	7.26E-09	1.67E-08	1.07E-07	8.45E-08	1.91E-07
247	652398.41	4194889.14	1.01E-07	8.21E-08	1.83E-07	1.67E-08	1.43E-08	3.09E-08	9.17E-09	7.07E-09	1.62E-08	1.04E-07	8.23E-08	1.86E-07
248	652385.56	4194927.15	9.69E-08	7.91E-08	1.76E-07	1.61E-08	1.37E-08	2.98E-08	8.84E-09	6.82E-09	1.57E-08	1.00E-07	7.94E-08	1.79E-07
249	652372.7	4194965.15	9.27E-08	7.57E-08	1.68E-07	1.54E-08	1.31E-08	2.85E-08	8.46E-09	6.52E-09	1.50E-08	9.57E-08	7.59E-08	1.72E-07
250	652359.84	4195003.16	8.85E-08	7.23E-08	1.61E-07	1.47E-08	1.25E-08	2.72E-08	8.07E-09	6.23E-09	1.43E-08	9.13E-08	7.25E-08	1.64E-07
251	652346.99	4195041.16	8.48E-08	6.92E-08	1.54E-07	1.41E-08	1.20E-08	2.61E-08	7.74E-09	5.97E-09	1.37E-08	8.75E-08	6.94E-08	1.57E-07
252	652334.13	4195079.17	8.17E-08	6.67E-08	1.48E-07	1.35E-08	1.16E-08	2.51E-08	7.45E-09	5.75E-09	1.32E-08	8.43E-08	6.69E-08	1.51E-07
253	652321.27	4195117.17	7.91E-08	6.46E-08	1.44E-07	1.31E-08	1.12E-08	2.43E-08	7.22E-09	5.57E-09	1.28E-08	8.16E-08	6.48E-08	1.46E-07
254	652308.42	4195155.18	7.69E-08	6.28E-08	1.40E-07	1.27E-08	1.09E-08	2.36E-08	7.02E-09	5.41E-09	1.24E-08	7.94E-08	6.30E-08	1.42E-07
255	652295.56	4195193.18	7.48E-08	6.11E-08	1.36E-07	1.24E-08	1.06E-08	2.30E-08	6.83E-09	5.27E-09	1.21E-08	7.72E-08	6.13E-08	1.39E-07
256	652282.71	4195231.19	7.26E-08	5.93E-08	1.32E-07	1.20E-08	1.03E-08	2.23E-08	6.62E-09	5.11E-09	1.17E-08	7.49E-08	5.94E-08	1.34E-07
257	652269.85	4195269.2	6.97E-08	5.70E-08	1.27E-07	1.16E-08	9.89E-09	2.14E-08	6.36E-09	4.91E-09	1.13E-08	7.20E-08	5.71E-08	1.29E-07
258	652443.11	4194735.5	1.07E-07	8.75E-08	1.95E-07	1.78E-08	1.52E-08	3.29E-08	9.77E-09	7.53E-09	1.73E-08	1.11E-07	8.77E-08	1.98E-07
259	652442.5	4194694.26	1.09E-07	8.94E-08	1.99E-07	1.81E-08	1.55E-08	3.37E-08	9.99E-09	7.70E-09	1.77E-08	1.13E-07	8.97E-08	2.03E-07
260	652636.84	4194772.53	7.68E-08	6.27E-08	1.40E-07	1.27E-08	1.09E-08	2.36E-08	7.01E-09	5.40E-09	1.24E-08	7.93E-08	6.29E-08	1.42E-07
261	652623.75	4194811.24	7.68E-08	6.27E-08	1.40E-07	1.27E-08	1.09E-08	2.36E-08	7.01E-09	5.40E-09	1.24E-08	7.93E-08	6.29E-08	1.42E-07
262	652610.65	4194849.95	7.63E-08	6.23E-08	1.39E-07	1.26E-08	1.08E-08	2.35E-08	6.96E-09	5.37E-09	1.23E-08	7.87E-08	6.25E-08	1.41E-07
263	652597.56	4194888.66	7.52E-08	6.14E-08	1.37E-07	1.25E-08	1.07E-08	2.31E-08	6.86E-09	5.29E-09	1.21E-08	7.76E-08	6.16E-08	1.39E-07
264	652584.46	4194927.37	7.34E-08	5.99E-08	1.33E-07	1.22E-08	1.04E-08	2.26E-08	6.70E-09	5.16E-09	1.19E-08	7.58E-08	6.01E-08	1.36E-07
265	652571.37	4194966.08	7.11E-08	5.80E-08	1.29E-07	1.18E-08	1.01E-08	2.19E-08	6.48E-09	5.00E-09	1.15E-08	7.33E-08	5.82E-08	1.32E-07
266	652558.28	4195004.79	6.83E-08	5.58E-08	1.24E-07	1.13E-08	9.68E-09	2.10E-08	6.23E-09	4.80E-09	1.10E-08	7.05E-08	5.59E-08	1.26E-07
267	652545.18	4195043.5	6.54E-08	5.34E-08	1.19E-07	1.08E-08	9.27E-09	2.01E-08	5.97E-09	4.60E-09	1.06E-08	6.75E-08	5.36E-08	1.21E-07
268	652532.09	4195082.21	6.28E-08	5.13E-08	1.14E-07	1.04E-08	8.90E-09	1.93E-08	5.73E-09	4.42E-09	1.01E-08	6.48E-08	5.14E-08	1.16E-07
269	652518.99	4195120.92	6.05E-08	4.94E-08	1.10E-07	1.00E-08	8.58E-09	1.86E-08	5.52E-09	4.26E-09	9.78E-09	6.25E-08	4.96E-08	1.12E-07
270	652505.9	4195159.63	5.87E-08	4.80E-08	1.07E-07	9.74E-09	8.33E-09	1.81E-08	5.36E-09	4.13E-09	9.49E-09	6.06E-08	4.81E-08	1.09E-07
271	652492.8	4195198.34	5.74E-08	4.69E-08	1.04E-07	9.52E-09	8.14E-09	1.77E-08	5.24E-09	4.04E-09	9.28E-09	5.93E-08	4.71E-08	1.06E-07
272	652479.71	4195237.05	5.65E-08	4.62E-08	1.03E-07	9.37E-09	8.01E-09	1.74E-08	5.16E-09	3.98E-09	9.14E-09	5.83E-08	4.63E-08	1.05E-07
273	652466.61	4195275.76	5.58E-08	4.56E-08	1.01E-07	9.25E-09	7.91E-09	1.72E-08	5.09E-09	3.93E-09	9.02E-09	5.76E-08	4.57E-08	1.03E-07
274	652453.52	4195314.46	5.49E-08	4.49E-08	9.98E-08	9.11E-09	7.79E-09	1.69E-08	5.01E-09	3.87E-09	8.88E-09	5.67E-08	4.50E-08	1.02E-07
275	652440.42	4195353.17	5.36E-08	4.38E-08	9.74E-08	8.89E-09	7.60E-09	1.65E-08	4.89E-09	3.77E-09	8.67E-09	5.54E-08	4.39E-08	9.93E-08
276	652427.33	4195391.88	5.17E-08	4.22E-08	9.39E-08	8.57E-09	7.33E-09	1.59E-08	4.72E-09	3.64E-09	8.35E-09	5.34E-08	4.23E-08	9.57E-08
277	652643.09	4194732.56	7.72E-08	6.30E-08	1.40E-07	1.28E-08	1.09E-08	2.37E-08	7.04E-09	5.43E-09	1.25E-08	7.96E-08	6.32E-08	1.43E-07
278	652642.48	4194691.32	7.80E-08	6.37E-08	1.42E-07	1.29E-08	1.11E-08	2.40E-08	7.12E-09	5.49E-09	1.26E-08	8.06E-08	6.39E-08	1.44E-07
279	652836.89	4194769.39	5.88E-08	4.81E-08	1.07E-07	9.75E-09	8.34E-09	1.81E-08	5.37E-09	4.14E-09	9.51E-09	6.07E-08	4.82E-08	1.09E-07
280	652823.93	4194807.69	5.91E-08	4.83E-08	1.07E-07	9.80E-09	8.38E-09	1.82E-08	5.40E-09	4.16E-09	9.56E-09	6.10E-08	4.84E-08	1.09E-07
281	652810.98	4194845.99	5.91E-08	4.82E-08	1.07E-07	9.79E-09	8.38E-09	1.82E-08	5.39E-09	4.16E-09	9.55E-09	6.10E-08	4.84E-08	1.09E-07
282	652798.02	4194884.29	5.87E-08	4.79E-08	1.07E-07	9.72E-09	8.32E-09	1.80E-08	5.35E-09	4.13E-09	9.48E-09	6.06E-08	4.81E-08	1.09E-07
283	652785.07	4194922.59	5.79E-08	4.73E-08	1.05E-07	9.59E-09	8.21E-09	1.78E-08	5.28E-09	4.07E-09	9.35E-09	5.97E-08	4.74E-08	1.07E-07
284	652772.11	4194960.89	5.67E-08	4.63E-08	1.03E-07	9.41E-09	8.05E-09	1.75E-08	5.18E-09	3.99E-09	9.17E-09	5.86E-08	4.65E-08	1.05E-07
285	652759.15	4194999.19	5.52E-08	4.51E-08	1.00E-07	9.16E-09	7.83E-09	1.70E-08	5.04E-09	3.89E-09	8.93E-09	5.70E-08	4.53E-08	1.02E-07
286	652746.2	4195037.49	5.35E-08	4.37E-08	9.71E-08	8.86E-09	7.58E-09	1.64E-08	4.88E-09	3.76E-09	8.64E-09	5.52E-08	4.38E-08	9.90E-08
287	652733.24	4195075.79	5.15E-08	4.21E-08	9.36E-08	8.54E-09	7.30E-09	1.58E-08	4.70E-09	3.62E-09	8.32E-09	5.32E-08	4.22E-08	9.53E-08
288	652720.28	4195114.09	4.95E-08	4.05E-08	9.00E-08	8.21E-09	7.02E-09	1.52E-08	4.52E-09	3.49E-09	8.00E-09	5.11E-08	4.06E-08	9.17E-08
289	652707.33	4195152.39	4.77E-08	3.90E-08	8.67E-08	7.91E-09	6.77E-09	1.47E-08	4.35E-09	3.36E-09	7.71E-09	4.93E-08	3.91E-08	8.84E-08
290	652694.37	4195190.69	4.62E-08	3.77E-08	8.39E-08	7.66E-09	6.55E-09	1.42E-08	4.22E-09	3.25E-09	7.47E-09	4.77E-08	3.79E-08	8.55E-08
291	652681.42	4195228.99	4.51E-08	3.68E-08	8.18E-08	7.47E-09	6.39E-09	1.39E-08	4.11E-09	3.17E-09	7.28E-09	4.65E-08	3.69E-08	8.34E-08
292	652668.46	4195267.29	4.43E-08	3.62E-08	8.05E-08	7.34E-09	6.28E-09	1.36E-08	4.04E-09	3.12E-09	7.16E-09	4.57E-08	3.63E-08	8.20E-08
293	652655.5	4195305.59	4.39E-08	3.59E-08	7.98E-08	7.28E-09	6.22E-09	1.35E-08	4.01E-09	3.09E-09	7.10E-09	4.53E-08	3.60E-08	8.13E-08
294	652642.55	4195343.89	4.37E-08	3.57E-08	7.95E-08	7.25E-09	6.20E-09	1.35E-08	3.99E-09	3.08E-09	7.07E-09	4.51E-08	3.58E-08	8.10E-08
295	652629.59	4195382.19	4.36E-08	3.56E-08	7.92E-08	7.22E-09	6.18E-09	1.34E-08	3.98E-09	3.07E-09	7.04E-09	4.50E-08	3.57E-08	8.07E-08
296	652616.63	4195420.49	4.32E-08	3.53E-08	7.85E-08	7.16E-09	6.12E-09	1.33E-08	3.94E-09	3.04E-09	6.98E-09	4.46E-08	3.54E-08	8.00E-08
297	652603.68	4195458.79	4.24E-08	3.46E-08	7.70E-08	7.03E-09	6.01E-09	1.30E-08	3.87E-09	2.98E-09	6.85E-09	4.38E-08	3.47E-08	7.85E-08
298	652590.72	4195497.09	4.11E-08	3.36E-08	7.47E-08	6.81E-09	5.83E-09	1.26E-08	3.75E-09	2.89E-09	6.64E-09	4.24E-08	3.37E-08	7.61E-08
299	652577.77	4195535.39	3.94E-08	3.22E-08	7.15E-08	6.53E-09	5.58E-09	1.21E-08	3.59E-09	2.77E-09	6.36E-09	4.06E-08	3.23E-08	7.29E-08
300	652843.07	4194729.62	5.88E-08	4.80E-08	1.07E-07	9.75E-09	8.34E-09	1.81E-08	5.37E-09	4.14E-09	9.50E-09	6.07E-08	4.82E-08	1.09E-07
301	652842.46	4194688.38	5.91E-08	4.83E-08	1.07E-07	9.80E-09	8.38E-09	1.82E-08	5.39E-09	4.16E-09	9.55E-09	6.10E-08	4.84E-08	1.09E-07
302	653036.79	4194766.69	4.69E-08	3.83E-08	8.52E-08	7.78E-09	6.65E-09	1.44E-08	4.28E-09	3.30E-09	7.58E-09	4.84E-08	3.84E-08	8.68E-08
303	653023.67	4194805.47	4.73E-08	3.86E-08	8.59E-08	7.84E-09	6.70E-09	1.45E-08	4.31E-09	3.33E-09	7.64E-09	4.88E-08	3.87E-08	8.75E-08
304	653010.55	4194844.25	4.74E-08	3.87E-08	8.61E-08	7.86E-09	6.72E-09	1.46E-08	4.33E-09	3.34E-09	7.66E-09	4.89E-08	3.88E-08	8.78E-08
305	652997.43	4194883.03	4.73E-08	3.86E-08	8.59E-08	7.84E-09	6.71E-09	1.45E-08	4.32E-09	3.33E-09	7.64E-09	4.88E-08	3.87E-08	8.76E-08
306	652984.31	4194921.81	4.69E-08	3.83E-08	8.52E-08	7.78E-09	6.65E-09	1.44E-08	4.28E-09	3.30E-09	7.58E-09	4.84E-08	3.84E-08	8.69E-08
307	652971.19	4194960.59	4.63E-08	3.78E-08	8.41E-08	7.67E-09	6.56E-09	1.42E-08	4.22E-09	3.26E-09	7.48E-09	4.78E-08	3.79E-08	8.57E-08
308	652958.07	4194999.37	4.55E-08	3.71E-08	8.26E-08	7.54E-09	6.45E-09	1.40E-08	4.15E-09	3.20E-09	7.35E-09	4.69E-08	3.72E-08	8.42E-08
309	652944.96	4195038.15	4.44E-08	3.63E-08	8.07E-08	7.36E-09	6.30E-09	1.37E-08	4.05E-09	3.13E-09	7.18E-09	4.59E-08	3.64E-08	8.22E-08
310	652931.84	4195076.94	4.32E-08	3.53E-08	7.85E-08	7.16E-09	6.12E-09	1.33E-08	3.94E-09	3.04E-09	6.98E-09	4.46E-08	3.54E-08	8.00E-08
311	652918.72	4195115.72	4.18E-08	3.41E-08	7.60E-08	6.93E-09	5.93E-09	1.29E-08	3.81E-09	2.94E-09	6.76E-09	4.32E-08	3.43E-08	7.74E-08
312	652905.6	4195154.5	4.03E-08	3.29E-08	7.33E-08	6.69E-09	5.72E-09	1.24E-08	3.68E-09	2.84E-09	6.52E-09	4.16E-08	3.30E-08	7.47E-08

313	652892.48	4195193.28	3.89E-08	3.18E-08	7.07E-08	6.45E-09	5.51E-09	1.20E-08	3.55E-09	2.74E-09	6.29E-09	4.01E-08	3.19E-08	7.20E-08
314	652879.36	4195232.06	3.76E-08	3.07E-08	6.83E-08	6.23E-09	5.33E-09	1.16E-08	3.43E-09	2.65E-09	6.08E-09	3.88E-08	3.08E-08	6.96E-08
315	652866.24	4195270.84	3.65E-08	2.98E-08	6.64E-08	6.06E-09	5.18E-09	1.12E-08	3.33E-09	2.57E-09	5.91E-09	3.77E-08	2.99E-08	6.76E-08
316	652853.12	4195309.62	3.58E-08	2.92E-08	6.50E-08	5.93E-09	5.08E-09	1.10E-08	3.27E-09	2.52E-09	5.78E-09	3.69E-08	2.93E-08	6.63E-08
317	652840	4195348.4	3.54E-08	2.89E-08	6.43E-08	5.87E-09	5.02E-09	1.09E-08	3.23E-09	2.49E-09	5.72E-09	3.65E-08	2.90E-08	6.55E-08
318	652826.88	4195387.18	3.53E-08	2.88E-08	6.42E-08	5.85E-09	5.01E-09	1.09E-08	3.22E-09	2.48E-09	5.71E-09	3.64E-08	2.89E-08	6.54E-08
319	652813.77	4195425.97	3.54E-08	2.89E-08	6.43E-08	5.87E-09	5.02E-09	1.09E-08	3.23E-09	2.49E-09	5.72E-09	3.66E-08	2.90E-08	6.56E-08
320	652800.65	4195464.75	3.55E-08	2.90E-08	6.45E-08	5.89E-09	5.03E-09	1.09E-08	3.24E-09	2.50E-09	5.74E-09	3.67E-08	2.91E-08	6.57E-08
321	652787.53	4195503.53	3.55E-08	2.90E-08	6.44E-08	5.88E-09	5.03E-09	1.09E-08	3.24E-09	2.50E-09	5.73E-09	3.66E-08	2.90E-08	6.56E-08
322	652774.41	4195542.31	3.51E-08	2.87E-08	6.38E-08	5.82E-09	4.98E-09	1.08E-08	3.20E-09	2.47E-09	5.67E-09	3.62E-08	2.88E-08	6.50E-08
323	652761.29	4195581.09	3.44E-08	2.81E-08	6.25E-08	5.70E-09	4.87E-09	1.06E-08	3.14E-09	2.42E-09	5.56E-09	3.55E-08	2.82E-08	6.36E-08
324	652748.17	4195619.87	3.33E-08	2.72E-08	6.05E-08	5.52E-09	4.72E-09	1.02E-08	3.04E-09	2.34E-09	5.38E-09	3.44E-08	2.73E-08	6.16E-08
325	652735.05	4195658.65	3.19E-08	2.60E-08	5.79E-08	5.29E-09	4.52E-09	9.81E-09	2.91E-09	2.24E-09	5.15E-09	3.29E-08	2.61E-08	5.90E-08
326	653043.04	4194726.68	4.67E-08	3.81E-08	8.48E-08	7.74E-09	6.62E-09	1.44E-08	4.26E-09	3.29E-09	7.55E-09	4.82E-08	3.83E-08	8.65E-08
327	653042.44	4194685.44	4.67E-08	3.82E-08	8.49E-08	7.75E-09	6.63E-09	1.44E-08	4.26E-09	3.29E-09	7.55E-09	4.82E-08	3.83E-08	8.65E-08
328	651592.08	4194686.49	4.57E-06	3.73E-06	8.31E-06	7.58E-07	6.48E-07	1.41E-06	4.17E-07	3.22E-07	7.39E-07	4.72E-06	3.75E-06	8.46E-06
329	651616.57	4194666.12	3.76E-06	3.07E-06	6.82E-06	6.22E-07	5.32E-07	1.15E-06	3.43E-07	2.64E-07	6.07E-07	3.88E-06	3.08E-06	6.95E-06
330	651641.56	4194665.48	2.90E-06	2.37E-06	5.28E-06	4.81E-07	4.12E-07	8.93E-07	2.65E-07	2.04E-07	4.69E-07	3.00E-06	2.38E-06	5.38E-06
331	651691.54	4194664.2	1.88E-06	1.53E-06	3.41E-06	3.11E-07	2.66E-07	5.77E-07	1.71E-07	1.32E-07	3.03E-07	1.94E-06	1.54E-06	3.47E-06
332	651741.52	4194662.92	1.30E-06	1.06E-06	2.37E-06	2.16E-07	1.85E-07	4.01E-07	1.19E-07	9.17E-08	2.11E-07	1.35E-06	1.07E-06	2.41E-06
333	651792.01	4194681.37	9.01E-07	7.36E-07	1.64E-06	1.49E-07	1.28E-07	2.77E-07	8.22E-08	6.34E-08	1.46E-07	9.30E-07	7.38E-07	1.67E-06
334	651842	4194680.09	6.90E-07	5.63E-07	1.25E-06	1.14E-07	9.78E-08	2.12E-07	6.29E-08	4.85E-08	1.11E-07	7.12E-07	5.65E-07	1.28E-06
335	651941.96	4194677.54	4.40E-07	3.59E-07	7.99E-07	7.29E-08	6.23E-08	1.35E-07	4.01E-08	3.09E-08	7.11E-08	4.54E-07	3.60E-07	8.14E-07
336	652041.93	4194674.98	3.04E-07	2.49E-07	5.53E-07	5.05E-08	4.32E-08	9.36E-08	2.78E-08	2.14E-08	4.92E-08	3.14E-07	2.49E-07	5.63E-07
337	652141.9	4194672.42	2.23E-07	1.82E-07	4.06E-07	3.70E-08	3.17E-08	6.87E-08	2.04E-08	1.57E-08	3.61E-08	2.31E-07	1.83E-07	4.14E-07
338	652241.87	4194669.86	1.71E-07	1.40E-07	3.11E-07	2.84E-08	2.43E-08	5.27E-08	1.56E-08	1.21E-08	2.77E-08	1.77E-07	1.40E-07	3.17E-07
339	652441.8	4194664.74	1.11E-07	9.07E-08	2.02E-07	1.84E-08	1.57E-08	3.42E-08	1.01E-08	7.81E-09	1.79E-08	1.15E-07	9.10E-08	2.06E-07
340	652641.73	4194659.62	7.87E-08	6.43E-08	1.43E-07	1.30E-08	1.12E-08	2.42E-08	7.18E-09	5.54E-09	1.27E-08	8.12E-08	6.45E-08	1.46E-07
341	652841.67	4194654.51	5.93E-08	4.85E-08	1.08E-07	9.84E-09	8.41E-09	1.82E-08	5.41E-09	4.18E-09	9.59E-09	6.12E-08	4.86E-08	1.10E-07
342	653041.6	4194649.39	4.68E-08	3.82E-08	8.51E-08	7.76E-09	6.64E-09	1.44E-08	4.27E-09	3.29E-09	7.57E-09	4.83E-08	3.84E-08	8.67E-08
343	651691.02	4194621.63	2.09E-06	1.71E-06	3.79E-06	3.46E-07	2.96E-07	6.42E-07	1.91E-07	1.47E-07	3.38E-07	2.16E-06	1.71E-06	3.87E-06
344	651741.01	4194621	1.44E-06	1.18E-06	2.62E-06	2.39E-07	2.04E-07	4.43E-07	1.31E-07	1.01E-07	2.33E-07	1.49E-06	1.18E-06	2.67E-06
345	651791.29	4194642.64	9.98E-07	8.15E-07	1.81E-06	1.65E-07	1.41E-07	3.07E-07	9.10E-08	7.02E-08	1.61E-07	1.03E-06	8.17E-07	1.85E-06
346	651841.29	4194642.01	7.54E-07	6.16E-07	1.37E-06	1.25E-07	1.07E-07	2.32E-07	6.88E-08	5.30E-08	1.22E-07	7.78E-07	6.17E-07	1.40E-06
347	651841.01	4194619.75	7.87E-07	6.43E-07	1.43E-06	1.30E-07	1.12E-07	2.42E-07	7.18E-08	5.54E-08	1.27E-07	8.12E-07	6.45E-07	1.46E-06
348	651941.28	4194640.75	4.70E-07	3.84E-07	8.55E-07	7.80E-08	6.67E-08	1.45E-07	4.29E-08	3.31E-08	7.60E-08	4.86E-07	3.85E-07	8.71E-07
349	652041.27	4194639.49	3.20E-07	2.61E-07	5.82E-07	5.31E-08	4.54E-08	9.84E-08	2.92E-08	2.25E-08	5.17E-08	3.30E-07	2.62E-07	5.93E-07
350	652040.99	4194617.23	3.30E-07	2.69E-07	5.99E-07	5.47E-08	4.67E-08	1.01E-07	3.01E-08	2.32E-08	5.33E-08	3.40E-07	2.70E-07	6.10E-07
351	652141.26	4194638.23	2.32E-07	1.89E-07	4.21E-07	3.84E-08	3.29E-08	7.13E-08	2.12E-08	1.63E-08	3.75E-08	2.39E-07	1.90E-07	4.29E-07
352	652241.25	4194636.98	1.76E-07	1.44E-07	3.20E-07	2.92E-08	2.50E-08	5.41E-08	1.61E-08	1.24E-08	2.85E-08	1.82E-07	1.44E-07	3.26E-07
353	652240.97	4194614.72	1.79E-07	1.46E-07	3.26E-07	2.97E-08	2.54E-08	5.51E-08	1.64E-08	1.26E-08	2.90E-08	1.85E-07	1.47E-07	3.32E-07
354	652441.24	4194634.46	1.13E-07	9.20E-08	2.05E-07	1.87E-08	1.60E-08	3.47E-08	1.03E-08	7.93E-09	1.82E-08	1.16E-07	9.23E-08	2.09E-07
355	652440.96	4194612.2	1.14E-07	9.31E-08	2.07E-07	1.89E-08	1.62E-08	3.51E-08	1.04E-08	8.02E-09	1.84E-08	1.18E-07	9.34E-08	2.11E-07
356	652641.22	4194631.94	7.93E-08	6.48E-08	1.44E-07	1.31E-08	1.12E-08	2.44E-08	7.23E-09	5.58E-09	1.28E-08	8.18E-08	6.50E-08	1.47E-07
357	652640.94	4194609.68	7.98E-08	6.52E-08	1.45E-07	1.32E-08	1.13E-08	2.45E-08	7.28E-09	5.62E-09	1.29E-08	8.24E-08	6.54E-08	1.48E-07
358	652841.21	4194629.43	5.96E-08	4.86E-08	1.08E-07	9.87E-09	8.44E-09	1.83E-08	5.43E-09	4.19E-09	9.62E-09	6.15E-08	4.88E-08	1.10E-07
359	652840.93	4194607.17	5.98E-08	4.88E-08	1.09E-07	9.91E-09	8.48E-09	1.84E-08	5.45E-09	4.21E-09	9.66E-09	6.17E-08	4.90E-08	1.11E-07
360	653041.19	4194626.91	4.69E-08	3.83E-08	8.52E-08	7.77E-09	6.65E-09	1.44E-08	4.28E-09	3.30E-09	7.58E-09	4.84E-08	3.84E-08	8.68E-08
361	653040.91	4194604.65	4.70E-08	3.84E-08	8.54E-08	7.79E-09	6.66E-09	1.44E-08	4.29E-09	3.31E-09	7.59E-09	4.85E-08	3.85E-08	8.70E-08
362	651591.64	4194568.23	5.30E-06	4.33E-06	9.64E-06	8.79E-07	7.52E-07	1.63E-06	4.84E-07	3.73E-07	8.57E-07	5.47E-06	4.34E-06	9.82E-06
363	651616.43	4194587.11	4.23E-06	3.46E-06	7.69E-06	7.02E-07	6.00E-07	1.30E-06	3.86E-07	2.98E-07	6.84E-07	4.37E-06	3.47E-06	7.84E-06
364	651641.43	4194587.39	3.30E-06	2.70E-06	6.00E-06	5.48E-07	4.68E-07	1.02E-06	3.01E-07	2.32E-07	5.34E-07	3.41E-06	2.71E-06	6.12E-06
365	651691.43	4194587.93	2.16E-06	1.76E-06	3.92E-06	3.58E-07	3.06E-07	6.64E-07	1.97E-07	1.52E-07	3.49E-07	2.23E-06	1.77E-06	4.00E-06
366	651741.42	4194588.48	1.50E-06	1.23E-06	2.73E-06	2.49E-07	2.13E-07	4.62E-07	1.37E-07	1.06E-07	2.43E-07	1.55E-06	1.23E-06	2.78E-06
367	651791.22	4194607.64	1.07E-06	8.70E-07	1.94E-06	1.77E-07	1.51E-07	3.28E-07	9.73E-08	7.50E-08	1.72E-07	1.10E-06	8.73E-07	1.97E-06
368	651791.63	4194570.41	1.11E-06	9.10E-07	2.02E-06	1.85E-07	1.58E-07	3.42E-07	1.02E-07	7.84E-08	1.80E-07	1.15E-06	9.12E-07	2.06E-06
369	651841.42	4194589.57	8.23E-07	6.72E-07	1.49E-06	1.36E-07	1.17E-07	2.53E-07	7.51E-08	5.79E-08	1.33E-07	8.49E-07	6.74E-07	1.52E-06
370	651941.21	4194609.28	4.94E-07	4.03E-07	8.97E-07	8.19E-08	7.00E-08	1.52E-07	4.51E-08	3.48E-08	7.98E-08	5.10E-07	4.05E-07	9.14E-07
371	651941.62	4194572.05	5.19E-07	4.24E-07	9.42E-07	8.60E-08	7.35E-08	1.60E-07	4.73E-08	3.65E-08	8.38E-08	5.35E-07	4.25E-07	9.60E-07
372	652041.41	4194591.76	3.40E-07	2.77E-07	6.17E-07	5.63E-08	4.82E-08	1.04E-07	3.10E-08	2.39E-08	5.49E-08	3.51E-07	2.78E-07	6.29E-07
373	652141.2	4194611.46	2.38E-07	1.95E-07	4.33E-07	3.95E-08	3.38E-08	7.33E-08	2.18E-08	1.68E-08	3.85E-08	2.46E-07	1.95E-07	4.41E-07
374	652141.6	4194574.23	2.48E-07	2.02E-07	4.50E-07	4.10E-08	3.51E-08	7.61E-08	2.26E-08	1.74E-08	4.00E-08	2.55E-07	2.03E-07	4.58E-07
375	652241.6	4194575.33	1.85E-07	1.51E-07	3.36E-07	3.07E-08	2.62E-08	5.69E-08	1.69E-08	1.30E-08	2.99E-08	1.91E-07	1.52E-07	3.43E-07
376	652441.59	4194577.51	1.16E-07	9.48E-08	2.11E-07	1.92E-08	1.64E-08	3.57E-08	1.06E-08	8.16E-09	1.88E-08	1.20E-07	9.50E-08	2.15E-07
377	652641.57	4194579.7	8.05E-08	6.58E-08	1.46E-07	1.34E-08	1.14E-08	2.48E-08	7.35E-09	5.67E-09	1.30E-08	8.31E-08	6.60E-08	1.49E-07
378	652841.56	4194581.88	6.00E-08	4.90E-08	1.09E-07	9.95E-09	8.51E-09	1.85E-08	5.48E-09	4.22E-09	9.70E-09	6.20E-08	4.92E-08	1.11E-07
379	651604.01	4194531.02	3.91E-06	3.20E-06	7.11E-06	6.49E-07	5.55E-07	1.20E-06	3.57E-07	2.75E-07	6.32E-07	4.04E-06	3.21E-06	7.25E-06
380	651613.48	4194559.13	4.10E-06	3.35E-06	7.45E-06	6.80E-07	5.82E-07	1.26E-06	3.74E-07	2.89E-07	6.63E-07	4.23E-06	3.36E-06	7.59E-06
381	651624.1	4194516.72	3.14E-06	2.57E-06	5.71E-06	5.21E-07	4.46E-07	9.67E-07	2.87E-07	2.21E-07	5.08E-07	3.24E-06	2.57E-06	5.82E-06
382	651634.62	4194547.95	3.29E-06	2.69E-06	5.98E-06	5.46E-07	4.67E-07	1.01E-06	3.00E-07	2.32E-07	5.32E-07	3.40E-06	2.70E-06	6.10E-06
383	651663.57	4194486.03	2.17E-06	1.77E-06	3.94E-06	3.60E-07	3.08E-07	6.68E-07	1.98E-07	1.53E-07	3.51E-07	2.24E-06	1.78E-06	4.02E-06
384	651674.09	4194517.26	2.28E-06	1.86E-06	4.14E-06	3.78E-07	3.23E-07	7.00E-07	2.08E-07	1.60E-07	3.68E-07	2.35E-06	1.87E-06	4.22E-06
385	651684.62	4194548.5	2.25E-06	1.84E-06	4.08E-06	3.72E-07	3.19E-07	6.91E-07	2.05E-07	1.58E-07	3.63E-07	2.32E-06	1.84E-06	4.16E-06
386	651703.05	4194455.34	1.60E-06	1.31E-06	2.91E-06	2.65E-07	2.27E-07	4.92E-07	1.46E-07	1.13E-07	2.59E-07	1.65E-06	1.31E-06	2.96E-06
387	651713.57	4194486.57	1.68E-06	1.37E-06	3.04E-06	2.78E-07	2.38E-07	5.15E-07	1.53E-07	1.18E-07	2.71E-07	1.73E-06	1.37E-06	3.10E-06
388	651724.09	4194517.81	1.67E-06	1.37E-06	3.04E-06	2.77E-07	2.37E-07	5.15E-07	1.53E-07	1.18E-07	2.70E-07	1.73E-06	1.37E-06	3.10E-06
389	651734.61	4194549.04	1.60E-06	1.31E-06	2.91E-06	2.65E-07	2.27E-07	4.92E-07	1.46E-07	1.13E-07	2.59E-07	1.65E-06	1.31E-06	2.96E-06
390	651742.52	4194424.65	1.23E-06	1.01E-06	2.24E-06	2.04E-07	1.75E-07	3.79E-07	1.12E-07	8.67E-08	1.99E-07	1.27E-06	1.01E-06	2.28E-06
391	651753.04	4194455.89	1.29E-06	1.05E-06	2.34E-06	2.13E-07	1.82E-07	3.96E-07	1.17E-07	9.05E-08	2.08E-07	1.33E-06	1.05E-06	2.38E-06

392	651763.57	4194487.12	1.29E-06	1.06E-06	2.35E-06	2.14E-07	1.83E-07	3.98E-07	1.18E-07	9.10E-08	2.09E-07	1.34E-06	1.06E-06	2.39E-06
393	651774.09	4194518.35	1.25E-06	1.02E-06	2.28E-06	2.08E-07	1.78E-07	3.86E-07	1.14E-07	8.82E-08	2.03E-07	1.29E-06	1.03E-06	2.32E-06
394	651782	4194393.96	9.78E-07	7.99E-07	1.78E-06	1.62E-07	1.39E-07	3.01E-07	8.92E-08	6.88E-08	1.58E-07	1.01E-06	8.01E-07	1.81E-06
395	651792.52	4194425.2	1.02E-06	8.32E-07	1.85E-06	1.69E-07	1.44E-07	3.13E-07	9.30E-08	7.17E-08	1.65E-07	1.05E-06	8.35E-07	1.89E-06
396	651803.04	4194456.43	1.03E-06	8.40E-07	1.87E-06	1.71E-07	1.46E-07	3.16E-07	9.39E-08	7.24E-08	1.66E-07	1.06E-06	8.43E-07	1.90E-06
397	651813.56	4194487.67	1.01E-06	8.23E-07	1.83E-06	1.67E-07	1.43E-07	3.10E-07	9.19E-08	7.09E-08	1.63E-07	1.04E-06	8.25E-07	1.87E-06
398	651824.08	4194518.9	9.59E-07	7.83E-07	1.74E-06	1.59E-07	1.36E-07	2.95E-07	8.75E-08	6.75E-08	1.55E-07	9.90E-07	7.85E-07	1.78E-06
399	651834.61	4194550.13	8.92E-07	7.28E-07	1.62E-06	1.48E-07	1.26E-07	2.74E-07	8.14E-08	6.27E-08	1.44E-07	9.20E-07	7.30E-07	1.65E-06
400	651860.95	4194332.59	6.60E-07	5.39E-07	1.20E-06	1.09E-07	9.35E-08	2.03E-07	6.02E-08	4.64E-08	1.07E-07	6.81E-07	5.40E-07	1.22E-06
401	651871.47	4194363.82	6.84E-07	5.59E-07	1.24E-06	1.13E-07	9.70E-08	2.10E-07	6.24E-08	4.81E-08	1.11E-07	7.06E-07	5.60E-07	1.27E-06
402	651881.99	4194395.06	6.94E-07	5.67E-07	1.26E-06	1.15E-07	9.84E-08	2.13E-07	6.33E-08	4.88E-08	1.12E-07	7.16E-07	5.68E-07	1.28E-06
403	651892.51	4194426.29	6.88E-07	5.62E-07	1.25E-06	1.14E-07	9.75E-08	2.11E-07	6.27E-08	4.84E-08	1.11E-07	7.10E-07	5.63E-07	1.27E-06
404	651903.03	4194457.52	6.67E-07	5.45E-07	1.21E-06	1.11E-07	9.45E-08	2.05E-07	6.08E-08	4.69E-08	1.08E-07	6.88E-07	5.46E-07	1.23E-06
405	651913.56	4194488.76	6.34E-07	5.18E-07	1.15E-06	1.05E-07	8.99E-08	1.95E-07	5.78E-08	4.46E-08	1.02E-07	6.54E-07	5.19E-07	1.17E-06
406	651924.08	4194519.99	5.93E-07	4.84E-07	1.08E-06	9.83E-08	8.41E-08	1.82E-07	5.41E-08	4.17E-08	9.58E-08	6.12E-07	4.86E-07	1.10E-06
407	651939.89	4194271.21	4.75E-07	3.88E-07	8.62E-07	7.87E-08	6.73E-08	1.46E-07	4.33E-08	3.34E-08	7.67E-08	4.90E-07	3.89E-07	8.79E-07
408	651950.42	4194302.45	4.90E-07	4.01E-07	8.91E-07	8.13E-08	6.95E-08	1.51E-07	4.47E-08	3.45E-08	7.93E-08	5.06E-07	4.02E-07	9.08E-07
409	651960.94	4194333.68	4.98E-07	4.07E-07	9.05E-07	8.26E-08	7.06E-08	1.53E-07	4.55E-08	3.51E-08	8.05E-08	5.14E-07	4.08E-07	9.22E-07
410	651971.46	4194364.91	4.97E-07	4.06E-07	9.03E-07	8.24E-08	7.05E-08	1.53E-07	4.54E-08	3.50E-08	8.03E-08	5.13E-07	4.07E-07	9.20E-07
411	651981.98	4194396.15	4.87E-07	3.98E-07	8.86E-07	8.08E-08	6.91E-08	1.50E-07	4.45E-08	3.43E-08	7.88E-08	5.03E-07	3.99E-07	9.02E-07
412	651992.51	4194427.38	4.70E-07	3.84E-07	8.55E-07	7.80E-08	6.67E-08	1.45E-07	4.29E-08	3.31E-08	7.60E-08	4.85E-07	3.85E-07	8.71E-07
413	652003.03	4194458.62	4.48E-07	3.66E-07	8.13E-07	7.42E-08	6.35E-08	1.38E-07	4.08E-08	3.15E-08	7.23E-08	4.62E-07	3.67E-07	8.29E-07
414	652013.55	4194489.85	4.21E-07	3.44E-07	7.65E-07	6.98E-08	5.97E-08	1.30E-07	3.84E-08	2.96E-08	6.81E-08	4.35E-07	3.45E-07	7.80E-07
415	652024.07	4194521.08	3.93E-07	3.21E-07	7.14E-07	6.52E-08	5.57E-08	1.21E-07	3.59E-08	2.77E-08	6.35E-08	4.06E-07	3.22E-07	7.28E-07
416	652034.6	4194552.32	3.65E-07	2.98E-07	6.63E-07	6.05E-08	5.18E-08	1.12E-07	3.33E-08	2.57E-08	5.90E-08	3.77E-07	2.99E-07	6.76E-07
417	652018.94	4194210.13	3.58E-07	2.92E-07	6.50E-07	5.93E-08	5.07E-08	1.10E-07	3.26E-08	2.52E-08	5.78E-08	3.69E-07	2.93E-07	6.62E-07
418	652029.77	4194242.26	3.69E-07	3.01E-07	6.70E-07	6.11E-08	5.23E-08	1.13E-07	3.36E-08	2.59E-08	5.96E-08	3.81E-07	3.02E-07	6.83E-07
419	652036.98	4194263.68	3.73E-07	3.05E-07	6.78E-07	6.19E-08	5.29E-08	1.15E-07	3.40E-08	2.63E-08	6.03E-08	3.85E-07	3.06E-07	6.91E-07
420	652047.81	4194295.8	3.75E-07	3.06E-07	6.82E-07	6.22E-08	5.32E-08	1.15E-07	3.42E-08	2.64E-08	6.06E-08	3.87E-07	3.07E-07	6.95E-07
421	652058.63	4194327.93	3.72E-07	3.04E-07	6.76E-07	6.16E-08	5.27E-08	1.14E-07	3.39E-08	2.62E-08	6.01E-08	3.84E-07	3.05E-07	6.88E-07
422	652065.84	4194349.35	3.67E-07	2.99E-07	6.66E-07	6.08E-08	5.20E-08	1.13E-07	3.35E-08	2.58E-08	5.93E-08	3.78E-07	3.00E-07	6.79E-07
423	652073.06	4194370.77	3.59E-07	2.93E-07	6.53E-07	5.96E-08	5.09E-08	1.11E-07	3.28E-08	2.53E-08	5.81E-08	3.71E-07	2.94E-07	6.65E-07
424	652083.88	4194402.89	3.45E-07	2.82E-07	6.27E-07	5.72E-08	4.89E-08	1.06E-07	3.15E-08	2.43E-08	5.58E-08	3.56E-07	2.83E-07	6.39E-07
425	652091.1	4194424.31	3.34E-07	2.73E-07	6.07E-07	5.54E-08	4.74E-08	1.03E-07	3.05E-08	2.35E-08	5.40E-08	3.45E-07	2.74E-07	6.19E-07
426	652101.92	4194456.44	3.16E-07	2.58E-07	5.74E-07	5.24E-08	4.48E-08	9.72E-08	2.88E-08	2.22E-08	5.11E-08	3.26E-07	2.59E-07	5.85E-07
427	652109.14	4194477.85	3.03E-07	2.48E-07	5.51E-07	5.02E-08	4.30E-08	9.32E-08	2.77E-08	2.13E-08	4.90E-08	3.13E-07	2.48E-07	5.61E-07
428	652116.35	4194499.27	2.90E-07	2.37E-07	5.27E-07	4.81E-08	4.11E-08	8.92E-08	2.65E-08	2.04E-08	4.69E-08	3.00E-07	2.38E-07	5.37E-07
429	652127.17	4194531.4	2.71E-07	2.21E-07	4.93E-07	4.49E-08	3.84E-08	8.34E-08	2.47E-08	1.91E-08	4.38E-08	2.80E-07	2.22E-07	5.02E-07
430	652097.88	4194148.72	2.80E-07	2.28E-07	5.08E-07	4.64E-08	3.97E-08	8.60E-08	2.55E-08	1.97E-08	4.52E-08	2.89E-07	2.29E-07	5.18E-07
431	652108.66	4194180.71	2.88E-07	2.35E-07	5.22E-07	4.77E-08	4.08E-08	8.84E-08	2.62E-08	2.02E-08	4.65E-08	2.97E-07	2.36E-07	5.32E-07
432	652119.44	4194212.71	2.92E-07	2.38E-07	5.31E-07	4.84E-08	4.14E-08	8.98E-08	2.66E-08	2.05E-08	4.72E-08	3.01E-07	2.39E-07	5.41E-07
433	652130.22	4194244.7	2.93E-07	2.39E-07	5.32E-07	4.85E-08	4.15E-08	9.01E-08	2.67E-08	2.06E-08	4.73E-08	3.02E-07	2.40E-07	5.42E-07
434	652141	4194276.7	2.90E-07	2.37E-07	5.27E-07	4.81E-08	4.11E-08	8.92E-08	2.65E-08	2.04E-08	4.69E-08	2.99E-07	2.38E-07	5.37E-07
435	652151.77	4194308.69	2.84E-07	2.32E-07	5.16E-07	4.71E-08	4.03E-08	8.74E-08	2.59E-08	2.00E-08	4.59E-08	2.93E-07	2.33E-07	5.26E-07
436	652158.96	4194330.02	2.79E-07	2.28E-07	5.06E-07	4.62E-08	3.95E-08	8.57E-08	2.54E-08	1.96E-08	4.50E-08	2.88E-07	2.28E-07	5.16E-07
437	652166.15	4194351.36	2.72E-07	2.22E-07	4.95E-07	4.51E-08	3.86E-08	8.37E-08	2.48E-08	1.92E-08	4.40E-08	2.81E-07	2.23E-07	5.04E-07
438	652176.92	4194383.35	2.61E-07	2.13E-07	4.75E-07	4.33E-08	3.70E-08	8.04E-08	2.38E-08	1.84E-08	4.22E-08	2.70E-07	2.14E-07	4.84E-07
439	652187.7	4194415.35	2.49E-07	2.03E-07	4.52E-07	4.12E-08	3.53E-08	7.65E-08	2.27E-08	1.75E-08	4.02E-08	2.57E-07	2.04E-07	4.60E-07
440	652198.48	4194447.34	2.35E-07	1.92E-07	4.28E-07	3.90E-08	3.34E-08	7.24E-08	2.15E-08	1.66E-08	3.80E-08	2.43E-07	1.93E-07	4.36E-07
441	652209.26	4194479.34	2.22E-07	1.81E-07	4.03E-07	3.68E-08	3.14E-08	6.82E-08	2.02E-08	1.56E-08	3.58E-08	2.29E-07	1.82E-07	4.11E-07
442	652220.04	4194511.33	2.09E-07	1.70E-07	3.79E-07	3.46E-08	2.96E-08	6.41E-08	1.90E-08	1.47E-08	3.37E-08	2.15E-07	1.71E-07	3.86E-07
443	652230.82	4194543.33	1.96E-07	1.60E-07	3.57E-07	3.25E-08	2.78E-08	6.04E-08	1.79E-08	1.38E-08	3.17E-08	2.03E-07	1.61E-07	3.63E-07
444	652255.76	4194025.91	1.85E-07	1.51E-07	3.37E-07	3.07E-08	2.63E-08	5.70E-08	1.69E-08	1.30E-08	3.00E-08	1.91E-07	1.52E-07	3.43E-07
445	652266.48	4194057.73	1.90E-07	1.55E-07	3.45E-07	3.15E-08	2.69E-08	5.84E-08	1.73E-08	1.34E-08	3.07E-08	1.96E-07	1.55E-07	3.51E-07
446	652277.2	4194089.55	1.93E-07	1.57E-07	3.50E-07	3.19E-08	2.73E-08	5.92E-08	1.76E-08	1.35E-08	3.11E-08	1.99E-07	1.58E-07	3.56E-07
447	652287.92	4194121.38	1.94E-07	1.58E-07	3.52E-07	3.21E-08	2.74E-08	5.95E-08	1.77E-08	1.36E-08	3.13E-08	2.00E-07	1.59E-07	3.58E-07
448	652298.64	4194153.2	1.93E-07	1.58E-07	3.50E-07	3.20E-08	2.73E-08	5.93E-08	1.76E-08	1.36E-08	3.12E-08	1.99E-07	1.58E-07	3.57E-07
449	652309.36	4194185.02	1.91E-07	1.56E-07	3.46E-07	3.16E-08	2.70E-08	5.86E-08	1.74E-08	1.34E-08	3.08E-08	1.97E-07	1.56E-07	3.53E-07
450	652320.08	4194216.85	1.87E-07	1.53E-07	3.40E-07	3.10E-08	2.65E-08	5.75E-08	1.71E-08	1.32E-08	3.02E-08	1.93E-07	1.53E-07	3.46E-07
451	652330.8	4194248.67	1.82E-07	1.49E-07	3.31E-07	3.02E-08	2.58E-08	5.60E-08	1.66E-08	1.28E-08	2.94E-08	1.88E-07	1.49E-07	3.37E-07
452	652341.53	4194280.49	1.76E-07	1.44E-07	3.21E-07	2.92E-08	2.50E-08	5.43E-08	1.61E-08	1.24E-08	2.85E-08	1.82E-07	1.45E-07	3.27E-07
453	652352.25	4194312.32	1.70E-07	1.39E-07	3.09E-07	2.82E-08	2.41E-08	5.23E-08	1.55E-08	1.20E-08	2.75E-08	1.76E-07	1.39E-07	3.15E-07
454	652362.97	4194344.14	1.63E-07	1.33E-07	2.97E-07	2.71E-08	2.32E-08	5.02E-08	1.49E-08	1.15E-08	2.64E-08	1.69E-07	1.34E-07	3.02E-07
455	652370.11	4194365.36	1.59E-07	1.29E-07	2.88E-07	2.63E-08	2.25E-08	4.87E-08	1.45E-08	1.12E-08	2.56E-08	1.64E-07	1.30E-07	2.93E-07
456	652380.84	4194397.18	1.52E-07	1.24E-07	2.75E-07	2.51E-08	2.15E-08	4.66E-08	1.38E-08	1.07E-08	2.45E-08	1.56E-07	1.24E-07	2.81E-07
457	652387.98	4194418.39	1.47E-07	1.20E-07	2.67E-07	2.44E-08	2.08E-08	4.52E-08	1.34E-08	1.03E-08	2.38E-08	1.52E-07	1.20E-07	2.72E-07
458	652398.7	4194450.22	1.40E-07	1.14E-07	2.54E-07	2.32E-08	1.98E-08	4.30E-08	1.28E-08	9.85E-09	2.26E-08	1.44E-07	1.15E-07	2.59E-07
459	652405.85	4194471.43	1.35E-07	1.11E-07	2.46E-07	2.24E-08	1.92E-08	4.16E-08	1.24E-08	9.52E-09	2.19E-08	1.40E-07	1.11E-07	2.51E-07
460	652416.57	4194503.26	1.29E-07	1.05E-07	2.34E-07	2.14E-08	1.83E-08	3.96E-08	1.18E-08	9.07E-09	2.08E-08	1.33E-07	1.06E-07	2.39E-07
461	652427.29	4194535.08	1.23E-07	1.00E-07	2.23E-07	2.04E-08	1.74E-08	3.78E-08	1.12E-08	8.65E-09	1.99E-08	1.27E-07	1.01E-07	2.28E-07
462	652413.65	4193903.12	1.32E-07	1.08E-07	2.41E-07	2.20E-08	1.88E-08	4.07E-08	1.21E-08	9.32E-09	2.14E-08	1.37E-07	1.09E-07	2.45E-07
463	652424.33	4193934.83	1.35E-07	1.10E-07	2.46E-07	2.24E-08	1.92E-08	4.16E-08	1.23E-08	9.52E-09	2.19E-08	1.40E-07	1.11E-07	2.50E-07
464	652435.01	4193966.55	1.37E-07	1.12E-07	2.49E-07	2.27E-08	1.94E-08	4.22E-08	1.25E-08	9.65E-09	2.22E-08	1.42E-07	1.12E-07	2.54E-07
465	652445.7	4193998.26	1.38E-07	1.13E-07	2.51E-07	2.29E-08	1.96E-08	4.25E-08	1.26E-08	9.71E-09	2.23E-08	1.42E-07	1.13E-07	2.56E-07
466	652456.38	4194029.98	1.38E-07	1.13E-07	2.51E-07	2.29E-08	1.96E-08	4.24E-08	1.26E-08	9.71E-09	2.23E-08	1.42E-07	1.13E-07	2.55E-07
467	652467.07	4194061.69	1.37E-07	1.12E-07	2.49E-07	2.27E-08	1.95E-08	4.22E-08	1.25E-08	9.66E-09	2.22E-08	1.42E-07	1.12E-07	2.54E-07
468	652477.75	4194093.41	1.35E-07	1.11E-07	2.46E-07	2.24E-08	1.92E-08	4.17E-08	1.24E-08	9.53E-09	2.19E-08	1.40E-07	1.11E-07	2.51E-07
469	652488.43	4194125.12	1.33E-07	1.09E-07	2.42E-07	2.21E-08	1.89E-08	4.09E-08	1.21E-08	9.36E-09	2.15E-08	1.37E-07	1.09E-07	2.46E-07
470	652499.12	4194156.84	1.30E-07	1.06E-07	2.36E-07	2.16E-08	1.85E-08	4.00E-08	1.19E-08	9.16E-09	2.10E-08	1.34E-07	1.07E-07	2.41E-07

471	652509.8	4194188.55	1.27E-07	1.04E-07	2.30E-07	2.10E-08	1.80E-08	3.90E-08	1.16E-08	8.93E-09	2.05E-08	1.31E-07	1.04E-07	2.35E-07
472	652520.49	4194220.26	1.23E-07	1.01E-07	2.24E-07	2.04E-08	1.75E-08	3.79E-08	1.12E-08	8.67E-09	1.99E-08	1.27E-07	1.01E-07	2.28E-07
473	652531.17	4194251.98	1.19E-07	9.74E-08	2.17E-07	1.98E-08	1.69E-08	3.67E-08	1.09E-08	8.40E-09	1.93E-08	1.23E-07	9.77E-08	2.21E-07
474	652541.86	4194283.69	1.15E-07	9.41E-08	2.09E-07	1.91E-08	1.63E-08	3.54E-08	1.05E-08	8.10E-09	1.86E-08	1.19E-07	9.43E-08	2.13E-07
475	652552.54	4194315.41	1.11E-07	9.06E-08	2.01E-07	1.84E-08	1.57E-08	3.41E-08	1.01E-08	7.80E-09	1.79E-08	1.14E-07	9.08E-08	2.05E-07
476	652563.22	4194347.12	1.07E-07	8.70E-08	1.94E-07	1.77E-08	1.51E-08	3.28E-08	9.72E-09	7.50E-09	1.72E-08	1.10E-07	8.73E-08	1.97E-07
477	652570.35	4194368.27	1.04E-07	8.46E-08	1.88E-07	1.72E-08	1.47E-08	3.19E-08	9.45E-09	7.29E-09	1.67E-08	1.07E-07	8.49E-08	1.92E-07
478	652581.03	4194399.98	9.94E-08	8.12E-08	1.81E-07	1.65E-08	1.41E-08	3.06E-08	9.07E-09	6.99E-09	1.61E-08	1.03E-07	8.14E-08	1.84E-07
479	652591.71	4194431.69	9.53E-08	7.79E-08	1.73E-07	1.58E-08	1.35E-08	2.93E-08	8.70E-09	6.71E-09	1.54E-08	9.84E-08	7.81E-08	1.77E-07
480	652598.84	4194452.84	9.28E-08	7.58E-08	1.69E-07	1.54E-08	1.32E-08	2.85E-08	8.47E-09	6.53E-09	1.50E-08	9.58E-08	7.60E-08	1.72E-07
481	652609.52	4194484.55	8.92E-08	7.29E-08	1.62E-07	1.48E-08	1.26E-08	2.74E-08	8.14E-09	6.28E-09	1.44E-08	9.21E-08	7.31E-08	1.65E-07
482	652620.21	4194516.27	8.59E-08	7.02E-08	1.56E-07	1.42E-08	1.22E-08	2.64E-08	7.84E-09	6.05E-09	1.39E-08	8.87E-08	7.04E-08	1.59E-07
483	652630.89	4194547.98	8.31E-08	6.78E-08	1.51E-07	1.38E-08	1.18E-08	2.55E-08	7.58E-09	5.84E-09	1.34E-08	8.57E-08	6.80E-08	1.54E-07
484	652571.58	4193780.48	1.00E-07	8.19E-08	1.82E-07	1.66E-08	1.42E-08	3.09E-08	9.16E-09	7.06E-09	1.62E-08	1.04E-07	8.22E-08	1.86E-07
485	652582.38	4193812.54	1.02E-07	8.34E-08	1.86E-07	1.69E-08	1.45E-08	3.14E-08	9.32E-09	7.19E-09	1.65E-08	1.05E-07	8.37E-08	1.89E-07
486	652589.58	4193833.91	1.03E-07	8.42E-08	1.87E-07	1.71E-08	1.46E-08	3.17E-08	9.41E-09	7.26E-09	1.67E-08	1.06E-07	8.45E-08	1.91E-07
487	652600.38	4193865.96	1.04E-07	8.50E-08	1.89E-07	1.72E-08	1.48E-08	3.20E-08	9.49E-09	7.32E-09	1.68E-08	1.07E-07	8.52E-08	1.93E-07
488	652611.18	4193898.02	1.04E-07	8.52E-08	1.89E-07	1.73E-08	1.48E-08	3.21E-08	9.52E-09	7.34E-09	1.69E-08	1.08E-07	8.54E-08	1.93E-07
489	652618.38	4193919.39	1.04E-07	8.50E-08	1.89E-07	1.73E-08	1.48E-08	3.20E-08	9.50E-09	7.33E-09	1.68E-08	1.07E-07	8.53E-08	1.93E-07
490	652629.18	4193951.45	1.03E-07	8.45E-08	1.88E-07	1.72E-08	1.47E-08	3.18E-08	9.44E-09	7.28E-09	1.67E-08	1.07E-07	8.48E-08	1.92E-07
491	652639.98	4193983.5	1.02E-07	8.35E-08	1.86E-07	1.70E-08	1.45E-08	3.15E-08	9.33E-09	7.20E-09	1.65E-08	1.06E-07	8.38E-08	1.89E-07
492	652650.78	4194015.56	1.01E-07	8.22E-08	1.83E-07	1.67E-08	1.43E-08	3.10E-08	9.19E-09	7.09E-09	1.63E-08	1.04E-07	8.25E-08	1.86E-07
493	652657.98	4194036.93	9.96E-08	8.13E-08	1.81E-07	1.65E-08	1.41E-08	3.06E-08	9.09E-09	7.01E-09	1.61E-08	1.03E-07	8.16E-08	1.84E-07
494	652668.78	4194068.98	9.77E-08	7.98E-08	1.77E-07	1.62E-08	1.38E-08	3.00E-08	8.91E-09	6.87E-09	1.58E-08	1.01E-07	8.00E-08	1.81E-07
495	652679.57	4194101.04	9.55E-08	7.80E-08	1.74E-07	1.58E-08	1.35E-08	2.94E-08	8.72E-09	6.72E-09	1.54E-08	9.86E-08	7.83E-08	1.77E-07
496	652686.77	4194122.41	9.40E-08	7.68E-08	1.71E-07	1.56E-08	1.33E-08	2.89E-08	8.58E-09	6.62E-09	1.52E-08	9.70E-08	7.70E-08	1.74E-07
497	652697.57	4194154.47	9.16E-08	7.48E-08	1.66E-07	1.52E-08	1.30E-08	2.82E-08	8.36E-09	6.45E-09	1.48E-08	9.45E-08	7.50E-08	1.70E-07
498	652708.37	4194186.52	8.90E-08	7.27E-08	1.62E-07	1.48E-08	1.26E-08	2.74E-08	8.12E-09	6.26E-09	1.44E-08	9.19E-08	7.29E-08	1.65E-07
499	652715.57	4194207.89	8.72E-08	7.12E-08	1.58E-07	1.45E-08	1.24E-08	2.68E-08	7.96E-09	6.14E-09	1.41E-08	9.00E-08	7.15E-08	1.61E-07
500	652726.37	4194239.95	8.44E-08	6.90E-08	1.53E-07	1.40E-08	1.20E-08	2.60E-08	7.70E-09	5.94E-09	1.36E-08	8.72E-08	6.92E-08	1.56E-07
501	652737.17	4194272.01	8.16E-08	6.66E-08	1.48E-07	1.35E-08	1.16E-08	2.51E-08	7.44E-09	5.74E-09	1.32E-08	8.42E-08	6.68E-08	1.51E-07
502	652744.37	4194293.38	7.97E-08	6.51E-08	1.45E-07	1.32E-08	1.13E-08	2.45E-08	7.27E-09	5.61E-09	1.29E-08	8.22E-08	6.53E-08	1.48E-07
503	652755.17	4194325.43	7.68E-08	6.28E-08	1.40E-07	1.27E-08	1.09E-08	2.36E-08	7.01E-09	5.41E-09	1.24E-08	7.93E-08	6.29E-08	1.42E-07
504	652762.37	4194346.8	7.50E-08	6.13E-08	1.36E-07	1.24E-08	1.06E-08	2.31E-08	6.84E-09	5.28E-09	1.21E-08	7.74E-08	6.14E-08	1.39E-07
505	652773.17	4194378.86	7.24E-08	5.91E-08	1.31E-07	1.20E-08	1.03E-08	2.23E-08	6.60E-09	5.09E-09	1.17E-08	7.47E-08	5.93E-08	1.34E-07
506	652783.97	4194410.92	6.99E-08	5.71E-08	1.27E-07	1.16E-08	9.91E-09	2.15E-08	6.38E-09	4.92E-09	1.13E-08	7.21E-08	5.72E-08	1.29E-07
507	652791.17	4194432.29	6.83E-08	5.58E-08	1.24E-07	1.13E-08	9.69E-09	2.10E-08	6.23E-09	4.81E-09	1.10E-08	7.05E-08	5.60E-08	1.26E-07
508	652801.97	4194464.34	6.62E-08	5.40E-08	1.20E-07	1.10E-08	9.38E-09	2.03E-08	6.04E-09	4.66E-09	1.07E-08	6.83E-08	5.42E-08	1.22E-07
509	652812.76	4194496.4	6.42E-08	5.24E-08	1.17E-07	1.06E-08	9.10E-09	1.97E-08	5.86E-09	4.52E-09	1.04E-08	6.63E-08	5.26E-08	1.19E-07
510	652819.96	4194517.77	6.30E-08	5.15E-08	1.14E-07	1.04E-08	8.93E-09	1.94E-08	5.75E-09	4.43E-09	1.02E-08	6.50E-08	5.16E-08	1.17E-07
511	652830.76	4194549.82	6.14E-08	5.02E-08	1.12E-07	1.02E-08	8.71E-09	1.89E-08	5.60E-09	4.32E-09	9.93E-09	6.34E-08	5.03E-08	1.14E-07
512	652729.47	4193657.69	7.91E-08	6.46E-08	1.44E-07	1.31E-08	1.12E-08	2.43E-08	7.22E-09	5.57E-09	1.28E-08	8.17E-08	6.48E-08	1.47E-07
513	652740.23	4193689.64	8.05E-08	6.58E-08	1.46E-07	1.33E-08	1.14E-08	2.48E-08	7.35E-09	5.67E-09	1.30E-08	8.31E-08	6.60E-08	1.49E-07
514	652750.99	4193721.58	8.15E-08	6.66E-08	1.48E-07	1.35E-08	1.16E-08	2.51E-08	7.44E-09	5.73E-09	1.32E-08	8.41E-08	6.68E-08	1.51E-07
515	652758.17	4193742.88	8.19E-08	6.69E-08	1.49E-07	1.36E-08	1.16E-08	2.52E-08	7.48E-09	5.77E-09	1.32E-08	8.46E-08	6.71E-08	1.52E-07
516	652768.93	4193774.82	8.22E-08	6.72E-08	1.49E-07	1.36E-08	1.17E-08	2.53E-08	7.50E-09	5.79E-09	1.33E-08	8.49E-08	6.74E-08	1.52E-07
517	652779.69	4193806.76	8.20E-08	6.70E-08	1.49E-07	1.36E-08	1.16E-08	2.52E-08	7.49E-09	5.77E-09	1.33E-08	8.47E-08	6.72E-08	1.52E-07
518	652790.45	4193838.71	8.15E-08	6.66E-08	1.48E-07	1.35E-08	1.16E-08	2.51E-08	7.44E-09	5.73E-09	1.32E-08	8.41E-08	6.68E-08	1.51E-07
519	652801.21	4193870.65	8.06E-08	6.58E-08	1.46E-07	1.34E-08	1.14E-08	2.48E-08	7.35E-09	5.67E-09	1.30E-08	8.32E-08	6.60E-08	1.49E-07
520	652811.97	4193902.6	7.95E-08	6.49E-08	1.44E-07	1.32E-08	1.13E-08	2.44E-08	7.25E-09	5.59E-09	1.28E-08	8.20E-08	6.51E-08	1.47E-07
521	652819.15	4193923.89	7.87E-08	6.43E-08	1.43E-07	1.30E-08	1.12E-08	2.42E-08	7.18E-09	5.54E-09	1.27E-08	8.12E-08	6.45E-08	1.46E-07
522	652829.91	4193955.84	7.74E-08	6.32E-08	1.41E-07	1.28E-08	1.10E-08	2.38E-08	7.06E-09	5.45E-09	1.25E-08	7.99E-08	6.34E-08	1.43E-07
523	652837.08	4193977.13	7.65E-08	6.25E-08	1.39E-07	1.27E-08	1.08E-08	2.35E-08	6.98E-09	5.38E-09	1.24E-08	7.89E-08	6.27E-08	1.42E-07
524	652847.85	4194009.08	7.51E-08	6.13E-08	1.36E-07	1.24E-08	1.06E-08	2.31E-08	6.85E-09	5.28E-09	1.21E-08	7.75E-08	6.15E-08	1.39E-07
525	652858.61	4194041.02	7.36E-08	6.01E-08	1.34E-07	1.22E-08	1.04E-08	2.26E-08	6.72E-09	5.18E-09	1.19E-08	7.60E-08	6.03E-08	1.36E-07
526	652869.37	4194072.96	7.20E-08	5.88E-08	1.31E-07	1.19E-08	1.02E-08	2.21E-08	6.57E-09	5.07E-09	1.16E-08	7.43E-08	5.90E-08	1.33E-07
527	652880.13	4194104.91	7.03E-08	5.74E-08	1.28E-07	1.17E-08	9.97E-09	2.16E-08	6.41E-09	4.95E-09	1.14E-08	7.26E-08	5.76E-08	1.30E-07
528	652890.89	4194136.85	6.85E-08	5.59E-08	1.24E-07	1.14E-08	9.71E-09	2.11E-08	6.25E-09	4.82E-09	1.11E-08	7.07E-08	5.61E-08	1.27E-07
529	652898.06	4194158.15	6.72E-08	5.49E-08	1.22E-07	1.11E-08	9.53E-09	2.07E-08	6.13E-09	4.73E-09	1.09E-08	6.94E-08	5.51E-08	1.24E-07
530	652908.83	4194190.09	6.53E-08	5.34E-08	1.19E-07	1.08E-08	9.26E-09	2.01E-08	5.96E-09	4.60E-09	1.06E-08	6.74E-08	5.35E-08	1.21E-07
531	652916	4194211.39	6.40E-08	5.23E-08	1.16E-07	1.06E-08	9.08E-09	1.97E-08	5.84E-09	4.50E-09	1.03E-08	6.61E-08	5.24E-08	1.19E-07
532	652926.76	4194243.33	6.20E-08	5.07E-08	1.13E-07	1.03E-08	8.80E-09	1.91E-08	5.66E-09	4.37E-09	1.00E-08	6.40E-08	5.08E-08	1.15E-07
533	652933.94	4194264.63	6.07E-08	4.96E-08	1.10E-07	1.01E-08	8.61E-09	1.87E-08	5.54E-09	4.27E-09	9.82E-09	6.27E-08	4.98E-08	1.12E-07
534	652944.7	4194296.57	5.89E-08	4.81E-08	1.07E-07	9.75E-09	8.34E-09	1.81E-08	5.37E-09	4.14E-09	9.51E-09	6.07E-08	4.82E-08	1.09E-07
535	652951.87	4194317.87	5.76E-08	4.71E-08	1.05E-07	9.55E-09	8.17E-09	1.77E-08	5.26E-09	4.06E-09	9.31E-09	5.95E-08	4.72E-08	1.07E-07
536	652962.63	4194349.81	5.59E-08	4.57E-08	1.02E-07	9.27E-09	7.93E-09	1.72E-08	5.10E-09	3.93E-09	9.04E-09	5.77E-08	4.58E-08	1.04E-07
537	652973.39	4194381.75	5.43E-08	4.44E-08	9.87E-08	9.00E-09	7.70E-09	1.67E-08	4.96E-09	3.82E-09	8.78E-09	5.61E-08	4.45E-08	1.01E-07
538	652984.16	4194413.7	5.28E-08	4.32E-08	9.60E-08	8.76E-09	7.49E-09	1.63E-08	4.82E-09	3.72E-09	8.54E-09	5.45E-08	4.33E-08	9.78E-08
539	652991.33	4194434.99	5.19E-08	4.24E-08	9.43E-08	8.61E-09	7.36E-09	1.60E-08	4.74E-09	3.65E-09	8.39E-09	5.36E-08	4.25E-08	9.61E-08
540	652998.5	4194456.29	5.11E-08	4.17E-08	9.28E-08	8.46E-09	7.24E-09	1.57E-08	4.66E-09	3.59E-09	8.25E-09	5.27E-08	4.18E-08	9.45E-08
541	653009.27	4194488.23	4.99E-08	4.07E-08	9.06E-08	8.27E-09	7.07E-09	1.53E-08	4.55E-09	3.51E-09	8.06E-09	5.15E-08	4.09E-08	9.23E-08
542	653016.44	4194509.53	4.92E-08	4.01E-08	8.93E-08	8.15E-09	6.97E-09	1.51E-08	4.49E-09	3.46E-09	7.94E-09	5.07E-08	4.03E-08	9.10E-08
543	653023.61	4194530.83	4.85E-08	3.96E-08	8.81E-08	8.04E-09	6.88E-09	1.49E-08	4.42E-09	3.41E-09	7.84E-09	5.00E-08	3.97E-08	8.98E-08
544	653034.38	4194562.77	4.76E-08	3.89E-08	8.65E-08	7.89E-09	6.75E-09	1.46E-08	4.34E-09	3.35E-09	7.69E-09	4.91E-08	3.90E-08	8.81E-08
545	651590.13	4194476.98	2.79E-06	2.28E-06	5.07E-06	4.62E-07	3.95E-07	8.58E-07	2.54E-07	1.96E-07	4.51E-07	2.88E-06	2.28E-06	5.16E-06
546	651607.76	4194492.27	2.95E-06	2.41E-06	5.37E-06	4.90E-07	4.19E-07	9.09E-07	2.70E-07	2.08E-07	4.77E-07	3.05E-06	2.42E-06	5.47E-06
547	651615.33	4194433.92	1.88E-06	1.54E-06	3.42E-06	3.12E-07	2.67E-07	5.79E-07	1.72E-07	1.32E-07	3.04E-07	1.94E-06	1.54E-06	3.48E-06
548	651634.22	4194450.3	2.02E-06	1.65E-06	3.67E-06	3.35E-07	2.86E-07	6.21E-07	1.84E-07	1.42E-07	3.26E-07	2.08E-06	1.65E-06	3.74E-06
549	651639.69	4194390.13	1.35E-06	1.10E-06	2.45E-06	2.24E-07	1.91E-07	4.15E-07	1.23E-07	9.49E-08	2.18E-07	1.39E-06	1.10E-06	2.50E-06

550	651657.33	4194405.42	1.45E-06	1.18E-06	2.63E-06	2.40E-07	2.05E-07	4.45E-07	1.32E-07	1.02E-07	2.34E-07	1.49E-06	1.19E-06	2.68E-06
551	651674.96	4194420.7	1.51E-06	1.24E-06	2.75E-06	2.51E-07	2.15E-07	4.66E-07	1.38E-07	1.07E-07	2.45E-07	1.56E-06	1.24E-06	2.80E-06
552	651664.72	4194346.92	1.01E-06	8.28E-07	1.84E-06	1.68E-07	1.44E-07	3.12E-07	9.25E-08	7.13E-08	1.64E-07	1.05E-06	8.30E-07	1.88E-06
553	651683.09	4194362.84	1.09E-06	8.91E-07	1.98E-06	1.81E-07	1.55E-07	3.36E-07	9.96E-08	7.68E-08	1.76E-07	1.13E-06	8.94E-07	2.02E-06
554	651701.45	4194378.76	1.15E-06	9.39E-07	2.09E-06	1.90E-07	1.63E-07	3.53E-07	1.05E-07	8.09E-08	1.86E-07	1.19E-06	9.41E-07	2.13E-06
555	651719.82	4194394.69	1.18E-06	9.67E-07	2.15E-06	1.96E-07	1.68E-07	3.64E-07	1.08E-07	8.33E-08	1.91E-07	1.22E-06	9.69E-07	2.19E-06
556	651689.68	4194303.64	7.87E-07	6.43E-07	1.43E-06	1.31E-07	1.12E-07	2.42E-07	7.18E-08	5.54E-08	1.27E-07	8.13E-07	6.45E-07	1.46E-06
557	651708.57	4194320.02	8.48E-07	6.93E-07	1.54E-06	1.41E-07	1.20E-07	2.61E-07	7.74E-08	5.97E-08	1.37E-07	8.75E-07	6.95E-07	1.57E-06
558	651727.46	4194336.4	8.97E-07	7.33E-07	1.63E-06	1.49E-07	1.27E-07	2.76E-07	8.18E-08	6.31E-08	1.45E-07	9.26E-07	7.35E-07	1.66E-06
559	651746.35	4194352.78	9.31E-07	7.60E-07	1.69E-06	1.54E-07	1.32E-07	2.86E-07	8.49E-08	6.55E-08	1.50E-07	9.61E-07	7.63E-07	1.72E-06
560	651765.24	4194369.15	9.48E-07	7.74E-07	1.72E-06	1.57E-07	1.34E-07	2.92E-07	8.65E-08	6.67E-08	1.53E-07	9.78E-07	7.77E-07	1.76E-06
561	651739.13	4194216.69	5.11E-07	4.17E-07	9.29E-07	8.47E-08	7.25E-08	1.57E-07	4.66E-08	3.60E-08	8.26E-08	5.28E-07	4.19E-07	9.46E-07
562	651757.69	4194232.78	5.47E-07	4.47E-07	9.94E-07	9.07E-08	7.76E-08	1.68E-07	4.99E-08	3.85E-08	8.85E-08	5.65E-07	4.48E-07	1.01E-06
563	651776.25	4194248.87	5.79E-07	4.73E-07	1.05E-06	9.60E-08	8.21E-08	1.78E-07	5.29E-08	4.08E-08	9.36E-08	5.98E-07	4.75E-07	1.07E-06
564	651794.81	4194264.96	6.06E-07	4.95E-07	1.10E-06	1.00E-07	8.59E-08	1.86E-07	5.53E-08	4.26E-08	9.79E-08	6.25E-07	4.96E-07	1.12E-06
565	651813.37	4194281.06	6.26E-07	5.11E-07	1.14E-06	1.04E-07	8.88E-08	1.93E-07	5.71E-08	4.41E-08	1.01E-07	6.46E-07	5.13E-07	1.16E-06
566	651831.93	4194297.15	6.39E-07	5.22E-07	1.16E-06	1.06E-07	9.06E-08	1.97E-07	5.83E-08	4.50E-08	1.03E-07	6.60E-07	5.23E-07	1.18E-06
567	651788.9	4194130.01	3.58E-07	2.92E-07	6.50E-07	5.93E-08	5.07E-08	1.10E-07	3.26E-08	2.52E-08	5.78E-08	3.69E-07	2.93E-07	6.62E-07
568	651808.06	4194146.63	3.82E-07	3.12E-07	6.93E-07	6.32E-08	5.41E-08	1.17E-07	3.48E-08	2.68E-08	6.17E-08	3.94E-07	3.13E-07	7.06E-07
569	651827.23	4194163.24	4.03E-07	3.29E-07	7.33E-07	6.68E-08	5.72E-08	1.24E-07	3.68E-08	2.84E-08	6.52E-08	4.16E-07	3.30E-07	7.47E-07
570	651846.39	4194179.86	4.23E-07	3.45E-07	7.68E-07	7.00E-08	5.99E-08	1.30E-07	3.86E-08	2.97E-08	6.83E-08	4.36E-07	3.46E-07	7.82E-07
571	651865.55	4194196.48	4.39E-07	3.58E-07	7.97E-07	7.27E-08	6.22E-08	1.35E-07	4.00E-08	3.09E-08	7.09E-08	4.53E-07	3.59E-07	8.12E-07
572	651884.72	4194213.09	4.52E-07	3.69E-07	8.20E-07	7.49E-08	6.40E-08	1.39E-07	4.12E-08	3.18E-08	7.30E-08	4.66E-07	3.70E-07	8.36E-07
573	651903.88	4194229.71	4.60E-07	3.76E-07	8.36E-07	7.63E-08	6.53E-08	1.42E-07	4.20E-08	3.24E-08	7.44E-08	4.75E-07	3.77E-07	8.52E-07
574	651923.05	4194246.32	4.65E-07	3.79E-07	8.44E-07	7.70E-08	6.59E-08	1.43E-07	4.24E-08	3.27E-08	7.51E-08	4.79E-07	3.80E-07	8.60E-07
575	651838.37	4194043.08	2.64E-07	2.15E-07	4.79E-07	4.37E-08	3.74E-08	8.11E-08	2.41E-08	1.86E-08	4.26E-08	2.72E-07	2.16E-07	4.88E-07
576	651857.26	4194059.46	2.80E-07	2.28E-07	5.08E-07	4.63E-08	3.96E-08	8.60E-08	2.55E-08	1.97E-08	4.52E-08	2.88E-07	2.29E-07	5.17E-07
577	651876.15	4194075.84	2.94E-07	2.40E-07	5.35E-07	4.88E-08	4.17E-08	9.05E-08	2.68E-08	2.07E-08	4.76E-08	3.04E-07	2.41E-07	5.45E-07
578	651895.04	4194092.22	3.08E-07	2.51E-07	5.59E-07	5.10E-08	4.36E-08	9.47E-08	2.81E-08	2.17E-08	4.97E-08	3.18E-07	2.52E-07	5.70E-07
579	651913.93	4194108.59	3.20E-07	2.61E-07	5.81E-07	5.30E-08	4.54E-08	9.84E-08	2.92E-08	2.25E-08	5.17E-08	3.30E-07	2.62E-07	5.92E-07
580	651932.82	4194124.97	3.30E-07	2.70E-07	6.00E-07	5.48E-08	4.69E-08	1.02E-07	3.02E-08	2.33E-08	5.34E-08	3.41E-07	2.71E-07	6.12E-07
581	651951.71	4194141.35	3.39E-07	2.77E-07	6.16E-07	5.62E-08	4.81E-08	1.04E-07	3.09E-08	2.39E-08	5.48E-08	3.50E-07	2.78E-07	6.28E-07
582	651970.6	4194157.73	3.46E-07	2.82E-07	6.28E-07	5.73E-08	4.90E-08	1.06E-07	3.15E-08	2.43E-08	5.59E-08	3.57E-07	2.83E-07	6.40E-07
583	651989.5	4194174.11	3.50E-07	2.86E-07	6.36E-07	5.80E-08	4.96E-08	1.08E-07	3.19E-08	2.46E-08	5.65E-08	3.61E-07	2.87E-07	6.48E-07
584	651888.06	4193956.34	2.03E-07	1.66E-07	3.68E-07	3.36E-08	2.88E-08	6.24E-08	1.85E-08	1.43E-08	3.28E-08	2.09E-07	1.66E-07	3.76E-07
585	651907.35	4193973.06	2.14E-07	1.75E-07	3.89E-07	3.55E-08	3.04E-08	6.59E-08	1.95E-08	1.51E-08	3.46E-08	2.21E-07	1.75E-07	3.96E-07
586	651926.63	4193989.78	2.25E-07	1.84E-07	4.08E-07	3.73E-08	3.19E-08	6.91E-08	2.05E-08	1.58E-08	3.63E-08	2.32E-07	1.84E-07	4.16E-07
587	651945.92	4194006.5	2.35E-07	1.92E-07	4.27E-07	3.89E-08	3.33E-08	7.22E-08	2.14E-08	1.65E-08	3.79E-08	2.42E-07	1.92E-07	4.35E-07
588	651965.2	4194023.22	2.44E-07	1.99E-07	4.43E-07	4.04E-08	3.46E-08	7.50E-08	2.23E-08	1.72E-08	3.94E-08	2.52E-07	2.00E-07	4.52E-07
589	651984.49	4194039.94	2.52E-07	2.06E-07	4.58E-07	4.18E-08	3.57E-08	7.75E-08	2.30E-08	1.77E-08	4.07E-08	2.60E-07	2.07E-07	4.67E-07
590	652003.77	4194056.66	2.59E-07	2.12E-07	4.71E-07	4.30E-08	3.68E-08	7.97E-08	2.37E-08	1.82E-08	4.19E-08	2.68E-07	2.12E-07	4.80E-07
591	652023.05	4194073.38	2.65E-07	2.17E-07	4.82E-07	4.40E-08	3.76E-08	8.15E-08	2.42E-08	1.87E-08	4.29E-08	2.74E-07	2.17E-07	4.91E-07
592	652042.34	4194090.1	2.70E-07	2.20E-07	4.90E-07	4.47E-08	3.83E-08	8.30E-08	2.46E-08	1.90E-08	4.36E-08	2.79E-07	2.21E-07	5.00E-07
593	652061.62	4194106.82	2.73E-07	2.23E-07	4.97E-07	4.53E-08	3.87E-08	8.40E-08	2.49E-08	1.92E-08	4.42E-08	2.82E-07	2.24E-07	5.06E-07
594	652080.91	4194123.54	2.75E-07	2.25E-07	5.00E-07	4.56E-08	3.90E-08	8.46E-08	2.51E-08	1.94E-08	4.44E-08	2.84E-07	2.25E-07	5.09E-07
595	651987.21	4193782.65	1.31E-07	1.07E-07	2.38E-07	2.18E-08	1.86E-08	4.04E-08	1.20E-08	9.23E-09	2.12E-08	1.35E-07	1.08E-07	2.43E-07
596	652006.56	4193799.43	1.37E-07	1.12E-07	2.50E-07	2.28E-08	1.95E-08	4.23E-08	1.25E-08	9.67E-09	2.22E-08	1.42E-07	1.13E-07	2.54E-07
597	652025.92	4193816.21	1.43E-07	1.17E-07	2.60E-07	2.38E-08	2.03E-08	4.41E-08	1.31E-08	1.01E-08	2.32E-08	1.48E-07	1.17E-07	2.65E-07
598	652045.27	4193832.99	1.49E-07	1.22E-07	2.71E-07	2.47E-08	2.11E-08	4.58E-08	1.36E-08	1.05E-08	2.41E-08	1.54E-07	1.22E-07	2.76E-07
599	652064.62	4193849.77	1.54E-07	1.26E-07	2.80E-07	2.56E-08	2.19E-08	4.75E-08	1.41E-08	1.09E-08	2.49E-08	1.59E-07	1.26E-07	2.86E-07
600	652083.97	4193866.54	1.59E-07	1.30E-07	2.89E-07	2.64E-08	2.26E-08	4.90E-08	1.45E-08	1.12E-08	2.57E-08	1.64E-07	1.31E-07	2.95E-07
601	652103.32	4193883.32	1.64E-07	1.34E-07	2.98E-07	2.72E-08	2.32E-08	5.04E-08	1.50E-08	1.15E-08	2.65E-08	1.69E-07	1.34E-07	3.03E-07
602	652122.67	4193900.1	1.68E-07	1.37E-07	3.05E-07	2.79E-08	2.38E-08	5.17E-08	1.53E-08	1.18E-08	2.72E-08	1.73E-07	1.38E-07	3.11E-07
603	652142.03	4193916.88	1.72E-07	1.40E-07	3.12E-07	2.85E-08	2.44E-08	5.28E-08	1.57E-08	1.21E-08	2.78E-08	1.77E-07	1.41E-07	3.18E-07
604	652161.38	4193933.65	1.75E-07	1.43E-07	3.18E-07	2.90E-08	2.48E-08	5.39E-08	1.60E-08	1.23E-08	2.83E-08	1.81E-07	1.43E-07	3.24E-07
605	652180.73	4193950.43	1.78E-07	1.45E-07	3.23E-07	2.95E-08	2.52E-08	5.47E-08	1.62E-08	1.25E-08	2.88E-08	1.84E-07	1.46E-07	3.29E-07
606	652200.08	4193967.21	1.80E-07	1.47E-07	3.28E-07	2.99E-08	2.56E-08	5.54E-08	1.64E-08	1.27E-08	2.91E-08	1.86E-07	1.48E-07	3.34E-07
607	652219.43	4193983.99	1.82E-07	1.49E-07	3.31E-07	3.02E-08	2.58E-08	5.60E-08	1.66E-08	1.28E-08	2.94E-08	1.88E-07	1.49E-07	3.37E-07
608	652238.78	4194000.77	1.83E-07	1.49E-07	3.32E-07	3.03E-08	2.59E-08	5.62E-08	1.67E-08	1.29E-08	2.95E-08	1.89E-07	1.50E-07	3.38E-07
609	652086.23	4193608.85	9.24E-08	7.55E-08	1.68E-07	1.53E-08	1.31E-08	2.84E-08	8.43E-09	6.50E-09	1.49E-08	9.54E-08	7.57E-08	1.71E-07
610	652105.24	4193625.34	9.61E-08	7.85E-08	1.75E-07	1.59E-08	1.36E-08	2.95E-08	8.77E-09	6.76E-09	1.55E-08	9.92E-08	7.87E-08	1.78E-07
611	652124.26	4193641.82	9.97E-08	8.14E-08	1.81E-07	1.65E-08	1.41E-08	3.06E-08	9.09E-09	7.01E-09	1.61E-08	1.03E-07	8.16E-08	1.84E-07
612	652143.27	4193658.31	1.03E-07	8.42E-08	1.87E-07	1.71E-08	1.46E-08	3.17E-08	9.41E-09	7.26E-09	1.67E-08	1.06E-07	8.45E-08	1.91E-07
613	652162.28	4193674.79	1.06E-07	8.69E-08	1.93E-07	1.76E-08	1.51E-08	3.27E-08	9.71E-09	7.49E-09	1.72E-08	1.10E-07	8.72E-08	1.97E-07
614	652181.3	4193691.28	1.10E-07	8.94E-08	1.99E-07	1.81E-08	1.55E-08	3.37E-08	9.99E-09	7.70E-09	1.77E-08	1.13E-07	8.97E-08	2.03E-07
615	652200.31	4193707.76	1.12E-07	9.18E-08	2.04E-07	1.86E-08	1.59E-08	3.46E-08	1.03E-08	7.91E-09	1.82E-08	1.16E-07	9.21E-08	2.08E-07
616	652219.33	4193724.25	1.15E-07	9.40E-08	2.09E-07	1.91E-08	1.63E-08	3.54E-08	1.05E-08	8.10E-09	1.86E-08	1.19E-07	9.43E-08	2.13E-07
617	652238.34	4193740.73	1.18E-07	9.61E-08	2.14E-07	1.95E-08	1.67E-08	3.62E-08	1.07E-08	8.28E-09	1.90E-08	1.21E-07	9.64E-08	2.18E-07
618	652257.36	4193757.22	1.20E-07	9.80E-08	2.18E-07	1.99E-08	1.70E-08	3.69E-08	1.09E-08	8.44E-09	1.94E-08	1.24E-07	9.83E-08	2.22E-07
619	652276.37	4193773.7	1.22E-07	9.97E-08	2.22E-07	2.02E-08	1.73E-08	3.76E-08	1.11E-08	8.59E-09	1.97E-08	1.26E-07	1.00E-07	2.26E-07
620	652295.39	4193790.19	1.24E-07	1.01E-07	2.25E-07	2.06E-08	1.76E-08	3.82E-08	1.13E-08	8.73E-09	2.01E-08	1.28E-07	1.02E-07	2.30E-07
621	652314.4	4193806.68	1.26E-07	1.03E-07	2.29E-07	2.09E-08	1.78E-08	3.87E-08	1.15E-08	8.86E-09	2.03E-08	1.30E-07	1.03E-07	2.33E-07
622	652333.41	4193823.16	1.28E-07	1.04E-07	2.32E-07	2.11E-08	1.81E-08	3.92E-08	1.16E-08	8.97E-09	2.06E-08	1.32E-07	1.04E-07	2.36E-07
623	652352.43	4193839.65	1.29E-07	1.05E-07	2.34E-07	2.14E-08	1.83E-08	3.96E-08	1.18E-08	9.07E-09	2.08E-08	1.33E-07	1.06E-07	2.39E-07
624	652371.44	4193856.13	1.30E-07	1.06E-07	2.36E-07	2.15E-08	1.84E-08	4.00E-08	1.19E-08	9.14E-09	2.10E-08	1.34E-07	1.06E-07	2.41E-07
625	652390.46	4193872.62	1.31E-07	1.07E-07	2.37E-07	2.17E-08	1.85E-08	4.02E-08	1.19E-08	9.19E-09	2.11E-08	1.35E-07	1.07E-07	2.42E-07
626	652185.38	4193435.17	6.91E-08	5.64E-08	1.26E-07	1.15E-08	9.80E-09	2.12E-08	6.30E-09	4.86E-09	1.12E-08	7.13E-08	5.66E-08	1.28E-07
627	652204.48	4193451.73	7.15E-08	5.84E-08	1.30E-07	1.19E-08	1.01E-08	2.20E-08	6.53E-09	5.03E-09	1.16E-08	7.38E-08	5.86E-08	1.32E-07
628	652223.58	4193468.29	7.39E-08	6.04E-08	1.34E-07	1.22E-08	1.05E-08	2.27E-08	6.74E-09	5.20E-09	1.19E-08	7.63E-08	6.05E-08	1.37E-07

629	652242.69	4193484.85	7.62E-08	6.22E-08	1.38E-07	1.26E-08	1.08E-08	2.34E-08	6.95E-09	5.36E-09	1.23E-08	7.86E-08	6.24E-08	1.41E-07
630	652261.79	4193501.41	7.84E-08	6.40E-08	1.42E-07	1.30E-08	1.11E-08	2.41E-08	7.15E-09	5.52E-09	1.27E-08	8.09E-08	6.42E-08	1.45E-07
631	652280.89	4193517.97	8.05E-08	6.58E-08	1.46E-07	1.33E-08	1.14E-08	2.48E-08	7.35E-09	5.67E-09	1.30E-08	8.31E-08	6.60E-08	1.49E-07
632	652299.99	4193534.53	8.26E-08	6.74E-08	1.50E-07	1.37E-08	1.17E-08	2.54E-08	7.53E-09	5.81E-09	1.33E-08	8.52E-08	6.76E-08	1.53E-07
633	652319.09	4193551.09	8.45E-08	6.90E-08	1.53E-07	1.40E-08	1.20E-08	2.60E-08	7.71E-09	5.94E-09	1.36E-08	8.72E-08	6.92E-08	1.56E-07
634	652338.19	4193567.65	8.62E-08	7.04E-08	1.57E-07	1.43E-08	1.22E-08	2.65E-08	7.86E-09	6.06E-09	1.39E-08	8.90E-08	7.06E-08	1.60E-07
635	652357.29	4193584.21	8.78E-08	7.17E-08	1.60E-07	1.46E-08	1.25E-08	2.70E-08	8.01E-09	6.18E-09	1.42E-08	9.06E-08	7.19E-08	1.63E-07
636	652376.39	4193600.77	8.94E-08	7.30E-08	1.62E-07	1.48E-08	1.27E-08	2.75E-08	8.15E-09	6.29E-09	1.44E-08	9.22E-08	7.32E-08	1.65E-07
637	652395.49	4193617.33	9.08E-08	7.42E-08	1.65E-07	1.51E-08	1.29E-08	2.79E-08	8.29E-09	6.39E-09	1.47E-08	9.37E-08	7.44E-08	1.68E-07
638	652414.59	4193633.89	9.22E-08	7.53E-08	1.67E-07	1.53E-08	1.31E-08	2.84E-08	8.41E-09	6.49E-09	1.49E-08	9.51E-08	7.55E-08	1.71E-07
639	652433.69	4193650.45	9.35E-08	7.63E-08	1.70E-07	1.55E-08	1.33E-08	2.87E-08	8.53E-09	6.58E-09	1.51E-08	9.65E-08	7.66E-08	1.73E-07
640	652452.8	4193667.01	9.47E-08	7.73E-08	1.72E-07	1.57E-08	1.34E-08	2.91E-08	8.64E-09	6.66E-09	1.53E-08	9.77E-08	7.76E-08	1.75E-07
641	652471.9	4193683.57	9.58E-08	7.82E-08	1.74E-07	1.59E-08	1.36E-08	2.95E-08	8.74E-09	6.74E-09	1.55E-08	9.89E-08	7.85E-08	1.77E-07
642	652491	4193700.13	9.68E-08	7.91E-08	1.76E-07	1.60E-08	1.37E-08	2.98E-08	8.83E-09	6.81E-09	1.56E-08	9.99E-08	7.93E-08	1.79E-07
643	652510.1	4193716.69	9.79E-08	7.99E-08	1.78E-07	1.62E-08	1.39E-08	3.01E-08	8.93E-09	6.89E-09	1.58E-08	1.01E-07	8.02E-08	1.81E-07
644	652529.2	4193733.26	9.86E-08	8.05E-08	1.79E-07	1.63E-08	1.40E-08	3.03E-08	9.00E-09	6.94E-09	1.59E-08	1.02E-07	8.08E-08	1.83E-07
645	652548.3	4193749.82	9.91E-08	8.09E-08	1.80E-07	1.64E-08	1.41E-08	3.05E-08	9.04E-09	6.97E-09	1.60E-08	1.02E-07	8.12E-08	1.83E-07
646	652284.53	4193261.48	5.40E-08	4.41E-08	9.80E-08	8.94E-09	7.65E-09	1.66E-08	4.92E-09	3.80E-09	8.72E-09	5.57E-08	4.42E-08	9.99E-08
647	652303.7	4193278.1	5.56E-08	4.54E-08	1.01E-07	9.22E-09	7.89E-09	1.71E-08	5.08E-09	3.91E-09	8.99E-09	5.74E-08	4.56E-08	1.03E-07
648	652322.86	4193294.71	5.73E-08	4.68E-08	1.04E-07	9.50E-09	8.12E-09	1.76E-08	5.23E-09	4.03E-09	9.26E-09	5.91E-08	4.69E-08	1.06E-07
649	652342.03	4193311.33	5.89E-08	4.81E-08	1.07E-07	9.77E-09	8.36E-09	1.81E-08	5.38E-09	4.15E-09	9.52E-09	6.08E-08	4.83E-08	1.09E-07
650	652361.19	4193327.95	6.05E-08	4.94E-08	1.10E-07	1.00E-08	8.58E-09	1.86E-08	5.52E-09	4.26E-09	9.78E-09	6.25E-08	4.96E-08	1.12E-07
651	652380.35	4193344.56	6.21E-08	5.07E-08	1.13E-07	1.03E-08	8.80E-09	1.91E-08	5.66E-09	4.37E-09	1.00E-08	6.41E-08	5.08E-08	1.15E-07
652	652399.52	4193361.18	6.35E-08	5.19E-08	1.15E-07	1.05E-08	9.00E-09	1.95E-08	5.79E-09	4.47E-09	1.03E-08	6.56E-08	5.20E-08	1.18E-07
653	652418.68	4193377.79	6.49E-08	5.30E-08	1.18E-07	1.08E-08	9.20E-09	2.00E-08	5.92E-09	4.57E-09	1.05E-08	6.70E-08	5.32E-08	1.20E-07
654	652437.85	4193394.41	6.62E-08	5.41E-08	1.20E-07	1.10E-08	9.38E-09	2.04E-08	6.04E-09	4.66E-09	1.07E-08	6.83E-08	5.42E-08	1.23E-07
655	652457.01	4193411.02	6.74E-08	5.51E-08	1.23E-07	1.12E-08	9.56E-09	2.07E-08	6.15E-09	4.74E-09	1.09E-08	6.96E-08	5.52E-08	1.25E-07
656	652476.18	4193427.64	6.86E-08	5.60E-08	1.25E-07	1.14E-08	9.72E-09	2.11E-08	6.26E-09	4.82E-09	1.11E-08	7.08E-08	5.62E-08	1.27E-07
657	652495.34	4193444.25	6.96E-08	5.69E-08	1.27E-07	1.15E-08	9.87E-09	2.14E-08	6.35E-09	4.90E-09	1.13E-08	7.19E-08	5.70E-08	1.29E-07
658	652514.51	4193460.87	7.06E-08	5.77E-08	1.28E-07	1.17E-08	1.00E-08	2.17E-08	6.44E-09	4.97E-09	1.14E-08	7.29E-08	5.79E-08	1.31E-07
659	652533.67	4193477.49	7.17E-08	5.85E-08	1.30E-07	1.19E-08	1.02E-08	2.20E-08	6.54E-09	5.04E-09	1.16E-08	7.40E-08	5.87E-08	1.33E-07
660	652552.84	4193494.1	7.27E-08	5.93E-08	1.32E-07	1.20E-08	1.03E-08	2.23E-08	6.63E-09	5.11E-09	1.17E-08	7.50E-08	5.95E-08	1.35E-07
661	652572	4193510.72	7.35E-08	6.01E-08	1.34E-07	1.22E-08	1.04E-08	2.26E-08	6.71E-09	5.17E-09	1.19E-08	7.59E-08	6.02E-08	1.36E-07
662	652591.17	4193527.33	7.44E-08	6.08E-08	1.35E-07	1.23E-08	1.05E-08	2.29E-08	6.79E-09	5.23E-09	1.20E-08	7.68E-08	6.09E-08	1.38E-07
663	652610.33	4193543.95	7.52E-08	6.14E-08	1.37E-07	1.25E-08	1.07E-08	2.31E-08	6.86E-09	5.29E-09	1.22E-08	7.76E-08	6.16E-08	1.39E-07
664	652629.5	4193560.56	7.60E-08	6.20E-08	1.38E-07	1.26E-08	1.08E-08	2.34E-08	6.93E-09	5.34E-09	1.23E-08	7.84E-08	6.22E-08	1.41E-07
665	652648.66	4193577.18	7.67E-08	6.26E-08	1.39E-07	1.27E-08	1.09E-08	2.36E-08	6.99E-09	5.39E-09	1.24E-08	7.91E-08	6.28E-08	1.42E-07
666	652667.83	4193593.8	7.73E-08	6.31E-08	1.40E-07	1.28E-08	1.10E-08	2.38E-08	7.05E-09	5.44E-09	1.25E-08	7.98E-08	6.33E-08	1.43E-07
667	652686.99	4193610.41	7.78E-08	6.35E-08	1.41E-07	1.29E-08	1.10E-08	2.39E-08	7.10E-09	5.47E-09	1.26E-08	8.03E-08	6.37E-08	1.44E-07
668	652706.16	4193627.03	7.82E-08	6.38E-08	1.42E-07	1.30E-08	1.11E-08	2.40E-08	7.13E-09	5.50E-09	1.26E-08	8.07E-08	6.40E-08	1.45E-07
669	651540.45	4194507.8	4.28E-06	3.50E-06	7.78E-06	7.10E-07	6.07E-07	1.32E-06	3.91E-07	3.01E-07	6.92E-07	4.42E-06	3.51E-06	7.93E-06
670	651508.75	4194503.89	4.01E-06	3.28E-06	7.29E-06	6.65E-07	5.69E-07	1.23E-06	3.66E-07	2.82E-07	6.48E-07	4.14E-06	3.29E-06	7.43E-06
671	651547.04	4194484.45	3.22E-06	2.63E-06	5.84E-06	5.33E-07	4.56E-07	9.89E-07	2.93E-07	2.26E-07	5.20E-07	3.32E-06	2.63E-06	5.95E-06
672	651509.55	4194478.9	2.88E-06	2.35E-06	5.24E-06	4.78E-07	4.09E-07	8.87E-07	2.63E-07	2.03E-07	4.66E-07	2.98E-06	2.36E-06	5.34E-06
673	651545.9	4194458.92	2.43E-06	1.99E-06	4.42E-06	4.03E-07	3.45E-07	7.48E-07	2.22E-07	1.71E-07	3.93E-07	2.51E-06	1.99E-06	4.50E-06
674	651510.34	4194453.91	2.14E-06	1.75E-06	3.89E-06	3.55E-07	3.04E-07	6.59E-07	1.95E-07	1.51E-07	3.46E-07	2.21E-06	1.75E-06	3.97E-06
675	651549.43	4194409.49	1.50E-06	1.23E-06	2.73E-06	2.49E-07	2.13E-07	4.62E-07	1.37E-07	1.06E-07	2.43E-07	1.55E-06	1.23E-06	2.78E-06
676	651511.93	4194403.94	1.27E-06	1.04E-06	2.31E-06	2.11E-07	1.80E-07	3.91E-07	1.16E-07	8.94E-08	2.05E-07	1.31E-06	1.04E-06	2.35E-06
677	651552.18	4194359.84	9.84E-07	8.03E-07	1.79E-06	1.63E-07	1.39E-07	3.03E-07	8.98E-08	6.92E-08	1.59E-07	1.02E-06	8.06E-07	1.82E-06
678	651589.28	4194370.32	1.16E-06	9.45E-07	2.10E-06	1.92E-07	1.64E-07	3.56E-07	1.06E-07	8.14E-08	1.87E-07	1.19E-06	9.48E-07	2.14E-06
679	651513.52	4194353.96	8.11E-07	6.62E-07	1.47E-06	1.34E-07	1.15E-07	2.49E-07	7.40E-08	5.71E-08	1.31E-07	8.37E-07	6.64E-07	1.50E-06
680	651554.54	4194310.08	6.74E-07	5.51E-07	1.22E-06	1.12E-07	9.56E-08	2.07E-07	6.15E-08	4.74E-08	1.09E-07	6.96E-07	5.52E-07	1.25E-06
681	651593.19	4194321	8.10E-07	6.61E-07	1.47E-06	1.34E-07	1.15E-07	2.49E-07	7.39E-08	5.70E-08	1.31E-07	8.36E-07	6.63E-07	1.50E-06
682	651631.84	4194331.91	9.20E-07	7.51E-07	1.67E-06	1.52E-07	1.30E-07	2.83E-07	8.39E-08	6.47E-08	1.49E-07	9.49E-07	7.53E-07	1.70E-06
683	651515.12	4194303.99	5.49E-07	4.49E-07	9.98E-07	9.10E-08	7.79E-08	1.69E-07	5.01E-08	3.86E-08	8.88E-08	5.67E-07	4.50E-07	1.02E-06
684	651554.2	4194259.56	4.74E-07	3.87E-07	8.62E-07	7.86E-08	6.72E-08	1.46E-07	4.33E-08	3.34E-08	7.66E-08	4.90E-07	3.89E-07	8.78E-07
685	651623.77	4194279.21	6.50E-07	5.31E-07	1.18E-06	1.08E-07	9.21E-08	2.00E-07	5.93E-08	4.57E-08	1.05E-07	6.71E-07	5.32E-07	1.20E-06
686	651658.56	4194289.03	7.20E-07	5.88E-07	1.31E-06	1.19E-07	1.02E-07	2.21E-07	6.57E-08	5.06E-08	1.16E-07	7.43E-07	5.90E-07	1.33E-06
687	651516.71	4194254.01	3.90E-07	3.19E-07	7.09E-07	6.47E-08	5.54E-08	1.20E-07	3.56E-08	2.75E-08	6.31E-08	4.03E-07	3.20E-07	7.23E-07
688	651558.54	4194159.94	2.67E-07	2.18E-07	4.85E-07	4.43E-08	3.79E-08	8.22E-08	2.44E-08	1.88E-08	4.32E-08	2.76E-07	2.19E-07	4.95E-07
689	651595.65	4194170.42	3.20E-07	2.62E-07	5.82E-07	5.31E-08	4.54E-08	9.86E-08	2.92E-08	2.25E-08	5.18E-08	3.31E-07	2.63E-07	5.93E-07
690	651632.75	4194180.9	3.75E-07	3.06E-07	6.81E-07	6.21E-08	5.31E-08	1.15E-07	3.42E-08	2.64E-08	6.06E-08	3.87E-07	3.07E-07	6.94E-07
691	651669.86	4194191.37	4.26E-07	3.48E-07	7.74E-07	7.07E-08	6.04E-08	1.31E-07	3.89E-08	3.00E-08	6.89E-08	4.40E-07	3.49E-07	7.89E-07
692	651706.96	4194201.85	4.70E-07	3.84E-07	8.54E-07	7.79E-08	6.66E-08	1.45E-07	4.29E-08	3.31E-08	7.59E-08	4.85E-07	3.85E-07	8.70E-07
693	651519.89	4194154.06	2.22E-07	1.81E-07	4.03E-07	3.68E-08	3.15E-08	6.82E-08	2.02E-08	1.56E-08	3.59E-08	2.29E-07	1.82E-07	4.11E-07
694	651562.5	4194060.21	1.68E-07	1.37E-07	3.05E-07	2.78E-08	2.38E-08	5.16E-08	1.53E-08	1.18E-08	2.71E-08	1.73E-07	1.37E-07	3.11E-07
695	651601.15	4194071.12	1.99E-07	1.63E-07	3.62E-07	3.30E-08	2.83E-08	6.13E-08	1.82E-08	1.40E-08	3.22E-08	2.06E-07	1.63E-07	3.69E-07
696	651639.8	4194082.04	2.33E-07	1.91E-07	4.24E-07	3.87E-08	3.31E-08	7.18E-08	2.13E-08	1.64E-08	3.77E-08	2.41E-07	1.91E-07	4.32E-07
697	651678.45	4194092.95	2.69E-07	2.19E-07	4.88E-07	4.45E-08	3.81E-08	8.26E-08	2.45E-08	1.89E-08	4.34E-08	2.77E-07	2.20E-07	4.97E-07
698	651717.1	4194103.86	3.02E-07	2.47E-07	5.49E-07	5.01E-08	4.28E-08	9.29E-08	2.76E-08	2.13E-08	4.88E-08	3.12E-07	2.47E-07	5.59E-07
699	651755.75	4194114.78	3.31E-07	2.70E-07	6.01E-07	5.48E-08	4.69E-08	1.02E-07	3.02E-08	2.33E-08	5.35E-08	3.41E-07	2.71E-07	6.12E-07
700	651523.07	4194054.11	1.42E-07	1.16E-07	2.58E-07	2.36E-08	2.02E-08	4.38E-08	1.30E-08	1.00E-08	2.30E-08	1.47E-07	1.17E-07	2.63E-07
701	651564.91	4193960.04	1.14E-07	9.34E-08	2.08E-07	1.89E-08	1.62E-08	3.52E-08	1.04E-08	8.04E-09	1.85E-08	1.18E-07	9.36E-08	2.12E-07
702	651602.01	4193970.52	1.32E-07	1.08E-07	2.40E-07	2.19E-08	1.87E-08	4.06E-08	1.20E-08	9.28E-09	2.13E-08	1.36E-07	1.08E-07	2.44E-07
703	651639.12	4193981	1.52E-07	1.24E-07	2.75E-07	2.51E-08	2.15E-08	4.66E-08	1.38E-08	1.07E-08	2.45E-08	1.56E-07	1.24E-07	2.81E-07
704	651676.22	4193991.47	1.73E-07	1.41E-07	3.15E-07	2.87E-08	2.45E-08	5.32E-08	1.58E-08	1.22E-08	2.80E-08	1.79E-07	1.42E-07	3.21E-07
705	651713.33	4194001.95	1.96E-07	1.60E-07	3.56E-07	3.24E-08	2.78E-08	6.02E-08	1.79E-08	1.38E-08	3.16E-08	2.02E-07	1.60E-07	3.62E-07
706	651750.43	4194012.43	2.18E-07	1.78E-07	3.96E-07	3.61E-08	3.09E-08	6.70E-08	1.99E-08	1.53E-08	3.52E-08	2.25E-07	1.78E-07	4.03E-07
707	651787.54	4194022.9	2.38E-07	1.94E-07	4.31E-07	3.94E-08	3.37E-08	7.30E-08	2.17E-08	1.67E-08	3.84E-08	2.45E-07	1.95E-07	4.40E-07

708	651526.25	4193954.16	9.96E-08	8.14E-08	1.81E-07	1.65E-08	1.41E-08	3.06E-08	9.09E-09	7.01E-09	1.61E-08	1.03E-07	8.16E-08	1.84E-07
709	651568.64	4193860.25	8.39E-08	6.85E-08	1.52E-07	1.39E-08	1.19E-08	2.58E-08	7.65E-09	5.90E-09	1.36E-08	8.65E-08	6.87E-08	1.55E-07
710	651606.83	4193871.03	9.50E-08	7.76E-08	1.73E-07	1.57E-08	1.35E-08	2.92E-08	8.67E-09	6.68E-09	1.54E-08	9.81E-08	7.78E-08	1.76E-07
711	651645.03	4193881.82	1.07E-07	8.77E-08	1.95E-07	1.78E-08	1.52E-08	3.30E-08	9.80E-09	7.56E-09	1.74E-08	1.11E-07	8.80E-08	1.99E-07
712	651683.22	4193892.6	1.22E-07	9.93E-08	2.21E-07	2.02E-08	1.72E-08	3.74E-08	1.11E-08	8.56E-09	1.97E-08	1.26E-07	9.96E-08	2.25E-07
713	651721.42	4193903.39	1.37E-07	1.12E-07	2.50E-07	2.28E-08	1.95E-08	4.23E-08	1.25E-08	9.67E-09	2.22E-08	1.42E-07	1.13E-07	2.54E-07
714	651759.62	4193914.17	1.54E-07	1.26E-07	2.80E-07	2.55E-08	2.18E-08	4.73E-08	1.40E-08	1.08E-08	2.49E-08	1.59E-07	1.26E-07	2.85E-07
715	651797.81	4193924.96	1.70E-07	1.39E-07	3.09E-07	2.81E-08	2.41E-08	5.22E-08	1.55E-08	1.19E-08	2.74E-08	1.75E-07	1.39E-07	3.14E-07
716	651836.01	4193935.74	1.84E-07	1.50E-07	3.34E-07	3.05E-08	2.61E-08	5.66E-08	1.68E-08	1.29E-08	2.97E-08	1.90E-07	1.51E-07	3.41E-07
717	651529.44	4193854.21	7.44E-08	6.08E-08	1.35E-07	1.23E-08	1.05E-08	2.29E-08	6.79E-09	5.23E-09	1.20E-08	7.68E-08	6.09E-08	1.38E-07
718	651574.88	4193660.31	5.18E-08	4.23E-08	9.40E-08	8.58E-09	7.34E-09	1.59E-08	4.72E-09	3.64E-09	8.37E-09	5.34E-08	4.24E-08	9.58E-08
719	651650.77	4193681.74	6.20E-08	5.06E-08	1.13E-07	1.03E-08	8.79E-09	1.91E-08	5.65E-09	4.36E-09	1.00E-08	6.40E-08	5.08E-08	1.15E-07
720	651688.72	4193692.46	6.78E-08	5.53E-08	1.23E-07	1.12E-08	9.61E-09	2.08E-08	6.18E-09	4.77E-09	1.10E-08	6.99E-08	5.55E-08	1.25E-07
721	651726.67	4193703.17	7.46E-08	6.09E-08	1.35E-07	1.24E-08	1.06E-08	2.29E-08	6.80E-09	5.25E-09	1.21E-08	7.70E-08	6.11E-08	1.38E-07
722	651764.62	4193713.89	8.25E-08	6.74E-08	1.50E-07	1.37E-08	1.17E-08	2.54E-08	7.53E-09	5.81E-09	1.33E-08	8.52E-08	6.76E-08	1.53E-07
723	651802.57	4193724.6	9.14E-08	7.46E-08	1.66E-07	1.51E-08	1.30E-08	2.81E-08	8.34E-09	6.43E-09	1.48E-08	9.43E-08	7.48E-08	1.69E-07
724	651840.51	4193735.32	1.01E-07	8.21E-08	1.83E-07	1.67E-08	1.43E-08	3.09E-08	9.17E-09	7.07E-09	1.62E-08	1.04E-07	8.23E-08	1.86E-07
725	651878.46	4193746.03	1.09E-07	8.93E-08	1.99E-07	1.81E-08	1.55E-08	3.36E-08	9.98E-09	7.70E-09	1.77E-08	1.13E-07	8.96E-08	2.02E-07
726	651916.41	4193756.75	1.17E-07	9.59E-08	2.13E-07	1.95E-08	1.66E-08	3.61E-08	1.07E-08	8.26E-09	1.90E-08	1.21E-07	9.62E-08	2.17E-07
727	651954.36	4193767.46	1.24E-07	1.02E-07	2.26E-07	2.06E-08	1.76E-08	3.82E-08	1.13E-08	8.75E-09	2.01E-08	1.28E-07	1.02E-07	2.30E-07
728	651535.8	4193654.32	4.71E-08	3.84E-08	8.55E-08	7.80E-09	6.67E-09	1.45E-08	4.29E-09	3.31E-09	7.61E-09	4.86E-08	3.86E-08	8.71E-08
729	651618.96	4193471.06	3.90E-08	3.18E-08	7.08E-08	6.46E-09	5.53E-09	1.20E-08	3.56E-09	2.74E-09	6.30E-09	4.02E-08	3.19E-08	7.22E-08
730	651656.75	4193481.73	4.17E-08	3.40E-08	7.57E-08	6.90E-09	5.91E-09	1.28E-08	3.80E-09	2.93E-09	6.73E-09	4.30E-08	3.41E-08	7.71E-08
731	651694.54	4193492.41	4.43E-08	3.62E-08	8.05E-08	7.35E-09	6.28E-09	1.36E-08	4.04E-09	3.12E-09	7.16E-09	4.57E-08	3.63E-08	8.20E-08
732	651732.33	4193503.08	4.73E-08	3.86E-08	8.59E-08	7.84E-09	6.70E-09	1.45E-08	4.31E-09	3.33E-09	7.64E-09	4.88E-08	3.87E-08	8.75E-08
733	651770.12	4193513.75	5.09E-08	4.15E-08	9.24E-08	8.43E-09	7.21E-09	1.56E-08	4.64E-09	3.58E-09	8.22E-09	5.25E-08	4.17E-08	9.42E-08
734	651807.91	4193524.42	5.52E-08	4.51E-08	1.00E-07	9.15E-09	7.82E-09	1.70E-08	5.04E-09	3.88E-09	8.92E-09	5.70E-08	4.52E-08	1.02E-07
735	651845.71	4193535.09	6.02E-08	4.92E-08	1.09E-07	9.98E-09	8.54E-09	1.85E-08	5.50E-09	4.24E-09	9.73E-09	6.22E-08	4.93E-08	1.12E-07
736	651883.5	4193545.76	6.58E-08	5.37E-08	1.19E-07	1.09E-08	9.32E-09	2.02E-08	6.00E-09	4.63E-09	1.06E-08	6.79E-08	5.39E-08	1.22E-07
737	651921.29	4193556.43	7.14E-08	5.83E-08	1.30E-07	1.18E-08	1.01E-08	2.20E-08	6.52E-09	5.03E-09	1.15E-08	7.37E-08	5.85E-08	1.32E-07
738	651959.08	4193567.1	7.69E-08	6.28E-08	1.40E-07	1.27E-08	1.09E-08	2.36E-08	7.01E-09	5.41E-09	1.24E-08	7.93E-08	6.30E-08	1.42E-07
739	651996.87	4193577.77	8.19E-08	6.69E-08	1.49E-07	1.36E-08	1.16E-08	2.52E-08	7.47E-09	5.76E-09	1.32E-08	8.45E-08	6.71E-08	1.52E-07
740	652034.67	4193588.45	8.63E-08	7.05E-08	1.57E-07	1.43E-08	1.22E-08	2.65E-08	7.87E-09	6.07E-09	1.39E-08	8.91E-08	7.07E-08	1.60E-07
741	651587.47	4193260.48	2.71E-08	2.21E-08	4.92E-08	4.49E-09	3.84E-09	8.33E-09	2.47E-09	1.91E-09	4.38E-09	2.80E-08	2.22E-08	5.01E-08
742	651625.16	4193271.12	2.90E-08	2.37E-08	5.27E-08	4.81E-09	4.12E-09	8.93E-09	2.65E-09	2.04E-09	4.69E-09	3.00E-08	2.38E-08	5.37E-08
743	651662.84	4193281.76	3.07E-08	2.51E-08	5.58E-08	5.09E-09	4.35E-09	9.44E-09	2.80E-09	2.16E-09	4.96E-09	3.17E-08	2.51E-08	5.68E-08
744	651700.53	4193292.4	3.22E-08	2.63E-08	5.85E-08	5.33E-09	4.56E-09	9.89E-09	2.94E-09	2.26E-09	5.20E-09	3.32E-08	2.64E-08	5.96E-08
745	651738.21	4193303.04	3.36E-08	2.75E-08	6.11E-08	5.58E-09	4.77E-09	1.03E-08	3.07E-09	2.37E-09	5.44E-09	3.47E-08	2.76E-08	6.23E-08
746	651775.9	4193313.68	3.53E-08	2.88E-08	6.41E-08	5.85E-09	5.00E-09	1.09E-08	3.22E-09	2.48E-09	5.70E-09	3.64E-08	2.89E-08	6.53E-08
747	651813.58	4193324.32	3.73E-08	3.05E-08	6.78E-08	6.18E-09	5.29E-09	1.15E-08	3.40E-09	2.62E-09	6.03E-09	3.85E-08	3.06E-08	6.90E-08
748	651851.27	4193334.96	3.98E-08	3.25E-08	7.23E-08	6.59E-09	5.64E-09	1.22E-08	3.63E-09	2.80E-09	6.43E-09	4.11E-08	3.26E-08	7.36E-08
749	651888.95	4193345.6	4.29E-08	3.50E-08	7.80E-08	7.11E-09	6.08E-09	1.32E-08	3.92E-09	3.02E-09	6.93E-09	4.43E-08	3.52E-08	7.94E-08
750	651926.64	4193356.25	4.64E-08	3.79E-08	8.42E-08	7.68E-09	6.57E-09	1.43E-08	4.23E-09	3.26E-09	7.49E-09	4.78E-08	3.80E-08	8.58E-08
751	651964.32	4193366.89	5.01E-08	4.09E-08	9.09E-08	8.30E-09	7.10E-09	1.54E-08	4.57E-09	3.52E-09	8.09E-09	5.17E-08	4.10E-08	9.27E-08
752	652002.01	4193377.53	5.38E-08	4.40E-08	9.78E-08	8.92E-09	7.63E-09	1.66E-08	4.91E-09	3.79E-09	8.70E-09	5.56E-08	4.41E-08	9.97E-08
753	652039.69	4193388.17	5.75E-08	4.69E-08	1.04E-07	9.53E-09	8.15E-09	1.77E-08	5.24E-09	4.04E-09	9.29E-09	5.93E-08	4.71E-08	1.06E-07
754	652077.37	4193398.81	6.08E-08	4.97E-08	1.10E-07	1.01E-08	8.62E-09	1.87E-08	5.55E-09	4.28E-09	9.83E-09	6.28E-08	4.98E-08	1.13E-07
755	652115.06	4193409.45	6.38E-08	5.21E-08	1.16E-07	1.06E-08	9.04E-09	1.96E-08	5.82E-09	4.49E-09	1.03E-08	6.58E-08	5.22E-08	1.18E-07
756	652152.74	4193420.09	6.64E-08	5.42E-08	1.21E-07	1.10E-08	9.41E-09	2.04E-08	6.06E-09	4.67E-09	1.07E-08	6.85E-08	5.44E-08	1.23E-07
757	651548.53	4193254.52	2.50E-08	2.05E-08	4.55E-08	4.15E-09	3.55E-09	7.70E-09	2.29E-09	1.76E-09	4.05E-09	2.59E-08	2.05E-08	4.64E-08
758	651594.32	4193060.72	2.13E-08	1.74E-08	3.88E-08	3.54E-09	3.03E-09	6.56E-09	1.95E-09	1.50E-09	3.45E-09	2.20E-08	1.75E-08	3.95E-08
759	651632.97	4193071.63	2.28E-08	1.86E-08	4.15E-08	3.78E-09	3.24E-09	7.02E-09	2.08E-09	1.61E-09	3.69E-09	2.36E-08	1.87E-08	4.23E-08
760	651671.62	4193082.54	2.41E-08	1.97E-08	4.38E-08	3.99E-09	3.42E-09	7.41E-09	2.20E-09	1.70E-09	3.89E-09	2.49E-08	1.97E-08	4.46E-08
761	651710.28	4193093.46	2.51E-08	2.05E-08	4.57E-08	4.17E-09	3.56E-09	7.73E-09	2.29E-09	1.77E-09	4.06E-09	2.59E-08	2.06E-08	4.65E-08
762	651748.93	4193104.37	2.60E-08	2.13E-08	4.73E-08	4.32E-09	3.69E-09	8.01E-09	2.38E-09	1.83E-09	4.21E-09	2.69E-08	2.13E-08	4.82E-08
763	651787.58	4193115.28	2.69E-08	2.20E-08	4.89E-08	4.47E-09	3.82E-09	8.29E-09	2.46E-09	1.90E-09	4.35E-09	2.78E-08	2.21E-08	4.99E-08
764	651826.23	4193126.2	2.80E-08	2.28E-08	5.08E-08	4.64E-09	3.97E-09	8.60E-09	2.55E-09	1.97E-09	4.52E-09	2.89E-08	2.29E-08	5.18E-08
765	651864.88	4193137.11	2.93E-08	2.39E-08	5.32E-08	4.85E-09	4.15E-09	9.00E-09	2.67E-09	2.06E-09	4.73E-09	3.02E-08	2.40E-08	5.42E-08
766	651903.53	4193148.03	3.09E-08	2.52E-08	5.61E-08	5.12E-09	4.38E-09	9.50E-09	2.82E-09	2.17E-09	4.99E-09	3.19E-08	2.53E-08	5.72E-08
767	651942.18	4193158.94	3.29E-08	2.69E-08	5.98E-08	5.45E-09	4.66E-09	1.01E-08	3.00E-09	2.31E-09	5.32E-09	3.39E-08	2.69E-08	6.09E-08
768	651980.83	4193169.85	3.52E-08	2.88E-08	6.40E-08	5.84E-09	5.00E-09	1.08E-08	3.21E-09	2.48E-09	5.69E-09	3.64E-08	2.89E-08	6.52E-08
769	652019.48	4193180.77	3.78E-08	3.09E-08	6.87E-08	6.27E-09	5.36E-09	1.16E-08	3.45E-09	2.66E-09	6.11E-09	3.90E-08	3.10E-08	7.00E-08
770	652058.13	4193191.68	4.06E-08	3.31E-08	7.37E-08	6.73E-09	5.75E-09	1.25E-08	3.70E-09	2.85E-09	6.56E-09	4.19E-08	3.32E-08	7.51E-08
771	652096.78	4193202.59	4.33E-08	3.54E-08	7.87E-08	7.18E-09	6.14E-09	1.33E-08	3.95E-09	3.05E-09	7.00E-09	4.47E-08	3.55E-08	8.02E-08
772	652135.43	4193213.51	4.59E-08	3.75E-08	8.33E-08	7.60E-09	6.50E-09	1.41E-08	4.18E-09	3.23E-09	7.41E-09	4.73E-08	3.76E-08	8.49E-08
773	652174.09	4193224.42	4.82E-08	3.94E-08	8.76E-08	7.99E-09	6.83E-09	1.48E-08	4.40E-09	3.39E-09	7.79E-09	4.97E-08	3.95E-08	8.92E-08
774	652212.74	4193235.33	5.03E-08	4.10E-08	9.13E-08	8.33E-09	7.13E-09	1.55E-08	4.59E-09	3.54E-09	8.12E-09	5.19E-08	4.12E-08	9.30E-08
775	652251.39	4193246.25	5.21E-08	4.25E-08	9.46E-08	8.63E-09	7.38E-09	1.60E-08	4.75E-09	3.66E-09	8.42E-09	5.38E-08	4.27E-08	9.64E-08
776	651554.9	4193054.62	1.98E-08	1.62E-08	3.60E-08	3.28E-09	2.81E-09	6.09E-09	1.81E-09	1.39E-09	3.20E-09	2.04E-08	1.62E-08	3.67E-08
777	651484.49	4194504.05	3.81E-06	3.11E-06	6.93E-06	6.32E-07	5.41E-07	1.17E-06	3.48E-07	2.68E-07	6.16E-07	3.94E-06	3.12E-06	7.06E-06
778	651484.28	4194479.05	2.68E-06	2.19E-06	4.86E-06	4.44E-07	3.79E-07	8.23E-07	2.44E-07	1.88E-07	4.32E-07	2.76E-06	2.19E-06	4.95E-06
779	651484.07	4194454.05	1.95E-06	1.59E-06	3.54E-06	3.23E-07	2.76E-07	5.99E-07	1.78E-07	1.37E-07	3.15E-07	2.01E-06	1.59E-06	3.60E-06
780	651483.65	4194404.05	1.12E-06	9.12E-07	2.03E-06	1.85E-07	1.58E-07	3.43E-07	1.02E-07	7.85E-08	1.80E-07	1.15E-06	9.14E-07	2.07E-06
781	651483.23	4194354.05	6.97E-07	5.69E-07	1.27E-06	1.15E-07	9.88E-08	2.14E-07	6.36E-08	4.90E-08	1.13E-07	7.19E-07	5.71E-07	1.29E-06
782	651482.8	4194304.06	4.65E-07	3.80E-07	8.46E-07	7.72E-08	6.60E-08	1.43E-07	4.25E-08	3.28E-08	7.52E-08	4.80E-07	3.81E-07	8.62E-07
783	651480.69	4194054.07	1.21E-07	9.91E-08	2.20E-07	2.01E-08	1.72E-08	3.73E-08	1.11E-08	8.54E-09	1.96E-08	1.25E-07	9.94E-08	2.25E-07
784	651502.1	4193953.88	9.22E-08	7.53E-08	1.67E-07	1.53E-08	1.31E-08	2.83E-08	8.41E-09	6.49E-09	1.49E-08	9.51E-08	7.55E-08	1.71E-07
785	651457.6	4193954.26	7.96E-08	6.50E-08	1.45E-07	1.32E-08	1.13E-08	2.45E-08	7.26E-09	5.60E-09	1.29E-08	8.21E-08	6.52E-08	1.47E-07
786	651501.25	4193853.88	6.86E-08	5.60E-08	1.25E-07	1.14E-08	9.73E-09	2.11E-08	6.26E-09	4.83E-09	1.11E-08	7.08E-08	5.62E-08	1.27E-07

787	651456.76	4193854.26	6.00E-08	4.90E-08	1.09E-07	9.95E-09	8.51E-09	1.85E-08	5.47E-09	4.22E-09	9.70E-09	6.19E-08	4.92E-08	1.11E-07
788	651499.56	4193653.89	4.30E-08	3.51E-08	7.82E-08	7.13E-09	6.10E-09	1.32E-08	3.93E-09	3.03E-09	6.95E-09	4.44E-08	3.52E-08	7.96E-08
789	651366.08	4193655.02	3.11E-08	2.54E-08	5.65E-08	5.15E-09	4.41E-09	9.56E-09	2.84E-09	2.19E-09	5.03E-09	3.21E-08	2.55E-08	5.76E-08
790	651321.59	4193655.39	2.97E-08	2.43E-08	5.40E-08	4.93E-09	4.22E-09	9.14E-09	2.71E-09	2.09E-09	4.81E-09	3.07E-08	2.44E-08	5.50E-08
791	651408.89	4193454.65	2.43E-08	1.98E-08	4.41E-08	4.02E-09	3.44E-09	7.46E-09	2.21E-09	1.71E-09	3.92E-09	2.51E-08	1.99E-08	4.49E-08
792	651364.4	4193455.03	2.25E-08	1.83E-08	4.08E-08	3.72E-09	3.18E-09	6.91E-09	2.05E-09	1.58E-09	3.63E-09	2.32E-08	1.84E-08	4.16E-08
793	651319.9	4193455.4	2.16E-08	1.76E-08	3.93E-08	3.58E-09	3.06E-09	6.64E-09	1.97E-09	1.52E-09	3.49E-09	2.23E-08	1.77E-08	4.00E-08
794	651340.46	4193255.22	1.69E-08	1.38E-08	3.07E-08	2.80E-09	2.40E-09	5.20E-09	1.54E-09	1.19E-09	2.73E-09	1.75E-08	1.39E-08	3.13E-08
795	651295.97	4193255.6	1.66E-08	1.36E-08	3.01E-08	2.75E-09	2.35E-09	5.10E-09	1.51E-09	1.17E-09	2.68E-09	1.71E-08	1.36E-08	3.07E-08
796	651294.28	4193055.6	1.33E-08	1.09E-08	2.42E-08	2.21E-09	1.89E-09	4.09E-09	1.21E-09	9.37E-10	2.15E-09	1.37E-08	1.09E-08	2.47E-08
797	651120.08	4194652.29	3.84E-07	3.14E-07	6.98E-07	6.37E-08	5.45E-08	1.18E-07	3.51E-08	2.70E-08	6.21E-08	3.97E-07	3.15E-07	7.12E-07
798	651112.83	4194675.79	4.04E-07	3.30E-07	7.33E-07	6.69E-08	5.72E-08	1.24E-07	3.68E-08	2.84E-08	6.52E-08	4.16E-07	3.31E-07	7.47E-07
799	651105.57	4194699.29	4.20E-07	3.43E-07	7.63E-07	6.96E-08	5.95E-08	1.29E-07	3.83E-08	2.95E-08	6.78E-08	4.33E-07	3.44E-07	7.77E-07
800	651098.32	4194722.79	4.33E-07	3.54E-07	7.87E-07	7.18E-08	6.14E-08	1.33E-07	3.95E-08	3.05E-08	7.00E-08	4.47E-07	3.55E-07	8.02E-07
801	651091.06	4194746.28	4.44E-07	3.62E-07	8.06E-07	7.35E-08	6.29E-08	1.36E-07	4.05E-08	3.12E-08	7.17E-08	4.58E-07	3.63E-07	8.21E-07
802	651083.81	4194769.78	4.51E-07	3.68E-07	8.19E-07	7.48E-08	6.39E-08	1.39E-07	4.11E-08	3.17E-08	7.29E-08	4.65E-07	3.69E-07	8.35E-07
803	651076.55	4194793.28	4.54E-07	3.71E-07	8.25E-07	7.52E-08	6.44E-08	1.40E-07	4.14E-08	3.19E-08	7.34E-08	4.69E-07	3.72E-07	8.40E-07
804	651101.33	4194543.54	2.11E-07	1.72E-07	3.83E-07	3.49E-08	2.99E-08	6.48E-08	1.92E-08	1.48E-08	3.40E-08	2.17E-07	1.73E-07	3.90E-07
805	651094.08	4194567.04	2.24E-07	1.83E-07	4.07E-07	3.71E-08	3.17E-08	6.89E-08	2.04E-08	1.58E-08	3.62E-08	2.31E-07	1.83E-07	4.15E-07
806	651086.82	4194590.54	2.38E-07	1.94E-07	4.32E-07	3.94E-08	3.37E-08	7.31E-08	2.17E-08	1.67E-08	3.84E-08	2.45E-07	1.95E-07	4.40E-07
807	651079.56	4194614.04	2.51E-07	2.05E-07	4.57E-07	4.17E-08	3.57E-08	7.73E-08	2.29E-08	1.77E-08	4.06E-08	2.60E-07	2.06E-07	4.66E-07
808	651072.31	4194637.54	2.65E-07	2.17E-07	4.82E-07	4.40E-08	3.76E-08	8.16E-08	2.42E-08	1.87E-08	4.29E-08	2.74E-07	2.17E-07	4.91E-07
809	651065.05	4194661.04	2.79E-07	2.28E-07	5.06E-07	4.62E-08	3.95E-08	8.57E-08	2.54E-08	1.96E-08	4.50E-08	2.88E-07	2.28E-07	5.16E-07
810	651057.8	4194684.54	2.92E-07	2.38E-07	5.30E-07	4.83E-08	4.13E-08	8.97E-08	2.66E-08	2.05E-08	4.71E-08	3.01E-07	2.39E-07	5.40E-07
811	651050.54	4194708.04	3.03E-07	2.48E-07	5.51E-07	5.02E-08	4.30E-08	9.32E-08	2.77E-08	2.13E-08	4.90E-08	3.13E-07	2.48E-07	5.61E-07
812	651043.29	4194731.53	3.13E-07	2.56E-07	5.69E-07	5.19E-08	4.44E-08	9.63E-08	2.86E-08	2.20E-08	5.06E-08	3.23E-07	2.56E-07	5.80E-07
813	651036.03	4194755.03	3.21E-07	2.62E-07	5.83E-07	5.32E-08	4.55E-08	9.87E-08	2.93E-08	2.26E-08	5.19E-08	3.31E-07	2.63E-07	5.94E-07
814	651028.78	4194778.53	3.26E-07	2.66E-07	5.93E-07	5.41E-08	4.62E-08	1.00E-07	2.98E-08	2.30E-08	5.27E-08	3.37E-07	2.67E-07	6.04E-07
815	651080.87	4194463.68	1.47E-07	1.20E-07	2.67E-07	2.43E-08	2.08E-08	4.51E-08	1.34E-08	1.03E-08	2.37E-08	1.52E-07	1.20E-07	2.72E-07
816	651106.47	4194427.46	1.46E-07	1.19E-07	2.66E-07	2.42E-08	2.07E-08	4.50E-08	1.33E-08	1.03E-08	2.36E-08	1.51E-07	1.20E-07	2.71E-07
817	651132.07	4194391.23	1.41E-07	1.15E-07	2.57E-07	2.34E-08	2.00E-08	4.34E-08	1.29E-08	9.93E-09	2.28E-08	1.46E-07	1.16E-07	2.61E-07
818	651220.74	4194333.82	1.44E-07	1.17E-07	2.61E-07	2.38E-08	2.03E-08	4.41E-08	1.31E-08	1.01E-08	2.32E-08	1.48E-07	1.18E-07	2.66E-07
819	651068.07	4194481.8	1.46E-07	1.19E-07	2.65E-07	2.42E-08	2.07E-08	4.49E-08	1.33E-08	1.03E-08	2.36E-08	1.51E-07	1.20E-07	2.71E-07
820	651060.81	4194505.3	1.52E-07	1.24E-07	2.75E-07	2.51E-08	2.15E-08	4.66E-08	1.38E-08	1.07E-08	2.45E-08	1.57E-07	1.24E-07	2.81E-07
821	651053.56	4194528.79	1.59E-07	1.30E-07	2.88E-07	2.63E-08	2.25E-08	4.88E-08	1.45E-08	1.12E-08	2.56E-08	1.64E-07	1.30E-07	2.94E-07
822	651046.3	4194552.29	1.67E-07	1.36E-07	3.03E-07	2.77E-08	2.37E-08	5.13E-08	1.52E-08	1.17E-08	2.70E-08	1.72E-07	1.37E-07	3.09E-07
823	651039.05	4194575.79	1.76E-07	1.44E-07	3.20E-07	2.92E-08	2.50E-08	5.41E-08	1.61E-08	1.24E-08	2.84E-08	1.82E-07	1.44E-07	3.26E-07
824	651031.79	4194599.29	1.86E-07	1.52E-07	3.37E-07	3.08E-08	2.63E-08	5.71E-08	1.69E-08	1.31E-08	3.00E-08	1.91E-07	1.52E-07	3.43E-07
825	651024.53	4194622.79	1.95E-07	1.59E-07	3.54E-07	3.23E-08	2.77E-08	6.00E-08	1.78E-08	1.37E-08	3.15E-08	2.01E-07	1.60E-07	3.61E-07
826	651017.28	4194646.29	2.05E-07	1.67E-07	3.72E-07	3.39E-08	2.90E-08	6.29E-08	1.87E-08	1.44E-08	3.31E-08	2.11E-07	1.68E-07	3.79E-07
827	651010.02	4194669.79	2.14E-07	1.75E-07	3.89E-07	3.55E-08	3.04E-08	6.59E-08	1.96E-08	1.51E-08	3.46E-08	2.21E-07	1.76E-07	3.97E-07
828	651002.77	4194693.28	2.24E-07	1.83E-07	4.07E-07	3.71E-08	3.17E-08	6.88E-08	2.04E-08	1.58E-08	3.62E-08	2.31E-07	1.83E-07	4.14E-07
829	650995.51	4194716.78	2.33E-07	1.90E-07	4.23E-07	3.86E-08	3.30E-08	7.16E-08	2.12E-08	1.64E-08	3.76E-08	2.40E-07	1.91E-07	4.31E-07
830	650988.26	4194740.28	2.41E-07	1.96E-07	4.37E-07	3.99E-08	3.41E-08	7.40E-08	2.19E-08	1.69E-08	3.89E-08	2.48E-07	1.97E-07	4.45E-07
831	650981	4194763.78	2.46E-07	2.01E-07	4.47E-07	4.08E-08	3.49E-08	7.57E-08	2.25E-08	1.73E-08	3.98E-08	2.54E-07	2.02E-07	4.56E-07
832	650973.75	4194787.28	2.49E-07	2.04E-07	4.53E-07	4.13E-08	3.54E-08	7.67E-08	2.27E-08	1.75E-08	4.03E-08	2.57E-07	2.04E-07	4.62E-07
833	650966.49	4194810.78	2.50E-07	2.04E-07	4.54E-07	4.14E-08	3.54E-08	7.68E-08	2.28E-08	1.76E-08	4.04E-08	2.58E-07	2.05E-07	4.63E-07
834	650959.24	4194834.28	2.48E-07	2.03E-07	4.51E-07	4.12E-08	3.52E-08	7.63E-08	2.27E-08	1.75E-08	4.01E-08	2.56E-07	2.03E-07	4.60E-07
835	651033.73	4194448.03	1.18E-07	9.61E-08	2.14E-07	1.95E-08	1.67E-08	3.62E-08	1.07E-08	8.28E-09	1.90E-08	1.21E-07	9.64E-08	2.18E-07
836	651047.17	4194429.01	1.19E-07	9.71E-08	2.16E-07	1.97E-08	1.69E-08	3.66E-08	1.08E-08	8.36E-09	1.92E-08	1.23E-07	9.74E-08	2.20E-07
837	651060.61	4194409.99	1.19E-07	9.75E-08	2.17E-07	1.98E-08	1.69E-08	3.67E-08	1.09E-08	8.40E-09	1.93E-08	1.23E-07	9.77E-08	2.21E-07
838	651074.05	4194390.97	1.19E-07	9.69E-08	2.16E-07	1.97E-08	1.68E-08	3.65E-08	1.08E-08	8.35E-09	1.92E-08	1.23E-07	9.72E-08	2.20E-07
839	651087.49	4194371.96	1.17E-07	9.55E-08	2.12E-07	1.94E-08	1.66E-08	3.60E-08	1.07E-08	8.23E-09	1.89E-08	1.21E-07	9.58E-08	2.16E-07
840	651100.93	4194352.94	1.14E-07	9.33E-08	2.07E-07	1.89E-08	1.62E-08	3.51E-08	1.04E-08	8.03E-09	1.85E-08	1.18E-07	9.35E-08	2.11E-07
841	651114.37	4194333.92	1.11E-07	9.05E-08	2.01E-07	1.84E-08	1.57E-08	3.41E-08	1.01E-08	7.80E-09	1.79E-08	1.14E-07	9.08E-08	2.05E-07
842	651149.88	4194307.48	1.09E-07	8.92E-08	1.98E-07	1.81E-08	1.55E-08	3.36E-08	9.96E-09	7.68E-09	1.76E-08	1.13E-07	8.94E-08	2.02E-07
843	651171.96	4194300.07	1.11E-07	9.09E-08	2.02E-07	1.85E-08	1.58E-08	3.42E-08	1.02E-08	7.84E-09	1.80E-08	1.15E-07	9.12E-08	2.06E-07
844	651194.03	4194292.65	1.14E-07	9.28E-08	2.06E-07	1.88E-08	1.61E-08	3.49E-08	1.04E-08	7.99E-09	1.84E-08	1.17E-07	9.31E-08	2.10E-07
845	651216.11	4194285.23	1.16E-07	9.49E-08	2.11E-07	1.93E-08	1.65E-08	3.57E-08	1.06E-08	8.18E-09	1.88E-08	1.20E-07	9.52E-08	2.15E-07
846	651020.29	4194467.05	1.16E-07	9.50E-08	2.11E-07	1.93E-08	1.65E-08	3.58E-08	1.06E-08	8.19E-09	1.88E-08	1.20E-07	9.53E-08	2.15E-07
847	651013.04	4194490.54	1.20E-07	9.77E-08	2.17E-07	1.98E-08	1.70E-08	3.68E-08	1.09E-08	8.41E-09	1.93E-08	1.23E-07	9.79E-08	2.21E-07
848	651005.78	4194514.04	1.24E-07	1.01E-07	2.25E-07	2.06E-08	1.76E-08	3.81E-08	1.13E-08	8.72E-09	2.00E-08	1.28E-07	1.02E-07	2.30E-07
849	650998.53	4194537.54	1.30E-07	1.06E-07	2.35E-07	2.15E-08	1.84E-08	3.99E-08	1.18E-08	9.12E-09	2.09E-08	1.34E-07	1.06E-07	2.40E-07
850	650991.27	4194561.04	1.36E-07	1.11E-07	2.47E-07	2.26E-08	1.93E-08	4.19E-08	1.24E-08	9.58E-09	2.20E-08	1.41E-07	1.12E-07	2.52E-07
851	650984.02	4194584.54	1.43E-07	1.17E-07	2.60E-07	2.37E-08	2.03E-08	4.40E-08	1.31E-08	1.01E-08	2.31E-08	1.48E-07	1.17E-07	2.65E-07
852	650976.76	4194608.04	1.50E-07	1.23E-07	2.73E-07	2.49E-08	2.13E-08	4.62E-08	1.37E-08	1.06E-08	2.43E-08	1.55E-07	1.23E-07	2.78E-07
853	650969.5	4194631.54	1.57E-07	1.29E-07	2.86E-07	2.61E-08	2.23E-08	4.84E-08	1.44E-08	1.11E-08	2.54E-08	1.62E-07	1.29E-07	2.91E-07
854	650962.25	4194655.04	1.65E-07	1.34E-07	2.99E-07	2.73E-08	2.33E-08	5.06E-08	1.50E-08	1.16E-08	2.66E-08	1.70E-07	1.35E-07	3.05E-07
855	650954.99	4194678.53	1.72E-07	1.41E-07	3.13E-07	2.85E-08	2.44E-08	5.29E-08	1.57E-08	1.21E-08	2.78E-08	1.78E-07	1.41E-07	3.19E-07
856	650947.74	4194702.03	1.80E-07	1.47E-07	3.26E-07	2.98E-08	2.55E-08	5.53E-08	1.64E-08	1.26E-08	2.90E-08	1.85E-07	1.47E-07	3.33E-07
857	650940.48	4194725.53	1.87E-07	1.52E-07	3.39E-07	3.10E-08	2.65E-08	5.74E-08	1.70E-08	1.31E-08	3.02E-08	1.93E-07	1.53E-07	3.46E-07
858	650933.23	4194749.03	1.92E-07	1.57E-07	3.50E-07	3.19E-08	2.73E-08	5.92E-08	1.76E-08	1.35E-08	3.11E-08	1.99E-07	1.58E-07	3.56E-07
859	650925.97	4194772.53	1.96E-07	1.60E-07	3.56E-07	3.25E-08	2.78E-08	6.03E-08	1.79E-08	1.38E-08	3.17E-08	2.03E-07	1.61E-07	3.63E-07
860	650918.72	4194796.03	1.98E-07	1.62E-07	3.60E-07	3.28E-08	2.81E-08	6.09E-08	1.81E-08	1.39E-08	3.20E-08	2.04E-07	1.62E-07	3.67E-07
861	650911.46	4194819.53	1.98E-07	1.62E-07	3.60E-07	3.28E-08	2.81E-08	6.09E-08	1.81E-08	1.39E-08	3.20E-08	2.04E-07	1.62E-07	3.67E-07
862	650937.78	4194419.1	8.01E-08	6.55E-08	1.46E-07	1.33E-08	1.14E-08	2.46E-08	7.31E-09	5.64E-09	1.30E-08	8.27E-08	6.57E-08	1.48E-07
863	650950.81	4194400.66	8.15E-08	6.66E-08	1.48E-07	1.35E-08	1.16E-08	2.51E-08	7.44E-09	5.74E-09	1.32E-08	8.41E-08	6.68E-08	1.51E-07
864	650963.84	4194382.22	8.29E-08	6.77E-08	1.51E-07	1.37E-08	1.17E-08	2.55E-08	7.56E-09	5.83E-09	1.34E-08	8.55E-08	6.79E-08	1.53E-07
865	650989.9	4194345.34	8.43E-08	6.89E-08	1.53E-07	1.40E-08	1.20E-08	2.59E-08	7.69E-09	5.93E-09	1.36E-08	8.70E-08	6.91E-08	1.56E-07

866	651002.94	4194326.89	8.41E-08	6.87E-08	1.53E-07	1.39E-08	1.19E-08	2.59E-08	7.67E-09	5.92E-09	1.36E-08	8.68E-08	6.89E-08	1.56E-07
867	651015.97	4194308.45	8.33E-08	6.80E-08	1.51E-07	1.38E-08	1.18E-08	2.56E-08	7.60E-09	5.86E-09	1.35E-08	8.59E-08	6.82E-08	1.54E-07
868	651029	4194290.01	8.19E-08	6.69E-08	1.49E-07	1.36E-08	1.16E-08	2.52E-08	7.48E-09	5.76E-09	1.32E-08	8.46E-08	6.71E-08	1.52E-07
869	651042.03	4194271.57	8.02E-08	6.55E-08	1.46E-07	1.33E-08	1.14E-08	2.47E-08	7.32E-09	5.64E-09	1.30E-08	8.28E-08	6.57E-08	1.48E-07
870	651089.51	4194227.49	7.60E-08	6.21E-08	1.38E-07	1.26E-08	1.08E-08	2.34E-08	6.93E-09	5.35E-09	1.23E-08	7.84E-08	6.22E-08	1.41E-07
871	651110.91	4194220.3	7.64E-08	6.24E-08	1.39E-07	1.27E-08	1.08E-08	2.35E-08	6.97E-09	5.37E-09	1.23E-08	7.88E-08	6.26E-08	1.41E-07
872	651132.32	4194213.11	7.70E-08	6.29E-08	1.40E-07	1.28E-08	1.09E-08	2.37E-08	7.02E-09	5.42E-09	1.24E-08	7.95E-08	6.31E-08	1.43E-07
873	651153.72	4194205.91	7.78E-08	6.36E-08	1.41E-07	1.29E-08	1.10E-08	2.39E-08	7.10E-09	5.48E-09	1.26E-08	8.03E-08	6.38E-08	1.44E-07
874	651175.13	4194198.72	7.90E-08	6.45E-08	1.44E-07	1.31E-08	1.12E-08	2.43E-08	7.21E-09	5.56E-09	1.28E-08	8.16E-08	6.47E-08	1.46E-07
875	651196.53	4194191.53	8.06E-08	6.58E-08	1.46E-07	1.34E-08	1.14E-08	2.48E-08	7.35E-09	5.67E-09	1.30E-08	8.32E-08	6.60E-08	1.49E-07
876	650924.74	4194437.54	7.90E-08	6.45E-08	1.44E-07	1.31E-08	1.12E-08	2.43E-08	7.21E-09	5.56E-09	1.28E-08	8.16E-08	6.47E-08	1.46E-07
877	650917.49	4194461.04	8.05E-08	6.58E-08	1.46E-07	1.33E-08	1.14E-08	2.48E-08	7.35E-09	5.67E-09	1.30E-08	8.31E-08	6.60E-08	1.49E-07
878	650910.23	4194484.54	8.28E-08	6.76E-08	1.50E-07	1.37E-08	1.17E-08	2.55E-08	7.55E-09	5.83E-09	1.34E-08	8.54E-08	6.78E-08	1.53E-07
879	650902.98	4194508.04	8.58E-08	7.01E-08	1.56E-07	1.42E-08	1.22E-08	2.64E-08	7.83E-09	6.04E-09	1.39E-08	8.86E-08	7.03E-08	1.59E-07
880	650895.72	4194531.54	8.95E-08	7.31E-08	1.63E-07	1.48E-08	1.27E-08	2.75E-08	8.17E-09	6.30E-09	1.45E-08	9.24E-08	7.33E-08	1.66E-07
881	650888.47	4194555.04	9.36E-08	7.64E-08	1.70E-07	1.55E-08	1.33E-08	2.88E-08	8.54E-09	6.59E-09	1.51E-08	9.66E-08	7.67E-08	1.73E-07
882	650881.21	4194578.54	9.80E-08	8.00E-08	1.78E-07	1.62E-08	1.39E-08	3.01E-08	8.94E-09	6.89E-09	1.58E-08	1.01E-07	8.03E-08	1.81E-07
883	650873.96	4194602.04	1.03E-07	8.37E-08	1.86E-07	1.70E-08	1.45E-08	3.15E-08	9.35E-09	7.21E-09	1.66E-08	1.06E-07	8.40E-08	1.90E-07
884	650866.7	4194625.53	1.07E-07	8.75E-08	1.95E-07	1.78E-08	1.52E-08	3.30E-08	9.78E-09	7.54E-09	1.73E-08	1.11E-07	8.78E-08	1.98E-07
885	650859.44	4194649.03	1.12E-07	9.15E-08	2.03E-07	1.86E-08	1.59E-08	3.44E-08	1.02E-08	7.88E-09	1.81E-08	1.16E-07	9.17E-08	2.07E-07
886	650852.19	4194672.53	1.17E-07	9.55E-08	2.12E-07	1.94E-08	1.66E-08	3.60E-08	1.07E-08	8.23E-09	1.89E-08	1.21E-07	9.58E-08	2.16E-07
887	650844.93	4194696.03	1.22E-07	9.94E-08	2.21E-07	2.02E-08	1.73E-08	3.74E-08	1.11E-08	8.57E-09	1.97E-08	1.26E-07	9.97E-08	2.25E-07
888	650837.68	4194719.53	1.26E-07	1.03E-07	2.29E-07	2.09E-08	1.79E-08	3.88E-08	1.15E-08	8.88E-09	2.04E-08	1.30E-07	1.03E-07	2.34E-07
889	650830.42	4194743.03	1.30E-07	1.06E-07	2.36E-07	2.15E-08	1.84E-08	4.00E-08	1.19E-08	9.14E-09	2.10E-08	1.34E-07	1.06E-07	2.41E-07
890	650823.17	4194766.53	1.33E-07	1.08E-07	2.41E-07	2.20E-08	1.88E-08	4.08E-08	1.21E-08	9.34E-09	2.15E-08	1.37E-07	1.09E-07	2.46E-07
891	650815.91	4194790.02	1.35E-07	1.10E-07	2.44E-07	2.23E-08	1.91E-08	4.14E-08	1.23E-08	9.47E-09	2.17E-08	1.39E-07	1.10E-07	2.49E-07
892	650842.98	4194388.54	5.87E-08	4.79E-08	1.07E-07	9.72E-09	8.32E-09	1.80E-08	5.35E-09	4.13E-09	9.48E-09	6.06E-08	4.81E-08	1.09E-07
893	650856.76	4194369.03	5.97E-08	4.87E-08	1.08E-07	9.89E-09	8.46E-09	1.84E-08	5.45E-09	4.20E-09	9.65E-09	6.16E-08	4.89E-08	1.10E-07
894	650870.55	4194349.53	6.08E-08	4.97E-08	1.11E-07	1.01E-08	8.62E-09	1.87E-08	5.55E-09	4.28E-09	9.83E-09	6.28E-08	4.98E-08	1.13E-07
895	650884.33	4194330.02	6.19E-08	5.06E-08	1.12E-07	1.03E-08	8.78E-09	1.90E-08	5.65E-09	4.36E-09	1.00E-08	6.39E-08	5.07E-08	1.15E-07
896	650898.11	4194310.51	6.27E-08	5.12E-08	1.14E-07	1.04E-08	8.89E-09	1.93E-08	5.72E-09	4.41E-09	1.01E-08	6.47E-08	5.14E-08	1.16E-07
897	650911.9	4194291.01	6.32E-08	5.16E-08	1.15E-07	1.05E-08	8.97E-09	1.94E-08	5.77E-09	4.45E-09	1.02E-08	6.53E-08	5.18E-08	1.17E-07
898	650925.68	4194271.5	6.34E-08	5.18E-08	1.15E-07	1.05E-08	8.99E-09	1.95E-08	5.79E-09	4.46E-09	1.02E-08	6.54E-08	5.19E-08	1.17E-07
899	650939.47	4194252	6.33E-08	5.17E-08	1.15E-07	1.05E-08	8.97E-09	1.95E-08	5.77E-09	4.45E-09	1.02E-08	6.53E-08	5.18E-08	1.17E-07
900	650953.25	4194232.49	6.28E-08	5.13E-08	1.14E-07	1.04E-08	8.90E-09	1.93E-08	5.73E-09	4.42E-09	1.01E-08	6.48E-08	5.14E-08	1.16E-07
901	650967.04	4194212.98	6.20E-08	5.06E-08	1.13E-07	1.03E-08	8.79E-09	1.91E-08	5.66E-09	4.36E-09	1.00E-08	6.40E-08	5.08E-08	1.15E-07
902	650980.82	4194193.48	6.08E-08	4.96E-08	1.10E-07	1.01E-08	8.62E-09	1.87E-08	5.55E-09	4.28E-09	9.82E-09	6.27E-08	4.98E-08	1.13E-07
903	650994.6	4194173.97	5.92E-08	4.83E-08	1.08E-07	9.81E-09	8.39E-09	1.82E-08	5.40E-09	4.16E-09	9.56E-09	6.11E-08	4.85E-08	1.10E-07
904	651121.59	4194116.43	5.74E-08	4.69E-08	1.04E-07	9.52E-09	8.14E-09	1.77E-08	5.24E-09	4.04E-09	9.28E-09	5.93E-08	4.70E-08	1.06E-07
905	651144.23	4194108.82	5.83E-08	4.76E-08	1.06E-07	9.67E-09	8.27E-09	1.79E-08	5.32E-09	4.10E-09	9.42E-09	6.02E-08	4.78E-08	1.08E-07
906	651166.87	4194101.21	5.96E-08	4.87E-08	1.08E-07	9.88E-09	8.45E-09	1.83E-08	5.44E-09	4.20E-09	9.64E-09	6.15E-08	4.88E-08	1.10E-07
907	651189.52	4194093.61	6.11E-08	4.99E-08	1.11E-07	1.01E-08	8.67E-09	1.88E-08	5.58E-09	4.30E-09	9.88E-09	6.31E-08	5.01E-08	1.13E-07
908	651212.16	4194086	6.27E-08	5.12E-08	1.14E-07	1.04E-08	8.88E-09	1.93E-08	5.72E-09	4.41E-09	1.01E-08	6.47E-08	5.13E-08	1.16E-07
909	650829.19	4194408.04	5.79E-08	4.73E-08	1.05E-07	9.60E-09	8.21E-09	1.78E-08	5.28E-09	4.08E-09	9.36E-09	5.98E-08	4.74E-08	1.07E-07
910	650821.94	4194431.54	5.88E-08	4.80E-08	1.07E-07	9.75E-09	8.34E-09	1.81E-08	5.37E-09	4.14E-09	9.50E-09	6.07E-08	4.82E-08	1.09E-07
911	650814.68	4194455.04	6.02E-08	4.91E-08	1.09E-07	9.97E-09	8.53E-09	1.85E-08	5.49E-09	4.23E-09	9.72E-09	6.21E-08	4.93E-08	1.11E-07
912	650807.43	4194478.54	6.20E-08	5.06E-08	1.13E-07	1.03E-08	8.78E-09	1.91E-08	5.65E-09	4.36E-09	1.00E-08	6.39E-08	5.07E-08	1.15E-07
913	650800.17	4194502.04	6.41E-08	5.24E-08	1.17E-07	1.06E-08	9.09E-09	1.97E-08	5.85E-09	4.51E-09	1.04E-08	6.62E-08	5.25E-08	1.19E-07
914	650792.92	4194525.54	6.67E-08	5.45E-08	1.21E-07	1.11E-08	9.45E-09	2.05E-08	6.08E-09	4.69E-09	1.08E-08	6.88E-08	5.46E-08	1.23E-07
915	650785.66	4194549.04	6.96E-08	5.68E-08	1.26E-07	1.15E-08	9.86E-09	2.14E-08	6.35E-09	4.89E-09	1.12E-08	7.18E-08	5.70E-08	1.29E-07
916	650778.41	4194572.53	7.28E-08	5.94E-08	1.32E-07	1.21E-08	1.03E-08	2.24E-08	6.64E-09	5.12E-09	1.18E-08	7.51E-08	5.96E-08	1.35E-07
917	650771.15	4194596.03	7.62E-08	6.23E-08	1.38E-07	1.26E-08	1.08E-08	2.34E-08	6.95E-09	5.36E-09	1.23E-08	7.87E-08	6.24E-08	1.41E-07
918	650763.9	4194619.53	7.98E-08	6.52E-08	1.45E-07	1.32E-08	1.13E-08	2.45E-08	7.28E-09	5.61E-09	1.29E-08	8.23E-08	6.54E-08	1.48E-07
919	650756.64	4194643.03	8.33E-08	6.80E-08	1.51E-07	1.38E-08	1.18E-08	2.56E-08	7.60E-09	5.86E-09	1.35E-08	8.60E-08	6.82E-08	1.54E-07
920	650749.38	4194666.53	8.66E-08	7.07E-08	1.57E-07	1.44E-08	1.23E-08	2.66E-08	7.90E-09	6.09E-09	1.40E-08	8.94E-08	7.09E-08	1.60E-07
921	650742.13	4194690.03	8.96E-08	7.32E-08	1.63E-07	1.49E-08	1.27E-08	2.76E-08	8.18E-09	6.31E-09	1.45E-08	9.25E-08	7.34E-08	1.66E-07
922	650734.87	4194713.53	9.23E-08	7.54E-08	1.68E-07	1.53E-08	1.31E-08	2.84E-08	8.42E-09	6.50E-09	1.49E-08	9.53E-08	7.56E-08	1.71E-07
923	650727.62	4194737.02	9.47E-08	7.73E-08	1.72E-07	1.57E-08	1.34E-08	2.91E-08	8.64E-09	6.66E-09	1.53E-08	9.77E-08	7.76E-08	1.75E-07
924	650720.36	4194760.52	9.66E-08	7.89E-08	1.76E-07	1.60E-08	1.37E-08	2.97E-08	8.81E-09	6.80E-09	1.56E-08	9.97E-08	7.91E-08	1.79E-07
925	650747.08	4194359.52	4.54E-08	3.70E-08	8.24E-08	7.52E-09	6.43E-09	1.39E-08	4.14E-09	3.19E-09	7.33E-09	4.68E-08	3.72E-08	8.40E-08
926	650760.52	4194340.51	4.60E-08	3.76E-08	8.36E-08	7.62E-09	6.52E-09	1.41E-08	4.20E-09	3.24E-09	7.43E-09	4.75E-08	3.77E-08	8.52E-08
927	650773.96	4194321.49	4.68E-08	3.82E-08	8.49E-08	7.75E-09	6.63E-09	1.44E-08	4.27E-09	3.29E-09	7.56E-09	4.83E-08	3.83E-08	8.66E-08
928	650787.4	4194302.47	4.76E-08	3.88E-08	8.64E-08	7.88E-09	6.74E-09	1.46E-08	4.34E-09	3.35E-09	7.68E-09	4.91E-08	3.90E-08	8.80E-08
929	650800.84	4194283.45	4.83E-08	3.94E-08	8.77E-08	8.00E-09	6.85E-09	1.49E-08	4.41E-09	3.40E-09	7.80E-09	4.98E-08	3.96E-08	8.94E-08
930	650814.28	4194264.43	4.89E-08	3.99E-08	8.88E-08	8.11E-09	6.93E-09	1.50E-08	4.46E-09	3.44E-09	7.90E-09	5.05E-08	4.01E-08	9.05E-08
931	650827.72	4194245.41	4.93E-08	4.03E-08	8.96E-08	8.18E-09	7.00E-09	1.52E-08	4.50E-09	3.47E-09	7.97E-09	5.09E-08	4.04E-08	9.13E-08
932	650841.16	4194226.4	4.96E-08	4.05E-08	9.01E-08	8.22E-09	7.03E-09	1.53E-08	4.53E-09	3.49E-09	8.02E-09	5.12E-08	4.06E-08	9.19E-08
933	650854.6	4194207.38	4.98E-08	4.07E-08	9.05E-08	8.25E-09	7.06E-09	1.53E-08	4.54E-09	3.50E-09	8.05E-09	5.14E-08	4.08E-08	9.22E-08
934	650868.04	4194188.36	4.99E-08	4.07E-08	9.06E-08	8.26E-09	7.07E-09	1.53E-08	4.55E-09	3.51E-09	8.06E-09	5.15E-08	4.08E-08	9.23E-08
935	650881.48	4194169.34	4.98E-08	4.07E-08	9.05E-08	8.25E-09	7.06E-09	1.53E-08	4.54E-09	3.50E-09	8.05E-09	5.14E-08	4.08E-08	9.22E-08
936	650921.8	4194112.29	4.82E-08	3.94E-08	8.76E-08	7.99E-09	6.84E-09	1.48E-08	4.40E-09	3.39E-09	7.79E-09	4.98E-08	3.95E-08	8.93E-08
937	650935.24	4194093.27	4.71E-08	3.84E-08	8.55E-08	7.80E-09	6.67E-09	1.45E-08	4.29E-09	3.31E-09	7.60E-09	4.86E-08	3.85E-08	8.71E-08
938	650970.75	4194066.83	4.53E-08	3.70E-08	8.23E-08	7.51E-09	6.42E-09	1.39E-08	4.13E-09	3.19E-09	7.32E-09	4.67E-08	3.71E-08	8.38E-08
939	650992.83	4194059.42	4.48E-08	3.66E-08	8.14E-08	7.43E-09	6.35E-09	1.38E-08	4.09E-09	3.15E-09	7.24E-09	4.63E-08	3.67E-08	8.30E-08
940	651014.9	4194052	4.43E-08	3.62E-08	8.05E-08	7.35E-09	6.28E-09	1.36E-08	4.04E-09	3.12E-09	7.16E-09	4.57E-08	3.63E-08	8.21E-08
941	651036.98	4194044.58	4.40E-08	3.59E-08	7.99E-08	7.29E-09	6.24E-09	1.35E-08	4.01E-09	3.09E-09	7.11E-09	4.54E-08	3.60E-08	8.14E-08
942	651059.05	4194037.16	4.39E-08	3.58E-08	7.97E-08	7.28E-09	6.22E-09	1.35E-08	4.01E-09	3.09E-09	7.09E-09	4.53E-08	3.60E-08	8.13E-08
943	651081.13	4194029.75	4.42E-08	3.61E-08	8.03E-08	7.32E-09	6.26E-09	1.36E-08	4.03E-09	3.11E-09	7.14E-09	4.56E-08	3.62E-08	8.18E-08
944	651103.2	4194022.33	4.49E-08	3.67E-08	8.15E-08	7.44E-09	6.36E-09	1.38E-08	4.09E-09	3.16E-09	7.25E-09	4.63E-08	3.68E-08	8.31E-08

945	651125.28	4194014.91	4.59E-08	3.75E-08	8.34E-08	7.61E-09	6.51E-09	1.41E-08	4.19E-09	3.23E-09	7.42E-09	4.74E-08	3.76E-08	8.50E-08
946	651147.35	4194007.49	4.72E-08	3.86E-08	8.58E-08	7.83E-09	6.69E-09	1.45E-08	4.31E-09	3.32E-09	7.63E-09	4.87E-08	3.87E-08	8.74E-08
947	651169.43	4194000.08	4.86E-08	3.97E-08	8.83E-08	8.05E-09	6.89E-09	1.49E-08	4.43E-09	3.42E-09	7.85E-09	5.01E-08	3.98E-08	8.99E-08
948	651191.5	4193992.66	4.99E-08	4.07E-08	9.06E-08	8.27E-09	7.07E-09	1.53E-08	4.55E-09	3.51E-09	8.06E-09	5.15E-08	4.08E-08	9.23E-08
949	651213.58	4193985.24	5.09E-08	4.16E-08	9.24E-08	8.43E-09	7.21E-09	1.56E-08	4.64E-09	3.58E-09	8.22E-09	5.25E-08	4.17E-08	9.42E-08
950	650733.64	4194378.54	4.49E-08	3.67E-08	8.15E-08	7.44E-09	6.36E-09	1.38E-08	4.10E-09	3.16E-09	7.25E-09	4.63E-08	3.68E-08	8.31E-08
951	650726.39	4194402.04	4.54E-08	3.71E-08	8.25E-08	7.53E-09	6.44E-09	1.40E-08	4.15E-09	3.20E-09	7.34E-09	4.69E-08	3.72E-08	8.41E-08
952	650719.13	4194425.54	4.62E-08	3.78E-08	8.40E-08	7.66E-09	6.55E-09	1.42E-08	4.22E-09	3.25E-09	7.47E-09	4.77E-08	3.79E-08	8.56E-08
953	650711.88	4194449.04	4.73E-08	3.86E-08	8.59E-08	7.84E-09	6.71E-09	1.45E-08	4.32E-09	3.33E-09	7.64E-09	4.88E-08	3.87E-08	8.76E-08
954	650704.62	4194472.54	4.87E-08	3.97E-08	8.84E-08	8.07E-09	6.90E-09	1.50E-08	4.44E-09	3.42E-09	7.86E-09	5.02E-08	3.99E-08	9.01E-08
955	650697.37	4194496.04	5.03E-08	4.11E-08	9.15E-08	8.34E-09	7.14E-09	1.55E-08	4.59E-09	3.54E-09	8.14E-09	5.20E-08	4.12E-08	9.32E-08
956	650690.11	4194519.53	5.24E-08	4.28E-08	9.52E-08	8.68E-09	7.43E-09	1.61E-08	4.78E-09	3.69E-09	8.46E-09	5.41E-08	4.29E-08	9.70E-08
957	650682.86	4194543.03	5.48E-08	4.47E-08	9.95E-08	9.08E-09	7.77E-09	1.68E-08	5.00E-09	3.85E-09	8.85E-09	5.65E-08	4.49E-08	1.01E-07
958	650675.6	4194566.53	5.74E-08	4.69E-08	1.04E-07	9.52E-09	8.14E-09	1.77E-08	5.24E-09	4.04E-09	9.28E-09	5.93E-08	4.70E-08	1.06E-07
959	650668.35	4194590.03	6.02E-08	4.92E-08	1.09E-07	9.98E-09	8.54E-09	1.85E-08	5.49E-09	4.24E-09	9.73E-09	6.22E-08	4.93E-08	1.11E-07
960	650661.09	4194613.53	6.30E-08	5.14E-08	1.14E-07	1.04E-08	8.93E-09	1.94E-08	5.75E-09	4.43E-09	1.02E-08	6.50E-08	5.16E-08	1.17E-07
961	650653.84	4194637.03	6.55E-08	5.35E-08	1.19E-07	1.09E-08	9.29E-09	2.02E-08	5.98E-09	4.61E-09	1.06E-08	6.76E-08	5.37E-08	1.21E-07
962	650646.58	4194660.53	6.78E-08	5.54E-08	1.23E-07	1.12E-08	9.61E-09	2.08E-08	6.19E-09	4.77E-09	1.10E-08	7.00E-08	5.55E-08	1.26E-07
963	650639.32	4194684.02	6.98E-08	5.70E-08	1.27E-07	1.16E-08	9.89E-09	2.15E-08	6.37E-09	4.91E-09	1.13E-08	7.20E-08	5.71E-08	1.29E-07
964	650632.07	4194707.52	7.15E-08	5.84E-08	1.30E-07	1.18E-08	1.01E-08	2.20E-08	6.52E-09	5.03E-09	1.15E-08	7.38E-08	5.85E-08	1.32E-07
965	650624.81	4194731.02	7.29E-08	5.95E-08	1.32E-07	1.21E-08	1.03E-08	2.24E-08	6.65E-09	5.13E-09	1.18E-08	7.52E-08	5.97E-08	1.35E-07
966	650652.03	4194329.32	3.66E-08	2.99E-08	6.64E-08	6.06E-09	5.18E-09	1.12E-08	3.34E-09	2.57E-09	5.91E-09	3.77E-08	3.00E-08	6.77E-08
967	650665.97	4194309.6	3.71E-08	3.03E-08	6.73E-08	6.14E-09	5.25E-09	1.14E-08	3.38E-09	2.61E-09	5.99E-09	3.82E-08	3.04E-08	6.86E-08
968	650679.91	4194289.87	3.76E-08	3.07E-08	6.83E-08	6.23E-09	5.33E-09	1.16E-08	3.43E-09	2.65E-09	6.08E-09	3.88E-08	3.08E-08	6.96E-08
969	650693.84	4194270.15	3.82E-08	3.12E-08	6.94E-08	6.33E-09	5.42E-09	1.17E-08	3.49E-09	2.69E-09	6.17E-09	3.94E-08	3.13E-08	7.07E-08
970	650707.78	4194250.43	3.88E-08	3.17E-08	7.05E-08	6.43E-09	5.50E-09	1.19E-08	3.54E-09	2.73E-09	6.27E-09	4.00E-08	3.18E-08	7.18E-08
971	650721.72	4194230.71	3.93E-08	3.21E-08	7.14E-08	6.51E-09	5.57E-09	1.21E-08	3.58E-09	2.76E-09	6.35E-09	4.05E-08	3.22E-08	7.27E-08
972	650735.66	4194210.98	3.97E-08	3.24E-08	7.21E-08	6.57E-09	5.62E-09	1.22E-08	3.62E-09	2.79E-09	6.41E-09	4.09E-08	3.25E-08	7.34E-08
973	650749.59	4194191.26	3.99E-08	3.26E-08	7.26E-08	6.62E-09	5.66E-09	1.23E-08	3.64E-09	2.81E-09	6.45E-09	4.12E-08	3.27E-08	7.39E-08
974	650763.53	4194171.54	4.01E-08	3.28E-08	7.29E-08	6.65E-09	5.69E-09	1.23E-08	3.66E-09	2.82E-09	6.49E-09	4.14E-08	3.29E-08	7.43E-08
975	650805.34	4194112.37	4.07E-08	3.32E-08	7.39E-08	6.74E-09	5.77E-09	1.25E-08	3.71E-09	2.86E-09	6.57E-09	4.20E-08	3.33E-08	7.53E-08
976	650819.28	4194092.65	4.07E-08	3.33E-08	7.40E-08	6.75E-09	5.78E-09	1.25E-08	3.72E-09	2.87E-09	6.58E-09	4.21E-08	3.34E-08	7.54E-08
977	650833.22	4194072.92	4.06E-08	3.32E-08	7.38E-08	6.74E-09	5.76E-09	1.25E-08	3.71E-09	2.86E-09	6.57E-09	4.20E-08	3.33E-08	7.52E-08
978	650847.16	4194053.2	4.03E-08	3.29E-08	7.32E-08	6.68E-09	5.72E-09	1.24E-08	3.68E-09	2.84E-09	6.51E-09	4.16E-08	3.30E-08	7.46E-08
979	650861.09	4194033.48	3.97E-08	3.24E-08	7.21E-08	6.58E-09	5.63E-09	1.22E-08	3.62E-09	2.79E-09	6.41E-09	4.10E-08	3.25E-08	7.35E-08
980	650875.03	4194013.76	3.88E-08	3.17E-08	7.04E-08	6.43E-09	5.50E-09	1.19E-08	3.54E-09	2.73E-09	6.27E-09	4.00E-08	3.18E-08	7.18E-08
981	650911.86	4193986.34	3.72E-08	3.04E-08	6.76E-08	6.17E-09	5.28E-09	1.14E-08	3.40E-09	2.62E-09	6.01E-09	3.84E-08	3.05E-08	6.89E-08
982	650934.75	4193978.65	3.67E-08	2.99E-08	6.66E-08	6.08E-09	5.20E-09	1.13E-08	3.34E-09	2.58E-09	5.92E-09	3.78E-08	3.00E-08	6.79E-08
983	650957.65	4193970.96	3.60E-08	2.94E-08	6.55E-08	5.97E-09	5.11E-09	1.11E-08	3.29E-09	2.54E-09	5.82E-09	3.72E-08	2.95E-08	6.67E-08
984	650980.54	4193963.27	3.55E-08	2.90E-08	6.45E-08	5.88E-09	5.03E-09	1.09E-08	3.24E-09	2.50E-09	5.73E-09	3.66E-08	2.91E-08	6.57E-08
985	651003.43	4193955.57	3.51E-08	2.87E-08	6.38E-08	5.82E-09	4.98E-09	1.08E-08	3.20E-09	2.47E-09	5.67E-09	3.62E-08	2.88E-08	6.50E-08
986	651026.32	4193947.88	3.51E-08	2.86E-08	6.37E-08	5.81E-09	4.97E-09	1.08E-08	3.20E-09	2.47E-09	5.67E-09	3.62E-08	2.87E-08	6.49E-08
987	651049.22	4193940.19	3.54E-08	2.89E-08	6.44E-08	5.87E-09	5.02E-09	1.09E-08	3.23E-09	2.49E-09	5.72E-09	3.66E-08	2.90E-08	6.56E-08
988	651072.11	4193932.5	3.62E-08	2.95E-08	6.57E-08	6.00E-09	5.13E-09	1.11E-08	3.30E-09	2.55E-09	5.85E-09	3.73E-08	2.96E-08	6.70E-08
989	651095	4193924.8	3.73E-08	3.04E-08	6.77E-08	6.18E-09	5.28E-09	1.15E-08	3.40E-09	2.62E-09	6.02E-09	3.85E-08	3.05E-08	6.90E-08
990	651117.89	4193917.11	3.86E-08	3.15E-08	7.01E-08	6.39E-09	5.47E-09	1.19E-08	3.52E-09	2.71E-09	6.23E-09	3.98E-08	3.16E-08	7.14E-08
991	651140.78	4193909.42	3.99E-08	3.26E-08	7.25E-08	6.61E-09	5.66E-09	1.23E-08	3.64E-09	2.81E-09	6.45E-09	4.12E-08	3.27E-08	7.39E-08
992	651163.68	4193901.73	4.11E-08	3.36E-08	7.47E-08	6.82E-09	5.83E-09	1.27E-08	3.75E-09	2.89E-09	6.65E-09	4.25E-08	3.37E-08	7.62E-08
993	651186.57	4193894.04	4.21E-08	3.44E-08	7.65E-08	6.98E-09	5.97E-09	1.29E-08	3.84E-09	2.96E-09	6.80E-09	4.35E-08	3.45E-08	7.79E-08
994	651209.46	4193886.34	4.27E-08	3.49E-08	7.76E-08	7.08E-09	6.05E-09	1.31E-08	3.90E-09	3.00E-09	6.90E-09	4.41E-08	3.50E-08	7.90E-08
995	651232.35	4193878.65	4.28E-08	3.50E-08	7.78E-08	7.10E-09	6.07E-09	1.32E-08	3.91E-09	3.01E-09	6.92E-09	4.42E-08	3.51E-08	7.93E-08
996	651255.25	4193870.96	4.30E-08	3.51E-08	7.81E-08	7.13E-09	6.10E-09	1.32E-08	3.92E-09	3.03E-09	6.95E-09	4.44E-08	3.52E-08	7.96E-08
997	651278.14	4193863.27	4.31E-08	3.52E-08	7.83E-08	7.14E-09	6.11E-09	1.33E-08	3.93E-09	3.03E-09	6.97E-09	4.45E-08	3.53E-08	7.98E-08
998	650638.09	4194349.04	3.62E-08	2.95E-08	6.57E-08	6.00E-09	5.13E-09	1.11E-08	3.30E-09	2.55E-09	5.85E-09	3.73E-08	2.96E-08	6.70E-08
999	650630.84	4194372.54	3.65E-08	2.98E-08	6.62E-08	6.04E-09	5.17E-09	1.12E-08	3.33E-09	2.57E-09	5.89E-09	3.76E-08	2.99E-08	6.75E-08
1000	650623.58	4194396.04	3.69E-08	3.01E-08	6.70E-08	6.12E-09	5.23E-09	1.13E-08	3.37E-09	2.60E-09	5.96E-09	3.81E-08	3.02E-08	6.83E-08
1001	650616.33	4194419.54	3.76E-08	3.07E-08	6.82E-08	6.22E-09	5.32E-09	1.15E-08	3.43E-09	2.64E-09	6.07E-09	3.88E-08	3.08E-08	6.95E-08
1002	650609.07	4194443.04	3.85E-08	3.14E-08	6.99E-08	6.38E-09	5.45E-09	1.18E-08	3.51E-09	2.71E-09	6.22E-09	3.97E-08	3.15E-08	7.12E-08
1003	650601.82	4194466.53	3.97E-08	3.24E-08	7.21E-08	6.58E-09	5.62E-09	1.22E-08	3.62E-09	2.79E-09	6.41E-09	4.09E-08	3.25E-08	7.34E-08
1004	650594.56	4194490.03	4.12E-08	3.37E-08	7.49E-08	6.83E-09	5.84E-09	1.27E-08	3.76E-09	2.90E-09	6.66E-09	4.25E-08	3.38E-08	7.63E-08
1005	650587.31	4194513.53	4.31E-08	3.52E-08	7.82E-08	7.14E-09	6.10E-09	1.32E-08	3.93E-09	3.03E-09	6.96E-09	4.44E-08	3.53E-08	7.97E-08
1006	650580.05	4194537.03	4.51E-08	3.69E-08	8.20E-08	7.48E-09	6.40E-09	1.39E-08	4.12E-09	3.18E-09	7.29E-09	4.66E-08	3.70E-08	8.35E-08
1007	650572.8	4194560.53	4.73E-08	3.87E-08	8.60E-08	7.84E-09	6.71E-09	1.46E-08	4.32E-09	3.33E-09	7.65E-09	4.88E-08	3.88E-08	8.76E-08
1008	650565.54	4194584.03	4.95E-08	4.05E-08	9.00E-08	8.21E-09	7.02E-09	1.52E-08	4.52E-09	3.49E-09	8.01E-09	5.11E-08	4.06E-08	9.17E-08
1009	650558.29	4194607.53	5.16E-08	4.22E-08	9.38E-08	8.56E-09	7.32E-09	1.59E-08	4.71E-09	3.63E-09	8.35E-09	5.33E-08	4.23E-08	9.56E-08
1010	650551.03	4194631.02	5.35E-08	4.37E-08	9.72E-08	8.87E-09	7.59E-09	1.65E-08	4.88E-09	3.77E-09	8.65E-09	5.52E-08	4.38E-08	9.91E-08
1011	650543.78	4194654.52	5.51E-08	4.50E-08	1.00E-07	9.14E-09	7.82E-09	1.70E-08	5.03E-09	3.88E-09	8.91E-09	5.69E-08	4.52E-08	1.02E-07
1012	650536.52	4194678.02	5.65E-08	4.61E-08	1.03E-07	9.36E-09	8.01E-09	1.74E-08	5.15E-09	3.97E-09	9.13E-09	5.83E-08	4.63E-08	1.05E-07
1013	650529.26	4194701.52	5.76E-08	4.70E-08	1.05E-07	9.55E-09	8.17E-09	1.77E-08	5.26E-09	4.05E-09	9.31E-09	5.95E-08	4.72E-08	1.07E-07
1014	650461.02	4194270.19	2.56E-08	2.09E-08	4.66E-08	4.25E-09	3.64E-09	7.89E-09	2.34E-09	1.80E-09	4.14E-09	2.65E-08	2.10E-08	4.75E-08
1015	650475.04	4194250.35	2.61E-08	2.13E-08	4.74E-08	4.32E-09	3.70E-09	8.02E-09	2.38E-09	1.83E-09	4.21E-09	2.69E-08	2.14E-08	4.83E-08
1016	650489.07	4194230.5	2.65E-08	2.16E-08	4.81E-08	4.39E-09	3.75E-09	8.14E-09	2.42E-09	1.86E-09	4.28E-09	2.73E-08	2.17E-08	4.90E-08
1017	650503.09	4194210.66	2.69E-08	2.20E-08	4.88E-08	4.45E-09	3.81E-09	8.27E-09	2.45E-09	1.89E-09	4.34E-09	2.77E-08	2.20E-08	4.98E-08
1018	650517.12	4194190.81	2.72E-08	2.22E-08	4.95E-08	4.52E-09	3.86E-09	8.38E-09	2.49E-09	1.92E-09	4.40E-09	2.81E-08	2.23E-08	5.04E-08
1019	650531.14	4194170.97	2.76E-08	2.25E-08	5.01E-08	4.57E-09	3.91E-09	8.48E-09	2.52E-09	1.94E-09	4.46E-09	2.85E-08	2.26E-08	5.10E-08
1020	650573.21	4194111.43	2.82E-08	2.30E-08	5.11E-08	4.67E-09	3.99E-09	8.66E-09	2.57E-09	1.98E-09	4.55E-09	2.91E-08	2.31E-08	5.21E-08
1021	650587.24	4194091.59	2.82E-08	2.31E-08	5.13E-08	4.68E-09	4.00E-09	8.68E-09	2.58E-09	1.99E-09	4.56E-09	2.91E-08	2.31E-08	5.22E-08
1022	650601.26	4194071.74	2.83E-08	2.31E-08	5.14E-08	4.69E-09	4.01E-09	8.69E-09	2.58E-09	1.99E-09	4.57E-09	2.92E-08	2.32E-08	5.23E-08
1023	650615.28	4194051.9	2.83E-08	2.31E-08	5.15E-08	4.70E-09	4.02E-09	8.71E-09	2.59E-09	1.99E-09	4.58E-09	2.92E-08	2.32E-08	5.25E-08

1024	650629.31	4194032.05	2.85E-08	2.32E-08	5.17E-08	4.72E-09	4.03E-09	8.75E-09	2.60E-09	2.00E-09	4.60E-09	2.94E-08	2.33E-08	5.27E-08
1025	650643.33	4194012.21	2.86E-08	2.34E-08	5.20E-08	4.75E-09	4.06E-09	8.81E-09	2.61E-09	2.01E-09	4.63E-09	2.96E-08	2.35E-08	5.30E-08
1026	650657.36	4193992.36	2.89E-08	2.36E-08	5.24E-08	4.79E-09	4.09E-09	8.88E-09	2.63E-09	2.03E-09	4.67E-09	2.98E-08	2.36E-08	5.34E-08
1027	650671.38	4193972.52	2.91E-08	2.38E-08	5.29E-08	4.82E-09	4.13E-09	8.95E-09	2.66E-09	2.05E-09	4.70E-09	3.00E-08	2.38E-08	5.39E-08
1028	650685.4	4193952.67	2.93E-08	2.39E-08	5.32E-08	4.86E-09	4.15E-09	9.01E-09	2.67E-09	2.06E-09	4.73E-09	3.02E-08	2.40E-08	5.42E-08
1029	650699.43	4193932.83	2.94E-08	2.40E-08	5.34E-08	4.87E-09	4.17E-09	9.04E-09	2.68E-09	2.07E-09	4.75E-09	3.03E-08	2.41E-08	5.44E-08
1030	650713.45	4193912.98	2.94E-08	2.40E-08	5.33E-08	4.87E-09	4.16E-09	9.03E-09	2.68E-09	2.07E-09	4.74E-09	3.03E-08	2.41E-08	5.44E-08
1031	650727.48	4193893.14	2.92E-08	2.38E-08	5.30E-08	4.83E-09	4.13E-09	8.97E-09	2.66E-09	2.05E-09	4.71E-09	3.01E-08	2.39E-08	5.40E-08
1032	650741.5	4193873.29	2.88E-08	2.35E-08	5.23E-08	4.77E-09	4.08E-09	8.85E-09	2.63E-09	2.02E-09	4.65E-09	2.97E-08	2.36E-08	5.33E-08
1033	650755.52	4193853.45	2.82E-08	2.31E-08	5.13E-08	4.68E-09	4.00E-09	8.68E-09	2.58E-09	1.99E-09	4.56E-09	2.91E-08	2.31E-08	5.22E-08
1034	650792.58	4193825.86	2.72E-08	2.22E-08	4.94E-08	4.51E-09	3.86E-09	8.36E-09	2.48E-09	1.91E-09	4.39E-09	2.81E-08	2.23E-08	5.03E-08
1035	650815.62	4193818.12	2.67E-08	2.18E-08	4.85E-08	4.43E-09	3.79E-09	8.22E-09	2.44E-09	1.88E-09	4.32E-09	2.76E-08	2.19E-08	4.95E-08
1036	650838.65	4193810.38	2.61E-08	2.13E-08	4.75E-08	4.33E-09	3.70E-09	8.03E-09	2.38E-09	1.84E-09	4.22E-09	2.70E-08	2.14E-08	4.84E-08
1037	650861.69	4193802.64	2.55E-08	2.08E-08	4.63E-08	4.22E-09	3.61E-09	7.83E-09	2.32E-09	1.79E-09	4.12E-09	2.63E-08	2.09E-08	4.72E-08
1038	650884.72	4193794.9	2.49E-08	2.03E-08	4.52E-08	4.12E-09	3.53E-09	7.65E-09	2.27E-09	1.75E-09	4.02E-09	2.57E-08	2.04E-08	4.60E-08
1039	650907.76	4193787.16	2.44E-08	1.99E-08	4.43E-08	4.04E-09	3.46E-09	7.50E-09	2.22E-09	1.72E-09	3.94E-09	2.52E-08	2.00E-08	4.51E-08
1040	650930.79	4193779.42	2.41E-08	1.97E-08	4.38E-08	4.00E-09	3.42E-09	7.42E-09	2.20E-09	1.70E-09	3.90E-09	2.49E-08	1.98E-08	4.47E-08
1041	650953.82	4193771.68	2.42E-08	1.97E-08	4.39E-08	4.01E-09	3.43E-09	7.43E-09	2.20E-09	1.70E-09	3.91E-09	2.49E-08	1.98E-08	4.47E-08
1042	650976.86	4193763.94	2.45E-08	2.00E-08	4.46E-08	4.07E-09	3.48E-09	7.55E-09	2.24E-09	1.73E-09	3.97E-09	2.53E-08	2.01E-08	4.54E-08
1043	650999.89	4193756.2	2.52E-08	2.06E-08	4.59E-08	4.18E-09	3.58E-09	7.76E-09	2.30E-09	1.78E-09	4.08E-09	2.61E-08	2.07E-08	4.67E-08
1044	651022.93	4193748.46	2.62E-08	2.14E-08	4.77E-08	4.35E-09	3.72E-09	8.07E-09	2.39E-09	1.85E-09	4.24E-09	2.71E-08	2.15E-08	4.86E-08
1045	651045.96	4193740.72	2.74E-08	2.24E-08	4.98E-08	4.54E-09	3.89E-09	8.43E-09	2.50E-09	1.93E-09	4.43E-09	2.83E-08	2.25E-08	5.07E-08
1046	651069	4193732.98	2.87E-08	2.34E-08	5.21E-08	4.75E-09	4.06E-09	8.81E-09	2.61E-09	2.02E-09	4.63E-09	2.96E-08	2.35E-08	5.31E-08
1047	651092.03	4193725.24	2.98E-08	2.44E-08	5.42E-08	4.95E-09	4.23E-09	9.18E-09	2.72E-09	2.10E-09	4.82E-09	3.08E-08	2.44E-08	5.52E-08
1048	651115.07	4193717.5	3.09E-08	2.52E-08	5.61E-08	5.11E-09	4.37E-09	9.49E-09	2.82E-09	2.17E-09	4.99E-09	3.18E-08	2.53E-08	5.71E-08
1049	651138.1	4193709.76	3.16E-08	2.58E-08	5.73E-08	5.23E-09	4.47E-09	9.70E-09	2.88E-09	2.22E-09	5.10E-09	3.26E-08	2.58E-08	5.84E-08
1050	651161.14	4193702.02	3.19E-08	2.61E-08	5.80E-08	5.29E-09	4.53E-09	9.82E-09	2.91E-09	2.25E-09	5.16E-09	3.29E-08	2.61E-08	5.91E-08
1051	651184.17	4193694.28	3.19E-08	2.61E-08	5.80E-08	5.29E-09	4.53E-09	9.82E-09	2.91E-09	2.25E-09	5.16E-09	3.30E-08	2.62E-08	5.91E-08
1052	651207.21	4193686.54	3.17E-08	2.59E-08	5.75E-08	5.25E-09	4.49E-09	9.73E-09	2.89E-09	2.23E-09	5.12E-09	3.27E-08	2.59E-08	5.86E-08
1053	651230.24	4193678.8	3.12E-08	2.55E-08	5.66E-08	5.17E-09	4.42E-09	9.58E-09	2.84E-09	2.19E-09	5.04E-09	3.22E-08	2.55E-08	5.77E-08
1054	651253.27	4193671.06	3.06E-08	2.50E-08	5.55E-08	5.07E-09	4.33E-09	9.40E-09	2.79E-09	2.15E-09	4.94E-09	3.15E-08	2.50E-08	5.66E-08
1055	651276.31	4193663.32	3.00E-08	2.45E-08	5.45E-08	4.97E-09	4.25E-09	9.22E-09	2.74E-09	2.11E-09	4.85E-09	3.10E-08	2.46E-08	5.55E-08
1056	650447	4194290.04	2.53E-08	2.06E-08	4.59E-08	4.19E-09	3.58E-09	7.77E-09	2.31E-09	1.78E-09	4.08E-09	2.61E-08	2.07E-08	4.68E-08
1057	650439.74	4194313.54	2.53E-08	2.06E-08	4.59E-08	4.19E-09	3.58E-09	7.78E-09	2.31E-09	1.78E-09	4.09E-09	2.61E-08	2.07E-08	4.68E-08
1058	650432.49	4194337.04	2.54E-08	2.08E-08	4.62E-08	4.22E-09	3.61E-09	7.82E-09	2.32E-09	1.79E-09	4.11E-09	2.62E-08	2.08E-08	4.71E-08
1059	650425.23	4194360.53	2.58E-08	2.10E-08	4.68E-08	4.27E-09	3.65E-09	7.92E-09	2.35E-09	1.81E-09	4.16E-09	2.66E-08	2.11E-08	4.77E-08
1060	650417.97	4194384.03	2.63E-08	2.15E-08	4.78E-08	4.36E-09	3.73E-09	8.09E-09	2.40E-09	1.85E-09	4.25E-09	2.71E-08	2.15E-08	4.87E-08
1061	650410.72	4194407.53	2.71E-08	2.21E-08	4.92E-08	4.49E-09	3.84E-09	8.32E-09	2.47E-09	1.90E-09	4.37E-09	2.79E-08	2.22E-08	5.01E-08
1062	650403.46	4194431.03	2.80E-08	2.29E-08	5.09E-08	4.65E-09	3.98E-09	8.62E-09	2.56E-09	1.97E-09	4.53E-09	2.89E-08	2.30E-08	5.19E-08
1063	650396.21	4194454.53	2.92E-08	2.38E-08	5.30E-08	4.84E-09	4.14E-09	8.98E-09	2.66E-09	2.05E-09	4.72E-09	3.01E-08	2.39E-08	5.41E-08
1064	650388.95	4194478.03	3.05E-08	2.49E-08	5.54E-08	5.06E-09	4.33E-09	9.38E-09	2.78E-09	2.15E-09	4.93E-09	3.15E-08	2.50E-08	5.65E-08
1065	650381.7	4194501.53	3.19E-08	2.61E-08	5.80E-08	5.29E-09	4.52E-09	9.81E-09	2.91E-09	2.24E-09	5.16E-09	3.29E-08	2.61E-08	5.91E-08
1066	650374.44	4194525.02	3.33E-08	2.72E-08	6.06E-08	5.53E-09	4.73E-09	1.03E-08	3.04E-09	2.35E-09	5.39E-09	3.44E-08	2.73E-08	6.17E-08
1067	650367.19	4194548.52	3.48E-08	2.84E-08	6.31E-08	5.76E-09	4.93E-09	1.07E-08	3.17E-09	2.45E-09	5.62E-09	3.59E-08	2.85E-08	6.43E-08
1068	650359.93	4194572.02	3.61E-08	2.95E-08	6.56E-08	5.98E-09	5.12E-09	1.11E-08	3.29E-09	2.54E-09	5.83E-09	3.73E-08	2.96E-08	6.68E-08
1069	650352.68	4194595.52	3.74E-08	3.05E-08	6.79E-08	6.19E-09	5.30E-09	1.15E-08	3.41E-09	2.63E-09	6.04E-09	3.86E-08	3.06E-08	6.92E-08
1070	650345.42	4194619.02	3.85E-08	3.14E-08	6.99E-08	6.38E-09	5.45E-09	1.18E-08	3.51E-09	2.71E-09	6.22E-09	3.97E-08	3.15E-08	7.12E-08
1071	650338.17	4194642.52	3.94E-08	3.22E-08	7.16E-08	6.53E-09	5.58E-09	1.21E-08	3.59E-09	2.77E-09	6.37E-09	4.07E-08	3.23E-08	7.29E-08
1072	650269.98	4194211.11	1.91E-08	1.56E-08	3.47E-08	3.17E-09	2.71E-09	5.88E-09	1.74E-09	1.34E-09	3.09E-09	1.97E-08	1.56E-08	3.54E-08
1073	650284.06	4194191.19	1.95E-08	1.59E-08	3.54E-08	3.23E-09	2.76E-09	5.99E-09	1.78E-09	1.37E-09	3.15E-09	2.01E-08	1.60E-08	3.61E-08
1074	650298.14	4194171.26	1.99E-08	1.62E-08	3.61E-08	3.30E-09	2.82E-09	6.12E-09	1.81E-09	1.40E-09	3.21E-09	2.05E-08	1.63E-08	3.68E-08
1075	650312.22	4194151.34	2.03E-08	1.66E-08	3.69E-08	3.36E-09	2.88E-09	6.24E-09	1.85E-09	1.43E-09	3.28E-09	2.09E-08	1.66E-08	3.76E-08
1076	650326.3	4194131.42	2.07E-08	1.69E-08	3.76E-08	3.43E-09	2.93E-09	6.36E-09	1.89E-09	1.45E-09	3.34E-09	2.13E-08	1.69E-08	3.83E-08
1077	650340.38	4194111.49	2.10E-08	1.71E-08	3.81E-08	3.48E-09	2.97E-09	6.45E-09	1.91E-09	1.48E-09	3.39E-09	2.17E-08	1.72E-08	3.88E-08
1078	650354.46	4194091.57	2.12E-08	1.73E-08	3.85E-08	3.52E-09	3.01E-09	6.52E-09	1.94E-09	1.49E-09	3.43E-09	2.19E-08	1.74E-08	3.93E-08
1079	650368.53	4194071.64	2.14E-08	1.75E-08	3.88E-08	3.54E-09	3.03E-09	6.57E-09	1.95E-09	1.50E-09	3.45E-09	2.21E-08	1.75E-08	3.96E-08
1080	650382.61	4194051.72	2.15E-08	1.75E-08	3.90E-08	3.56E-09	3.05E-09	6.61E-09	1.96E-09	1.51E-09	3.47E-09	2.22E-08	1.76E-08	3.98E-08
1081	650396.69	4194031.8	2.15E-08	1.76E-08	3.91E-08	3.57E-09	3.05E-09	6.62E-09	1.96E-09	1.51E-09	3.48E-09	2.22E-08	1.76E-08	3.98E-08
1082	650410.77	4194011.87	2.15E-08	1.76E-08	3.91E-08	3.57E-09	3.05E-09	6.62E-09	1.96E-09	1.51E-09	3.48E-09	2.22E-08	1.76E-08	3.98E-08
1083	650424.85	4193991.95	2.15E-08	1.75E-08	3.90E-08	3.56E-09	3.05E-09	6.61E-09	1.96E-09	1.51E-09	3.47E-09	2.22E-08	1.76E-08	3.98E-08
1084	650438.93	4193972.03	2.14E-08	1.75E-08	3.90E-08	3.55E-09	3.04E-09	6.59E-09	1.96E-09	1.51E-09	3.47E-09	2.21E-08	1.76E-08	3.97E-08
1085	650453.01	4193952.1	2.14E-08	1.75E-08	3.89E-08	3.55E-09	3.04E-09	6.59E-09	1.95E-09	1.51E-09	3.46E-09	2.21E-08	1.75E-08	3.97E-08
1086	650467.09	4193932.18	2.14E-08	1.75E-08	3.90E-08	3.55E-09	3.04E-09	6.59E-09	1.96E-09	1.51E-09	3.47E-09	2.21E-08	1.76E-08	3.97E-08
1087	650481.17	4193912.25	2.15E-08	1.76E-08	3.91E-08	3.57E-09	3.05E-09	6.62E-09	1.96E-09	1.51E-09	3.48E-09	2.22E-08	1.76E-08	3.98E-08
1088	650495.25	4193892.33	2.17E-08	1.77E-08	3.94E-08	3.59E-09	3.07E-09	6.66E-09	1.98E-09	1.52E-09	3.50E-09	2.24E-08	1.78E-08	4.01E-08
1089	650509.33	4193872.41	2.19E-08	1.79E-08	3.97E-08	3.63E-09	3.10E-09	6.73E-09	2.00E-09	1.54E-09	3.53E-09	2.26E-08	1.79E-08	4.05E-08
1090	650523.41	4193852.48	2.21E-08	1.80E-08	4.01E-08	3.66E-09	3.13E-09	6.79E-09	2.02E-09	1.55E-09	3.57E-09	2.28E-08	1.81E-08	4.09E-08
1091	650537.49	4193832.56	2.23E-08	1.82E-08	4.05E-08	3.70E-09	3.16E-09	6.86E-09	2.04E-09	1.57E-09	3.60E-09	2.30E-08	1.83E-08	4.13E-08
1092	650551.57	4193812.64	2.25E-08	1.84E-08	4.08E-08	3.73E-09	3.19E-09	6.91E-09	2.05E-09	1.58E-09	3.63E-09	2.32E-08	1.84E-08	4.16E-08
1093	650565.65	4193792.71	2.26E-08	1.85E-08	4.11E-08	3.75E-09	3.20E-09	6.95E-09	2.06E-09	1.59E-09	3.65E-09	2.33E-08	1.85E-08	4.18E-08
1094	650579.73	4193772.79	2.27E-08	1.85E-08	4.12E-08	3.75E-09	3.21E-09	6.97E-09	2.07E-09	1.59E-09	3.66E-09	2.34E-08	1.86E-08	4.19E-08
1095	650593.81	4193752.86	2.26E-08	1.85E-08	4.11E-08	3.75E-09	3.21E-09	6.95E-09	2.06E-09	1.59E-09	3.65E-09	2.33E-08	1.85E-08	4.19E-08
1096	650607.89	4193732.94	2.25E-08	1.84E-08	4.08E-08	3.73E-09	3.19E-09	6.91E-09	2.05E-09	1.58E-09	3.63E-09	2.32E-08	1.84E-08	4.16E-08
1097	650621.97	4193713.02	2.22E-08	1.82E-08	4.04E-08	3.69E-09	3.15E-09	6.84E-09	2.03E-09	1.57E-09	3.59E-09	2.30E-08	1.82E-08	4.12E-08
1098	650636.05	4193693.09	2.19E-08	1.79E-08	3.98E-08	3.63E-09	3.11E-09	6.74E-09	2.00E-09	1.54E-09	3.54E-09	2.26E-08	1.79E-08	4.06E-08
1099	650673.25	4193665.4	2.12E-08	1.73E-08	3.86E-08	3.52E-09	3.01E-09	6.53E-09	1.94E-09	1.49E-09	3.43E-09	2.19E-08	1.74E-08	3.93E-08
1100	650696.38	4193657.63	2.09E-08	1.71E-08	3.79E-08	3.46E-09	2.96E-09	6.42E-09	1.91E-09	1.47E-09	3.38E-09	2.16E-08	1.71E-08	3.87E-08
1101	650719.51	4193649.86	2.04E-08	1.67E-08	3.71E-08	3.39E-09	2.90E-09	6.28E-09	1.86E-09	1.44E-09	3.30E-09	2.11E-08	1.67E-08	3.78E-08
1102	650742.63	4193642.09	1.99E-08	1.62E-08	3.61E-08	3.30E-09	2.82E-09	6.12E-09	1.82E-09	1.40E-09	3.22E-09	2.05E-08	1.63E-08	3.68E-08

1103	650765.76	4193634.31	1.93E-08	1.58E-08	3.51E-08	3.20E-09	2.74E-09	5.94E-09	1.76E-09	1.36E-09	3.12E-09	1.99E-08	1.58E-08	3.58E-08
1104	650788.88	4193626.54	1.87E-08	1.53E-08	3.41E-08	3.11E-09	2.66E-09	5.77E-09	1.71E-09	1.32E-09	3.03E-09	1.94E-08	1.54E-08	3.47E-08
1105	650812.01	4193618.77	1.83E-08	1.49E-08	3.32E-08	3.03E-09	2.59E-09	5.62E-09	1.67E-09	1.29E-09	2.95E-09	1.89E-08	1.50E-08	3.38E-08
1106	650835.14	4193611	1.79E-08	1.47E-08	3.26E-08	2.97E-09	2.54E-09	5.52E-09	1.64E-09	1.26E-09	2.90E-09	1.85E-08	1.47E-08	3.32E-08
1107	650858.26	4193603.23	1.78E-08	1.46E-08	3.24E-08	2.95E-09	2.53E-09	5.48E-09	1.63E-09	1.25E-09	2.88E-09	1.84E-08	1.46E-08	3.30E-08
1108	650881.39	4193595.46	1.79E-08	1.47E-08	3.26E-08	2.97E-09	2.54E-09	5.52E-09	1.64E-09	1.26E-09	2.90E-09	1.85E-08	1.47E-08	3.32E-08
1109	650904.51	4193587.69	1.83E-08	1.50E-08	3.33E-08	3.04E-09	2.60E-09	5.64E-09	1.67E-09	1.29E-09	2.96E-09	1.89E-08	1.50E-08	3.39E-08
1110	650927.64	4193579.92	1.90E-08	1.55E-08	3.45E-08	3.15E-09	2.69E-09	5.84E-09	1.73E-09	1.34E-09	3.07E-09	1.96E-08	1.55E-08	3.51E-08
1111	650950.77	4193572.15	1.99E-08	1.62E-08	3.61E-08	3.29E-09	2.81E-09	6.10E-09	1.81E-09	1.40E-09	3.21E-09	2.05E-08	1.63E-08	3.67E-08
1112	650973.89	4193564.38	2.09E-08	1.71E-08	3.79E-08	3.46E-09	2.96E-09	6.42E-09	1.91E-09	1.47E-09	3.38E-09	2.16E-08	1.71E-08	3.87E-08
1113	650997.02	4193556.61	2.20E-08	1.80E-08	4.00E-08	3.65E-09	3.12E-09	6.77E-09	2.01E-09	1.55E-09	3.55E-09	2.27E-08	1.80E-08	4.07E-08
1114	651020.14	4193548.84	2.31E-08	1.89E-08	4.19E-08	3.83E-09	3.27E-09	7.10E-09	2.11E-09	1.62E-09	3.73E-09	2.38E-08	1.89E-08	4.27E-08
1115	651043.27	4193541.07	2.41E-08	1.97E-08	4.37E-08	3.99E-09	3.41E-09	7.40E-09	2.20E-09	1.69E-09	3.89E-09	2.48E-08	1.97E-08	4.46E-08
1116	651066.4	4193533.3	2.48E-08	2.03E-08	4.51E-08	4.12E-09	3.52E-09	7.64E-09	2.27E-09	1.75E-09	4.01E-09	2.56E-08	2.03E-08	4.60E-08
1117	651089.52	4193525.53	2.53E-08	2.07E-08	4.60E-08	4.20E-09	3.59E-09	7.79E-09	2.31E-09	1.78E-09	4.09E-09	2.61E-08	2.07E-08	4.69E-08
1118	651112.65	4193517.75	2.55E-08	2.08E-08	4.63E-08	4.23E-09	3.62E-09	7.85E-09	2.33E-09	1.80E-09	4.12E-09	2.63E-08	2.09E-08	4.72E-08
1119	651135.77	4193509.98	2.54E-08	2.08E-08	4.62E-08	4.21E-09	3.60E-09	7.82E-09	2.32E-09	1.79E-09	4.11E-09	2.62E-08	2.08E-08	4.71E-08
1120	651158.9	4193502.21	2.51E-08	2.05E-08	4.55E-08	4.15E-09	3.55E-09	7.71E-09	2.29E-09	1.76E-09	4.05E-09	2.59E-08	2.05E-08	4.64E-08
1121	651182.03	4193494.44	2.45E-08	2.00E-08	4.45E-08	4.06E-09	3.47E-09	7.53E-09	2.23E-09	1.72E-09	3.96E-09	2.53E-08	2.01E-08	4.53E-08
1122	651205.15	4193486.67	2.38E-08	1.94E-08	4.32E-08	3.94E-09	3.37E-09	7.32E-09	2.17E-09	1.67E-09	3.84E-09	2.46E-08	1.95E-08	4.40E-08
1123	651228.28	4193478.9	2.31E-08	1.88E-08	4.19E-08	3.82E-09	3.27E-09	7.10E-09	2.11E-09	1.62E-09	3.73E-09	2.38E-08	1.89E-08	4.27E-08
1124	651251.4	4193471.13	2.24E-08	1.83E-08	4.07E-08	3.72E-09	3.18E-09	6.89E-09	2.05E-09	1.58E-09	3.62E-09	2.31E-08	1.84E-08	4.15E-08
1125	651274.53	4193463.36	2.19E-08	1.79E-08	3.97E-08	3.63E-09	3.10E-09	6.73E-09	2.00E-09	1.54E-09	3.54E-09	2.26E-08	1.79E-08	4.05E-08
1126	650255.9	4194231.04	1.88E-08	1.53E-08	3.41E-08	3.12E-09	2.66E-09	5.78E-09	1.71E-09	1.32E-09	3.04E-09	1.94E-08	1.54E-08	3.48E-08
1127	650248.64	4194254.53	1.88E-08	1.53E-08	3.41E-08	3.11E-09	2.66E-09	5.78E-09	1.71E-09	1.32E-09	3.04E-09	1.94E-08	1.54E-08	3.48E-08
1128	650241.39	4194278.03	1.89E-08	1.54E-08	3.43E-08	3.13E-09	2.68E-09	5.81E-09	1.72E-09	1.33E-09	3.05E-09	1.95E-08	1.55E-08	3.50E-08
1129	650234.13	4194301.53	1.92E-08	1.56E-08	3.48E-08	3.17E-09	2.71E-09	5.89E-09	1.75E-09	1.35E-09	3.09E-09	1.98E-08	1.57E-08	3.55E-08
1130	650226.88	4194325.03	1.96E-08	1.60E-08	3.55E-08	3.24E-09	2.77E-09	6.02E-09	1.79E-09	1.38E-09	3.16E-09	2.02E-08	1.60E-08	3.62E-08
1131	650219.62	4194348.53	2.01E-08	1.64E-08	3.66E-08	3.34E-09	2.85E-09	6.19E-09	1.84E-09	1.42E-09	3.25E-09	2.08E-08	1.65E-08	3.73E-08
1132	650212.37	4194372.03	2.08E-08	1.70E-08	3.78E-08	3.45E-09	2.95E-09	6.40E-09	1.90E-09	1.46E-09	3.36E-09	2.15E-08	1.70E-08	3.85E-08
1133	650205.11	4194395.53	2.16E-08	1.76E-08	3.92E-08	3.58E-09	3.06E-09	6.64E-09	1.97E-09	1.52E-09	3.49E-09	2.23E-08	1.77E-08	4.00E-08
1134	650197.85	4194419.02	2.25E-08	1.84E-08	4.08E-08	3.72E-09	3.19E-09	6.91E-09	2.05E-09	1.58E-09	3.63E-09	2.32E-08	1.84E-08	4.16E-08
1135	650190.6	4194442.52	2.34E-08	1.91E-08	4.25E-08	3.88E-09	3.32E-09	7.20E-09	2.14E-09	1.65E-09	3.78E-09	2.42E-08	1.92E-08	4.33E-08
1136	650183.34	4194466.02	2.44E-08	1.99E-08	4.43E-08	4.04E-09	3.45E-09	7.49E-09	2.22E-09	1.71E-09	3.94E-09	2.51E-08	2.00E-08	4.51E-08
1137	650176.09	4194489.52	2.53E-08	2.07E-08	4.60E-08	4.20E-09	3.59E-09	7.79E-09	2.31E-09	1.78E-09	4.09E-09	2.61E-08	2.07E-08	4.69E-08
1138	650168.83	4194513.02	2.63E-08	2.15E-08	4.77E-08	4.35E-09	3.72E-09	8.08E-09	2.40E-09	1.85E-09	4.24E-09	2.71E-08	2.15E-08	4.86E-08
1139	650161.58	4194536.52	2.72E-08	2.22E-08	4.94E-08	4.50E-09	3.85E-09	8.36E-09	2.48E-09	1.91E-09	4.39E-09	2.80E-08	2.23E-08	5.03E-08
1140	650154.32	4194560.02	2.80E-08	2.29E-08	5.09E-08	4.65E-09	3.97E-09	8.62E-09	2.56E-09	1.97E-09	4.53E-09	2.89E-08	2.30E-08	5.19E-08
1141	650147.07	4194583.52	2.88E-08	2.35E-08	5.23E-08	4.78E-09	4.09E-09	8.86E-09	2.63E-09	2.03E-09	4.66E-09	2.97E-08	2.36E-08	5.33E-08
1142	650093.04	4194132.08	1.51E-08	1.24E-08	2.75E-08	2.51E-09	2.15E-09	4.66E-09	1.38E-09	1.07E-09	2.45E-09	1.56E-08	1.24E-08	2.80E-08
1143	650107.15	4194112.1	1.55E-08	1.26E-08	2.81E-08	2.57E-09	2.19E-09	4.76E-09	1.41E-09	1.09E-09	2.50E-09	1.60E-08	1.27E-08	2.87E-08
1144	650121.27	4194092.12	1.58E-08	1.29E-08	2.88E-08	2.63E-09	2.25E-09	4.87E-09	1.45E-09	1.11E-09	2.56E-09	1.64E-08	1.30E-08	2.93E-08
1145	650135.39	4194072.14	1.62E-08	1.33E-08	2.95E-08	2.69E-09	2.30E-09	4.99E-09	1.48E-09	1.14E-09	2.62E-09	1.67E-08	1.33E-08	3.00E-08
1146	650149.51	4194052.16	1.66E-08	1.35E-08	3.01E-08	2.75E-09	2.35E-09	5.10E-09	1.51E-09	1.17E-09	2.68E-09	1.71E-08	1.36E-08	3.07E-08
1147	650163.63	4194032.18	1.69E-08	1.38E-08	3.07E-08	2.80E-09	2.39E-09	5.20E-09	1.54E-09	1.19E-09	2.73E-09	1.74E-08	1.38E-08	3.13E-08
1148	650177.75	4194012.2	1.71E-08	1.40E-08	3.11E-08	2.84E-09	2.43E-09	5.27E-09	1.56E-09	1.21E-09	2.77E-09	1.77E-08	1.40E-08	3.17E-08
1149	650191.86	4193992.22	1.73E-08	1.41E-08	3.14E-08	2.86E-09	2.45E-09	5.32E-09	1.58E-09	1.22E-09	2.79E-09	1.78E-08	1.42E-08	3.20E-08
1150	650205.98	4193972.25	1.74E-08	1.42E-08	3.15E-08	2.88E-09	2.46E-09	5.34E-09	1.58E-09	1.22E-09	2.81E-09	1.79E-08	1.42E-08	3.21E-08
1151	650220.1	4193952.27	1.74E-08	1.42E-08	3.16E-08	2.88E-09	2.46E-09	5.34E-09	1.59E-09	1.22E-09	2.81E-09	1.79E-08	1.42E-08	3.22E-08
1152	650234.22	4193932.29	1.73E-08	1.42E-08	3.15E-08	2.87E-09	2.46E-09	5.33E-09	1.58E-09	1.22E-09	2.80E-09	1.79E-08	1.42E-08	3.21E-08
1153	650248.34	4193912.31	1.72E-08	1.41E-08	3.13E-08	2.86E-09	2.45E-09	5.30E-09	1.57E-09	1.21E-09	2.79E-09	1.78E-08	1.41E-08	3.19E-08
1154	650262.46	4193892.33	1.72E-08	1.40E-08	3.12E-08	2.85E-09	2.43E-09	5.28E-09	1.57E-09	1.21E-09	2.77E-09	1.77E-08	1.41E-08	3.18E-08
1155	650276.58	4193872.35	1.71E-08	1.40E-08	3.10E-08	2.83E-09	2.42E-09	5.25E-09	1.56E-09	1.20E-09	2.76E-09	1.76E-08	1.40E-08	3.16E-08
1156	650290.69	4193852.37	1.70E-08	1.39E-08	3.09E-08	2.82E-09	2.41E-09	5.24E-09	1.55E-09	1.20E-09	2.75E-09	1.76E-08	1.39E-08	3.15E-08
1157	650304.81	4193832.39	1.70E-08	1.39E-08	3.09E-08	2.82E-09	2.41E-09	5.23E-09	1.55E-09	1.20E-09	2.75E-09	1.75E-08	1.39E-08	3.15E-08
1158	650318.93	4193812.42	1.70E-08	1.39E-08	3.09E-08	2.82E-09	2.41E-09	5.24E-09	1.55E-09	1.20E-09	2.75E-09	1.76E-08	1.39E-08	3.15E-08
1159	650333.05	4193792.44	1.71E-08	1.40E-08	3.11E-08	2.83E-09	2.42E-09	5.26E-09	1.56E-09	1.20E-09	2.76E-09	1.77E-08	1.40E-08	3.17E-08
1160	650347.17	4193772.46	1.72E-08	1.41E-08	3.13E-08	2.85E-09	2.44E-09	5.29E-09	1.57E-09	1.21E-09	2.78E-09	1.78E-08	1.41E-08	3.19E-08
1161	650361.29	4193752.48	1.74E-08	1.42E-08	3.15E-08	2.88E-09	2.46E-09	5.34E-09	1.58E-09	1.22E-09	2.80E-09	1.79E-08	1.42E-08	3.21E-08
1162	650375.4	4193732.5	1.75E-08	1.43E-08	3.18E-08	2.91E-09	2.49E-09	5.39E-09	1.60E-09	1.23E-09	2.83E-09	1.81E-08	1.44E-08	3.25E-08
1163	650389.52	4193712.52	1.77E-08	1.45E-08	3.22E-08	2.93E-09	2.51E-09	5.44E-09	1.62E-09	1.25E-09	2.86E-09	1.83E-08	1.45E-08	3.28E-08
1164	650403.64	4193692.54	1.79E-08	1.46E-08	3.25E-08	2.96E-09	2.53E-09	5.49E-09	1.63E-09	1.26E-09	2.89E-09	1.84E-08	1.46E-08	3.31E-08
1165	650417.76	4193672.56	1.80E-08	1.47E-08	3.27E-08	2.98E-09	2.55E-09	5.54E-09	1.64E-09	1.27E-09	2.91E-09	1.86E-08	1.47E-08	3.33E-08
1166	650431.88	4193652.59	1.81E-08	1.48E-08	3.29E-08	3.00E-09	2.57E-09	5.57E-09	1.65E-09	1.28E-09	2.93E-09	1.87E-08	1.48E-08	3.35E-08
1167	650446	4193632.61	1.82E-08	1.49E-08	3.31E-08	3.02E-09	2.58E-09	5.60E-09	1.66E-09	1.28E-09	2.94E-09	1.88E-08	1.49E-08	3.37E-08
1168	650460.12	4193612.63	1.82E-08	1.49E-08	3.31E-08	3.02E-09	2.58E-09	5.61E-09	1.66E-09	1.28E-09	2.95E-09	1.88E-08	1.49E-08	3.37E-08
1169	650474.23	4193592.65	1.82E-08	1.49E-08	3.31E-08	3.02E-09	2.58E-09	5.60E-09	1.66E-09	1.28E-09	2.94E-09	1.88E-08	1.49E-08	3.37E-08
1170	650488.35	4193572.67	1.81E-08	1.48E-08	3.30E-08	3.01E-09	2.57E-09	5.58E-09	1.66E-09	1.28E-09	2.93E-09	1.87E-08	1.49E-08	3.36E-08
1171	650502.47	4193552.69	1.80E-08	1.47E-08	3.27E-08	2.98E-09	2.55E-09	5.54E-09	1.64E-09	1.27E-09	2.91E-09	1.86E-08	1.47E-08	3.33E-08
1172	650516.59	4193532.71	1.78E-08	1.45E-08	3.23E-08	2.95E-09	2.52E-09	5.47E-09	1.62E-09	1.25E-09	2.87E-09	1.84E-08	1.46E-08	3.29E-08
1173	650553.9	4193504.94	1.73E-08	1.42E-08	3.15E-08	2.87E-09	2.46E-09	5.33E-09	1.58E-09	1.22E-09	2.80E-09	1.79E-08	1.42E-08	3.21E-08
1174	650577.09	4193497.15	1.71E-08	1.40E-08	3.11E-08	2.83E-09	2.42E-09	5.26E-09	1.56E-09	1.20E-09	2.76E-09	1.76E-08	1.40E-08	3.16E-08
1175	650600.28	4193489.36	1.67E-08	1.37E-08	3.04E-08	2.78E-09	2.37E-09	5.15E-09	1.53E-09	1.18E-09	2.71E-09	1.73E-08	1.37E-08	3.10E-08
1176	650623.47	4193481.57	1.63E-08	1.33E-08	2.97E-08	2.71E-09	2.31E-09	5.02E-09	1.49E-09	1.15E-09	2.64E-09	1.69E-08	1.34E-08	3.02E-08
1177	650646.66	4193473.77	1.58E-08	1.29E-08	2.88E-08	2.63E-09	2.25E-09	4.87E-09	1.45E-09	1.11E-09	2.56E-09	1.64E-08	1.30E-08	2.93E-08
1178	650669.85	4193465.98	1.53E-08	1.25E-08	2.79E-08	2.54E-09	2.18E-09	4.72E-09	1.40E-09	1.08E-09	2.48E-09	1.58E-08	1.26E-08	2.84E-08
1179	650693.04	4193458.19	1.49E-08	1.21E-08	2.70E-08	2.46E-09	2.11E-09	4.57E-09	1.36E-09	1.05E-09	2.40E-09	1.53E-08	1.22E-08	2.75E-08
1180	650716.22	4193450.4	1.44E-08	1.18E-08	2.62E-08	2.39E-09	2.04E-09	4.43E-09	1.32E-09	1.01E-09	2.33E-09	1.49E-08	1.18E-08	2.67E-08
1181	650739.41	4193442.61	1.41E-08	1.15E-08	2.56E-08	2.33E-09	2.00E-09	4.33E-09	1.28E-09	9.91E-10	2.28E-09	1.45E-08	1.15E-08	2.61E-08

1182	650762.6	4193434.81	1.39E-08	1.13E-08	2.52E-08	2.30E-09	1.97E-09	4.27E-09	1.27E-09	9.77E-10	2.24E-09	1.43E-08	1.14E-08	2.57E-08
1183	650785.79	4193427.02	1.39E-08	1.13E-08	2.52E-08	2.30E-09	1.97E-09	4.26E-09	1.26E-09	9.75E-10	2.24E-09	1.43E-08	1.14E-08	2.57E-08
1184	650808.98	4193419.23	1.40E-08	1.15E-08	2.55E-08	2.33E-09	1.99E-09	4.32E-09	1.28E-09	9.88E-10	2.27E-09	1.45E-08	1.15E-08	2.60E-08
1185	650832.17	4193411.44	1.44E-08	1.18E-08	2.62E-08	2.39E-09	2.05E-09	4.44E-09	1.32E-09	1.02E-09	2.33E-09	1.49E-08	1.18E-08	2.67E-08
1186	650855.36	4193403.65	1.50E-08	1.23E-08	2.73E-08	2.49E-09	2.13E-09	4.62E-09	1.37E-09	1.06E-09	2.43E-09	1.55E-08	1.23E-08	2.78E-08
1187	650878.55	4193395.85	1.58E-08	1.29E-08	2.86E-08	2.61E-09	2.23E-09	4.85E-09	1.44E-09	1.11E-09	2.55E-09	1.63E-08	1.29E-08	2.92E-08
1188	650901.74	4193388.06	1.67E-08	1.36E-08	3.03E-08	2.76E-09	2.36E-09	5.12E-09	1.52E-09	1.17E-09	2.69E-09	1.72E-08	1.37E-08	3.09E-08
1189	650924.93	4193380.27	1.76E-08	1.44E-08	3.20E-08	2.92E-09	2.50E-09	5.42E-09	1.61E-09	1.24E-09	2.85E-09	1.82E-08	1.44E-08	3.27E-08
1190	650948.12	4193372.48	1.86E-08	1.52E-08	3.38E-08	3.09E-09	2.64E-09	5.72E-09	1.70E-09	1.31E-09	3.01E-09	1.92E-08	1.52E-08	3.45E-08
1191	650971.31	4193364.69	1.95E-08	1.60E-08	3.55E-08	3.24E-09	2.77E-09	6.01E-09	1.78E-09	1.37E-09	3.16E-09	2.02E-08	1.60E-08	3.62E-08
1192	650994.5	4193356.89	2.03E-08	1.66E-08	3.69E-08	3.37E-09	2.88E-09	6.25E-09	1.85E-09	1.43E-09	3.28E-09	2.10E-08	1.66E-08	3.76E-08
1193	651017.69	4193349.1	2.09E-08	1.71E-08	3.80E-08	3.46E-09	2.96E-09	6.43E-09	1.91E-09	1.47E-09	3.38E-09	2.16E-08	1.71E-08	3.87E-08
1194	651040.88	4193341.31	2.13E-08	1.74E-08	3.86E-08	3.52E-09	3.01E-09	6.54E-09	1.94E-09	1.50E-09	3.43E-09	2.19E-08	1.74E-08	3.93E-08
1195	651064.07	4193333.52	2.14E-08	1.74E-08	3.88E-08	3.54E-09	3.03E-09	6.57E-09	1.95E-09	1.50E-09	3.45E-09	2.20E-08	1.75E-08	3.95E-08
1196	651087.26	4193325.73	2.12E-08	1.73E-08	3.86E-08	3.52E-09	3.01E-09	6.53E-09	1.94E-09	1.49E-09	3.43E-09	2.19E-08	1.74E-08	3.93E-08
1197	651110.45	4193317.93	2.09E-08	1.70E-08	3.79E-08	3.46E-09	2.96E-09	6.42E-09	1.90E-09	1.47E-09	3.37E-09	2.15E-08	1.71E-08	3.86E-08
1198	651133.64	4193310.14	2.03E-08	1.66E-08	3.70E-08	3.37E-09	2.88E-09	6.26E-09	1.86E-09	1.43E-09	3.29E-09	2.10E-08	1.67E-08	3.77E-08
1199	651156.83	4193302.35	1.97E-08	1.61E-08	3.58E-08	3.26E-09	2.79E-09	6.06E-09	1.80E-09	1.39E-09	3.18E-09	2.03E-08	1.61E-08	3.65E-08
1200	651180.02	4193294.56	1.90E-08	1.55E-08	3.45E-08	3.15E-09	2.69E-09	5.84E-09	1.73E-09	1.34E-09	3.07E-09	1.96E-08	1.56E-08	3.52E-08
1201	651203.21	4193286.76	1.83E-08	1.50E-08	3.33E-08	3.04E-09	2.60E-09	5.63E-09	1.67E-09	1.29E-09	2.96E-09	1.89E-08	1.50E-08	3.39E-08
1202	651226.4	4193278.97	1.77E-08	1.45E-08	3.21E-08	2.93E-09	2.51E-09	5.44E-09	1.61E-09	1.24E-09	2.86E-09	1.83E-08	1.45E-08	3.28E-08
1203	651249.59	4193271.18	1.72E-08	1.40E-08	3.12E-08	2.85E-09	2.43E-09	5.28E-09	1.57E-09	1.21E-09	2.78E-09	1.77E-08	1.41E-08	3.18E-08
1204	651272.78	4193263.39	1.68E-08	1.37E-08	3.05E-08	2.78E-09	2.38E-09	5.17E-09	1.53E-09	1.18E-09	2.72E-09	1.73E-08	1.38E-08	3.11E-08
1205	650064.8	4194172.03	1.47E-08	1.20E-08	2.67E-08	2.43E-09	2.08E-09	4.52E-09	1.34E-09	1.03E-09	2.37E-09	1.52E-08	1.20E-08	2.72E-08
1206	650057.54	4194195.53	1.47E-08	1.20E-08	2.67E-08	2.44E-09	2.09E-09	4.53E-09	1.34E-09	1.04E-09	2.38E-09	1.52E-08	1.21E-08	2.72E-08
1207	650050.29	4194219.03	1.49E-08	1.21E-08	2.70E-08	2.46E-09	2.11E-09	4.57E-09	1.36E-09	1.05E-09	2.40E-09	1.53E-08	1.22E-08	2.75E-08
1208	650043.03	4194242.53	1.51E-08	1.23E-08	2.74E-08	2.50E-09	2.14E-09	4.65E-09	1.38E-09	1.06E-09	2.44E-09	1.56E-08	1.24E-08	2.80E-08
1209	650035.78	4194266.03	1.54E-08	1.26E-08	2.81E-08	2.56E-09	2.19E-09	4.75E-09	1.41E-09	1.09E-09	2.50E-09	1.59E-08	1.27E-08	2.86E-08
1210	650028.52	4194289.53	1.59E-08	1.30E-08	2.89E-08	2.63E-09	2.25E-09	4.88E-09	1.45E-09	1.12E-09	2.57E-09	1.64E-08	1.30E-08	2.94E-08
1211	650021.27	4194313.02	1.64E-08	1.34E-08	2.98E-08	2.72E-09	2.32E-09	5.04E-09	1.49E-09	1.15E-09	2.65E-09	1.69E-08	1.34E-08	3.03E-08
1212	650014.01	4194336.52	1.70E-08	1.38E-08	3.08E-08	2.81E-09	2.40E-09	5.21E-09	1.55E-09	1.19E-09	2.74E-09	1.75E-08	1.39E-08	3.14E-08
1213	650006.76	4194360.02	1.76E-08	1.43E-08	3.19E-08	2.91E-09	2.49E-09	5.40E-09	1.60E-09	1.24E-09	2.84E-09	1.81E-08	1.44E-08	3.25E-08
1214	649999.5	4194383.52	1.82E-08	1.49E-08	3.31E-08	3.02E-09	2.58E-09	5.60E-09	1.66E-09	1.28E-09	2.94E-09	1.88E-08	1.49E-08	3.37E-08
1215	649992.25	4194407.02	1.89E-08	1.54E-08	3.43E-08	3.13E-09	2.68E-09	5.81E-09	1.72E-09	1.33E-09	3.05E-09	1.95E-08	1.55E-08	3.49E-08
1216	649984.99	4194430.52	1.96E-08	1.60E-08	3.55E-08	3.24E-09	2.77E-09	6.01E-09	1.78E-09	1.38E-09	3.16E-09	2.02E-08	1.60E-08	3.62E-08
1217	649977.73	4194454.02	2.02E-08	1.65E-08	3.67E-08	3.35E-09	2.87E-09	6.22E-09	1.84E-09	1.42E-09	3.27E-09	2.09E-08	1.66E-08	3.74E-08
1218	649970.48	4194477.52	2.09E-08	1.71E-08	3.79E-08	3.46E-09	2.96E-09	6.42E-09	1.90E-09	1.47E-09	3.37E-09	2.15E-08	1.71E-08	3.87E-08
1219	649963.22	4194501.01	2.15E-08	1.76E-08	3.91E-08	3.57E-09	3.05E-09	6.62E-09	1.96E-09	1.51E-09	3.48E-09	2.22E-08	1.76E-08	3.98E-08
1220	649955.97	4194524.51	2.21E-08	1.81E-08	4.02E-08	3.67E-09	3.14E-09	6.80E-09	2.02E-09	1.56E-09	3.58E-09	2.28E-08	1.81E-08	4.10E-08
1221	649887.85	4194093.01	1.21E-08	9.84E-09	2.19E-08	2.00E-09	1.71E-09	3.71E-09	1.10E-09	8.48E-10	1.95E-09	1.24E-08	9.87E-09	2.23E-08
1222	649901.99	4194072.99	1.22E-08	9.97E-09	2.22E-08	2.02E-09	1.73E-09	3.75E-09	1.11E-09	8.59E-10	1.97E-09	1.26E-08	1.00E-08	2.26E-08
1223	649916.14	4194052.97	1.24E-08	1.02E-08	2.26E-08	2.06E-09	1.76E-09	3.82E-09	1.13E-09	8.75E-10	2.01E-09	1.28E-08	1.02E-08	2.30E-08
1224	649930.29	4194032.95	1.27E-08	1.04E-08	2.31E-08	2.11E-09	1.80E-09	3.91E-09	1.16E-09	8.95E-10	2.06E-09	1.31E-08	1.04E-08	2.36E-08
1225	649944.44	4194012.93	1.30E-08	1.07E-08	2.37E-08	2.16E-09	1.85E-09	4.01E-09	1.19E-09	9.18E-10	2.11E-09	1.35E-08	1.07E-08	2.41E-08
1226	649958.58	4193992.92	1.34E-08	1.09E-08	2.43E-08	2.22E-09	1.90E-09	4.11E-09	1.22E-09	9.41E-10	2.16E-09	1.38E-08	1.10E-08	2.48E-08
1227	649972.73	4193972.9	1.37E-08	1.12E-08	2.49E-08	2.27E-09	1.94E-09	4.22E-09	1.25E-09	9.65E-10	2.22E-09	1.42E-08	1.12E-08	2.54E-08
1228	649986.88	4193952.88	1.40E-08	1.15E-08	2.55E-08	2.32E-09	1.99E-09	4.31E-09	1.28E-09	9.87E-10	2.27E-09	1.45E-08	1.15E-08	2.60E-08
1229	650001.02	4193932.86	1.43E-08	1.17E-08	2.59E-08	2.37E-09	2.02E-09	4.39E-09	1.30E-09	1.00E-09	2.31E-09	1.47E-08	1.17E-08	2.64E-08
1230	650015.17	4193912.84	1.45E-08	1.18E-08	2.63E-08	2.40E-09	2.05E-09	4.44E-09	1.32E-09	1.02E-09	2.34E-09	1.49E-08	1.18E-08	2.68E-08
1231	650029.32	4193892.82	1.46E-08	1.19E-08	2.64E-08	2.41E-09	2.06E-09	4.48E-09	1.33E-09	1.02E-09	2.35E-09	1.50E-08	1.19E-08	2.69E-08
1232	650043.46	4193872.8	1.46E-08	1.19E-08	2.65E-08	2.42E-09	2.07E-09	4.48E-09	1.33E-09	1.03E-09	2.36E-09	1.50E-08	1.19E-08	2.70E-08
1233	650057.61	4193852.78	1.45E-08	1.19E-08	2.64E-08	2.41E-09	2.06E-09	4.47E-09	1.33E-09	1.02E-09	2.35E-09	1.50E-08	1.19E-08	2.69E-08
1234	650071.76	4193832.76	1.45E-08	1.18E-08	2.63E-08	2.40E-09	2.05E-09	4.44E-09	1.32E-09	1.02E-09	2.34E-09	1.49E-08	1.18E-08	2.68E-08
1235	650085.91	4193812.74	1.43E-08	1.17E-08	2.60E-08	2.38E-09	2.03E-09	4.41E-09	1.31E-09	1.01E-09	2.32E-09	1.48E-08	1.17E-08	2.65E-08
1236	650100.05	4193792.72	1.42E-08	1.16E-08	2.58E-08	2.36E-09	2.01E-09	4.37E-09	1.30E-09	1.00E-09	2.30E-09	1.47E-08	1.16E-08	2.63E-08
1237	650114.2	4193772.7	1.41E-08	1.15E-08	2.56E-08	2.34E-09	2.00E-09	4.33E-09	1.29E-09	9.91E-10	2.28E-09	1.45E-08	1.15E-08	2.61E-08
1238	650128.35	4193752.69	1.40E-08	1.14E-08	2.54E-08	2.32E-09	1.99E-09	4.31E-09	1.28E-09	9.86E-10	2.26E-09	1.45E-08	1.15E-08	2.59E-08
1239	650142.49	4193732.67	1.40E-08	1.14E-08	2.54E-08	2.31E-09	1.98E-09	4.29E-09	1.27E-09	9.82E-10	2.26E-09	1.44E-08	1.14E-08	2.58E-08
1240	650156.64	4193712.65	1.40E-08	1.14E-08	2.54E-08	2.31E-09	1.98E-09	4.29E-09	1.27E-09	9.82E-10	2.26E-09	1.44E-08	1.14E-08	2.58E-08
1241	650170.79	4193692.63	1.40E-08	1.14E-08	2.54E-08	2.32E-09	1.98E-09	4.30E-09	1.28E-09	9.85E-10	2.26E-09	1.44E-08	1.15E-08	2.59E-08
1242	650184.93	4193672.61	1.41E-08	1.15E-08	2.56E-08	2.33E-09	1.99E-09	4.33E-09	1.28E-09	9.90E-10	2.27E-09	1.45E-08	1.15E-08	2.60E-08
1243	650199.08	4193652.59	1.42E-08	1.16E-08	2.57E-08	2.35E-09	2.01E-09	4.36E-09	1.29E-09	9.97E-10	2.29E-09	1.46E-08	1.16E-08	2.62E-08
1244	650213.23	4193632.57	1.43E-08	1.17E-08	2.59E-08	2.37E-09	2.02E-09	4.39E-09	1.30E-09	1.00E-09	2.31E-09	1.47E-08	1.17E-08	2.64E-08
1245	650227.38	4193612.55	1.44E-08	1.18E-08	2.62E-08	2.39E-09	2.04E-09	4.43E-09	1.31E-09	1.01E-09	2.33E-09	1.49E-08	1.18E-08	2.67E-08
1246	650241.52	4193592.53	1.45E-08	1.19E-08	2.64E-08	2.41E-09	2.06E-09	4.47E-09	1.33E-09	1.02E-09	2.35E-09	1.50E-08	1.19E-08	2.69E-08
1247	650255.67	4193572.51	1.46E-08	1.20E-08	2.66E-08	2.43E-09	2.08E-09	4.50E-09	1.34E-09	1.03E-09	2.37E-09	1.51E-08	1.20E-08	2.71E-08
1248	650269.82	4193552.49	1.48E-08	1.20E-08	2.68E-08	2.45E-09	2.09E-09	4.54E-09	1.35E-09	1.04E-09	2.38E-09	1.52E-08	1.21E-08	2.73E-08
1249	650283.96	4193532.47	1.49E-08	1.21E-08	2.70E-08	2.46E-09	2.11E-09	4.57E-09	1.36E-09	1.05E-09	2.40E-09	1.53E-08	1.22E-08	2.75E-08
1250	650298.11	4193512.46	1.49E-08	1.22E-08	2.71E-08	2.48E-09	2.12E-09	4.59E-09	1.36E-09	1.05E-09	2.41E-09	1.54E-08	1.22E-08	2.76E-08
1251	650312.26	4193492.44	1.50E-08	1.23E-08	2.73E-08	2.49E-09	2.13E-09	4.62E-09	1.37E-09	1.06E-09	2.43E-09	1.55E-08	1.23E-08	2.78E-08
1252	650326.4	4193472.42	1.51E-08	1.23E-08	2.74E-08	2.50E-09	2.14E-09	4.64E-09	1.38E-09	1.06E-09	2.44E-09	1.56E-08	1.24E-08	2.79E-08
1253	650340.55	4193452.4	1.51E-08	1.24E-08	2.75E-08	2.51E-09	2.14E-09	4.65E-09	1.38E-09	1.06E-09	2.44E-09	1.56E-08	1.24E-08	2.80E-08
1254	650354.7	4193432.38	1.51E-08	1.24E-08	2.75E-08	2.51E-09	2.15E-09	4.65E-09	1.38E-09	1.06E-09	2.45E-09	1.56E-08	1.24E-08	2.80E-08
1255	650368.85	4193412.36	1.51E-08	1.23E-08	2.74E-08	2.50E-09	2.14E-09	4.65E-09	1.38E-09	1.06E-09	2.44E-09	1.56E-08	1.24E-08	2.80E-08
1256	650382.99	4193392.34	1.50E-08	1.23E-08	2.73E-08	2.49E-09	2.13E-09	4.62E-09	1.37E-09	1.06E-09	2.43E-09	1.55E-08	1.23E-08	2.78E-08
1257	650397.14	4193372.32	1.49E-08	1.22E-08	2.70E-08	2.47E-09	2.11E-09	4.58E-09	1.36E-09	1.05E-09	2.40E-09	1.54E-08	1.22E-08	2.75E-08
1258	650434.52	4193344.49	1.46E-08	1.19E-08	2.65E-08	2.42E-09	2.07E-09	4.48E-09	1.33E-09	1.03E-09	2.35E-09	1.50E-08	1.19E-08	2.70E-08
1259	650457.76	4193336.69	1.44E-08	1.18E-08	2.62E-08	2.39E-09	2.04E-09	4.43E-09	1.31E-09	1.01E-09	2.33E-09	1.49E-08	1.18E-08	2.67E-08
1260	650481	4193328.88	1.41E-08	1.16E-08	2.57E-08	2.34E-09	2.01E-09	4.35E-09	1.29E-09	9.95E-10	2.29E-09	1.46E-08	1.16E-08	2.62E-08

1261	650504.23	4193321.07	1.38E-08	1.13E-08	2.51E-08	2.29E-09	1.96E-09	4.25E-09	1.26E-09	9.73E-10	2.23E-09	1.43E-08	1.13E-08	2.56E-08
1262	650527.47	4193313.26	1.35E-08	1.10E-08	2.44E-08	2.23E-09	1.91E-09	4.14E-09	1.23E-09	9.47E-10	2.17E-09	1.39E-08	1.10E-08	2.49E-08
1263	650550.71	4193305.45	1.30E-08	1.07E-08	2.37E-08	2.16E-09	1.85E-09	4.01E-09	1.19E-09	9.18E-10	2.11E-09	1.35E-08	1.07E-08	2.41E-08
1264	650573.94	4193297.65	1.26E-08	1.03E-08	2.29E-08	2.09E-09	1.79E-09	3.88E-09	1.15E-09	8.88E-10	2.04E-09	1.30E-08	1.03E-08	2.34E-08
1265	650597.18	4193289.84	1.22E-08	9.97E-09	2.22E-08	2.02E-09	1.73E-09	3.75E-09	1.11E-09	8.59E-10	1.97E-09	1.26E-08	1.00E-08	2.26E-08
1266	650620.42	4193282.03	1.18E-08	9.66E-09	2.15E-08	1.96E-09	1.68E-09	3.64E-09	1.08E-09	8.32E-10	1.91E-09	1.22E-08	9.68E-09	2.19E-08
1267	650643.65	4193274.22	1.15E-08	9.40E-09	2.09E-08	1.91E-09	1.63E-09	3.54E-09	1.05E-09	8.09E-10	1.86E-09	1.19E-08	9.42E-09	2.13E-08
1268	650666.89	4193266.42	1.13E-08	9.21E-09	2.05E-08	1.87E-09	1.60E-09	3.47E-09	1.03E-09	7.93E-10	1.82E-09	1.16E-08	9.24E-09	2.09E-08
1269	650690.13	4193258.61	1.12E-08	9.13E-09	2.03E-08	1.85E-09	1.58E-09	3.44E-09	1.02E-09	7.86E-10	1.81E-09	1.15E-08	9.16E-09	2.07E-08
1270	650713.36	4193250.8	1.12E-08	9.16E-09	2.04E-08	1.86E-09	1.59E-09	3.45E-09	1.02E-09	7.89E-10	1.81E-09	1.16E-08	9.19E-09	2.08E-08
1271	650736.6	4193242.99	1.14E-08	9.32E-09	2.07E-08	1.89E-09	1.62E-09	3.51E-09	1.04E-09	8.03E-10	1.84E-09	1.18E-08	9.35E-09	2.11E-08
1272	650759.84	4193235.18	1.18E-08	9.61E-09	2.14E-08	1.95E-09	1.67E-09	3.62E-09	1.07E-09	8.28E-10	1.90E-09	1.21E-08	9.64E-09	2.18E-08
1273	650783.07	4193227.38	1.23E-08	1.00E-08	2.23E-08	2.04E-09	1.74E-09	3.78E-09	1.12E-09	8.65E-10	1.99E-09	1.27E-08	1.01E-08	2.27E-08
1274	650806.31	4193219.57	1.30E-08	1.06E-08	2.35E-08	2.15E-09	1.84E-09	3.98E-09	1.18E-09	9.11E-10	2.09E-09	1.34E-08	1.06E-08	2.40E-08
1275	650829.55	4193211.76	1.37E-08	1.12E-08	2.49E-08	2.27E-09	1.94E-09	4.22E-09	1.25E-09	9.65E-10	2.22E-09	1.42E-08	1.12E-08	2.54E-08
1276	650852.78	4193203.95	1.46E-08	1.19E-08	2.65E-08	2.41E-09	2.06E-09	4.48E-09	1.33E-09	1.02E-09	2.35E-09	1.50E-08	1.19E-08	2.70E-08
1277	650876.02	4193196.14	1.54E-08	1.26E-08	2.80E-08	2.56E-09	2.19E-09	4.74E-09	1.41E-09	1.09E-09	2.49E-09	1.59E-08	1.26E-08	2.86E-08
1278	650899.26	4193188.34	1.63E-08	1.33E-08	2.95E-08	2.70E-09	2.31E-09	5.00E-09	1.48E-09	1.14E-09	2.63E-09	1.68E-08	1.33E-08	3.01E-08
1279	650922.49	4193180.53	1.70E-08	1.39E-08	3.09E-08	2.82E-09	2.41E-09	5.23E-09	1.55E-09	1.20E-09	2.75E-09	1.76E-08	1.39E-08	3.15E-08
1280	650945.73	4193172.72	1.76E-08	1.44E-08	3.21E-08	2.93E-09	2.50E-09	5.43E-09	1.61E-09	1.24E-09	2.85E-09	1.82E-08	1.45E-08	3.27E-08
1281	650968.97	4193164.91	1.81E-08	1.48E-08	3.29E-08	3.00E-09	2.57E-09	5.57E-09	1.65E-09	1.28E-09	2.93E-09	1.87E-08	1.48E-08	3.35E-08
1282	650992.2	4193157.11	1.84E-08	1.50E-08	3.34E-08	3.05E-09	2.61E-09	5.66E-09	1.68E-09	1.29E-09	2.97E-09	1.90E-08	1.51E-08	3.41E-08
1283	651015.44	4193149.3	1.84E-08	1.51E-08	3.35E-08	3.06E-09	2.62E-09	5.67E-09	1.68E-09	1.30E-09	2.98E-09	1.90E-08	1.51E-08	3.42E-08
1284	651038.68	4193141.49	1.83E-08	1.49E-08	3.32E-08	3.03E-09	2.59E-09	5.63E-09	1.67E-09	1.29E-09	2.96E-09	1.89E-08	1.50E-08	3.39E-08
1285	651061.91	4193133.68	1.80E-08	1.47E-08	3.26E-08	2.98E-09	2.55E-09	5.53E-09	1.64E-09	1.26E-09	2.90E-09	1.85E-08	1.47E-08	3.33E-08
1286	651085.15	4193125.87	1.75E-08	1.43E-08	3.18E-08	2.90E-09	2.48E-09	5.38E-09	1.60E-09	1.23E-09	2.83E-09	1.81E-08	1.43E-08	3.24E-08
1287	651108.39	4193118.07	1.69E-08	1.38E-08	3.07E-08	2.80E-09	2.40E-09	5.20E-09	1.54E-09	1.19E-09	2.73E-09	1.75E-08	1.39E-08	3.13E-08
1288	651131.62	4193110.26	1.63E-08	1.33E-08	2.95E-08	2.70E-09	2.31E-09	5.00E-09	1.48E-09	1.14E-09	2.63E-09	1.68E-08	1.33E-08	3.01E-08
1289	651154.86	4193102.45	1.56E-08	1.28E-08	2.84E-08	2.59E-09	2.21E-09	4.80E-09	1.42E-09	1.10E-09	2.52E-09	1.61E-08	1.28E-08	2.89E-08
1290	651178.1	4193094.64	1.50E-08	1.22E-08	2.72E-08	2.48E-09	2.13E-09	4.61E-09	1.37E-09	1.05E-09	2.42E-09	1.55E-08	1.23E-08	2.78E-08
1291	651201.33	4193086.83	1.44E-08	1.18E-08	2.62E-08	2.39E-09	2.05E-09	4.44E-09	1.32E-09	1.02E-09	2.33E-09	1.49E-08	1.18E-08	2.67E-08
1292	651224.57	4193079.03	1.40E-08	1.14E-08	2.54E-08	2.32E-09	1.98E-09	4.30E-09	1.28E-09	9.84E-10	2.26E-09	1.44E-08	1.15E-08	2.59E-08
1293	651247.81	4193071.22	1.36E-08	1.11E-08	2.48E-08	2.26E-09	1.93E-09	4.20E-09	1.24E-09	9.60E-10	2.20E-09	1.41E-08	1.12E-08	2.53E-08
1294	651271.04	4193063.41	1.34E-08	1.10E-08	2.44E-08	2.22E-09	1.90E-09	4.13E-09	1.22E-09	9.44E-10	2.17E-09	1.38E-08	1.10E-08	2.48E-08
1295	649873.7	4194113.03	1.20E-08	9.77E-09	2.17E-08	1.98E-09	1.70E-09	3.68E-09	1.09E-09	8.41E-10	1.93E-09	1.23E-08	9.80E-09	2.21E-08
1296	649866.44	4194136.53	1.20E-08	9.83E-09	2.19E-08	1.99E-09	1.71E-09	3.70E-09	1.10E-09	8.47E-10	1.94E-09	1.24E-08	9.86E-09	2.23E-08
1297	649851.93	4194183.53	1.24E-08	1.01E-08	2.26E-08	2.06E-09	1.76E-09	3.82E-09	1.13E-09	8.74E-10	2.01E-09	1.28E-08	1.02E-08	2.30E-08
1298	649844.68	4194207.02	1.27E-08	1.04E-08	2.31E-08	2.11E-09	1.80E-09	3.91E-09	1.16E-09	8.94E-10	2.05E-09	1.31E-08	1.04E-08	2.35E-08
1299	649837.42	4194230.52	1.31E-08	1.07E-08	2.37E-08	2.16E-09	1.85E-09	4.01E-09	1.19E-09	9.18E-10	2.11E-09	1.35E-08	1.07E-08	2.42E-08
1300	649830.17	4194254.02	1.34E-08	1.10E-08	2.44E-08	2.23E-09	1.91E-09	4.13E-09	1.23E-09	9.46E-10	2.17E-09	1.39E-08	1.10E-08	2.49E-08
1301	649822.91	4194277.52	1.39E-08	1.13E-08	2.52E-08	2.30E-09	1.97E-09	4.26E-09	1.26E-09	9.75E-10	2.24E-09	1.43E-08	1.14E-08	2.57E-08
1302	649815.66	4194301.02	1.43E-08	1.17E-08	2.60E-08	2.37E-09	2.03E-09	4.40E-09	1.30E-09	1.01E-09	2.31E-09	1.48E-08	1.17E-08	2.65E-08
1303	649808.4	4194324.52	1.48E-08	1.20E-08	2.68E-08	2.45E-09	2.09E-09	4.54E-09	1.35E-09	1.04E-09	2.38E-09	1.52E-08	1.21E-08	2.73E-08
1304	649801.15	4194348.02	1.52E-08	1.24E-08	2.77E-08	2.52E-09	2.16E-09	4.68E-09	1.39E-09	1.07E-09	2.46E-09	1.57E-08	1.25E-08	2.82E-08
1305	649793.89	4194371.52	1.57E-08	1.28E-08	2.85E-08	2.60E-09	2.23E-09	4.83E-09	1.43E-09	1.11E-09	2.54E-09	1.62E-08	1.29E-08	2.91E-08
1306	649786.64	4194395.01	1.62E-08	1.32E-08	2.94E-08	2.69E-09	2.30E-09	4.98E-09	1.48E-09	1.14E-09	2.62E-09	1.67E-08	1.33E-08	3.00E-08
1307	649779.38	4194418.51	1.67E-08	1.36E-08	3.03E-08	2.77E-09	2.37E-09	5.13E-09	1.52E-09	1.17E-09	2.70E-09	1.72E-08	1.37E-08	3.09E-08
1308	649772.13	4194442.01	1.72E-08	1.40E-08	3.12E-08	2.85E-09	2.43E-09	5.28E-09	1.57E-09	1.21E-09	2.77E-09	1.77E-08	1.41E-08	3.18E-08
1309	649764.87	4194465.51	1.76E-08	1.44E-08	3.20E-08	2.92E-09	2.50E-09	5.42E-09	1.61E-09	1.24E-09	2.85E-09	1.82E-08	1.44E-08	3.27E-08
1310	651022.44	4194930.66	3.63E-07	2.97E-07	6.60E-07	6.02E-08	5.15E-08	1.12E-07	3.31E-08	2.56E-08	5.87E-08	3.75E-07	2.97E-07	6.72E-07
1311	650998.68	4195042.99	3.04E-07	2.48E-07	5.52E-07	5.03E-08	4.30E-08	9.34E-08	2.77E-08	2.14E-08	4.91E-08	3.13E-07	2.49E-07	5.62E-07
1312	650990.79	4195001.25	3.01E-07	2.46E-07	5.47E-07	4.99E-08	4.27E-08	9.26E-08	2.75E-08	2.12E-08	4.87E-08	3.11E-07	2.47E-07	5.58E-07
1313	650982.9	4194959.51	2.95E-07	2.41E-07	5.35E-07	4.88E-08	4.18E-08	9.06E-08	2.69E-08	2.07E-08	4.76E-08	3.04E-07	2.41E-07	5.45E-07
1314	650975.01	4194917.76	2.83E-07	2.31E-07	5.14E-07	4.69E-08	4.01E-08	8.70E-08	2.58E-08	1.99E-08	4.57E-08	2.92E-07	2.32E-07	5.24E-07
1315	651161.19	4195181.31	2.89E-07	2.36E-07	5.26E-07	4.80E-08	4.10E-08	8.90E-08	2.64E-08	2.04E-08	4.68E-08	2.99E-07	2.37E-07	5.36E-07
1316	651003.06	4195112.29	2.84E-07	2.32E-07	5.17E-07	4.71E-08	4.03E-08	8.74E-08	2.59E-08	2.00E-08	4.59E-08	2.93E-07	2.33E-07	5.26E-07
1317	650959.52	4195073.84	2.51E-07	2.05E-07	4.57E-07	4.17E-08	3.56E-08	7.73E-08	2.29E-08	1.77E-08	4.06E-08	2.59E-07	2.06E-07	4.65E-07
1318	650951.51	4195031.45	2.49E-07	2.03E-07	4.52E-07	4.13E-08	3.53E-08	7.66E-08	2.27E-08	1.75E-08	4.02E-08	2.57E-07	2.04E-07	4.61E-07
1319	650943.5	4194989.07	2.44E-07	1.99E-07	4.43E-07	4.05E-08	3.46E-08	7.50E-08	2.23E-08	1.72E-08	3.94E-08	2.52E-07	2.00E-07	4.52E-07
1320	650935.49	4194946.68	2.37E-07	1.93E-07	4.30E-07	3.92E-08	3.35E-08	7.27E-08	2.16E-08	1.66E-08	3.82E-08	2.44E-07	1.94E-07	4.38E-07
1321	650927.48	4194904.3	2.26E-07	1.84E-07	4.10E-07	3.74E-08	3.20E-08	6.94E-08	2.06E-08	1.59E-08	3.65E-08	2.33E-07	1.85E-07	4.18E-07
1322	651167.49	4195280.52	1.78E-07	1.45E-07	3.23E-07	2.95E-08	2.52E-08	5.47E-08	1.62E-08	1.25E-08	2.88E-08	1.84E-07	1.46E-07	3.29E-07
1323	651127.18	4195262.93	2.09E-07	1.71E-07	3.80E-07	3.47E-08	2.96E-08	6.43E-08	1.91E-08	1.47E-08	3.38E-08	2.16E-07	1.71E-07	3.87E-07
1324	651006.26	4195210.15	2.37E-07	1.94E-07	4.31E-07	3.93E-08	3.36E-08	7.30E-08	2.17E-08	1.67E-08	3.84E-08	2.45E-07	1.94E-07	4.39E-07
1325	650881.25	4195135.76	1.82E-07	1.48E-07	3.30E-07	3.01E-08	2.57E-08	5.58E-08	1.66E-08	1.28E-08	2.93E-08	1.87E-07	1.49E-07	3.36E-07
1326	650873.08	4195092.54	1.80E-07	1.47E-07	3.26E-07	2.98E-08	2.55E-08	5.52E-08	1.64E-08	1.26E-08	2.90E-08	1.85E-07	1.47E-07	3.33E-07
1327	650864.91	4195049.32	1.76E-07	1.44E-07	3.20E-07	2.92E-08	2.50E-08	5.42E-08	1.61E-08	1.24E-08	2.85E-08	1.82E-07	1.44E-07	3.26E-07
1328	650856.75	4195006.11	1.72E-07	1.41E-07	3.13E-07	2.86E-08	2.44E-08	5.30E-08	1.57E-08	1.21E-08	2.79E-08	1.78E-07	1.41E-07	3.19E-07
1329	650848.58	4194962.89	1.68E-07	1.37E-07	3.05E-07	2.78E-08	2.38E-08	5.16E-08	1.53E-08	1.18E-08	2.71E-08	1.73E-07	1.37E-07	3.11E-07
1330	650840.41	4194919.67	1.61E-07	1.32E-07	2.93E-07	2.68E-08	2.29E-08	4.96E-08	1.47E-08	1.14E-08	2.61E-08	1.67E-07	1.32E-07	2.99E-07
1331	650824.08	4194833.24	1.45E-07	1.19E-07	2.64E-07	2.41E-08	2.06E-08	4.47E-08	1.33E-08	1.02E-08	2.35E-08	1.50E-07	1.19E-07	2.69E-07
1332	651092.66	4195344.32	1.59E-07	1.30E-07	2.89E-07	2.64E-08	2.25E-08	4.89E-08	1.45E-08	1.12E-08	2.57E-08	1.64E-07	1.30E-07	2.94E-07
1333	650970.29	4195290.91	1.86E-07	1.52E-07	3.38E-07	3.08E-08	2.64E-08	5.72E-08	1.70E-08	1.31E-08	3.00E-08	1.92E-07	1.52E-07	3.44E-07
1334	650929.5	4195273.11	1.78E-07	1.46E-07	3.24E-07	2.95E-08	2.53E-08	5.48E-08	1.63E-08	1.25E-08	2.88E-08	1.84E-07	1.46E-07	3.30E-07
1335	650888.71	4195255.31	1.66E-07	1.36E-07	3.02E-07	2.76E-08	2.36E-08	5.11E-08	1.52E-08	1.17E-08	2.69E-08	1.72E-07	1.36E-07	3.08E-07
1336	650847.92	4195237.5	1.52E-07	1.25E-07	2.77E-07	2.53E-08	2.16E-08	4.69E-08	1.39E-08	1.07E-08	2.46E-08	1.57E-07	1.25E-07	2.82E-07
1337	650803	4195197.83	1.38E-07	1.13E-07	2.51E-07	2.29E-08	1.96E-08	4.25E-08	1.26E-08	9.71E-09	2.23E-08	1.42E-07	1.13E-07	2.56E-07
1338	650794.74	4195154.1	1.37E-07	1.12E-07	2.48E-07	2.26E-08	1.94E-08	4.20E-08	1.25E-08	9.61E-09	2.21E-08	1.41E-07	1.12E-07	2.53E-07
1339	650786.47	4195110.37	1.34E-07	1.10E-07	2.44E-07	2.22E-08	1.90E-08	4.13E-08	1.22E-08	9.44E-09	2.17E-08	1.38E-07	1.10E-07	2.48E-07

1340	650778.21	4195066.64	1.32E-07	1.07E-07	2.39E-07	2.18E-08	1.86E-08	4.05E-08	1.20E-08	9.26E-09	2.13E-08	1.36E-07	1.08E-07	2.44E-07
1341	650769.95	4195022.91	1.29E-07	1.06E-07	2.35E-07	2.14E-08	1.83E-08	3.97E-08	1.18E-08	9.09E-09	2.09E-08	1.33E-07	1.06E-07	2.39E-07
1342	650761.68	4194979.18	1.27E-07	1.03E-07	2.30E-07	2.10E-08	1.79E-08	3.89E-08	1.15E-08	8.90E-09	2.04E-08	1.31E-07	1.04E-07	2.34E-07
1343	650753.42	4194935.45	1.23E-07	1.00E-07	2.23E-07	2.04E-08	1.74E-08	3.78E-08	1.12E-08	8.64E-09	1.98E-08	1.27E-07	1.01E-07	2.27E-07
1344	650745.16	4194891.72	1.18E-07	9.64E-08	2.14E-07	1.96E-08	1.67E-08	3.63E-08	1.08E-08	8.30E-09	1.91E-08	1.22E-07	9.67E-08	2.19E-07
1345	650736.89	4194847.99	1.12E-07	9.17E-08	2.04E-07	1.86E-08	1.59E-08	3.45E-08	1.02E-08	7.90E-09	1.81E-08	1.16E-07	9.20E-08	2.08E-07
1346	650728.63	4194804.25	1.05E-07	8.58E-08	1.91E-07	1.74E-08	1.49E-08	3.23E-08	9.59E-09	7.39E-09	1.70E-08	1.08E-07	8.61E-08	1.95E-07
1347	651281.05	4195403.22	7.73E-08	6.31E-08	1.40E-07	1.28E-08	1.10E-08	2.38E-08	7.05E-09	5.44E-09	1.25E-08	7.97E-08	6.33E-08	1.43E-07
1348	651303.87	4195401.51	7.40E-08	6.05E-08	1.34E-07	1.23E-08	1.05E-08	2.28E-08	6.75E-09	5.21E-09	1.20E-08	7.64E-08	6.06E-08	1.37E-07
1349	651463.58	4195389.56	6.77E-08	5.52E-08	1.23E-07	1.12E-08	9.59E-09	2.08E-08	6.17E-09	4.76E-09	1.09E-08	6.98E-08	5.54E-08	1.25E-07
1350	651486.4	4195387.86	6.84E-08	5.59E-08	1.24E-07	1.13E-08	9.70E-09	2.10E-08	6.24E-09	4.82E-09	1.11E-08	7.06E-08	5.61E-08	1.27E-07
1351	651222.32	4195497.38	6.48E-08	5.30E-08	1.18E-07	1.07E-08	9.19E-09	1.99E-08	5.92E-09	4.56E-09	1.05E-08	6.69E-08	5.31E-08	1.20E-07
1352	651181.21	4195479.44	7.57E-08	6.18E-08	1.38E-07	1.26E-08	1.07E-08	2.33E-08	6.91E-09	5.33E-09	1.22E-08	7.82E-08	6.20E-08	1.40E-07
1353	651098.98	4195443.55	1.08E-07	8.81E-08	1.96E-07	1.79E-08	1.53E-08	3.32E-08	9.84E-09	7.59E-09	1.74E-08	1.11E-07	8.84E-08	2.00E-07
1354	651057.86	4195425.6	1.26E-07	1.03E-07	2.28E-07	2.08E-08	1.78E-08	3.86E-08	1.15E-08	8.84E-09	2.03E-08	1.30E-07	1.03E-07	2.33E-07
1355	650934.52	4195371.76	1.50E-07	1.22E-07	2.72E-07	2.48E-08	2.12E-08	4.60E-08	1.36E-08	1.05E-08	2.42E-08	1.54E-07	1.23E-07	2.77E-07
1356	650893.4	4195353.82	1.46E-07	1.19E-07	2.65E-07	2.41E-08	2.06E-08	4.48E-08	1.33E-08	1.02E-08	2.35E-08	1.50E-07	1.19E-07	2.70E-07
1357	650852.29	4195335.87	1.38E-07	1.13E-07	2.51E-07	2.29E-08	1.96E-08	4.25E-08	1.26E-08	9.72E-09	2.23E-08	1.43E-07	1.13E-07	2.56E-07
1358	650811.17	4195317.93	1.29E-07	1.05E-07	2.34E-07	2.14E-08	1.83E-08	3.97E-08	1.18E-08	9.08E-09	2.08E-08	1.33E-07	1.06E-07	2.39E-07
1359	650770.05	4195299.98	1.19E-07	9.73E-08	2.17E-07	1.98E-08	1.69E-08	3.67E-08	1.09E-08	8.39E-09	1.93E-08	1.23E-07	9.76E-08	2.21E-07
1360	650724.77	4195259.99	1.09E-07	8.92E-08	1.98E-07	1.81E-08	1.55E-08	3.36E-08	9.96E-09	7.68E-09	1.76E-08	1.13E-07	8.94E-08	2.02E-07
1361	650716.44	4195215.91	1.08E-07	8.83E-08	1.96E-07	1.79E-08	1.53E-08	3.33E-08	9.87E-09	7.61E-09	1.75E-08	1.12E-07	8.86E-08	2.00E-07
1362	650708.11	4195171.83	1.06E-07	8.68E-08	1.93E-07	1.76E-08	1.51E-08	3.27E-08	9.70E-09	7.48E-09	1.72E-08	1.10E-07	8.70E-08	1.97E-07
1363	650699.78	4195127.75	1.04E-07	8.51E-08	1.89E-07	1.73E-08	1.48E-08	3.20E-08	9.50E-09	7.33E-09	1.68E-08	1.08E-07	8.53E-08	1.93E-07
1364	650695.62	4195105.71	1.03E-07	8.43E-08	1.88E-07	1.71E-08	1.46E-08	3.18E-08	9.42E-09	7.27E-09	1.67E-08	1.07E-07	8.46E-08	1.91E-07
1365	650687.29	4195061.63	1.02E-07	8.32E-08	1.85E-07	1.69E-08	1.44E-08	3.13E-08	9.29E-09	7.17E-09	1.65E-08	1.05E-07	8.34E-08	1.89E-07
1366	650678.96	4195017.55	1.01E-07	8.23E-08	1.83E-07	1.67E-08	1.43E-08	3.10E-08	9.19E-09	7.09E-09	1.63E-08	1.04E-07	8.25E-08	1.86E-07
1367	650670.63	4194973.47	9.89E-08	8.08E-08	1.80E-07	1.64E-08	1.40E-08	3.04E-08	9.02E-09	6.96E-09	1.60E-08	1.02E-07	8.10E-08	1.83E-07
1368	650662.3	4194929.39	9.60E-08	7.84E-08	1.74E-07	1.59E-08	1.36E-08	2.95E-08	8.76E-09	6.76E-09	1.55E-08	9.91E-08	7.87E-08	1.78E-07
1369	650653.97	4194885.31	9.23E-08	7.53E-08	1.68E-07	1.53E-08	1.31E-08	2.84E-08	8.42E-09	6.49E-09	1.49E-08	9.52E-08	7.56E-08	1.71E-07
1370	650645.64	4194841.22	8.76E-08	7.15E-08	1.59E-07	1.45E-08	1.24E-08	2.69E-08	7.99E-09	6.16E-09	1.42E-08	9.04E-08	7.17E-08	1.62E-07
1371	650637.31	4194797.14	8.20E-08	6.70E-08	1.49E-07	1.36E-08	1.16E-08	2.52E-08	7.48E-09	5.77E-09	1.33E-08	8.47E-08	6.72E-08	1.52E-07
1372	651265.7	4195504.65	5.83E-08	4.76E-08	1.06E-07	9.66E-09	8.27E-09	1.79E-08	5.32E-09	4.10E-09	9.42E-09	6.02E-08	4.78E-08	1.08E-07
1373	651288.51	4195502.94	5.63E-08	4.60E-08	1.02E-07	9.33E-09	7.98E-09	1.73E-08	5.14E-09	3.96E-09	9.10E-09	5.81E-08	4.61E-08	1.04E-07
1374	651311.33	4195501.24	5.45E-08	4.45E-08	9.91E-08	9.04E-09	7.73E-09	1.68E-08	4.97E-09	3.84E-09	8.81E-09	5.63E-08	4.47E-08	1.01E-07
1375	651334.15	4195499.53	5.30E-08	4.33E-08	9.62E-08	8.78E-09	7.51E-09	1.63E-08	4.83E-09	3.73E-09	8.56E-09	5.47E-08	4.34E-08	9.81E-08
1376	651356.96	4195497.82	5.17E-08	4.22E-08	9.40E-08	8.57E-09	7.33E-09	1.59E-08	4.72E-09	3.64E-09	8.36E-09	5.34E-08	4.24E-08	9.58E-08
1377	651379.78	4195496.11	5.08E-08	4.15E-08	9.23E-08	8.42E-09	7.20E-09	1.56E-08	4.63E-09	3.57E-09	8.21E-09	5.24E-08	4.16E-08	9.40E-08
1378	651402.6	4195494.41	5.03E-08	4.10E-08	9.13E-08	8.33E-09	7.13E-09	1.55E-08	4.59E-09	3.54E-09	8.12E-09	5.19E-08	4.12E-08	9.30E-08
1379	651425.41	4195492.7	5.02E-08	4.10E-08	9.12E-08	8.32E-09	7.12E-09	1.54E-08	4.58E-09	3.53E-09	8.11E-09	5.18E-08	4.11E-08	9.29E-08
1380	651448.23	4195490.99	5.06E-08	4.13E-08	9.19E-08	8.38E-09	7.17E-09	1.55E-08	4.61E-09	3.56E-09	8.17E-09	5.22E-08	4.14E-08	9.36E-08
1381	651471.04	4195489.28	5.13E-08	4.19E-08	9.32E-08	8.51E-09	7.28E-09	1.58E-08	4.68E-09	3.61E-09	8.29E-09	5.30E-08	4.20E-08	9.50E-08
1382	651493.86	4195487.58	5.23E-08	4.27E-08	9.50E-08	8.67E-09	7.42E-09	1.61E-08	4.77E-09	3.68E-09	8.45E-09	5.40E-08	4.28E-08	9.68E-08
1383	651229.67	4195597.05	4.85E-08	3.96E-08	8.82E-08	8.05E-09	6.88E-09	1.49E-08	4.43E-09	3.42E-09	7.85E-09	5.01E-08	3.98E-08	8.99E-08
1384	651208.99	4195588.03	5.13E-08	4.19E-08	9.32E-08	8.51E-09	7.28E-09	1.58E-08	4.68E-09	3.61E-09	8.29E-09	5.30E-08	4.20E-08	9.50E-08
1385	651188.32	4195579.01	5.46E-08	4.46E-08	9.91E-08	9.05E-09	7.74E-09	1.68E-08	4.98E-09	3.84E-09	8.82E-09	5.63E-08	4.47E-08	1.01E-07
1386	651167.64	4195569.98	5.84E-08	4.77E-08	1.06E-07	9.68E-09	8.28E-09	1.80E-08	5.33E-09	4.11E-09	9.44E-09	6.03E-08	4.79E-08	1.08E-07
1387	651146.96	4195560.96	6.30E-08	5.14E-08	1.14E-07	1.04E-08	8.93E-09	1.94E-08	5.75E-09	4.43E-09	1.02E-08	6.50E-08	5.16E-08	1.17E-07
1388	651126.29	4195551.93	6.84E-08	5.58E-08	1.24E-07	1.13E-08	9.69E-09	2.10E-08	6.24E-09	4.81E-09	1.10E-08	7.05E-08	5.60E-08	1.27E-07
1389	651105.61	4195542.91	7.45E-08	6.08E-08	1.35E-07	1.23E-08	1.06E-08	2.29E-08	6.79E-09	5.24E-09	1.20E-08	7.69E-08	6.10E-08	1.38E-07
1390	651084.94	4195533.88	8.12E-08	6.63E-08	1.48E-07	1.35E-08	1.15E-08	2.50E-08	7.41E-09	5.71E-09	1.31E-08	8.38E-08	6.65E-08	1.50E-07
1391	651064.26	4195524.86	8.83E-08	7.21E-08	1.60E-07	1.46E-08	1.25E-08	2.72E-08	8.06E-09	6.21E-09	1.43E-08	9.11E-08	7.23E-08	1.63E-07
1392	651043.58	4195515.83	9.54E-08	7.79E-08	1.73E-07	1.58E-08	1.35E-08	2.93E-08	8.71E-09	6.71E-09	1.54E-08	9.85E-08	7.82E-08	1.77E-07
1393	650919.53	4195461.69	1.23E-07	1.00E-07	2.23E-07	2.03E-08	1.74E-08	3.77E-08	1.12E-08	8.62E-09	1.98E-08	1.26E-07	1.00E-07	2.27E-07
1394	650898.85	4195452.66	1.23E-07	1.01E-07	2.24E-07	2.04E-08	1.75E-08	3.79E-08	1.12E-08	8.66E-09	1.99E-08	1.27E-07	1.01E-07	2.28E-07
1395	650878.18	4195443.64	1.23E-07	1.00E-07	2.23E-07	2.03E-08	1.74E-08	3.77E-08	1.12E-08	8.62E-09	1.98E-08	1.26E-07	1.00E-07	2.27E-07
1396	650857.5	4195434.61	1.21E-07	9.89E-08	2.20E-07	2.01E-08	1.72E-08	3.73E-08	1.11E-08	8.52E-09	1.96E-08	1.25E-07	9.92E-08	2.24E-07
1397	650836.83	4195425.59	1.19E-07	9.72E-08	2.16E-07	1.97E-08	1.69E-08	3.66E-08	1.09E-08	8.38E-09	1.92E-08	1.23E-07	9.75E-08	2.20E-07
1398	650816.15	4195416.56	1.16E-07	9.51E-08	2.12E-07	1.93E-08	1.65E-08	3.58E-08	1.06E-08	8.19E-09	1.88E-08	1.20E-07	9.54E-08	2.16E-07
1399	650795.48	4195407.54	1.13E-07	9.26E-08	2.06E-07	1.88E-08	1.61E-08	3.49E-08	1.03E-08	7.98E-09	1.83E-08	1.17E-07	9.29E-08	2.10E-07
1400	650774.8	4195398.52	1.10E-07	9.00E-08	2.00E-07	1.83E-08	1.56E-08	3.39E-08	1.01E-08	7.75E-09	1.78E-08	1.14E-07	9.03E-08	2.04E-07
1401	650754.12	4195389.49	1.07E-07	8.72E-08	1.94E-07	1.77E-08	1.51E-08	3.28E-08	9.74E-09	7.51E-09	1.73E-08	1.10E-07	8.75E-08	1.98E-07
1402	650733.45	4195380.47	1.03E-07	8.43E-08	1.88E-07	1.71E-08	1.46E-08	3.18E-08	9.42E-09	7.27E-09	1.67E-08	1.07E-07	8.46E-08	1.91E-07
1403	650712.77	4195371.44	9.97E-08	8.14E-08	1.81E-07	1.65E-08	1.41E-08	3.07E-08	9.10E-09	7.02E-09	1.61E-08	1.03E-07	8.17E-08	1.85E-07
1404	650692.1	4195362.42	9.61E-08	7.85E-08	1.75E-07	1.59E-08	1.36E-08	2.96E-08	8.77E-09	6.76E-09	1.55E-08	9.92E-08	7.87E-08	1.78E-07
1405	650671.42	4195353.39	9.26E-08	7.56E-08	1.68E-07	1.53E-08	1.31E-08	2.85E-08	8.44E-09	6.51E-09	1.50E-08	9.55E-08	7.58E-08	1.71E-07
1406	650646.56	4195322.2	8.89E-08	7.26E-08	1.62E-07	1.47E-08	1.26E-08	2.74E-08	8.11E-09	6.26E-09	1.44E-08	9.18E-08	7.29E-08	1.65E-07
1407	650638.18	4195277.87	8.82E-08	7.20E-08	1.60E-07	1.46E-08	1.25E-08	2.71E-08	8.05E-09	6.21E-09	1.43E-08	9.10E-08	7.23E-08	1.63E-07
1408	650633.99	4195255.7	8.76E-08	7.15E-08	1.59E-07	1.45E-08	1.24E-08	2.69E-08	7.99E-09	6.16E-09	1.42E-08	9.04E-08	7.17E-08	1.62E-07
1409	650625.61	4195211.37	8.60E-08	7.02E-08	1.56E-07	1.42E-08	1.22E-08	2.64E-08	7.84E-09	6.05E-09	1.39E-08	8.87E-08	7.04E-08	1.59E-07
1410	650621.42	4195189.2	8.51E-08	6.95E-08	1.55E-07	1.41E-08	1.21E-08	2.62E-08	7.76E-09	5.99E-09	1.38E-08	8.78E-08	6.97E-08	1.58E-07
1411	650613.04	4195144.86	8.37E-08	6.83E-08	1.52E-07	1.39E-08	1.19E-08	2.57E-08	7.63E-09	5.89E-09	1.35E-08	8.63E-08	6.85E-08	1.55E-07
1412	650608.85	4195122.7	8.32E-08	6.79E-08	1.51E-07	1.38E-08	1.18E-08	2.56E-08	7.59E-09	5.85E-09	1.34E-08	8.58E-08	6.81E-08	1.54E-07
1413	650600.48	4195078.36	8.26E-08	6.75E-08	1.50E-07	1.37E-08	1.17E-08	2.54E-08	7.54E-09	5.81E-09	1.33E-08	8.53E-08	6.77E-08	1.53E-07
1414	650596.29	4195056.2	8.24E-08	6.73E-08	1.50E-07	1.37E-08	1.17E-08	2.53E-08	7.52E-09	5.80E-09	1.33E-08	8.50E-08	6.75E-08	1.53E-07
1415	650587.91	4195011.86	8.17E-08	6.67E-08	1.48E-07	1.35E-08	1.16E-08	2.51E-08	7.45E-09	5.75E-09	1.32E-08	8.43E-08	6.69E-08	1.51E-07
1416	650583.72	4194989.69	8.10E-08	6.62E-08	1.47E-07	1.34E-08	1.15E-08	2.49E-08	7.39E-09	5.70E-09	1.31E-08	8.36E-08	6.64E-08	1.50E-07
1417	650575.34	4194945.36	7.89E-08	6.44E-08	1.43E-07	1.31E-08	1.12E-08	2.43E-08	7.20E-09	5.55E-09	1.28E-08	8.14E-08	6.46E-08	1.46E-07
1418	650571.15	4194923.19	7.75E-08	6.33E-08	1.41E-07	1.28E-08	1.10E-08	2.38E-08	7.07E-09	5.45E-09	1.25E-08	8.00E-08	6.35E-08	1.43E-07

1419	650562.78	4194878.86	7.42E-08	6.06E-08	1.35E-07	1.23E-08	1.05E-08	2.28E-08	6.77E-09	5.22E-09	1.20E-08	7.66E-08	6.08E-08	1.37E-07
1420	650558.59	4194856.69	7.24E-08	5.91E-08	1.31E-07	1.20E-08	1.03E-08	2.23E-08	6.60E-09	5.09E-09	1.17E-08	7.47E-08	5.93E-08	1.34E-07
1421	650550.21	4194812.36	6.83E-08	5.58E-08	1.24E-07	1.13E-08	9.68E-09	2.10E-08	6.23E-09	4.80E-09	1.10E-08	7.05E-08	5.59E-08	1.26E-07
1422	650546.02	4194790.19	6.61E-08	5.40E-08	1.20E-07	1.10E-08	9.37E-09	2.03E-08	6.03E-09	4.65E-09	1.07E-08	6.82E-08	5.42E-08	1.22E-07
1423	650537.64	4194745.85	6.18E-08	5.05E-08	1.12E-07	1.02E-08	8.77E-09	1.90E-08	5.64E-09	4.35E-09	9.99E-09	6.38E-08	5.06E-08	1.14E-07
1424	651250.34	4195606.08	4.61E-08	3.77E-08	8.38E-08	7.64E-09	6.54E-09	1.42E-08	4.21E-09	3.24E-09	7.45E-09	4.76E-08	3.78E-08	8.54E-08
1425	651273.16	4195604.37	4.48E-08	3.66E-08	8.15E-08	7.43E-09	6.36E-09	1.38E-08	4.09E-09	3.16E-09	7.25E-09	4.63E-08	3.67E-08	8.30E-08
1426	651295.98	4195602.66	4.36E-08	3.56E-08	7.92E-08	7.23E-09	6.18E-09	1.34E-08	3.98E-09	3.07E-09	7.05E-09	4.50E-08	3.57E-08	8.07E-08
1427	651318.79	4195600.96	4.24E-08	3.46E-08	7.71E-08	7.03E-09	6.01E-09	1.30E-08	3.87E-09	2.98E-09	6.85E-09	4.38E-08	3.47E-08	7.85E-08
1428	651341.61	4195599.25	4.13E-08	3.37E-08	7.50E-08	6.84E-09	5.85E-09	1.27E-08	3.76E-09	2.90E-09	6.67E-09	4.26E-08	3.38E-08	7.64E-08
1429	651364.42	4195597.54	4.03E-08	3.29E-08	7.31E-08	6.67E-09	5.71E-09	1.24E-08	3.67E-09	2.83E-09	6.51E-09	4.16E-08	3.30E-08	7.45E-08
1430	651119.42	4195741.86	4.05E-08	3.31E-08	7.36E-08	6.72E-09	5.75E-09	1.25E-08	3.70E-09	2.85E-09	6.55E-09	4.18E-08	3.32E-08	7.50E-08
1431	651098.58	4195732.77	4.32E-08	3.52E-08	7.84E-08	7.15E-09	6.12E-09	1.33E-08	3.94E-09	3.04E-09	6.97E-09	4.45E-08	3.54E-08	7.99E-08
1432	651077.75	4195723.67	4.63E-08	3.78E-08	8.41E-08	7.67E-09	6.56E-09	1.42E-08	4.22E-09	3.26E-09	7.48E-09	4.78E-08	3.79E-08	8.57E-08
1433	650786.05	4195596.35	8.79E-08	7.18E-08	1.60E-07	1.46E-08	1.25E-08	2.70E-08	8.02E-09	6.18E-09	1.42E-08	9.07E-08	7.20E-08	1.63E-07
1434	650765.22	4195587.26	8.71E-08	7.12E-08	1.58E-07	1.44E-08	1.24E-08	2.68E-08	7.95E-09	6.13E-09	1.41E-08	8.99E-08	7.14E-08	1.61E-07
1435	650744.38	4195578.17	8.60E-08	7.02E-08	1.56E-07	1.43E-08	1.22E-08	2.64E-08	7.85E-09	6.05E-09	1.39E-08	8.88E-08	7.04E-08	1.59E-07
1436	650723.54	4195569.07	8.46E-08	6.91E-08	1.54E-07	1.40E-08	1.20E-08	2.60E-08	7.71E-09	5.95E-09	1.37E-08	8.73E-08	6.93E-08	1.57E-07
1437	650702.71	4195559.98	8.29E-08	6.77E-08	1.51E-07	1.37E-08	1.18E-08	2.55E-08	7.56E-09	5.83E-09	1.34E-08	8.56E-08	6.79E-08	1.53E-07
1438	650681.87	4195550.88	8.11E-08	6.62E-08	1.47E-07	1.34E-08	1.15E-08	2.49E-08	7.40E-09	5.71E-09	1.31E-08	8.37E-08	6.64E-08	1.50E-07
1439	650661.04	4195541.79	7.92E-08	6.47E-08	1.44E-07	1.31E-08	1.12E-08	2.43E-08	7.22E-09	5.57E-09	1.28E-08	8.17E-08	6.48E-08	1.47E-07
1440	650640.2	4195532.7	7.72E-08	6.30E-08	1.40E-07	1.28E-08	1.09E-08	2.37E-08	7.04E-09	5.43E-09	1.25E-08	7.97E-08	6.32E-08	1.43E-07
1441	650619.37	4195523.6	7.52E-08	6.14E-08	1.37E-07	1.25E-08	1.07E-08	2.31E-08	6.86E-09	5.29E-09	1.21E-08	7.76E-08	6.16E-08	1.39E-07
1442	650598.53	4195514.51	7.32E-08	5.98E-08	1.33E-07	1.21E-08	1.04E-08	2.25E-08	6.68E-09	5.15E-09	1.18E-08	7.55E-08	5.99E-08	1.35E-07
1443	650577.7	4195505.41	7.12E-08	5.81E-08	1.29E-07	1.18E-08	1.01E-08	2.19E-08	6.49E-09	5.01E-09	1.15E-08	7.35E-08	5.83E-08	1.32E-07
1444	650556.86	4195496.32	6.92E-08	5.65E-08	1.26E-07	1.15E-08	9.81E-09	2.13E-08	6.31E-09	4.87E-09	1.12E-08	7.14E-08	5.67E-08	1.28E-07
1445	650536.03	4195487.22	6.72E-08	5.49E-08	1.22E-07	1.11E-08	9.52E-09	2.07E-08	6.13E-09	4.73E-09	1.09E-08	6.93E-08	5.50E-08	1.24E-07
1446	650515.19	4195478.13	6.52E-08	5.32E-08	1.18E-07	1.08E-08	9.24E-09	2.00E-08	5.95E-09	4.59E-09	1.05E-08	6.73E-08	5.34E-08	1.21E-07
1447	650490.13	4195446.7	6.32E-08	5.16E-08	1.15E-07	1.05E-08	8.96E-09	1.94E-08	5.76E-09	4.44E-09	1.02E-08	6.52E-08	5.17E-08	1.17E-07
1448	650481.69	4195402.02	6.27E-08	5.12E-08	1.14E-07	1.04E-08	8.89E-09	1.93E-08	5.72E-09	4.41E-09	1.01E-08	6.48E-08	5.14E-08	1.16E-07
1449	650477.47	4195379.68	6.23E-08	5.09E-08	1.13E-07	1.03E-08	8.84E-09	1.92E-08	5.69E-09	4.39E-09	1.01E-08	6.43E-08	5.11E-08	1.15E-07
1450	650469.03	4195335.01	6.13E-08	5.01E-08	1.11E-07	1.02E-08	8.69E-09	1.89E-08	5.59E-09	4.31E-09	9.91E-09	6.33E-08	5.02E-08	1.14E-07
1451	650464.81	4195312.67	6.07E-08	4.96E-08	1.10E-07	1.01E-08	8.61E-09	1.87E-08	5.54E-09	4.27E-09	9.82E-09	6.27E-08	4.98E-08	1.12E-07
1452	650456.36	4195267.99	5.96E-08	4.87E-08	1.08E-07	9.89E-09	8.46E-09	1.83E-08	5.44E-09	4.20E-09	9.64E-09	6.16E-08	4.89E-08	1.10E-07
1453	650452.14	4195245.65	5.92E-08	4.83E-08	1.08E-07	9.81E-09	8.39E-09	1.82E-08	5.40E-09	4.17E-09	9.57E-09	6.11E-08	4.85E-08	1.10E-07
1454	650443.7	4195200.98	5.87E-08	4.79E-08	1.07E-07	9.72E-09	8.32E-09	1.80E-08	5.35E-09	4.13E-09	9.48E-09	6.05E-08	4.80E-08	1.09E-07
1455	650439.48	4195178.64	5.86E-08	4.78E-08	1.06E-07	9.71E-09	8.30E-09	1.80E-08	5.34E-09	4.12E-09	9.46E-09	6.04E-08	4.80E-08	1.08E-07
1456	650431.03	4195133.96	5.87E-08	4.79E-08	1.07E-07	9.73E-09	8.32E-09	1.81E-08	5.36E-09	4.13E-09	9.49E-09	6.06E-08	4.81E-08	1.09E-07
1457	650426.81	4195111.62	5.88E-08	4.80E-08	1.07E-07	9.75E-09	8.34E-09	1.81E-08	5.37E-09	4.14E-09	9.50E-09	6.07E-08	4.82E-08	1.09E-07
1458	650418.37	4195066.95	5.88E-08	4.80E-08	1.07E-07	9.75E-09	8.34E-09	1.81E-08	5.37E-09	4.14E-09	9.51E-09	6.07E-08	4.82E-08	1.09E-07
1459	650414.15	4195044.61	5.86E-08	4.79E-08	1.06E-07	9.72E-09	8.31E-09	1.80E-08	5.35E-09	4.12E-09	9.47E-09	6.05E-08	4.80E-08	1.09E-07
1460	650405.71	4194999.93	5.76E-08	4.70E-08	1.05E-07	9.55E-09	8.17E-09	1.77E-08	5.26E-09	4.05E-09	9.31E-09	5.95E-08	4.72E-08	1.07E-07
1461	650401.49	4194977.59	5.68E-08	4.64E-08	1.03E-07	9.41E-09	8.05E-09	1.75E-08	5.18E-09	4.00E-09	9.18E-09	5.86E-08	4.65E-08	1.05E-07
1462	650393.04	4194932.92	5.48E-08	4.47E-08	9.95E-08	9.08E-09	7.76E-09	1.68E-08	5.00E-09	3.85E-09	8.85E-09	5.65E-08	4.49E-08	1.01E-07
1463	650388.82	4194910.58	5.36E-08	4.38E-08	9.73E-08	8.88E-09	7.60E-09	1.65E-08	4.89E-09	3.77E-09	8.66E-09	5.53E-08	4.39E-08	9.92E-08
1464	650384.6	4194888.24	5.24E-08	4.28E-08	9.51E-08	8.68E-09	7.42E-09	1.61E-08	4.78E-09	3.68E-09	8.46E-09	5.41E-08	4.29E-08	9.70E-08
1465	650376.16	4194843.56	4.99E-08	4.08E-08	9.07E-08	8.27E-09	7.08E-09	1.53E-08	4.55E-09	3.51E-09	8.07E-09	5.15E-08	4.09E-08	9.24E-08
1466	650371.94	4194821.22	4.87E-08	3.98E-08	8.85E-08	8.07E-09	6.91E-09	1.50E-08	4.44E-09	3.43E-09	7.87E-09	5.03E-08	3.99E-08	9.02E-08
1467	650363.49	4194776.55	4.64E-08	3.79E-08	8.43E-08	7.69E-09	6.58E-09	1.43E-08	4.24E-09	3.27E-09	7.50E-09	4.79E-08	3.80E-08	8.59E-08
1468	650359.27	4194754.21	4.53E-08	3.70E-08	8.23E-08	7.51E-09	6.43E-09	1.39E-08	4.14E-09	3.19E-09	7.32E-09	4.68E-08	3.71E-08	8.39E-08
1469	650350.83	4194709.53	4.31E-08	3.52E-08	7.84E-08	7.15E-09	6.12E-09	1.33E-08	3.94E-09	3.04E-09	6.97E-09	4.45E-08	3.53E-08	7.99E-08
1470	650346.61	4194687.19	4.20E-08	3.43E-08	7.63E-08	6.96E-09	5.95E-09	1.29E-08	3.83E-09	2.95E-09	6.78E-09	4.33E-08	3.44E-08	7.77E-08
1471	651265.27	4195805.52	3.07E-08	2.50E-08	5.57E-08	5.08E-09	4.35E-09	9.43E-09	2.80E-09	2.16E-09	4.96E-09	3.16E-08	2.51E-08	5.68E-08
1472	651288.08	4195803.81	2.99E-08	2.44E-08	5.44E-08	4.96E-09	4.24E-09	9.21E-09	2.73E-09	2.11E-09	4.84E-09	3.09E-08	2.45E-08	5.54E-08
1473	651310.9	4195802.11	2.91E-08	2.38E-08	5.29E-08	4.83E-09	4.13E-09	8.96E-09	2.66E-09	2.05E-09	4.71E-09	3.01E-08	2.39E-08	5.39E-08
1474	651333.72	4195800.4	2.83E-08	2.31E-08	5.14E-08	4.69E-09	4.01E-09	8.70E-09	2.58E-09	1.99E-09	4.57E-09	2.92E-08	2.32E-08	5.24E-08
1475	651356.53	4195798.69	2.75E-08	2.24E-08	4.99E-08	4.56E-09	3.90E-09	8.45E-09	2.51E-09	1.93E-09	4.44E-09	2.84E-08	2.25E-08	5.09E-08
1476	651379.35	4195796.98	2.68E-08	2.19E-08	4.87E-08	4.45E-09	3.80E-09	8.25E-09	2.45E-09	1.89E-09	4.33E-09	2.77E-08	2.20E-08	4.97E-08
1477	651402.16	4195795.28	2.64E-08	2.15E-08	4.79E-08	4.37E-09	3.74E-09	8.11E-09	2.41E-09	1.86E-09	4.26E-09	2.72E-08	2.16E-08	4.88E-08
1478	651424.98	4195793.57	2.62E-08	2.14E-08	4.76E-08	4.34E-09	3.71E-09	8.06E-09	2.39E-09	1.84E-09	4.23E-09	2.70E-08	2.15E-08	4.85E-08
1479	651447.8	4195791.86	2.63E-08	2.15E-08	4.78E-08	4.36E-09	3.73E-09	8.10E-09	2.40E-09	1.85E-09	4.26E-09	2.72E-08	2.16E-08	4.87E-08
1480	651470.61	4195790.16	2.68E-08	2.19E-08	4.86E-08	4.44E-09	3.79E-09	8.23E-09	2.44E-09	1.88E-09	4.32E-09	2.76E-08	2.19E-08	4.95E-08
1481	651493.43	4195788.45	2.74E-08	2.24E-08	4.99E-08	4.55E-09	3.89E-09	8.44E-09	2.50E-09	1.93E-09	4.43E-09	2.83E-08	2.25E-08	5.08E-08
1482	651259.25	4195995.82	2.33E-08	1.90E-08	4.23E-08	3.86E-09	3.30E-09	7.15E-09	2.12E-09	1.64E-09	3.76E-09	2.40E-08	1.91E-08	4.31E-08
1483	651238.31	4195986.69	2.40E-08	1.96E-08	4.36E-08	3.98E-09	3.40E-09	7.38E-09	2.19E-09	1.69E-09	3.88E-09	2.48E-08	1.97E-08	4.44E-08
1484	651217.37	4195977.55	2.47E-08	2.01E-08	4.48E-08	4.09E-09	3.50E-09	7.58E-09	2.25E-09	1.73E-09	3.98E-09	2.54E-08	2.02E-08	4.56E-08
1485	651196.44	4195968.41	2.52E-08	2.06E-08	4.58E-08	4.18E-09	3.58E-09	7.76E-09	2.30E-09	1.78E-09	4.08E-09	2.60E-08	2.07E-08	4.67E-08
1486	651175.5	4195959.27	2.58E-08	2.10E-08	4.68E-08	4.27E-09	3.65E-09	7.92E-09	2.35E-09	1.81E-09	4.16E-09	2.66E-08	2.11E-08	4.77E-08
1487	651154.56	4195950.13	2.63E-08	2.15E-08	4.78E-08	4.36E-09	3.73E-09	8.09E-09	2.40E-09	1.85E-09	4.25E-09	2.71E-08	2.15E-08	4.87E-08
1488	651133.62	4195940.99	2.69E-08	2.20E-08	4.89E-08	4.46E-09	3.82E-09	8.28E-09	2.46E-09	1.89E-09	4.35E-09	2.78E-08	2.21E-08	4.99E-08
1489	651112.68	4195931.85	2.77E-08	2.26E-08	5.04E-08	4.60E-09	3.93E-09	8.53E-09	2.53E-09	1.95E-09	4.48E-09	2.86E-08	2.27E-08	5.13E-08
1490	651091.74	4195922.71	2.88E-08	2.35E-08	5.22E-08	4.77E-09	4.08E-09	8.84E-09	2.62E-09	2.02E-09	4.65E-09	2.97E-08	2.36E-08	5.32E-08
1491	651070.81	4195913.57	3.01E-08	2.46E-08	5.46E-08	4.99E-09	4.26E-09	9.25E-09	2.74E-09	2.12E-09	4.86E-09	3.10E-08	2.46E-08	5.57E-08
1492	651049.87	4195904.43	3.17E-08	2.59E-08	5.77E-08	5.26E-09	4.50E-09	9.76E-09	2.90E-09	2.23E-09	5.13E-09	3.28E-08	2.60E-08	5.88E-08
1493	651028.93	4195895.29	3.38E-08	2.76E-08	6.13E-08	5.60E-09	4.79E-09	1.04E-08	3.08E-09	2.38E-09	5.46E-09	3.49E-08	2.77E-08	6.25E-08
1494	651007.99	4195886.16	3.61E-08	2.95E-08	6.57E-08	5.99E-09	5.12E-09	1.11E-08	3.30E-09	2.54E-09	5.84E-09	3.73E-08	2.96E-08	6.69E-08
1495	650987.05	4195877.02	3.88E-08	3.17E-08	7.05E-08	6.44E-09	5.50E-09	1.19E-08	3.54E-09	2.73E-09	6.27E-09	4.01E-08	3.18E-08	7.19E-08
1496	650966.11	4195867.88	4.18E-08	3.41E-08	7.59E-08	6.92E-09	5.92E-09	1.28E-08	3.81E-09	2.94E-09	6.75E-09	4.31E-08	3.42E-08	7.73E-08
1497	650672.98	4195739.93	6.63E-08	5.42E-08	1.20E-07	1.10E-08	9.40E-09	2.04E-08	6.05E-09	4.67E-09	1.07E-08	6.85E-08	5.43E-08	1.23E-07

1498	650652.04	4195730.79	6.56E-08	5.36E-08	1.19E-07	1.09E-08	9.30E-09	2.02E-08	5.99E-09	4.62E-09	1.06E-08	6.77E-08	5.38E-08	1.22E-07
1499	650631.1	4195721.65	6.48E-08	5.29E-08	1.18E-07	1.07E-08	9.18E-09	1.99E-08	5.91E-09	4.56E-09	1.05E-08	6.68E-08	5.31E-08	1.20E-07
1500	650610.16	4195712.51	6.38E-08	5.21E-08	1.16E-07	1.06E-08	9.04E-09	1.96E-08	5.82E-09	4.49E-09	1.03E-08	6.58E-08	5.22E-08	1.18E-07
1501	650589.22	4195703.37	6.26E-08	5.12E-08	1.14E-07	1.04E-08	8.88E-09	1.93E-08	5.71E-09	4.41E-09	1.01E-08	6.46E-08	5.13E-08	1.16E-07
1502	650568.29	4195694.23	6.14E-08	5.02E-08	1.12E-07	1.02E-08	8.71E-09	1.89E-08	5.61E-09	4.32E-09	9.93E-09	6.34E-08	5.03E-08	1.14E-07
1503	650547.35	4195685.1	6.02E-08	4.92E-08	1.09E-07	9.98E-09	8.53E-09	1.85E-08	5.49E-09	4.23E-09	9.73E-09	6.21E-08	4.93E-08	1.11E-07
1504	650526.41	4195675.96	5.89E-08	4.81E-08	1.07E-07	9.77E-09	8.35E-09	1.81E-08	5.38E-09	4.15E-09	9.52E-09	6.08E-08	4.83E-08	1.09E-07
1505	650505.47	4195666.82	5.76E-08	4.71E-08	1.05E-07	9.55E-09	8.17E-09	1.77E-08	5.26E-09	4.05E-09	9.31E-09	5.95E-08	4.72E-08	1.07E-07
1506	650484.53	4195657.68	5.64E-08	4.60E-08	1.02E-07	9.34E-09	7.99E-09	1.73E-08	5.14E-09	3.97E-09	9.11E-09	5.82E-08	4.62E-08	1.04E-07
1507	650463.59	4195648.54	5.51E-08	4.50E-08	1.00E-07	9.14E-09	7.82E-09	1.70E-08	5.03E-09	3.88E-09	8.91E-09	5.69E-08	4.52E-08	1.02E-07
1508	650442.66	4195639.4	5.39E-08	4.40E-08	9.79E-08	8.94E-09	7.64E-09	1.66E-08	4.92E-09	3.79E-09	8.71E-09	5.56E-08	4.42E-08	9.98E-08
1509	650421.72	4195630.26	5.27E-08	4.30E-08	9.58E-08	8.74E-09	7.47E-09	1.62E-08	4.81E-09	3.71E-09	8.52E-09	5.44E-08	4.32E-08	9.76E-08
1510	650400.78	4195621.12	5.15E-08	4.21E-08	9.36E-08	8.54E-09	7.30E-09	1.58E-08	4.70E-09	3.62E-09	8.32E-09	5.32E-08	4.22E-08	9.53E-08
1511	650379.84	4195611.98	5.03E-08	4.11E-08	9.14E-08	8.34E-09	7.13E-09	1.55E-08	4.59E-09	3.54E-09	8.13E-09	5.19E-08	4.12E-08	9.31E-08
1512	650358.9	4195602.84	4.91E-08	4.01E-08	8.92E-08	8.14E-09	6.96E-09	1.51E-08	4.48E-09	3.45E-09	7.93E-09	5.07E-08	4.02E-08	9.09E-08
1513	650333.72	4195571.26	4.78E-08	3.91E-08	8.69E-08	7.93E-09	6.78E-09	1.47E-08	4.37E-09	3.37E-09	7.73E-09	4.94E-08	3.92E-08	8.86E-08
1514	650329.48	4195548.81	4.77E-08	3.90E-08	8.67E-08	7.91E-09	6.77E-09	1.47E-08	4.36E-09	3.36E-09	7.72E-09	4.93E-08	3.91E-08	8.84E-08
1515	650325.24	4195526.36	4.76E-08	3.88E-08	8.64E-08	7.88E-09	6.74E-09	1.46E-08	4.34E-09	3.35E-09	7.69E-09	4.91E-08	3.90E-08	8.81E-08
1516	650321	4195503.91	4.73E-08	3.86E-08	8.59E-08	7.84E-09	6.71E-09	1.45E-08	4.32E-09	3.33E-09	7.65E-09	4.88E-08	3.88E-08	8.76E-08
1517	650316.75	4195481.46	4.70E-08	3.84E-08	8.54E-08	7.79E-09	6.66E-09	1.44E-08	4.29E-09	3.31E-09	7.59E-09	4.85E-08	3.85E-08	8.70E-08
1518	650312.51	4195459.01	4.66E-08	3.81E-08	8.47E-08	7.73E-09	6.61E-09	1.43E-08	4.25E-09	3.28E-09	7.53E-09	4.81E-08	3.82E-08	8.63E-08
1519	650308.27	4195436.56	4.62E-08	3.77E-08	8.39E-08	7.66E-09	6.55E-09	1.42E-08	4.22E-09	3.25E-09	7.47E-09	4.77E-08	3.78E-08	8.55E-08
1520	650304.03	4195414.12	4.58E-08	3.74E-08	8.32E-08	7.59E-09	6.49E-09	1.41E-08	4.18E-09	3.22E-09	7.40E-09	4.73E-08	3.75E-08	8.48E-08
1521	650299.78	4195391.67	4.54E-08	3.71E-08	8.25E-08	7.52E-09	6.44E-09	1.40E-08	4.14E-09	3.19E-09	7.34E-09	4.69E-08	3.72E-08	8.40E-08
1522	650295.54	4195369.22	4.50E-08	3.68E-08	8.18E-08	7.46E-09	6.38E-09	1.38E-08	4.11E-09	3.17E-09	7.28E-09	4.65E-08	3.69E-08	8.34E-08
1523	650287.06	4195324.32	4.45E-08	3.63E-08	8.08E-08	7.37E-09	6.30E-09	1.37E-08	4.06E-09	3.13E-09	7.19E-09	4.59E-08	3.64E-08	8.23E-08
1524	650282.82	4195301.87	4.43E-08	3.62E-08	8.05E-08	7.34E-09	6.28E-09	1.36E-08	4.04E-09	3.12E-09	7.16E-09	4.57E-08	3.63E-08	8.20E-08
1525	650278.57	4195279.42	4.42E-08	3.61E-08	8.03E-08	7.33E-09	6.27E-09	1.36E-08	4.03E-09	3.11E-09	7.15E-09	4.56E-08	3.62E-08	8.19E-08
1526	650274.33	4195256.97	4.42E-08	3.61E-08	8.03E-08	7.33E-09	6.27E-09	1.36E-08	4.03E-09	3.11E-09	7.15E-09	4.56E-08	3.62E-08	8.19E-08
1527	650270.09	4195234.53	4.43E-08	3.62E-08	8.05E-08	7.34E-09	6.28E-09	1.36E-08	4.04E-09	3.12E-09	7.16E-09	4.57E-08	3.63E-08	8.20E-08
1528	650265.85	4195212.08	4.44E-08	3.63E-08	8.07E-08	7.37E-09	6.30E-09	1.37E-08	4.05E-09	3.13E-09	7.18E-09	4.59E-08	3.64E-08	8.23E-08
1529	650261.61	4195189.63	4.46E-08	3.64E-08	8.11E-08	7.40E-09	6.33E-09	1.37E-08	4.07E-09	3.14E-09	7.21E-09	4.61E-08	3.66E-08	8.26E-08
1530	650257.36	4195167.18	4.48E-08	3.66E-08	8.14E-08	7.43E-09	6.35E-09	1.38E-08	4.09E-09	3.15E-09	7.24E-09	4.62E-08	3.67E-08	8.29E-08
1531	650253.12	4195144.73	4.50E-08	3.67E-08	8.17E-08	7.45E-09	6.37E-09	1.38E-08	4.10E-09	3.16E-09	7.27E-09	4.64E-08	3.68E-08	8.32E-08
1532	650244.64	4195099.83	4.50E-08	3.68E-08	8.18E-08	7.46E-09	6.38E-09	1.38E-08	4.11E-09	3.17E-09	7.27E-09	4.65E-08	3.69E-08	8.33E-08
1533	650240.39	4195077.39	4.48E-08	3.66E-08	8.15E-08	7.43E-09	6.36E-09	1.38E-08	4.09E-09	3.16E-09	7.25E-09	4.63E-08	3.67E-08	8.30E-08
1534	650236.15	4195054.94	4.45E-08	3.64E-08	8.09E-08	7.38E-09	6.31E-09	1.37E-08	4.06E-09	3.13E-09	7.19E-09	4.59E-08	3.65E-08	8.24E-08
1535	650231.91	4195032.49	4.40E-08	3.60E-08	8.00E-08	7.30E-09	6.24E-09	1.35E-08	4.02E-09	3.10E-09	7.12E-09	4.54E-08	3.61E-08	8.15E-08
1536	650227.67	4195010.04	4.34E-08	3.55E-08	7.89E-08	7.20E-09	6.16E-09	1.34E-08	3.96E-09	3.06E-09	7.02E-09	4.48E-08	3.56E-08	8.04E-08
1537	650223.43	4194987.59	4.27E-08	3.49E-08	7.75E-08	7.07E-09	6.05E-09	1.31E-08	3.89E-09	3.00E-09	6.90E-09	4.40E-08	3.50E-08	7.90E-08
1538	650219.18	4194965.14	4.18E-08	3.42E-08	7.60E-08	6.94E-09	5.93E-09	1.29E-08	3.82E-09	2.94E-09	6.76E-09	4.32E-08	3.43E-08	7.75E-08
1539	650214.94	4194942.69	4.10E-08	3.35E-08	7.44E-08	6.79E-09	5.81E-09	1.26E-08	3.74E-09	2.88E-09	6.62E-09	4.23E-08	3.36E-08	7.58E-08
1540	650210.7	4194920.24	4.01E-08	3.27E-08	7.28E-08	6.65E-09	5.68E-09	1.23E-08	3.66E-09	2.82E-09	6.48E-09	4.14E-08	3.28E-08	7.42E-08
1541	650202.22	4194875.35	3.85E-08	3.14E-08	6.99E-08	6.38E-09	5.45E-09	1.18E-08	3.51E-09	2.71E-09	6.22E-09	3.97E-08	3.15E-08	7.12E-08
1542	650197.97	4194852.9	3.77E-08	3.08E-08	6.85E-08	6.25E-09	5.34E-09	1.16E-08	3.44E-09	2.65E-09	6.09E-09	3.89E-08	3.09E-08	6.98E-08
1543	650193.73	4194830.45	3.70E-08	3.02E-08	6.72E-08	6.14E-09	5.25E-09	1.14E-08	3.38E-09	2.60E-09	5.98E-09	3.82E-08	3.03E-08	6.85E-08
1544	650189.49	4194808	3.64E-08	2.97E-08	6.61E-08	6.03E-09	5.16E-09	1.12E-08	3.32E-09	2.56E-09	5.88E-09	3.75E-08	2.98E-08	6.73E-08
1545	650185.25	4194785.55	3.58E-08	2.92E-08	6.50E-08	5.93E-09	5.07E-09	1.10E-08	3.26E-09	2.52E-09	5.78E-09	3.69E-08	2.93E-08	6.62E-08
1546	650181	4194763.1	3.52E-08	2.87E-08	6.39E-08	5.83E-09	4.99E-09	1.08E-08	3.21E-09	2.48E-09	5.69E-09	3.63E-08	2.88E-08	6.52E-08
1547	650176.76	4194740.66	3.46E-08	2.83E-08	6.29E-08	5.74E-09	4.91E-09	1.06E-08	3.16E-09	2.44E-09	5.59E-09	3.57E-08	2.84E-08	6.41E-08
1548	650172.52	4194718.21	3.40E-08	2.78E-08	6.18E-08	5.64E-09	4.82E-09	1.05E-08	3.10E-09	2.39E-09	5.50E-09	3.51E-08	2.79E-08	6.29E-08
1549	650164.04	4194673.31	3.26E-08	2.66E-08	5.92E-08	5.41E-09	4.62E-09	1.00E-08	2.98E-09	2.29E-09	5.27E-09	3.37E-08	2.67E-08	6.04E-08
1550	650159.79	4194650.86	3.18E-08	2.59E-08	5.77E-08	5.27E-09	4.50E-09	9.77E-09	2.90E-09	2.24E-09	5.13E-09	3.28E-08	2.60E-08	5.88E-08
1551	650155.55	4194628.41	3.09E-08	2.52E-08	5.61E-08	5.11E-09	4.37E-09	9.49E-09	2.82E-09	2.17E-09	4.99E-09	3.18E-08	2.53E-08	5.71E-08
1552	650151.31	4194605.96	2.99E-08	2.44E-08	5.43E-08	4.95E-09	4.23E-09	9.18E-09	2.72E-09	2.10E-09	4.83E-09	3.08E-08	2.45E-08	5.53E-08
1553	651280.19	4196004.96	2.24E-08	1.83E-08	4.07E-08	3.72E-09	3.18E-09	6.90E-09	2.05E-09	1.58E-09	3.62E-09	2.31E-08	1.84E-08	4.15E-08
1554	651303.01	4196003.26	2.18E-08	1.78E-08	3.96E-08	3.61E-09	3.09E-09	6.70E-09	1.99E-09	1.53E-09	3.52E-09	2.25E-08	1.78E-08	4.03E-08
1555	651325.82	4196001.55	2.11E-08	1.72E-08	3.83E-08	3.50E-09	2.99E-09	6.49E-09	1.92E-09	1.48E-09	3.41E-09	2.18E-08	1.73E-08	3.91E-08
1556	651348.64	4195999.84	2.04E-08	1.67E-08	3.71E-08	3.39E-09	2.90E-09	6.28E-09	1.86E-09	1.44E-09	3.30E-09	2.11E-08	1.67E-08	3.78E-08
1557	651371.46	4195998.13	1.98E-08	1.62E-08	3.60E-08	3.29E-09	2.81E-09	6.10E-09	1.81E-09	1.40E-09	3.20E-09	2.05E-08	1.62E-08	3.67E-08
1558	651394.27	4195996.43	1.94E-08	1.58E-08	3.52E-08	3.21E-09	2.75E-09	5.96E-09	1.77E-09	1.36E-09	3.13E-09	2.00E-08	1.59E-08	3.59E-08
1559	651417.09	4195994.72	1.91E-08	1.56E-08	3.47E-08	3.17E-09	2.71E-09	5.88E-09	1.74E-09	1.34E-09	3.09E-09	1.97E-08	1.57E-08	3.54E-08
1560	651439.9	4195993.01	1.91E-08	1.56E-08	3.46E-08	3.16E-09	2.70E-09	5.86E-09	1.74E-09	1.34E-09	3.08E-09	1.97E-08	1.56E-08	3.53E-08
1561	651462.72	4195991.31	1.92E-08	1.57E-08	3.50E-08	3.19E-09	2.73E-09	5.92E-09	1.76E-09	1.35E-09	3.11E-09	1.99E-08	1.58E-08	3.56E-08
1562	651485.54	4195989.6	1.96E-08	1.60E-08	3.56E-08	3.25E-09	2.78E-09	6.03E-09	1.79E-09	1.38E-09	3.17E-09	2.03E-08	1.61E-08	3.63E-08
1563	651508.35	4195987.89	2.02E-08	1.65E-08	3.67E-08	3.35E-09	2.86E-09	6.21E-09	1.84E-09	1.42E-09	3.26E-09	2.08E-08	1.65E-08	3.74E-08
1564	651531.17	4195986.18	2.09E-08	1.71E-08	3.79E-08	3.46E-09	2.96E-09	6.42E-09	1.91E-09	1.47E-09	3.38E-09	2.16E-08	1.71E-08	3.87E-08
1565	651274.49	4196195.41	1.79E-08	1.46E-08	3.26E-08	2.97E-09	2.54E-09	5.51E-09	1.64E-09	1.26E-09	2.90E-09	1.85E-08	1.47E-08	3.32E-08
1566	651253.87	4196186.4	1.86E-08	1.52E-08	3.37E-08	3.08E-09	2.63E-09	5.71E-09	1.69E-09	1.31E-09	3.00E-09	1.92E-08	1.52E-08	3.44E-08
1567	651233.25	4196177.4	1.92E-08	1.56E-08	3.48E-08	3.18E-09	2.72E-09	5.89E-09	1.75E-09	1.35E-09	3.10E-09	1.98E-08	1.57E-08	3.55E-08
1568	651212.63	4196168.4	1.96E-08	1.60E-08	3.57E-08	3.26E-09	2.78E-09	6.04E-09	1.79E-09	1.38E-09	3.17E-09	2.03E-08	1.61E-08	3.64E-08
1569	651192.01	4196159.4	2.00E-08	1.63E-08	3.64E-08	3.32E-09	2.84E-09	6.15E-09	1.83E-09	1.41E-09	3.23E-09	2.07E-08	1.64E-08	3.71E-08
1570	651171.39	4196150.4	2.03E-08	1.66E-08	3.69E-08	3.37E-09	2.88E-09	6.25E-09	1.85E-09	1.43E-09	3.28E-09	2.10E-08	1.66E-08	3.76E-08
1571	651150.77	4196141.4	2.05E-08	1.68E-08	3.73E-08	3.40E-09	2.91E-09	6.32E-09	1.87E-09	1.45E-09	3.32E-09	2.12E-08	1.68E-08	3.80E-08
1572	651130.14	4196132.4	2.08E-08	1.69E-08	3.77E-08	3.44E-09	2.94E-09	6.38E-09	1.89E-09	1.46E-09	3.35E-09	2.14E-08	1.70E-08	3.84E-08
1573	651109.52	4196123.4	2.10E-08	1.71E-08	3.81E-08	3.48E-09	2.98E-09	6.45E-09	1.91E-09	1.48E-09	3.39E-09	2.17E-08	1.72E-08	3.89E-08
1574	651088.9	4196114.4	2.13E-08	1.74E-08	3.87E-08	3.53E-09	3.02E-09	6.55E-09	1.94E-09	1.50E-09	3.44E-09	2.20E-08	1.74E-08	3.94E-08
1575	651047.66	4196096.4	2.24E-08	1.83E-08	4.06E-08	3.71E-09	3.17E-09	6.88E-09	2.04E-09	1.57E-09	3.61E-09	2.31E-08	1.83E-08	4.14E-08
1576	651027.04	4196087.4	2.32E-08	1.89E-08	4.21E-08	3.84E-09	3.29E-09	7.13E-09	2.12E-09	1.63E-09	3.75E-09	2.39E-08	1.90E-08	4.29E-08

1577	651006.42	4196078.4	2.43E-08	1.98E-08	4.41E-08	4.02E-09	3.44E-09	7.46E-09	2.21E-09	1.71E-09	3.92E-09	2.50E-08	1.99E-08	4.49E-08
1578	650985.8	4196069.4	2.56E-08	2.09E-08	4.64E-08	4.24E-09	3.62E-09	7.86E-09	2.33E-09	1.80E-09	4.13E-09	2.64E-08	2.09E-08	4.73E-08
1579	650965.18	4196060.4	2.71E-08	2.21E-08	4.92E-08	4.49E-09	3.84E-09	8.33E-09	2.47E-09	1.91E-09	4.38E-09	2.80E-08	2.22E-08	5.02E-08
1580	650944.55	4196051.4	2.89E-08	2.36E-08	5.24E-08	4.78E-09	4.09E-09	8.88E-09	2.63E-09	2.03E-09	4.66E-09	2.98E-08	2.36E-08	5.34E-08
1581	650923.93	4196042.39	3.08E-08	2.52E-08	5.60E-08	5.11E-09	4.37E-09	9.48E-09	2.81E-09	2.17E-09	4.98E-09	3.18E-08	2.52E-08	5.71E-08
1582	650903.31	4196033.39	3.29E-08	2.69E-08	5.98E-08	5.46E-09	4.67E-09	1.01E-08	3.00E-09	2.32E-09	5.32E-09	3.40E-08	2.70E-08	6.10E-08
1583	650717.72	4195952.39	5.09E-08	4.16E-08	9.24E-08	8.43E-09	7.21E-09	1.56E-08	4.64E-09	3.58E-09	8.22E-09	5.25E-08	4.17E-08	9.42E-08
1584	650697.1	4195943.39	5.19E-08	4.24E-08	9.42E-08	8.60E-09	7.35E-09	1.60E-08	4.73E-09	3.65E-09	8.38E-09	5.35E-08	4.25E-08	9.60E-08
1585	650676.48	4195934.39	5.26E-08	4.29E-08	9.55E-08	8.71E-09	7.45E-09	1.62E-08	4.79E-09	3.70E-09	8.49E-09	5.42E-08	4.30E-08	9.73E-08
1586	650655.86	4195925.39	5.30E-08	4.33E-08	9.62E-08	8.78E-09	7.51E-09	1.63E-08	4.83E-09	3.73E-09	8.56E-09	5.47E-08	4.34E-08	9.80E-08
1587	650635.24	4195916.39	5.31E-08	4.34E-08	9.65E-08	8.81E-09	7.53E-09	1.63E-08	4.85E-09	3.74E-09	8.59E-09	5.48E-08	4.35E-08	9.83E-08
1588	650614.62	4195907.39	5.31E-08	4.33E-08	9.64E-08	8.80E-09	7.52E-09	1.63E-08	4.84E-09	3.73E-09	8.58E-09	5.48E-08	4.35E-08	9.82E-08
1589	650594	4195898.38	5.28E-08	4.32E-08	9.60E-08	8.76E-09	7.49E-09	1.63E-08	4.82E-09	3.72E-09	8.54E-09	5.45E-08	4.33E-08	9.78E-08
1590	650573.37	4195889.38	5.25E-08	4.29E-08	9.53E-08	8.70E-09	7.44E-09	1.61E-08	4.79E-09	3.69E-09	8.48E-09	5.42E-08	4.30E-08	9.71E-08
1591	650552.75	4195880.38	5.20E-08	4.25E-08	9.44E-08	8.62E-09	7.37E-09	1.60E-08	4.74E-09	3.66E-09	8.40E-09	5.37E-08	4.26E-08	9.62E-08
1592	650532.13	4195871.38	5.14E-08	4.20E-08	9.34E-08	8.52E-09	7.29E-09	1.58E-08	4.69E-09	3.62E-09	8.31E-09	5.30E-08	4.21E-08	9.51E-08
1593	650511.51	4195862.38	5.07E-08	4.14E-08	9.22E-08	8.41E-09	7.19E-09	1.56E-08	4.63E-09	3.57E-09	8.20E-09	5.24E-08	4.16E-08	9.39E-08
1594	650490.89	4195853.38	5.00E-08	4.08E-08	9.08E-08	8.29E-09	7.09E-09	1.54E-08	4.56E-09	3.52E-09	8.08E-09	5.16E-08	4.10E-08	9.26E-08
1595	650470.27	4195844.38	4.92E-08	4.02E-08	8.94E-08	8.16E-09	6.98E-09	1.51E-08	4.49E-09	3.46E-09	7.95E-09	5.08E-08	4.03E-08	9.11E-08
1596	650449.65	4195835.38	4.84E-08	3.95E-08	8.79E-08	8.02E-09	6.86E-09	1.49E-08	4.41E-09	3.40E-09	7.82E-09	4.99E-08	3.96E-08	8.96E-08
1597	650429.03	4195826.38	4.75E-08	3.88E-08	8.63E-08	7.87E-09	6.74E-09	1.46E-08	4.33E-09	3.34E-09	7.68E-09	4.90E-08	3.89E-08	8.80E-08
1598	650408.41	4195817.38	4.66E-08	3.81E-08	8.47E-08	7.73E-09	6.61E-09	1.43E-08	4.26E-09	3.28E-09	7.54E-09	4.81E-08	3.82E-08	8.64E-08
1599	650367.16	4195799.38	4.49E-08	3.67E-08	8.16E-08	7.45E-09	6.37E-09	1.38E-08	4.10E-09	3.16E-09	7.26E-09	4.64E-08	3.68E-08	8.32E-08
1600	650346.54	4195790.38	4.41E-08	3.60E-08	8.01E-08	7.31E-09	6.25E-09	1.36E-08	4.02E-09	3.10E-09	7.13E-09	4.55E-08	3.61E-08	8.17E-08
1601	650264.06	4195754.37	4.11E-08	3.35E-08	7.46E-08	6.81E-09	5.82E-09	1.26E-08	3.75E-09	2.89E-09	6.64E-09	4.24E-08	3.36E-08	7.60E-08
1602	650243.44	4195745.37	4.03E-08	3.29E-08	7.32E-08	6.68E-09	5.72E-09	1.24E-08	3.68E-09	2.84E-09	6.52E-09	4.16E-08	3.30E-08	7.46E-08
1603	650222.82	4195736.37	3.96E-08	3.23E-08	7.19E-08	6.56E-09	5.61E-09	1.22E-08	3.61E-09	2.78E-09	6.39E-09	4.08E-08	3.24E-08	7.32E-08
1604	650202.2	4195727.37	3.88E-08	3.17E-08	7.04E-08	6.43E-09	5.50E-09	1.19E-08	3.54E-09	2.73E-09	6.27E-09	4.00E-08	3.18E-08	7.18E-08
1605	650177.4	4195696.26	3.79E-08	3.10E-08	6.89E-08	6.29E-09	5.38E-09	1.17E-08	3.46E-09	2.67E-09	6.13E-09	3.92E-08	3.11E-08	7.02E-08
1606	650173.22	4195674.16	3.79E-08	3.09E-08	6.88E-08	6.28E-09	5.37E-09	1.16E-08	3.46E-09	2.67E-09	6.12E-09	3.91E-08	3.10E-08	7.01E-08
1607	650164.86	4195629.94	3.76E-08	3.07E-08	6.83E-08	6.23E-09	5.33E-09	1.16E-08	3.43E-09	2.64E-09	6.07E-09	3.88E-08	3.08E-08	6.96E-08
1608	650156.51	4195585.72	3.71E-08	3.03E-08	6.73E-08	6.14E-09	5.26E-09	1.14E-08	3.38E-09	2.61E-09	5.99E-09	3.83E-08	3.04E-08	6.86E-08
1609	650148.15	4195541.5	3.65E-08	2.98E-08	6.63E-08	6.05E-09	5.17E-09	1.12E-08	3.33E-09	2.57E-09	5.89E-09	3.77E-08	2.99E-08	6.75E-08
1610	650139.8	4195497.29	3.59E-08	2.93E-08	6.52E-08	5.95E-09	5.09E-09	1.10E-08	3.28E-09	2.53E-09	5.80E-09	3.70E-08	2.94E-08	6.65E-08
1611	650135.62	4195475.18	3.56E-08	2.91E-08	6.47E-08	5.91E-09	5.05E-09	1.10E-08	3.25E-09	2.51E-09	5.76E-09	3.68E-08	2.92E-08	6.60E-08
1612	650127.26	4195430.96	3.52E-08	2.88E-08	6.40E-08	5.84E-09	4.99E-09	1.08E-08	3.21E-09	2.48E-09	5.69E-09	3.64E-08	2.89E-08	6.52E-08
1613	650118.91	4195386.74	3.50E-08	2.86E-08	6.36E-08	5.80E-09	4.96E-09	1.08E-08	3.19E-09	2.46E-09	5.65E-09	3.61E-08	2.87E-08	6.48E-08
1614	650110.55	4195342.53	3.50E-08	2.86E-08	6.35E-08	5.79E-09	4.96E-09	1.08E-08	3.19E-09	2.46E-09	5.65E-09	3.61E-08	2.86E-08	6.47E-08
1615	650102.19	4195298.31	3.51E-08	2.87E-08	6.38E-08	5.82E-09	4.98E-09	1.08E-08	3.21E-09	2.47E-09	5.68E-09	3.63E-08	2.88E-08	6.51E-08
1616	650098.02	4195276.2	3.53E-08	2.88E-08	6.41E-08	5.85E-09	5.00E-09	1.09E-08	3.22E-09	2.48E-09	5.70E-09	3.64E-08	2.89E-08	6.53E-08
1617	650089.66	4195231.99	3.57E-08	2.91E-08	6.48E-08	5.91E-09	5.05E-09	1.10E-08	3.25E-09	2.51E-09	5.76E-09	3.68E-08	2.92E-08	6.60E-08
1618	650081.31	4195187.77	3.60E-08	2.94E-08	6.53E-08	5.96E-09	5.10E-09	1.11E-08	3.28E-09	2.53E-09	5.81E-09	3.71E-08	2.95E-08	6.66E-08
1619	650077.13	4195165.66	3.61E-08	2.94E-08	6.55E-08	5.98E-09	5.11E-09	1.11E-08	3.29E-09	2.54E-09	5.83E-09	3.72E-08	2.95E-08	6.67E-08
1620	650068.77	4195121.44	3.60E-08	2.94E-08	6.53E-08	5.96E-09	5.10E-09	1.11E-08	3.28E-09	2.53E-09	5.81E-09	3.71E-08	2.94E-08	6.66E-08
1621	650060.42	4195077.23	3.54E-08	2.89E-08	6.43E-08	5.87E-09	5.02E-09	1.09E-08	3.23E-09	2.49E-09	5.72E-09	3.65E-08	2.90E-08	6.55E-08
1622	650052.06	4195033.01	3.44E-08	2.81E-08	6.25E-08	5.70E-09	4.88E-09	1.06E-08	3.14E-09	2.42E-09	5.56E-09	3.55E-08	2.82E-08	6.37E-08
1623	650043.7	4194988.79	3.31E-08	2.71E-08	6.02E-08	5.49E-09	4.70E-09	1.02E-08	3.02E-09	2.33E-09	5.36E-09	3.42E-08	2.72E-08	6.14E-08
1624	650039.53	4194966.68	3.25E-08	2.65E-08	5.90E-08	5.38E-09	4.61E-09	9.99E-09	2.96E-09	2.29E-09	5.25E-09	3.35E-08	2.66E-08	6.01E-08
1625	650031.17	4194922.47	3.12E-08	2.55E-08	5.67E-08	5.18E-09	4.43E-09	9.60E-09	2.85E-09	2.20E-09	5.05E-09	3.22E-08	2.56E-08	5.78E-08
1626	650022.81	4194878.25	3.02E-08	2.47E-08	5.48E-08	5.00E-09	4.28E-09	9.28E-09	2.75E-09	2.12E-09	4.88E-09	3.12E-08	2.47E-08	5.59E-08
1627	650014.46	4194834.03	2.94E-08	2.40E-08	5.34E-08	4.87E-09	4.17E-09	9.04E-09	2.68E-09	2.07E-09	4.75E-09	3.03E-08	2.41E-08	5.44E-08
1628	650006.1	4194789.81	2.87E-08	2.35E-08	5.22E-08	4.76E-09	4.07E-09	8.84E-09	2.62E-09	2.02E-09	4.64E-09	2.97E-08	2.35E-08	5.32E-08
1629	650001.93	4194767.71	2.84E-08	2.32E-08	5.17E-08	4.71E-09	4.03E-09	8.75E-09	2.60E-09	2.00E-09	4.60E-09	2.94E-08	2.33E-08	5.27E-08
1630	649993.57	4194723.49	2.78E-08	2.27E-08	5.05E-08	4.60E-09	3.94E-09	8.54E-09	2.53E-09	1.95E-09	4.49E-09	2.87E-08	2.28E-08	5.14E-08
1631	649985.21	4194679.27	2.69E-08	2.20E-08	4.89E-08	4.46E-09	3.82E-09	8.28E-09	2.46E-09	1.89E-09	4.35E-09	2.78E-08	2.20E-08	4.98E-08
1632	649981.04	4194657.16	2.64E-08	2.15E-08	4.79E-08	4.37E-09	3.74E-09	8.11E-09	2.41E-09	1.86E-09	4.26E-09	2.72E-08	2.16E-08	4.88E-08
1633	649972.68	4194612.95	2.51E-08	2.05E-08	4.56E-08	4.16E-09	3.56E-09	7.72E-09	2.29E-09	1.77E-09	4.06E-09	2.59E-08	2.06E-08	4.65E-08
1634	649964.32	4194568.73	2.36E-08	1.93E-08	4.30E-08	3.92E-09	3.35E-09	7.27E-09	2.16E-09	1.66E-09	3.82E-09	2.44E-08	1.94E-08	4.38E-08
1635	651295.11	4196204.41	1.72E-08	1.41E-08	3.13E-08	2.86E-09	2.44E-09	5.30E-09	1.57E-09	1.21E-09	2.78E-09	1.78E-08	1.41E-08	3.19E-08
1636	651317.93	4196202.7	1.66E-08	1.36E-08	3.02E-08	2.76E-09	2.36E-09	5.12E-09	1.52E-09	1.17E-09	2.69E-09	1.72E-08	1.36E-08	3.08E-08
1637	651340.75	4196200.99	1.61E-08	1.31E-08	2.92E-08	2.67E-09	2.28E-09	4.95E-09	1.47E-09	1.13E-09	2.60E-09	1.66E-08	1.32E-08	2.98E-08
1638	651363.56	4196199.28	1.56E-08	1.27E-08	2.83E-08	2.58E-09	2.21E-09	4.79E-09	1.42E-09	1.10E-09	2.52E-09	1.61E-08	1.28E-08	2.88E-08
1639	651386.38	4196197.58	1.52E-08	1.24E-08	2.75E-08	2.51E-09	2.15E-09	4.66E-09	1.38E-09	1.07E-09	2.45E-09	1.56E-08	1.24E-08	2.81E-08
1640	651409.2	4196195.87	1.49E-08	1.21E-08	2.70E-08	2.46E-09	2.11E-09	4.57E-09	1.36E-09	1.05E-09	2.40E-09	1.53E-08	1.22E-08	2.75E-08
1641	651432.01	4196194.16	1.47E-08	1.20E-08	2.68E-08	2.44E-09	2.09E-09	4.53E-09	1.34E-09	1.04E-09	2.38E-09	1.52E-08	1.21E-08	2.73E-08
1642	651454.83	4196192.45	1.48E-08	1.20E-08	2.68E-08	2.45E-09	2.09E-09	4.54E-09	1.35E-09	1.04E-09	2.38E-09	1.52E-08	1.21E-08	2.73E-08
1643	651477.64	4196190.75	1.49E-08	1.22E-08	2.71E-08	2.48E-09	2.12E-09	4.59E-09	1.36E-09	1.05E-09	2.41E-09	1.54E-08	1.22E-08	2.76E-08
1644	651500.46	4196189.04	1.53E-08	1.25E-08	2.77E-08	2.53E-09	2.16E-09	4.69E-09	1.39E-09	1.07E-09	2.47E-09	1.58E-08	1.25E-08	2.83E-08
1645	651523.28	4196187.33	1.57E-08	1.28E-08	2.86E-08	2.61E-09	2.23E-09	4.83E-09	1.43E-09	1.11E-09	2.54E-09	1.62E-08	1.29E-08	2.91E-08
1646	651546.09	4196185.63	1.63E-08	1.33E-08	2.96E-08	2.70E-09	2.31E-09	5.00E-09	1.48E-09	1.15E-09	2.63E-09	1.68E-08	1.33E-08	3.01E-08
1647	651289.31	4196394.8	1.43E-08	1.17E-08	2.59E-08	2.37E-09	2.02E-09	4.39E-09	1.30E-09	1.00E-09	2.31E-09	1.47E-08	1.17E-08	2.64E-08
1648	651268.59	4196385.76	1.49E-08	1.21E-08	2.70E-08	2.46E-09	2.11E-09	4.57E-09	1.36E-09	1.05E-09	2.40E-09	1.53E-08	1.22E-08	2.75E-08
1649	651247.87	4196376.71	1.54E-08	1.26E-08	2.80E-08	2.55E-09	2.18E-09	4.74E-09	1.41E-09	1.08E-09	2.49E-09	1.59E-08	1.26E-08	2.85E-08
1650	651227.14	4196367.67	1.59E-08	1.30E-08	2.89E-08	2.63E-09	2.25E-09	4.89E-09	1.45E-09	1.12E-09	2.57E-09	1.64E-08	1.30E-08	2.94E-08
1651	651206.42	4196358.62	1.63E-08	1.33E-08	2.96E-08	2.70E-09	2.31E-09	5.01E-09	1.49E-09	1.15E-09	2.63E-09	1.68E-08	1.33E-08	3.02E-08
1652	651185.7	4196349.58	1.66E-08	1.36E-08	3.02E-08	2.75E-09	2.35E-09	5.11E-09	1.52E-09	1.17E-09	2.68E-09	1.71E-08	1.36E-08	3.07E-08
1653	651164.97	4196340.53	1.68E-08	1.38E-08	3.06E-08	2.79E-09	2.39E-09	5.18E-09	1.54E-09	1.18E-09	2.72E-09	1.74E-08	1.38E-08	3.12E-08
1654	651144.25	4196331.49	1.70E-08	1.39E-08	3.08E-08	2.81E-09	2.41E-09	5.22E-09	1.55E-09	1.19E-09	2.74E-09	1.75E-08	1.39E-08	3.14E-08
1655	651123.53	4196322.44	1.71E-08	1.39E-08	3.10E-08	2.83E-09	2.42E-09	5.25E-09	1.56E-09	1.20E-09	2.76E-09	1.76E-08	1.40E-08	3.16E-08

1656	651102.8	4196313.4	1.71E-08	1.40E-08	3.11E-08	2.84E-09	2.43E-09	5.26E-09	1.56E-09	1.20E-09	2.77E-09	1.77E-08	1.40E-08	3.17E-08
1657	651082.08	4196304.35	1.72E-08	1.40E-08	3.12E-08	2.84E-09	2.43E-09	5.28E-09	1.57E-09	1.21E-09	2.77E-09	1.77E-08	1.41E-08	3.18E-08
1658	651061.36	4196295.3	1.72E-08	1.41E-08	3.13E-08	2.86E-09	2.45E-09	5.30E-09	1.57E-09	1.21E-09	2.79E-09	1.78E-08	1.41E-08	3.19E-08
1659	651040.63	4196286.26	1.74E-08	1.42E-08	3.16E-08	2.89E-09	2.47E-09	5.36E-09	1.59E-09	1.23E-09	2.82E-09	1.80E-08	1.43E-08	3.23E-08
1660	651019.91	4196277.21	1.77E-08	1.45E-08	3.22E-08	2.94E-09	2.51E-09	5.45E-09	1.62E-09	1.25E-09	2.86E-09	1.83E-08	1.45E-08	3.28E-08
1661	650999.19	4196268.17	1.81E-08	1.48E-08	3.30E-08	3.01E-09	2.57E-09	5.58E-09	1.66E-09	1.28E-09	2.93E-09	1.87E-08	1.49E-08	3.36E-08
1662	650978.46	4196259.12	1.87E-08	1.53E-08	3.40E-08	3.11E-09	2.66E-09	5.76E-09	1.71E-09	1.32E-09	3.03E-09	1.93E-08	1.54E-08	3.47E-08
1663	650957.74	4196250.08	1.95E-08	1.59E-08	3.55E-08	3.23E-09	2.77E-09	6.00E-09	1.78E-09	1.37E-09	3.15E-09	2.01E-08	1.60E-08	3.61E-08
1664	650937.02	4196241.03	2.05E-08	1.67E-08	3.72E-08	3.39E-09	2.90E-09	6.30E-09	1.87E-09	1.44E-09	3.31E-09	2.11E-08	1.68E-08	3.79E-08
1665	650916.29	4196231.99	2.16E-08	1.76E-08	3.92E-08	3.58E-09	3.06E-09	6.64E-09	1.97E-09	1.52E-09	3.49E-09	2.23E-08	1.77E-08	4.00E-08
1666	650895.57	4196222.94	2.29E-08	1.87E-08	4.16E-08	3.79E-09	3.24E-09	7.03E-09	2.09E-09	1.61E-09	3.70E-09	2.36E-08	1.87E-08	4.23E-08
1667	650874.84	4196213.9	2.43E-08	1.98E-08	4.41E-08	4.03E-09	3.44E-09	7.47E-09	2.22E-09	1.71E-09	3.93E-09	2.51E-08	1.99E-08	4.50E-08
1668	650854.12	4196204.85	2.58E-08	2.11E-08	4.69E-08	4.28E-09	3.66E-09	7.94E-09	2.36E-09	1.82E-09	4.17E-09	2.67E-08	2.12E-08	4.78E-08
1669	650833.4	4196195.81	2.75E-08	2.24E-08	4.99E-08	4.55E-09	3.89E-09	8.44E-09	2.50E-09	1.93E-09	4.44E-09	2.83E-08	2.25E-08	5.08E-08
1670	650812.67	4196186.76	2.91E-08	2.38E-08	5.29E-08	4.83E-09	4.13E-09	8.96E-09	2.66E-09	2.05E-09	4.71E-09	3.01E-08	2.39E-08	5.40E-08
1671	650709.06	4196141.53	3.76E-08	3.07E-08	6.82E-08	6.22E-09	5.32E-09	1.15E-08	3.43E-09	2.64E-09	6.07E-09	3.88E-08	3.08E-08	6.95E-08
1672	650688.33	4196132.49	3.90E-08	3.18E-08	7.08E-08	6.46E-09	5.53E-09	1.20E-08	3.56E-09	2.74E-09	6.30E-09	4.02E-08	3.19E-08	7.22E-08
1673	650667.61	4196123.44	4.02E-08	3.29E-08	7.31E-08	6.67E-09	5.70E-09	1.24E-08	3.67E-09	2.83E-09	6.50E-09	4.15E-08	3.30E-08	7.45E-08
1674	650646.89	4196114.4	4.13E-08	3.37E-08	7.50E-08	6.85E-09	5.86E-09	1.27E-08	3.77E-09	2.91E-09	6.67E-09	4.26E-08	3.38E-08	7.65E-08
1675	650626.16	4196105.35	4.22E-08	3.44E-08	7.66E-08	6.99E-09	5.98E-09	1.30E-08	3.85E-09	2.97E-09	6.81E-09	4.35E-08	3.45E-08	7.80E-08
1676	650605.44	4196096.31	4.28E-08	3.50E-08	7.77E-08	7.09E-09	6.07E-09	1.32E-08	3.90E-09	3.01E-09	6.92E-09	4.42E-08	3.51E-08	7.92E-08
1677	650584.72	4196087.26	4.32E-08	3.53E-08	7.85E-08	7.16E-09	6.13E-09	1.33E-08	3.94E-09	3.04E-09	6.98E-09	4.46E-08	3.54E-08	8.00E-08
1678	650563.99	4196078.22	4.35E-08	3.55E-08	7.90E-08	7.21E-09	6.16E-09	1.34E-08	3.97E-09	3.06E-09	7.02E-09	4.49E-08	3.56E-08	8.05E-08
1679	650543.27	4196069.17	4.35E-08	3.56E-08	7.91E-08	7.22E-09	6.17E-09	1.34E-08	3.97E-09	3.06E-09	7.04E-09	4.49E-08	3.57E-08	8.06E-08
1680	650522.55	4196060.13	4.35E-08	3.55E-08	7.90E-08	7.20E-09	6.16E-09	1.34E-08	3.97E-09	3.06E-09	7.02E-09	4.49E-08	3.56E-08	8.05E-08
1681	650501.82	4196051.08	4.33E-08	3.53E-08	7.86E-08	7.17E-09	6.13E-09	1.33E-08	3.95E-09	3.04E-09	6.99E-09	4.47E-08	3.54E-08	8.01E-08
1682	650481.1	4196042.04	4.30E-08	3.51E-08	7.81E-08	7.13E-09	6.09E-09	1.32E-08	3.92E-09	3.02E-09	6.95E-09	4.44E-08	3.52E-08	7.96E-08
1683	650460.38	4196032.99	4.26E-08	3.48E-08	7.75E-08	7.07E-09	6.05E-09	1.31E-08	3.89E-09	3.00E-09	6.89E-09	4.40E-08	3.49E-08	7.89E-08
1684	650439.65	4196023.95	4.22E-08	3.45E-08	7.67E-08	7.00E-09	5.99E-09	1.30E-08	3.85E-09	2.97E-09	6.83E-09	4.36E-08	3.46E-08	7.82E-08
1685	650418.93	4196014.9	4.18E-08	3.41E-08	7.59E-08	6.93E-09	5.92E-09	1.29E-08	3.81E-09	2.94E-09	6.75E-09	4.31E-08	3.42E-08	7.74E-08
1686	650398.21	4196005.86	4.13E-08	3.37E-08	7.50E-08	6.84E-09	5.85E-09	1.27E-08	3.77E-09	2.90E-09	6.67E-09	4.26E-08	3.38E-08	7.64E-08
1687	650377.48	4195996.81	4.07E-08	3.33E-08	7.40E-08	6.75E-09	5.78E-09	1.25E-08	3.72E-09	2.87E-09	6.58E-09	4.21E-08	3.34E-08	7.54E-08
1688	650356.76	4195987.76	4.02E-08	3.28E-08	7.30E-08	6.66E-09	5.69E-09	1.24E-08	3.66E-09	2.83E-09	6.49E-09	4.15E-08	3.29E-08	7.44E-08
1689	650336.04	4195978.72	3.95E-08	3.23E-08	7.18E-08	6.56E-09	5.61E-09	1.22E-08	3.61E-09	2.78E-09	6.39E-09	4.08E-08	3.24E-08	7.32E-08
1690	650315.31	4195969.67	3.89E-08	3.18E-08	7.07E-08	6.45E-09	5.52E-09	1.20E-08	3.55E-09	2.74E-09	6.29E-09	4.02E-08	3.19E-08	7.20E-08
1691	650294.59	4195960.63	3.83E-08	3.12E-08	6.95E-08	6.34E-09	5.42E-09	1.18E-08	3.49E-09	2.69E-09	6.18E-09	3.95E-08	3.13E-08	7.08E-08
1692	650273.87	4195951.58	3.76E-08	3.07E-08	6.83E-08	6.23E-09	5.33E-09	1.16E-08	3.43E-09	2.65E-09	6.08E-09	3.88E-08	3.08E-08	6.96E-08
1693	650253.14	4195942.54	3.70E-08	3.02E-08	6.72E-08	6.13E-09	5.24E-09	1.14E-08	3.37E-09	2.60E-09	5.98E-09	3.82E-08	3.03E-08	6.85E-08
1694	650232.42	4195933.49	3.64E-08	2.97E-08	6.61E-08	6.03E-09	5.16E-09	1.12E-08	3.32E-09	2.56E-09	5.88E-09	3.76E-08	2.98E-08	6.74E-08
1695	650211.69	4195924.45	3.58E-08	2.93E-08	6.51E-08	5.94E-09	5.08E-09	1.10E-08	3.27E-09	2.52E-09	5.79E-09	3.70E-08	2.93E-08	6.63E-08
1696	650190.97	4195915.4	3.53E-08	2.88E-08	6.41E-08	5.85E-09	5.00E-09	1.09E-08	3.22E-09	2.48E-09	5.70E-09	3.64E-08	2.89E-08	6.53E-08
1697	650170.25	4195906.36	3.48E-08	2.84E-08	6.32E-08	5.76E-09	4.93E-09	1.07E-08	3.17E-09	2.45E-09	5.62E-09	3.59E-08	2.85E-08	6.44E-08
1698	650149.52	4195897.31	3.43E-08	2.80E-08	6.23E-08	5.68E-09	4.86E-09	1.05E-08	3.13E-09	2.41E-09	5.54E-09	3.54E-08	2.81E-08	6.35E-08
1699	650128.8	4195888.27	3.38E-08	2.76E-08	6.14E-08	5.60E-09	4.79E-09	1.04E-08	3.08E-09	2.38E-09	5.46E-09	3.49E-08	2.77E-08	6.26E-08
1700	650108.08	4195879.22	3.33E-08	2.72E-08	6.05E-08	5.52E-09	4.72E-09	1.02E-08	3.04E-09	2.34E-09	5.38E-09	3.44E-08	2.73E-08	6.17E-08
1701	650087.35	4195870.18	3.28E-08	2.68E-08	5.96E-08	5.44E-09	4.65E-09	1.01E-08	2.99E-09	2.31E-09	5.30E-09	3.39E-08	2.69E-08	6.08E-08
1702	650066.63	4195861.13	3.23E-08	2.64E-08	5.87E-08	5.35E-09	4.58E-09	9.93E-09	2.95E-09	2.27E-09	5.22E-09	3.33E-08	2.65E-08	5.98E-08
1703	650045.91	4195852.09	3.18E-08	2.59E-08	5.77E-08	5.26E-09	4.50E-09	9.77E-09	2.90E-09	2.23E-09	5.13E-09	3.28E-08	2.60E-08	5.88E-08
1704	650020.99	4195820.82	3.12E-08	2.55E-08	5.66E-08	5.17E-09	4.42E-09	9.59E-09	2.84E-09	2.19E-09	5.04E-09	3.22E-08	2.55E-08	5.77E-08
1705	650016.79	4195798.6	3.11E-08	2.54E-08	5.65E-08	5.16E-09	4.41E-09	9.57E-09	2.84E-09	2.19E-09	5.03E-09	3.21E-08	2.55E-08	5.76E-08
1706	650008.39	4195754.17	3.09E-08	2.52E-08	5.61E-08	5.12E-09	4.38E-09	9.49E-09	2.82E-09	2.17E-09	4.99E-09	3.19E-08	2.53E-08	5.71E-08
1707	649999.99	4195709.73	3.05E-08	2.49E-08	5.53E-08	5.05E-09	4.32E-09	9.37E-09	2.78E-09	2.14E-09	4.92E-09	3.14E-08	2.50E-08	5.64E-08
1708	649991.6	4195665.29	3.00E-08	2.45E-08	5.45E-08	4.97E-09	4.25E-09	9.23E-09	2.74E-09	2.11E-09	4.85E-09	3.10E-08	2.46E-08	5.55E-08
1709	649987.4	4195643.08	2.98E-08	2.43E-08	5.41E-08	4.93E-09	4.22E-09	9.15E-09	2.72E-09	2.09E-09	4.81E-09	3.07E-08	2.44E-08	5.51E-08
1710	649979	4195598.64	2.93E-08	2.39E-08	5.33E-08	4.86E-09	4.16E-09	9.02E-09	2.68E-09	2.06E-09	4.74E-09	3.03E-08	2.40E-08	5.43E-08
1711	649970.6	4195554.2	2.90E-08	2.37E-08	5.26E-08	4.80E-09	4.11E-09	8.91E-09	2.64E-09	2.04E-09	4.68E-09	2.99E-08	2.37E-08	5.36E-08
1712	649962.2	4195509.77	2.87E-08	2.35E-08	5.22E-08	4.76E-09	4.07E-09	8.84E-09	2.62E-09	2.02E-09	4.64E-09	2.97E-08	2.35E-08	5.32E-08
1713	649958.01	4195487.55	2.87E-08	2.34E-08	5.21E-08	4.75E-09	4.06E-09	8.81E-09	2.61E-09	2.02E-09	4.63E-09	2.96E-08	2.35E-08	5.31E-08
1714	649949.61	4195443.11	2.86E-08	2.34E-08	5.20E-08	4.74E-09	4.06E-09	8.80E-09	2.61E-09	2.01E-09	4.62E-09	2.95E-08	2.34E-08	5.30E-08
1715	649941.21	4195398.68	2.87E-08	2.34E-08	5.21E-08	4.76E-09	4.07E-09	8.83E-09	2.62E-09	2.02E-09	4.64E-09	2.96E-08	2.35E-08	5.31E-08
1716	649932.81	4195354.24	2.89E-08	2.36E-08	5.25E-08	4.79E-09	4.10E-09	8.89E-09	2.64E-09	2.03E-09	4.67E-09	2.98E-08	2.37E-08	5.35E-08
1717	649924.42	4195309.8	2.92E-08	2.38E-08	5.30E-08	4.84E-09	4.14E-09	8.98E-09	2.66E-09	2.05E-09	4.72E-09	3.01E-08	2.39E-08	5.41E-08
1718	649920.22	4195287.58	2.94E-08	2.40E-08	5.33E-08	4.87E-09	4.16E-09	9.03E-09	2.68E-09	2.07E-09	4.74E-09	3.03E-08	2.41E-08	5.44E-08
1719	649911.82	4195243.15	2.97E-08	2.42E-08	5.39E-08	4.92E-09	4.20E-09	9.12E-09	2.71E-09	2.09E-09	4.79E-09	3.06E-08	2.43E-08	5.49E-08
1720	649903.42	4195198.71	2.98E-08	2.43E-08	5.41E-08	4.94E-09	4.22E-09	9.16E-09	2.72E-09	2.10E-09	4.81E-09	3.07E-08	2.44E-08	5.51E-08
1721	649895.03	4195154.28	2.97E-08	2.42E-08	5.39E-08	4.92E-09	4.20E-09	9.12E-09	2.71E-09	2.09E-09	4.79E-09	3.06E-08	2.43E-08	5.49E-08
1722	649890.83	4195132.06	2.95E-08	2.41E-08	5.35E-08	4.88E-09	4.18E-09	9.06E-09	2.69E-09	2.07E-09	4.76E-09	3.04E-08	2.41E-08	5.45E-08
1723	649882.43	4195087.62	2.88E-08	2.35E-08	5.23E-08	4.77E-09	4.08E-09	8.85E-09	2.63E-09	2.03E-09	4.65E-09	2.97E-08	2.36E-08	5.33E-08
1724	649874.03	4195043.18	2.78E-08	2.27E-08	5.06E-08	4.61E-09	3.95E-09	8.56E-09	2.54E-09	1.96E-09	4.50E-09	2.87E-08	2.28E-08	5.15E-08
1725	649865.64	4194998.75	2.68E-08	2.19E-08	4.86E-08	4.44E-09	3.79E-09	8.23E-09	2.44E-09	1.88E-09	4.33E-09	2.76E-08	2.19E-08	4.96E-08
1726	649857.24	4194954.31	2.58E-08	2.10E-08	4.68E-08	4.27E-09	3.65E-09	7.92E-09	2.35E-09	1.81E-09	4.16E-09	2.66E-08	2.11E-08	4.77E-08
1727	649853.04	4194932.09	2.53E-08	2.07E-08	4.60E-08	4.20E-09	3.59E-09	7.79E-09	2.31E-09	1.78E-09	4.09E-09	2.62E-08	2.08E-08	4.69E-08
1728	649844.64	4194887.66	2.47E-08	2.01E-08	4.48E-08	4.09E-09	3.50E-09	7.59E-09	2.25E-09	1.74E-09	3.99E-09	2.55E-08	2.02E-08	4.57E-08
1729	649836.25	4194843.22	2.42E-08	1.98E-08	4.40E-08	4.01E-09	3.43E-09	7.45E-09	2.21E-09	1.70E-09	3.91E-09	2.50E-08	1.98E-08	4.48E-08
1730	649827.85	4194798.78	2.39E-08	1.95E-08	4.34E-08	3.96E-09	3.39E-09	7.35E-09	2.18E-09	1.68E-09	3.86E-09	2.47E-08	1.96E-08	4.42E-08
1731	649823.65	4194776.57	2.37E-08	1.94E-08	4.31E-08	3.93E-09	3.36E-09	7.30E-09	2.16E-09	1.67E-09	3.83E-09	2.45E-08	1.94E-08	4.39E-08
1732	649815.25	4194732.13	2.33E-08	1.91E-08	4.24E-08	3.87E-09	3.31E-09	7.18E-09	2.13E-09	1.64E-09	3.77E-09	2.41E-08	1.91E-08	4.32E-08
1733	649806.86	4194687.69	2.28E-08	1.86E-08	4.14E-08	3.78E-09	3.23E-09	7.01E-09	2.08E-09	1.60E-09	3.68E-09	2.35E-08	1.87E-08	4.22E-08
1734	649798.46	4194643.26	2.20E-08	1.80E-08	4.00E-08	3.65E-09	3.12E-09	6.77E-09	2.01E-09	1.55E-09	3.56E-09	2.27E-08	1.80E-08	4.08E-08

1735	649794.26	4194621.04	2.15E-08	1.76E-08	3.91E-08	3.57E-09	3.05E-09	6.63E-09	1.97E-09	1.52E-09	3.48E-09	2.22E-08	1.76E-08	3.99E-08
1736	649785.86	4194576.6	2.05E-08	1.67E-08	3.72E-08	3.40E-09	2.90E-09	6.30E-09	1.87E-09	1.44E-09	3.31E-09	2.11E-08	1.68E-08	3.79E-08
1737	649777.47	4194532.16	1.94E-08	1.58E-08	3.52E-08	3.21E-09	2.74E-09	5.95E-09	1.77E-09	1.36E-09	3.13E-09	2.00E-08	1.59E-08	3.58E-08
1738	651310.04	4196403.85	1.37E-08	1.12E-08	2.49E-08	2.27E-09	1.94E-09	4.21E-09	1.25E-09	9.63E-10	2.21E-09	1.41E-08	1.12E-08	2.53E-08
1739	651332.85	4196402.14	1.32E-08	1.08E-08	2.40E-08	2.19E-09	1.87E-09	4.06E-09	1.20E-09	9.29E-10	2.13E-09	1.36E-08	1.08E-08	2.44E-08
1740	651355.67	4196400.43	1.28E-08	1.04E-08	2.32E-08	2.12E-09	1.81E-09	3.92E-09	1.16E-09	8.98E-10	2.06E-09	1.32E-08	1.05E-08	2.36E-08
1741	651378.49	4196398.73	1.24E-08	1.01E-08	2.25E-08	2.05E-09	1.76E-09	3.81E-09	1.13E-09	8.72E-10	2.00E-09	1.28E-08	1.01E-08	2.29E-08
1742	651401.3	4196397.02	1.21E-08	9.88E-09	2.20E-08	2.00E-09	1.71E-09	3.72E-09	1.10E-09	8.51E-10	1.95E-09	1.25E-08	9.91E-09	2.24E-08
1743	651424.12	4196395.31	1.19E-08	9.74E-09	2.17E-08	1.98E-09	1.69E-09	3.67E-09	1.09E-09	8.39E-10	1.93E-09	1.23E-08	9.77E-09	2.21E-08
1744	651446.94	4196393.6	1.19E-08	9.69E-09	2.16E-08	1.97E-09	1.68E-09	3.65E-09	1.08E-09	8.35E-10	1.92E-09	1.23E-08	9.72E-09	2.20E-08
1745	651469.75	4196391.9	1.19E-08	9.74E-09	2.17E-08	1.98E-09	1.69E-09	3.67E-09	1.09E-09	8.39E-10	1.93E-09	1.23E-08	9.77E-09	2.21E-08
1746	651492.57	4196390.19	1.21E-08	9.89E-09	2.20E-08	2.01E-09	1.72E-09	3.72E-09	1.10E-09	8.52E-10	1.96E-09	1.25E-08	9.92E-09	2.24E-08
1747	651515.38	4196388.48	1.24E-08	1.01E-08	2.25E-08	2.05E-09	1.76E-09	3.81E-09	1.13E-09	8.72E-10	2.00E-09	1.28E-08	1.01E-08	2.29E-08
1748	651538.2	4196386.78	1.28E-08	1.04E-08	2.32E-08	2.11E-09	1.81E-09	3.92E-09	1.16E-09	8.97E-10	2.06E-09	1.32E-08	1.04E-08	2.36E-08

			T2		T3L3		T4		T2Revised	
			363	651616.43						
			5.60E-03	4.95E-03	9.28E-04	8.60E-04	5.11E-04	4.27E-04	5.78E-03	4.97E-03
	UTM X	UTM Y	Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2
1	651522.68	4194836.21	3.97E-03	3.51E-03	6.58E-04	6.09E-04	3.62E-04	3.02E-04	4.10E-03	3.52E-03
2	651528.84	4194868.8	2.26E-03	1.99E-03	3.74E-04	3.46E-04	2.06E-04	1.72E-04	2.33E-03	2.00E-03
3	651582.79	4194800.3	3.00E-03	2.65E-03	4.98E-04	4.61E-04	2.74E-04	2.29E-04	3.10E-03	2.66E-03
4	651575.45	4194850.02	1.97E-03	1.74E-03	3.26E-04	3.02E-04	1.80E-04	1.50E-04	2.03E-03	1.75E-03
5	651602.43	4194815.76	2.20E-03	1.95E-03	3.65E-04	3.38E-04	2.01E-04	1.68E-04	2.27E-03	1.95E-03
6	651595.09	4194865.49	1.48E-03	1.31E-03	2.45E-04	2.27E-04	1.35E-04	1.13E-04	1.53E-03	1.31E-03
7	651622.07	4194831.23	1.68E-03	1.48E-03	2.78E-04	2.58E-04	1.53E-04	1.28E-04	1.73E-03	1.49E-03
8	651607.4	4194930.68	7.80E-04	6.90E-04	1.29E-04	1.20E-04	7.11E-05	5.94E-05	8.05E-04	6.92E-04
9	651634.38	4194896.42	9.34E-04	8.26E-04	1.55E-04	1.43E-04	8.52E-05	7.12E-05	9.64E-04	8.29E-04
10	651661.35	4194862.17	1.07E-03	9.47E-04	1.78E-04	1.64E-04	9.78E-05	8.16E-05	1.11E-03	9.50E-04
11	651588.44	4195022.46	3.91E-04	3.46E-04	6.48E-05	6.00E-05	3.57E-05	2.98E-05	4.04E-04	3.47E-04
12	651619.7	4194995.87	4.57E-04	4.04E-04	7.58E-05	7.02E-05	4.17E-05	3.48E-05	4.72E-04	4.05E-04
13	651646.68	4194961.61	5.54E-04	4.90E-04	9.19E-05	8.51E-05	5.06E-05	4.22E-05	5.72E-04	4.92E-04
14	651673.66	4194927.36	6.52E-04	5.76E-04	1.08E-04	1.00E-04	5.94E-05	4.96E-05	6.72E-04	5.78E-04
15	651700.63	4194893.1	7.44E-04	6.58E-04	1.23E-04	1.14E-04	6.79E-05	5.67E-05	7.68E-04	6.60E-04
16	651627.72	4195053.39	3.04E-04	2.69E-04	5.04E-05	4.67E-05	2.77E-05	2.32E-05	3.14E-04	2.70E-04
17	651592.17	4195072.32	2.78E-04	2.46E-04	4.61E-05	4.27E-05	2.54E-05	2.12E-05	2.87E-04	2.47E-04
18	651658.98	4195026.8	3.51E-04	3.11E-04	5.83E-05	5.40E-05	3.21E-05	2.68E-05	3.63E-04	3.12E-04
19	651685.96	4194992.55	4.20E-04	3.71E-04	6.96E-05	6.44E-05	3.83E-05	3.20E-05	4.33E-04	3.72E-04
20	651712.94	4194958.29	4.86E-04	4.30E-04	8.06E-05	7.46E-05	4.44E-05	3.70E-05	5.02E-04	4.31E-04
21	651739.91	4194924.04	5.50E-04	4.86E-04	9.11E-05	8.44E-05	5.01E-05	4.19E-05	5.67E-04	4.87E-04
22	651667	4195084.33	2.45E-04	2.16E-04	4.05E-05	3.75E-05	2.23E-05	1.86E-05	2.52E-04	2.17E-04
23	651631.45	4195103.25	2.24E-04	1.98E-04	3.71E-05	3.44E-05	2.04E-05	1.71E-05	2.31E-04	1.99E-04
24	651595.9	4195122.18	2.10E-04	1.85E-04	3.47E-05	3.22E-05	1.91E-05	1.60E-05	2.16E-04	1.86E-04
25	651698.26	4195057.74	2.81E-04	2.48E-04	4.66E-05	4.31E-05	2.56E-05	2.14E-05	2.90E-04	2.49E-04
26	651725.24	4195023.48	3.32E-04	2.94E-04	5.50E-05	5.10E-05	3.03E-05	2.53E-05	3.43E-04	2.94E-04
27	651752.22	4194989.23	3.80E-04	3.36E-04	6.30E-05	5.84E-05	3.47E-05	2.90E-05	3.93E-04	3.37E-04
28	651779.19	4194954.97	4.25E-04	3.76E-04	7.04E-05	6.52E-05	3.88E-05	3.24E-05	4.38E-04	3.77E-04
29	651744.38	4195146.83	1.71E-04	1.51E-04	2.83E-05	2.62E-05	1.56E-05	1.30E-05	1.76E-04	1.51E-04
30	651706.46	4195167.02	1.55E-04	1.37E-04	2.57E-05	2.38E-05	1.41E-05	1.18E-05	1.60E-04	1.37E-04
31	651668.54	4195187.2	1.44E-04	1.27E-04	2.38E-05	2.21E-05	1.31E-05	1.10E-05	1.48E-04	1.28E-04
32	651630.62	4195207.39	1.39E-04	1.23E-04	2.30E-05	2.13E-05	1.26E-05	1.06E-05	1.43E-04	1.23E-04
33	651592.7	4195227.58	1.37E-04	1.21E-04	2.27E-05	2.10E-05	1.25E-05	1.04E-05	1.41E-04	1.21E-04
34	651776.82	4195119.61	1.95E-04	1.73E-04	3.24E-05	3.00E-05	1.78E-05	1.49E-05	2.01E-04	1.73E-04
35	651803.8	4195085.35	2.27E-04	2.01E-04	3.77E-05	3.49E-05	2.07E-05	1.73E-05	2.34E-04	2.01E-04
36	651830.78	4195051.1	2.56E-04	2.26E-04	4.24E-05	3.93E-05	2.33E-05	1.95E-05	2.64E-04	2.27E-04
37	651857.76	4195016.85	2.80E-04	2.48E-04	4.64E-05	4.30E-05	2.55E-05	2.13E-05	2.89E-04	2.48E-04
38	651823.19	4195208.57	1.29E-04	1.14E-04	2.14E-05	1.98E-05	1.18E-05	9.83E-06	1.33E-04	1.14E-04
39	651785.77	4195228.49	1.17E-04	1.03E-04	1.94E-05	1.79E-05	1.07E-05	8.90E-06	1.21E-04	1.04E-04
40	651748.35	4195248.41	1.07E-04	9.49E-05	1.78E-05	1.65E-05	9.79E-06	8.17E-06	1.11E-04	9.51E-05
41	651710.92	4195268.33	1.02E-04	8.98E-05	1.68E-05	1.56E-05	9.26E-06	7.73E-06	1.05E-04	9.00E-05
42	651673.5	4195288.25	9.98E-05	8.83E-05	1.65E-05	1.53E-05	9.11E-06	7.60E-06	1.03E-04	8.85E-05
43	651636.08	4195308.17	1.01E-04	8.91E-05	1.67E-05	1.55E-05	9.19E-06	7.67E-06	1.04E-04	8.93E-05
44	651598.66	4195328.09	1.02E-04	9.00E-05	1.69E-05	1.56E-05	9.29E-06	7.76E-06	1.05E-04	9.03E-05
45	651855.39	4195181.48	1.46E-04	1.29E-04	2.43E-05	2.25E-05	1.34E-05	1.12E-05	1.51E-04	1.30E-04
46	651882.36	4195147.23	1.68E-04	1.49E-04	2.78E-05	2.58E-05	1.53E-05	1.28E-05	1.73E-04	1.49E-04
47	651909.34	4195112.97	1.87E-04	1.65E-04	3.10E-05	2.87E-05	1.70E-05	1.42E-05	1.93E-04	1.66E-04
48	651936.32	4195078.72	2.02E-04	1.78E-04	3.34E-05	3.10E-05	1.84E-05	1.54E-05	2.08E-04	1.79E-04
49	651901.91	4195270.35	1.03E-04	9.09E-05	1.70E-05	1.58E-05	9.38E-06	7.83E-06	1.06E-04	9.12E-05
50	651864.82	4195290.1	9.33E-05	8.25E-05	1.55E-05	1.43E-05	8.52E-06	7.11E-06	9.63E-05	8.28E-05
51	651827.72	4195309.85	8.52E-05	7.53E-05	1.41E-05	1.31E-05	7.77E-06	6.49E-06	8.79E-05	7.55E-05
52	651790.62	4195329.6	7.92E-05	7.00E-05	1.31E-05	1.22E-05	7.22E-06	6.03E-06	8.17E-05	7.02E-05
53	651753.53	4195349.34	7.60E-05	6.72E-05	1.26E-05	1.17E-05	6.93E-06	5.79E-06	7.84E-05	6.74E-05
54	651716.43	4195369.09	7.57E-05	6.69E-05	1.25E-05	1.16E-05	6.91E-06	5.77E-06	7.81E-05	6.71E-05
55	651679.34	4195388.84	7.74E-05	6.84E-05	1.28E-05	1.19E-05	7.06E-06	5.90E-06	7.99E-05	6.86E-05
56	651642.24	4195408.59	7.95E-05	7.03E-05	1.32E-05	1.22E-05	7.26E-06	6.06E-06	8.21E-05	7.05E-05

57	651605.15	4195428.33	8.03E-05	7.10E-05	1.33E-05	1.23E-05	7.33E-06	6.12E-06	8.29E-05	7.12E-05
58	651568.05	4195448.08	7.86E-05	6.95E-05	1.30E-05	1.21E-05	7.17E-06	5.99E-06	8.11E-05	6.97E-05
59	651530.96	4195467.83	7.44E-05	6.58E-05	1.23E-05	1.14E-05	6.79E-06	5.67E-06	7.68E-05	6.60E-05
60	651933.95	4195243.35	1.15E-04	1.02E-04	1.91E-05	1.77E-05	1.05E-05	8.79E-06	1.19E-04	1.02E-04
61	651960.92	4195209.1	1.31E-04	1.16E-04	2.17E-05	2.01E-05	1.19E-05	9.95E-06	1.35E-04	1.16E-04
62	651987.9	4195174.84	1.44E-04	1.27E-04	2.39E-05	2.21E-05	1.31E-05	1.10E-05	1.49E-04	1.28E-04
63	652014.88	4195140.59	1.54E-04	1.36E-04	2.55E-05	2.36E-05	1.41E-05	1.17E-05	1.59E-04	1.37E-04
64	651979.88	4195332.54	8.48E-05	7.50E-05	1.41E-05	1.30E-05	7.74E-06	6.46E-06	8.75E-05	7.52E-05
65	651941.59	4195352.92	7.72E-05	6.83E-05	1.28E-05	1.19E-05	7.04E-06	5.88E-06	7.97E-05	6.85E-05
66	651903.31	4195373.3	7.02E-05	6.21E-05	1.16E-05	1.08E-05	6.41E-06	5.35E-06	7.25E-05	6.23E-05
67	651865.03	4195393.68	6.45E-05	5.70E-05	1.07E-05	9.90E-06	5.88E-06	4.91E-06	6.66E-05	5.72E-05
68	651826.74	4195414.06	6.07E-05	5.36E-05	1.01E-05	9.31E-06	5.53E-06	4.62E-06	6.26E-05	5.38E-05
69	651788.46	4195434.44	5.92E-05	5.24E-05	9.82E-06	9.09E-06	5.40E-06	4.51E-06	6.11E-05	5.25E-05
70	651750.17	4195454.82	6.02E-05	5.32E-05	9.97E-06	9.24E-06	5.49E-06	4.58E-06	6.21E-05	5.34E-05
71	651711.89	4195475.21	6.25E-05	5.53E-05	1.04E-05	9.60E-06	5.70E-06	4.76E-06	6.45E-05	5.54E-05
72	651673.6	4195495.59	6.48E-05	5.73E-05	1.07E-05	9.94E-06	5.91E-06	4.93E-06	6.68E-05	5.74E-05
73	651635.32	4195515.97	6.57E-05	5.81E-05	1.09E-05	1.01E-05	6.00E-06	5.01E-06	6.78E-05	5.83E-05
74	651597.03	4195536.35	6.47E-05	5.72E-05	1.07E-05	9.93E-06	5.90E-06	4.93E-06	6.67E-05	5.74E-05
75	651558.75	4195556.73	6.15E-05	5.44E-05	1.02E-05	9.45E-06	5.61E-06	4.69E-06	6.35E-05	5.46E-05
76	652012.51	4195305.22	9.43E-05	8.34E-05	1.56E-05	1.45E-05	8.60E-06	7.18E-06	9.73E-05	8.36E-05
77	652039.49	4195270.97	1.05E-04	9.31E-05	1.75E-05	1.62E-05	9.61E-06	8.02E-06	1.09E-04	9.34E-05
78	652066.46	4195236.72	1.15E-04	1.02E-04	1.91E-05	1.77E-05	1.05E-05	8.76E-06	1.19E-04	1.02E-04
79	652093.44	4195202.46	1.23E-04	1.09E-04	2.03E-05	1.88E-05	1.12E-05	9.35E-06	1.27E-04	1.09E-04
80	652137.32	4195456.11	6.19E-05	5.48E-05	1.03E-05	9.51E-06	5.65E-06	4.72E-06	6.39E-05	5.49E-05
81	652099.68	4195476.15	5.75E-05	5.09E-05	9.54E-06	8.83E-06	5.25E-06	4.38E-06	5.94E-05	5.10E-05
82	652062.04	4195496.19	5.31E-05	4.69E-05	8.80E-06	8.15E-06	4.84E-06	4.04E-06	5.48E-05	4.71E-05
83	652024.4	4195516.23	4.87E-05	4.31E-05	8.08E-06	7.48E-06	4.45E-06	3.71E-06	5.03E-05	4.32E-05
84	651986.76	4195536.27	4.48E-05	3.96E-05	7.43E-06	6.88E-06	4.09E-06	3.41E-06	4.62E-05	3.97E-05
85	651949.12	4195556.3	4.18E-05	3.69E-05	6.92E-06	6.41E-06	3.81E-06	3.18E-06	4.31E-05	3.70E-05
86	651911.48	4195576.34	4.01E-05	3.54E-05	6.64E-06	6.15E-06	3.66E-06	3.05E-06	4.13E-05	3.55E-05
87	651873.84	4195596.38	3.99E-05	3.52E-05	6.61E-06	6.12E-06	3.64E-06	3.04E-06	4.11E-05	3.54E-05
88	651836.19	4195616.42	4.10E-05	3.63E-05	6.80E-06	6.30E-06	3.74E-06	3.12E-06	4.23E-05	3.64E-05
89	651798.55	4195636.46	4.30E-05	3.80E-05	7.13E-06	6.60E-06	3.92E-06	3.28E-06	4.44E-05	3.81E-05
90	651685.63	4195696.57	4.75E-05	4.20E-05	7.87E-06	7.29E-06	4.33E-06	3.62E-06	4.90E-05	4.21E-05
91	651647.99	4195716.61	4.70E-05	4.15E-05	7.79E-06	7.21E-06	4.29E-06	3.58E-06	4.85E-05	4.17E-05
92	651572.71	4195756.68	4.24E-05	3.75E-05	7.04E-06	6.52E-06	3.87E-06	3.23E-06	4.38E-05	3.76E-05
93	651535.07	4195776.72	3.91E-05	3.46E-05	6.48E-06	6.00E-06	3.57E-06	2.98E-06	4.04E-05	3.47E-05
94	652169.63	4195428.97	6.73E-05	5.95E-05	1.11E-05	1.03E-05	6.14E-06	5.12E-06	6.94E-05	5.97E-05
95	652196.61	4195394.71	7.37E-05	6.52E-05	1.22E-05	1.13E-05	6.72E-06	5.61E-06	7.61E-05	6.54E-05
96	652223.59	4195360.46	7.97E-05	7.05E-05	1.32E-05	1.22E-05	7.27E-06	6.07E-06	8.23E-05	7.07E-05
97	652250.56	4195326.2	8.48E-05	7.50E-05	1.41E-05	1.30E-05	7.73E-06	6.46E-06	8.75E-05	7.52E-05
98	652294.19	4195579.99	4.78E-05	4.23E-05	7.93E-06	7.34E-06	4.36E-06	3.64E-06	4.94E-05	4.24E-05
99	652256.04	4195600.3	4.52E-05	4.00E-05	7.49E-06	6.94E-06	4.12E-06	3.44E-06	4.66E-05	4.01E-05
100	652217.89	4195620.61	4.24E-05	3.75E-05	7.03E-06	6.51E-06	3.87E-06	3.23E-06	4.38E-05	3.76E-05
101	652179.74	4195640.92	3.95E-05	3.49E-05	6.55E-06	6.06E-06	3.60E-06	3.01E-06	4.08E-05	3.50E-05
102	652141.59	4195661.23	3.65E-05	3.23E-05	6.05E-06	5.60E-06	3.33E-06	2.78E-06	3.77E-05	3.24E-05
103	652103.44	4195681.54	3.36E-05	2.97E-05	5.57E-06	5.16E-06	3.06E-06	2.56E-06	3.47E-05	2.98E-05
104	652065.28	4195701.85	3.12E-05	2.75E-05	5.16E-06	4.78E-06	2.84E-06	2.37E-06	3.22E-05	2.76E-05
105	652027.13	4195722.16	2.96E-05	2.62E-05	4.90E-06	4.54E-06	2.70E-06	2.25E-06	3.05E-05	2.62E-05
106	651988.98	4195742.47	2.90E-05	2.56E-05	4.80E-06	4.45E-06	2.64E-06	2.21E-06	2.99E-05	2.57E-05
107	651874.53	4195803.4	3.23E-05	2.85E-05	5.35E-06	4.95E-06	2.94E-06	2.46E-06	3.33E-05	2.86E-05
108	651836.38	4195823.71	3.39E-05	3.00E-05	5.61E-06	5.20E-06	3.09E-06	2.58E-06	3.50E-05	3.00E-05
109	651798.23	4195844.02	3.52E-05	3.12E-05	5.84E-06	5.41E-06	3.22E-06	2.69E-06	3.64E-05	3.13E-05
110	651760.08	4195864.33	3.62E-05	3.20E-05	6.00E-06	5.56E-06	3.30E-06	2.76E-06	3.74E-05	3.21E-05
111	651721.93	4195884.64	3.65E-05	3.23E-05	6.05E-06	5.60E-06	3.33E-06	2.78E-06	3.77E-05	3.24E-05
112	651683.77	4195904.95	3.60E-05	3.18E-05	5.96E-06	5.52E-06	3.28E-06	2.74E-06	3.71E-05	3.19E-05
113	651645.62	4195925.25	3.47E-05	3.06E-05	5.74E-06	5.32E-06	3.16E-06	2.64E-06	3.58E-05	3.07E-05
114	651569.32	4195965.87	3.02E-05	2.67E-05	5.00E-06	4.63E-06	2.75E-06	2.30E-06	3.11E-05	2.68E-05
115	652326.76	4195552.71	5.12E-05	4.53E-05	8.48E-06	7.86E-06	4.67E-06	3.90E-06	5.28E-05	4.54E-05
116	652353.73	4195518.46	5.53E-05	4.89E-05	9.17E-06	8.50E-06	5.05E-06	4.22E-06	5.71E-05	4.91E-05

117	652380.71	4195484.2	5.94E-05	5.25E-05	9.85E-06	9.12E-06	5.42E-06	4.53E-06	6.13E-05	5.27E-05
118	652407.69	4195449.95	6.30E-05	5.57E-05	1.04E-05	9.68E-06	5.75E-06	4.80E-06	6.51E-05	5.59E-05
119	652451.53	4195703.62	3.85E-05	3.40E-05	6.38E-06	5.91E-06	3.51E-06	2.93E-06	3.97E-05	3.41E-05
120	652413.8	4195723.71	3.68E-05	3.25E-05	6.10E-06	5.65E-06	3.36E-06	2.80E-06	3.80E-05	3.26E-05
121	652376.07	4195743.79	3.51E-05	3.10E-05	5.81E-06	5.38E-06	3.20E-06	2.67E-06	3.62E-05	3.11E-05
122	652338.35	4195763.87	3.33E-05	2.94E-05	5.52E-06	5.11E-06	3.04E-06	2.54E-06	3.44E-05	2.95E-05
123	652300.62	4195783.96	3.13E-05	2.77E-05	5.19E-06	4.81E-06	2.86E-06	2.39E-06	3.23E-05	2.78E-05
124	652262.89	4195804.04	2.92E-05	2.58E-05	4.83E-06	4.48E-06	2.66E-06	2.22E-06	3.01E-05	2.59E-05
125	652225.17	4195824.12	2.70E-05	2.39E-05	4.47E-06	4.14E-06	2.46E-06	2.06E-06	2.78E-05	2.39E-05
126	652187.44	4195844.21	2.50E-05	2.21E-05	4.14E-06	3.84E-06	2.28E-06	1.90E-06	2.58E-05	2.22E-05
127	652074.26	4195904.46	2.25E-05	1.99E-05	3.73E-06	3.45E-06	2.05E-06	1.71E-06	2.32E-05	1.99E-05
128	652036.54	4195924.54	2.30E-05	2.04E-05	3.82E-06	3.53E-06	2.10E-06	1.75E-06	2.38E-05	2.04E-05
129	651998.81	4195944.62	2.40E-05	2.12E-05	3.98E-06	3.68E-06	2.19E-06	1.83E-06	2.48E-05	2.13E-05
130	651961.08	4195964.71	2.52E-05	2.23E-05	4.18E-06	3.87E-06	2.30E-06	1.92E-06	2.60E-05	2.24E-05
131	651923.36	4195984.79	2.63E-05	2.33E-05	4.37E-06	4.04E-06	2.40E-06	2.01E-06	2.72E-05	2.34E-05
132	651885.63	4196004.87	2.75E-05	2.43E-05	4.55E-06	4.21E-06	2.50E-06	2.09E-06	2.83E-05	2.44E-05
133	651847.9	4196024.96	2.84E-05	2.51E-05	4.71E-06	4.36E-06	2.59E-06	2.17E-06	2.93E-05	2.52E-05
134	651810.18	4196045.04	2.91E-05	2.57E-05	4.83E-06	4.47E-06	2.66E-06	2.22E-06	3.01E-05	2.58E-05
135	651772.45	4196065.12	2.95E-05	2.60E-05	4.88E-06	4.52E-06	2.69E-06	2.24E-06	3.04E-05	2.61E-05
136	651734.73	4196085.21	2.93E-05	2.59E-05	4.85E-06	4.49E-06	2.67E-06	2.23E-06	3.02E-05	2.60E-05
137	651697	4196105.29	2.85E-05	2.52E-05	4.72E-06	4.37E-06	2.60E-06	2.17E-06	2.94E-05	2.52E-05
138	651659.27	4196125.38	2.71E-05	2.40E-05	4.49E-06	4.16E-06	2.47E-06	2.07E-06	2.80E-05	2.40E-05
139	651621.55	4196145.46	2.53E-05	2.24E-05	4.20E-06	3.89E-06	2.31E-06	1.93E-06	2.62E-05	2.25E-05
140	652483.88	4195676.45	4.07E-05	3.60E-05	6.75E-06	6.26E-06	3.72E-06	3.10E-06	4.21E-05	3.61E-05
141	652510.86	4195642.2	4.37E-05	3.86E-05	7.24E-06	6.70E-06	3.98E-06	3.33E-06	4.51E-05	3.87E-05
142	652537.83	4195607.94	4.66E-05	4.12E-05	7.73E-06	7.16E-06	4.25E-06	3.55E-06	4.81E-05	4.13E-05
143	652564.81	4195573.69	4.93E-05	4.36E-05	8.18E-06	7.57E-06	4.50E-06	3.76E-06	5.09E-05	4.37E-05
144	652608.47	4195827.46	3.19E-05	2.82E-05	5.29E-06	4.90E-06	2.91E-06	2.43E-06	3.29E-05	2.83E-05
145	652570.38	4195847.74	3.07E-05	2.71E-05	5.08E-06	4.71E-06	2.80E-06	2.34E-06	3.17E-05	2.72E-05
146	652532.29	4195868.01	2.95E-05	2.61E-05	4.89E-06	4.53E-06	2.69E-06	2.25E-06	3.05E-05	2.62E-05
147	652494.2	4195888.29	2.84E-05	2.51E-05	4.70E-06	4.36E-06	2.59E-06	2.16E-06	2.93E-05	2.52E-05
148	652456.11	4195908.57	2.71E-05	2.40E-05	4.49E-06	4.16E-06	2.47E-06	2.07E-06	2.80E-05	2.40E-05
149	652418.02	4195928.84	2.57E-05	2.27E-05	4.25E-06	3.94E-06	2.34E-06	1.95E-06	2.65E-05	2.28E-05
150	652303.76	4195989.67	2.07E-05	1.83E-05	3.43E-06	3.17E-06	1.89E-06	1.58E-06	2.13E-05	1.83E-05
151	652265.67	4196009.95	1.93E-05	1.71E-05	3.20E-06	2.96E-06	1.76E-06	1.47E-06	1.99E-05	1.71E-05
152	652227.58	4196030.23	1.84E-05	1.63E-05	3.05E-06	2.83E-06	1.68E-06	1.40E-06	1.90E-05	1.63E-05
153	652189.49	4196050.5	1.81E-05	1.60E-05	3.00E-06	2.78E-06	1.65E-06	1.38E-06	1.87E-05	1.61E-05
154	652151.4	4196070.78	1.83E-05	1.62E-05	3.03E-06	2.80E-06	1.67E-06	1.39E-06	1.89E-05	1.62E-05
155	652113.31	4196091.06	1.89E-05	1.67E-05	3.13E-06	2.90E-06	1.72E-06	1.44E-06	1.95E-05	1.68E-05
156	652075.22	4196111.33	1.98E-05	1.75E-05	3.28E-06	3.04E-06	1.80E-06	1.51E-06	2.04E-05	1.75E-05
157	652037.13	4196131.61	2.07E-05	1.83E-05	3.43E-06	3.18E-06	1.89E-06	1.58E-06	2.14E-05	1.83E-05
158	651999.04	4196151.89	2.16E-05	1.91E-05	3.58E-06	3.31E-06	1.97E-06	1.64E-06	2.23E-05	1.91E-05
159	651960.95	4196172.16	2.24E-05	1.98E-05	3.72E-06	3.44E-06	2.05E-06	1.71E-06	2.32E-05	1.99E-05
160	651922.86	4196192.44	2.32E-05	2.05E-05	3.85E-06	3.56E-06	2.12E-06	1.77E-06	2.40E-05	2.06E-05
161	651884.77	4196212.72	2.39E-05	2.11E-05	3.96E-06	3.67E-06	2.18E-06	1.82E-06	2.47E-05	2.12E-05
162	651846.69	4196232.99	2.44E-05	2.16E-05	4.04E-06	3.74E-06	2.22E-06	1.86E-06	2.52E-05	2.16E-05
163	651808.6	4196253.27	2.46E-05	2.17E-05	4.07E-06	3.77E-06	2.24E-06	1.87E-06	2.54E-05	2.18E-05
164	651770.51	4196273.55	2.43E-05	2.15E-05	4.03E-06	3.74E-06	2.22E-06	1.85E-06	2.51E-05	2.16E-05
165	651732.42	4196293.82	2.37E-05	2.09E-05	3.92E-06	3.63E-06	2.16E-06	1.80E-06	2.44E-05	2.10E-05
166	651694.33	4196314.1	2.26E-05	2.00E-05	3.74E-06	3.47E-06	2.06E-06	1.72E-06	2.33E-05	2.00E-05
167	651656.24	4196334.38	2.12E-05	1.87E-05	3.51E-06	3.25E-06	1.93E-06	1.61E-06	2.19E-05	1.88E-05
168	651618.15	4196354.65	1.97E-05	1.74E-05	3.26E-06	3.02E-06	1.80E-06	1.50E-06	2.03E-05	1.75E-05
169	652641	4195800.2	3.36E-05	2.97E-05	5.56E-06	5.15E-06	3.06E-06	2.56E-06	3.46E-05	2.98E-05
170	652667.98	4195765.94	3.57E-05	3.16E-05	5.92E-06	5.48E-06	3.26E-06	2.72E-06	3.69E-05	3.17E-05
171	652694.96	4195731.69	3.79E-05	3.36E-05	6.29E-06	5.82E-06	3.46E-06	2.89E-06	3.92E-05	3.37E-05
172	652721.93	4195697.43	4.00E-05	3.54E-05	6.63E-06	6.14E-06	3.65E-06	3.05E-06	4.13E-05	3.55E-05
173	651593.5	4194768.62	3.51E-03	3.11E-03	5.82E-04	5.39E-04	3.20E-04	2.68E-04	3.63E-03	3.12E-03
174	651592.9	4194727.38	4.73E-03	4.18E-03	7.84E-04	7.26E-04	4.31E-04	3.60E-04	4.88E-03	4.19E-03
175	651613.14	4194784.09	2.59E-03	2.29E-03	4.30E-04	3.98E-04	2.37E-04	1.98E-04	2.68E-03	2.30E-03
176	651618.2	4194747.64	3.20E-03	2.83E-03	5.30E-04	4.91E-04	2.92E-04	2.44E-04	3.30E-03	2.84E-03

177	651617.59	4194706.4	4.10E-03	3.62E-03	6.79E-04	6.29E-04	3.74E-04	3.12E-04	4.23E-03	3.63E-03
178	651638.14	4194783.72	2.12E-03	1.88E-03	3.52E-04	3.26E-04	1.94E-04	1.62E-04	2.19E-03	1.88E-03
179	651643.2	4194747.27	2.57E-03	2.27E-03	4.25E-04	3.94E-04	2.34E-04	1.96E-04	2.65E-03	2.28E-03
180	651642.59	4194706.03	3.22E-03	2.85E-03	5.33E-04	4.94E-04	2.94E-04	2.45E-04	3.32E-03	2.85E-03
181	651687.07	4194786.16	1.49E-03	1.32E-03	2.47E-04	2.29E-04	1.36E-04	1.14E-04	1.54E-03	1.32E-03
182	651674.21	4194824.16	1.29E-03	1.14E-03	2.13E-04	1.98E-04	1.17E-04	9.81E-05	1.33E-03	1.14E-03
183	651693.19	4194746.53	1.76E-03	1.55E-03	2.91E-04	2.70E-04	1.60E-04	1.34E-04	1.81E-03	1.56E-03
184	651692.58	4194705.29	2.12E-03	1.88E-03	3.52E-04	3.26E-04	1.94E-04	1.62E-04	2.19E-03	1.88E-03
185	651737.37	4194784.52	1.12E-03	9.89E-04	1.85E-04	1.72E-04	1.02E-04	8.52E-05	1.15E-03	9.92E-04
186	651725.12	4194820.71	1.01E-03	8.89E-04	1.67E-04	1.54E-04	9.17E-05	7.66E-05	1.04E-03	8.92E-04
187	651712.88	4194856.91	8.79E-04	7.77E-04	1.46E-04	1.35E-04	8.02E-05	6.69E-05	9.07E-04	7.79E-04
188	651743.19	4194745.8	1.28E-03	1.13E-03	2.11E-04	1.96E-04	1.16E-04	9.71E-05	1.32E-03	1.13E-03
189	651742.58	4194704.56	1.50E-03	1.32E-03	2.48E-04	2.30E-04	1.37E-04	1.14E-04	1.55E-03	1.33E-03
190	651787.53	4194783.28	8.68E-04	7.67E-04	1.44E-04	1.33E-04	7.92E-05	6.61E-05	8.96E-04	7.70E-04
191	651775.63	4194818.47	8.00E-04	7.08E-04	1.33E-04	1.23E-04	7.30E-05	6.10E-05	8.26E-04	7.10E-04
192	651763.72	4194853.66	7.23E-04	6.40E-04	1.20E-04	1.11E-04	6.60E-05	5.51E-05	7.47E-04	6.42E-04
193	651751.82	4194888.85	6.38E-04	5.64E-04	1.06E-04	9.79E-05	5.82E-05	4.86E-05	6.58E-04	5.66E-04
194	651793.18	4194745.06	9.67E-04	8.55E-04	1.60E-04	1.48E-04	8.82E-05	7.37E-05	9.98E-04	8.58E-04
195	651792.57	4194703.82	1.11E-03	9.83E-04	1.84E-04	1.71E-04	1.01E-04	8.47E-05	1.15E-03	9.86E-04
196	651837.05	4194783.95	6.90E-04	6.10E-04	1.14E-04	1.06E-04	6.30E-05	5.26E-05	7.12E-04	6.12E-04
197	651824.19	4194821.96	6.42E-04	5.68E-04	1.06E-04	9.86E-05	5.86E-05	4.89E-05	6.63E-04	5.70E-04
198	651811.34	4194859.96	5.87E-04	5.19E-04	9.73E-05	9.01E-05	5.36E-05	4.47E-05	6.06E-04	5.21E-04
199	651798.48	4194897.97	5.24E-04	4.63E-04	8.68E-05	8.04E-05	4.78E-05	3.99E-05	5.41E-04	4.65E-04
200	651843.17	4194744.33	7.59E-04	6.71E-04	1.26E-04	1.17E-04	6.93E-05	5.78E-05	7.84E-04	6.73E-04
201	651842.57	4194703.09	8.57E-04	7.58E-04	1.42E-04	1.32E-04	7.82E-05	6.53E-05	8.85E-04	7.60E-04
202	651936.87	4194782.97	4.70E-04	4.15E-04	7.79E-05	7.21E-05	4.29E-05	3.58E-05	4.85E-04	4.17E-04
203	651923.69	4194821.95	4.45E-04	3.93E-04	7.37E-05	6.83E-05	4.06E-05	3.39E-05	4.59E-04	3.94E-04
204	651910.5	4194860.93	4.17E-04	3.69E-04	6.91E-05	6.40E-05	3.80E-05	3.18E-05	4.30E-04	3.70E-04
205	651897.31	4194899.91	3.85E-04	3.41E-04	6.39E-05	5.92E-05	3.52E-05	2.94E-05	3.98E-04	3.42E-04
206	651884.13	4194938.89	3.50E-04	3.10E-04	5.81E-05	5.38E-05	3.20E-05	2.67E-05	3.62E-04	3.11E-04
207	651870.94	4194977.87	3.15E-04	2.78E-04	5.22E-05	4.83E-05	2.87E-05	2.40E-05	3.25E-04	2.79E-04
208	651943.16	4194742.86	5.05E-04	4.47E-04	8.38E-05	7.76E-05	4.61E-05	3.85E-05	5.22E-04	4.48E-04
209	651942.56	4194701.62	5.54E-04	4.90E-04	9.18E-05	8.50E-05	5.05E-05	4.22E-05	5.72E-04	4.91E-04
210	652037.15	4194780.64	3.43E-04	3.03E-04	5.68E-05	5.26E-05	3.13E-05	2.61E-05	3.54E-04	3.04E-04
211	652024.55	4194817.9	3.29E-04	2.91E-04	5.46E-05	5.05E-05	3.00E-05	2.51E-05	3.40E-04	2.92E-04
212	652011.94	4194855.16	3.13E-04	2.77E-04	5.20E-05	4.81E-05	2.86E-05	2.39E-05	3.23E-04	2.78E-04
213	651999.34	4194892.42	2.96E-04	2.62E-04	4.91E-05	4.55E-05	2.70E-05	2.26E-05	3.06E-04	2.63E-04
214	651986.74	4194929.68	2.78E-04	2.46E-04	4.61E-05	4.27E-05	2.54E-05	2.12E-05	2.87E-04	2.47E-04
215	651974.13	4194966.94	2.59E-04	2.29E-04	4.30E-05	3.98E-05	2.37E-05	1.98E-05	2.68E-04	2.30E-04
216	651961.53	4195004.2	2.40E-04	2.12E-04	3.98E-05	3.68E-05	2.19E-05	1.83E-05	2.48E-04	2.13E-04
217	651948.92	4195041.46	2.21E-04	1.95E-04	3.66E-05	3.39E-05	2.01E-05	1.68E-05	2.28E-04	1.96E-04
218	652043.15	4194741.39	3.62E-04	3.20E-04	6.00E-05	5.55E-05	3.30E-05	2.76E-05	3.73E-04	3.21E-04
219	652042.55	4194700.15	3.87E-04	3.43E-04	6.42E-05	5.95E-05	3.53E-05	2.95E-05	4.00E-04	3.44E-04
220	652137.02	4194779.54	2.62E-04	2.32E-04	4.34E-05	4.02E-05	2.39E-05	1.99E-05	2.70E-04	2.32E-04
221	652124.16	4194817.54	2.54E-04	2.25E-04	4.21E-05	3.90E-05	2.32E-05	1.94E-05	2.62E-04	2.25E-04
222	652111.3	4194855.55	2.44E-04	2.15E-04	4.04E-05	3.74E-05	2.22E-05	1.86E-05	2.52E-04	2.16E-04
223	652098.45	4194893.55	2.32E-04	2.05E-04	3.84E-05	3.56E-05	2.11E-05	1.77E-05	2.39E-04	2.06E-04
224	652085.59	4194931.56	2.20E-04	1.94E-04	3.64E-05	3.37E-05	2.00E-05	1.67E-05	2.27E-04	1.95E-04
225	652072.73	4194969.56	2.08E-04	1.84E-04	3.44E-05	3.19E-05	1.89E-05	1.58E-05	2.14E-04	1.84E-04
226	652059.88	4195007.57	1.96E-04	1.73E-04	3.25E-05	3.01E-05	1.79E-05	1.49E-05	2.02E-04	1.74E-04
227	652047.02	4195045.58	1.84E-04	1.63E-04	3.05E-05	2.83E-05	1.68E-05	1.40E-05	1.90E-04	1.63E-04
228	652034.16	4195083.58	1.72E-04	1.52E-04	2.86E-05	2.65E-05	1.57E-05	1.31E-05	1.78E-04	1.53E-04
229	652143.14	4194739.91	2.72E-04	2.41E-04	4.51E-05	4.18E-05	2.48E-05	2.07E-05	2.81E-04	2.42E-04
230	652142.54	4194698.67	2.87E-04	2.54E-04	4.75E-05	4.40E-05	2.62E-05	2.18E-05	2.96E-04	2.54E-04
231	652236.91	4194778.34	2.07E-04	1.83E-04	3.43E-05	3.18E-05	1.89E-05	1.58E-05	2.14E-04	1.84E-04
232	652223.87	4194816.9	2.03E-04	1.79E-04	3.36E-05	3.11E-05	1.85E-05	1.54E-05	2.09E-04	1.80E-04
233	652210.83	4194855.45	1.96E-04	1.73E-04	3.25E-05	3.01E-05	1.79E-05	1.49E-05	2.02E-04	1.74E-04
234	652197.78	4194894.01	1.88E-04	1.66E-04	3.11E-05	2.88E-05	1.71E-05	1.43E-05	1.94E-04	1.66E-04
235	652184.74	4194932.57	1.78E-04	1.58E-04	2.96E-05	2.74E-05	1.63E-05	1.36E-05	1.84E-04	1.58E-04
236	652171.7	4194971.12	1.70E-04	1.50E-04	2.81E-05	2.60E-05	1.55E-05	1.29E-05	1.75E-04	1.50E-04

237	652158.66	4195009.68	1.61E-04	1.43E-04	2.68E-05	2.48E-05	1.47E-05	1.23E-05	1.67E-04	1.43E-04
238	652145.61	4195048.24	1.54E-04	1.36E-04	2.55E-05	2.36E-05	1.41E-05	1.17E-05	1.59E-04	1.37E-04
239	652132.57	4195086.79	1.47E-04	1.30E-04	2.43E-05	2.25E-05	1.34E-05	1.12E-05	1.51E-04	1.30E-04
240	652119.53	4195125.35	1.39E-04	1.23E-04	2.31E-05	2.14E-05	1.27E-05	1.06E-05	1.44E-04	1.24E-04
241	652106.48	4195163.9	1.32E-04	1.16E-04	2.18E-05	2.02E-05	1.20E-05	1.00E-05	1.36E-04	1.17E-04
242	652243.13	4194738.44	2.13E-04	1.88E-04	3.53E-05	3.27E-05	1.94E-05	1.62E-05	2.20E-04	1.89E-04
243	652242.52	4194697.2	2.21E-04	1.96E-04	3.67E-05	3.40E-05	2.02E-05	1.69E-05	2.29E-04	1.96E-04
244	652436.98	4194775.12	1.40E-04	1.24E-04	2.32E-05	2.15E-05	1.28E-05	1.06E-05	1.44E-04	1.24E-04
245	652424.13	4194813.13	1.39E-04	1.23E-04	2.30E-05	2.13E-05	1.27E-05	1.06E-05	1.43E-04	1.23E-04
246	652411.27	4194851.14	1.37E-04	1.21E-04	2.26E-05	2.10E-05	1.25E-05	1.04E-05	1.41E-04	1.21E-04
247	652398.41	4194889.14	1.33E-04	1.18E-04	2.20E-05	2.04E-05	1.21E-05	1.01E-05	1.37E-04	1.18E-04
248	652385.56	4194927.15	1.28E-04	1.13E-04	2.12E-05	1.97E-05	1.17E-05	9.77E-06	1.32E-04	1.14E-04
249	652372.7	4194965.15	1.23E-04	1.08E-04	2.03E-05	1.88E-05	1.12E-05	9.34E-06	1.27E-04	1.09E-04
250	652359.84	4195003.16	1.17E-04	1.04E-04	1.94E-05	1.80E-05	1.07E-05	8.92E-06	1.21E-04	1.04E-04
251	652346.99	4195041.16	1.12E-04	9.92E-05	1.86E-05	1.72E-05	1.02E-05	8.55E-06	1.16E-04	9.95E-05
252	652334.13	4195079.17	1.08E-04	9.56E-05	1.79E-05	1.66E-05	9.86E-06	8.23E-06	1.12E-04	9.58E-05
253	652321.27	4195117.17	1.05E-04	9.25E-05	1.73E-05	1.61E-05	9.55E-06	7.97E-06	1.08E-04	9.28E-05
254	652308.42	4195155.18	1.02E-04	9.00E-05	1.69E-05	1.56E-05	9.28E-06	7.75E-06	1.05E-04	9.02E-05
255	652295.56	4195193.18	9.90E-05	8.76E-05	1.64E-05	1.52E-05	9.03E-06	7.54E-06	1.02E-04	8.78E-05
256	652282.71	4195231.19	9.60E-05	8.49E-05	1.59E-05	1.47E-05	8.76E-06	7.31E-06	9.91E-05	8.52E-05
257	652269.85	4195269.2	9.23E-05	8.16E-05	1.53E-05	1.42E-05	8.42E-06	7.03E-06	9.52E-05	8.18E-05
258	652443.11	4194735.5	1.42E-04	1.25E-04	2.35E-05	2.18E-05	1.29E-05	1.08E-05	1.46E-04	1.26E-04
259	652442.5	4194694.26	1.45E-04	1.28E-04	2.40E-05	2.22E-05	1.32E-05	1.10E-05	1.49E-04	1.28E-04
260	652636.84	4194772.53	1.02E-04	8.98E-05	1.68E-05	1.56E-05	9.27E-06	7.74E-06	1.05E-04	9.01E-05
261	652623.75	4194811.24	1.02E-04	8.98E-05	1.68E-05	1.56E-05	9.27E-06	7.74E-06	1.05E-04	9.01E-05
262	652610.65	4194849.95	1.01E-04	8.92E-05	1.67E-05	1.55E-05	9.21E-06	7.69E-06	1.04E-04	8.95E-05
263	652597.56	4194888.66	9.94E-05	8.79E-05	1.65E-05	1.53E-05	9.07E-06	7.58E-06	1.03E-04	8.82E-05
264	652584.46	4194927.37	9.71E-05	8.59E-05	1.61E-05	1.49E-05	8.86E-06	7.40E-06	1.00E-04	8.61E-05
265	652571.37	4194966.08	9.40E-05	8.31E-05	1.56E-05	1.44E-05	8.58E-06	7.16E-06	9.70E-05	8.34E-05
266	652558.28	4195004.79	9.03E-05	7.99E-05	1.50E-05	1.39E-05	8.24E-06	6.88E-06	9.32E-05	8.01E-05
267	652545.18	4195043.5	8.65E-05	7.65E-05	1.43E-05	1.33E-05	7.90E-06	6.59E-06	8.93E-05	7.68E-05
268	652532.09	4195082.21	8.30E-05	7.34E-05	1.38E-05	1.27E-05	7.58E-06	6.33E-06	8.57E-05	7.36E-05
269	652518.99	4195120.92	8.01E-05	7.08E-05	1.33E-05	1.23E-05	7.30E-06	6.10E-06	8.26E-05	7.10E-05
270	652505.9	4195159.63	7.77E-05	6.87E-05	1.29E-05	1.19E-05	7.09E-06	5.92E-06	8.02E-05	6.89E-05
271	652492.8	4195198.34	7.60E-05	6.72E-05	1.26E-05	1.17E-05	6.93E-06	5.79E-06	7.84E-05	6.74E-05
272	652479.71	4195237.05	7.48E-05	6.61E-05	1.24E-05	1.15E-05	6.82E-06	5.70E-06	7.72E-05	6.63E-05
273	652466.61	4195275.76	7.38E-05	6.53E-05	1.22E-05	1.13E-05	6.74E-06	5.63E-06	7.62E-05	6.55E-05
274	652453.52	4195314.46	7.27E-05	6.43E-05	1.20E-05	1.12E-05	6.63E-06	5.54E-06	7.50E-05	6.45E-05
275	652440.42	4195353.17	7.10E-05	6.28E-05	1.18E-05	1.09E-05	6.47E-06	5.41E-06	7.32E-05	6.29E-05
276	652427.33	4195391.88	6.84E-05	6.05E-05	1.13E-05	1.05E-05	6.24E-06	5.21E-06	7.06E-05	6.07E-05
277	652643.09	4194732.56	1.02E-04	9.03E-05	1.69E-05	1.57E-05	9.31E-06	7.78E-06	1.05E-04	9.05E-05
278	652642.48	4194691.32	1.03E-04	9.13E-05	1.71E-05	1.59E-05	9.42E-06	7.87E-06	1.07E-04	9.16E-05
279	652836.89	4194769.39	7.78E-05	6.88E-05	1.29E-05	1.20E-05	7.10E-06	5.93E-06	8.03E-05	6.90E-05
280	652823.93	4194807.69	7.82E-05	6.92E-05	1.30E-05	1.20E-05	7.14E-06	5.96E-06	8.07E-05	6.94E-05
281	652810.98	4194845.99	7.82E-05	6.91E-05	1.30E-05	1.20E-05	7.13E-06	5.96E-06	8.07E-05	6.93E-05
282	652798.02	4194884.29	7.76E-05	6.86E-05	1.29E-05	1.19E-05	7.08E-06	5.91E-06	8.01E-05	6.88E-05
283	652785.07	4194922.59	7.66E-05	6.77E-05	1.27E-05	1.18E-05	6.99E-06	5.83E-06	7.90E-05	6.79E-05
284	652772.11	4194960.89	7.51E-05	6.64E-05	1.24E-05	1.15E-05	6.85E-06	5.72E-06	7.75E-05	6.66E-05
285	652759.15	4194999.19	7.31E-05	6.46E-05	1.21E-05	1.12E-05	6.67E-06	5.57E-06	7.54E-05	6.48E-05
286	652746.2	4195037.49	7.07E-05	6.25E-05	1.17E-05	1.09E-05	6.45E-06	5.39E-06	7.30E-05	6.27E-05
287	652733.24	4195075.79	6.81E-05	6.02E-05	1.13E-05	1.05E-05	6.22E-06	5.19E-06	7.03E-05	6.04E-05
288	652720.28	4195114.09	6.55E-05	5.79E-05	1.09E-05	1.01E-05	5.98E-06	4.99E-06	6.76E-05	5.81E-05
289	652707.33	4195152.39	6.31E-05	5.58E-05	1.05E-05	9.69E-06	5.76E-06	4.81E-06	6.52E-05	5.60E-05
290	652694.37	4195190.69	6.11E-05	5.41E-05	1.01E-05	9.39E-06	5.58E-06	4.66E-06	6.31E-05	5.42E-05
291	652681.42	4195228.99	5.96E-05	5.27E-05	9.88E-06	9.15E-06	5.44E-06	4.54E-06	6.15E-05	5.29E-05
292	652668.46	4195267.29	5.86E-05	5.18E-05	9.71E-06	9.00E-06	5.35E-06	4.47E-06	6.05E-05	5.20E-05
293	652655.5	4195305.59	5.81E-05	5.14E-05	9.63E-06	8.92E-06	5.30E-06	4.43E-06	6.00E-05	5.15E-05
294	652642.55	4195343.89	5.79E-05	5.12E-05	9.59E-06	8.88E-06	5.28E-06	4.41E-06	5.97E-05	5.13E-05
295	652629.59	4195382.19	5.77E-05	5.10E-05	9.56E-06	8.85E-06	5.26E-06	4.39E-06	5.95E-05	5.11E-05
296	652616.63	4195420.49	5.72E-05	5.05E-05	9.47E-06	8.77E-06	5.21E-06	4.35E-06	5.90E-05	5.07E-05

297	652603.68	4195458.79	5.61E-05	4.96E-05	9.30E-06	8.61E-06	5.12E-06	4.27E-06	5.79E-05	4.97E-05
298	652590.72	4195497.09	5.44E-05	4.81E-05	9.02E-06	8.35E-06	4.96E-06	4.14E-06	5.61E-05	4.82E-05
299	652577.77	4195535.39	5.21E-05	4.61E-05	8.63E-06	8.00E-06	4.75E-06	3.97E-06	5.38E-05	4.62E-05
300	652843.07	4194729.62	7.78E-05	6.88E-05	1.29E-05	1.19E-05	7.10E-06	5.93E-06	8.03E-05	6.90E-05
301	652842.46	4194688.38	7.82E-05	6.91E-05	1.30E-05	1.20E-05	7.13E-06	5.96E-06	8.07E-05	6.93E-05
302	653036.79	4194766.69	6.21E-05	5.49E-05	1.03E-05	9.53E-06	5.66E-06	4.73E-06	6.41E-05	5.50E-05
303	653023.67	4194805.47	6.26E-05	5.53E-05	1.04E-05	9.60E-06	5.71E-06	4.77E-06	6.46E-05	5.55E-05
304	653010.55	4194844.25	6.27E-05	5.55E-05	1.04E-05	9.63E-06	5.72E-06	4.78E-06	6.48E-05	5.56E-05
305	652997.43	4194883.03	6.26E-05	5.53E-05	1.04E-05	9.61E-06	5.71E-06	4.77E-06	6.46E-05	5.55E-05
306	652984.31	4194921.81	6.21E-05	5.49E-05	1.03E-05	9.53E-06	5.66E-06	4.73E-06	6.41E-05	5.51E-05
307	652971.19	4194960.59	6.13E-05	5.42E-05	1.02E-05	9.40E-06	5.59E-06	4.67E-06	6.32E-05	5.43E-05
308	652958.07	4194999.37	6.02E-05	5.32E-05	9.97E-06	9.24E-06	5.49E-06	4.58E-06	6.21E-05	5.34E-05
309	652944.96	4195038.15	5.88E-05	5.20E-05	9.74E-06	9.02E-06	5.36E-06	4.48E-06	6.07E-05	5.21E-05
310	652931.84	4195076.94	5.72E-05	5.05E-05	9.47E-06	8.77E-06	5.21E-06	4.35E-06	5.90E-05	5.07E-05
311	652918.72	4195115.72	5.53E-05	4.89E-05	9.17E-06	8.49E-06	5.05E-06	4.21E-06	5.71E-05	4.91E-05
312	652905.6	4195154.5	5.34E-05	4.72E-05	8.85E-06	8.19E-06	4.87E-06	4.07E-06	5.51E-05	4.73E-05
313	652892.48	4195193.28	5.15E-05	4.55E-05	8.53E-06	7.90E-06	4.70E-06	3.92E-06	5.31E-05	4.56E-05
314	652879.36	4195232.06	4.97E-05	4.40E-05	8.25E-06	7.64E-06	4.54E-06	3.79E-06	5.13E-05	4.41E-05
315	652866.24	4195270.84	4.83E-05	4.28E-05	8.01E-06	7.42E-06	4.41E-06	3.68E-06	4.99E-05	4.29E-05
316	652853.12	4195309.62	4.74E-05	4.19E-05	7.85E-06	7.27E-06	4.32E-06	3.61E-06	4.89E-05	4.20E-05
317	652840	4195348.4	4.68E-05	4.14E-05	7.76E-06	7.19E-06	4.27E-06	3.57E-06	4.83E-05	4.15E-05
318	652826.88	4195387.18	4.67E-05	4.13E-05	7.74E-06	7.17E-06	4.26E-06	3.56E-06	4.82E-05	4.14E-05
319	652813.77	4195425.97	4.69E-05	4.14E-05	7.77E-06	7.19E-06	4.27E-06	3.57E-06	4.84E-05	4.16E-05
320	652800.65	4195464.75	4.70E-05	4.15E-05	7.79E-06	7.21E-06	4.29E-06	3.58E-06	4.85E-05	4.17E-05
321	652787.53	4195503.53	4.69E-05	4.15E-05	7.78E-06	7.20E-06	4.28E-06	3.57E-06	4.84E-05	4.16E-05
322	652774.41	4195542.31	4.64E-05	4.11E-05	7.70E-06	7.13E-06	4.24E-06	3.54E-06	4.79E-05	4.12E-05
323	652761.29	4195581.09	4.55E-05	4.02E-05	7.54E-06	6.98E-06	4.15E-06	3.47E-06	4.69E-05	4.03E-05
324	652748.17	4195619.87	4.40E-05	3.90E-05	7.30E-06	6.76E-06	4.02E-06	3.36E-06	4.55E-05	3.91E-05
325	652735.05	4195658.65	4.22E-05	3.73E-05	6.99E-06	6.48E-06	3.85E-06	3.21E-06	4.35E-05	3.74E-05
326	653043.04	4194726.68	6.18E-05	5.46E-05	1.02E-05	9.48E-06	5.64E-06	4.71E-06	6.38E-05	5.48E-05
327	653042.44	4194685.44	6.18E-05	5.47E-05	1.03E-05	9.49E-06	5.64E-06	4.71E-06	6.38E-05	5.49E-05
328	651592.08	4194686.49	6.05E-03	5.35E-03	1.00E-03	9.29E-04	5.52E-04	4.61E-04	6.24E-03	5.37E-03
329	651616.57	4194666.12	4.97E-03	4.39E-03	8.23E-04	7.63E-04	4.53E-04	3.79E-04	5.13E-03	4.41E-03
330	651641.56	4194665.48	3.84E-03	3.40E-03	6.37E-04	5.90E-04	3.51E-04	2.93E-04	3.97E-03	3.41E-03
331	651691.54	4194664.2	2.48E-03	2.20E-03	4.12E-04	3.81E-04	2.27E-04	1.89E-04	2.56E-03	2.20E-03
332	651741.52	4194662.92	1.72E-03	1.52E-03	2.86E-04	2.65E-04	1.57E-04	1.31E-04	1.78E-03	1.53E-03
333	651792.01	4194681.37	1.19E-03	1.05E-03	1.98E-04	1.83E-04	1.09E-04	9.08E-05	1.23E-03	1.06E-03
334	651842	4194680.09	9.12E-04	8.07E-04	1.51E-04	1.40E-04	8.32E-05	6.95E-05	9.42E-04	8.09E-04
335	651941.96	4194677.54	5.82E-04	5.14E-04	9.64E-05	8.93E-05	5.31E-05	4.43E-05	6.00E-04	5.16E-04
336	652041.93	4194674.98	4.03E-04	3.56E-04	6.67E-05	6.18E-05	3.67E-05	3.07E-05	4.16E-04	3.57E-04
337	652141.9	4194672.42	2.96E-04	2.61E-04	4.90E-05	4.54E-05	2.70E-05	2.25E-05	3.05E-04	2.62E-04
338	652241.87	4194669.86	2.27E-04	2.01E-04	3.76E-05	3.48E-05	2.07E-05	1.73E-05	2.34E-04	2.01E-04
339	652441.8	4194664.74	1.47E-04	1.30E-04	2.44E-05	2.26E-05	1.34E-05	1.12E-05	1.52E-04	1.30E-04
340	652641.73	4194659.62	1.04E-04	9.21E-05	1.73E-05	1.60E-05	9.50E-06	7.93E-06	1.07E-04	9.24E-05
341	652841.67	4194654.51	7.85E-05	6.94E-05	1.30E-05	1.21E-05	7.16E-06	5.98E-06	8.10E-05	6.96E-05
342	653041.6	4194649.39	6.19E-05	5.48E-05	1.03E-05	9.51E-06	5.65E-06	4.72E-06	6.39E-05	5.49E-05
343	651691.02	4194621.63	2.76E-03	2.44E-03	4.58E-04	4.24E-04	2.52E-04	2.11E-04	2.85E-03	2.45E-03
344	651741.01	4194621	1.91E-03	1.69E-03	3.16E-04	2.93E-04	1.74E-04	1.45E-04	1.97E-03	1.69E-03
345	651791.29	4194642.64	1.32E-03	1.17E-03	2.19E-04	2.03E-04	1.20E-04	1.01E-04	1.36E-03	1.17E-03
346	651841.29	4194642.01	9.97E-04	8.82E-04	1.65E-04	1.53E-04	9.10E-05	7.60E-05	1.03E-03	8.85E-04
347	651841.01	4194619.75	1.04E-03	9.21E-04	1.73E-04	1.60E-04	9.50E-05	7.93E-05	1.07E-03	9.23E-04
348	651941.28	4194640.75	6.22E-04	5.50E-04	1.03E-04	9.55E-05	5.68E-05	4.74E-05	6.42E-04	5.52E-04
349	652041.27	4194639.49	4.24E-04	3.75E-04	7.02E-05	6.50E-05	3.86E-05	3.23E-05	4.37E-04	3.76E-04
350	652040.99	4194617.23	4.36E-04	3.86E-04	7.23E-05	6.70E-05	3.98E-05	3.32E-05	4.50E-04	3.87E-04
351	652141.26	4194638.23	3.07E-04	2.71E-04	5.09E-05	4.71E-05	2.80E-05	2.34E-05	3.17E-04	2.72E-04
352	652241.25	4194636.98	2.33E-04	2.06E-04	3.86E-05	3.58E-05	2.13E-05	1.77E-05	2.40E-04	2.07E-04
353	652240.97	4194614.72	2.37E-04	2.10E-04	3.93E-05	3.64E-05	2.16E-05	1.81E-05	2.45E-04	2.10E-04
354	652441.24	4194634.46	1.49E-04	1.32E-04	2.47E-05	2.29E-05	1.36E-05	1.14E-05	1.54E-04	1.32E-04
355	652440.96	4194612.2	1.51E-04	1.33E-04	2.50E-05	2.32E-05	1.38E-05	1.15E-05	1.56E-04	1.34E-04
356	652641.22	4194631.94	1.05E-04	9.28E-05	1.74E-05	1.61E-05	9.57E-06	7.99E-06	1.08E-04	9.30E-05

357	652640.94	4194609.68	1.06E-04	9.34E-05	1.75E-05	1.62E-05	9.64E-06	8.05E-06	1.09E-04	9.37E-05
358	652841.21	4194629.43	7.88E-05	6.97E-05	1.31E-05	1.21E-05	7.19E-06	6.00E-06	8.13E-05	6.99E-05
359	652840.93	4194607.17	7.91E-05	6.99E-05	1.31E-05	1.21E-05	7.22E-06	6.03E-06	8.16E-05	7.01E-05
360	653041.19	4194626.91	6.20E-05	5.49E-05	1.03E-05	9.52E-06	5.66E-06	4.73E-06	6.40E-05	5.50E-05
361	653040.91	4194604.65	6.22E-05	5.50E-05	1.03E-05	9.54E-06	5.67E-06	4.74E-06	6.42E-05	5.51E-05
362	651591.64	4194568.23	7.02E-03	6.20E-03	1.16E-03	1.08E-03	6.40E-04	5.35E-04	7.24E-03	6.22E-03
363	651616.43	4194587.11	5.60E-03	4.95E-03	9.28E-04	8.60E-04	5.11E-04	4.27E-04	5.78E-03	4.97E-03
364	651641.43	4194587.39	4.37E-03	3.87E-03	7.24E-04	6.71E-04	3.99E-04	3.33E-04	4.51E-03	3.88E-03
365	651691.43	4194587.93	2.86E-03	2.53E-03	4.74E-04	4.39E-04	2.61E-04	2.18E-04	2.95E-03	2.53E-03
366	651741.42	4194588.48	1.99E-03	1.76E-03	3.30E-04	3.05E-04	1.81E-04	1.51E-04	2.05E-03	1.76E-03
367	651791.22	4194607.64	1.41E-03	1.25E-03	2.34E-04	2.16E-04	1.29E-04	1.07E-04	1.46E-03	1.25E-03
368	651791.63	4194570.41	1.47E-03	1.30E-03	2.44E-04	2.26E-04	1.34E-04	1.12E-04	1.52E-03	1.31E-03
369	651841.42	4194589.57	1.09E-03	9.63E-04	1.80E-04	1.67E-04	9.93E-05	8.29E-05	1.12E-03	9.65E-04
370	651941.21	4194609.28	6.54E-04	5.78E-04	1.08E-04	1.00E-04	5.96E-05	4.98E-05	6.75E-04	5.80E-04
371	651941.62	4194572.05	6.86E-04	6.07E-04	1.14E-04	1.05E-04	6.26E-05	5.23E-05	7.08E-04	6.09E-04
372	652041.41	4194591.76	4.50E-04	3.98E-04	7.45E-05	6.90E-05	4.10E-05	3.42E-05	4.64E-04	3.99E-04
373	652141.2	4194611.46	3.15E-04	2.79E-04	5.23E-05	4.84E-05	2.88E-05	2.40E-05	3.26E-04	2.80E-04
374	652141.6	4194574.23	3.27E-04	2.90E-04	5.43E-05	5.03E-05	2.99E-05	2.49E-05	3.38E-04	2.90E-04
375	652241.6	4194575.33	2.45E-04	2.17E-04	4.06E-05	3.76E-05	2.23E-05	1.87E-05	2.53E-04	2.17E-04
376	652441.59	4194577.51	1.54E-04	1.36E-04	2.54E-05	2.36E-05	1.40E-05	1.17E-05	1.58E-04	1.36E-04
377	652641.57	4194579.7	1.07E-04	9.42E-05	1.77E-05	1.64E-05	9.72E-06	8.12E-06	1.10E-04	9.45E-05
378	652841.56	4194581.88	7.94E-05	7.02E-05	1.32E-05	1.22E-05	7.25E-06	6.05E-06	8.20E-05	7.04E-05
379	651604.01	4194531.02	5.18E-03	4.58E-03	8.58E-04	7.95E-04	4.72E-04	3.95E-04	5.34E-03	4.59E-03
380	651613.48	4194559.13	5.43E-03	4.80E-03	9.00E-04	8.33E-04	4.95E-04	4.13E-04	5.60E-03	4.81E-03
381	651624.1	4194516.72	4.16E-03	3.68E-03	6.89E-04	6.38E-04	3.79E-04	3.17E-04	4.29E-03	3.69E-03
382	651634.62	4194547.95	4.36E-03	3.85E-03	7.22E-04	6.69E-04	3.98E-04	3.32E-04	4.50E-03	3.86E-03
383	651663.57	4194486.03	2.87E-03	2.54E-03	4.76E-04	4.41E-04	2.62E-04	2.19E-04	2.96E-03	2.55E-03
384	651674.09	4194517.26	3.01E-03	2.66E-03	4.99E-04	4.63E-04	2.75E-04	2.30E-04	3.11E-03	2.67E-03
385	651684.62	4194548.5	2.97E-03	2.63E-03	4.93E-04	4.56E-04	2.71E-04	2.26E-04	3.07E-03	2.64E-03
386	651703.05	4194455.34	2.12E-03	1.87E-03	3.51E-04	3.25E-04	1.93E-04	1.61E-04	2.19E-03	1.88E-03
387	651713.57	4194486.57	2.22E-03	1.96E-03	3.67E-04	3.40E-04	2.02E-04	1.69E-04	2.29E-03	1.97E-03
388	651724.09	4194517.81	2.21E-03	1.96E-03	3.67E-04	3.40E-04	2.02E-04	1.69E-04	2.29E-03	1.96E-03
389	651734.61	4194549.04	2.12E-03	1.87E-03	3.51E-04	3.25E-04	1.93E-04	1.61E-04	2.18E-03	1.88E-03
390	651742.52	4194424.65	1.63E-03	1.44E-03	2.70E-04	2.50E-04	1.49E-04	1.24E-04	1.68E-03	1.45E-03
391	651753.04	4194455.89	1.70E-03	1.51E-03	2.82E-04	2.61E-04	1.55E-04	1.30E-04	1.76E-03	1.51E-03
392	651763.57	4194487.12	1.71E-03	1.51E-03	2.84E-04	2.63E-04	1.56E-04	1.30E-04	1.77E-03	1.52E-03
393	651774.09	4194518.35	1.66E-03	1.47E-03	2.75E-04	2.55E-04	1.51E-04	1.26E-04	1.71E-03	1.47E-03
394	651782	4194393.96	1.29E-03	1.14E-03	2.14E-04	1.99E-04	1.18E-04	9.86E-05	1.34E-03	1.15E-03
395	651792.52	4194425.2	1.35E-03	1.19E-03	2.23E-04	2.07E-04	1.23E-04	1.03E-04	1.39E-03	1.20E-03
396	651803.04	4194456.43	1.36E-03	1.20E-03	2.26E-04	2.09E-04	1.24E-04	1.04E-04	1.41E-03	1.21E-03
397	651813.56	4194487.67	1.33E-03	1.18E-03	2.21E-04	2.05E-04	1.22E-04	1.02E-04	1.38E-03	1.18E-03
398	651824.08	4194518.9	1.27E-03	1.12E-03	2.10E-04	1.95E-04	1.16E-04	9.67E-05	1.31E-03	1.13E-03
399	651834.61	4194550.13	1.18E-03	1.04E-03	1.96E-04	1.81E-04	1.08E-04	8.99E-05	1.22E-03	1.05E-03
400	651860.95	4194332.59	8.73E-04	7.72E-04	1.45E-04	1.34E-04	7.96E-05	6.65E-05	9.01E-04	7.74E-04
401	651871.47	4194363.82	9.05E-04	8.00E-04	1.50E-04	1.39E-04	8.26E-05	6.90E-05	9.34E-04	8.03E-04
402	651881.99	4194395.06	9.18E-04	8.12E-04	1.52E-04	1.41E-04	8.38E-05	6.99E-05	9.47E-04	8.14E-04
403	651892.51	4194426.29	9.10E-04	8.05E-04	1.51E-04	1.40E-04	8.30E-05	6.93E-05	9.39E-04	8.07E-04
404	651903.03	4194457.52	8.82E-04	7.80E-04	1.46E-04	1.35E-04	8.05E-05	6.72E-05	9.10E-04	7.82E-04
405	651913.56	4194488.76	8.39E-04	7.42E-04	1.39E-04	1.29E-04	7.65E-05	6.39E-05	8.66E-04	7.44E-04
406	651924.08	4194519.99	7.85E-04	6.94E-04	1.30E-04	1.20E-04	7.16E-05	5.98E-05	8.10E-04	6.96E-04
407	651939.89	4194271.21	6.28E-04	5.55E-04	1.04E-04	9.64E-05	5.73E-05	4.79E-05	6.48E-04	5.57E-04
408	651950.42	4194302.45	6.49E-04	5.74E-04	1.08E-04	9.96E-05	5.92E-05	4.94E-05	6.70E-04	5.75E-04
409	651960.94	4194333.68	6.59E-04	5.83E-04	1.09E-04	1.01E-04	6.01E-05	5.02E-05	6.80E-04	5.85E-04
410	651971.46	4194364.91	6.58E-04	5.82E-04	1.09E-04	1.01E-04	6.00E-05	5.01E-05	6.79E-04	5.83E-04
411	651981.98	4194396.15	6.45E-04	5.70E-04	1.07E-04	9.90E-05	5.88E-05	4.91E-05	6.66E-04	5.72E-04
412	651992.51	4194427.38	6.22E-04	5.50E-04	1.03E-04	9.55E-05	5.68E-05	4.74E-05	6.42E-04	5.52E-04
413	652003.03	4194458.62	5.92E-04	5.24E-04	9.82E-05	9.09E-05	5.40E-05	4.51E-05	6.11E-04	5.25E-04
414	652013.55	4194489.85	5.57E-04	4.93E-04	9.24E-05	8.55E-05	5.08E-05	4.25E-05	5.75E-04	4.94E-04
415	652024.07	4194521.08	5.20E-04	4.60E-04	8.62E-05	7.99E-05	4.75E-05	3.96E-05	5.37E-04	4.61E-04
416	652034.6	4194552.32	4.83E-04	4.27E-04	8.01E-05	7.42E-05	4.41E-05	3.68E-05	4.99E-04	4.29E-04

417	652018.94	4194210.13	4.73E-04	4.19E-04	7.84E-05	7.27E-05	4.32E-05	3.61E-05	4.88E-04	4.20E-04
418	652029.77	4194242.26	4.88E-04	4.31E-04	8.09E-05	7.49E-05	4.45E-05	3.72E-05	5.04E-04	4.33E-04
419	652036.98	4194263.68	4.94E-04	4.37E-04	8.18E-05	7.58E-05	4.50E-05	3.76E-05	5.10E-04	4.38E-04
420	652047.81	4194295.8	4.96E-04	4.39E-04	8.23E-05	7.62E-05	4.53E-05	3.78E-05	5.12E-04	4.40E-04
421	652058.63	4194327.93	4.92E-04	4.35E-04	8.15E-05	7.55E-05	4.49E-05	3.75E-05	5.08E-04	4.36E-04
422	652065.84	4194349.35	4.85E-04	4.29E-04	8.04E-05	7.45E-05	4.43E-05	3.70E-05	5.01E-04	4.30E-04
423	652073.06	4194370.77	4.75E-04	4.20E-04	7.88E-05	7.30E-05	4.34E-05	3.62E-05	4.91E-04	4.22E-04
424	652083.88	4194402.89	4.57E-04	4.04E-04	7.57E-05	7.01E-05	4.17E-05	3.48E-05	4.71E-04	4.05E-04
425	652091.1	4194424.31	4.42E-04	3.91E-04	7.33E-05	6.79E-05	4.03E-05	3.37E-05	4.56E-04	3.92E-04
426	652101.92	4194456.44	4.18E-04	3.70E-04	6.93E-05	6.42E-05	3.81E-05	3.18E-05	4.31E-04	3.71E-04
427	652109.14	4194477.85	4.01E-04	3.55E-04	6.65E-05	6.16E-05	3.66E-05	3.06E-05	4.14E-04	3.56E-04
428	652116.35	4194499.27	3.84E-04	3.40E-04	6.36E-05	5.89E-05	3.50E-05	2.93E-05	3.96E-04	3.41E-04
429	652127.17	4194531.4	3.59E-04	3.17E-04	5.95E-05	5.51E-05	3.27E-05	2.73E-05	3.70E-04	3.18E-04
430	652097.88	4194148.72	3.70E-04	3.27E-04	6.14E-05	5.68E-05	3.38E-05	2.82E-05	3.82E-04	3.28E-04
431	652108.66	4194180.71	3.80E-04	3.36E-04	6.31E-05	5.84E-05	3.47E-05	2.90E-05	3.93E-04	3.37E-04
432	652119.44	4194212.71	3.86E-04	3.42E-04	6.40E-05	5.93E-05	3.52E-05	2.94E-05	3.99E-04	3.43E-04
433	652130.22	4194244.7	3.87E-04	3.43E-04	6.42E-05	5.95E-05	3.54E-05	2.95E-05	4.00E-04	3.44E-04
434	652141	4194276.7	3.84E-04	3.39E-04	6.36E-05	5.89E-05	3.50E-05	2.92E-05	3.96E-04	3.41E-04
435	652151.77	4194308.69	3.76E-04	3.33E-04	6.23E-05	5.77E-05	3.43E-05	2.87E-05	3.88E-04	3.34E-04
436	652158.96	4194330.02	3.69E-04	3.26E-04	6.11E-05	5.66E-05	3.36E-05	2.81E-05	3.81E-04	3.27E-04
437	652166.15	4194351.36	3.60E-04	3.19E-04	5.97E-05	5.53E-05	3.29E-05	2.74E-05	3.72E-04	3.20E-04
438	652176.92	4194383.35	3.46E-04	3.06E-04	5.73E-05	5.31E-05	3.15E-05	2.63E-05	3.57E-04	3.07E-04
439	652187.7	4194415.35	3.29E-04	2.91E-04	5.45E-05	5.05E-05	3.00E-05	2.51E-05	3.40E-04	2.92E-04
440	652198.48	4194447.34	3.11E-04	2.75E-04	5.16E-05	4.78E-05	2.84E-05	2.37E-05	3.21E-04	2.76E-04
441	652209.26	4194479.34	2.93E-04	2.59E-04	4.86E-05	4.50E-05	2.68E-05	2.24E-05	3.03E-04	2.60E-04
442	652220.04	4194511.33	2.76E-04	2.44E-04	4.57E-05	4.23E-05	2.52E-05	2.10E-05	2.85E-04	2.45E-04
443	652230.82	4194543.33	2.60E-04	2.30E-04	4.30E-05	3.99E-05	2.37E-05	1.98E-05	2.68E-04	2.30E-04
444	652255.76	4194025.91	2.45E-04	2.17E-04	4.06E-05	3.76E-05	2.24E-05	1.87E-05	2.53E-04	2.17E-04
445	652266.48	4194057.73	2.51E-04	2.22E-04	4.16E-05	3.85E-05	2.29E-05	1.91E-05	2.59E-04	2.23E-04
446	652277.2	4194089.55	2.55E-04	2.25E-04	4.22E-05	3.91E-05	2.32E-05	1.94E-05	2.63E-04	2.26E-04
447	652287.92	4194121.38	2.56E-04	2.26E-04	4.25E-05	3.93E-05	2.34E-05	1.95E-05	2.64E-04	2.27E-04
448	652298.64	4194153.2	2.55E-04	2.26E-04	4.23E-05	3.92E-05	2.33E-05	1.94E-05	2.63E-04	2.26E-04
449	652309.36	4194185.02	2.52E-04	2.23E-04	4.18E-05	3.87E-05	2.30E-05	1.92E-05	2.60E-04	2.24E-04
450	652320.08	4194216.85	2.47E-04	2.19E-04	4.10E-05	3.80E-05	2.26E-05	1.89E-05	2.55E-04	2.19E-04
451	652330.8	4194248.67	2.41E-04	2.13E-04	3.99E-05	3.70E-05	2.20E-05	1.84E-05	2.49E-04	2.14E-04
452	652341.53	4194280.49	2.33E-04	2.06E-04	3.87E-05	3.58E-05	2.13E-05	1.78E-05	2.41E-04	2.07E-04
453	652352.25	4194312.32	2.25E-04	1.99E-04	3.73E-05	3.46E-05	2.05E-05	1.72E-05	2.32E-04	2.00E-04
454	652362.97	4194344.14	2.16E-04	1.91E-04	3.58E-05	3.32E-05	1.97E-05	1.65E-05	2.23E-04	1.92E-04
455	652370.11	4194365.36	2.10E-04	1.85E-04	3.48E-05	3.22E-05	1.91E-05	1.60E-05	2.16E-04	1.86E-04
456	652380.84	4194397.18	2.01E-04	1.77E-04	3.32E-05	3.08E-05	1.83E-05	1.53E-05	2.07E-04	1.78E-04
457	652387.98	4194418.39	1.95E-04	1.72E-04	3.22E-05	2.99E-05	1.78E-05	1.48E-05	2.01E-04	1.73E-04
458	652398.7	4194450.22	1.85E-04	1.64E-04	3.07E-05	2.84E-05	1.69E-05	1.41E-05	1.91E-04	1.64E-04
459	652405.85	4194471.43	1.79E-04	1.58E-04	2.97E-05	2.75E-05	1.63E-05	1.36E-05	1.85E-04	1.59E-04
460	652416.57	4194503.26	1.70E-04	1.51E-04	2.83E-05	2.62E-05	1.56E-05	1.30E-05	1.76E-04	1.51E-04
461	652427.29	4194535.08	1.63E-04	1.44E-04	2.70E-05	2.50E-05	1.48E-05	1.24E-05	1.68E-04	1.44E-04
462	652413.65	4193903.12	1.75E-04	1.55E-04	2.91E-05	2.69E-05	1.60E-05	1.34E-05	1.81E-04	1.55E-04
463	652424.33	4193934.83	1.79E-04	1.58E-04	2.97E-05	2.75E-05	1.63E-05	1.36E-05	1.85E-04	1.59E-04
464	652435.01	4193966.55	1.81E-04	1.60E-04	3.01E-05	2.79E-05	1.66E-05	1.38E-05	1.87E-04	1.61E-04
465	652445.7	4193998.26	1.83E-04	1.62E-04	3.03E-05	2.80E-05	1.67E-05	1.39E-05	1.89E-04	1.62E-04
466	652456.38	4194029.98	1.83E-04	1.61E-04	3.03E-05	2.80E-05	1.67E-05	1.39E-05	1.88E-04	1.62E-04
467	652467.07	4194061.69	1.82E-04	1.61E-04	3.01E-05	2.79E-05	1.66E-05	1.38E-05	1.87E-04	1.61E-04
468	652477.75	4194093.41	1.79E-04	1.58E-04	2.97E-05	2.75E-05	1.63E-05	1.37E-05	1.85E-04	1.59E-04
469	652488.43	4194125.12	1.76E-04	1.56E-04	2.92E-05	2.70E-05	1.61E-05	1.34E-05	1.82E-04	1.56E-04
470	652499.12	4194156.84	1.72E-04	1.52E-04	2.85E-05	2.64E-05	1.57E-05	1.31E-05	1.78E-04	1.53E-04
471	652509.8	4194188.55	1.68E-04	1.48E-04	2.78E-05	2.58E-05	1.53E-05	1.28E-05	1.73E-04	1.49E-04
472	652520.49	4194220.26	1.63E-04	1.44E-04	2.70E-05	2.50E-05	1.49E-05	1.24E-05	1.68E-04	1.45E-04
473	652531.17	4194251.98	1.58E-04	1.40E-04	2.62E-05	2.42E-05	1.44E-05	1.20E-05	1.63E-04	1.40E-04
474	652541.86	4194283.69	1.52E-04	1.35E-04	2.53E-05	2.34E-05	1.39E-05	1.16E-05	1.57E-04	1.35E-04
475	652552.54	4194315.41	1.47E-04	1.30E-04	2.43E-05	2.25E-05	1.34E-05	1.12E-05	1.51E-04	1.30E-04
476	652563.22	4194347.12	1.41E-04	1.25E-04	2.34E-05	2.16E-05	1.29E-05	1.07E-05	1.45E-04	1.25E-04

477	652570.35	4194368.27	1.37E-04	1.21E-04	2.27E-05	2.10E-05	1.25E-05	1.04E-05	1.42E-04	1.22E-04
478	652581.03	4194399.98	1.32E-04	1.16E-04	2.18E-05	2.02E-05	1.20E-05	1.00E-05	1.36E-04	1.17E-04
479	652591.71	4194431.69	1.26E-04	1.12E-04	2.09E-05	1.94E-05	1.15E-05	9.61E-06	1.30E-04	1.12E-04
480	652598.84	4194452.84	1.23E-04	1.09E-04	2.03E-05	1.88E-05	1.12E-05	9.35E-06	1.27E-04	1.09E-04
481	652609.52	4194484.55	1.18E-04	1.04E-04	1.96E-05	1.81E-05	1.08E-05	8.99E-06	1.22E-04	1.05E-04
482	652620.21	4194516.27	1.14E-04	1.01E-04	1.88E-05	1.75E-05	1.04E-05	8.66E-06	1.17E-04	1.01E-04
483	652630.89	4194547.98	1.10E-04	9.72E-05	1.82E-05	1.69E-05	1.00E-05	8.37E-06	1.13E-04	9.75E-05
484	652571.58	4193780.48	1.33E-04	1.17E-04	2.20E-05	2.04E-05	1.21E-05	1.01E-05	1.37E-04	1.18E-04
485	652582.38	4193812.54	1.35E-04	1.20E-04	2.24E-05	2.07E-05	1.23E-05	1.03E-05	1.39E-04	1.20E-04
486	652589.58	4193833.91	1.36E-04	1.21E-04	2.26E-05	2.09E-05	1.24E-05	1.04E-05	1.41E-04	1.21E-04
487	652600.38	4193865.96	1.38E-04	1.22E-04	2.28E-05	2.11E-05	1.26E-05	1.05E-05	1.42E-04	1.22E-04
488	652611.18	4193898.02	1.38E-04	1.22E-04	2.29E-05	2.12E-05	1.26E-05	1.05E-05	1.42E-04	1.22E-04
489	652618.38	4193919.39	1.38E-04	1.22E-04	2.28E-05	2.11E-05	1.26E-05	1.05E-05	1.42E-04	1.22E-04
490	652629.18	4193951.45	1.37E-04	1.21E-04	2.27E-05	2.10E-05	1.25E-05	1.04E-05	1.41E-04	1.21E-04
491	652639.98	4193983.5	1.35E-04	1.20E-04	2.24E-05	2.08E-05	1.23E-05	1.03E-05	1.40E-04	1.20E-04
492	652650.78	4194015.56	1.33E-04	1.18E-04	2.21E-05	2.05E-05	1.22E-05	1.02E-05	1.38E-04	1.18E-04
493	652657.98	4194036.93	1.32E-04	1.17E-04	2.18E-05	2.02E-05	1.20E-05	1.00E-05	1.36E-04	1.17E-04
494	652668.78	4194068.98	1.29E-04	1.14E-04	2.14E-05	1.98E-05	1.18E-05	9.84E-06	1.33E-04	1.15E-04
495	652679.57	4194101.04	1.26E-04	1.12E-04	2.09E-05	1.94E-05	1.15E-05	9.63E-06	1.30E-04	1.12E-04
496	652686.77	4194122.41	1.24E-04	1.10E-04	2.06E-05	1.91E-05	1.13E-05	9.48E-06	1.28E-04	1.10E-04
497	652697.57	4194154.47	1.21E-04	1.07E-04	2.01E-05	1.86E-05	1.11E-05	9.23E-06	1.25E-04	1.07E-04
498	652708.37	4194186.52	1.18E-04	1.04E-04	1.95E-05	1.81E-05	1.07E-05	8.97E-06	1.22E-04	1.04E-04
499	652715.57	4194207.89	1.15E-04	1.02E-04	1.91E-05	1.77E-05	1.05E-05	8.79E-06	1.19E-04	1.02E-04
500	652726.37	4194239.95	1.12E-04	9.88E-05	1.85E-05	1.72E-05	1.02E-05	8.51E-06	1.15E-04	9.91E-05
501	652737.17	4194272.01	1.08E-04	9.55E-05	1.79E-05	1.66E-05	9.85E-06	8.22E-06	1.11E-04	9.57E-05
502	652744.37	4194293.38	1.05E-04	9.32E-05	1.75E-05	1.62E-05	9.62E-06	8.03E-06	1.09E-04	9.35E-05
503	652755.17	4194325.43	1.02E-04	8.99E-05	1.69E-05	1.56E-05	9.28E-06	7.75E-06	1.05E-04	9.02E-05
504	652762.37	4194346.8	9.92E-05	8.78E-05	1.64E-05	1.52E-05	9.05E-06	7.56E-06	1.02E-04	8.80E-05
505	652773.17	4194378.86	9.57E-05	8.47E-05	1.59E-05	1.47E-05	8.74E-06	7.29E-06	9.88E-05	8.49E-05
506	652783.97	4194410.92	9.25E-05	8.18E-05	1.53E-05	1.42E-05	8.44E-06	7.04E-06	9.54E-05	8.20E-05
507	652791.17	4194432.29	9.04E-05	7.99E-05	1.50E-05	1.39E-05	8.25E-06	6.89E-06	9.33E-05	8.02E-05
508	652801.97	4194464.34	8.75E-05	7.74E-05	1.45E-05	1.34E-05	7.99E-06	6.67E-06	9.03E-05	7.76E-05
509	652812.76	4194496.4	8.49E-05	7.51E-05	1.41E-05	1.30E-05	7.75E-06	6.47E-06	8.77E-05	7.53E-05
510	652819.96	4194517.77	8.34E-05	7.37E-05	1.38E-05	1.28E-05	7.61E-06	6.35E-06	8.61E-05	7.40E-05
511	652830.76	4194549.82	8.13E-05	7.19E-05	1.35E-05	1.25E-05	7.41E-06	6.19E-06	8.39E-05	7.21E-05
512	652729.47	4193657.69	1.05E-04	9.26E-05	1.74E-05	1.61E-05	9.55E-06	7.98E-06	1.08E-04	9.29E-05
513	652740.23	4193689.64	1.07E-04	9.42E-05	1.77E-05	1.64E-05	9.72E-06	8.12E-06	1.10E-04	9.45E-05
514	652750.99	4193721.58	1.08E-04	9.54E-05	1.79E-05	1.66E-05	9.84E-06	8.22E-06	1.11E-04	9.56E-05
515	652758.17	4193742.88	1.08E-04	9.59E-05	1.80E-05	1.66E-05	9.89E-06	8.26E-06	1.12E-04	9.62E-05
516	652768.93	4193774.82	1.09E-04	9.62E-05	1.80E-05	1.67E-05	9.93E-06	8.29E-06	1.12E-04	9.65E-05
517	652779.69	4193806.76	1.09E-04	9.60E-05	1.80E-05	1.67E-05	9.90E-06	8.27E-06	1.12E-04	9.63E-05
518	652790.45	4193838.71	1.08E-04	9.53E-05	1.79E-05	1.66E-05	9.84E-06	8.21E-06	1.11E-04	9.56E-05
519	652801.21	4193870.65	1.07E-04	9.43E-05	1.77E-05	1.64E-05	9.73E-06	8.12E-06	1.10E-04	9.46E-05
520	652811.97	4193902.6	1.05E-04	9.30E-05	1.74E-05	1.61E-05	9.60E-06	8.01E-06	1.09E-04	9.33E-05
521	652819.15	4193923.89	1.04E-04	9.21E-05	1.73E-05	1.60E-05	9.50E-06	7.93E-06	1.07E-04	9.23E-05
522	652829.91	4193955.84	1.02E-04	9.05E-05	1.70E-05	1.57E-05	9.34E-06	7.80E-06	1.06E-04	9.08E-05
523	652837.08	4193977.13	1.01E-04	8.95E-05	1.68E-05	1.55E-05	9.23E-06	7.71E-06	1.04E-04	8.98E-05
524	652847.85	4194009.08	9.93E-05	8.78E-05	1.65E-05	1.52E-05	9.06E-06	7.57E-06	1.02E-04	8.81E-05
525	652858.61	4194041.02	9.74E-05	8.61E-05	1.61E-05	1.49E-05	8.88E-06	7.42E-06	1.01E-04	8.64E-05
526	652869.37	4194072.96	9.53E-05	8.43E-05	1.58E-05	1.46E-05	8.69E-06	7.26E-06	9.83E-05	8.45E-05
527	652880.13	4194104.91	9.30E-05	8.23E-05	1.54E-05	1.43E-05	8.49E-06	7.09E-06	9.60E-05	8.25E-05
528	652890.89	4194136.85	9.06E-05	8.01E-05	1.50E-05	1.39E-05	8.27E-06	6.90E-06	9.35E-05	8.04E-05
529	652898.06	4194158.15	8.90E-05	7.87E-05	1.47E-05	1.37E-05	8.12E-06	6.78E-06	9.18E-05	7.89E-05
530	652908.83	4194190.09	8.64E-05	7.64E-05	1.43E-05	1.33E-05	7.89E-06	6.59E-06	8.92E-05	7.67E-05
531	652916	4194211.39	8.47E-05	7.49E-05	1.40E-05	1.30E-05	7.73E-06	6.45E-06	8.74E-05	7.51E-05
532	652926.76	4194243.33	8.21E-05	7.26E-05	1.36E-05	1.26E-05	7.49E-06	6.25E-06	8.47E-05	7.28E-05
533	652933.94	4194264.63	8.04E-05	7.11E-05	1.33E-05	1.23E-05	7.33E-06	6.12E-06	8.29E-05	7.13E-05
534	652944.7	4194296.57	7.79E-05	6.89E-05	1.29E-05	1.20E-05	7.10E-06	5.93E-06	8.04E-05	6.91E-05
535	652951.87	4194317.87	7.63E-05	6.74E-05	1.26E-05	1.17E-05	6.96E-06	5.81E-06	7.87E-05	6.76E-05
536	652962.63	4194349.81	7.40E-05	6.54E-05	1.23E-05	1.14E-05	6.75E-06	5.64E-06	7.63E-05	6.56E-05

537	652973.39	4194381.75	7.19E-05	6.35E-05	1.19E-05	1.10E-05	6.56E-06	5.47E-06	7.42E-05	6.37E-05
538	652984.16	4194413.7	6.99E-05	6.18E-05	1.16E-05	1.07E-05	6.38E-06	5.33E-06	7.22E-05	6.20E-05
539	652991.33	4194434.99	6.87E-05	6.07E-05	1.14E-05	1.05E-05	6.27E-06	5.23E-06	7.09E-05	6.09E-05
540	652998.5	4194456.29	6.76E-05	5.97E-05	1.12E-05	1.04E-05	6.16E-06	5.15E-06	6.97E-05	5.99E-05
541	653009.27	4194488.23	6.60E-05	5.84E-05	1.09E-05	1.01E-05	6.02E-06	5.03E-06	6.81E-05	5.85E-05
542	653016.44	4194509.53	6.50E-05	5.75E-05	1.08E-05	9.98E-06	5.93E-06	4.95E-06	6.71E-05	5.77E-05
543	653023.61	4194530.83	6.42E-05	5.67E-05	1.06E-05	9.85E-06	5.85E-06	4.89E-06	6.62E-05	5.69E-05
544	653034.38	4194562.77	6.30E-05	5.57E-05	1.04E-05	9.67E-06	5.74E-06	4.80E-06	6.50E-05	5.58E-05
545	651590.13	4194476.98	3.69E-03	3.26E-03	6.12E-04	5.66E-04	3.37E-04	2.81E-04	3.81E-03	3.27E-03
546	651607.76	4194492.27	3.91E-03	3.46E-03	6.48E-04	6.00E-04	3.57E-04	2.98E-04	4.03E-03	3.47E-03
547	651615.33	4194433.92	2.49E-03	2.20E-03	4.13E-04	3.82E-04	2.27E-04	1.90E-04	2.57E-03	2.21E-03
548	651634.22	4194450.3	2.67E-03	2.36E-03	4.43E-04	4.10E-04	2.44E-04	2.03E-04	2.76E-03	2.37E-03
549	651639.69	4194390.13	1.78E-03	1.58E-03	2.96E-04	2.74E-04	1.63E-04	1.36E-04	1.84E-03	1.58E-03
550	651657.33	4194405.42	1.92E-03	1.69E-03	3.18E-04	2.94E-04	1.75E-04	1.46E-04	1.98E-03	1.70E-03
551	651674.96	4194420.7	2.00E-03	1.77E-03	3.32E-04	3.08E-04	1.83E-04	1.53E-04	2.07E-03	1.78E-03
552	651664.72	4194346.92	1.34E-03	1.19E-03	2.22E-04	2.06E-04	1.22E-04	1.02E-04	1.38E-03	1.19E-03
553	651683.09	4194362.84	1.44E-03	1.28E-03	2.39E-04	2.22E-04	1.32E-04	1.10E-04	1.49E-03	1.28E-03
554	651701.45	4194378.76	1.52E-03	1.34E-03	2.52E-04	2.33E-04	1.39E-04	1.16E-04	1.57E-03	1.35E-03
555	651719.82	4194394.69	1.57E-03	1.38E-03	2.60E-04	2.40E-04	1.43E-04	1.19E-04	1.62E-03	1.39E-03
556	651689.68	4194303.64	1.04E-03	9.21E-04	1.73E-04	1.60E-04	9.50E-05	7.94E-05	1.08E-03	9.24E-04
557	651708.57	4194320.02	1.12E-03	9.92E-04	1.86E-04	1.72E-04	1.02E-04	8.55E-05	1.16E-03	9.95E-04
558	651727.46	4194336.4	1.19E-03	1.05E-03	1.97E-04	1.82E-04	1.08E-04	9.04E-05	1.22E-03	1.05E-03
559	651746.35	4194352.78	1.23E-03	1.09E-03	2.04E-04	1.89E-04	1.12E-04	9.38E-05	1.27E-03	1.09E-03
560	651765.24	4194369.15	1.25E-03	1.11E-03	2.08E-04	1.93E-04	1.14E-04	9.56E-05	1.29E-03	1.11E-03
561	651739.13	4194216.69	6.76E-04	5.98E-04	1.12E-04	1.04E-04	6.17E-05	5.15E-05	6.98E-04	6.00E-04
562	651757.69	4194232.78	7.24E-04	6.40E-04	1.20E-04	1.11E-04	6.61E-05	5.52E-05	7.48E-04	6.42E-04
563	651776.25	4194248.87	7.67E-04	6.78E-04	1.27E-04	1.18E-04	6.99E-05	5.84E-05	7.91E-04	6.80E-04
564	651794.81	4194264.96	8.02E-04	7.09E-04	1.33E-04	1.23E-04	7.31E-05	6.11E-05	8.27E-04	7.11E-04
565	651813.37	4194281.06	8.28E-04	7.33E-04	1.37E-04	1.27E-04	7.56E-05	6.31E-05	8.55E-04	7.35E-04
566	651831.93	4194297.15	8.45E-04	7.48E-04	1.40E-04	1.30E-04	7.71E-05	6.44E-05	8.73E-04	7.50E-04
567	651788.9	4194130.01	4.73E-04	4.18E-04	7.84E-05	7.26E-05	4.32E-05	3.61E-05	4.88E-04	4.20E-04
568	651808.06	4194146.63	5.05E-04	4.46E-04	8.37E-05	7.75E-05	4.61E-05	3.85E-05	5.21E-04	4.48E-04
569	651827.23	4194163.24	5.34E-04	4.72E-04	8.84E-05	8.19E-05	4.87E-05	4.07E-05	5.51E-04	4.73E-04
570	651846.39	4194179.86	5.59E-04	4.94E-04	9.27E-05	8.58E-05	5.10E-05	4.26E-05	5.77E-04	4.96E-04
571	651865.55	4194196.48	5.81E-04	5.13E-04	9.62E-05	8.91E-05	5.30E-05	4.42E-05	5.99E-04	5.15E-04
572	651884.72	4194213.09	5.97E-04	5.28E-04	9.90E-05	9.17E-05	5.45E-05	4.55E-05	6.17E-04	5.30E-04
573	651903.88	4194229.71	6.09E-04	5.38E-04	1.01E-04	9.35E-05	5.56E-05	4.64E-05	6.28E-04	5.40E-04
574	651923.05	4194246.32	6.15E-04	5.43E-04	1.02E-04	9.43E-05	5.61E-05	4.68E-05	6.34E-04	5.45E-04
575	651838.37	4194043.08	3.49E-04	3.09E-04	5.78E-05	5.36E-05	3.18E-05	2.66E-05	3.60E-04	3.09E-04
576	651857.26	4194059.46	3.70E-04	3.27E-04	6.13E-05	5.68E-05	3.37E-05	2.82E-05	3.82E-04	3.28E-04
577	651876.15	4194075.84	3.89E-04	3.44E-04	6.45E-05	5.98E-05	3.55E-05	2.97E-05	4.02E-04	3.45E-04
578	651895.04	4194092.22	4.07E-04	3.60E-04	6.75E-05	6.25E-05	3.72E-05	3.10E-05	4.20E-04	3.61E-04
579	651913.93	4194108.59	4.23E-04	3.74E-04	7.02E-05	6.50E-05	3.86E-05	3.23E-05	4.37E-04	3.75E-04
580	651932.82	4194124.97	4.37E-04	3.87E-04	7.25E-05	6.71E-05	3.99E-05	3.33E-05	4.51E-04	3.88E-04
581	651951.71	4194141.35	4.49E-04	3.97E-04	7.44E-05	6.89E-05	4.09E-05	3.42E-05	4.63E-04	3.98E-04
582	651970.6	4194157.73	4.57E-04	4.05E-04	7.58E-05	7.02E-05	4.17E-05	3.49E-05	4.72E-04	4.06E-04
583	651989.5	4194174.11	4.63E-04	4.09E-04	7.67E-05	7.11E-05	4.22E-05	3.53E-05	4.78E-04	4.11E-04
584	651888.06	4193956.34	2.68E-04	2.37E-04	4.45E-05	4.12E-05	2.45E-05	2.04E-05	2.77E-04	2.38E-04
585	651907.35	4193973.06	2.83E-04	2.51E-04	4.70E-05	4.35E-05	2.58E-05	2.16E-05	2.92E-04	2.51E-04
586	651926.63	4193989.78	2.97E-04	2.63E-04	4.93E-05	4.57E-05	2.71E-05	2.27E-05	3.07E-04	2.64E-04
587	651945.92	4194006.5	3.11E-04	2.75E-04	5.15E-05	4.77E-05	2.83E-05	2.37E-05	3.21E-04	2.75E-04
588	651965.2	4194023.22	3.23E-04	2.85E-04	5.35E-05	4.95E-05	2.94E-05	2.46E-05	3.33E-04	2.86E-04
589	651984.49	4194039.94	3.34E-04	2.95E-04	5.53E-05	5.12E-05	3.04E-05	2.54E-05	3.44E-04	2.96E-04
590	652003.77	4194056.66	3.43E-04	3.03E-04	5.69E-05	5.27E-05	3.13E-05	2.61E-05	3.54E-04	3.04E-04
591	652023.05	4194073.38	3.51E-04	3.10E-04	5.82E-05	5.39E-05	3.20E-05	2.67E-05	3.62E-04	3.11E-04
592	652042.34	4194090.1	3.57E-04	3.16E-04	5.92E-05	5.48E-05	3.26E-05	2.72E-05	3.69E-04	3.17E-04
593	652061.62	4194106.82	3.62E-04	3.20E-04	5.99E-05	5.55E-05	3.30E-05	2.75E-05	3.73E-04	3.21E-04
594	652080.91	4194123.54	3.64E-04	3.22E-04	6.03E-05	5.59E-05	3.32E-05	2.77E-05	3.76E-04	3.23E-04
595	651987.21	4193782.65	1.74E-04	1.54E-04	2.88E-05	2.67E-05	1.58E-05	1.32E-05	1.79E-04	1.54E-04
596	652006.56	4193799.43	1.82E-04	1.61E-04	3.01E-05	2.79E-05	1.66E-05	1.39E-05	1.88E-04	1.61E-04

597	652025.92	4193816.21	1.90E-04	1.68E-04	3.14E-05	2.91E-05	1.73E-05	1.45E-05	1.96E-04	1.68E-04
598	652045.27	4193832.99	1.97E-04	1.74E-04	3.27E-05	3.03E-05	1.80E-05	1.50E-05	2.04E-04	1.75E-04
599	652064.62	4193849.77	2.04E-04	1.81E-04	3.39E-05	3.14E-05	1.86E-05	1.56E-05	2.11E-04	1.81E-04
600	652083.97	4193866.54	2.11E-04	1.86E-04	3.49E-05	3.24E-05	1.92E-05	1.61E-05	2.18E-04	1.87E-04
601	652103.32	4193883.32	2.17E-04	1.92E-04	3.59E-05	3.33E-05	1.98E-05	1.65E-05	2.24E-04	1.92E-04
602	652122.67	4193900.1	2.22E-04	1.97E-04	3.69E-05	3.41E-05	2.03E-05	1.69E-05	2.29E-04	1.97E-04
603	652142.03	4193916.88	2.27E-04	2.01E-04	3.77E-05	3.49E-05	2.07E-05	1.73E-05	2.35E-04	2.02E-04
604	652161.38	4193933.65	2.32E-04	2.05E-04	3.84E-05	3.56E-05	2.11E-05	1.77E-05	2.39E-04	2.05E-04
605	652180.73	4193950.43	2.35E-04	2.08E-04	3.90E-05	3.61E-05	2.15E-05	1.79E-05	2.43E-04	2.09E-04
606	652200.08	4193967.21	2.39E-04	2.11E-04	3.95E-05	3.66E-05	2.18E-05	1.82E-05	2.46E-04	2.12E-04
607	652219.43	4193983.99	2.41E-04	2.13E-04	3.99E-05	3.70E-05	2.20E-05	1.83E-05	2.48E-04	2.14E-04
608	652238.78	4194000.77	2.42E-04	2.14E-04	4.01E-05	3.71E-05	2.21E-05	1.84E-05	2.49E-04	2.14E-04
609	652086.23	4193608.85	1.22E-04	1.08E-04	2.03E-05	1.88E-05	1.12E-05	9.31E-06	1.26E-04	1.08E-04
610	652105.24	4193625.34	1.27E-04	1.12E-04	2.11E-05	1.95E-05	1.16E-05	9.68E-06	1.31E-04	1.13E-04
611	652124.26	4193641.82	1.32E-04	1.17E-04	2.19E-05	2.02E-05	1.20E-05	1.00E-05	1.36E-04	1.17E-04
612	652143.27	4193658.31	1.36E-04	1.21E-04	2.26E-05	2.09E-05	1.24E-05	1.04E-05	1.41E-04	1.21E-04
613	652162.28	4193674.79	1.41E-04	1.25E-04	2.33E-05	2.16E-05	1.28E-05	1.07E-05	1.45E-04	1.25E-04
614	652181.3	4193691.28	1.45E-04	1.28E-04	2.40E-05	2.22E-05	1.32E-05	1.10E-05	1.50E-04	1.28E-04
615	652200.31	4193707.76	1.49E-04	1.32E-04	2.46E-05	2.28E-05	1.36E-05	1.13E-05	1.53E-04	1.32E-04
616	652219.33	4193724.25	1.52E-04	1.35E-04	2.53E-05	2.34E-05	1.39E-05	1.16E-05	1.57E-04	1.35E-04
617	652238.34	4193740.73	1.56E-04	1.38E-04	2.58E-05	2.39E-05	1.42E-05	1.19E-05	1.61E-04	1.38E-04
618	652257.36	4193757.22	1.59E-04	1.40E-04	2.63E-05	2.44E-05	1.45E-05	1.21E-05	1.64E-04	1.41E-04
619	652276.37	4193773.7	1.62E-04	1.43E-04	2.68E-05	2.48E-05	1.47E-05	1.23E-05	1.67E-04	1.43E-04
620	652295.39	4193790.19	1.64E-04	1.45E-04	2.72E-05	2.52E-05	1.50E-05	1.25E-05	1.69E-04	1.46E-04
621	652314.4	4193806.68	1.67E-04	1.47E-04	2.76E-05	2.56E-05	1.52E-05	1.27E-05	1.72E-04	1.48E-04
622	652333.41	4193823.16	1.69E-04	1.49E-04	2.80E-05	2.59E-05	1.54E-05	1.29E-05	1.74E-04	1.50E-04
623	652352.43	4193839.65	1.71E-04	1.51E-04	2.83E-05	2.62E-05	1.56E-05	1.30E-05	1.76E-04	1.51E-04
624	652371.44	4193856.13	1.72E-04	1.52E-04	2.85E-05	2.64E-05	1.57E-05	1.31E-05	1.77E-04	1.52E-04
625	652390.46	4193872.62	1.73E-04	1.53E-04	2.87E-05	2.65E-05	1.58E-05	1.32E-05	1.78E-04	1.53E-04
626	652185.38	4193435.17	9.14E-05	8.08E-05	1.52E-05	1.40E-05	8.34E-06	6.97E-06	9.44E-05	8.11E-05
627	652204.48	4193451.73	9.46E-05	8.37E-05	1.57E-05	1.45E-05	8.63E-06	7.21E-06	9.77E-05	8.39E-05
628	652223.58	4193468.29	9.78E-05	8.65E-05	1.62E-05	1.50E-05	8.92E-06	7.45E-06	1.01E-04	8.67E-05
629	652242.69	4193484.85	1.01E-04	8.91E-05	1.67E-05	1.55E-05	9.20E-06	7.68E-06	1.04E-04	8.94E-05
630	652261.79	4193501.41	1.04E-04	9.17E-05	1.72E-05	1.59E-05	9.46E-06	7.90E-06	1.07E-04	9.20E-05
631	652280.89	4193517.97	1.07E-04	9.42E-05	1.77E-05	1.64E-05	9.72E-06	8.12E-06	1.10E-04	9.45E-05
632	652299.99	4193534.53	1.09E-04	9.66E-05	1.81E-05	1.68E-05	9.97E-06	8.32E-06	1.13E-04	9.69E-05
633	652319.09	4193551.09	1.12E-04	9.88E-05	1.85E-05	1.72E-05	1.02E-05	8.51E-06	1.15E-04	9.91E-05
634	652338.19	4193567.65	1.14E-04	1.01E-04	1.89E-05	1.75E-05	1.04E-05	8.69E-06	1.18E-04	1.01E-04
635	652357.29	4193584.21	1.16E-04	1.03E-04	1.93E-05	1.78E-05	1.06E-05	8.85E-06	1.20E-04	1.03E-04
636	652376.39	4193600.77	1.18E-04	1.05E-04	1.96E-05	1.81E-05	1.08E-05	9.01E-06	1.22E-04	1.05E-04
637	652395.49	4193617.33	1.20E-04	1.06E-04	1.99E-05	1.84E-05	1.10E-05	9.15E-06	1.24E-04	1.07E-04
638	652414.59	4193633.89	1.22E-04	1.08E-04	2.02E-05	1.87E-05	1.11E-05	9.29E-06	1.26E-04	1.08E-04
639	652433.69	4193650.45	1.24E-04	1.09E-04	2.05E-05	1.90E-05	1.13E-05	9.42E-06	1.28E-04	1.10E-04
640	652452.8	4193667.01	1.25E-04	1.11E-04	2.08E-05	1.92E-05	1.14E-05	9.54E-06	1.29E-04	1.11E-04
641	652471.9	4193683.57	1.27E-04	1.12E-04	2.10E-05	1.95E-05	1.16E-05	9.66E-06	1.31E-04	1.12E-04
642	652491	4193700.13	1.28E-04	1.13E-04	2.12E-05	1.97E-05	1.17E-05	9.76E-06	1.32E-04	1.14E-04
643	652510.1	4193716.69	1.30E-04	1.15E-04	2.15E-05	1.99E-05	1.18E-05	9.87E-06	1.34E-04	1.15E-04
644	652529.2	4193733.26	1.30E-04	1.15E-04	2.16E-05	2.00E-05	1.19E-05	9.94E-06	1.35E-04	1.16E-04
645	652548.3	4193749.82	1.31E-04	1.16E-04	2.17E-05	2.01E-05	1.20E-05	9.99E-06	1.35E-04	1.16E-04
646	652284.53	4193261.48	7.14E-05	6.31E-05	1.18E-05	1.10E-05	6.51E-06	5.44E-06	7.37E-05	6.33E-05
647	652303.7	4193278.1	7.36E-05	6.51E-05	1.22E-05	1.13E-05	6.72E-06	5.61E-06	7.60E-05	6.53E-05
648	652322.86	4193294.71	7.58E-05	6.70E-05	1.26E-05	1.16E-05	6.92E-06	5.78E-06	7.82E-05	6.72E-05
649	652342.03	4193311.33	7.80E-05	6.89E-05	1.29E-05	1.20E-05	7.11E-06	5.94E-06	8.05E-05	6.92E-05
650	652361.19	4193327.95	8.01E-05	7.08E-05	1.33E-05	1.23E-05	7.31E-06	6.10E-06	8.26E-05	7.10E-05
651	652380.35	4193344.56	8.21E-05	7.26E-05	1.36E-05	1.26E-05	7.49E-06	6.26E-06	8.48E-05	7.28E-05
652	652399.52	4193361.18	8.40E-05	7.43E-05	1.39E-05	1.29E-05	7.67E-06	6.40E-06	8.67E-05	7.45E-05
653	652418.68	4193377.79	8.59E-05	7.59E-05	1.42E-05	1.32E-05	7.83E-06	6.54E-06	8.86E-05	7.62E-05
654	652437.85	4193394.41	8.76E-05	7.74E-05	1.45E-05	1.34E-05	7.99E-06	6.67E-06	9.04E-05	7.77E-05
655	652457.01	4193411.02	8.92E-05	7.89E-05	1.48E-05	1.37E-05	8.14E-06	6.80E-06	9.21E-05	7.91E-05
656	652476.18	4193427.64	9.07E-05	8.02E-05	1.50E-05	1.39E-05	8.28E-06	6.91E-06	9.36E-05	8.05E-05

657	652495.34	4193444.25	9.21E-05	8.15E-05	1.53E-05	1.41E-05	8.41E-06	7.02E-06	9.51E-05	8.17E-05
658	652514.51	4193460.87	9.35E-05	8.26E-05	1.55E-05	1.43E-05	8.53E-06	7.12E-06	9.65E-05	8.29E-05
659	652533.67	4193477.49	9.49E-05	8.39E-05	1.57E-05	1.46E-05	8.65E-06	7.23E-06	9.79E-05	8.41E-05
660	652552.84	4193494.1	9.61E-05	8.50E-05	1.59E-05	1.48E-05	8.77E-06	7.32E-06	9.92E-05	8.53E-05
661	652572	4193510.72	9.73E-05	8.60E-05	1.61E-05	1.49E-05	8.88E-06	7.41E-06	1.00E-04	8.63E-05
662	652591.17	4193527.33	9.84E-05	8.70E-05	1.63E-05	1.51E-05	8.98E-06	7.50E-06	1.02E-04	8.73E-05
663	652610.33	4193543.95	9.95E-05	8.80E-05	1.65E-05	1.53E-05	9.08E-06	7.58E-06	1.03E-04	8.83E-05
664	652629.5	4193560.56	1.01E-04	8.89E-05	1.67E-05	1.54E-05	9.17E-06	7.66E-06	1.04E-04	8.91E-05
665	652648.66	4193577.18	1.01E-04	8.97E-05	1.68E-05	1.56E-05	9.25E-06	7.73E-06	1.05E-04	9.00E-05
666	652667.83	4193593.8	1.02E-04	9.04E-05	1.69E-05	1.57E-05	9.33E-06	7.79E-06	1.06E-04	9.07E-05
667	652686.99	4193610.41	1.03E-04	9.10E-05	1.71E-05	1.58E-05	9.39E-06	7.84E-06	1.06E-04	9.13E-05
668	652706.16	4193627.03	1.03E-04	9.15E-05	1.71E-05	1.59E-05	9.44E-06	7.88E-06	1.07E-04	9.17E-05
669	651540.45	4194507.8	5.67E-03	5.01E-03	9.39E-04	8.70E-04	5.17E-04	4.32E-04	5.85E-03	5.03E-03
670	651508.75	4194503.89	5.31E-03	4.69E-03	8.80E-04	8.15E-04	4.84E-04	4.04E-04	5.48E-03	4.71E-03
671	651547.04	4194484.45	4.25E-03	3.76E-03	7.05E-04	6.53E-04	3.88E-04	3.24E-04	4.39E-03	3.77E-03
672	651509.55	4194478.9	3.81E-03	3.37E-03	6.32E-04	5.85E-04	3.48E-04	2.91E-04	3.94E-03	3.38E-03
673	651545.9	4194458.92	3.22E-03	2.85E-03	5.33E-04	4.94E-04	2.94E-04	2.45E-04	3.32E-03	2.85E-03
674	651510.34	4194453.91	2.83E-03	2.51E-03	4.70E-04	4.35E-04	2.59E-04	2.16E-04	2.93E-03	2.51E-03
675	651549.43	4194409.49	1.99E-03	1.76E-03	3.30E-04	3.05E-04	1.82E-04	1.52E-04	2.05E-03	1.76E-03
676	651511.93	4194403.94	1.68E-03	1.49E-03	2.79E-04	2.58E-04	1.53E-04	1.28E-04	1.73E-03	1.49E-03
677	651552.18	4194359.84	1.30E-03	1.15E-03	2.16E-04	2.00E-04	1.19E-04	9.92E-05	1.34E-03	1.15E-03
678	651589.28	4194370.32	1.53E-03	1.35E-03	2.54E-04	2.35E-04	1.40E-04	1.17E-04	1.58E-03	1.36E-03
679	651513.52	4194353.96	1.07E-03	9.49E-04	1.78E-04	1.65E-04	9.79E-05	8.17E-05	1.11E-03	9.52E-04
680	651554.54	4194310.08	8.92E-04	7.89E-04	1.48E-04	1.37E-04	8.14E-05	6.80E-05	9.21E-04	7.91E-04
681	651593.19	4194321	1.07E-03	9.47E-04	1.78E-04	1.64E-04	9.77E-05	8.16E-05	1.11E-03	9.50E-04
682	651631.84	4194331.91	1.22E-03	1.08E-03	2.02E-04	1.87E-04	1.11E-04	9.27E-05	1.26E-03	1.08E-03
683	651515.12	4194303.99	7.27E-04	6.43E-04	1.20E-04	1.12E-04	6.63E-05	5.54E-05	7.50E-04	6.45E-04
684	651554.2	4194259.56	6.28E-04	5.55E-04	1.04E-04	9.63E-05	5.73E-05	4.78E-05	6.48E-04	5.57E-04
685	651623.77	4194279.21	8.60E-04	7.60E-04	1.42E-04	1.32E-04	7.84E-05	6.55E-05	8.87E-04	7.62E-04
686	651658.56	4194289.03	9.52E-04	8.42E-04	1.58E-04	1.46E-04	8.69E-05	7.25E-05	9.83E-04	8.45E-04
687	651516.71	4194254.01	5.17E-04	4.57E-04	8.56E-05	7.93E-05	4.71E-05	3.94E-05	5.33E-04	4.58E-04
688	651558.54	4194159.94	3.54E-04	3.13E-04	5.86E-05	5.43E-05	3.23E-05	2.69E-05	3.65E-04	3.14E-04
689	651595.65	4194170.42	4.24E-04	3.75E-04	7.03E-05	6.51E-05	3.87E-05	3.23E-05	4.38E-04	3.76E-04
690	651632.75	4194180.9	4.96E-04	4.38E-04	8.22E-05	7.61E-05	4.52E-05	3.78E-05	5.12E-04	4.40E-04
691	651669.86	4194191.37	5.64E-04	4.99E-04	9.35E-05	8.66E-05	5.15E-05	4.30E-05	5.82E-04	5.00E-04
692	651706.96	4194201.85	6.22E-04	5.50E-04	1.03E-04	9.55E-05	5.67E-05	4.74E-05	6.42E-04	5.52E-04
693	651519.89	4194154.06	2.94E-04	2.60E-04	4.87E-05	4.51E-05	2.68E-05	2.24E-05	3.03E-04	2.60E-04
694	651562.5	4194060.21	2.22E-04	1.96E-04	3.68E-05	3.41E-05	2.03E-05	1.69E-05	2.29E-04	1.97E-04
695	651601.15	4194071.12	2.64E-04	2.33E-04	4.37E-05	4.05E-05	2.41E-05	2.01E-05	2.72E-04	2.34E-04
696	651639.8	4194082.04	3.09E-04	2.73E-04	5.12E-05	4.74E-05	2.82E-05	2.35E-05	3.19E-04	2.74E-04
697	651678.45	4194092.95	3.55E-04	3.14E-04	5.89E-05	5.45E-05	3.24E-05	2.71E-05	3.67E-04	3.15E-04
698	651717.1	4194103.86	4.00E-04	3.53E-04	6.63E-05	6.14E-05	3.65E-05	3.05E-05	4.13E-04	3.55E-04
699	651755.75	4194114.78	4.38E-04	3.87E-04	7.25E-05	6.72E-05	3.99E-05	3.33E-05	4.52E-04	3.88E-04
700	651523.07	4194054.11	1.88E-04	1.66E-04	3.12E-05	2.89E-05	1.72E-05	1.43E-05	1.94E-04	1.67E-04
701	651564.91	4193960.04	1.51E-04	1.34E-04	2.51E-05	2.32E-05	1.38E-05	1.15E-05	1.56E-04	1.34E-04
702	651602.01	4193970.52	1.75E-04	1.54E-04	2.89E-05	2.68E-05	1.59E-05	1.33E-05	1.80E-04	1.55E-04
703	651639.12	4193981	2.01E-04	1.77E-04	3.32E-05	3.08E-05	1.83E-05	1.53E-05	2.07E-04	1.78E-04
704	651676.22	4193991.47	2.29E-04	2.03E-04	3.80E-05	3.52E-05	2.09E-05	1.75E-05	2.36E-04	2.03E-04
705	651713.33	4194001.95	2.59E-04	2.29E-04	4.29E-05	3.98E-05	2.36E-05	1.97E-05	2.67E-04	2.30E-04
706	651750.43	4194012.43	2.88E-04	2.55E-04	4.78E-05	4.43E-05	2.63E-05	2.20E-05	2.98E-04	2.56E-04
707	651787.54	4194022.9	3.14E-04	2.78E-04	5.21E-05	4.82E-05	2.87E-05	2.39E-05	3.24E-04	2.79E-04
708	651526.25	4193954.16	1.32E-04	1.17E-04	2.19E-05	2.02E-05	1.20E-05	1.00E-05	1.36E-04	1.17E-04
709	651568.64	4193860.25	1.11E-04	9.81E-05	1.84E-05	1.70E-05	1.01E-05	8.45E-06	1.15E-04	9.84E-05
710	651606.83	4193871.03	1.26E-04	1.11E-04	2.08E-05	1.93E-05	1.15E-05	9.58E-06	1.30E-04	1.11E-04
711	651645.03	4193881.82	1.42E-04	1.26E-04	2.36E-05	2.18E-05	1.30E-05	1.08E-05	1.47E-04	1.26E-04
712	651683.22	4193892.6	1.61E-04	1.42E-04	2.67E-05	2.47E-05	1.47E-05	1.23E-05	1.66E-04	1.43E-04
713	651721.42	4193903.39	1.82E-04	1.61E-04	3.01E-05	2.79E-05	1.66E-05	1.38E-05	1.88E-04	1.61E-04
714	651759.62	4193914.17	2.04E-04	1.80E-04	3.37E-05	3.13E-05	1.86E-05	1.55E-05	2.10E-04	1.81E-04
715	651797.81	4193924.96	2.25E-04	1.99E-04	3.72E-05	3.45E-05	2.05E-05	1.71E-05	2.32E-04	1.99E-04
716	651836.01	4193935.74	2.43E-04	2.15E-04	4.04E-05	3.74E-05	2.22E-05	1.85E-05	2.51E-04	2.16E-04

717	651529.44	4193854.21	9.84E-05	8.70E-05	1.63E-05	1.51E-05	8.98E-06	7.50E-06	1.02E-04	8.73E-05
718	651574.88	4193660.31	6.85E-05	6.06E-05	1.14E-05	1.05E-05	6.25E-06	5.22E-06	7.07E-05	6.08E-05
719	651650.77	4193681.74	8.20E-05	7.25E-05	1.36E-05	1.26E-05	7.48E-06	6.25E-06	8.46E-05	7.27E-05
720	651688.72	4193692.46	8.97E-05	7.93E-05	1.49E-05	1.38E-05	8.18E-06	6.83E-06	9.25E-05	7.95E-05
721	651726.67	4193703.17	9.87E-05	8.72E-05	1.64E-05	1.51E-05	9.00E-06	7.52E-06	1.02E-04	8.75E-05
722	651764.62	4193713.89	1.09E-04	9.66E-05	1.81E-05	1.68E-05	9.96E-06	8.32E-06	1.13E-04	9.69E-05
723	651802.57	4193724.6	1.21E-04	1.07E-04	2.00E-05	1.86E-05	1.10E-05	9.21E-06	1.25E-04	1.07E-04
724	651840.51	4193735.32	1.33E-04	1.18E-04	2.20E-05	2.04E-05	1.21E-05	1.01E-05	1.37E-04	1.18E-04
725	651878.46	4193746.03	1.45E-04	1.28E-04	2.40E-05	2.22E-05	1.32E-05	1.10E-05	1.49E-04	1.28E-04
726	651916.41	4193756.75	1.55E-04	1.37E-04	2.57E-05	2.38E-05	1.42E-05	1.18E-05	1.60E-04	1.38E-04
727	651954.36	4193767.46	1.64E-04	1.45E-04	2.73E-05	2.53E-05	1.50E-05	1.25E-05	1.70E-04	1.46E-04
728	651535.8	4193654.32	6.23E-05	5.51E-05	1.03E-05	9.56E-06	5.68E-06	4.74E-06	6.43E-05	5.52E-05
729	651618.96	4193471.06	5.16E-05	4.56E-05	8.55E-06	7.92E-06	4.71E-06	3.93E-06	5.32E-05	4.57E-05
730	651656.75	4193481.73	5.51E-05	4.87E-05	9.14E-06	8.46E-06	5.03E-06	4.20E-06	5.69E-05	4.89E-05
731	651694.54	4193492.41	5.86E-05	5.18E-05	9.72E-06	9.00E-06	5.35E-06	4.47E-06	6.05E-05	5.20E-05
732	651732.33	4193503.08	6.26E-05	5.53E-05	1.04E-05	9.60E-06	5.71E-06	4.77E-06	6.46E-05	5.55E-05
733	651770.12	4193513.75	6.73E-05	5.95E-05	1.12E-05	1.03E-05	6.14E-06	5.13E-06	6.94E-05	5.97E-05
734	651807.91	4193524.42	7.30E-05	6.46E-05	1.21E-05	1.12E-05	6.66E-06	5.56E-06	7.54E-05	6.48E-05
735	651845.71	4193535.09	7.97E-05	7.05E-05	1.32E-05	1.22E-05	7.27E-06	6.07E-06	8.23E-05	7.07E-05
736	651883.5	4193545.76	8.70E-05	7.69E-05	1.44E-05	1.34E-05	7.94E-06	6.63E-06	8.98E-05	7.72E-05
737	651921.29	4193556.43	9.45E-05	8.36E-05	1.57E-05	1.45E-05	8.62E-06	7.20E-06	9.75E-05	8.38E-05
738	651959.08	4193567.1	1.02E-04	8.99E-05	1.69E-05	1.56E-05	9.28E-06	7.75E-06	1.05E-04	9.02E-05
739	651996.87	4193577.77	1.08E-04	9.58E-05	1.80E-05	1.66E-05	9.88E-06	8.25E-06	1.12E-04	9.61E-05
740	652034.67	4193588.45	1.14E-04	1.01E-04	1.89E-05	1.75E-05	1.04E-05	8.70E-06	1.18E-04	1.01E-04
741	651587.47	4193260.48	3.58E-05	3.17E-05	5.94E-06	5.50E-06	3.27E-06	2.73E-06	3.70E-05	3.18E-05
742	651625.16	4193271.12	3.84E-05	3.40E-05	6.37E-06	5.89E-06	3.50E-06	2.93E-06	3.96E-05	3.41E-05
743	651662.84	4193281.76	4.06E-05	3.59E-05	6.73E-06	6.24E-06	3.71E-06	3.09E-06	4.19E-05	3.60E-05
744	651700.53	4193292.4	4.26E-05	3.76E-05	7.06E-06	6.53E-06	3.88E-06	3.24E-06	4.39E-05	3.78E-05
745	651738.21	4193303.04	4.45E-05	3.94E-05	7.38E-06	6.83E-06	4.06E-06	3.39E-06	4.59E-05	3.95E-05
746	651775.9	4193313.68	4.67E-05	4.13E-05	7.74E-06	7.17E-06	4.26E-06	3.56E-06	4.82E-05	4.14E-05
747	651813.58	4193324.32	4.93E-05	4.36E-05	8.18E-06	7.58E-06	4.50E-06	3.76E-06	5.09E-05	4.38E-05
748	651851.27	4193334.96	5.26E-05	4.65E-05	8.72E-06	8.08E-06	4.80E-06	4.01E-06	5.43E-05	4.67E-05
749	651888.95	4193345.6	5.68E-05	5.02E-05	9.41E-06	8.72E-06	5.18E-06	4.33E-06	5.86E-05	5.04E-05
750	651926.64	4193356.25	6.13E-05	5.42E-05	1.02E-05	9.41E-06	5.60E-06	4.67E-06	6.33E-05	5.44E-05
751	651964.32	4193366.89	6.62E-05	5.86E-05	1.10E-05	1.02E-05	6.04E-06	5.05E-06	6.84E-05	5.87E-05
752	652002.01	4193377.53	7.12E-05	6.30E-05	1.18E-05	1.09E-05	6.50E-06	5.43E-06	7.35E-05	6.32E-05
753	652039.69	4193388.17	7.60E-05	6.72E-05	1.26E-05	1.17E-05	6.94E-06	5.79E-06	7.85E-05	6.74E-05
754	652077.37	4193398.81	8.05E-05	7.11E-05	1.33E-05	1.24E-05	7.34E-06	6.13E-06	8.30E-05	7.14E-05
755	652115.06	4193409.45	8.44E-05	7.46E-05	1.40E-05	1.30E-05	7.70E-06	6.43E-06	8.71E-05	7.48E-05
756	652152.74	4193420.09	8.79E-05	7.77E-05	1.46E-05	1.35E-05	8.02E-06	6.69E-06	9.07E-05	7.79E-05
757	651548.53	4193254.52	3.31E-05	2.93E-05	5.49E-06	5.09E-06	3.02E-06	2.52E-06	3.42E-05	2.94E-05
758	651594.32	4193060.72	2.82E-05	2.50E-05	4.68E-06	4.33E-06	2.58E-06	2.15E-06	2.91E-05	2.50E-05
759	651632.97	4193071.63	3.02E-05	2.67E-05	5.01E-06	4.64E-06	2.76E-06	2.30E-06	3.12E-05	2.68E-05
760	651671.62	4193082.54	3.19E-05	2.82E-05	5.28E-06	4.89E-06	2.91E-06	2.43E-06	3.29E-05	2.83E-05
761	651710.28	4193093.46	3.32E-05	2.94E-05	5.51E-06	5.10E-06	3.03E-06	2.53E-06	3.43E-05	2.95E-05
762	651748.93	4193104.37	3.45E-05	3.05E-05	5.71E-06	5.29E-06	3.14E-06	2.62E-06	3.56E-05	3.06E-05
763	651787.58	4193115.28	3.56E-05	3.15E-05	5.91E-06	5.47E-06	3.25E-06	2.72E-06	3.68E-05	3.16E-05
764	651826.23	4193126.2	3.70E-05	3.27E-05	6.14E-06	5.68E-06	3.38E-06	2.82E-06	3.82E-05	3.28E-05
765	651864.88	4193137.11	3.87E-05	3.42E-05	6.42E-06	5.94E-06	3.53E-06	2.95E-06	4.00E-05	3.43E-05
766	651903.53	4193148.03	4.09E-05	3.62E-05	6.78E-06	6.28E-06	3.73E-06	3.11E-06	4.22E-05	3.63E-05
767	651942.18	4193158.94	4.35E-05	3.85E-05	7.21E-06	6.68E-06	3.97E-06	3.32E-06	4.49E-05	3.86E-05
768	651980.83	4193169.85	4.66E-05	4.12E-05	7.73E-06	7.16E-06	4.25E-06	3.55E-06	4.81E-05	4.13E-05
769	652019.48	4193180.77	5.01E-05	4.43E-05	8.30E-06	7.68E-06	4.57E-06	3.81E-06	5.17E-05	4.44E-05
770	652058.13	4193191.68	5.37E-05	4.75E-05	8.90E-06	8.24E-06	4.90E-06	4.09E-06	5.54E-05	4.76E-05
771	652096.78	4193202.59	5.73E-05	5.07E-05	9.49E-06	8.79E-06	5.23E-06	4.36E-06	5.91E-05	5.08E-05
772	652135.43	4193213.51	6.07E-05	5.37E-05	1.01E-05	9.31E-06	5.54E-06	4.62E-06	6.26E-05	5.38E-05
773	652174.09	4193224.42	6.38E-05	5.64E-05	1.06E-05	9.79E-06	5.82E-06	4.86E-06	6.58E-05	5.66E-05
774	652212.74	4193235.33	6.65E-05	5.88E-05	1.10E-05	1.02E-05	6.07E-06	5.07E-06	6.86E-05	5.90E-05
775	652251.39	4193246.25	6.89E-05	6.09E-05	1.14E-05	1.06E-05	6.29E-06	5.25E-06	7.11E-05	6.11E-05
776	651554.9	4193054.62	2.62E-05	2.32E-05	4.34E-06	4.02E-06	2.39E-06	2.00E-06	2.70E-05	2.32E-05

777	651484.49	4194504.05	5.04E-03	4.46E-03	8.36E-04	7.74E-04	4.60E-04	3.84E-04	5.21E-03	4.47E-03
778	651484.28	4194479.05	3.54E-03	3.13E-03	5.87E-04	5.44E-04	3.23E-04	2.70E-04	3.65E-03	3.14E-03
779	651484.07	4194454.05	2.58E-03	2.28E-03	4.27E-04	3.95E-04	2.35E-04	1.96E-04	2.66E-03	2.28E-03
780	651483.65	4194404.05	1.48E-03	1.31E-03	2.45E-04	2.27E-04	1.35E-04	1.13E-04	1.52E-03	1.31E-03
781	651483.23	4194354.05	9.22E-04	8.15E-04	1.53E-04	1.42E-04	8.41E-05	7.02E-05	9.51E-04	8.18E-04
782	651482.8	4194304.06	6.16E-04	5.45E-04	1.02E-04	9.45E-05	5.62E-05	4.69E-05	6.36E-04	5.46E-04
783	651480.69	4194054.07	1.61E-04	1.42E-04	2.66E-05	2.46E-05	1.46E-05	1.22E-05	1.66E-04	1.42E-04
784	651502.1	4193953.88	1.22E-04	1.08E-04	2.02E-05	1.87E-05	1.11E-05	9.29E-06	1.26E-04	1.08E-04
785	651457.6	4193954.26	1.05E-04	9.31E-05	1.75E-05	1.62E-05	9.61E-06	8.02E-06	1.09E-04	9.34E-05
786	651501.25	4193853.88	9.08E-05	8.03E-05	1.50E-05	1.39E-05	8.28E-06	6.92E-06	9.37E-05	8.05E-05
787	651456.76	4193854.26	7.94E-05	7.02E-05	1.32E-05	1.22E-05	7.24E-06	6.05E-06	8.19E-05	7.04E-05
788	651499.56	4193653.89	5.69E-05	5.03E-05	9.43E-06	8.74E-06	5.19E-06	4.34E-06	5.87E-05	5.05E-05
789	651366.08	4193655.02	4.11E-05	3.64E-05	6.82E-06	6.32E-06	3.75E-06	3.13E-06	4.25E-05	3.65E-05
790	651321.59	4193655.39	3.93E-05	3.48E-05	6.52E-06	6.04E-06	3.59E-06	3.00E-06	4.06E-05	3.49E-05
791	651408.89	4193454.65	3.21E-05	2.84E-05	5.32E-06	4.93E-06	2.93E-06	2.45E-06	3.31E-05	2.85E-05
792	651364.4	4193455.03	2.97E-05	2.63E-05	4.93E-06	4.56E-06	2.71E-06	2.26E-06	3.07E-05	2.64E-05
793	651319.9	4193455.4	2.86E-05	2.53E-05	4.74E-06	4.39E-06	2.61E-06	2.18E-06	2.95E-05	2.54E-05
794	651340.46	4193255.22	2.24E-05	1.98E-05	3.71E-06	3.44E-06	2.04E-06	1.71E-06	2.31E-05	1.99E-05
795	651295.97	4193255.6	2.20E-05	1.94E-05	3.64E-06	3.37E-06	2.00E-06	1.67E-06	2.27E-05	1.95E-05
796	651294.28	4193055.6	1.76E-05	1.56E-05	2.92E-06	2.70E-06	1.61E-06	1.34E-06	1.82E-05	1.56E-05
797	651120.08	4194652.29	5.09E-04	4.50E-04	8.43E-05	7.81E-05	4.64E-05	3.87E-05	5.25E-04	4.51E-04
798	651112.83	4194675.79	5.34E-04	4.72E-04	8.85E-05	8.20E-05	4.87E-05	4.07E-05	5.51E-04	4.73E-04
799	651105.57	4194699.29	5.55E-04	4.91E-04	9.21E-05	8.53E-05	5.07E-05	4.23E-05	5.73E-04	4.93E-04
800	651098.32	4194722.79	5.73E-04	5.07E-04	9.50E-05	8.80E-05	5.23E-05	4.37E-05	5.92E-04	5.08E-04
801	651091.06	4194746.28	5.87E-04	5.19E-04	9.73E-05	9.01E-05	5.36E-05	4.47E-05	6.06E-04	5.21E-04
802	651083.81	4194769.78	5.97E-04	5.28E-04	9.89E-05	9.16E-05	5.44E-05	4.55E-05	6.16E-04	5.29E-04
803	651076.55	4194793.28	6.01E-04	5.31E-04	9.96E-05	9.22E-05	5.48E-05	4.58E-05	6.20E-04	5.33E-04
804	651101.33	4194543.54	2.79E-04	2.46E-04	4.62E-05	4.28E-05	2.54E-05	2.12E-05	2.88E-04	2.47E-04
805	651094.08	4194567.04	2.96E-04	2.62E-04	4.91E-05	4.55E-05	2.70E-05	2.26E-05	3.06E-04	2.63E-04
806	651086.82	4194590.54	3.14E-04	2.78E-04	5.21E-05	4.83E-05	2.87E-05	2.40E-05	3.25E-04	2.79E-04
807	651079.56	4194614.04	3.33E-04	2.94E-04	5.51E-05	5.11E-05	3.04E-05	2.53E-05	3.43E-04	2.95E-04
808	651072.31	4194637.54	3.51E-04	3.10E-04	5.82E-05	5.39E-05	3.20E-05	2.67E-05	3.62E-04	3.11E-04
809	651065.05	4194661.04	3.69E-04	3.26E-04	6.11E-05	5.66E-05	3.36E-05	2.81E-05	3.81E-04	3.27E-04
810	651057.8	4194684.54	3.86E-04	3.41E-04	6.39E-05	5.92E-05	3.52E-05	2.94E-05	3.98E-04	3.42E-04
811	651050.54	4194708.04	4.01E-04	3.55E-04	6.65E-05	6.16E-05	3.66E-05	3.06E-05	4.14E-04	3.56E-04
812	651043.29	4194731.53	4.14E-04	3.66E-04	6.87E-05	6.36E-05	3.78E-05	3.16E-05	4.28E-04	3.67E-04
813	651036.03	4194755.03	4.25E-04	3.76E-04	7.04E-05	6.52E-05	3.88E-05	3.24E-05	4.38E-04	3.77E-04
814	651028.78	4194778.53	4.32E-04	3.82E-04	7.15E-05	6.62E-05	3.94E-05	3.29E-05	4.45E-04	3.83E-04
815	651080.87	4194463.68	1.94E-04	1.72E-04	3.22E-05	2.98E-05	1.77E-05	1.48E-05	2.00E-04	1.72E-04
816	651106.47	4194427.46	1.94E-04	1.71E-04	3.21E-05	2.97E-05	1.77E-05	1.47E-05	2.00E-04	1.72E-04
817	651132.07	4194391.23	1.87E-04	1.65E-04	3.10E-05	2.87E-05	1.70E-05	1.42E-05	1.93E-04	1.66E-04
818	651220.74	4194333.82	1.90E-04	1.68E-04	3.15E-05	2.91E-05	1.73E-05	1.45E-05	1.96E-04	1.68E-04
819	651068.07	4194481.8	1.93E-04	1.71E-04	3.20E-05	2.97E-05	1.76E-05	1.47E-05	2.00E-04	1.71E-04
820	651060.81	4194505.3	2.01E-04	1.77E-04	3.33E-05	3.08E-05	1.83E-05	1.53E-05	2.07E-04	1.78E-04
821	651053.56	4194528.79	2.10E-04	1.86E-04	3.48E-05	3.22E-05	1.91E-05	1.60E-05	2.17E-04	1.86E-04
822	651046.3	4194552.29	2.21E-04	1.95E-04	3.66E-05	3.39E-05	2.01E-05	1.68E-05	2.28E-04	1.96E-04
823	651039.05	4194575.79	2.33E-04	2.06E-04	3.86E-05	3.57E-05	2.12E-05	1.77E-05	2.40E-04	2.07E-04
824	651031.79	4194599.29	2.45E-04	2.17E-04	4.07E-05	3.77E-05	2.24E-05	1.87E-05	2.53E-04	2.18E-04
825	651024.53	4194622.79	2.58E-04	2.28E-04	4.28E-05	3.96E-05	2.35E-05	1.97E-05	2.66E-04	2.29E-04
826	651017.28	4194646.29	2.71E-04	2.39E-04	4.49E-05	4.16E-05	2.47E-05	2.06E-05	2.79E-04	2.40E-04
827	651010.02	4194669.79	2.84E-04	2.51E-04	4.70E-05	4.35E-05	2.59E-05	2.16E-05	2.93E-04	2.51E-04
828	651002.77	4194693.28	2.96E-04	2.62E-04	4.91E-05	4.55E-05	2.70E-05	2.26E-05	3.06E-04	2.63E-04
829	650995.51	4194716.78	3.08E-04	2.72E-04	5.11E-05	4.73E-05	2.81E-05	2.35E-05	3.18E-04	2.73E-04
830	650988.26	4194740.28	3.18E-04	2.81E-04	5.28E-05	4.89E-05	2.90E-05	2.42E-05	3.29E-04	2.82E-04
831	650981	4194763.78	3.26E-04	2.88E-04	5.40E-05	5.00E-05	2.97E-05	2.48E-05	3.36E-04	2.89E-04
832	650973.75	4194787.28	3.30E-04	2.92E-04	5.47E-05	5.06E-05	3.01E-05	2.51E-05	3.40E-04	2.93E-04
833	650966.49	4194810.78	3.31E-04	2.92E-04	5.48E-05	5.07E-05	3.02E-05	2.52E-05	3.41E-04	2.93E-04
834	650959.24	4194834.28	3.28E-04	2.90E-04	5.44E-05	5.04E-05	3.00E-05	2.50E-05	3.39E-04	2.91E-04
835	651033.73	4194448.03	1.56E-04	1.38E-04	2.58E-05	2.39E-05	1.42E-05	1.19E-05	1.61E-04	1.38E-04
836	651047.17	4194429.01	1.57E-04	1.39E-04	2.61E-05	2.41E-05	1.43E-05	1.20E-05	1.62E-04	1.39E-04

837	651060.61	4194409.99	1.58E-04	1.40E-04	2.62E-05	2.42E-05	1.44E-05	1.20E-05	1.63E-04	1.40E-04
838	651074.05	4194390.97	1.57E-04	1.39E-04	2.60E-05	2.41E-05	1.43E-05	1.20E-05	1.62E-04	1.39E-04
839	651087.49	4194371.96	1.55E-04	1.37E-04	2.56E-05	2.38E-05	1.41E-05	1.18E-05	1.60E-04	1.37E-04
840	651100.93	4194352.94	1.51E-04	1.34E-04	2.50E-05	2.32E-05	1.38E-05	1.15E-05	1.56E-04	1.34E-04
841	651114.37	4194333.92	1.47E-04	1.30E-04	2.43E-05	2.25E-05	1.34E-05	1.12E-05	1.51E-04	1.30E-04
842	651149.88	4194307.48	1.44E-04	1.28E-04	2.39E-05	2.22E-05	1.32E-05	1.10E-05	1.49E-04	1.28E-04
843	651171.96	4194300.07	1.47E-04	1.30E-04	2.44E-05	2.26E-05	1.34E-05	1.12E-05	1.52E-04	1.31E-04
844	651194.03	4194292.65	1.50E-04	1.33E-04	2.49E-05	2.31E-05	1.37E-05	1.15E-05	1.55E-04	1.33E-04
845	651216.11	4194285.23	1.54E-04	1.36E-04	2.55E-05	2.36E-05	1.40E-05	1.17E-05	1.59E-04	1.36E-04
846	651020.29	4194467.05	1.54E-04	1.36E-04	2.55E-05	2.36E-05	1.40E-05	1.17E-05	1.59E-04	1.37E-04
847	651013.04	4194490.54	1.58E-04	1.40E-04	2.62E-05	2.43E-05	1.44E-05	1.21E-05	1.63E-04	1.40E-04
848	651005.78	4194514.04	1.64E-04	1.45E-04	2.72E-05	2.52E-05	1.50E-05	1.25E-05	1.69E-04	1.45E-04
849	650998.53	4194537.54	1.71E-04	1.52E-04	2.84E-05	2.63E-05	1.56E-05	1.31E-05	1.77E-04	1.52E-04
850	650991.27	4194561.04	1.80E-04	1.59E-04	2.99E-05	2.76E-05	1.64E-05	1.37E-05	1.86E-04	1.60E-04
851	650984.02	4194584.54	1.89E-04	1.67E-04	3.14E-05	2.91E-05	1.73E-05	1.44E-05	1.95E-04	1.68E-04
852	650976.76	4194608.04	1.99E-04	1.76E-04	3.30E-05	3.05E-05	1.81E-05	1.51E-05	2.05E-04	1.76E-04
853	650969.5	4194631.54	2.08E-04	1.84E-04	3.45E-05	3.20E-05	1.90E-05	1.59E-05	2.15E-04	1.85E-04
854	650962.25	4194655.04	2.18E-04	1.93E-04	3.61E-05	3.34E-05	1.99E-05	1.66E-05	2.25E-04	1.93E-04
855	650954.99	4194678.53	2.28E-04	2.01E-04	3.77E-05	3.50E-05	2.08E-05	1.74E-05	2.35E-04	2.02E-04
856	650947.74	4194702.03	2.38E-04	2.10E-04	3.94E-05	3.65E-05	2.17E-05	1.81E-05	2.45E-04	2.11E-04
857	650940.48	4194725.53	2.47E-04	2.18E-04	4.09E-05	3.79E-05	2.25E-05	1.88E-05	2.55E-04	2.19E-04
858	650933.23	4194749.03	2.55E-04	2.25E-04	4.22E-05	3.91E-05	2.32E-05	1.94E-05	2.63E-04	2.26E-04
859	650925.97	4194772.53	2.60E-04	2.30E-04	4.30E-05	3.99E-05	2.37E-05	1.98E-05	2.68E-04	2.30E-04
860	650918.72	4194796.03	2.62E-04	2.32E-04	4.34E-05	4.02E-05	2.39E-05	2.00E-05	2.70E-04	2.32E-04
861	650911.46	4194819.53	2.62E-04	2.32E-04	4.34E-05	4.02E-05	2.39E-05	2.00E-05	2.71E-04	2.32E-04
862	650937.78	4194419.1	1.06E-04	9.38E-05	1.76E-05	1.63E-05	9.67E-06	8.08E-06	1.09E-04	9.41E-05
863	650950.81	4194400.66	1.08E-04	9.54E-05	1.79E-05	1.66E-05	9.84E-06	8.22E-06	1.11E-04	9.57E-05
864	650963.84	4194382.22	1.10E-04	9.70E-05	1.82E-05	1.68E-05	1.00E-05	8.35E-06	1.13E-04	9.72E-05
865	650989.9	4194345.34	1.12E-04	9.86E-05	1.85E-05	1.71E-05	1.02E-05	8.50E-06	1.15E-04	9.89E-05
866	651002.94	4194326.89	1.11E-04	9.84E-05	1.84E-05	1.71E-05	1.02E-05	8.48E-06	1.15E-04	9.87E-05
867	651015.97	4194308.45	1.10E-04	9.74E-05	1.83E-05	1.69E-05	1.01E-05	8.39E-06	1.14E-04	9.77E-05
868	651029	4194290.01	1.08E-04	9.59E-05	1.80E-05	1.66E-05	9.89E-06	8.26E-06	1.12E-04	9.61E-05
869	651042.03	4194271.57	1.06E-04	9.38E-05	1.76E-05	1.63E-05	9.68E-06	8.08E-06	1.09E-04	9.41E-05
870	651089.51	4194227.49	1.01E-04	8.89E-05	1.67E-05	1.54E-05	9.17E-06	7.66E-06	1.04E-04	8.92E-05
871	651110.91	4194220.3	1.01E-04	8.94E-05	1.68E-05	1.55E-05	9.22E-06	7.70E-06	1.04E-04	8.96E-05
872	651132.32	4194213.11	1.02E-04	9.01E-05	1.69E-05	1.56E-05	9.29E-06	7.76E-06	1.05E-04	9.03E-05
873	651153.72	4194205.91	1.03E-04	9.11E-05	1.71E-05	1.58E-05	9.40E-06	7.85E-06	1.06E-04	9.13E-05
874	651175.13	4194198.72	1.05E-04	9.24E-05	1.73E-05	1.60E-05	9.54E-06	7.97E-06	1.08E-04	9.27E-05
875	651196.53	4194191.53	1.07E-04	9.43E-05	1.77E-05	1.64E-05	9.73E-06	8.13E-06	1.10E-04	9.46E-05
876	650924.74	4194437.54	1.05E-04	9.25E-05	1.73E-05	1.61E-05	9.54E-06	7.97E-06	1.08E-04	9.27E-05
877	650917.49	4194461.04	1.07E-04	9.42E-05	1.77E-05	1.64E-05	9.72E-06	8.12E-06	1.10E-04	9.45E-05
878	650910.23	4194484.54	1.10E-04	9.69E-05	1.82E-05	1.68E-05	9.99E-06	8.34E-06	1.13E-04	9.71E-05
879	650902.98	4194508.04	1.14E-04	1.00E-04	1.88E-05	1.74E-05	1.04E-05	8.65E-06	1.17E-04	1.01E-04
880	650895.72	4194531.54	1.18E-04	1.05E-04	1.96E-05	1.82E-05	1.08E-05	9.02E-06	1.22E-04	1.05E-04
881	650888.47	4194555.04	1.24E-04	1.10E-04	2.05E-05	1.90E-05	1.13E-05	9.44E-06	1.28E-04	1.10E-04
882	650881.21	4194578.54	1.30E-04	1.15E-04	2.15E-05	1.99E-05	1.18E-05	9.88E-06	1.34E-04	1.15E-04
883	650873.96	4194602.04	1.36E-04	1.20E-04	2.25E-05	2.08E-05	1.24E-05	1.03E-05	1.40E-04	1.20E-04
884	650866.7	4194625.53	1.42E-04	1.25E-04	2.35E-05	2.18E-05	1.29E-05	1.08E-05	1.46E-04	1.26E-04
885	650859.44	4194649.03	1.48E-04	1.31E-04	2.46E-05	2.27E-05	1.35E-05	1.13E-05	1.53E-04	1.31E-04
886	650852.19	4194672.53	1.55E-04	1.37E-04	2.56E-05	2.37E-05	1.41E-05	1.18E-05	1.60E-04	1.37E-04
887	650844.93	4194696.03	1.61E-04	1.42E-04	2.67E-05	2.47E-05	1.47E-05	1.23E-05	1.66E-04	1.43E-04
888	650837.68	4194719.53	1.67E-04	1.48E-04	2.77E-05	2.56E-05	1.52E-05	1.27E-05	1.72E-04	1.48E-04
889	650830.42	4194743.03	1.72E-04	1.52E-04	2.85E-05	2.64E-05	1.57E-05	1.31E-05	1.77E-04	1.52E-04
890	650823.17	4194766.53	1.76E-04	1.55E-04	2.91E-05	2.70E-05	1.60E-05	1.34E-05	1.81E-04	1.56E-04
891	650815.91	4194790.02	1.78E-04	1.57E-04	2.95E-05	2.73E-05	1.62E-05	1.36E-05	1.84E-04	1.58E-04
892	650842.98	4194388.54	7.76E-05	6.86E-05	1.29E-05	1.19E-05	7.08E-06	5.91E-06	8.01E-05	6.88E-05
893	650856.76	4194369.03	7.90E-05	6.98E-05	1.31E-05	1.21E-05	7.20E-06	6.02E-06	8.15E-05	7.00E-05
894	650870.55	4194349.53	8.05E-05	7.12E-05	1.33E-05	1.24E-05	7.34E-06	6.13E-06	8.31E-05	7.14E-05
895	650884.33	4194330.02	8.19E-05	7.24E-05	1.36E-05	1.26E-05	7.47E-06	6.24E-06	8.45E-05	7.26E-05
896	650898.11	4194310.51	8.30E-05	7.34E-05	1.38E-05	1.27E-05	7.57E-06	6.32E-06	8.57E-05	7.36E-05

897	650911.9	4194291.01	8.37E-05	7.40E-05	1.39E-05	1.28E-05	7.63E-06	6.37E-06	8.64E-05	7.42E-05
898	650925.68	4194271.5	8.39E-05	7.42E-05	1.39E-05	1.29E-05	7.65E-06	6.39E-06	8.66E-05	7.44E-05
899	650939.47	4194252	8.37E-05	7.40E-05	1.39E-05	1.28E-05	7.64E-06	6.38E-06	8.64E-05	7.42E-05
900	650953.25	4194232.49	8.31E-05	7.35E-05	1.38E-05	1.28E-05	7.58E-06	6.33E-06	8.58E-05	7.37E-05
901	650967.04	4194212.98	8.20E-05	7.25E-05	1.36E-05	1.26E-05	7.48E-06	6.25E-06	8.46E-05	7.27E-05
902	650980.82	4194193.48	8.04E-05	7.11E-05	1.33E-05	1.23E-05	7.34E-06	6.13E-06	8.30E-05	7.13E-05
903	650994.6	4194173.97	7.83E-05	6.92E-05	1.30E-05	1.20E-05	7.14E-06	5.97E-06	8.08E-05	6.95E-05
904	651121.59	4194116.43	7.60E-05	6.72E-05	1.26E-05	1.17E-05	6.93E-06	5.79E-06	7.84E-05	6.74E-05
905	651144.23	4194108.82	7.72E-05	6.82E-05	1.28E-05	1.18E-05	7.04E-06	5.88E-06	7.96E-05	6.84E-05
906	651166.87	4194101.21	7.89E-05	6.98E-05	1.31E-05	1.21E-05	7.20E-06	6.01E-06	8.14E-05	7.00E-05
907	651189.52	4194093.61	8.09E-05	7.15E-05	1.34E-05	1.24E-05	7.38E-06	6.16E-06	8.35E-05	7.17E-05
908	651212.16	4194086	8.29E-05	7.33E-05	1.37E-05	1.27E-05	7.56E-06	6.32E-06	8.56E-05	7.35E-05
909	650829.19	4194408.04	7.66E-05	6.78E-05	1.27E-05	1.18E-05	6.99E-06	5.84E-06	7.91E-05	6.80E-05
910	650821.94	4194431.54	7.78E-05	6.88E-05	1.29E-05	1.19E-05	7.10E-06	5.93E-06	8.03E-05	6.90E-05
911	650814.68	4194455.04	7.96E-05	7.04E-05	1.32E-05	1.22E-05	7.26E-06	6.06E-06	8.22E-05	7.06E-05
912	650807.43	4194478.54	8.20E-05	7.25E-05	1.36E-05	1.26E-05	7.48E-06	6.24E-06	8.46E-05	7.27E-05
913	650800.17	4194502.04	8.49E-05	7.50E-05	1.41E-05	1.30E-05	7.74E-06	6.47E-06	8.76E-05	7.53E-05
914	650792.92	4194525.54	8.82E-05	7.80E-05	1.46E-05	1.35E-05	8.05E-06	6.72E-06	9.10E-05	7.82E-05
915	650785.66	4194549.04	9.20E-05	8.14E-05	1.53E-05	1.41E-05	8.40E-06	7.01E-06	9.50E-05	8.16E-05
916	650778.41	4194572.53	9.63E-05	8.51E-05	1.60E-05	1.48E-05	8.78E-06	7.33E-06	9.94E-05	8.54E-05
917	650771.15	4194596.03	1.01E-04	8.92E-05	1.67E-05	1.55E-05	9.20E-06	7.68E-06	1.04E-04	8.94E-05
918	650763.9	4194619.53	1.06E-04	9.33E-05	1.75E-05	1.62E-05	9.63E-06	8.04E-06	1.09E-04	9.36E-05
919	650756.64	4194643.03	1.10E-04	9.74E-05	1.83E-05	1.69E-05	1.01E-05	8.40E-06	1.14E-04	9.77E-05
920	650749.38	4194666.53	1.15E-04	1.01E-04	1.90E-05	1.76E-05	1.05E-05	8.73E-06	1.18E-04	1.02E-04
921	650742.13	4194690.03	1.19E-04	1.05E-04	1.97E-05	1.82E-05	1.08E-05	9.03E-06	1.22E-04	1.05E-04
922	650734.87	4194713.53	1.22E-04	1.08E-04	2.02E-05	1.88E-05	1.11E-05	9.31E-06	1.26E-04	1.08E-04
923	650727.62	4194737.02	1.25E-04	1.11E-04	2.08E-05	1.92E-05	1.14E-05	9.54E-06	1.29E-04	1.11E-04
924	650720.36	4194760.52	1.28E-04	1.13E-04	2.12E-05	1.96E-05	1.17E-05	9.74E-06	1.32E-04	1.13E-04
925	650747.08	4194359.52	6.00E-05	5.31E-05	9.95E-06	9.21E-06	5.47E-06	4.57E-06	6.19E-05	5.32E-05
926	650760.52	4194340.51	6.09E-05	5.38E-05	1.01E-05	9.34E-06	5.55E-06	4.64E-06	6.28E-05	5.40E-05
927	650773.96	4194321.49	6.19E-05	5.47E-05	1.03E-05	9.50E-06	5.64E-06	4.71E-06	6.38E-05	5.49E-05
928	650787.4	4194302.47	6.29E-05	5.56E-05	1.04E-05	9.66E-06	5.74E-06	4.79E-06	6.49E-05	5.58E-05
929	650800.84	4194283.45	6.39E-05	5.65E-05	1.06E-05	9.81E-06	5.83E-06	4.87E-06	6.59E-05	5.67E-05
930	650814.28	4194264.43	6.47E-05	5.72E-05	1.07E-05	9.93E-06	5.90E-06	4.93E-06	6.68E-05	5.74E-05
931	650827.72	4194245.41	6.53E-05	5.77E-05	1.08E-05	1.00E-05	5.96E-06	4.97E-06	6.74E-05	5.79E-05
932	650841.16	4194226.4	6.57E-05	5.81E-05	1.09E-05	1.01E-05	5.99E-06	5.00E-06	6.78E-05	5.82E-05
933	650854.6	4194207.38	6.59E-05	5.83E-05	1.09E-05	1.01E-05	6.01E-06	5.02E-06	6.80E-05	5.84E-05
934	650868.04	4194188.36	6.60E-05	5.83E-05	1.09E-05	1.01E-05	6.02E-06	5.03E-06	6.81E-05	5.85E-05
935	650881.48	4194169.34	6.59E-05	5.83E-05	1.09E-05	1.01E-05	6.01E-06	5.02E-06	6.80E-05	5.84E-05
936	650921.8	4194112.29	6.38E-05	5.64E-05	1.06E-05	9.79E-06	5.82E-06	4.86E-06	6.58E-05	5.66E-05
937	650935.24	4194093.27	6.23E-05	5.51E-05	1.03E-05	9.56E-06	5.68E-06	4.74E-06	6.43E-05	5.52E-05
938	650970.75	4194066.83	5.99E-05	5.30E-05	9.93E-06	9.20E-06	5.47E-06	4.56E-06	6.18E-05	5.31E-05
939	650992.83	4194059.42	5.93E-05	5.24E-05	9.83E-06	9.10E-06	5.41E-06	4.52E-06	6.12E-05	5.26E-05
940	651014.9	4194052	5.86E-05	5.19E-05	9.72E-06	9.00E-06	5.35E-06	4.47E-06	6.05E-05	5.20E-05
941	651036.98	4194044.58	5.82E-05	5.15E-05	9.64E-06	8.93E-06	5.31E-06	4.43E-06	6.01E-05	5.16E-05
942	651059.05	4194037.16	5.81E-05	5.14E-05	9.63E-06	8.92E-06	5.30E-06	4.42E-06	5.99E-05	5.15E-05
943	651081.13	4194029.75	5.85E-05	5.17E-05	9.69E-06	8.97E-06	5.33E-06	4.45E-06	6.03E-05	5.18E-05
944	651103.2	4194022.33	5.94E-05	5.25E-05	9.84E-06	9.12E-06	5.42E-06	4.52E-06	6.13E-05	5.27E-05
945	651125.28	4194014.91	6.08E-05	5.37E-05	1.01E-05	9.33E-06	5.54E-06	4.63E-06	6.27E-05	5.39E-05
946	651147.35	4194007.49	6.25E-05	5.52E-05	1.04E-05	9.59E-06	5.70E-06	4.76E-06	6.45E-05	5.54E-05
947	651169.43	4194000.08	6.43E-05	5.68E-05	1.07E-05	9.87E-06	5.86E-06	4.90E-06	6.63E-05	5.70E-05
948	651191.5	4193992.66	6.60E-05	5.83E-05	1.09E-05	1.01E-05	6.02E-06	5.03E-06	6.81E-05	5.85E-05
949	651213.58	4193985.24	6.73E-05	5.95E-05	1.12E-05	1.03E-05	6.14E-06	5.13E-06	6.95E-05	5.97E-05
950	650733.64	4194378.54	5.94E-05	5.25E-05	9.84E-06	9.12E-06	5.42E-06	4.52E-06	6.13E-05	5.27E-05
951	650726.39	4194402.04	6.01E-05	5.32E-05	9.96E-06	9.23E-06	5.48E-06	4.58E-06	6.20E-05	5.33E-05
952	650719.13	4194425.54	6.12E-05	5.41E-05	1.01E-05	9.39E-06	5.58E-06	4.66E-06	6.31E-05	5.43E-05
953	650711.88	4194449.04	6.26E-05	5.53E-05	1.04E-05	9.61E-06	5.71E-06	4.77E-06	6.46E-05	5.55E-05
954	650704.62	4194472.54	6.44E-05	5.69E-05	1.07E-05	9.88E-06	5.87E-06	4.90E-06	6.64E-05	5.71E-05
955	650697.37	4194496.04	6.66E-05	5.89E-05	1.10E-05	1.02E-05	6.08E-06	5.07E-06	6.87E-05	5.91E-05
956	650690.11	4194519.53	6.93E-05	6.13E-05	1.15E-05	1.06E-05	6.32E-06	5.28E-06	7.15E-05	6.15E-05

957	650682.86	4194543.03	7.25E-05	6.41E-05	1.20E-05	1.11E-05	6.61E-06	5.52E-06	7.48E-05	6.43E-05
958	650675.6	4194566.53	7.60E-05	6.72E-05	1.26E-05	1.17E-05	6.93E-06	5.79E-06	7.84E-05	6.74E-05
959	650668.35	4194590.03	7.97E-05	7.05E-05	1.32E-05	1.22E-05	7.27E-06	6.07E-06	8.22E-05	7.07E-05
960	650661.09	4194613.53	8.33E-05	7.37E-05	1.38E-05	1.28E-05	7.60E-06	6.35E-06	8.60E-05	7.39E-05
961	650653.84	4194637.03	8.67E-05	7.67E-05	1.44E-05	1.33E-05	7.91E-06	6.61E-06	8.95E-05	7.69E-05
962	650646.58	4194660.53	8.97E-05	7.93E-05	1.49E-05	1.38E-05	8.18E-06	6.83E-06	9.26E-05	7.96E-05
963	650639.32	4194684.02	9.23E-05	8.16E-05	1.53E-05	1.42E-05	8.42E-06	7.03E-06	9.53E-05	8.19E-05
964	650632.07	4194707.52	9.45E-05	8.36E-05	1.57E-05	1.45E-05	8.63E-06	7.20E-06	9.76E-05	8.39E-05
965	650624.81	4194731.02	9.65E-05	8.53E-05	1.60E-05	1.48E-05	8.80E-06	7.35E-06	9.96E-05	8.56E-05
966	650652.03	4194329.32	4.84E-05	4.28E-05	8.02E-06	7.43E-06	4.41E-06	3.69E-06	4.99E-05	4.29E-05
967	650665.97	4194309.6	4.90E-05	4.33E-05	8.13E-06	7.53E-06	4.47E-06	3.73E-06	5.06E-05	4.35E-05
968	650679.91	4194289.87	4.98E-05	4.40E-05	8.25E-06	7.64E-06	4.54E-06	3.79E-06	5.14E-05	4.41E-05
969	650693.84	4194270.15	5.05E-05	4.47E-05	8.38E-06	7.76E-06	4.61E-06	3.85E-06	5.22E-05	4.48E-05
970	650707.78	4194250.43	5.13E-05	4.54E-05	8.50E-06	7.88E-06	4.68E-06	3.91E-06	5.30E-05	4.55E-05
971	650721.72	4194230.71	5.20E-05	4.60E-05	8.61E-06	7.98E-06	4.74E-06	3.96E-06	5.36E-05	4.61E-05
972	650735.66	4194210.98	5.25E-05	4.64E-05	8.70E-06	8.06E-06	4.79E-06	4.00E-06	5.42E-05	4.65E-05
973	650749.59	4194191.26	5.28E-05	4.67E-05	8.76E-06	8.11E-06	4.82E-06	4.03E-06	5.45E-05	4.69E-05
974	650763.53	4194171.54	5.31E-05	4.70E-05	8.80E-06	8.15E-06	4.85E-06	4.05E-06	5.48E-05	4.71E-05
975	650805.34	4194112.37	5.38E-05	4.76E-05	8.92E-06	8.26E-06	4.91E-06	4.10E-06	5.55E-05	4.77E-05
976	650819.28	4194092.65	5.39E-05	4.77E-05	8.94E-06	8.28E-06	4.92E-06	4.11E-06	5.56E-05	4.78E-05
977	650833.22	4194072.92	5.38E-05	4.76E-05	8.91E-06	8.26E-06	4.91E-06	4.10E-06	5.55E-05	4.77E-05
978	650847.16	4194053.2	5.33E-05	4.72E-05	8.84E-06	8.19E-06	4.87E-06	4.06E-06	5.50E-05	4.73E-05
979	650861.09	4194033.48	5.25E-05	4.64E-05	8.70E-06	8.06E-06	4.79E-06	4.00E-06	5.42E-05	4.66E-05
980	650875.03	4194013.76	5.13E-05	4.54E-05	8.50E-06	7.87E-06	4.68E-06	3.91E-06	5.29E-05	4.55E-05
981	650911.86	4193986.34	4.92E-05	4.35E-05	8.16E-06	7.56E-06	4.49E-06	3.75E-06	5.08E-05	4.37E-05
982	650934.75	4193978.65	4.85E-05	4.29E-05	8.04E-06	7.45E-06	4.43E-06	3.70E-06	5.01E-05	4.30E-05
983	650957.65	4193970.96	4.77E-05	4.22E-05	7.90E-06	7.32E-06	4.35E-06	3.63E-06	4.92E-05	4.23E-05
984	650980.54	4193963.27	4.69E-05	4.15E-05	7.78E-06	7.21E-06	4.28E-06	3.58E-06	4.84E-05	4.16E-05
985	651003.43	4193955.57	4.65E-05	4.11E-05	7.70E-06	7.13E-06	4.24E-06	3.54E-06	4.79E-05	4.12E-05
986	651026.32	4193947.88	4.64E-05	4.10E-05	7.69E-06	7.12E-06	4.23E-06	3.53E-06	4.79E-05	4.12E-05
987	651049.22	4193940.19	4.69E-05	4.14E-05	7.77E-06	7.19E-06	4.28E-06	3.57E-06	4.84E-05	4.16E-05
988	651072.11	4193932.5	4.79E-05	4.23E-05	7.93E-06	7.35E-06	4.37E-06	3.65E-06	4.94E-05	4.25E-05
989	651095	4193924.8	4.93E-05	4.36E-05	8.17E-06	7.57E-06	4.50E-06	3.76E-06	5.09E-05	4.37E-05
990	651117.89	4193917.11	5.10E-05	4.51E-05	8.46E-06	7.83E-06	4.66E-06	3.89E-06	5.27E-05	4.53E-05
991	651140.78	4193909.42	5.28E-05	4.67E-05	8.75E-06	8.10E-06	4.82E-06	4.02E-06	5.45E-05	4.68E-05
992	651163.68	4193901.73	5.44E-05	4.81E-05	9.02E-06	8.36E-06	4.97E-06	4.15E-06	5.62E-05	4.83E-05
993	651186.57	4193894.04	5.57E-05	4.93E-05	9.23E-06	8.55E-06	5.08E-06	4.24E-06	5.75E-05	4.94E-05
994	651209.46	4193886.34	5.65E-05	5.00E-05	9.36E-06	8.67E-06	5.15E-06	4.30E-06	5.83E-05	5.01E-05
995	651232.35	4193878.65	5.67E-05	5.01E-05	9.39E-06	8.70E-06	5.17E-06	4.32E-06	5.85E-05	5.03E-05
996	651255.25	4193870.96	5.69E-05	5.03E-05	9.43E-06	8.74E-06	5.19E-06	4.34E-06	5.87E-05	5.05E-05
997	651278.14	4193863.27	5.70E-05	5.04E-05	9.45E-06	8.75E-06	5.20E-06	4.34E-06	5.89E-05	5.06E-05
998	650638.09	4194349.04	4.79E-05	4.23E-05	7.93E-06	7.35E-06	4.37E-06	3.65E-06	4.94E-05	4.25E-05
999	650630.84	4194372.54	4.82E-05	4.27E-05	8.00E-06	7.41E-06	4.40E-06	3.68E-06	4.98E-05	4.28E-05
1000	650623.58	4194396.04	4.88E-05	4.32E-05	8.09E-06	7.50E-06	4.46E-06	3.72E-06	5.04E-05	4.33E-05
1001	650616.33	4194419.54	4.97E-05	4.39E-05	8.24E-06	7.63E-06	4.53E-06	3.79E-06	5.13E-05	4.41E-05
1002	650609.07	4194443.04	5.09E-05	4.50E-05	8.43E-06	7.81E-06	4.64E-06	3.88E-06	5.25E-05	4.51E-05
1003	650601.82	4194466.53	5.25E-05	4.64E-05	8.70E-06	8.06E-06	4.79E-06	4.00E-06	5.42E-05	4.66E-05
1004	650594.56	4194490.03	5.45E-05	4.82E-05	9.04E-06	8.37E-06	4.97E-06	4.15E-06	5.63E-05	4.84E-05
1005	650587.31	4194513.53	5.70E-05	5.04E-05	9.44E-06	8.74E-06	5.20E-06	4.34E-06	5.88E-05	5.05E-05
1006	650580.05	4194537.03	5.97E-05	5.28E-05	9.90E-06	9.17E-06	5.45E-06	4.55E-06	6.16E-05	5.30E-05
1007	650572.8	4194560.53	6.26E-05	5.54E-05	1.04E-05	9.61E-06	5.71E-06	4.77E-06	6.46E-05	5.55E-05
1008	650565.54	4194584.03	6.55E-05	5.80E-05	1.09E-05	1.01E-05	5.98E-06	4.99E-06	6.76E-05	5.81E-05
1009	650558.29	4194607.53	6.83E-05	6.04E-05	1.13E-05	1.05E-05	6.23E-06	5.21E-06	7.05E-05	6.06E-05
1010	650551.03	4194631.02	7.08E-05	6.26E-05	1.17E-05	1.09E-05	6.46E-06	5.40E-06	7.31E-05	6.28E-05
1011	650543.78	4194654.52	7.30E-05	6.45E-05	1.21E-05	1.12E-05	6.66E-06	5.56E-06	7.53E-05	6.47E-05
1012	650536.52	4194678.02	7.47E-05	6.61E-05	1.24E-05	1.15E-05	6.82E-06	5.69E-06	7.71E-05	6.63E-05
1013	650529.26	4194701.52	7.62E-05	6.74E-05	1.26E-05	1.17E-05	6.95E-06	5.81E-06	7.87E-05	6.76E-05
1014	650461.02	4194270.19	3.39E-05	3.00E-05	5.62E-06	5.21E-06	3.10E-06	2.59E-06	3.50E-05	3.01E-05
1015	650475.04	4194250.35	3.45E-05	3.05E-05	5.72E-06	5.29E-06	3.15E-06	2.63E-06	3.56E-05	3.06E-05
1016	650489.07	4194230.5	3.50E-05	3.10E-05	5.81E-06	5.38E-06	3.20E-06	2.67E-06	3.62E-05	3.11E-05

1017	650503.09	4194210.66	3.56E-05	3.14E-05	5.89E-06	5.46E-06	3.24E-06	2.71E-06	3.67E-05	3.15E-05
1018	650517.12	4194190.81	3.60E-05	3.19E-05	5.97E-06	5.53E-06	3.29E-06	2.75E-06	3.72E-05	3.20E-05
1019	650531.14	4194170.97	3.65E-05	3.23E-05	6.05E-06	5.60E-06	3.33E-06	2.78E-06	3.76E-05	3.24E-05
1020	650573.21	4194111.43	3.72E-05	3.29E-05	6.17E-06	5.72E-06	3.40E-06	2.84E-06	3.84E-05	3.30E-05
1021	650587.24	4194091.59	3.73E-05	3.30E-05	6.19E-06	5.73E-06	3.41E-06	2.84E-06	3.85E-05	3.31E-05
1022	650601.26	4194071.74	3.74E-05	3.31E-05	6.20E-06	5.74E-06	3.41E-06	2.85E-06	3.86E-05	3.32E-05
1023	650615.28	4194051.9	3.75E-05	3.31E-05	6.21E-06	5.75E-06	3.42E-06	2.86E-06	3.87E-05	3.32E-05
1024	650629.31	4194032.05	3.76E-05	3.33E-05	6.24E-06	5.78E-06	3.43E-06	2.87E-06	3.89E-05	3.34E-05
1025	650643.33	4194012.21	3.79E-05	3.35E-05	6.28E-06	5.82E-06	3.46E-06	2.89E-06	3.91E-05	3.36E-05
1026	650657.36	4193992.36	3.82E-05	3.38E-05	6.33E-06	5.86E-06	3.48E-06	2.91E-06	3.94E-05	3.39E-05
1027	650671.38	4193972.52	3.85E-05	3.41E-05	6.38E-06	5.91E-06	3.51E-06	2.93E-06	3.97E-05	3.42E-05
1028	650685.4	4193952.67	3.88E-05	3.43E-05	6.42E-06	5.95E-06	3.54E-06	2.95E-06	4.00E-05	3.44E-05
1029	650699.43	4193932.83	3.89E-05	3.44E-05	6.45E-06	5.97E-06	3.55E-06	2.96E-06	4.01E-05	3.45E-05
1030	650713.45	4193912.98	3.88E-05	3.44E-05	6.44E-06	5.96E-06	3.54E-06	2.96E-06	4.01E-05	3.45E-05
1031	650727.48	4193893.14	3.86E-05	3.41E-05	6.39E-06	5.92E-06	3.52E-06	2.94E-06	3.98E-05	3.42E-05
1032	650741.5	4193873.29	3.81E-05	3.37E-05	6.31E-06	5.85E-06	3.47E-06	2.90E-06	3.93E-05	3.38E-05
1033	650755.52	4193853.45	3.73E-05	3.30E-05	6.19E-06	5.73E-06	3.41E-06	2.84E-06	3.85E-05	3.31E-05
1034	650792.58	4193825.86	3.60E-05	3.18E-05	5.96E-06	5.52E-06	3.28E-06	2.74E-06	3.71E-05	3.19E-05
1035	650815.62	4193818.12	3.54E-05	3.13E-05	5.86E-06	5.43E-06	3.23E-06	2.69E-06	3.65E-05	3.14E-05
1036	650838.65	4193810.38	3.46E-05	3.06E-05	5.73E-06	5.31E-06	3.15E-06	2.63E-06	3.57E-05	3.07E-05
1037	650861.69	4193802.64	3.37E-05	2.98E-05	5.59E-06	5.17E-06	3.08E-06	2.57E-06	3.48E-05	2.99E-05
1038	650884.72	4193794.9	3.29E-05	2.91E-05	5.45E-06	5.05E-06	3.00E-06	2.51E-06	3.40E-05	2.92E-05
1039	650907.76	4193787.16	3.23E-05	2.85E-05	5.35E-06	4.95E-06	2.94E-06	2.46E-06	3.33E-05	2.86E-05
1040	650930.79	4193779.42	3.19E-05	2.82E-05	5.29E-06	4.90E-06	2.91E-06	2.43E-06	3.29E-05	2.83E-05
1041	650953.82	4193771.68	3.20E-05	2.83E-05	5.30E-06	4.91E-06	2.92E-06	2.44E-06	3.30E-05	2.84E-05
1042	650976.86	4193763.94	3.25E-05	2.87E-05	5.38E-06	4.98E-06	2.96E-06	2.47E-06	3.35E-05	2.88E-05
1043	650999.89	4193756.2	3.34E-05	2.95E-05	5.54E-06	5.13E-06	3.05E-06	2.54E-06	3.45E-05	2.96E-05
1044	651022.93	4193748.46	3.47E-05	3.07E-05	5.75E-06	5.33E-06	3.17E-06	2.64E-06	3.58E-05	3.08E-05
1045	651045.96	4193740.72	3.63E-05	3.21E-05	6.01E-06	5.57E-06	3.31E-06	2.76E-06	3.74E-05	3.22E-05
1046	651069	4193732.98	3.79E-05	3.35E-05	6.29E-06	5.82E-06	3.46E-06	2.89E-06	3.91E-05	3.36E-05
1047	651092.03	4193725.24	3.95E-05	3.49E-05	6.54E-06	6.06E-06	3.60E-06	3.01E-06	4.08E-05	3.50E-05
1048	651115.07	4193717.5	4.08E-05	3.61E-05	6.77E-06	6.27E-06	3.72E-06	3.11E-06	4.21E-05	3.62E-05
1049	651138.1	4193709.76	4.17E-05	3.69E-05	6.92E-06	6.41E-06	3.81E-06	3.18E-06	4.31E-05	3.70E-05
1050	651161.14	4193702.02	4.22E-05	3.73E-05	7.00E-06	6.48E-06	3.85E-06	3.22E-06	4.36E-05	3.75E-05
1051	651184.17	4193694.28	4.23E-05	3.74E-05	7.00E-06	6.49E-06	3.86E-06	3.22E-06	4.36E-05	3.75E-05
1052	651207.21	4193686.54	4.19E-05	3.70E-05	6.94E-06	6.43E-06	3.82E-06	3.19E-06	4.32E-05	3.71E-05
1053	651230.24	4193678.8	4.12E-05	3.65E-05	6.83E-06	6.33E-06	3.76E-06	3.14E-06	4.26E-05	3.66E-05
1054	651253.27	4193671.06	4.04E-05	3.58E-05	6.70E-06	6.21E-06	3.69E-06	3.08E-06	4.17E-05	3.59E-05
1055	651276.31	4193663.32	3.97E-05	3.51E-05	6.58E-06	6.09E-06	3.62E-06	3.02E-06	4.10E-05	3.52E-05
1056	650447	4194290.04	3.34E-05	2.96E-05	5.54E-06	5.13E-06	3.05E-06	2.55E-06	3.45E-05	2.97E-05
1057	650439.74	4194313.54	3.35E-05	2.96E-05	5.54E-06	5.14E-06	3.05E-06	2.55E-06	3.45E-05	2.97E-05
1058	650432.49	4194337.04	3.36E-05	2.98E-05	5.58E-06	5.16E-06	3.07E-06	2.56E-06	3.47E-05	2.98E-05
1059	650425.23	4194360.53	3.41E-05	3.01E-05	5.65E-06	5.23E-06	3.11E-06	2.60E-06	3.52E-05	3.02E-05
1060	650417.97	4194384.03	3.48E-05	3.08E-05	5.77E-06	5.34E-06	3.18E-06	2.65E-06	3.59E-05	3.09E-05
1061	650410.72	4194407.53	3.58E-05	3.17E-05	5.93E-06	5.50E-06	3.27E-06	2.73E-06	3.69E-05	3.18E-05
1062	650403.46	4194431.03	3.71E-05	3.28E-05	6.15E-06	5.70E-06	3.38E-06	2.83E-06	3.83E-05	3.29E-05
1063	650396.21	4194454.53	3.86E-05	3.42E-05	6.40E-06	5.93E-06	3.52E-06	2.94E-06	3.99E-05	3.43E-05
1064	650388.95	4194478.03	4.04E-05	3.57E-05	6.69E-06	6.20E-06	3.68E-06	3.08E-06	4.17E-05	3.58E-05
1065	650381.7	4194501.53	4.22E-05	3.73E-05	7.00E-06	6.48E-06	3.85E-06	3.22E-06	4.36E-05	3.74E-05
1066	650374.44	4194525.02	4.41E-05	3.90E-05	7.31E-06	6.77E-06	4.02E-06	3.36E-06	4.55E-05	3.91E-05
1067	650367.19	4194548.52	4.60E-05	4.07E-05	7.62E-06	7.06E-06	4.19E-06	3.50E-06	4.75E-05	4.08E-05
1068	650359.93	4194572.02	4.78E-05	4.22E-05	7.92E-06	7.33E-06	4.36E-06	3.64E-06	4.93E-05	4.24E-05
1069	650352.68	4194595.52	4.94E-05	4.37E-05	8.19E-06	7.59E-06	4.51E-06	3.77E-06	5.10E-05	4.38E-05
1070	650345.42	4194619.02	5.09E-05	4.50E-05	8.43E-06	7.81E-06	4.64E-06	3.88E-06	5.25E-05	4.51E-05
1071	650338.17	4194642.52	5.21E-05	4.61E-05	8.64E-06	8.00E-06	4.75E-06	3.97E-06	5.38E-05	4.62E-05
1072	650269.98	4194211.11	2.53E-05	2.24E-05	4.19E-06	3.88E-06	2.31E-06	1.93E-06	2.61E-05	2.24E-05
1073	650284.06	4194191.19	2.58E-05	2.28E-05	4.27E-06	3.96E-06	2.35E-06	1.96E-06	2.66E-05	2.29E-05
1074	650298.14	4194171.26	2.63E-05	2.33E-05	4.36E-06	4.04E-06	2.40E-06	2.00E-06	2.72E-05	2.33E-05
1075	650312.22	4194151.34	2.69E-05	2.37E-05	4.45E-06	4.12E-06	2.45E-06	2.05E-06	2.77E-05	2.38E-05
1076	650326.3	4194131.42	2.73E-05	2.42E-05	4.53E-06	4.20E-06	2.50E-06	2.08E-06	2.82E-05	2.43E-05

1077	650340.38	4194111.49	2.78E-05	2.45E-05	4.60E-06	4.26E-06	2.53E-06	2.11E-06	2.86E-05	2.46E-05
1078	650354.46	4194091.57	2.81E-05	2.48E-05	4.65E-06	4.31E-06	2.56E-06	2.14E-06	2.90E-05	2.49E-05
1079	650368.53	4194071.64	2.83E-05	2.50E-05	4.69E-06	4.34E-06	2.58E-06	2.16E-06	2.92E-05	2.51E-05
1080	650382.61	4194051.72	2.84E-05	2.51E-05	4.71E-06	4.36E-06	2.59E-06	2.17E-06	2.93E-05	2.52E-05
1081	650396.69	4194031.8	2.85E-05	2.52E-05	4.72E-06	4.37E-06	2.60E-06	2.17E-06	2.94E-05	2.52E-05
1082	650410.77	4194011.87	2.85E-05	2.52E-05	4.72E-06	4.37E-06	2.60E-06	2.17E-06	2.94E-05	2.52E-05
1083	650424.85	4193991.95	2.84E-05	2.51E-05	4.71E-06	4.36E-06	2.59E-06	2.17E-06	2.93E-05	2.52E-05
1084	650438.93	4193972.03	2.84E-05	2.51E-05	4.70E-06	4.36E-06	2.59E-06	2.16E-06	2.93E-05	2.52E-05
1085	650453.01	4193952.1	2.83E-05	2.51E-05	4.70E-06	4.35E-06	2.59E-06	2.16E-06	2.93E-05	2.51E-05
1086	650467.09	4193932.18	2.84E-05	2.51E-05	4.70E-06	4.36E-06	2.59E-06	2.16E-06	2.93E-05	2.52E-05
1087	650481.17	4193912.25	2.85E-05	2.52E-05	4.72E-06	4.37E-06	2.60E-06	2.17E-06	2.94E-05	2.53E-05
1088	650495.25	4193892.33	2.87E-05	2.54E-05	4.75E-06	4.40E-06	2.62E-06	2.18E-06	2.96E-05	2.54E-05
1089	650509.33	4193872.41	2.89E-05	2.56E-05	4.80E-06	4.44E-06	2.64E-06	2.20E-06	2.99E-05	2.57E-05
1090	650523.41	4193852.48	2.92E-05	2.58E-05	4.84E-06	4.49E-06	2.67E-06	2.23E-06	3.02E-05	2.59E-05
1091	650537.49	4193832.56	2.95E-05	2.61E-05	4.89E-06	4.53E-06	2.69E-06	2.25E-06	3.05E-05	2.62E-05
1092	650551.57	4193812.64	2.97E-05	2.63E-05	4.93E-06	4.57E-06	2.71E-06	2.27E-06	3.07E-05	2.64E-05
1093	650565.65	4193792.71	2.99E-05	2.64E-05	4.96E-06	4.59E-06	2.73E-06	2.28E-06	3.09E-05	2.65E-05
1094	650579.73	4193772.79	3.00E-05	2.65E-05	4.97E-06	4.60E-06	2.73E-06	2.28E-06	3.09E-05	2.66E-05
1095	650593.81	4193752.86	2.99E-05	2.65E-05	4.96E-06	4.59E-06	2.73E-06	2.28E-06	3.09E-05	2.65E-05
1096	650607.89	4193732.94	2.97E-05	2.63E-05	4.93E-06	4.57E-06	2.71E-06	2.27E-06	3.07E-05	2.64E-05
1097	650621.97	4193713.02	2.94E-05	2.60E-05	4.88E-06	4.52E-06	2.69E-06	2.24E-06	3.04E-05	2.61E-05
1098	650636.05	4193693.09	2.90E-05	2.56E-05	4.80E-06	4.45E-06	2.64E-06	2.21E-06	2.99E-05	2.57E-05
1099	650673.25	4193665.4	2.81E-05	2.48E-05	4.66E-06	4.31E-06	2.56E-06	2.14E-06	2.90E-05	2.49E-05
1100	650696.38	4193657.63	2.76E-05	2.44E-05	4.58E-06	4.24E-06	2.52E-06	2.11E-06	2.85E-05	2.45E-05
1101	650719.51	4193649.86	2.70E-05	2.39E-05	4.48E-06	4.15E-06	2.47E-06	2.06E-06	2.79E-05	2.40E-05
1102	650742.63	4193642.09	2.63E-05	2.33E-05	4.36E-06	4.04E-06	2.40E-06	2.01E-06	2.72E-05	2.33E-05
1103	650765.76	4193634.31	2.56E-05	2.26E-05	4.24E-06	3.92E-06	2.33E-06	1.95E-06	2.64E-05	2.27E-05
1104	650788.88	4193626.54	2.48E-05	2.19E-05	4.11E-06	3.81E-06	2.26E-06	1.89E-06	2.56E-05	2.20E-05
1105	650812.01	4193618.77	2.42E-05	2.14E-05	4.01E-06	3.71E-06	2.21E-06	1.84E-06	2.50E-05	2.14E-05
1106	650835.14	4193611	2.37E-05	2.10E-05	3.94E-06	3.65E-06	2.17E-06	1.81E-06	2.45E-05	2.11E-05
1107	650858.26	4193603.23	2.36E-05	2.08E-05	3.91E-06	3.62E-06	2.15E-06	1.80E-06	2.43E-05	2.09E-05
1108	650881.39	4193595.46	2.37E-05	2.10E-05	3.93E-06	3.64E-06	2.17E-06	1.81E-06	2.45E-05	2.11E-05
1109	650904.51	4193587.69	2.43E-05	2.14E-05	4.02E-06	3.72E-06	2.21E-06	1.85E-06	2.50E-05	2.15E-05
1110	650927.64	4193579.92	2.51E-05	2.22E-05	4.16E-06	3.85E-06	2.29E-06	1.91E-06	2.59E-05	2.23E-05
1111	650950.77	4193572.15	2.63E-05	2.32E-05	4.35E-06	4.03E-06	2.40E-06	2.00E-06	2.71E-05	2.33E-05
1112	650973.89	4193564.38	2.76E-05	2.44E-05	4.58E-06	4.24E-06	2.52E-06	2.11E-06	2.85E-05	2.45E-05
1113	650997.02	4193556.61	2.91E-05	2.57E-05	4.82E-06	4.47E-06	2.66E-06	2.22E-06	3.00E-05	2.58E-05
1114	651020.14	4193548.84	3.06E-05	2.70E-05	5.06E-06	4.69E-06	2.79E-06	2.33E-06	3.15E-05	2.71E-05
1115	651043.27	4193541.07	3.18E-05	2.82E-05	5.28E-06	4.89E-06	2.90E-06	2.43E-06	3.29E-05	2.82E-05
1116	651066.4	4193533.3	3.29E-05	2.90E-05	5.44E-06	5.04E-06	3.00E-06	2.50E-06	3.39E-05	2.91E-05
1117	651089.52	4193525.53	3.35E-05	2.96E-05	5.55E-06	5.14E-06	3.06E-06	2.55E-06	3.46E-05	2.97E-05
1118	651112.65	4193517.75	3.38E-05	2.98E-05	5.59E-06	5.18E-06	3.08E-06	2.57E-06	3.48E-05	2.99E-05
1119	651135.77	4193509.98	3.36E-05	2.97E-05	5.57E-06	5.16E-06	3.07E-06	2.56E-06	3.47E-05	2.98E-05
1120	651158.9	4193502.21	3.32E-05	2.93E-05	5.49E-06	5.09E-06	3.02E-06	2.53E-06	3.42E-05	2.94E-05
1121	651182.03	4193494.44	3.24E-05	2.86E-05	5.37E-06	4.97E-06	2.96E-06	2.47E-06	3.34E-05	2.87E-05
1122	651205.15	4193486.67	3.15E-05	2.78E-05	5.22E-06	4.83E-06	2.87E-06	2.40E-06	3.25E-05	2.79E-05
1123	651228.28	4193478.9	3.05E-05	2.70E-05	5.06E-06	4.69E-06	2.79E-06	2.33E-06	3.15E-05	2.71E-05
1124	651251.4	4193471.13	2.97E-05	2.62E-05	4.92E-06	4.55E-06	2.71E-06	2.26E-06	3.06E-05	2.63E-05
1125	651274.53	4193463.36	2.89E-05	2.56E-05	4.80E-06	4.44E-06	2.64E-06	2.21E-06	2.99E-05	2.57E-05
1126	650255.9	4194231.04	2.49E-05	2.20E-05	4.12E-06	3.82E-06	2.27E-06	1.89E-06	2.57E-05	2.21E-05
1127	650248.64	4194254.53	2.49E-05	2.20E-05	4.12E-06	3.82E-06	2.27E-06	1.89E-06	2.57E-05	2.20E-05
1128	650241.39	4194278.03	2.50E-05	2.21E-05	4.14E-06	3.84E-06	2.28E-06	1.90E-06	2.58E-05	2.22E-05
1129	650234.13	4194301.53	2.53E-05	2.24E-05	4.20E-06	3.89E-06	2.31E-06	1.93E-06	2.61E-05	2.25E-05
1130	650226.88	4194325.03	2.59E-05	2.29E-05	4.29E-06	3.97E-06	2.36E-06	1.97E-06	2.67E-05	2.30E-05
1131	650219.62	4194348.53	2.66E-05	2.35E-05	4.41E-06	4.09E-06	2.43E-06	2.03E-06	2.75E-05	2.36E-05
1132	650212.37	4194372.03	2.75E-05	2.43E-05	4.56E-06	4.23E-06	2.51E-06	2.10E-06	2.84E-05	2.44E-05
1133	650205.11	4194395.53	2.86E-05	2.53E-05	4.74E-06	4.39E-06	2.61E-06	2.18E-06	2.95E-05	2.53E-05
1134	650197.85	4194419.02	2.97E-05	2.63E-05	4.93E-06	4.56E-06	2.71E-06	2.27E-06	3.07E-05	2.64E-05
1135	650190.6	4194442.52	3.10E-05	2.74E-05	5.13E-06	4.75E-06	2.83E-06	2.36E-06	3.20E-05	2.75E-05
1136	650183.34	4194466.02	3.22E-05	2.85E-05	5.34E-06	4.95E-06	2.94E-06	2.46E-06	3.33E-05	2.86E-05

1137	650176.09	4194489.52	3.35E-05	2.96E-05	5.55E-06	5.14E-06	3.06E-06	2.55E-06	3.46E-05	2.97E-05
1138	650168.83	4194513.02	3.48E-05	3.07E-05	5.76E-06	5.33E-06	3.17E-06	2.65E-06	3.59E-05	3.08E-05
1139	650161.58	4194536.52	3.60E-05	3.18E-05	5.96E-06	5.52E-06	3.28E-06	2.74E-06	3.71E-05	3.19E-05
1140	650154.32	4194560.02	3.71E-05	3.28E-05	6.15E-06	5.69E-06	3.38E-06	2.82E-06	3.83E-05	3.29E-05
1141	650147.07	4194583.52	3.81E-05	3.37E-05	6.32E-06	5.85E-06	3.48E-06	2.90E-06	3.93E-05	3.38E-05
1142	650093.04	4194132.08	2.00E-05	1.77E-05	3.32E-06	3.08E-06	1.83E-06	1.53E-06	2.07E-05	1.78E-05
1143	650107.15	4194112.1	2.05E-05	1.81E-05	3.40E-06	3.14E-06	1.87E-06	1.56E-06	2.11E-05	1.82E-05
1144	650121.27	4194092.12	2.10E-05	1.85E-05	3.48E-06	3.22E-06	1.91E-06	1.60E-06	2.16E-05	1.86E-05
1145	650135.39	4194072.14	2.15E-05	1.90E-05	3.56E-06	3.30E-06	1.96E-06	1.64E-06	2.22E-05	1.90E-05
1146	650149.51	4194052.16	2.19E-05	1.94E-05	3.64E-06	3.37E-06	2.00E-06	1.67E-06	2.26E-05	1.95E-05
1147	650163.63	4194032.18	2.23E-05	1.98E-05	3.70E-06	3.43E-06	2.04E-06	1.70E-06	2.31E-05	1.98E-05
1148	650177.75	4194012.2	2.27E-05	2.00E-05	3.76E-06	3.48E-06	2.07E-06	1.73E-06	2.34E-05	2.01E-05
1149	650191.86	4193992.22	2.29E-05	2.02E-05	3.79E-06	3.51E-06	2.09E-06	1.74E-06	2.36E-05	2.03E-05
1150	650205.98	4193972.25	2.30E-05	2.03E-05	3.81E-06	3.53E-06	2.10E-06	1.75E-06	2.37E-05	2.04E-05
1151	650220.1	4193952.27	2.30E-05	2.03E-05	3.81E-06	3.53E-06	2.10E-06	1.75E-06	2.37E-05	2.04E-05
1152	650234.22	4193932.29	2.29E-05	2.03E-05	3.80E-06	3.52E-06	2.09E-06	1.75E-06	2.37E-05	2.03E-05
1153	650248.34	4193912.31	2.28E-05	2.02E-05	3.78E-06	3.50E-06	2.08E-06	1.74E-06	2.36E-05	2.02E-05
1154	650262.46	4193892.33	2.27E-05	2.01E-05	3.76E-06	3.49E-06	2.07E-06	1.73E-06	2.34E-05	2.01E-05
1155	650276.58	4193872.35	2.26E-05	2.00E-05	3.75E-06	3.47E-06	2.06E-06	1.72E-06	2.33E-05	2.00E-05
1156	650290.69	4193852.37	2.25E-05	1.99E-05	3.73E-06	3.46E-06	2.06E-06	1.72E-06	2.33E-05	2.00E-05
1157	650304.81	4193832.39	2.25E-05	1.99E-05	3.73E-06	3.45E-06	2.05E-06	1.71E-06	2.32E-05	2.00E-05
1158	650318.93	4193812.42	2.25E-05	1.99E-05	3.73E-06	3.46E-06	2.06E-06	1.72E-06	2.33E-05	2.00E-05
1159	650333.05	4193792.44	2.26E-05	2.00E-05	3.75E-06	3.47E-06	2.06E-06	1.72E-06	2.34E-05	2.01E-05
1160	650347.17	4193772.46	2.28E-05	2.01E-05	3.77E-06	3.50E-06	2.08E-06	1.73E-06	2.35E-05	2.02E-05
1161	650361.29	4193752.48	2.30E-05	2.03E-05	3.81E-06	3.53E-06	2.10E-06	1.75E-06	2.37E-05	2.04E-05
1162	650375.4	4193732.5	2.32E-05	2.05E-05	3.84E-06	3.56E-06	2.12E-06	1.77E-06	2.39E-05	2.06E-05
1163	650389.52	4193712.52	2.34E-05	2.07E-05	3.88E-06	3.60E-06	2.14E-06	1.78E-06	2.42E-05	2.08E-05
1164	650403.64	4193692.54	2.36E-05	2.09E-05	3.92E-06	3.63E-06	2.16E-06	1.80E-06	2.44E-05	2.10E-05
1165	650417.76	4193672.56	2.38E-05	2.11E-05	3.95E-06	3.66E-06	2.17E-06	1.81E-06	2.46E-05	2.11E-05
1166	650431.88	4193652.59	2.40E-05	2.12E-05	3.97E-06	3.68E-06	2.19E-06	1.83E-06	2.47E-05	2.13E-05
1167	650446	4193632.61	2.41E-05	2.13E-05	3.99E-06	3.70E-06	2.20E-06	1.83E-06	2.48E-05	2.14E-05
1168	650460.12	4193612.63	2.41E-05	2.13E-05	4.00E-06	3.70E-06	2.20E-06	1.84E-06	2.49E-05	2.14E-05
1169	650474.23	4193592.65	2.41E-05	2.13E-05	3.99E-06	3.70E-06	2.20E-06	1.84E-06	2.49E-05	2.14E-05
1170	650488.35	4193572.67	2.40E-05	2.12E-05	3.98E-06	3.68E-06	2.19E-06	1.83E-06	2.48E-05	2.13E-05
1171	650502.47	4193552.69	2.38E-05	2.11E-05	3.95E-06	3.66E-06	2.17E-06	1.81E-06	2.46E-05	2.11E-05
1172	650516.59	4193532.71	2.35E-05	2.08E-05	3.90E-06	3.61E-06	2.15E-06	1.79E-06	2.43E-05	2.09E-05
1173	650553.9	4193504.94	2.29E-05	2.03E-05	3.80E-06	3.52E-06	2.09E-06	1.75E-06	2.37E-05	2.03E-05
1174	650577.09	4193497.15	2.26E-05	2.00E-05	3.75E-06	3.47E-06	2.06E-06	1.72E-06	2.33E-05	2.01E-05
1175	650600.28	4193489.36	2.22E-05	1.96E-05	3.67E-06	3.40E-06	2.02E-06	1.69E-06	2.29E-05	1.97E-05
1176	650623.47	4193481.57	2.16E-05	1.91E-05	3.58E-06	3.32E-06	1.97E-06	1.65E-06	2.23E-05	1.92E-05
1177	650646.66	4193473.77	2.10E-05	1.85E-05	3.48E-06	3.22E-06	1.91E-06	1.60E-06	2.16E-05	1.86E-05
1178	650669.85	4193465.98	2.03E-05	1.80E-05	3.37E-06	3.12E-06	1.85E-06	1.55E-06	2.10E-05	1.80E-05
1179	650693.04	4193458.19	1.97E-05	1.74E-05	3.26E-06	3.02E-06	1.79E-06	1.50E-06	2.03E-05	1.74E-05
1180	650716.22	4193450.4	1.91E-05	1.69E-05	3.16E-06	2.93E-06	1.74E-06	1.45E-06	1.97E-05	1.69E-05
1181	650739.41	4193442.61	1.86E-05	1.65E-05	3.09E-06	2.86E-06	1.70E-06	1.42E-06	1.92E-05	1.65E-05
1182	650762.6	4193434.81	1.84E-05	1.62E-05	3.04E-06	2.82E-06	1.68E-06	1.40E-06	1.90E-05	1.63E-05
1183	650785.79	4193427.02	1.83E-05	1.62E-05	3.04E-06	2.82E-06	1.67E-06	1.40E-06	1.89E-05	1.63E-05
1184	650808.98	4193419.23	1.86E-05	1.64E-05	3.08E-06	2.85E-06	1.70E-06	1.42E-06	1.92E-05	1.65E-05
1185	650832.17	4193411.44	1.91E-05	1.69E-05	3.16E-06	2.93E-06	1.74E-06	1.45E-06	1.97E-05	1.69E-05
1186	650855.36	4193403.65	1.99E-05	1.76E-05	3.29E-06	3.05E-06	1.81E-06	1.51E-06	2.05E-05	1.76E-05
1187	650878.55	4193395.85	2.09E-05	1.84E-05	3.46E-06	3.20E-06	1.90E-06	1.59E-06	2.15E-05	1.85E-05
1188	650901.74	4193388.06	2.20E-05	1.95E-05	3.65E-06	3.38E-06	2.01E-06	1.68E-06	2.28E-05	1.96E-05
1189	650924.93	4193380.27	2.33E-05	2.06E-05	3.87E-06	3.58E-06	2.13E-06	1.78E-06	2.41E-05	2.07E-05
1190	650948.12	4193372.48	2.46E-05	2.18E-05	4.08E-06	3.78E-06	2.25E-06	1.88E-06	2.54E-05	2.18E-05
1191	650971.31	4193364.69	2.58E-05	2.29E-05	4.28E-06	3.97E-06	2.36E-06	1.97E-06	2.67E-05	2.29E-05
1192	650994.5	4193356.89	2.69E-05	2.38E-05	4.45E-06	4.13E-06	2.45E-06	2.05E-06	2.77E-05	2.38E-05
1193	651017.69	4193349.1	2.76E-05	2.44E-05	4.58E-06	4.24E-06	2.52E-06	2.11E-06	2.85E-05	2.45E-05
1194	651040.88	4193341.31	2.81E-05	2.49E-05	4.66E-06	4.32E-06	2.57E-06	2.14E-06	2.90E-05	2.49E-05
1195	651064.07	4193333.52	2.83E-05	2.50E-05	4.68E-06	4.34E-06	2.58E-06	2.15E-06	2.92E-05	2.51E-05
1196	651087.26	4193325.73	2.81E-05	2.48E-05	4.65E-06	4.31E-06	2.56E-06	2.14E-06	2.90E-05	2.49E-05

1197	651110.45	4193317.93	2.76E-05	2.44E-05	4.58E-06	4.24E-06	2.52E-06	2.10E-06	2.85E-05	2.45E-05
1198	651133.64	4193310.14	2.69E-05	2.38E-05	4.46E-06	4.13E-06	2.46E-06	2.05E-06	2.78E-05	2.39E-05
1199	651156.83	4193302.35	2.61E-05	2.30E-05	4.32E-06	4.00E-06	2.38E-06	1.99E-06	2.69E-05	2.31E-05
1200	651180.02	4193294.56	2.51E-05	2.22E-05	4.17E-06	3.86E-06	2.29E-06	1.92E-06	2.60E-05	2.23E-05
1201	651203.21	4193286.76	2.42E-05	2.14E-05	4.02E-06	3.72E-06	2.21E-06	1.85E-06	2.50E-05	2.15E-05
1202	651226.4	4193278.97	2.34E-05	2.07E-05	3.88E-06	3.59E-06	2.14E-06	1.78E-06	2.42E-05	2.08E-05
1203	651249.59	4193271.18	2.27E-05	2.01E-05	3.77E-06	3.49E-06	2.07E-06	1.73E-06	2.35E-05	2.02E-05
1204	651272.78	4193263.39	2.22E-05	1.97E-05	3.68E-06	3.41E-06	2.03E-06	1.69E-06	2.29E-05	1.97E-05
1205	650064.8	4194172.03	1.94E-05	1.72E-05	3.22E-06	2.98E-06	1.77E-06	1.48E-06	2.01E-05	1.72E-05
1206	650057.54	4194195.53	1.95E-05	1.72E-05	3.23E-06	2.99E-06	1.78E-06	1.48E-06	2.01E-05	1.73E-05
1207	650050.29	4194219.03	1.97E-05	1.74E-05	3.26E-06	3.02E-06	1.79E-06	1.50E-06	2.03E-05	1.74E-05
1208	650043.03	4194242.53	2.00E-05	1.77E-05	3.31E-06	3.07E-06	1.82E-06	1.52E-06	2.06E-05	1.77E-05
1209	650035.78	4194266.03	2.04E-05	1.81E-05	3.39E-06	3.14E-06	1.86E-06	1.56E-06	2.11E-05	1.81E-05
1210	650028.52	4194289.53	2.10E-05	1.86E-05	3.48E-06	3.23E-06	1.92E-06	1.60E-06	2.17E-05	1.86E-05
1211	650021.27	4194313.02	2.17E-05	1.92E-05	3.59E-06	3.33E-06	1.98E-06	1.65E-06	2.24E-05	1.92E-05
1212	650014.01	4194336.52	2.24E-05	1.98E-05	3.72E-06	3.44E-06	2.05E-06	1.71E-06	2.32E-05	1.99E-05
1213	650006.76	4194360.02	2.32E-05	2.06E-05	3.85E-06	3.57E-06	2.12E-06	1.77E-06	2.40E-05	2.06E-05
1214	649999.5	4194383.52	2.41E-05	2.13E-05	3.99E-06	3.70E-06	2.20E-06	1.83E-06	2.49E-05	2.14E-05
1215	649992.25	4194407.02	2.50E-05	2.21E-05	4.14E-06	3.83E-06	2.28E-06	1.90E-06	2.58E-05	2.22E-05
1216	649984.99	4194430.52	2.59E-05	2.29E-05	4.29E-06	3.97E-06	2.36E-06	1.97E-06	2.67E-05	2.29E-05
1217	649977.73	4194454.02	2.67E-05	2.37E-05	4.43E-06	4.11E-06	2.44E-06	2.04E-06	2.76E-05	2.37E-05
1218	649970.48	4194477.52	2.76E-05	2.44E-05	4.58E-06	4.24E-06	2.52E-06	2.10E-06	2.85E-05	2.45E-05
1219	649963.22	4194501.01	2.85E-05	2.52E-05	4.72E-06	4.37E-06	2.60E-06	2.17E-06	2.94E-05	2.52E-05
1220	649955.97	4194524.51	2.93E-05	2.59E-05	4.85E-06	4.49E-06	2.67E-06	2.23E-06	3.02E-05	2.60E-05
1221	649887.85	4194093.01	1.59E-05	1.41E-05	2.64E-06	2.45E-06	1.45E-06	1.21E-06	1.65E-05	1.41E-05
1222	649901.99	4194072.99	1.61E-05	1.43E-05	2.68E-06	2.48E-06	1.47E-06	1.23E-06	1.67E-05	1.43E-05
1223	649916.14	4194052.97	1.64E-05	1.45E-05	2.73E-06	2.53E-06	1.50E-06	1.25E-06	1.70E-05	1.46E-05
1224	649930.29	4194032.95	1.68E-05	1.49E-05	2.79E-06	2.58E-06	1.54E-06	1.28E-06	1.74E-05	1.49E-05
1225	649944.44	4194012.93	1.73E-05	1.53E-05	2.86E-06	2.65E-06	1.57E-06	1.31E-06	1.78E-05	1.53E-05
1226	649958.58	4193992.92	1.77E-05	1.57E-05	2.93E-06	2.72E-06	1.61E-06	1.35E-06	1.83E-05	1.57E-05
1227	649972.73	4193972.9	1.81E-05	1.60E-05	3.01E-06	2.79E-06	1.66E-06	1.38E-06	1.87E-05	1.61E-05
1228	649986.88	4193952.88	1.86E-05	1.64E-05	3.08E-06	2.85E-06	1.69E-06	1.41E-06	1.92E-05	1.65E-05
1229	650001.02	4193932.86	1.89E-05	1.67E-05	3.13E-06	2.90E-06	1.72E-06	1.44E-06	1.95E-05	1.67E-05
1230	650015.17	4193912.84	1.91E-05	1.69E-05	3.17E-06	2.94E-06	1.74E-06	1.46E-06	1.97E-05	1.70E-05
1231	650029.32	4193892.82	1.93E-05	1.70E-05	3.19E-06	2.96E-06	1.76E-06	1.47E-06	1.99E-05	1.71E-05
1232	650043.46	4193872.8	1.93E-05	1.71E-05	3.20E-06	2.96E-06	1.76E-06	1.47E-06	1.99E-05	1.71E-05
1233	650057.61	4193852.78	1.92E-05	1.70E-05	3.19E-06	2.95E-06	1.76E-06	1.47E-06	1.99E-05	1.71E-05
1234	650071.76	4193832.76	1.91E-05	1.69E-05	3.17E-06	2.94E-06	1.74E-06	1.46E-06	1.97E-05	1.70E-05
1235	650085.91	4193812.74	1.90E-05	1.68E-05	3.14E-06	2.91E-06	1.73E-06	1.44E-06	1.96E-05	1.68E-05
1236	650100.05	4193792.72	1.88E-05	1.66E-05	3.12E-06	2.89E-06	1.71E-06	1.43E-06	1.94E-05	1.67E-05
1237	650114.2	4193772.7	1.86E-05	1.65E-05	3.09E-06	2.86E-06	1.70E-06	1.42E-06	1.92E-05	1.65E-05
1238	650128.35	4193752.69	1.85E-05	1.64E-05	3.07E-06	2.84E-06	1.69E-06	1.41E-06	1.91E-05	1.64E-05
1239	650142.49	4193732.67	1.85E-05	1.63E-05	3.06E-06	2.84E-06	1.69E-06	1.41E-06	1.91E-05	1.64E-05
1240	650156.64	4193712.65	1.85E-05	1.63E-05	3.06E-06	2.84E-06	1.69E-06	1.41E-06	1.91E-05	1.64E-05
1241	650170.79	4193692.63	1.85E-05	1.64E-05	3.07E-06	2.84E-06	1.69E-06	1.41E-06	1.91E-05	1.64E-05
1242	650184.93	4193672.61	1.86E-05	1.65E-05	3.09E-06	2.86E-06	1.70E-06	1.42E-06	1.92E-05	1.65E-05
1243	650199.08	4193652.59	1.87E-05	1.66E-05	3.11E-06	2.88E-06	1.71E-06	1.43E-06	1.94E-05	1.66E-05
1244	650213.23	4193632.57	1.89E-05	1.67E-05	3.13E-06	2.90E-06	1.72E-06	1.44E-06	1.95E-05	1.68E-05
1245	650227.38	4193612.55	1.91E-05	1.69E-05	3.16E-06	2.93E-06	1.74E-06	1.45E-06	1.97E-05	1.69E-05
1246	650241.52	4193592.53	1.92E-05	1.70E-05	3.19E-06	2.95E-06	1.75E-06	1.47E-06	1.98E-05	1.71E-05
1247	650255.67	4193572.51	1.94E-05	1.71E-05	3.21E-06	2.97E-06	1.77E-06	1.48E-06	2.00E-05	1.72E-05
1248	650269.82	4193552.49	1.95E-05	1.73E-05	3.24E-06	3.00E-06	1.78E-06	1.49E-06	2.01E-05	1.73E-05
1249	650283.96	4193532.47	1.97E-05	1.74E-05	3.26E-06	3.02E-06	1.79E-06	1.50E-06	2.03E-05	1.74E-05
1250	650298.11	4193512.46	1.98E-05	1.75E-05	3.28E-06	3.03E-06	1.80E-06	1.51E-06	2.04E-05	1.75E-05
1251	650312.26	4193492.44	1.99E-05	1.76E-05	3.29E-06	3.05E-06	1.81E-06	1.51E-06	2.05E-05	1.76E-05
1252	650326.4	4193472.42	2.00E-05	1.76E-05	3.31E-06	3.06E-06	1.82E-06	1.52E-06	2.06E-05	1.77E-05
1253	650340.55	4193452.4	2.00E-05	1.77E-05	3.32E-06	3.07E-06	1.83E-06	1.52E-06	2.07E-05	1.78E-05
1254	650354.7	4193432.38	2.00E-05	1.77E-05	3.32E-06	3.07E-06	1.83E-06	1.53E-06	2.07E-05	1.78E-05
1255	650368.85	4193412.36	2.00E-05	1.77E-05	3.31E-06	3.07E-06	1.82E-06	1.52E-06	2.06E-05	1.77E-05
1256	650382.99	4193392.34	1.99E-05	1.76E-05	3.30E-06	3.05E-06	1.81E-06	1.51E-06	2.05E-05	1.76E-05

1257	650397.14	4193372.32	1.97E-05	1.74E-05	3.26E-06	3.02E-06	1.80E-06	1.50E-06	2.03E-05	1.75E-05
1258	650434.52	4193344.49	1.93E-05	1.70E-05	3.20E-06	2.96E-06	1.76E-06	1.47E-06	1.99E-05	1.71E-05
1259	650457.76	4193336.69	1.91E-05	1.68E-05	3.16E-06	2.92E-06	1.74E-06	1.45E-06	1.97E-05	1.69E-05
1260	650481	4193328.88	1.87E-05	1.65E-05	3.10E-06	2.87E-06	1.71E-06	1.43E-06	1.93E-05	1.66E-05
1261	650504.23	4193321.07	1.83E-05	1.62E-05	3.03E-06	2.81E-06	1.67E-06	1.39E-06	1.89E-05	1.62E-05
1262	650527.47	4193313.26	1.78E-05	1.57E-05	2.95E-06	2.73E-06	1.62E-06	1.36E-06	1.84E-05	1.58E-05
1263	650550.71	4193305.45	1.73E-05	1.53E-05	2.86E-06	2.65E-06	1.57E-06	1.31E-06	1.78E-05	1.53E-05
1264	650573.94	4193297.65	1.67E-05	1.48E-05	2.77E-06	2.56E-06	1.52E-06	1.27E-06	1.72E-05	1.48E-05
1265	650597.18	4193289.84	1.61E-05	1.43E-05	2.68E-06	2.48E-06	1.47E-06	1.23E-06	1.67E-05	1.43E-05
1266	650620.42	4193282.03	1.56E-05	1.38E-05	2.59E-06	2.40E-06	1.43E-06	1.19E-06	1.61E-05	1.39E-05
1267	650643.65	4193274.22	1.52E-05	1.35E-05	2.52E-06	2.34E-06	1.39E-06	1.16E-06	1.57E-05	1.35E-05
1268	650666.89	4193266.42	1.49E-05	1.32E-05	2.47E-06	2.29E-06	1.36E-06	1.14E-06	1.54E-05	1.32E-05
1269	650690.13	4193258.61	1.48E-05	1.31E-05	2.45E-06	2.27E-06	1.35E-06	1.13E-06	1.53E-05	1.31E-05
1270	650713.36	4193250.8	1.48E-05	1.31E-05	2.46E-06	2.28E-06	1.35E-06	1.13E-06	1.53E-05	1.32E-05
1271	650736.6	4193242.99	1.51E-05	1.34E-05	2.50E-06	2.32E-06	1.38E-06	1.15E-06	1.56E-05	1.34E-05
1272	650759.84	4193235.18	1.56E-05	1.38E-05	2.58E-06	2.39E-06	1.42E-06	1.19E-06	1.61E-05	1.38E-05
1273	650783.07	4193227.38	1.63E-05	1.44E-05	2.69E-06	2.50E-06	1.48E-06	1.24E-06	1.68E-05	1.44E-05
1274	650806.31	4193219.57	1.71E-05	1.52E-05	2.84E-06	2.63E-06	1.56E-06	1.31E-06	1.77E-05	1.52E-05
1275	650829.55	4193211.76	1.81E-05	1.60E-05	3.01E-06	2.79E-06	1.66E-06	1.38E-06	1.87E-05	1.61E-05
1276	650852.78	4193203.95	1.93E-05	1.70E-05	3.19E-06	2.96E-06	1.76E-06	1.47E-06	1.99E-05	1.71E-05
1277	650876.02	4193196.14	2.04E-05	1.80E-05	3.38E-06	3.13E-06	1.86E-06	1.56E-06	2.11E-05	1.81E-05
1278	650899.26	4193188.34	2.15E-05	1.90E-05	3.57E-06	3.30E-06	1.96E-06	1.64E-06	2.22E-05	1.91E-05
1279	650922.49	4193180.53	2.25E-05	1.99E-05	3.73E-06	3.46E-06	2.05E-06	1.72E-06	2.32E-05	2.00E-05
1280	650945.73	4193172.72	2.33E-05	2.06E-05	3.87E-06	3.58E-06	2.13E-06	1.78E-06	2.41E-05	2.07E-05
1281	650968.97	4193164.91	2.40E-05	2.12E-05	3.97E-06	3.68E-06	2.19E-06	1.83E-06	2.47E-05	2.13E-05
1282	650992.2	4193157.11	2.43E-05	2.15E-05	4.03E-06	3.74E-06	2.22E-06	1.85E-06	2.51E-05	2.16E-05
1283	651015.44	4193149.3	2.44E-05	2.16E-05	4.05E-06	3.75E-06	2.23E-06	1.86E-06	2.52E-05	2.16E-05
1284	651038.68	4193141.49	2.42E-05	2.14E-05	4.01E-06	3.72E-06	2.21E-06	1.84E-06	2.50E-05	2.15E-05
1285	651061.91	4193133.68	2.38E-05	2.10E-05	3.94E-06	3.65E-06	2.17E-06	1.81E-06	2.45E-05	2.11E-05
1286	651085.15	4193125.87	2.31E-05	2.05E-05	3.84E-06	3.55E-06	2.11E-06	1.76E-06	2.39E-05	2.05E-05
1287	651108.39	4193118.07	2.24E-05	1.98E-05	3.71E-06	3.43E-06	2.04E-06	1.70E-06	2.31E-05	1.98E-05
1288	651131.62	4193110.26	2.15E-05	1.90E-05	3.57E-06	3.30E-06	1.96E-06	1.64E-06	2.22E-05	1.91E-05
1289	651154.86	4193102.45	2.07E-05	1.83E-05	3.42E-06	3.17E-06	1.89E-06	1.57E-06	2.13E-05	1.83E-05
1290	651178.1	4193094.64	1.98E-05	1.75E-05	3.29E-06	3.04E-06	1.81E-06	1.51E-06	2.05E-05	1.76E-05
1291	651201.33	4193086.83	1.91E-05	1.69E-05	3.17E-06	2.93E-06	1.74E-06	1.46E-06	1.97E-05	1.70E-05
1292	651224.57	4193079.03	1.85E-05	1.64E-05	3.07E-06	2.84E-06	1.69E-06	1.41E-06	1.91E-05	1.64E-05
1293	651247.81	4193071.22	1.81E-05	1.60E-05	2.99E-06	2.77E-06	1.65E-06	1.38E-06	1.86E-05	1.60E-05
1294	651271.04	4193063.41	1.77E-05	1.57E-05	2.94E-06	2.72E-06	1.62E-06	1.35E-06	1.83E-05	1.57E-05
1295	649873.7	4194113.03	1.58E-05	1.40E-05	2.62E-06	2.43E-06	1.44E-06	1.21E-06	1.63E-05	1.40E-05
1296	649866.44	4194136.53	1.59E-05	1.41E-05	2.64E-06	2.44E-06	1.45E-06	1.21E-06	1.64E-05	1.41E-05
1297	649851.93	4194183.53	1.64E-05	1.45E-05	2.72E-06	2.52E-06	1.50E-06	1.25E-06	1.70E-05	1.46E-05
1298	649844.68	4194207.02	1.68E-05	1.49E-05	2.79E-06	2.58E-06	1.53E-06	1.28E-06	1.73E-05	1.49E-05
1299	649837.42	4194230.52	1.73E-05	1.53E-05	2.86E-06	2.65E-06	1.58E-06	1.32E-06	1.78E-05	1.53E-05
1300	649830.17	4194254.02	1.78E-05	1.57E-05	2.95E-06	2.73E-06	1.62E-06	1.35E-06	1.84E-05	1.58E-05
1301	649822.91	4194277.52	1.83E-05	1.62E-05	3.04E-06	2.82E-06	1.67E-06	1.40E-06	1.89E-05	1.63E-05
1302	649815.66	4194301.02	1.89E-05	1.67E-05	3.14E-06	2.90E-06	1.73E-06	1.44E-06	1.95E-05	1.68E-05
1303	649808.4	4194324.52	1.95E-05	1.73E-05	3.24E-06	3.00E-06	1.78E-06	1.49E-06	2.01E-05	1.73E-05
1304	649801.15	4194348.02	2.01E-05	1.78E-05	3.34E-06	3.09E-06	1.84E-06	1.53E-06	2.08E-05	1.79E-05
1305	649793.89	4194371.52	2.08E-05	1.84E-05	3.45E-06	3.19E-06	1.90E-06	1.58E-06	2.15E-05	1.84E-05
1306	649786.64	4194395.01	2.14E-05	1.90E-05	3.55E-06	3.29E-06	1.96E-06	1.63E-06	2.21E-05	1.90E-05
1307	649779.38	4194418.51	2.21E-05	1.95E-05	3.66E-06	3.39E-06	2.01E-06	1.68E-06	2.28E-05	1.96E-05
1308	649772.13	4194442.01	2.27E-05	2.01E-05	3.76E-06	3.49E-06	2.07E-06	1.73E-06	2.34E-05	2.01E-05
1309	649764.87	4194465.51	2.33E-05	2.06E-05	3.87E-06	3.58E-06	2.13E-06	1.78E-06	2.41E-05	2.07E-05
1310	651022.44	4194930.66	4.80E-04	4.25E-04	7.96E-05	7.38E-05	4.38E-05	3.66E-05	4.96E-04	4.26E-04
1311	650998.68	4195042.99	4.02E-04	3.55E-04	6.66E-05	6.17E-05	3.67E-05	3.06E-05	4.15E-04	3.56E-04
1312	650990.79	4195001.25	3.99E-04	3.52E-04	6.61E-05	6.12E-05	3.64E-05	3.04E-05	4.11E-04	3.54E-04
1313	650982.9	4194959.51	3.90E-04	3.45E-04	6.46E-05	5.98E-05	3.56E-05	2.97E-05	4.02E-04	3.46E-04
1314	650975.01	4194917.76	3.74E-04	3.31E-04	6.21E-05	5.75E-05	3.42E-05	2.85E-05	3.86E-04	3.32E-04
1315	651161.19	4195181.31	3.83E-04	3.39E-04	6.35E-05	5.88E-05	3.49E-05	2.92E-05	3.95E-04	3.40E-04
1316	651003.06	4195112.29	3.76E-04	3.33E-04	6.24E-05	5.77E-05	3.43E-05	2.87E-05	3.88E-04	3.34E-04

1317	650959.52	4195073.84	3.33E-04	2.94E-04	5.51E-05	5.11E-05	3.03E-05	2.53E-05	3.43E-04	2.95E-04
1318	650951.51	4195031.45	3.30E-04	2.91E-04	5.46E-05	5.06E-05	3.01E-05	2.51E-05	3.40E-04	2.92E-04
1319	650943.5	4194989.07	3.23E-04	2.86E-04	5.35E-05	4.96E-05	2.95E-05	2.46E-05	3.33E-04	2.86E-04
1320	650935.49	4194946.68	3.13E-04	2.77E-04	5.19E-05	4.80E-05	2.86E-05	2.38E-05	3.23E-04	2.78E-04
1321	650927.48	4194904.3	2.99E-04	2.64E-04	4.95E-05	4.58E-05	2.72E-05	2.28E-05	3.08E-04	2.65E-04
1322	651167.49	4195280.52	2.35E-04	2.08E-04	3.90E-05	3.61E-05	2.15E-05	1.79E-05	2.43E-04	2.09E-04
1323	651127.18	4195262.93	2.77E-04	2.45E-04	4.59E-05	4.25E-05	2.52E-05	2.11E-05	2.86E-04	2.45E-04
1324	651006.26	4195210.15	3.14E-04	2.78E-04	5.20E-05	4.82E-05	2.86E-05	2.39E-05	3.24E-04	2.78E-04
1325	650881.25	4195135.76	2.40E-04	2.12E-04	3.98E-05	3.69E-05	2.19E-05	1.83E-05	2.48E-04	2.13E-04
1326	650873.08	4195092.54	2.38E-04	2.10E-04	3.94E-05	3.65E-05	2.17E-05	1.81E-05	2.45E-04	2.11E-04
1327	650864.91	4195049.32	2.33E-04	2.06E-04	3.86E-05	3.58E-05	2.13E-05	1.78E-05	2.41E-04	2.07E-04
1328	650856.75	4195006.11	2.28E-04	2.02E-04	3.78E-05	3.50E-05	2.08E-05	1.74E-05	2.35E-04	2.02E-04
1329	650848.58	4194962.89	2.22E-04	1.96E-04	3.68E-05	3.41E-05	2.02E-05	1.69E-05	2.29E-04	1.97E-04
1330	650840.41	4194919.67	2.14E-04	1.89E-04	3.54E-05	3.28E-05	1.95E-05	1.63E-05	2.20E-04	1.89E-04
1331	650824.08	4194833.24	1.92E-04	1.70E-04	3.19E-05	2.95E-05	1.75E-05	1.46E-05	1.98E-04	1.70E-04
1332	651092.66	4195344.32	2.10E-04	1.86E-04	3.49E-05	3.23E-05	1.92E-05	1.60E-05	2.17E-04	1.87E-04
1333	650970.29	4195290.91	2.46E-04	2.18E-04	4.08E-05	3.78E-05	2.24E-05	1.87E-05	2.54E-04	2.18E-04
1334	650929.5	4195273.11	2.36E-04	2.09E-04	3.91E-05	3.62E-05	2.15E-05	1.80E-05	2.43E-04	2.09E-04
1335	650888.71	4195255.31	2.20E-04	1.95E-04	3.65E-05	3.38E-05	2.01E-05	1.68E-05	2.27E-04	1.95E-04
1336	650847.92	4195237.5	2.02E-04	1.78E-04	3.34E-05	3.10E-05	1.84E-05	1.54E-05	2.08E-04	1.79E-04
1337	650803	4195197.83	1.83E-04	1.62E-04	3.03E-05	2.80E-05	1.67E-05	1.39E-05	1.89E-04	1.62E-04
1338	650794.74	4195154.1	1.81E-04	1.60E-04	3.00E-05	2.78E-05	1.65E-05	1.38E-05	1.87E-04	1.60E-04
1339	650786.47	4195110.37	1.77E-04	1.57E-04	2.94E-05	2.72E-05	1.62E-05	1.35E-05	1.83E-04	1.57E-04
1340	650778.21	4195066.64	1.74E-04	1.54E-04	2.88E-05	2.67E-05	1.59E-05	1.33E-05	1.80E-04	1.54E-04
1341	650769.95	4195022.91	1.71E-04	1.51E-04	2.83E-05	2.62E-05	1.56E-05	1.30E-05	1.76E-04	1.52E-04
1342	650761.68	4194979.18	1.67E-04	1.48E-04	2.77E-05	2.57E-05	1.53E-05	1.28E-05	1.73E-04	1.48E-04
1343	650753.42	4194935.45	1.62E-04	1.44E-04	2.69E-05	2.49E-05	1.48E-05	1.24E-05	1.68E-04	1.44E-04
1344	650745.16	4194891.72	1.56E-04	1.38E-04	2.59E-05	2.40E-05	1.42E-05	1.19E-05	1.61E-04	1.39E-04
1345	650736.89	4194847.99	1.49E-04	1.31E-04	2.46E-05	2.28E-05	1.36E-05	1.13E-05	1.53E-04	1.32E-04
1346	650728.63	4194804.25	1.39E-04	1.23E-04	2.30E-05	2.13E-05	1.27E-05	1.06E-05	1.44E-04	1.23E-04
1347	651281.05	4195403.22	1.02E-04	9.04E-05	1.69E-05	1.57E-05	9.33E-06	7.79E-06	1.06E-04	9.07E-05
1348	651303.87	4195401.51	9.79E-05	8.66E-05	1.62E-05	1.50E-05	8.94E-06	7.46E-06	1.01E-04	8.69E-05
1349	651463.58	4195389.56	8.95E-05	7.91E-05	1.48E-05	1.37E-05	8.17E-06	6.82E-06	9.24E-05	7.94E-05
1350	651486.4	4195387.86	9.06E-05	8.01E-05	1.50E-05	1.39E-05	8.26E-06	6.90E-06	9.35E-05	8.03E-05
1351	651222.32	4195497.38	8.58E-05	7.59E-05	1.42E-05	1.32E-05	7.83E-06	6.54E-06	8.85E-05	7.61E-05
1352	651181.21	4195479.44	1.00E-04	8.86E-05	1.66E-05	1.54E-05	9.14E-06	7.63E-06	1.03E-04	8.89E-05
1353	651098.98	4195443.55	1.43E-04	1.26E-04	2.37E-05	2.19E-05	1.30E-05	1.09E-05	1.47E-04	1.27E-04
1354	651057.86	4195425.6	1.66E-04	1.47E-04	2.76E-05	2.55E-05	1.52E-05	1.27E-05	1.72E-04	1.47E-04
1355	650934.52	4195371.76	1.98E-04	1.75E-04	3.28E-05	3.04E-05	1.81E-05	1.51E-05	2.04E-04	1.76E-04
1356	650893.4	4195353.82	1.93E-04	1.70E-04	3.19E-05	2.96E-05	1.76E-05	1.47E-05	1.99E-04	1.71E-04
1357	650852.29	4195335.87	1.83E-04	1.62E-04	3.03E-05	2.81E-05	1.67E-05	1.39E-05	1.89E-04	1.62E-04
1358	650811.17	4195317.93	1.71E-04	1.51E-04	2.83E-05	2.62E-05	1.56E-05	1.30E-05	1.76E-04	1.51E-04
1359	650770.05	4195299.98	1.58E-04	1.39E-04	2.61E-05	2.42E-05	1.44E-05	1.20E-05	1.63E-04	1.40E-04
1360	650724.77	4195259.99	1.44E-04	1.28E-04	2.39E-05	2.22E-05	1.32E-05	1.10E-05	1.49E-04	1.28E-04
1361	650716.44	4195215.91	1.43E-04	1.27E-04	2.37E-05	2.20E-05	1.31E-05	1.09E-05	1.48E-04	1.27E-04
1362	650708.11	4195171.83	1.41E-04	1.24E-04	2.33E-05	2.16E-05	1.28E-05	1.07E-05	1.45E-04	1.25E-04
1363	650699.78	4195127.75	1.38E-04	1.22E-04	2.28E-05	2.12E-05	1.26E-05	1.05E-05	1.42E-04	1.22E-04
1364	650695.62	4195105.71	1.37E-04	1.21E-04	2.26E-05	2.10E-05	1.25E-05	1.04E-05	1.41E-04	1.21E-04
1365	650687.29	4195061.63	1.35E-04	1.19E-04	2.23E-05	2.07E-05	1.23E-05	1.03E-05	1.39E-04	1.20E-04
1366	650678.96	4195017.55	1.33E-04	1.18E-04	2.21E-05	2.05E-05	1.22E-05	1.02E-05	1.38E-04	1.18E-04
1367	650670.63	4194973.47	1.31E-04	1.16E-04	2.17E-05	2.01E-05	1.19E-05	9.97E-06	1.35E-04	1.16E-04
1368	650662.3	4194929.39	1.27E-04	1.12E-04	2.11E-05	1.95E-05	1.16E-05	9.68E-06	1.31E-04	1.13E-04
1369	650653.97	4194885.31	1.22E-04	1.08E-04	2.02E-05	1.87E-05	1.11E-05	9.30E-06	1.26E-04	1.08E-04
1370	650645.64	4194841.22	1.16E-04	1.02E-04	1.92E-05	1.78E-05	1.06E-05	8.83E-06	1.20E-04	1.03E-04
1371	650637.31	4194797.14	1.09E-04	9.60E-05	1.80E-05	1.67E-05	9.90E-06	8.27E-06	1.12E-04	9.63E-05
1372	651265.7	4195504.65	7.71E-05	6.82E-05	1.28E-05	1.18E-05	7.04E-06	5.88E-06	7.96E-05	6.84E-05
1373	651288.51	4195502.94	7.45E-05	6.59E-05	1.23E-05	1.14E-05	6.80E-06	5.68E-06	7.69E-05	6.61E-05
1374	651311.33	4195501.24	7.21E-05	6.38E-05	1.20E-05	1.11E-05	6.58E-06	5.50E-06	7.45E-05	6.40E-05
1375	651334.15	4195499.53	7.01E-05	6.20E-05	1.16E-05	1.08E-05	6.40E-06	5.34E-06	7.23E-05	6.22E-05
1376	651356.96	4195497.82	6.84E-05	6.05E-05	1.13E-05	1.05E-05	6.24E-06	5.21E-06	7.06E-05	6.07E-05

1377	651379.78	4195496.11	6.72E-05	5.94E-05	1.11E-05	1.03E-05	6.13E-06	5.12E-06	6.94E-05	5.96E-05
1378	651402.6	4195494.41	6.65E-05	5.88E-05	1.10E-05	1.02E-05	6.07E-06	5.07E-06	6.86E-05	5.90E-05
1379	651425.41	4195492.7	6.64E-05	5.87E-05	1.10E-05	1.02E-05	6.06E-06	5.06E-06	6.85E-05	5.89E-05
1380	651448.23	4195490.99	6.69E-05	5.92E-05	1.11E-05	1.03E-05	6.10E-06	5.10E-06	6.90E-05	5.93E-05
1381	651471.04	4195489.28	6.79E-05	6.00E-05	1.13E-05	1.04E-05	6.20E-06	5.17E-06	7.01E-05	6.02E-05
1382	651493.86	4195487.58	6.92E-05	6.12E-05	1.15E-05	1.06E-05	6.31E-06	5.27E-06	7.14E-05	6.14E-05
1383	651229.67	4195597.05	6.42E-05	5.68E-05	1.06E-05	9.86E-06	5.86E-06	4.89E-06	6.63E-05	5.70E-05
1384	651208.99	4195588.03	6.79E-05	6.00E-05	1.13E-05	1.04E-05	6.20E-06	5.17E-06	7.01E-05	6.02E-05
1385	651188.32	4195579.01	7.22E-05	6.38E-05	1.20E-05	1.11E-05	6.59E-06	5.50E-06	7.45E-05	6.40E-05
1386	651167.64	4195569.98	7.73E-05	6.84E-05	1.28E-05	1.19E-05	7.05E-06	5.89E-06	7.98E-05	6.86E-05
1387	651146.96	4195560.96	8.33E-05	7.37E-05	1.38E-05	1.28E-05	7.60E-06	6.35E-06	8.60E-05	7.39E-05
1388	651126.29	4195551.93	9.04E-05	8.00E-05	1.50E-05	1.39E-05	8.25E-06	6.89E-06	9.33E-05	8.02E-05
1389	651105.61	4195542.91	9.85E-05	8.71E-05	1.63E-05	1.51E-05	8.99E-06	7.51E-06	1.02E-04	8.74E-05
1390	651084.94	4195533.88	1.07E-04	9.50E-05	1.78E-05	1.65E-05	9.80E-06	8.19E-06	1.11E-04	9.53E-05
1391	651064.26	4195524.86	1.17E-04	1.03E-04	1.94E-05	1.79E-05	1.07E-05	8.90E-06	1.21E-04	1.04E-04
1392	651043.58	4195515.83	1.26E-04	1.12E-04	2.09E-05	1.94E-05	1.15E-05	9.62E-06	1.30E-04	1.12E-04
1393	650919.53	4195461.69	1.62E-04	1.43E-04	2.69E-05	2.49E-05	1.48E-05	1.24E-05	1.67E-04	1.44E-04
1394	650898.85	4195452.66	1.63E-04	1.44E-04	2.70E-05	2.50E-05	1.49E-05	1.24E-05	1.68E-04	1.44E-04
1395	650878.18	4195443.64	1.62E-04	1.43E-04	2.69E-05	2.49E-05	1.48E-05	1.24E-05	1.67E-04	1.44E-04
1396	650857.5	4195434.61	1.60E-04	1.42E-04	2.66E-05	2.46E-05	1.46E-05	1.22E-05	1.65E-04	1.42E-04
1397	650836.83	4195425.59	1.58E-04	1.39E-04	2.61E-05	2.42E-05	1.44E-05	1.20E-05	1.63E-04	1.40E-04
1398	650816.15	4195416.56	1.54E-04	1.36E-04	2.55E-05	2.36E-05	1.41E-05	1.17E-05	1.59E-04	1.37E-04
1399	650795.48	4195407.54	1.50E-04	1.33E-04	2.49E-05	2.30E-05	1.37E-05	1.14E-05	1.55E-04	1.33E-04
1400	650774.8	4195398.52	1.46E-04	1.29E-04	2.42E-05	2.24E-05	1.33E-05	1.11E-05	1.50E-04	1.29E-04
1401	650754.12	4195389.49	1.41E-04	1.25E-04	2.34E-05	2.17E-05	1.29E-05	1.08E-05	1.46E-04	1.25E-04
1402	650733.45	4195380.47	1.37E-04	1.21E-04	2.26E-05	2.10E-05	1.25E-05	1.04E-05	1.41E-04	1.21E-04
1403	650712.77	4195371.44	1.32E-04	1.17E-04	2.19E-05	2.03E-05	1.20E-05	1.01E-05	1.36E-04	1.17E-04
1404	650692.1	4195362.42	1.27E-04	1.12E-04	2.11E-05	1.95E-05	1.16E-05	9.69E-06	1.31E-04	1.13E-04
1405	650671.42	4195353.39	1.22E-04	1.08E-04	2.03E-05	1.88E-05	1.12E-05	9.33E-06	1.26E-04	1.09E-04
1406	650646.56	4195322.2	1.18E-04	1.04E-04	1.95E-05	1.81E-05	1.07E-05	8.96E-06	1.21E-04	1.04E-04
1407	650638.18	4195277.87	1.17E-04	1.03E-04	1.93E-05	1.79E-05	1.06E-05	8.89E-06	1.20E-04	1.04E-04
1408	650633.99	4195255.7	1.16E-04	1.02E-04	1.92E-05	1.78E-05	1.06E-05	8.83E-06	1.20E-04	1.03E-04
1409	650625.61	4195211.37	1.14E-04	1.01E-04	1.88E-05	1.75E-05	1.04E-05	8.66E-06	1.17E-04	1.01E-04
1410	650621.42	4195189.2	1.13E-04	9.96E-05	1.87E-05	1.73E-05	1.03E-05	8.58E-06	1.16E-04	9.99E-05
1411	650613.04	4195144.86	1.11E-04	9.79E-05	1.83E-05	1.70E-05	1.01E-05	8.43E-06	1.14E-04	9.82E-05
1412	650608.85	4195122.7	1.10E-04	9.73E-05	1.82E-05	1.69E-05	1.00E-05	8.38E-06	1.14E-04	9.76E-05
1413	650600.48	4195078.36	1.09E-04	9.66E-05	1.81E-05	1.68E-05	9.97E-06	8.33E-06	1.13E-04	9.69E-05
1414	650596.29	4195056.2	1.09E-04	9.64E-05	1.81E-05	1.67E-05	9.94E-06	8.30E-06	1.12E-04	9.67E-05
1415	650587.91	4195011.86	1.08E-04	9.55E-05	1.79E-05	1.66E-05	9.86E-06	8.23E-06	1.12E-04	9.58E-05
1416	650583.72	4194989.69	1.07E-04	9.48E-05	1.78E-05	1.65E-05	9.78E-06	8.17E-06	1.11E-04	9.51E-05
1417	650575.34	4194945.36	1.04E-04	9.23E-05	1.73E-05	1.60E-05	9.52E-06	7.95E-06	1.08E-04	9.26E-05
1418	650571.15	4194923.19	1.03E-04	9.07E-05	1.70E-05	1.57E-05	9.36E-06	7.81E-06	1.06E-04	9.10E-05
1419	650562.78	4194878.86	9.82E-05	8.68E-05	1.63E-05	1.51E-05	8.96E-06	7.48E-06	1.01E-04	8.71E-05
1420	650558.59	4194856.69	9.57E-05	8.47E-05	1.59E-05	1.47E-05	8.74E-06	7.29E-06	9.88E-05	8.49E-05
1421	650550.21	4194812.36	9.03E-05	7.99E-05	1.50E-05	1.39E-05	8.24E-06	6.88E-06	9.32E-05	8.01E-05
1422	650546.02	4194790.19	8.75E-05	7.74E-05	1.45E-05	1.34E-05	7.98E-06	6.67E-06	9.03E-05	7.76E-05
1423	650537.64	4194745.85	8.18E-05	7.23E-05	1.36E-05	1.26E-05	7.46E-06	6.23E-06	8.44E-05	7.26E-05
1424	651250.34	4195606.08	6.10E-05	5.39E-05	1.01E-05	9.36E-06	5.57E-06	4.65E-06	6.30E-05	5.41E-05
1425	651273.16	4195604.37	5.93E-05	5.25E-05	9.83E-06	9.11E-06	5.41E-06	4.52E-06	6.12E-05	5.26E-05
1426	651295.98	4195602.66	5.77E-05	5.10E-05	9.56E-06	8.86E-06	5.26E-06	4.40E-06	5.95E-05	5.12E-05
1427	651318.79	4195600.96	5.61E-05	4.96E-05	9.30E-06	8.61E-06	5.12E-06	4.28E-06	5.79E-05	4.98E-05
1428	651341.61	4195599.25	5.46E-05	4.83E-05	9.05E-06	8.38E-06	4.98E-06	4.16E-06	5.63E-05	4.84E-05
1429	651364.42	4195597.54	5.33E-05	4.71E-05	8.83E-06	8.18E-06	4.86E-06	4.06E-06	5.50E-05	4.73E-05
1430	651119.42	4195741.86	5.36E-05	4.74E-05	8.89E-06	8.23E-06	4.89E-06	4.09E-06	5.53E-05	4.76E-05
1431	651098.58	4195732.77	5.71E-05	5.05E-05	9.46E-06	8.77E-06	5.21E-06	4.35E-06	5.89E-05	5.06E-05
1432	651077.75	4195723.67	6.13E-05	5.42E-05	1.02E-05	9.40E-06	5.59E-06	4.67E-06	6.32E-05	5.43E-05
1433	650786.05	4195596.35	1.16E-04	1.03E-04	1.93E-05	1.79E-05	1.06E-05	8.86E-06	1.20E-04	1.03E-04
1434	650765.22	4195587.26	1.15E-04	1.02E-04	1.91E-05	1.77E-05	1.05E-05	8.78E-06	1.19E-04	1.02E-04
1435	650744.38	4195578.17	1.14E-04	1.01E-04	1.89E-05	1.75E-05	1.04E-05	8.67E-06	1.17E-04	1.01E-04
1436	650723.54	4195569.07	1.12E-04	9.89E-05	1.85E-05	1.72E-05	1.02E-05	8.52E-06	1.15E-04	9.92E-05

1437	650702.71	4195559.98	1.10E-04	9.70E-05	1.82E-05	1.68E-05	1.00E-05	8.36E-06	1.13E-04	9.73E-05
1438	650681.87	4195550.88	1.07E-04	9.49E-05	1.78E-05	1.65E-05	9.79E-06	8.17E-06	1.11E-04	9.52E-05
1439	650661.04	4195541.79	1.05E-04	9.26E-05	1.74E-05	1.61E-05	9.56E-06	7.98E-06	1.08E-04	9.29E-05
1440	650640.2	4195532.7	1.02E-04	9.03E-05	1.69E-05	1.57E-05	9.32E-06	7.78E-06	1.05E-04	9.06E-05
1441	650619.37	4195523.6	9.95E-05	8.80E-05	1.65E-05	1.53E-05	9.07E-06	7.58E-06	1.03E-04	8.82E-05
1442	650598.53	4195514.51	9.68E-05	8.56E-05	1.60E-05	1.49E-05	8.83E-06	7.38E-06	9.99E-05	8.59E-05
1443	650577.7	4195505.41	9.42E-05	8.33E-05	1.56E-05	1.45E-05	8.59E-06	7.17E-06	9.72E-05	8.35E-05
1444	650556.86	4195496.32	9.15E-05	8.09E-05	1.52E-05	1.40E-05	8.35E-06	6.97E-06	9.45E-05	8.12E-05
1445	650536.03	4195487.22	8.89E-05	7.86E-05	1.47E-05	1.36E-05	8.11E-06	6.77E-06	9.17E-05	7.88E-05
1446	650515.19	4195478.13	8.62E-05	7.63E-05	1.43E-05	1.32E-05	7.87E-06	6.57E-06	8.90E-05	7.65E-05
1447	650490.13	4195446.7	8.36E-05	7.39E-05	1.39E-05	1.28E-05	7.62E-06	6.37E-06	8.63E-05	7.41E-05
1448	650481.69	4195402.02	8.30E-05	7.34E-05	1.38E-05	1.27E-05	7.57E-06	6.32E-06	8.57E-05	7.36E-05
1449	650477.47	4195379.68	8.25E-05	7.29E-05	1.37E-05	1.27E-05	7.53E-06	6.28E-06	8.51E-05	7.32E-05
1450	650469.03	4195335.01	8.11E-05	7.17E-05	1.34E-05	1.25E-05	7.40E-06	6.18E-06	8.37E-05	7.20E-05
1451	650464.81	4195312.67	8.04E-05	7.11E-05	1.33E-05	1.23E-05	7.33E-06	6.12E-06	8.29E-05	7.13E-05
1452	650456.36	4195267.99	7.89E-05	6.98E-05	1.31E-05	1.21E-05	7.20E-06	6.01E-06	8.14E-05	7.00E-05
1453	650452.14	4195245.65	7.83E-05	6.93E-05	1.30E-05	1.20E-05	7.15E-06	5.97E-06	8.08E-05	6.95E-05
1454	650443.7	4195200.98	7.76E-05	6.86E-05	1.29E-05	1.19E-05	7.08E-06	5.91E-06	8.01E-05	6.88E-05
1455	650439.48	4195178.64	7.75E-05	6.85E-05	1.28E-05	1.19E-05	7.07E-06	5.90E-06	8.00E-05	6.87E-05
1456	650431.03	4195133.96	7.77E-05	6.87E-05	1.29E-05	1.19E-05	7.09E-06	5.92E-06	8.02E-05	6.89E-05
1457	650426.81	4195111.62	7.78E-05	6.88E-05	1.29E-05	1.19E-05	7.10E-06	5.93E-06	8.03E-05	6.90E-05
1458	650418.37	4195066.95	7.78E-05	6.88E-05	1.29E-05	1.19E-05	7.10E-06	5.93E-06	8.03E-05	6.90E-05
1459	650414.15	4195044.61	7.75E-05	6.86E-05	1.29E-05	1.19E-05	7.08E-06	5.91E-06	8.00E-05	6.88E-05
1460	650405.71	4194999.93	7.62E-05	6.74E-05	1.26E-05	1.17E-05	6.95E-06	5.81E-06	7.87E-05	6.76E-05
1461	650401.49	4194977.59	7.51E-05	6.64E-05	1.25E-05	1.15E-05	6.85E-06	5.72E-06	7.75E-05	6.66E-05
1462	650393.04	4194932.92	7.24E-05	6.41E-05	1.20E-05	1.11E-05	6.61E-06	5.52E-06	7.48E-05	6.43E-05
1463	650388.82	4194910.58	7.09E-05	6.27E-05	1.18E-05	1.09E-05	6.47E-06	5.40E-06	7.32E-05	6.29E-05
1464	650384.6	4194888.24	6.93E-05	6.13E-05	1.15E-05	1.06E-05	6.32E-06	5.28E-06	7.15E-05	6.15E-05
1465	650376.16	4194843.56	6.60E-05	5.84E-05	1.09E-05	1.01E-05	6.02E-06	5.03E-06	6.82E-05	5.86E-05
1466	650371.94	4194821.22	6.44E-05	5.70E-05	1.07E-05	9.89E-06	5.88E-06	4.91E-06	6.65E-05	5.72E-05
1467	650363.49	4194776.55	6.14E-05	5.43E-05	1.02E-05	9.43E-06	5.60E-06	4.68E-06	6.34E-05	5.45E-05
1468	650359.27	4194754.21	6.00E-05	5.30E-05	9.94E-06	9.21E-06	5.47E-06	4.57E-06	6.19E-05	5.32E-05
1469	650350.83	4194709.53	5.71E-05	5.05E-05	9.46E-06	8.76E-06	5.21E-06	4.35E-06	5.89E-05	5.06E-05
1470	650346.61	4194687.19	5.55E-05	4.91E-05	9.21E-06	8.53E-06	5.07E-06	4.23E-06	5.73E-05	4.93E-05
1471	651265.27	4195805.52	4.06E-05	3.59E-05	6.72E-06	6.23E-06	3.70E-06	3.09E-06	4.19E-05	3.60E-05
1472	651288.08	4195803.81	3.96E-05	3.50E-05	6.56E-06	6.08E-06	3.61E-06	3.02E-06	4.09E-05	3.51E-05
1473	651310.9	4195802.11	3.85E-05	3.41E-05	6.39E-06	5.92E-06	3.52E-06	2.94E-06	3.98E-05	3.42E-05
1474	651333.72	4195800.4	3.74E-05	3.31E-05	6.20E-06	5.75E-06	3.41E-06	2.85E-06	3.86E-05	3.32E-05
1475	651356.53	4195798.69	3.64E-05	3.22E-05	6.03E-06	5.58E-06	3.32E-06	2.77E-06	3.75E-05	3.23E-05
1476	651379.35	4195796.98	3.55E-05	3.14E-05	5.88E-06	5.45E-06	3.24E-06	2.70E-06	3.66E-05	3.15E-05
1477	651402.16	4195795.28	3.49E-05	3.09E-05	5.78E-06	5.36E-06	3.18E-06	2.66E-06	3.60E-05	3.10E-05
1478	651424.98	4195793.57	3.47E-05	3.07E-05	5.75E-06	5.32E-06	3.16E-06	2.64E-06	3.58E-05	3.07E-05
1479	651447.8	4195791.86	3.48E-05	3.08E-05	5.77E-06	5.35E-06	3.18E-06	2.65E-06	3.60E-05	3.09E-05
1480	651470.61	4195790.16	3.54E-05	3.13E-05	5.87E-06	5.43E-06	3.23E-06	2.70E-06	3.65E-05	3.14E-05
1481	651493.43	4195788.45	3.63E-05	3.21E-05	6.02E-06	5.57E-06	3.31E-06	2.77E-06	3.75E-05	3.22E-05
1482	651259.25	4195995.82	3.08E-05	2.72E-05	5.10E-06	4.72E-06	2.81E-06	2.34E-06	3.18E-05	2.73E-05
1483	651238.31	4195986.69	3.18E-05	2.81E-05	5.27E-06	4.88E-06	2.90E-06	2.42E-06	3.28E-05	2.82E-05
1484	651217.37	4195977.55	3.26E-05	2.88E-05	5.41E-06	5.01E-06	2.98E-06	2.49E-06	3.37E-05	2.89E-05
1485	651196.44	4195968.41	3.34E-05	2.95E-05	5.53E-06	5.12E-06	3.05E-06	2.54E-06	3.45E-05	2.96E-05
1486	651175.5	4195959.27	3.41E-05	3.01E-05	5.65E-06	5.23E-06	3.11E-06	2.60E-06	3.52E-05	3.02E-05
1487	651154.56	4195950.13	3.48E-05	3.08E-05	5.77E-06	5.34E-06	3.17E-06	2.65E-06	3.59E-05	3.09E-05
1488	651133.62	4195940.99	3.56E-05	3.15E-05	5.91E-06	5.47E-06	3.25E-06	2.71E-06	3.68E-05	3.16E-05
1489	651112.68	4195931.85	3.67E-05	3.24E-05	6.08E-06	5.63E-06	3.35E-06	2.79E-06	3.79E-05	3.25E-05
1490	651091.74	4195922.71	3.80E-05	3.36E-05	6.31E-06	5.84E-06	3.47E-06	2.90E-06	3.93E-05	3.37E-05
1491	651070.81	4195913.57	3.98E-05	3.52E-05	6.60E-06	6.11E-06	3.63E-06	3.03E-06	4.11E-05	3.53E-05
1492	651049.87	4195904.43	4.20E-05	3.71E-05	6.96E-06	6.45E-06	3.83E-06	3.20E-06	4.33E-05	3.73E-05
1493	651028.93	4195895.29	4.47E-05	3.95E-05	7.40E-06	6.86E-06	4.08E-06	3.40E-06	4.61E-05	3.96E-05
1494	651007.99	4195886.16	4.78E-05	4.23E-05	7.93E-06	7.34E-06	4.36E-06	3.64E-06	4.94E-05	4.24E-05
1495	650987.05	4195877.02	5.14E-05	4.54E-05	8.51E-06	7.89E-06	4.69E-06	3.91E-06	5.30E-05	4.56E-05
1496	650966.11	4195867.88	5.53E-05	4.89E-05	9.16E-06	8.48E-06	5.04E-06	4.21E-06	5.70E-05	4.90E-05

1497	650672.98	4195739.93	8.77E-05	7.76E-05	1.45E-05	1.35E-05	8.01E-06	6.69E-06	9.06E-05	7.78E-05
1498	650652.04	4195730.79	8.68E-05	7.68E-05	1.44E-05	1.33E-05	7.92E-06	6.62E-06	8.96E-05	7.70E-05
1499	650631.1	4195721.65	8.57E-05	7.58E-05	1.42E-05	1.32E-05	7.82E-06	6.53E-06	8.84E-05	7.60E-05
1500	650610.16	4195712.51	8.44E-05	7.46E-05	1.40E-05	1.29E-05	7.70E-06	6.43E-06	8.71E-05	7.48E-05
1501	650589.22	4195703.37	8.29E-05	7.33E-05	1.37E-05	1.27E-05	7.56E-06	6.31E-06	8.55E-05	7.35E-05
1502	650568.29	4195694.23	8.13E-05	7.19E-05	1.35E-05	1.25E-05	7.42E-06	6.19E-06	8.39E-05	7.21E-05
1503	650547.35	4195685.1	7.96E-05	7.04E-05	1.32E-05	1.22E-05	7.27E-06	6.07E-06	8.22E-05	7.06E-05
1504	650526.41	4195675.96	7.79E-05	6.89E-05	1.29E-05	1.20E-05	7.11E-06	5.94E-06	8.04E-05	6.91E-05
1505	650505.47	4195666.82	7.62E-05	6.74E-05	1.26E-05	1.17E-05	6.96E-06	5.81E-06	7.87E-05	6.76E-05
1506	650484.53	4195657.68	7.46E-05	6.59E-05	1.24E-05	1.14E-05	6.80E-06	5.68E-06	7.70E-05	6.61E-05
1507	650463.59	4195648.54	7.29E-05	6.45E-05	1.21E-05	1.12E-05	6.65E-06	5.56E-06	7.53E-05	6.47E-05
1508	650442.66	4195639.4	7.13E-05	6.31E-05	1.18E-05	1.09E-05	6.51E-06	5.43E-06	7.36E-05	6.33E-05
1509	650421.72	4195630.26	6.97E-05	6.17E-05	1.16E-05	1.07E-05	6.36E-06	5.31E-06	7.20E-05	6.19E-05
1510	650400.78	4195621.12	6.81E-05	6.03E-05	1.13E-05	1.05E-05	6.22E-06	5.19E-06	7.03E-05	6.04E-05
1511	650379.84	4195611.98	6.66E-05	5.89E-05	1.10E-05	1.02E-05	6.07E-06	5.07E-06	6.87E-05	5.90E-05
1512	650358.9	4195602.84	6.50E-05	5.74E-05	1.08E-05	9.97E-06	5.93E-06	4.95E-06	6.70E-05	5.76E-05
1513	650333.72	4195571.26	6.33E-05	5.60E-05	1.05E-05	9.72E-06	5.78E-06	4.82E-06	6.53E-05	5.61E-05
1514	650329.48	4195548.81	6.32E-05	5.59E-05	1.05E-05	9.70E-06	5.76E-06	4.81E-06	6.52E-05	5.60E-05
1515	650325.24	4195526.36	6.29E-05	5.56E-05	1.04E-05	9.66E-06	5.74E-06	4.79E-06	6.50E-05	5.58E-05
1516	650321	4195503.91	6.26E-05	5.53E-05	1.04E-05	9.61E-06	5.71E-06	4.77E-06	6.46E-05	5.55E-05
1517	650316.75	4195481.46	6.22E-05	5.50E-05	1.03E-05	9.54E-06	5.67E-06	4.74E-06	6.42E-05	5.51E-05
1518	650312.51	4195459.01	6.17E-05	5.45E-05	1.02E-05	9.47E-06	5.63E-06	4.70E-06	6.36E-05	5.47E-05
1519	650308.27	4195436.56	6.11E-05	5.41E-05	1.01E-05	9.38E-06	5.58E-06	4.66E-06	6.31E-05	5.42E-05
1520	650304.03	4195414.12	6.06E-05	5.36E-05	1.00E-05	9.30E-06	5.53E-06	4.62E-06	6.25E-05	5.37E-05
1521	650299.78	4195391.67	6.01E-05	5.31E-05	9.96E-06	9.22E-06	5.48E-06	4.58E-06	6.20E-05	5.33E-05
1522	650295.54	4195369.22	5.96E-05	5.27E-05	9.88E-06	9.15E-06	5.44E-06	4.54E-06	6.15E-05	5.28E-05
1523	650287.06	4195324.32	5.88E-05	5.20E-05	9.75E-06	9.03E-06	5.37E-06	4.48E-06	6.07E-05	5.22E-05
1524	650282.82	4195301.87	5.86E-05	5.18E-05	9.71E-06	9.00E-06	5.35E-06	4.47E-06	6.05E-05	5.20E-05
1525	650278.57	4195279.42	5.85E-05	5.17E-05	9.70E-06	8.98E-06	5.34E-06	4.46E-06	6.04E-05	5.19E-05
1526	650274.33	4195256.97	5.85E-05	5.17E-05	9.70E-06	8.98E-06	5.34E-06	4.46E-06	6.04E-05	5.19E-05
1527	650270.09	4195234.53	5.86E-05	5.18E-05	9.71E-06	9.00E-06	5.35E-06	4.47E-06	6.05E-05	5.20E-05
1528	650265.85	4195212.08	5.88E-05	5.20E-05	9.75E-06	9.03E-06	5.36E-06	4.48E-06	6.07E-05	5.22E-05
1529	650261.61	4195189.63	5.90E-05	5.22E-05	9.79E-06	9.06E-06	5.39E-06	4.50E-06	6.09E-05	5.24E-05
1530	650257.36	4195167.18	5.93E-05	5.24E-05	9.83E-06	9.10E-06	5.41E-06	4.52E-06	6.12E-05	5.26E-05
1531	650253.12	4195144.73	5.95E-05	5.26E-05	9.86E-06	9.13E-06	5.43E-06	4.53E-06	6.14E-05	5.28E-05
1532	650244.64	4195099.83	5.95E-05	5.27E-05	9.87E-06	9.14E-06	5.43E-06	4.54E-06	6.15E-05	5.28E-05
1533	650240.39	4195077.39	5.93E-05	5.25E-05	9.83E-06	9.11E-06	5.41E-06	4.52E-06	6.12E-05	5.26E-05
1534	650236.15	4195054.94	5.89E-05	5.21E-05	9.76E-06	9.04E-06	5.37E-06	4.49E-06	6.08E-05	5.22E-05
1535	650231.91	4195032.49	5.83E-05	5.15E-05	9.66E-06	8.94E-06	5.32E-06	4.44E-06	6.01E-05	5.17E-05
1536	650227.67	4195010.04	5.75E-05	5.08E-05	9.52E-06	8.82E-06	5.24E-06	4.38E-06	5.93E-05	5.10E-05
1537	650223.43	4194987.59	5.65E-05	4.99E-05	9.36E-06	8.67E-06	5.15E-06	4.30E-06	5.83E-05	5.01E-05
1538	650219.18	4194965.14	5.54E-05	4.90E-05	9.18E-06	8.50E-06	5.05E-06	4.22E-06	5.71E-05	4.91E-05
1539	650214.94	4194942.69	5.42E-05	4.79E-05	8.98E-06	8.32E-06	4.94E-06	4.13E-06	5.59E-05	4.81E-05
1540	650210.7	4194920.24	5.30E-05	4.69E-05	8.79E-06	8.14E-06	4.84E-06	4.04E-06	5.47E-05	4.70E-05
1541	650202.22	4194875.35	5.09E-05	4.50E-05	8.43E-06	7.81E-06	4.64E-06	3.88E-06	5.25E-05	4.51E-05
1542	650197.97	4194852.9	4.99E-05	4.41E-05	8.27E-06	7.66E-06	4.55E-06	3.80E-06	5.15E-05	4.42E-05
1543	650193.73	4194830.45	4.90E-05	4.33E-05	8.12E-06	7.52E-06	4.47E-06	3.73E-06	5.05E-05	4.34E-05
1544	650189.49	4194808	4.81E-05	4.26E-05	7.98E-06	7.39E-06	4.39E-06	3.67E-06	4.97E-05	4.27E-05
1545	650185.25	4194785.55	4.73E-05	4.18E-05	7.84E-06	7.26E-06	4.32E-06	3.61E-06	4.88E-05	4.20E-05
1546	650181	4194763.1	4.66E-05	4.12E-05	7.72E-06	7.15E-06	4.25E-06	3.55E-06	4.81E-05	4.13E-05
1547	650176.76	4194740.66	4.58E-05	4.05E-05	7.59E-06	7.03E-06	4.18E-06	3.49E-06	4.73E-05	4.06E-05
1548	650172.52	4194718.21	4.50E-05	3.98E-05	7.46E-06	6.91E-06	4.10E-06	3.43E-06	4.64E-05	3.99E-05
1549	650164.04	4194673.31	4.31E-05	3.82E-05	7.15E-06	6.62E-06	3.94E-06	3.29E-06	4.45E-05	3.83E-05
1550	650159.79	4194650.86	4.20E-05	3.72E-05	6.97E-06	6.45E-06	3.84E-06	3.20E-06	4.34E-05	3.73E-05
1551	650155.55	4194628.41	4.08E-05	3.61E-05	6.77E-06	6.27E-06	3.72E-06	3.11E-06	4.21E-05	3.62E-05
1552	650151.31	4194605.96	3.95E-05	3.49E-05	6.55E-06	6.07E-06	3.60E-06	3.01E-06	4.08E-05	3.50E-05
1553	651280.19	4196004.96	2.97E-05	2.62E-05	4.92E-06	4.55E-06	2.71E-06	2.26E-06	3.06E-05	2.63E-05
1554	651303.01	4196003.26	2.88E-05	2.55E-05	4.78E-06	4.42E-06	2.63E-06	2.20E-06	2.97E-05	2.56E-05
1555	651325.82	4196001.55	2.79E-05	2.47E-05	4.63E-06	4.28E-06	2.55E-06	2.13E-06	2.88E-05	2.48E-05
1556	651348.64	4195999.84	2.70E-05	2.39E-05	4.48E-06	4.15E-06	2.47E-06	2.06E-06	2.79E-05	2.40E-05

1557	651371.46	4195998.13	2.62E-05	2.32E-05	4.35E-06	4.03E-06	2.39E-06	2.00E-06	2.71E-05	2.33E-05
1558	651394.27	4195996.43	2.56E-05	2.27E-05	4.25E-06	3.94E-06	2.34E-06	1.95E-06	2.65E-05	2.27E-05
1559	651417.09	4195994.72	2.53E-05	2.24E-05	4.19E-06	3.88E-06	2.31E-06	1.93E-06	2.61E-05	2.24E-05
1560	651439.9	4195993.01	2.52E-05	2.23E-05	4.18E-06	3.87E-06	2.30E-06	1.92E-06	2.60E-05	2.24E-05
1561	651462.72	4195991.31	2.55E-05	2.25E-05	4.22E-06	3.91E-06	2.32E-06	1.94E-06	2.63E-05	2.26E-05
1562	651485.54	4195989.6	2.60E-05	2.30E-05	4.30E-06	3.99E-06	2.37E-06	1.98E-06	2.68E-05	2.30E-05
1563	651508.35	4195987.89	2.67E-05	2.36E-05	4.43E-06	4.10E-06	2.44E-06	2.03E-06	2.76E-05	2.37E-05
1564	651531.17	4195986.18	2.76E-05	2.44E-05	4.58E-06	4.24E-06	2.52E-06	2.11E-06	2.85E-05	2.45E-05
1565	651274.49	4196195.41	2.37E-05	2.10E-05	3.93E-06	3.64E-06	2.16E-06	1.81E-06	2.45E-05	2.10E-05
1566	651253.87	4196186.4	2.46E-05	2.17E-05	4.07E-06	3.77E-06	2.24E-06	1.87E-06	2.54E-05	2.18E-05
1567	651233.25	4196177.4	2.53E-05	2.24E-05	4.20E-06	3.89E-06	2.31E-06	1.93E-06	2.62E-05	2.25E-05
1568	651212.63	4196168.4	2.60E-05	2.30E-05	4.31E-06	3.99E-06	2.37E-06	1.98E-06	2.68E-05	2.30E-05
1569	651192.01	4196159.4	2.65E-05	2.34E-05	4.39E-06	4.06E-06	2.42E-06	2.02E-06	2.73E-05	2.35E-05
1570	651171.39	4196150.4	2.69E-05	2.38E-05	4.45E-06	4.13E-06	2.45E-06	2.05E-06	2.77E-05	2.38E-05
1571	651150.77	4196141.4	2.72E-05	2.40E-05	4.50E-06	4.17E-06	2.48E-06	2.07E-06	2.81E-05	2.41E-05
1572	651130.14	4196132.4	2.75E-05	2.43E-05	4.55E-06	4.21E-06	2.50E-06	2.09E-06	2.83E-05	2.44E-05
1573	651109.52	4196123.4	2.78E-05	2.46E-05	4.60E-06	4.26E-06	2.53E-06	2.12E-06	2.87E-05	2.46E-05
1574	651088.9	4196114.4	2.82E-05	2.49E-05	4.67E-06	4.33E-06	2.57E-06	2.15E-06	2.91E-05	2.50E-05
1575	651047.66	4196096.4	2.96E-05	2.62E-05	4.90E-06	4.54E-06	2.70E-06	2.25E-06	3.05E-05	2.62E-05
1576	651027.04	4196087.4	3.07E-05	2.71E-05	5.09E-06	4.71E-06	2.80E-06	2.34E-06	3.17E-05	2.72E-05
1577	651006.42	4196078.4	3.21E-05	2.84E-05	5.32E-06	4.93E-06	2.93E-06	2.44E-06	3.31E-05	2.85E-05
1578	650985.8	4196069.4	3.38E-05	2.99E-05	5.60E-06	5.19E-06	3.09E-06	2.58E-06	3.49E-05	3.00E-05
1579	650965.18	4196060.4	3.58E-05	3.17E-05	5.94E-06	5.50E-06	3.27E-06	2.73E-06	3.70E-05	3.18E-05
1580	650944.55	4196051.4	3.82E-05	3.38E-05	6.33E-06	5.86E-06	3.48E-06	2.91E-06	3.94E-05	3.39E-05
1581	650923.93	4196042.39	4.08E-05	3.61E-05	6.76E-06	6.26E-06	3.72E-06	3.11E-06	4.21E-05	3.62E-05
1582	650903.31	4196033.39	4.36E-05	3.85E-05	7.22E-06	6.69E-06	3.97E-06	3.32E-06	4.50E-05	3.86E-05
1583	650717.72	4195952.39	6.73E-05	5.95E-05	1.12E-05	1.03E-05	6.14E-06	5.13E-06	6.95E-05	5.97E-05
1584	650697.1	4195943.39	6.86E-05	6.07E-05	1.14E-05	1.05E-05	6.26E-06	5.23E-06	7.08E-05	6.09E-05
1585	650676.48	4195934.39	6.95E-05	6.15E-05	1.15E-05	1.07E-05	6.34E-06	5.30E-06	7.18E-05	6.17E-05
1586	650655.86	4195925.39	7.01E-05	6.20E-05	1.16E-05	1.08E-05	6.39E-06	5.34E-06	7.23E-05	6.21E-05
1587	650635.24	4195916.39	7.03E-05	6.22E-05	1.17E-05	1.08E-05	6.41E-06	5.36E-06	7.25E-05	6.23E-05
1588	650614.62	4195907.39	7.02E-05	6.21E-05	1.16E-05	1.08E-05	6.41E-06	5.35E-06	7.25E-05	6.23E-05
1589	650594	4195898.38	6.99E-05	6.18E-05	1.16E-05	1.07E-05	6.38E-06	5.33E-06	7.22E-05	6.20E-05
1590	650573.37	4195889.38	6.94E-05	6.14E-05	1.15E-05	1.07E-05	6.33E-06	5.29E-06	7.16E-05	6.16E-05
1591	650552.75	4195880.38	6.88E-05	6.08E-05	1.14E-05	1.06E-05	6.28E-06	5.24E-06	7.10E-05	6.10E-05
1592	650532.13	4195871.38	6.80E-05	6.01E-05	1.13E-05	1.04E-05	6.20E-06	5.18E-06	7.02E-05	6.03E-05
1593	650511.51	4195862.38	6.71E-05	5.94E-05	1.11E-05	1.03E-05	6.12E-06	5.11E-06	6.93E-05	5.95E-05
1594	650490.89	4195853.38	6.62E-05	5.85E-05	1.10E-05	1.02E-05	6.04E-06	5.04E-06	6.83E-05	5.87E-05
1595	650470.27	4195844.38	6.51E-05	5.76E-05	1.08E-05	1.00E-05	5.94E-06	4.96E-06	6.72E-05	5.77E-05
1596	650449.65	4195835.38	6.40E-05	5.66E-05	1.06E-05	9.82E-06	5.84E-06	4.88E-06	6.61E-05	5.68E-05
1597	650429.03	4195826.38	6.29E-05	5.56E-05	1.04E-05	9.65E-06	5.73E-06	4.79E-06	6.49E-05	5.58E-05
1598	650408.41	4195817.38	6.17E-05	5.46E-05	1.02E-05	9.47E-06	5.63E-06	4.70E-06	6.37E-05	5.47E-05
1599	650367.16	4195799.38	5.94E-05	5.26E-05	9.85E-06	9.12E-06	5.42E-06	4.53E-06	6.13E-05	5.27E-05
1600	650346.54	4195790.38	5.84E-05	5.16E-05	9.67E-06	8.96E-06	5.32E-06	4.45E-06	6.02E-05	5.18E-05
1601	650264.06	4195754.37	5.43E-05	4.80E-05	9.01E-06	8.34E-06	4.96E-06	4.14E-06	5.61E-05	4.82E-05
1602	650243.44	4195745.37	5.33E-05	4.72E-05	8.84E-06	8.19E-06	4.87E-06	4.06E-06	5.51E-05	4.73E-05
1603	650222.82	4195736.37	5.23E-05	4.63E-05	8.68E-06	8.04E-06	4.78E-06	3.99E-06	5.40E-05	4.64E-05
1604	650202.2	4195727.37	5.13E-05	4.54E-05	8.50E-06	7.87E-06	4.68E-06	3.91E-06	5.29E-05	4.55E-05
1605	650177.4	4195696.26	5.02E-05	4.44E-05	8.32E-06	7.71E-06	4.58E-06	3.82E-06	5.18E-05	4.45E-05
1606	650173.22	4195674.16	5.01E-05	4.43E-05	8.31E-06	7.69E-06	4.57E-06	3.82E-06	5.17E-05	4.45E-05
1607	650164.86	4195629.94	4.97E-05	4.40E-05	8.24E-06	7.63E-06	4.54E-06	3.79E-06	5.13E-05	4.41E-05
1608	650156.51	4195585.72	4.90E-05	4.34E-05	8.13E-06	7.53E-06	4.47E-06	3.74E-06	5.06E-05	4.35E-05
1609	650148.15	4195541.5	4.83E-05	4.27E-05	8.00E-06	7.41E-06	4.40E-06	3.68E-06	4.98E-05	4.28E-05
1610	650139.8	4195497.29	4.75E-05	4.20E-05	7.87E-06	7.29E-06	4.33E-06	3.62E-06	4.90E-05	4.21E-05
1611	650135.62	4195475.18	4.72E-05	4.17E-05	7.82E-06	7.24E-06	4.30E-06	3.59E-06	4.87E-05	4.18E-05
1612	650127.26	4195430.96	4.66E-05	4.12E-05	7.72E-06	7.15E-06	4.25E-06	3.55E-06	4.81E-05	4.13E-05
1613	650118.91	4195386.74	4.63E-05	4.09E-05	7.67E-06	7.11E-06	4.22E-06	3.53E-06	4.78E-05	4.11E-05
1614	650110.55	4195342.53	4.63E-05	4.09E-05	7.67E-06	7.10E-06	4.22E-06	3.52E-06	4.77E-05	4.10E-05
1615	650102.19	4195298.31	4.65E-05	4.11E-05	7.71E-06	7.14E-06	4.24E-06	3.54E-06	4.80E-05	4.12E-05
1616	650098.02	4195276.2	4.67E-05	4.13E-05	7.74E-06	7.17E-06	4.26E-06	3.56E-06	4.82E-05	4.14E-05

1617	650089.66	4195231.99	4.72E-05	4.17E-05	7.82E-06	7.24E-06	4.30E-06	3.59E-06	4.87E-05	4.18E-05
1618	650081.31	4195187.77	4.76E-05	4.21E-05	7.89E-06	7.31E-06	4.34E-06	3.63E-06	4.91E-05	4.22E-05
1619	650077.13	4195165.66	4.77E-05	4.22E-05	7.91E-06	7.32E-06	4.35E-06	3.63E-06	4.92E-05	4.23E-05
1620	650068.77	4195121.44	4.76E-05	4.21E-05	7.88E-06	7.30E-06	4.34E-06	3.62E-06	4.91E-05	4.22E-05
1621	650060.42	4195077.23	4.68E-05	4.14E-05	7.76E-06	7.19E-06	4.27E-06	3.57E-06	4.83E-05	4.15E-05
1622	650052.06	4195033.01	4.55E-05	4.03E-05	7.55E-06	6.99E-06	4.15E-06	3.47E-06	4.70E-05	4.04E-05
1623	650043.7	4194988.79	4.39E-05	3.88E-05	7.27E-06	6.73E-06	4.00E-06	3.34E-06	4.53E-05	3.89E-05
1624	650039.53	4194966.68	4.30E-05	3.80E-05	7.12E-06	6.60E-06	3.92E-06	3.27E-06	4.44E-05	3.81E-05
1625	650031.17	4194922.47	4.13E-05	3.65E-05	6.85E-06	6.34E-06	3.77E-06	3.15E-06	4.26E-05	3.66E-05
1626	650022.81	4194878.25	3.99E-05	3.53E-05	6.62E-06	6.13E-06	3.64E-06	3.04E-06	4.12E-05	3.54E-05
1627	650014.46	4194834.03	3.89E-05	3.44E-05	6.44E-06	5.97E-06	3.55E-06	2.96E-06	4.01E-05	3.45E-05
1628	650006.1	4194789.81	3.80E-05	3.36E-05	6.30E-06	5.84E-06	3.47E-06	2.90E-06	3.92E-05	3.37E-05
1629	650001.93	4194767.71	3.76E-05	3.33E-05	6.24E-06	5.78E-06	3.43E-06	2.87E-06	3.88E-05	3.34E-05
1630	649993.57	4194723.49	3.68E-05	3.25E-05	6.09E-06	5.64E-06	3.35E-06	2.80E-06	3.79E-05	3.26E-05
1631	649985.21	4194679.27	3.56E-05	3.15E-05	5.90E-06	5.47E-06	3.25E-06	2.71E-06	3.68E-05	3.16E-05
1632	649981.04	4194657.16	3.49E-05	3.09E-05	5.78E-06	5.36E-06	3.18E-06	2.66E-06	3.60E-05	3.10E-05
1633	649972.68	4194612.95	3.32E-05	2.94E-05	5.50E-06	5.10E-06	3.03E-06	2.53E-06	3.43E-05	2.95E-05
1634	649964.32	4194568.73	3.13E-05	2.77E-05	5.19E-06	4.80E-06	2.85E-06	2.38E-06	3.23E-05	2.77E-05
1635	651295.11	4196204.41	2.28E-05	2.02E-05	3.78E-06	3.50E-06	2.08E-06	1.74E-06	2.35E-05	2.02E-05
1636	651317.93	4196202.7	2.20E-05	1.95E-05	3.65E-06	3.38E-06	2.01E-06	1.68E-06	2.27E-05	1.95E-05
1637	651340.75	4196200.99	2.13E-05	1.88E-05	3.53E-06	3.27E-06	1.94E-06	1.62E-06	2.20E-05	1.89E-05
1638	651363.56	4196199.28	2.06E-05	1.82E-05	3.41E-06	3.16E-06	1.88E-06	1.57E-06	2.13E-05	1.83E-05
1639	651386.38	4196197.58	2.00E-05	1.77E-05	3.32E-06	3.08E-06	1.83E-06	1.53E-06	2.07E-05	1.78E-05
1640	651409.2	4196195.87	1.97E-05	1.74E-05	3.26E-06	3.02E-06	1.79E-06	1.50E-06	2.03E-05	1.74E-05
1641	651432.01	4196194.16	1.95E-05	1.72E-05	3.23E-06	2.99E-06	1.78E-06	1.48E-06	2.01E-05	1.73E-05
1642	651454.83	4196192.45	1.95E-05	1.73E-05	3.24E-06	3.00E-06	1.78E-06	1.49E-06	2.01E-05	1.73E-05
1643	651477.64	4196190.75	1.98E-05	1.75E-05	3.28E-06	3.03E-06	1.80E-06	1.51E-06	2.04E-05	1.75E-05
1644	651500.46	4196189.04	2.02E-05	1.79E-05	3.35E-06	3.10E-06	1.84E-06	1.54E-06	2.08E-05	1.79E-05
1645	651523.28	4196187.33	2.08E-05	1.84E-05	3.45E-06	3.19E-06	1.90E-06	1.58E-06	2.15E-05	1.84E-05
1646	651546.09	4196185.63	2.15E-05	1.90E-05	3.57E-06	3.31E-06	1.96E-06	1.64E-06	2.22E-05	1.91E-05
1647	651289.31	4196394.8	1.89E-05	1.67E-05	3.13E-06	2.90E-06	1.72E-06	1.44E-06	1.95E-05	1.68E-05
1648	651268.59	4196385.76	1.97E-05	1.74E-05	3.26E-06	3.02E-06	1.79E-06	1.50E-06	2.03E-05	1.74E-05
1649	651247.87	4196376.71	2.04E-05	1.80E-05	3.38E-06	3.13E-06	1.86E-06	1.55E-06	2.10E-05	1.81E-05
1650	651227.14	4196367.67	2.10E-05	1.86E-05	3.48E-06	3.23E-06	1.92E-06	1.60E-06	2.17E-05	1.86E-05
1651	651206.42	4196358.62	2.16E-05	1.91E-05	3.57E-06	3.31E-06	1.97E-06	1.64E-06	2.22E-05	1.91E-05
1652	651185.7	4196349.58	2.20E-05	1.94E-05	3.64E-06	3.37E-06	2.01E-06	1.67E-06	2.27E-05	1.95E-05
1653	651164.97	4196340.53	2.23E-05	1.97E-05	3.69E-06	3.42E-06	2.03E-06	1.70E-06	2.30E-05	1.98E-05
1654	651144.25	4196331.49	2.25E-05	1.99E-05	3.72E-06	3.45E-06	2.05E-06	1.71E-06	2.32E-05	1.99E-05
1655	651123.53	4196322.44	2.26E-05	2.00E-05	3.74E-06	3.46E-06	2.06E-06	1.72E-06	2.33E-05	2.00E-05
1656	651102.8	4196313.4	2.26E-05	2.00E-05	3.75E-06	3.48E-06	2.07E-06	1.72E-06	2.34E-05	2.01E-05
1657	651082.08	4196304.35	2.27E-05	2.01E-05	3.76E-06	3.48E-06	2.07E-06	1.73E-06	2.34E-05	2.01E-05
1658	651061.36	4196295.3	2.28E-05	2.02E-05	3.78E-06	3.50E-06	2.08E-06	1.74E-06	2.36E-05	2.02E-05
1659	651040.63	4196286.26	2.30E-05	2.04E-05	3.82E-06	3.54E-06	2.10E-06	1.76E-06	2.38E-05	2.04E-05
1660	651019.91	4196277.21	2.34E-05	2.07E-05	3.88E-06	3.60E-06	2.14E-06	1.79E-06	2.42E-05	2.08E-05
1661	650999.19	4196268.17	2.40E-05	2.12E-05	3.98E-06	3.69E-06	2.19E-06	1.83E-06	2.48E-05	2.13E-05
1662	650978.46	4196259.12	2.48E-05	2.19E-05	4.11E-06	3.81E-06	2.26E-06	1.89E-06	2.56E-05	2.20E-05
1663	650957.74	4196250.08	2.58E-05	2.28E-05	4.28E-06	3.96E-06	2.36E-06	1.97E-06	2.66E-05	2.29E-05
1664	650937.02	4196241.03	2.71E-05	2.39E-05	4.49E-06	4.16E-06	2.47E-06	2.06E-06	2.80E-05	2.40E-05
1665	650916.29	4196231.99	2.86E-05	2.53E-05	4.73E-06	4.38E-06	2.61E-06	2.18E-06	2.95E-05	2.53E-05
1666	650895.57	4196222.94	3.03E-05	2.68E-05	5.02E-06	4.65E-06	2.76E-06	2.31E-06	3.12E-05	2.68E-05
1667	650874.84	4196213.9	3.21E-05	2.84E-05	5.33E-06	4.93E-06	2.93E-06	2.45E-06	3.32E-05	2.85E-05
1668	650854.12	4196204.85	3.42E-05	3.02E-05	5.66E-06	5.25E-06	3.12E-06	2.60E-06	3.53E-05	3.03E-05
1669	650833.4	4196195.81	3.63E-05	3.21E-05	6.02E-06	5.58E-06	3.31E-06	2.77E-06	3.75E-05	3.22E-05
1670	650812.67	4196186.76	3.86E-05	3.41E-05	6.39E-06	5.92E-06	3.52E-06	2.94E-06	3.98E-05	3.42E-05
1671	650709.06	4196141.53	4.97E-05	4.39E-05	8.24E-06	7.63E-06	4.53E-06	3.79E-06	5.13E-05	4.41E-05
1672	650688.33	4196132.49	5.16E-05	4.56E-05	8.55E-06	7.92E-06	4.71E-06	3.93E-06	5.32E-05	4.57E-05
1673	650667.61	4196123.44	5.32E-05	4.71E-05	8.82E-06	8.17E-06	4.86E-06	4.06E-06	5.49E-05	4.72E-05
1674	650646.89	4196114.4	5.46E-05	4.83E-05	9.06E-06	8.39E-06	4.99E-06	4.16E-06	5.64E-05	4.85E-05
1675	650626.16	4196105.35	5.58E-05	4.93E-05	9.25E-06	8.56E-06	5.09E-06	4.25E-06	5.76E-05	4.95E-05
1676	650605.44	4196096.31	5.66E-05	5.01E-05	9.38E-06	8.69E-06	5.17E-06	4.31E-06	5.84E-05	5.02E-05

1677	650584.72	4196087.26	5.72E-05	5.06E-05	9.48E-06	8.78E-06	5.22E-06	4.36E-06	5.90E-05	5.07E-05
1678	650563.99	4196078.22	5.75E-05	5.09E-05	9.53E-06	8.83E-06	5.25E-06	4.38E-06	5.94E-05	5.10E-05
1679	650543.27	4196069.17	5.76E-05	5.09E-05	9.55E-06	8.84E-06	5.26E-06	4.39E-06	5.95E-05	5.11E-05
1680	650522.55	4196060.13	5.75E-05	5.08E-05	9.53E-06	8.83E-06	5.25E-06	4.38E-06	5.93E-05	5.10E-05
1681	650501.82	4196051.08	5.72E-05	5.06E-05	9.49E-06	8.79E-06	5.22E-06	4.36E-06	5.91E-05	5.08E-05
1682	650481.1	4196042.04	5.69E-05	5.03E-05	9.43E-06	8.73E-06	5.19E-06	4.33E-06	5.87E-05	5.04E-05
1683	650460.38	4196032.99	5.64E-05	4.99E-05	9.35E-06	8.66E-06	5.15E-06	4.30E-06	5.82E-05	5.00E-05
1684	650439.65	4196023.95	5.59E-05	4.94E-05	9.26E-06	8.58E-06	5.10E-06	4.26E-06	5.77E-05	4.96E-05
1685	650418.93	4196014.9	5.53E-05	4.89E-05	9.16E-06	8.49E-06	5.04E-06	4.21E-06	5.71E-05	4.90E-05
1686	650398.21	4196005.86	5.46E-05	4.83E-05	9.05E-06	8.38E-06	4.98E-06	4.16E-06	5.64E-05	4.84E-05
1687	650377.48	4195996.81	5.39E-05	4.77E-05	8.94E-06	8.28E-06	4.92E-06	4.11E-06	5.56E-05	4.78E-05
1688	650356.76	4195987.76	5.31E-05	4.70E-05	8.81E-06	8.16E-06	4.85E-06	4.05E-06	5.48E-05	4.71E-05
1689	650336.04	4195978.72	5.23E-05	4.63E-05	8.67E-06	8.03E-06	4.77E-06	3.99E-06	5.40E-05	4.64E-05
1690	650315.31	4195969.67	5.15E-05	4.55E-05	8.53E-06	7.90E-06	4.70E-06	3.92E-06	5.31E-05	4.57E-05
1691	650294.59	4195960.63	5.06E-05	4.48E-05	8.39E-06	7.77E-06	4.62E-06	3.86E-06	5.22E-05	4.49E-05
1692	650273.87	4195951.58	4.98E-05	4.40E-05	8.25E-06	7.64E-06	4.54E-06	3.79E-06	5.14E-05	4.41E-05
1693	650253.14	4195942.54	4.89E-05	4.33E-05	8.11E-06	7.51E-06	4.46E-06	3.73E-06	5.05E-05	4.34E-05
1694	650232.42	4195933.49	4.81E-05	4.26E-05	7.98E-06	7.39E-06	4.39E-06	3.67E-06	4.97E-05	4.27E-05
1695	650211.69	4195924.45	4.74E-05	4.19E-05	7.86E-06	7.28E-06	4.32E-06	3.61E-06	4.89E-05	4.20E-05
1696	650190.97	4195915.4	4.67E-05	4.13E-05	7.74E-06	7.17E-06	4.26E-06	3.56E-06	4.82E-05	4.14E-05
1697	650170.25	4195906.36	4.60E-05	4.07E-05	7.63E-06	7.06E-06	4.20E-06	3.51E-06	4.75E-05	4.08E-05
1698	650149.52	4195897.31	4.54E-05	4.01E-05	7.52E-06	6.97E-06	4.14E-06	3.46E-06	4.68E-05	4.02E-05
1699	650128.8	4195888.27	4.47E-05	3.95E-05	7.41E-06	6.87E-06	4.08E-06	3.41E-06	4.62E-05	3.97E-05
1700	650108.08	4195879.22	4.41E-05	3.90E-05	7.31E-06	6.77E-06	4.02E-06	3.36E-06	4.55E-05	3.91E-05
1701	650087.35	4195870.18	4.34E-05	3.84E-05	7.20E-06	6.67E-06	3.96E-06	3.31E-06	4.48E-05	3.85E-05
1702	650066.63	4195861.13	4.27E-05	3.78E-05	7.08E-06	6.56E-06	3.90E-06	3.26E-06	4.41E-05	3.79E-05
1703	650045.91	4195852.09	4.20E-05	3.72E-05	6.96E-06	6.45E-06	3.83E-06	3.20E-06	4.34E-05	3.73E-05
1704	650020.99	4195820.82	4.12E-05	3.65E-05	6.84E-06	6.33E-06	3.76E-06	3.14E-06	4.26E-05	3.66E-05
1705	650016.79	4195798.6	4.12E-05	3.64E-05	6.82E-06	6.32E-06	3.76E-06	3.14E-06	4.25E-05	3.65E-05
1706	650008.39	4195754.17	4.08E-05	3.61E-05	6.77E-06	6.27E-06	3.73E-06	3.11E-06	4.21E-05	3.62E-05
1707	649999.99	4195709.73	4.03E-05	3.56E-05	6.68E-06	6.19E-06	3.68E-06	3.07E-06	4.16E-05	3.57E-05
1708	649991.6	4195665.29	3.97E-05	3.51E-05	6.58E-06	6.09E-06	3.62E-06	3.02E-06	4.10E-05	3.52E-05
1709	649987.4	4195643.08	3.94E-05	3.48E-05	6.53E-06	6.04E-06	3.59E-06	3.00E-06	4.06E-05	3.49E-05
1710	649979	4195598.64	3.88E-05	3.43E-05	6.43E-06	5.96E-06	3.54E-06	2.96E-06	4.00E-05	3.44E-05
1711	649970.6	4195554.2	3.83E-05	3.39E-05	6.35E-06	5.88E-06	3.50E-06	2.92E-06	3.96E-05	3.40E-05
1712	649962.2	4195509.77	3.80E-05	3.36E-05	6.30E-06	5.84E-06	3.47E-06	2.90E-06	3.92E-05	3.37E-05
1713	649958.01	4195487.55	3.79E-05	3.35E-05	6.29E-06	5.82E-06	3.46E-06	2.89E-06	3.91E-05	3.36E-05
1714	649949.61	4195443.11	3.79E-05	3.35E-05	6.28E-06	5.81E-06	3.45E-06	2.88E-06	3.91E-05	3.36E-05
1715	649941.21	4195398.68	3.80E-05	3.36E-05	6.29E-06	5.83E-06	3.46E-06	2.89E-06	3.92E-05	3.37E-05
1716	649932.81	4195354.24	3.82E-05	3.38E-05	6.34E-06	5.87E-06	3.49E-06	2.91E-06	3.95E-05	3.39E-05
1717	649924.42	4195309.8	3.86E-05	3.42E-05	6.40E-06	5.93E-06	3.52E-06	2.94E-06	3.99E-05	3.43E-05
1718	649920.22	4195287.58	3.88E-05	3.44E-05	6.44E-06	5.96E-06	3.54E-06	2.96E-06	4.01E-05	3.45E-05
1719	649911.82	4195243.15	3.92E-05	3.47E-05	6.50E-06	6.02E-06	3.58E-06	2.99E-06	4.05E-05	3.48E-05
1720	649903.42	4195198.71	3.94E-05	3.49E-05	6.53E-06	6.05E-06	3.60E-06	3.00E-06	4.07E-05	3.50E-05
1721	649895.03	4195154.28	3.92E-05	3.47E-05	6.50E-06	6.02E-06	3.58E-06	2.99E-06	4.05E-05	3.48E-05
1722	649890.83	4195132.06	3.90E-05	3.45E-05	6.46E-06	5.98E-06	3.56E-06	2.97E-06	4.02E-05	3.46E-05
1723	649882.43	4195087.62	3.81E-05	3.37E-05	6.31E-06	5.85E-06	3.48E-06	2.90E-06	3.93E-05	3.38E-05
1724	649874.03	4195043.18	3.68E-05	3.26E-05	6.11E-06	5.65E-06	3.36E-06	2.81E-06	3.80E-05	3.27E-05
1725	649865.64	4194998.75	3.54E-05	3.13E-05	5.87E-06	5.44E-06	3.23E-06	2.70E-06	3.66E-05	3.14E-05
1726	649857.24	4194954.31	3.41E-05	3.01E-05	5.65E-06	5.23E-06	3.11E-06	2.60E-06	3.52E-05	3.02E-05
1727	649853.04	4194932.09	3.35E-05	2.96E-05	5.56E-06	5.15E-06	3.06E-06	2.55E-06	3.46E-05	2.97E-05
1728	649844.64	4194887.66	3.26E-05	2.89E-05	5.41E-06	5.01E-06	2.98E-06	2.49E-06	3.37E-05	2.89E-05
1729	649836.25	4194843.22	3.20E-05	2.83E-05	5.31E-06	4.92E-06	2.92E-06	2.44E-06	3.31E-05	2.84E-05
1730	649827.85	4194798.78	3.16E-05	2.80E-05	5.24E-06	4.85E-06	2.88E-06	2.41E-06	3.26E-05	2.80E-05
1731	649823.65	4194776.57	3.14E-05	2.78E-05	5.20E-06	4.82E-06	2.86E-06	2.39E-06	3.24E-05	2.78E-05
1732	649815.25	4194732.13	3.09E-05	2.73E-05	5.12E-06	4.74E-06	2.82E-06	2.35E-06	3.19E-05	2.74E-05
1733	649806.86	4194687.69	3.02E-05	2.67E-05	5.00E-06	4.63E-06	2.75E-06	2.30E-06	3.11E-05	2.68E-05
1734	649798.46	4194643.26	2.91E-05	2.58E-05	4.83E-06	4.47E-06	2.66E-06	2.22E-06	3.01E-05	2.58E-05
1735	649794.26	4194621.04	2.85E-05	2.52E-05	4.72E-06	4.38E-06	2.60E-06	2.17E-06	2.94E-05	2.53E-05
1736	649785.86	4194576.6	2.71E-05	2.40E-05	4.49E-06	4.16E-06	2.47E-06	2.07E-06	2.80E-05	2.40E-05

1737	649777.47	4194532.16	2.56E-05	2.26E-05	4.25E-06	3.93E-06	2.34E-06	1.95E-06	2.64E-05	2.27E-05
1738	651310.04	4196403.85	1.81E-05	1.60E-05	3.00E-06	2.78E-06	1.65E-06	1.38E-06	1.87E-05	1.61E-05
1739	651332.85	4196402.14	1.75E-05	1.55E-05	2.90E-06	2.68E-06	1.59E-06	1.33E-06	1.80E-05	1.55E-05
1740	651355.67	4196400.43	1.69E-05	1.49E-05	2.80E-06	2.59E-06	1.54E-06	1.29E-06	1.74E-05	1.50E-05
1741	651378.49	4196398.73	1.64E-05	1.45E-05	2.72E-06	2.52E-06	1.50E-06	1.25E-06	1.69E-05	1.45E-05
1742	651401.3	4196397.02	1.60E-05	1.42E-05	2.65E-06	2.46E-06	1.46E-06	1.22E-06	1.65E-05	1.42E-05
1743	651424.12	4196395.31	1.58E-05	1.39E-05	2.61E-06	2.42E-06	1.44E-06	1.20E-06	1.63E-05	1.40E-05
1744	651446.94	4196393.6	1.57E-05	1.39E-05	2.60E-06	2.41E-06	1.43E-06	1.20E-06	1.62E-05	1.39E-05
1745	651469.75	4196391.9	1.58E-05	1.39E-05	2.61E-06	2.42E-06	1.44E-06	1.20E-06	1.63E-05	1.40E-05
1746	651492.57	4196390.19	1.60E-05	1.42E-05	2.65E-06	2.46E-06	1.46E-06	1.22E-06	1.65E-05	1.42E-05
1747	651515.38	4196388.48	1.64E-05	1.45E-05	2.72E-06	2.52E-06	1.50E-06	1.25E-06	1.69E-05	1.45E-05
1748	651538.2	4196386.78	1.69E-05	1.49E-05	2.80E-06	2.59E-06	1.54E-06	1.29E-06	1.74E-05	1.50E-05

			T2			T3L3			T4			T2Revised		
			362	651591.64										
					1.71E-07			2.89E-08			1.52E-08			1.74E-07
	UTM X	UTM Y	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total
1	651522.7	4194836	5.13E-08	4.53E-08	9.66E-08	8.50E-09	7.87E-09	1.64E-08	4.68E-09	3.91E-09	8.59E-09	5.29E-08	4.55E-08	9.84E-08
2	651528.8	4194869	2.91E-08	2.58E-08	5.49E-08	4.83E-09	4.47E-09	9.30E-09	2.66E-09	2.22E-09	4.88E-09	3.01E-08	2.58E-08	5.59E-08
3	651582.8	4194800	3.88E-08	3.43E-08	7.31E-08	6.43E-09	5.95E-09	1.24E-08	3.54E-09	2.95E-09	6.49E-09	4.00E-08	3.44E-08	7.44E-08
4	651575.5	4194850	2.54E-08	2.25E-08	4.79E-08	4.22E-09	3.91E-09	8.12E-09	2.32E-09	1.94E-09	4.26E-09	2.63E-08	2.26E-08	4.88E-08
5	651602.4	4194816	2.84E-08	2.51E-08	5.35E-08	4.71E-09	4.36E-09	9.07E-09	2.59E-09	2.16E-09	4.76E-09	2.93E-08	2.52E-08	5.45E-08
6	651595.1	4194865	1.91E-08	1.69E-08	3.60E-08	3.17E-09	2.94E-09	6.11E-09	1.74E-09	1.46E-09	3.20E-09	1.97E-08	1.70E-08	3.67E-08
7	651622.1	4194831	2.17E-08	1.92E-08	4.09E-08	3.59E-09	3.33E-09	6.92E-09	1.98E-09	1.65E-09	3.63E-09	2.24E-08	1.92E-08	4.16E-08
8	651607.4	4194931	1.01E-08	8.91E-09	1.90E-08	1.67E-09	1.55E-09	3.22E-09	9.19E-10	7.67E-10	1.69E-09	1.04E-08	8.93E-09	1.93E-08
9	651634.4	4194896	1.21E-08	1.07E-08	2.27E-08	2.00E-09	1.85E-09	3.85E-09	1.10E-09	9.19E-10	2.02E-09	1.25E-08	1.07E-08	2.32E-08
10	651661.4	4194862	1.38E-08	1.22E-08	2.61E-08	2.29E-09	2.12E-09	4.42E-09	1.26E-09	1.05E-09	2.32E-09	1.43E-08	1.23E-08	2.66E-08
11	651588.4	4195022	5.05E-09	4.47E-09	9.52E-09	8.37E-10	7.75E-10	1.61E-09	4.61E-10	3.85E-10	8.46E-10	5.21E-09	4.48E-09	9.69E-09
12	651619.7	4194996	5.90E-09	5.22E-09	1.11E-08	9.78E-10	9.06E-10	1.88E-09	5.39E-10	4.50E-10	9.88E-10	6.09E-09	5.24E-09	1.13E-08
13	651646.7	4194962	7.16E-09	6.33E-09	1.35E-08	1.19E-09	1.10E-09	2.29E-09	6.53E-10	5.46E-10	1.20E-09	7.39E-09	6.35E-09	1.37E-08
14	651673.7	4194927	8.42E-09	7.44E-09	1.59E-08	1.39E-09	1.29E-09	2.69E-09	7.68E-10	6.41E-10	1.41E-09	8.69E-09	7.46E-09	1.62E-08
15	651700.6	4194893	9.61E-09	8.50E-09	1.81E-08	1.59E-09	1.48E-09	3.07E-09	8.77E-10	7.33E-10	1.61E-09	9.92E-09	8.53E-09	1.85E-08
16	651627.7	4195053	3.93E-09	3.47E-09	7.40E-09	6.51E-10	6.03E-10	1.25E-09	3.58E-10	2.99E-10	6.58E-10	4.05E-09	3.48E-09	7.54E-09
17	651592.2	4195072	3.59E-09	3.17E-09	6.77E-09	5.95E-10	5.51E-10	1.15E-09	3.28E-10	2.74E-10	6.01E-10	3.71E-09	3.18E-09	6.89E-09
18	651659	4195027	4.54E-09	4.01E-09	8.55E-09	7.52E-10	6.97E-10	1.45E-09	4.14E-10	3.46E-10	7.60E-10	4.69E-09	4.03E-09	8.71E-09
19	651686	4194993	5.42E-09	4.79E-09	1.02E-08	8.98E-10	8.32E-10	1.73E-09	4.95E-10	4.13E-10	9.07E-10	5.59E-09	4.81E-09	1.04E-08
20	651712.9	4194958	6.28E-09	5.55E-09	1.18E-08	1.04E-09	9.64E-10	2.00E-09	5.73E-10	4.78E-10	1.05E-09	6.48E-09	5.57E-09	1.21E-08
21	651739.9	4194924	7.10E-09	6.28E-09	1.34E-08	1.18E-09	1.09E-09	2.27E-09	6.48E-10	5.41E-10	1.19E-09	7.33E-09	6.30E-09	1.36E-08
22	651667	4195084	3.16E-09	2.79E-09	5.95E-09	5.24E-10	4.85E-10	1.01E-09	2.88E-10	2.41E-10	5.29E-10	3.26E-09	2.80E-09	6.06E-09
23	651631.5	4195103	2.89E-09	2.56E-09	5.45E-09	4.79E-10	4.44E-10	9.23E-10	2.64E-10	2.20E-10	4.84E-10	2.98E-09	2.57E-09	5.55E-09
24	651595.9	4195122	2.71E-09	2.39E-09	5.10E-09	4.49E-10	4.15E-10	8.64E-10	2.47E-10	2.06E-10	4.53E-10	2.79E-09	2.40E-09	5.19E-09
25	651698.3	4195058	3.63E-09	3.21E-09	6.84E-09	6.02E-10	5.57E-10	1.16E-09	3.31E-10	2.76E-10	6.08E-10	3.75E-09	3.22E-09	6.96E-09
26	651725.2	4195023	4.29E-09	3.79E-09	8.08E-09	7.11E-10	6.58E-10	1.37E-09	3.91E-10	3.27E-10	7.18E-10	4.43E-09	3.80E-09	8.23E-09
27	651752.2	4194989	4.91E-09	4.34E-09	9.26E-09	8.14E-10	7.54E-10	1.57E-09	4.48E-10	3.74E-10	8.22E-10	5.07E-09	4.36E-09	9.43E-09
28	651779.2	4194955	5.49E-09	4.85E-09	1.03E-08	9.10E-10	8.42E-10	1.75E-09	5.01E-10	4.18E-10	9.19E-10	5.66E-09	4.87E-09	1.05E-08
29	651744.4	4195147	2.20E-09	1.95E-09	4.15E-09	3.65E-10	3.38E-10	7.03E-10	2.01E-10	1.68E-10	3.69E-10	2.27E-09	1.95E-09	4.23E-09
30	651706.5	4195167	2.00E-09	1.77E-09	3.77E-09	3.31E-10	3.07E-10	6.38E-10	1.82E-10	1.52E-10	3.35E-10	2.06E-09	1.77E-09	3.84E-09
31	651668.5	4195187	1.86E-09	1.64E-09	3.50E-09	3.08E-10	2.85E-10	5.93E-10	1.69E-10	1.42E-10	3.11E-10	1.92E-09	1.65E-09	3.56E-09
32	651630.6	4195207	1.79E-09	1.58E-09	3.37E-09	2.97E-10	2.75E-10	5.71E-10	1.63E-10	1.36E-10	3.00E-10	1.85E-09	1.59E-09	3.43E-09
33	651592.7	4195228	1.77E-09	1.56E-09	3.33E-09	2.93E-10	2.71E-10	5.64E-10	1.61E-10	1.35E-10	2.96E-10	1.82E-09	1.57E-09	3.39E-09
34	651776.8	4195120	2.52E-09	2.23E-09	4.75E-09	4.18E-10	3.87E-10	8.05E-10	2.30E-10	1.92E-10	4.22E-10	2.60E-09	2.24E-09	4.84E-09
35	651803.8	4195085	2.93E-09	2.59E-09	5.53E-09	4.86E-10	4.50E-10	9.37E-10	2.68E-10	2.24E-10	4.91E-10	3.03E-09	2.60E-09	5.63E-09
36	651830.8	4195051	3.31E-09	2.92E-09	6.23E-09	5.48E-10	5.07E-10	1.06E-09	3.02E-10	2.52E-10	5.53E-10	3.41E-09	2.93E-09	6.34E-09
37	651857.8	4195017	3.62E-09	3.20E-09	6.82E-09	5.99E-10	5.55E-10	1.15E-09	3.30E-10	2.76E-10	6.06E-10	3.73E-09	3.21E-09	6.94E-09
38	651823.2	4195209	1.67E-09	1.47E-09	3.14E-09	2.76E-10	2.56E-10	5.32E-10	1.52E-10	1.27E-10	2.79E-10	1.72E-09	1.48E-09	3.20E-09
39	651785.8	4195228	1.51E-09	1.33E-09	2.84E-09	2.50E-10	2.32E-10	4.82E-10	1.38E-10	1.15E-10	2.53E-10	1.56E-09	1.34E-09	2.90E-09
40	651748.4	4195248	1.39E-09	1.23E-09	2.61E-09	2.30E-10	2.13E-10	4.42E-10	1.26E-10	1.06E-10	2.32E-10	1.43E-09	1.23E-09	2.66E-09
41	651710.9	4195268	1.31E-09	1.16E-09	2.47E-09	2.17E-10	2.01E-10	4.19E-10	1.20E-10	9.99E-11	2.20E-10	1.35E-09	1.16E-09	2.52E-09
42	651673.5	4195288	1.29E-09	1.14E-09	2.43E-09	2.14E-10	1.98E-10	4.12E-10	1.18E-10	9.82E-11	2.16E-10	1.33E-09	1.14E-09	2.47E-09
43	651636.1	4195308	1.30E-09	1.15E-09	2.45E-09	2.16E-10	2.00E-10	4.15E-10	1.19E-10	9.91E-11	2.18E-10	1.34E-09	1.15E-09	2.50E-09
44	651598.7	4195328	1.32E-09	1.16E-09	2.48E-09	2.18E-10	2.02E-10	4.20E-10	1.20E-10	1.00E-10	2.20E-10	1.36E-09	1.17E-09	2.52E-09
45	651855.4	4195181	1.89E-09	1.67E-09	3.56E-09	3.13E-10	2.90E-10	6.04E-10	1.72E-10	1.44E-10	3.17E-10	1.95E-09	1.68E-09	3.63E-09
46	651882.4	4195147	2.17E-09	1.92E-09	4.09E-09	3.60E-10	3.33E-10	6.93E-10	1.98E-10	1.65E-10	3.63E-10	2.24E-09	1.92E-09	4.16E-09
47	651909.3	4195113	2.41E-09	2.13E-09	4.55E-09	4.00E-10	3.70E-10	7.70E-10	2.20E-10	1.84E-10	4.04E-10	2.49E-09	2.14E-09	4.63E-09
48	651936.3	4195079	2.60E-09	2.30E-09	4.91E-09	4.32E-10	4.00E-10	8.32E-10	2.38E-10	1.98E-10	4.36E-10	2.69E-09	2.31E-09	5.00E-09
49	651901.9	4195270	1.33E-09	1.17E-09	2.50E-09	2.20E-10	2.04E-10	4.24E-10	1.21E-10	1.01E-10	2.22E-10	1.37E-09	1.18E-09	2.55E-09
50	651864.8	4195290	1.21E-09	1.07E-09	2.27E-09	2.00E-10	1.85E-10	3.85E-10	1.10E-10	9.19E-11	2.02E-10	1.24E-09	1.07E-09	2.31E-09
51	651827.7	4195310	1.10E-09	9.73E-10	2.07E-09	1.82E-10	1.69E-10	3.51E-10	1.00E-10	8.38E-11	1.84E-10	1.14E-09	9.76E-10	2.11E-09
52	651790.6	4195330	1.02E-09	9.04E-10	1.93E-09	1.69E-10	1.57E-10	3.26E-10	9.33E-11	7.79E-11	1.71E-10	1.06E-09	9.07E-10	1.96E-09
53	651753.5	4195349	9.81E-10	8.68E-10	1.85E-09	1.63E-10	1.51E-10	3.13E-10	8.95E-11	7.47E-11	1.64E-10	1.01E-09	8.70E-10	1.88E-09
54	651716.4	4195369	9.78E-10	8.65E-10	1.84E-09	1.62E-10	1.50E-10	3.12E-10	8.92E-11	7.45E-11	1.64E-10	1.01E-09	8.67E-10	1.88E-09
55	651679.3	4195389	1.00E-09	8.84E-10	1.88E-09	1.66E-10	1.53E-10	3.19E-10	9.12E-11	7.62E-11	1.67E-10	1.03E-09	8.87E-10	1.92E-09
56	651642.2	4195409	1.03E-09	9.08E-10	1.94E-09	1.70E-10	1.58E-10	3.28E-10	9.37E-11	7.83E-11	1.72E-10	1.06E-09	9.11E-10	1.97E-09
57	651605.2	4195428	1.04E-09	9.17E-10	1.95E-09	1.72E-10	1.59E-10	3.31E-10	9.46E-11	7.90E-11	1.74E-10	1.07E-09	9.20E-10	1.99E-09
58	651568.1	4195448	1.01E-09	8.97E-10	1.91E-09	1.68E-10	1.56E-10	3.24E-10	9.26E-11	7.73E-11	1.70E-10	1.05E-09	9.00E-10	1.95E-09
59	651531	4195468	9.61E-10	8.50E-10	1.81E-09	1.59E-10	1.48E-10	3.07E-10	8.77E-11	7.32E-11	1.61E-10	9.92E-10	8.52E-10	1.84E-09
60	651934	4195243	1.49E-09	1.32E-09	2.81E-09	2.47E-10	2.29E-10	4.76E-10	1.36E-10	1.14E-10	2.50E-10	1.54E-09	1.32E-09	2.86E-09
61	651960.9	4195209	1.69E-09	1.49E-09	3.18E-09	2.80E-10	2.59E-10	5.39E-10	1.54E-10	1.29E-10	2.83E-10	1.74E-09	1.50E-09	3.24E-09
62	651987.9	4195175	1.86E-09	1.64E-09	3.50E-09	3.08E-10	2.85E-10	5.93E-10	1.70E-10	1.42E-10	3.11E-10	1.92E-09	1.65E-09	3.57E-09
63	652014.9	4195141	1.99E-09	1.76E-09	3.75E-09	3.30E-10	3.05E-10	6.35E-10	1.82E-10	1.52E-10	3.33E-10	2.05E-09	1.76E-09	3.82E-09
64	651979.9	4195333	1.10E-09	9.68E-10	2.06E-09	1.82E-10	1.68E-10	3.50E-10	9.99E-11	8.34E-11	1.83E-10	1.13E-09	9.71E-10	2.10E-09
65	651941.6	4195353	9.97E-10	8.82E-10	1.88E-09	1.65E-10	1.53E-10	3.18E-10	9.10E-11	7.60E-11	1.67E-10	1.03E-09	8.85E-10	1.91E-09
66	651903.3	4195373	9.07E-10	8.02E-10	1.71E-09	1.50E-10	1.39E-10	2.90E-10	8.28E-11	6.91E-11	1.52E-10	9.36E-10	8.05E-10	1.74E-09
67	651865	4195394	8.33E-10	7.36E-10	1.57E-09	1.38E-10	1.28E-10	2.66E-10	7.60E-11	6.35E-11	1.39E-10	8.60E-10	7.39E-10	1.60E-09
68	651826.7	4195414	7.83E-10	6.93E-10	1.48E-09	1.30E-10	1.20E-10	2.50E-10	7.15E-11	5.97E-11	1.31E-10	8.09E-10	6.95E-10	1.50E-09
69	651788.5	4195434	7.65E-10	6.77E-10	1.44E-09	1.27E-10	1.17E-10	2.44E-10	6.98E-11	5.83E-11	1.28E-10	7.90E-10	6.79E-10	1.47E-09
70	651750.2	4195455	7.77E-10	6.87E-10	1.46E-09	1.29E-10	1.19E-10	2.48E-10	7.09E-11	5.92E-11	1.30E-10	8.02E-10	6.89E-10	1.49E-09
71	651711.9	4195475	8.07E-10	7.14E-10	1.52E-09	1.34E-10	1.24E-10	2.58E-10	7.37E-11	6.15E-11	1.35E-10	8.33E-10	7.16E-10	1.55E-09
72	651673.6	4195496	8.36E-10	7.40E-10	1.58E-09	1.39E-10	1.28E-10	2.67E-10	7.63E-11	6.37E-11	1.40E-10	8.63E-10	7.42E-10	1.61E-09
73	651635.3	4195516	8.49E-10	7.51E-10	1.60E-09	1.41E-10	1.30E-10	2.71E-10	7.74E-11	6.47E-11	1.42E-10	8.76E-10	7.53E-10	1.63E-09

74	651597	4195536	8.35E-10	7.39E-10	1.57E-09	1.38E-10	1.28E-10	2.67E-10	7.62E-11	6.36E-11	1.40E-10	8.62E-10	7.41E-10	1.60E-09
75	651558.8	4195557	7.95E-10	7.03E-10	1.50E-09	1.32E-10	1.22E-10	2.54E-10	7.25E-11	6.05E-11	1.33E-10	8.20E-10	7.05E-10	1.53E-09
76	652012.5	4195305	1.22E-09	1.08E-09	2.29E-09	2.02E-10	1.87E-10	3.89E-10	1.11E-10	9.28E-11	2.04E-10	1.26E-09	1.08E-09	2.34E-09
77	652039.5	4195271	1.36E-09	1.20E-09	2.56E-09	2.25E-10	2.09E-10	4.34E-10	1.24E-10	1.04E-10	2.28E-10	1.40E-09	1.21E-09	2.61E-09
78	652066.5	4195237	1.49E-09	1.31E-09	2.80E-09	2.46E-10	2.28E-10	4.74E-10	1.36E-10	1.13E-10	2.49E-10	1.53E-09	1.32E-09	2.85E-09
79	652093.4	4195202	1.59E-09	1.40E-09	2.99E-09	2.63E-10	2.43E-10	5.06E-10	1.45E-10	1.21E-10	2.65E-10	1.64E-09	1.41E-09	3.04E-09
80	652137.3	4195456	8.00E-10	7.07E-10	1.51E-09	1.33E-10	1.23E-10	2.55E-10	7.30E-11	6.09E-11	1.34E-10	8.26E-10	7.09E-10	1.54E-09
81	652099.7	4195476	7.43E-10	6.57E-10	1.40E-09	1.23E-10	1.14E-10	2.37E-10	6.78E-11	5.66E-11	1.24E-10	7.67E-10	6.59E-10	1.43E-09
82	652062	4195496	6.86E-10	6.06E-10	1.29E-09	1.14E-10	1.05E-10	2.19E-10	6.25E-11	5.22E-11	1.15E-10	7.08E-10	6.08E-10	1.32E-09
83	652024.4	4195516	6.29E-10	5.56E-10	1.19E-09	1.04E-10	9.66E-11	2.01E-10	5.74E-11	4.79E-11	1.05E-10	6.49E-10	5.58E-10	1.21E-09
84	651986.8	4195536	5.79E-10	5.12E-10	1.09E-09	9.59E-11	8.88E-11	1.85E-10	5.28E-11	4.41E-11	9.69E-11	5.97E-10	5.13E-10	1.11E-09
85	651949.1	4195556	5.39E-10	4.77E-10	1.02E-09	8.94E-11	8.28E-11	1.72E-10	4.92E-11	4.11E-11	9.03E-11	5.57E-10	4.78E-10	1.04E-09
86	651911.5	4195576	5.17E-10	4.58E-10	9.75E-10	8.58E-11	7.94E-11	1.65E-10	4.72E-11	3.94E-11	8.66E-11	5.34E-10	4.59E-10	9.93E-10
87	651873.8	4195596	5.15E-10	4.55E-10	9.70E-10	8.53E-11	7.90E-11	1.64E-10	4.70E-11	3.92E-11	8.62E-11	5.31E-10	4.57E-10	9.88E-10
88	651836.2	4195616	5.30E-10	4.68E-10	9.98E-10	8.78E-11	8.13E-11	1.69E-10	4.83E-11	4.04E-11	8.87E-11	5.47E-10	4.70E-10	1.02E-09
89	651798.6	4195636	5.55E-10	4.91E-10	1.05E-09	9.20E-11	8.52E-11	1.77E-10	5.07E-11	4.23E-11	9.30E-11	5.73E-10	4.92E-10	1.07E-09
90	651685.6	4195697	6.13E-10	5.42E-10	1.16E-09	1.02E-10	9.41E-11	1.96E-10	5.59E-11	4.67E-11	1.03E-10	6.33E-10	5.44E-10	1.18E-09
91	651648	4195717	6.07E-10	5.37E-10	1.14E-09	1.01E-10	9.32E-11	1.94E-10	5.54E-11	4.62E-11	1.02E-10	6.26E-10	5.38E-10	1.16E-09
92	651572.7	4195757	5.48E-10	4.85E-10	1.03E-09	9.09E-11	8.42E-11	1.75E-10	5.00E-11	4.18E-11	9.18E-11	5.66E-10	4.86E-10	1.05E-09
93	651535.1	4195777	5.05E-10	4.47E-10	9.52E-10	8.37E-11	7.75E-11	1.61E-10	4.61E-11	3.85E-11	8.45E-11	5.21E-10	4.48E-10	9.69E-10
94	652169.6	4195429	8.69E-10	7.68E-10	1.64E-09	1.44E-10	1.33E-10	2.77E-10	7.93E-11	6.62E-11	1.45E-10	8.97E-10	7.71E-10	1.67E-09
95	652196.6	4195395	9.52E-10	8.42E-10	1.79E-09	1.58E-10	1.46E-10	3.04E-10	8.68E-11	7.25E-11	1.59E-10	9.82E-10	8.44E-10	1.83E-09
96	652223.6	4195360	1.03E-09	9.10E-10	1.94E-09	1.71E-10	1.58E-10	3.29E-10	9.39E-11	7.84E-11	1.72E-10	1.06E-09	9.13E-10	1.98E-09
97	652250.6	4195326	1.09E-09	9.68E-10	2.06E-09	1.81E-10	1.68E-10	3.50E-10	9.99E-11	8.34E-11	1.83E-10	1.13E-09	9.71E-10	2.10E-09
98	652294.2	4195580	6.18E-10	5.46E-10	1.16E-09	1.02E-10	9.49E-11	1.97E-10	5.64E-11	4.71E-11	1.03E-10	6.38E-10	5.48E-10	1.19E-09
99	652256	4195600	5.84E-10	5.16E-10	1.10E-09	9.67E-11	8.96E-11	1.86E-10	5.32E-11	4.45E-11	9.77E-11	6.02E-10	5.18E-10	1.12E-09
100	652217.9	4195621	5.48E-10	4.85E-10	1.03E-09	9.08E-11	8.41E-11	1.75E-10	5.00E-11	4.17E-11	9.17E-11	5.66E-10	4.86E-10	1.05E-09
101	652179.7	4195641	5.10E-10	4.51E-10	9.61E-10	8.46E-11	7.83E-11	1.63E-10	4.65E-11	3.89E-11	8.54E-11	5.27E-10	4.52E-10	9.79E-10
102	652141.6	4195661	4.71E-10	4.17E-10	8.88E-10	7.81E-11	7.23E-11	1.50E-10	4.30E-11	3.59E-11	7.89E-11	4.86E-10	4.18E-10	9.04E-10
103	652103.4	4195682	4.34E-10	3.84E-10	8.17E-10	7.19E-11	6.66E-11	1.38E-10	3.96E-11	3.30E-11	7.26E-11	4.48E-10	3.85E-10	8.32E-10
104	652065.3	4195702	4.02E-10	3.56E-10	7.58E-10	6.67E-11	6.18E-11	1.28E-10	3.67E-11	3.07E-11	6.74E-11	4.15E-10	3.57E-10	7.72E-10
105	652027.1	4195722	3.82E-10	3.38E-10	7.20E-10	6.33E-11	5.86E-11	1.22E-10	3.49E-11	2.91E-11	6.40E-11	3.94E-10	3.39E-10	7.33E-10
106	651989	4195742	3.74E-10	3.31E-10	7.05E-10	6.20E-11	5.74E-11	1.19E-10	3.41E-11	2.85E-11	6.26E-11	3.86E-10	3.32E-10	7.18E-10
107	651874.5	4195803	4.17E-10	3.69E-10	7.85E-10	6.91E-11	6.40E-11	1.33E-10	3.80E-11	3.18E-11	6.98E-11	4.30E-10	3.70E-10	8.00E-10
108	651836.4	4195824	4.38E-10	3.87E-10	8.24E-10	7.25E-11	6.72E-11	1.40E-10	3.99E-11	3.33E-11	7.32E-11	4.52E-10	3.88E-10	8.40E-10
109	651798.2	4195844	4.55E-10	4.03E-10	8.58E-10	7.55E-11	6.99E-11	1.45E-10	4.15E-11	3.47E-11	7.62E-11	4.70E-10	4.04E-10	8.74E-10
110	651760.1	4195864	4.68E-10	4.14E-10	8.81E-10	7.75E-11	7.18E-11	1.49E-10	4.27E-11	3.56E-11	7.83E-11	4.83E-10	4.15E-10	8.97E-10
111	651721.9	4195885	4.72E-10	4.17E-10	8.89E-10	7.82E-11	7.24E-11	1.51E-10	4.30E-11	3.59E-11	7.90E-11	4.87E-10	4.18E-10	9.05E-10
112	651683.8	4195905	4.64E-10	4.11E-10	8.75E-10	7.70E-11	7.13E-11	1.48E-10	4.24E-11	3.54E-11	7.78E-11	4.79E-10	4.12E-10	8.91E-10
113	651645.6	4195925	4.48E-10	3.96E-10	8.43E-10	7.42E-11	6.87E-11	1.43E-10	4.08E-11	3.41E-11	7.49E-11	4.62E-10	3.97E-10	8.59E-10
114	651569.3	4195966	3.90E-10	3.45E-10	7.34E-10	6.46E-11	5.98E-11	1.24E-10	3.55E-11	2.97E-11	6.52E-11	4.02E-10	3.46E-10	7.48E-10
115	652326.8	4195553	6.61E-10	5.85E-10	1.25E-09	1.10E-10	1.01E-10	2.11E-10	6.03E-11	5.04E-11	1.11E-10	6.82E-10	5.86E-10	1.27E-09
116	652353.7	4195518	7.15E-10	6.32E-10	1.35E-09	1.18E-10	1.10E-10	2.28E-10	6.52E-11	5.45E-11	1.20E-10	7.38E-10	6.34E-10	1.37E-09
117	652380.7	4195484	7.67E-10	6.79E-10	1.45E-09	1.27E-10	1.18E-10	2.45E-10	7.00E-11	5.85E-11	1.28E-10	7.92E-10	6.81E-10	1.47E-09
118	652407.7	4195450	8.14E-10	7.20E-10	1.53E-09	1.35E-10	1.25E-10	2.60E-10	7.43E-11	6.20E-11	1.36E-10	8.40E-10	7.22E-10	1.56E-09
119	652451.5	4195704	4.97E-10	4.40E-10	9.37E-10	8.24E-11	7.63E-11	1.59E-10	4.54E-11	3.79E-11	8.32E-11	5.13E-10	4.41E-10	9.54E-10
120	652413.8	4195724	4.75E-10	4.20E-10	8.95E-10	7.87E-11	7.29E-11	1.52E-10	4.33E-11	3.62E-11	7.95E-11	4.90E-10	4.21E-10	9.12E-10
121	652376.1	4195744	4.53E-10	4.01E-10	8.54E-10	7.51E-11	6.95E-11	1.45E-10	4.13E-11	3.45E-11	7.59E-11	4.68E-10	4.02E-10	8.69E-10
122	652338.4	4195764	4.30E-10	3.80E-10	8.10E-10	7.13E-11	6.60E-11	1.37E-10	3.92E-11	3.28E-11	7.20E-11	4.44E-10	3.81E-10	8.25E-10
123	652300.6	4195784	4.04E-10	3.58E-10	7.62E-10	6.70E-11	6.21E-11	1.29E-10	3.69E-11	3.08E-11	6.77E-11	4.17E-10	3.59E-10	7.76E-10
124	652262.9	4195804	3.77E-10	3.33E-10	7.10E-10	6.24E-11	5.78E-11	1.20E-10	3.44E-11	2.87E-11	6.31E-11	3.89E-10	3.34E-10	7.23E-10
125	652225.2	4195824	3.48E-10	3.08E-10	6.56E-10	5.77E-11	5.35E-11	1.11E-10	3.18E-11	2.65E-11	5.83E-11	3.60E-10	3.09E-10	6.69E-10
126	652187.4	4195844	3.23E-10	2.85E-10	6.08E-10	5.35E-11	4.95E-11	1.03E-10	2.94E-11	2.46E-11	5.40E-11	3.33E-10	2.86E-10	6.19E-10
127	652074.3	4195904	2.90E-10	2.57E-10	5.47E-10	4.81E-11	4.46E-11	9.27E-11	2.65E-11	2.21E-11	4.86E-11	3.00E-10	2.58E-10	5.57E-10
128	652036.5	4195925	2.97E-10	2.63E-10	5.60E-10	4.93E-11	4.57E-11	9.49E-11	2.71E-11	2.27E-11	4.98E-11	3.07E-10	2.64E-10	5.71E-10
129	651998.8	4195945	3.10E-10	2.74E-10	5.84E-10	5.14E-11	4.76E-11	9.89E-11	2.83E-11	2.36E-11	5.19E-11	3.20E-10	2.75E-10	5.95E-10
130	651961.1	4195965	3.26E-10	2.88E-10	6.13E-10	5.40E-11	5.00E-11	1.04E-10	2.97E-11	2.48E-11	5.45E-11	3.36E-10	2.89E-10	6.25E-10
131	651923.4	4195985	3.40E-10	3.01E-10	6.41E-10	5.64E-11	5.22E-11	1.09E-10	3.10E-11	2.59E-11	5.69E-11	3.51E-10	3.02E-10	6.53E-10
132	651885.6	4196005	3.55E-10	3.14E-10	6.68E-10	5.88E-11	5.44E-11	1.13E-10	3.24E-11	2.70E-11	5.94E-11	3.66E-10	3.15E-10	6.81E-10
133	651847.9	4196025	3.67E-10	3.25E-10	6.92E-10	6.08E-11	5.63E-11	1.17E-10	3.35E-11	2.80E-11	6.15E-11	3.79E-10	3.26E-10	7.04E-10
134	651810.2	4196045	3.76E-10	3.33E-10	7.09E-10	6.23E-11	5.77E-11	1.20E-10	3.43E-11	2.87E-11	6.30E-11	3.88E-10	3.34E-10	7.22E-10
135	651772.5	4196065	3.80E-10	3.36E-10	7.17E-10	6.31E-11	5.84E-11	1.21E-10	3.47E-11	2.90E-11	6.37E-11	3.93E-10	3.37E-10	7.30E-10
136	651734.7	4196085	3.78E-10	3.34E-10	7.12E-10	6.27E-11	5.80E-11	1.21E-10	3.45E-11	2.88E-11	6.33E-11	3.90E-10	3.35E-10	7.26E-10
137	651697	4196105	3.68E-10	3.25E-10	6.93E-10	6.09E-11	5.64E-11	1.17E-10	3.35E-11	2.80E-11	6.16E-11	3.79E-10	3.26E-10	7.06E-10
138	651659.3	4196125	3.50E-10	3.10E-10	6.60E-10	5.80E-11	5.37E-11	1.12E-10	3.19E-11	2.67E-11	5.86E-11	3.61E-10	3.11E-10	6.72E-10
139	651621.6	4196145	3.27E-10	2.90E-10	6.17E-10	5.43E-11	5.03E-11	1.05E-10	2.99E-11	2.49E-11	5.48E-11	3.38E-10	2.90E-10	6.28E-10
140	652483.9	4195676	5.26E-10	4.65E-10	9.92E-10	8.72E-11	8.08E-11	1.68E-10	4.80E-11	4.01E-11	8.81E-11	5.43E-10	4.67E-10	1.01E-09
141	652510.9	4195642	5.64E-10	4.99E-10	1.06E-09	9.35E-11	8.66E-11	1.80E-10	5.15E-11	4.30E-11	9.44E-11	5.82E-10	5.00E-10	1.08E-09
142	652537.8	4195608	6.02E-10	5.32E-10	1.13E-09	9.98E-11	9.24E-11	1.92E-10	5.49E-11	4.59E-11	1.01E-10	6.21E-10	5.34E-10	1.16E-09
143	652564.8	4195574	6.37E-10	5.63E-10	1.20E-09	1.06E-10	9.78E-11	2.03E-10	5.81E-11	4.85E-11	1.07E-10	6.57E-10	5.65E-10	1.22E-09
144	652608.5	4195827	4.12E-10	3.64E-10	7.76E-10	6.83E-11	6.32E-11	1.32E-10	3.76E-11	3.14E-11	6.90E-11	4.25E-10	3.65E-10	7.91E-10
145	652570.4	4195848	3.96E-10	3.50E-10	7.46E-10	6.57E-11	6.08E-11	1.26E-10	3.61E-11	3.02E-11	6.63E-11	4.09E-10	3.51E-10	7.60E-10
146	652532.3	4195868	3.81E-10	3.37E-10	7.19E-10	6.32E-11	5.85E-11	1.22E-10	3.48E-11	2.91E-11	6.38E-11	3.94E-10	3.38E-10	7.32E-10
147	652494.2	4195888	3.66E-10	3.24E-10	6.90E-10	6.07E-11	5.63E-11	1.17E-10	3.34E-11	2.79E-11	6.13E-11	3.78E-10	3.25E-10	7.03E-10
148	652456.1	4195909	3.50E-10	3.10E-10	6.60E-10	5.80E-11	5.37E-11	1.12E-10	3.19E-11	2.67E-11	5.86E-11	3.61E-10	3.11E-10	6.72E-10
149	652418	4195929	3.31E-10	2.93E-10	6.25E-10	5.49E-11	5.09E-11	1.06E-10	3.02E-11	2.53E-11	5.55E-11	3.42E-10	2.94E-10	6.36E-10
150	652303.8	4195990	2.67E-10	2.36E-10	5.03E-10	4.43E-11	4.10E-11	8.53E-11	2.44E-11	2.03E-11	4.47E-11	2.76E-10	2.37E-10	5.12E-10

151	652265.7	4196010	2.49E-10	2.20E-10	4.70E-10	4.13E-11	3.83E-11	7.96E-11	2.27E-11	1.90E-11	4.17E-11	2.57E-10	2.21E-10	4.78E-10
152	652227.6	4196030	2.38E-10	2.10E-10	4.48E-10	3.94E-11	3.65E-11	7.60E-11	2.17E-11	1.81E-11	3.98E-11	2.46E-10	2.11E-10	4.57E-10
153	652189.5	4196051	2.34E-10	2.07E-10	4.40E-10	3.87E-11	3.59E-11	7.46E-11	2.13E-11	1.78E-11	3.91E-11	2.41E-10	2.07E-10	4.49E-10
154	652151.4	4196071	2.36E-10	2.09E-10	4.45E-10	3.91E-11	3.62E-11	7.53E-11	2.15E-11	1.80E-11	3.95E-11	2.44E-10	2.09E-10	4.53E-10
155	652113.3	4196091	2.44E-10	2.16E-10	4.60E-10	4.05E-11	3.75E-11	7.80E-11	2.23E-11	1.86E-11	4.09E-11	2.52E-10	2.17E-10	4.69E-10
156	652075.2	4196111	2.55E-10	2.26E-10	4.81E-10	4.23E-11	3.92E-11	8.15E-11	2.33E-11	1.95E-11	4.28E-11	2.64E-10	2.27E-10	4.90E-10
157	652037.1	4196132	2.67E-10	2.36E-10	5.03E-10	4.43E-11	4.10E-11	8.53E-11	2.44E-11	2.04E-11	4.47E-11	2.76E-10	2.37E-10	5.13E-10
158	651999	4196152	2.79E-10	2.46E-10	5.25E-10	4.62E-11	4.28E-11	8.90E-11	2.54E-11	2.12E-11	4.67E-11	2.88E-10	2.47E-10	5.35E-10
159	651961	4196172	2.90E-10	2.56E-10	5.46E-10	4.80E-11	4.45E-11	9.25E-11	2.64E-11	2.21E-11	4.85E-11	2.99E-10	2.57E-10	5.56E-10
160	651922.9	4196192	3.00E-10	2.65E-10	5.65E-10	4.97E-11	4.60E-11	9.57E-11	2.74E-11	2.28E-11	5.02E-11	3.09E-10	2.66E-10	5.75E-10
161	651884.8	4196213	3.09E-10	2.73E-10	5.82E-10	5.12E-11	4.74E-11	9.86E-11	2.82E-11	2.35E-11	5.17E-11	3.19E-10	2.74E-10	5.92E-10
162	651846.7	4196233	3.15E-10	2.79E-10	5.93E-10	5.22E-11	4.83E-11	1.01E-10	2.87E-11	2.40E-11	5.27E-11	3.25E-10	2.79E-10	6.04E-10
163	651808.6	4196253	3.17E-10	2.81E-10	5.98E-10	5.26E-11	4.87E-11	1.01E-10	2.89E-11	2.42E-11	5.31E-11	3.27E-10	2.81E-10	6.09E-10
164	651770.5	4196274	3.14E-10	2.78E-10	5.92E-10	5.21E-11	4.83E-11	1.00E-10	2.87E-11	2.39E-11	5.26E-11	3.24E-10	2.79E-10	6.03E-10
165	651732.4	4196294	3.06E-10	2.70E-10	5.76E-10	5.07E-11	4.69E-11	9.76E-11	2.79E-11	2.33E-11	5.12E-11	3.15E-10	2.71E-10	5.86E-10
166	651694.3	4196314	2.92E-10	2.58E-10	5.49E-10	4.83E-11	4.48E-11	9.31E-11	2.66E-11	2.22E-11	4.88E-11	3.01E-10	2.59E-10	5.60E-10
167	651656.2	4196334	2.74E-10	2.42E-10	5.16E-10	4.54E-11	4.20E-11	8.74E-11	2.50E-11	2.09E-11	4.58E-11	2.83E-10	2.43E-10	5.25E-10
168	651618.2	4196355	2.54E-10	2.25E-10	4.79E-10	4.21E-11	3.90E-11	8.11E-11	2.32E-11	1.94E-11	4.25E-11	2.62E-10	2.25E-10	4.88E-10
169	652641	4195800	4.34E-10	3.83E-10	8.17E-10	7.19E-11	6.66E-11	1.38E-10	3.96E-11	3.30E-11	7.26E-11	4.48E-10	3.85E-10	8.32E-10
170	652668	4195766	4.61E-10	4.08E-10	8.70E-10	7.65E-11	7.08E-11	1.47E-10	4.21E-11	3.52E-11	7.73E-11	4.76E-10	4.09E-10	8.86E-10
171	652695	4195732	4.90E-10	4.33E-10	9.23E-10	8.12E-11	7.52E-11	1.56E-10	4.47E-11	3.73E-11	8.20E-11	5.06E-10	4.35E-10	9.40E-10
172	652721.9	4195697	5.17E-10	4.57E-10	9.74E-10	8.57E-11	7.94E-11	1.65E-10	4.72E-11	3.94E-11	8.66E-11	5.34E-10	4.59E-10	9.92E-10
173	651593.5	4194769	4.54E-08	4.01E-08	8.55E-08	7.52E-09	6.96E-09	1.45E-08	4.14E-09	3.46E-09	7.60E-09	4.68E-08	4.02E-08	8.71E-08
174	651592.9	4194727	6.11E-08	5.40E-08	1.15E-07	1.01E-08	9.38E-09	1.95E-08	5.57E-09	4.65E-09	1.02E-08	6.30E-08	5.42E-08	1.17E-07
175	651613.1	4194784	3.35E-08	2.96E-08	6.31E-08	5.55E-09	5.14E-09	1.07E-08	3.06E-09	2.55E-09	5.61E-09	3.46E-08	2.97E-08	6.43E-08
176	651618.2	4194748	4.13E-08	3.65E-08	7.78E-08	6.85E-09	6.34E-09	1.32E-08	3.77E-09	3.15E-09	6.92E-09	4.26E-08	3.66E-08	7.93E-08
177	651617.6	4194706	5.29E-08	4.68E-08	9.97E-08	8.77E-09	8.12E-09	1.69E-08	4.83E-09	4.03E-09	8.86E-09	5.46E-08	4.69E-08	1.02E-07
178	651638.1	4194784	2.74E-08	2.42E-08	5.16E-08	4.54E-09	4.21E-09	8.75E-09	2.50E-09	2.09E-09	4.59E-09	2.83E-08	2.43E-08	5.26E-08
179	651643.2	4194747	3.32E-08	2.93E-08	6.25E-08	5.50E-09	5.09E-09	1.06E-08	3.02E-09	2.53E-09	5.55E-09	3.42E-08	2.94E-08	6.36E-08
180	651642.6	4194706	4.16E-08	3.68E-08	7.83E-08	6.89E-09	6.38E-09	1.33E-08	3.79E-09	3.17E-09	6.96E-09	4.29E-08	3.69E-08	7.98E-08
181	651687.1	4194786	1.92E-08	1.70E-08	3.63E-08	3.19E-09	2.95E-09	6.14E-09	1.76E-09	1.47E-09	3.22E-09	1.99E-08	1.71E-08	3.69E-08
182	651674.2	4194824	1.66E-08	1.47E-08	3.13E-08	2.76E-09	2.55E-09	5.31E-09	1.52E-09	1.27E-09	2.78E-09	1.72E-08	1.48E-08	3.19E-08
183	651693.2	4194747	2.27E-08	2.01E-08	4.28E-08	3.76E-09	3.48E-09	7.24E-09	2.07E-09	1.73E-09	3.80E-09	2.34E-08	2.01E-08	4.35E-08
184	651692.6	4194705	2.74E-08	2.43E-08	5.17E-08	4.55E-09	4.21E-09	8.76E-09	2.50E-09	2.09E-09	4.59E-09	2.83E-08	2.43E-08	5.26E-08
185	651737.4	4194785	1.44E-08	1.28E-08	2.72E-08	2.39E-09	2.22E-09	4.61E-09	1.32E-09	1.10E-09	2.42E-09	1.49E-08	1.28E-08	2.77E-08
186	651725.1	4194821	1.30E-08	1.15E-08	2.45E-08	2.15E-09	1.99E-09	4.15E-09	1.18E-09	9.89E-10	2.17E-09	1.34E-08	1.15E-08	2.49E-08
187	651712.9	4194857	1.13E-08	1.00E-08	2.14E-08	1.88E-09	1.74E-09	3.62E-09	1.04E-09	8.65E-10	1.90E-09	1.17E-08	1.01E-08	2.18E-08
188	651743.2	4194746	1.65E-08	1.46E-08	3.10E-08	2.73E-09	2.53E-09	5.26E-09	1.50E-09	1.25E-09	2.76E-09	1.70E-08	1.46E-08	3.16E-08
189	651742.6	4194705	1.94E-08	1.71E-08	3.65E-08	3.21E-09	2.97E-09	6.18E-09	1.77E-09	1.47E-09	3.24E-09	2.00E-08	1.72E-08	3.71E-08
190	651787.5	4194783	1.12E-08	9.91E-09	2.11E-08	1.86E-09	1.72E-09	3.58E-09	1.02E-09	8.54E-10	1.88E-09	1.16E-08	9.94E-09	2.15E-08
191	651775.6	4194818	1.03E-08	9.14E-09	1.95E-08	1.71E-09	1.59E-09	3.30E-09	9.43E-10	7.88E-10	1.73E-09	1.07E-08	9.17E-09	1.98E-08
192	651763.7	4194854	9.34E-09	8.26E-09	1.76E-08	1.55E-09	1.43E-09	2.98E-09	8.52E-10	7.12E-10	1.56E-09	9.64E-09	8.29E-09	1.79E-08
193	651751.8	4194889	8.23E-09	7.28E-09	1.55E-08	1.36E-09	1.26E-09	2.63E-09	7.51E-10	6.27E-10	1.38E-09	8.50E-09	7.30E-09	1.58E-08
194	651793.2	4194745	1.25E-08	1.10E-08	2.35E-08	2.07E-09	1.92E-09	3.99E-09	1.14E-09	9.52E-10	2.09E-09	1.29E-08	1.11E-08	2.40E-08
195	651792.6	4194704	1.44E-08	1.27E-08	2.71E-08	2.38E-09	2.20E-09	4.58E-09	1.31E-09	1.09E-09	2.40E-09	1.48E-08	1.27E-08	2.76E-08
196	651837.1	4194784	8.91E-09	7.88E-09	1.68E-08	1.48E-09	1.37E-09	2.85E-09	8.13E-10	6.79E-10	1.49E-09	9.20E-09	7.91E-09	1.71E-08
197	651824.2	4194822	8.30E-09	7.34E-09	1.56E-08	1.37E-09	1.27E-09	2.65E-09	7.57E-10	6.32E-10	1.39E-09	8.56E-09	7.36E-09	1.59E-08
198	651811.3	4194860	7.58E-09	6.70E-09	1.43E-08	1.26E-09	1.16E-09	2.42E-09	6.92E-10	5.78E-10	1.27E-09	7.83E-09	6.72E-09	1.46E-08
199	651798.5	4194898	6.76E-09	5.98E-09	1.27E-08	1.12E-09	1.04E-09	2.16E-09	6.17E-10	5.15E-10	1.13E-09	6.98E-09	6.00E-09	1.30E-08
200	651843.2	4194744	9.81E-09	8.67E-09	1.85E-08	1.63E-09	1.51E-09	3.13E-09	8.95E-10	7.47E-10	1.64E-09	1.01E-08	8.70E-09	1.88E-08
201	651842.6	4194703	1.11E-08	9.79E-09	2.09E-08	1.83E-09	1.70E-09	3.53E-09	1.01E-09	8.43E-10	1.85E-09	1.14E-08	9.82E-09	2.12E-08
202	651936.9	4194783	6.07E-09	5.37E-09	1.14E-08	1.01E-09	9.31E-10	1.94E-09	5.54E-10	4.62E-10	1.02E-09	6.26E-09	5.38E-09	1.16E-08
203	651923.7	4194822	5.74E-09	5.08E-09	1.08E-08	9.52E-10	8.82E-10	1.83E-09	5.24E-10	4.38E-10	9.62E-10	5.93E-09	5.09E-09	1.10E-08
204	651910.5	4194861	5.38E-09	4.76E-09	1.01E-08	8.93E-10	8.27E-10	1.72E-09	4.91E-10	4.10E-10	9.02E-10	5.56E-09	4.78E-09	1.03E-08
205	651897.3	4194900	4.98E-09	4.40E-09	9.38E-09	8.25E-10	7.64E-10	1.59E-09	4.54E-10	3.79E-10	8.33E-10	5.14E-09	4.41E-09	9.55E-09
206	651884.1	4194939	4.53E-09	4.00E-09	8.53E-09	7.50E-10	6.95E-10	1.45E-09	4.13E-10	3.45E-10	7.58E-10	4.67E-09	4.01E-09	8.69E-09
207	651870.9	4194978	4.06E-09	3.59E-09	7.66E-09	6.74E-10	6.24E-10	1.30E-09	3.71E-10	3.10E-10	6.80E-10	4.19E-09	3.60E-09	7.80E-09
208	651943.2	4194743	6.53E-09	5.77E-09	1.23E-08	1.08E-09	1.00E-09	2.08E-09	5.96E-10	4.97E-10	1.09E-09	6.74E-09	5.79E-09	1.25E-08
209	651942.6	4194702	7.15E-09	6.32E-09	1.35E-08	1.19E-09	1.10E-09	2.28E-09	6.53E-10	5.45E-10	1.20E-09	7.38E-09	6.34E-09	1.37E-08
210	652037.2	4194781	4.43E-09	3.92E-09	8.34E-09	7.34E-10	6.80E-10	1.41E-09	4.04E-10	3.37E-10	7.41E-10	4.57E-09	3.93E-09	8.50E-09
211	652024.6	4194818	4.25E-09	3.76E-09	8.01E-09	7.05E-10	6.53E-10	1.36E-09	3.88E-10	3.24E-10	7.12E-10	4.39E-09	3.77E-09	8.16E-09
212	652011.9	4194855	4.05E-09	3.58E-09	7.63E-09	6.71E-10	6.21E-10	1.29E-09	3.69E-10	3.08E-10	6.78E-10	4.18E-09	3.59E-09	7.77E-09
213	651999.3	4194892	3.83E-09	3.38E-09	7.21E-09	6.34E-10	5.87E-10	1.22E-09	3.49E-10	2.92E-10	6.41E-10	3.95E-09	3.39E-09	7.34E-09
214	651986.7	4194930	3.59E-09	3.18E-09	6.77E-09	5.96E-10	5.52E-10	1.15E-09	3.28E-10	2.74E-10	6.02E-10	3.71E-09	3.19E-09	6.90E-09
215	651974.1	4194967	3.35E-09	2.96E-09	6.31E-09	5.55E-10	5.14E-10	1.07E-09	3.06E-10	2.55E-10	5.61E-10	3.46E-09	2.97E-09	6.43E-09
216	651961.5	4195004	3.10E-09	2.74E-09	5.84E-09	5.14E-10	4.76E-10	9.89E-10	2.83E-10	2.36E-10	5.19E-10	3.20E-09	2.75E-09	5.95E-09
217	651948.9	4195041	2.85E-09	2.52E-09	5.37E-09	4.72E-10	4.37E-10	9.10E-10	2.60E-10	2.17E-10	4.77E-10	2.94E-09	2.53E-09	5.47E-09
218	652043.2	4194741	4.67E-09	4.13E-09	8.80E-09	7.74E-10	7.17E-10	1.49E-09	4.26E-10	3.56E-10	7.82E-10	4.82E-09	4.14E-09	8.97E-09
219	652042.6	4194700	5.00E-09	4.42E-09	9.43E-09	8.29E-10	7.68E-10	1.60E-09	4.56E-10	3.81E-10	8.38E-10	5.16E-09	4.44E-09	9.60E-09
220	652137	4194780	3.38E-09	2.99E-09	6.37E-09	5.61E-10	5.19E-10	1.08E-09	3.09E-10	2.58E-10	5.66E-10	3.49E-09	3.00E-09	6.49E-09
221	652124.2	4194818	3.28E-09	2.90E-09	6.18E-09	5.44E-10	5.04E-10	1.05E-09	2.99E-10	2.50E-10	5.49E-10	3.39E-09	2.91E-09	6.30E-09
222	652111.3	4194856	3.15E-09	2.78E-09	5.93E-09	5.22E-10	4.83E-10	1.00E-09	2.87E-10	2.40E-10	5.27E-10	3.25E-09	2.79E-09	6.04E-09
223	652098.5	4194894	2.99E-09	2.65E-09	5.64E-09	4.96E-10	4.60E-10	9.56E-10	2.73E-10	2.28E-10	5.01E-10	3.09E-09	2.66E-09	5.74E-09
224	652085.6	4194932	2.84E-09	2.51E-09	5.34E-09	4.70E-10	4.35E-10	9.05E-10	2.59E-10	2.16E-10	4.75E-10	2.93E-09	2.51E-09	5.44E-09
225	652072.7	4194970	2.68E-09	2.37E-09	5.05E-09	4.44E-10	4.12E-10	8.56E-10	2.45E-10	2.04E-10	4.49E-10	2.77E-09	2.38E-09	5.14E-09
226	652059.9	4195008	2.53E-09	2.24E-09	4.77E-09	4.19E-10	3.88E-10	8.08E-10	2.31E-10	1.93E-10	4.24E-10	2.61E-09	2.24E-09	4.86E-09
227	652047	4195046	2.38E-09	2.10E-09	4.48E-09	3.94E-10	3.65E-10	7.60E-10	2.17E-10	1.81E-10	3.98E-10	2.46E-09	2.11E-09	4.57E-09

228	652034.2	4195084	2.23E-09	1.97E-09	4.20E-09	3.69E-10	3.42E-10	7.11E-10	2.03E-10	1.70E-10	3.73E-10	2.30E-09	1.98E-09	4.27E-09
229	652143.1	4194740	3.52E-09	3.11E-09	6.63E-09	5.83E-10	5.40E-10	1.12E-09	3.21E-10	2.68E-10	5.89E-10	3.63E-09	3.12E-09	6.75E-09
230	652142.5	4194699	3.70E-09	3.27E-09	6.98E-09	6.14E-10	5.68E-10	1.18E-09	3.38E-10	2.82E-10	6.20E-10	3.82E-09	3.28E-09	7.11E-09
231	652236.9	4194778	2.67E-09	2.36E-09	5.04E-09	4.43E-10	4.11E-10	8.54E-10	2.44E-10	2.04E-10	4.48E-10	2.76E-09	2.37E-09	5.13E-09
232	652223.9	4194817	2.62E-09	2.32E-09	4.93E-09	4.34E-10	4.02E-10	8.36E-10	2.39E-10	1.99E-10	4.38E-10	2.70E-09	2.32E-09	5.02E-09
233	652210.8	4194855	2.53E-09	2.24E-09	4.77E-09	4.20E-10	3.89E-10	8.09E-10	2.31E-10	1.93E-10	4.24E-10	2.62E-09	2.25E-09	4.86E-09
234	652197.8	4194894	2.42E-09	2.14E-09	4.57E-09	4.02E-10	3.72E-10	7.74E-10	2.21E-10	1.85E-10	4.06E-10	2.50E-09	2.15E-09	4.65E-09
235	652184.7	4194933	2.30E-09	2.04E-09	4.34E-09	3.82E-10	3.54E-10	7.36E-10	2.10E-10	1.76E-10	3.86E-10	2.38E-09	2.04E-09	4.42E-09
236	652171.7	4194971	2.19E-09	1.94E-09	4.13E-09	3.63E-10	3.36E-10	6.99E-10	2.00E-10	1.67E-10	3.67E-10	2.26E-09	1.94E-09	4.20E-09
237	652158.7	4195010	2.09E-09	1.84E-09	3.93E-09	3.46E-10	3.20E-10	6.66E-10	1.90E-10	1.59E-10	3.49E-10	2.15E-09	1.85E-09	4.00E-09
238	652145.6	4195048	1.99E-09	1.76E-09	3.75E-09	3.30E-10	3.05E-10	6.35E-10	1.82E-10	1.52E-10	3.33E-10	2.05E-09	1.76E-09	3.82E-09
239	652132.6	4195087	1.90E-09	1.68E-09	3.57E-09	3.14E-10	2.91E-10	6.05E-10	1.73E-10	1.44E-10	3.17E-10	1.96E-09	1.68E-09	3.64E-09
240	652119.5	4195125	1.80E-09	1.59E-09	3.39E-09	2.98E-10	2.76E-10	5.75E-10	1.64E-10	1.37E-10	3.01E-10	1.86E-09	1.60E-09	3.46E-09
241	652106.5	4195164	1.70E-09	1.50E-09	3.20E-09	2.82E-10	2.61E-10	5.43E-10	1.55E-10	1.30E-10	2.85E-10	1.75E-09	1.51E-09	3.26E-09
242	652243.1	4194738	2.75E-09	2.43E-09	5.18E-09	4.56E-10	4.22E-10	8.78E-10	2.51E-10	2.10E-10	4.61E-10	2.84E-09	2.44E-09	5.28E-09
243	652242.5	4194697	2.86E-09	2.53E-09	5.39E-09	4.74E-10	4.39E-10	9.13E-10	2.61E-10	2.18E-10	4.79E-10	2.95E-09	2.54E-09	5.49E-09
244	652437	4194775	1.81E-09	1.60E-09	3.40E-09	2.99E-10	2.77E-10	5.76E-10	1.65E-10	1.38E-10	3.02E-10	1.86E-09	1.60E-09	3.46E-09
245	652424.1	4194813	1.79E-09	1.58E-09	3.38E-09	2.97E-10	2.75E-10	5.72E-10	1.63E-10	1.37E-10	3.00E-10	1.85E-09	1.59E-09	3.44E-09
246	652411.3	4194851	1.76E-09	1.56E-09	3.32E-09	2.92E-10	2.71E-10	5.63E-10	1.61E-10	1.34E-10	2.95E-10	1.82E-09	1.56E-09	3.38E-09
247	652398.4	4194889	1.72E-09	1.52E-09	3.24E-09	2.85E-10	2.64E-10	5.48E-10	1.57E-10	1.31E-10	2.88E-10	1.77E-09	1.52E-09	3.30E-09
248	652385.6	4194927	1.66E-09	1.46E-09	3.12E-09	2.74E-10	2.54E-10	5.29E-10	1.51E-10	1.26E-10	2.77E-10	1.71E-09	1.47E-09	3.18E-09
249	652372.7	4194965	1.58E-09	1.40E-09	2.98E-09	2.63E-10	2.43E-10	5.06E-10	1.45E-10	1.21E-10	2.65E-10	1.63E-09	1.40E-09	3.04E-09
250	652359.8	4195003	1.51E-09	1.34E-09	2.85E-09	2.51E-10	2.32E-10	4.83E-10	1.38E-10	1.15E-10	2.53E-10	1.56E-09	1.34E-09	2.90E-09
251	652347	4195041	1.45E-09	1.28E-09	2.73E-09	2.40E-10	2.22E-10	4.63E-10	1.32E-10	1.10E-10	2.43E-10	1.50E-09	1.28E-09	2.78E-09
252	652334.1	4195079	1.40E-09	1.23E-09	2.63E-09	2.31E-10	2.14E-10	4.46E-10	1.27E-10	1.06E-10	2.34E-10	1.44E-09	1.24E-09	2.68E-09
253	652321.3	4195117	1.35E-09	1.20E-09	2.55E-09	2.24E-10	2.08E-10	4.32E-10	1.23E-10	1.03E-10	2.26E-10	1.40E-09	1.20E-09	2.59E-09
254	652308.4	4195155	1.31E-09	1.16E-09	2.48E-09	2.18E-10	2.02E-10	4.20E-10	1.20E-10	1.00E-10	2.20E-10	1.36E-09	1.17E-09	2.52E-09
255	652295.6	4195193	1.28E-09	1.13E-09	2.41E-09	2.12E-10	1.96E-10	4.08E-10	1.17E-10	9.74E-11	2.14E-10	1.32E-09	1.13E-09	2.45E-09
256	652282.7	4195231	1.24E-09	1.10E-09	2.34E-09	2.06E-10	1.90E-10	3.96E-10	1.13E-10	9.45E-11	2.08E-10	1.28E-09	1.10E-09	2.38E-09
257	652269.9	4195269	1.19E-09	1.05E-09	2.25E-09	1.98E-10	1.83E-10	3.80E-10	1.09E-10	9.08E-11	2.00E-10	1.23E-09	1.06E-09	2.29E-09
258	652443.1	4194736	1.83E-09	1.62E-09	3.45E-09	3.03E-10	2.81E-10	5.84E-10	1.67E-10	1.39E-10	3.06E-10	1.89E-09	1.62E-09	3.51E-09
259	652442.5	4194694	1.87E-09	1.65E-09	3.52E-09	3.10E-10	2.87E-10	5.97E-10	1.71E-10	1.42E-10	3.13E-10	1.93E-09	1.66E-09	3.59E-09
260	652636.8	4194773	1.31E-09	1.16E-09	2.47E-09	2.18E-10	2.01E-10	4.19E-10	1.20E-10	1.00E-10	2.20E-10	1.35E-09	1.16E-09	2.52E-09
261	652623.8	4194811	1.31E-09	1.16E-09	2.47E-09	2.18E-10	2.01E-10	4.19E-10	1.20E-10	1.00E-10	2.20E-10	1.35E-09	1.16E-09	2.52E-09
262	652610.7	4194850	1.30E-09	1.15E-09	2.46E-09	2.16E-10	2.00E-10	4.16E-10	1.19E-10	9.93E-11	2.18E-10	1.35E-09	1.16E-09	2.50E-09
263	652597.6	4194889	1.28E-09	1.14E-09	2.42E-09	2.13E-10	1.97E-10	4.10E-10	1.17E-10	9.78E-11	2.15E-10	1.33E-09	1.14E-09	2.46E-09
264	652584.5	4194927	1.25E-09	1.11E-09	2.36E-09	2.08E-10	1.93E-10	4.00E-10	1.14E-10	9.56E-11	2.10E-10	1.29E-09	1.11E-09	2.41E-09
265	652571.4	4194966	1.21E-09	1.07E-09	2.29E-09	2.01E-10	1.86E-10	3.88E-10	1.11E-10	9.25E-11	2.03E-10	1.25E-09	1.08E-09	2.33E-09
266	652558.3	4195005	1.17E-09	1.03E-09	2.20E-09	1.93E-10	1.79E-10	3.73E-10	1.06E-10	8.89E-11	1.95E-10	1.20E-09	1.03E-09	2.24E-09
267	652545.2	4195044	1.12E-09	9.88E-10	2.11E-09	1.85E-10	1.72E-10	3.57E-10	1.02E-10	8.52E-11	1.87E-10	1.15E-09	9.91E-10	2.15E-09
268	652532.1	4195082	1.07E-09	9.48E-10	2.02E-09	1.78E-10	1.65E-10	3.42E-10	9.78E-11	8.17E-11	1.80E-10	1.11E-09	9.51E-10	2.06E-09
269	652519	4195121	1.03E-09	9.14E-10	1.95E-09	1.71E-10	1.59E-10	3.30E-10	9.43E-11	7.88E-11	1.73E-10	1.07E-09	9.17E-10	1.98E-09
270	652505.9	4195160	1.00E-09	8.87E-10	1.89E-09	1.66E-10	1.54E-10	3.20E-10	9.16E-11	7.65E-11	1.68E-10	1.04E-09	8.90E-10	1.93E-09
271	652492.8	4195198	9.82E-10	8.68E-10	1.85E-09	1.63E-10	1.51E-10	3.13E-10	8.96E-11	7.48E-11	1.64E-10	1.01E-09	8.71E-10	1.88E-09
272	652479.7	4195237	9.66E-10	8.54E-10	1.82E-09	1.60E-10	1.48E-10	3.08E-10	8.81E-11	7.36E-11	1.62E-10	9.97E-10	8.57E-10	1.85E-09
273	652466.6	4195276	9.54E-10	8.43E-10	1.80E-09	1.58E-10	1.46E-10	3.04E-10	8.70E-11	7.27E-11	1.60E-10	9.84E-10	8.46E-10	1.83E-09
274	652453.5	4195314	9.39E-10	8.30E-10	1.77E-09	1.56E-10	1.44E-10	3.00E-10	8.57E-11	7.15E-11	1.57E-10	9.69E-10	8.33E-10	1.80E-09
275	652440.4	4195353	9.17E-10	8.10E-10	1.73E-09	1.52E-10	1.41E-10	2.93E-10	8.36E-11	6.98E-11	1.53E-10	9.46E-10	8.13E-10	1.76E-09
276	652427.3	4195392	8.83E-10	7.81E-10	1.66E-09	1.46E-10	1.36E-10	2.82E-10	8.06E-11	6.73E-11	1.48E-10	9.12E-10	7.84E-10	1.70E-09
277	652643.1	4194733	1.32E-09	1.17E-09	2.48E-09	2.19E-10	2.02E-10	4.21E-10	1.20E-10	1.00E-10	2.21E-10	1.36E-09	1.17E-09	2.53E-09
278	652642.5	4194691	1.33E-09	1.18E-09	2.51E-09	2.21E-10	2.05E-10	4.26E-10	1.22E-10	1.02E-10	2.23E-10	1.38E-09	1.18E-09	2.56E-09
279	652836.9	4194769	1.01E-09	8.89E-10	1.89E-09	1.67E-10	1.54E-10	3.21E-10	9.17E-11	7.66E-11	1.68E-10	1.04E-09	8.92E-10	1.93E-09
280	652823.9	4194808	1.01E-09	8.94E-10	1.90E-09	1.67E-10	1.55E-10	3.23E-10	9.22E-11	7.70E-11	1.69E-10	1.04E-09	8.96E-10	1.94E-09
281	652811	4194846	1.01E-09	8.93E-10	1.90E-09	1.67E-10	1.55E-10	3.22E-10	9.21E-11	7.69E-11	1.69E-10	1.04E-09	8.95E-10	1.94E-09
282	652798	4194884	1.00E-09	8.87E-10	1.89E-09	1.66E-10	1.54E-10	3.20E-10	9.15E-11	7.64E-11	1.68E-10	1.03E-09	8.89E-10	1.92E-09
283	652785.1	4194923	9.89E-10	8.75E-10	1.86E-09	1.64E-10	1.52E-10	3.16E-10	9.02E-11	7.54E-11	1.66E-10	1.02E-09	8.77E-10	1.90E-09
284	652772.1	4194961	9.70E-10	8.58E-10	1.83E-09	1.61E-10	1.49E-10	3.10E-10	8.85E-11	7.39E-11	1.62E-10	1.00E-09	8.60E-10	1.86E-09
285	652759.2	4194999	9.44E-10	8.35E-10	1.78E-09	1.56E-10	1.45E-10	3.01E-10	8.61E-11	7.19E-11	1.58E-10	9.74E-10	8.37E-10	1.81E-09
286	652746.2	4195037	9.13E-10	8.08E-10	1.72E-09	1.51E-10	1.40E-10	2.92E-10	8.33E-11	6.96E-11	1.53E-10	9.43E-10	8.10E-10	1.75E-09
287	652733.2	4195076	8.80E-10	7.78E-10	1.66E-09	1.46E-10	1.35E-10	2.81E-10	8.03E-11	6.70E-11	1.47E-10	9.08E-10	7.81E-10	1.69E-09
288	652720.3	4195114	8.46E-10	7.48E-10	1.59E-09	1.40E-10	1.30E-10	2.70E-10	7.72E-11	6.45E-11	1.42E-10	8.74E-10	7.51E-10	1.62E-09
289	652707.3	4195152	8.16E-10	7.21E-10	1.54E-09	1.35E-10	1.25E-10	2.60E-10	7.44E-11	6.21E-11	1.37E-10	8.42E-10	7.23E-10	1.57E-09
290	652694.4	4195191	7.90E-10	6.98E-10	1.49E-09	1.31E-10	1.21E-10	2.52E-10	7.20E-11	6.02E-11	1.32E-10	8.15E-10	7.00E-10	1.52E-09
291	652681.4	4195229	7.70E-10	6.81E-10	1.45E-09	1.28E-10	1.18E-10	2.46E-10	7.02E-11	5.87E-11	1.29E-10	7.95E-10	6.83E-10	1.48E-09
292	652668.5	4195267	7.57E-10	6.69E-10	1.43E-09	1.25E-10	1.16E-10	2.42E-10	6.91E-11	5.77E-11	1.27E-10	7.81E-10	6.71E-10	1.45E-09
293	652655.5	4195306	7.50E-10	6.63E-10	1.41E-09	1.24E-10	1.15E-10	2.40E-10	6.85E-11	5.72E-11	1.26E-10	7.74E-10	6.65E-10	1.44E-09
294	652642.6	4195344	7.47E-10	6.61E-10	1.41E-09	1.24E-10	1.15E-10	2.39E-10	6.82E-11	5.69E-11	1.25E-10	7.71E-10	6.63E-10	1.43E-09
295	652629.6	4195382	7.45E-10	6.59E-10	1.40E-09	1.23E-10	1.14E-10	2.38E-10	6.79E-11	5.67E-11	1.25E-10	7.69E-10	6.60E-10	1.43E-09
296	652616.6	4195420	7.38E-10	6.53E-10	1.39E-09	1.22E-10	1.13E-10	2.36E-10	6.73E-11	5.62E-11	1.24E-10	7.62E-10	6.55E-10	1.42E-09
297	652603.7	4195459	7.24E-10	6.41E-10	1.37E-09	1.20E-10	1.11E-10	2.31E-10	6.61E-11	5.52E-11	1.21E-10	7.48E-10	6.43E-10	1.39E-09
298	652590.7	4195497	7.03E-10	6.21E-10	1.32E-09	1.16E-10	1.08E-10	2.24E-10	6.41E-11	5.35E-11	1.18E-10	7.25E-10	6.23E-10	1.35E-09
299	652577.8	4195535	6.73E-10	5.95E-10	1.27E-09	1.12E-10	1.03E-10	2.15E-10	6.14E-11	5.13E-11	1.13E-10	6.94E-10	5.97E-10	1.29E-09
300	652843.1	4194730	1.00E-09	8.89E-10	1.89E-09	1.67E-10	1.54E-10	3.21E-10	9.17E-11	7.66E-11	1.68E-10	1.04E-09	8.91E-10	1.93E-09
301	652842.5	4194688	1.01E-09	8.93E-10	1.90E-09	1.67E-10	1.55E-10	3.22E-10	9.21E-11	7.69E-11	1.69E-10	1.04E-09	8.96E-10	1.94E-09
302	653036.8	4194767	8.02E-10	7.09E-10	1.51E-09	1.33E-10	1.23E-10	2.56E-10	7.31E-11	6.11E-11	1.34E-10	8.27E-10	7.11E-10	1.54E-09
303	653023.7	4194805	8.08E-10	7.14E-10	1.52E-09	1.34E-10	1.24E-10	2.58E-10	7.37E-11	6.16E-11	1.35E-10	8.34E-10	7.17E-10	1.55E-09
304	653010.6	4194844	8.10E-10	7.17E-10	1.53E-09	1.34E-10	1.24E-10	2.59E-10	7.39E-11	6.17E-11	1.36E-10	8.36E-10	7.19E-10	1.56E-09

305	652997.4	4194883	8.08E-10	7.15E-10	1.52E-09	1.34E-10	1.24E-10	2.58E-10	7.37E-11	6.16E-11	1.35E-10	8.34E-10	7.17E-10	1.55E-09
306	652984.3	4194922	8.02E-10	7.09E-10	1.51E-09	1.33E-10	1.23E-10	2.56E-10	7.31E-11	6.11E-11	1.34E-10	8.27E-10	7.11E-10	1.54E-09
307	652971.2	4194961	7.91E-10	7.00E-10	1.49E-09	1.31E-10	1.21E-10	2.53E-10	7.22E-11	6.03E-11	1.32E-10	8.17E-10	7.02E-10	1.52E-09
308	652958.1	4194999	7.77E-10	6.87E-10	1.46E-09	1.29E-10	1.19E-10	2.48E-10	7.09E-11	5.92E-11	1.30E-10	8.02E-10	6.89E-10	1.49E-09
309	652945	4195038	7.59E-10	6.71E-10	1.43E-09	1.26E-10	1.17E-10	2.42E-10	6.93E-11	5.78E-11	1.27E-10	7.84E-10	6.73E-10	1.46E-09
310	652931.8	4195077	7.38E-10	6.53E-10	1.39E-09	1.22E-10	1.13E-10	2.36E-10	6.73E-11	5.62E-11	1.24E-10	7.62E-10	6.55E-10	1.42E-09
311	652918.7	4195116	7.15E-10	6.32E-10	1.35E-09	1.18E-10	1.10E-10	2.28E-10	6.52E-11	5.44E-11	1.20E-10	7.37E-10	6.34E-10	1.37E-09
312	652905.6	4195155	6.89E-10	6.10E-10	1.30E-09	1.14E-10	1.06E-10	2.20E-10	6.29E-11	5.25E-11	1.15E-10	7.11E-10	6.11E-10	1.32E-09
313	652892.5	4195193	6.65E-10	5.88E-10	1.25E-09	1.10E-10	1.02E-10	2.12E-10	6.06E-11	5.06E-11	1.11E-10	6.86E-10	5.90E-10	1.28E-09
314	652879.4	4195232	6.42E-10	5.68E-10	1.21E-09	1.06E-10	9.86E-11	2.05E-10	5.86E-11	4.89E-11	1.08E-10	6.63E-10	5.70E-10	1.23E-09
315	652866.2	4195271	6.24E-10	5.52E-10	1.18E-09	1.04E-10	9.59E-11	1.99E-10	5.70E-11	4.76E-11	1.05E-10	6.44E-10	5.54E-10	1.20E-09
316	652853.1	4195310	6.12E-10	5.41E-10	1.15E-09	1.01E-10	9.39E-11	1.95E-10	5.58E-11	4.66E-11	1.02E-10	6.31E-10	5.43E-10	1.17E-09
317	652840	4195348	6.05E-10	5.35E-10	1.14E-09	1.00E-10	9.29E-11	1.93E-10	5.52E-11	4.61E-11	1.01E-10	6.24E-10	5.37E-10	1.16E-09
318	652826.9	4195387	6.03E-10	5.34E-10	1.14E-09	1.00E-10	9.26E-11	1.93E-10	5.51E-11	4.60E-11	1.01E-10	6.23E-10	5.35E-10	1.16E-09
319	652813.8	4195426	6.05E-10	5.35E-10	1.14E-09	1.00E-10	9.29E-11	1.93E-10	5.52E-11	4.61E-11	1.01E-10	6.25E-10	5.37E-10	1.16E-09
320	652800.7	4195465	6.07E-10	5.37E-10	1.14E-09	1.01E-10	9.32E-11	1.94E-10	5.54E-11	4.62E-11	1.02E-10	6.26E-10	5.38E-10	1.16E-09
321	652787.5	4195504	6.06E-10	5.36E-10	1.14E-09	1.00E-10	9.30E-11	1.93E-10	5.53E-11	4.62E-11	1.01E-10	6.25E-10	5.37E-10	1.16E-09
322	652774.4	4195542	6.00E-10	5.30E-10	1.13E-09	9.94E-11	9.21E-11	1.92E-10	5.47E-11	4.57E-11	1.00E-10	6.19E-10	5.32E-10	1.15E-09
323	652761.3	4195581	5.87E-10	5.19E-10	1.11E-09	9.74E-11	9.02E-11	1.88E-10	5.36E-11	4.48E-11	9.84E-11	6.06E-10	5.21E-10	1.13E-09
324	652748.2	4195620	5.69E-10	5.03E-10	1.07E-09	9.43E-11	8.73E-11	1.82E-10	5.19E-11	4.33E-11	9.53E-11	5.87E-10	5.05E-10	1.09E-09
325	652735.1	4195659	5.45E-10	4.82E-10	1.03E-09	9.03E-11	8.37E-11	1.74E-10	4.97E-11	4.15E-11	9.12E-11	5.62E-10	4.83E-10	1.05E-09
326	653043	4194727	7.98E-10	7.06E-10	1.50E-09	1.32E-10	1.23E-10	2.55E-10	7.28E-11	6.08E-11	1.34E-10	8.24E-10	7.08E-10	1.53E-09
327	653042.4	4194685	7.99E-10	7.06E-10	1.51E-09	1.32E-10	1.23E-10	2.55E-10	7.29E-11	6.09E-11	1.34E-10	8.24E-10	7.08E-10	1.53E-09
328	651592.1	4194686	7.81E-08	6.91E-08	1.47E-07	1.29E-08	1.20E-08	2.49E-08	7.13E-09	5.95E-09	1.31E-08	8.06E-08	6.93E-08	1.50E-07
329	651616.6	4194666	6.42E-08	5.67E-08	1.21E-07	1.06E-08	9.85E-09	2.05E-08	5.85E-09	4.89E-09	1.07E-08	6.62E-08	5.69E-08	1.23E-07
330	651641.6	4194665	4.96E-08	4.39E-08	9.35E-08	8.23E-09	7.62E-09	1.58E-08	4.53E-09	3.78E-09	8.31E-09	5.12E-08	4.40E-08	9.52E-08
331	651691.5	4194664	3.21E-08	2.84E-08	6.04E-08	5.32E-09	4.92E-09	1.02E-08	2.93E-09	2.44E-09	5.37E-09	3.31E-08	2.84E-08	6.15E-08
332	651741.5	4194663	2.23E-08	1.97E-08	4.20E-08	3.69E-09	3.42E-09	7.11E-09	2.03E-09	1.70E-09	3.73E-09	2.30E-08	1.98E-08	4.27E-08
333	651792	4194681	1.54E-08	1.36E-08	2.90E-08	2.55E-09	2.36E-09	4.92E-09	1.40E-09	1.17E-09	2.58E-09	1.59E-08	1.37E-08	2.96E-08
334	651842	4194680	1.18E-08	1.04E-08	2.22E-08	1.95E-09	1.81E-09	3.76E-09	1.08E-09	8.98E-10	1.97E-09	1.22E-08	1.05E-08	2.26E-08
335	651942	4194678	7.51E-09	6.64E-09	1.42E-08	1.25E-09	1.15E-09	2.40E-09	6.86E-10	5.73E-10	1.26E-09	7.76E-09	6.67E-09	1.44E-08
336	652041.9	4194675	5.20E-09	4.60E-09	9.80E-09	8.62E-10	7.98E-10	1.66E-09	4.75E-10	3.96E-10	8.71E-10	5.37E-09	4.61E-09	9.98E-09
337	652141.9	4194672	3.82E-09	3.38E-09	7.19E-09	6.33E-10	5.86E-10	1.22E-09	3.48E-10	2.91E-10	6.39E-10	3.94E-09	3.39E-09	7.33E-09
338	652241.9	4194670	2.93E-09	2.59E-09	5.52E-09	4.86E-10	4.50E-10	9.35E-10	2.67E-10	2.23E-10	4.90E-10	3.02E-09	2.60E-09	5.62E-09
339	652441.8	4194665	1.90E-09	1.68E-09	3.58E-09	3.15E-10	2.91E-10	6.06E-10	1.73E-10	1.45E-10	3.18E-10	1.96E-09	1.68E-09	3.64E-09
340	652641.7	4194660	1.34E-09	1.19E-09	2.53E-09	2.23E-10	2.06E-10	4.29E-10	1.23E-10	1.02E-10	2.25E-10	1.39E-09	1.19E-09	2.58E-09
341	652841.7	4194655	1.01E-09	8.97E-10	1.91E-09	1.68E-10	1.56E-10	3.24E-10	9.25E-11	7.73E-11	1.70E-10	1.05E-09	8.99E-10	1.95E-09
342	653041.6	4194649	8.00E-10	7.07E-10	1.51E-09	1.33E-10	1.23E-10	2.55E-10	7.30E-11	6.10E-11	1.34E-10	8.26E-10	7.10E-10	1.54E-09
343	651691	4194622	3.57E-08	3.16E-08	6.73E-08	5.92E-09	5.48E-09	1.14E-08	3.26E-09	2.72E-09	5.98E-09	3.68E-08	3.17E-08	6.85E-08
344	651741	4194621	2.46E-08	2.18E-08	4.64E-08	4.08E-09	3.78E-09	7.86E-09	2.25E-09	1.88E-09	4.12E-09	2.54E-08	2.18E-08	4.73E-08
345	651791.3	4194643	1.70E-08	1.51E-08	3.21E-08	2.83E-09	2.62E-09	5.44E-09	1.56E-09	1.30E-09	2.85E-09	1.76E-08	1.51E-08	3.27E-08
346	651841.3	4194642	1.29E-08	1.14E-08	2.43E-08	2.14E-09	1.98E-09	4.11E-09	1.18E-09	9.81E-10	2.16E-09	1.33E-08	1.14E-08	2.47E-08
347	651841	4194620	1.34E-08	1.19E-08	2.53E-08	2.23E-09	2.06E-09	4.29E-09	1.23E-09	1.02E-09	2.25E-09	1.39E-08	1.19E-08	2.58E-08
348	651941.3	4194641	8.04E-09	7.11E-09	1.51E-08	1.33E-09	1.23E-09	2.57E-09	7.33E-10	6.12E-10	1.35E-09	8.30E-09	7.13E-09	1.54E-08
349	652041.3	4194639	5.47E-09	4.84E-09	1.03E-08	9.07E-10	8.40E-10	1.75E-09	4.99E-10	4.17E-10	9.16E-10	5.65E-09	4.85E-09	1.05E-08
350	652041	4194617	5.63E-09	4.98E-09	1.06E-08	9.34E-10	8.65E-10	1.80E-09	5.14E-10	4.29E-10	9.43E-10	5.81E-09	5.00E-09	1.08E-08
351	652141.3	4194638	3.96E-09	3.51E-09	7.47E-09	6.57E-10	6.08E-10	1.27E-09	3.62E-10	3.02E-10	6.64E-10	4.09E-09	3.52E-09	7.61E-09
352	652241.3	4194637	3.01E-09	2.66E-09	5.67E-09	4.99E-10	4.62E-10	9.61E-10	2.75E-10	2.29E-10	5.04E-10	3.11E-09	2.67E-09	5.77E-09
353	652241	4194615	3.06E-09	2.71E-09	5.77E-09	5.08E-10	4.70E-10	9.78E-10	2.79E-10	2.33E-10	5.13E-10	3.16E-09	2.72E-09	5.88E-09
354	652441.2	4194634	1.93E-09	1.70E-09	3.63E-09	3.19E-10	2.96E-10	6.15E-10	1.76E-10	1.47E-10	3.22E-10	1.99E-09	1.71E-09	3.70E-09
355	652441	4194612	1.95E-09	1.72E-09	3.67E-09	3.23E-10	2.99E-10	6.22E-10	1.78E-10	1.48E-10	3.26E-10	2.01E-09	1.73E-09	3.74E-09
356	652641.2	4194632	1.36E-09	1.20E-09	2.55E-09	2.25E-10	2.08E-10	4.33E-10	1.24E-10	1.03E-10	2.27E-10	1.40E-09	1.20E-09	2.60E-09
357	652640.9	4194610	1.36E-09	1.21E-09	2.57E-09	2.26E-10	2.09E-10	4.35E-10	1.24E-10	1.04E-10	2.28E-10	1.41E-09	1.21E-09	2.62E-09
358	652841.2	4194629	1.02E-09	9.00E-10	1.92E-09	1.69E-10	1.56E-10	3.25E-10	9.28E-11	7.75E-11	1.70E-10	1.05E-09	9.03E-10	1.95E-09
359	652840.9	4194607	1.02E-09	9.03E-10	1.92E-09	1.69E-10	1.57E-10	3.26E-10	9.32E-11	7.78E-11	1.71E-10	1.05E-09	9.06E-10	1.96E-09
360	653041.2	4194627	8.01E-10	7.09E-10	1.51E-09	1.33E-10	1.23E-10	2.56E-10	7.31E-11	6.10E-11	1.34E-10	8.27E-10	7.11E-10	1.54E-09
361	653040.9	4194605	8.03E-10	7.10E-10	1.51E-09	1.33E-10	1.23E-10	2.56E-10	7.32E-11	6.12E-11	1.34E-10	8.29E-10	7.12E-10	1.54E-09
362	651591.6	4194568	9.06E-08	8.01E-08	1.71E-07	1.50E-08	1.39E-08	2.89E-08	8.27E-09	6.90E-09	1.52E-08	9.35E-08	8.04E-08	1.74E-07
363	651616.4	4194587	7.23E-08	6.40E-08	1.36E-07	1.20E-08	1.11E-08	2.31E-08	6.60E-09	5.51E-09	1.21E-08	7.47E-08	6.42E-08	1.39E-07
364	651641.4	4194587	5.65E-08	4.99E-08	1.06E-07	9.36E-09	8.67E-09	1.80E-08	5.15E-09	4.30E-09	9.45E-09	5.83E-08	5.01E-08	1.08E-07
365	651691.4	4194588	3.69E-08	3.26E-08	6.95E-08	6.12E-09	5.66E-09	1.18E-08	3.37E-09	2.81E-09	6.18E-09	3.81E-08	3.27E-08	7.08E-08
366	651741.4	4194588	2.57E-08	2.27E-08	4.84E-08	4.26E-09	3.94E-09	8.20E-09	2.34E-09	1.96E-09	4.30E-09	2.65E-08	2.28E-08	4.93E-08
367	651791.2	4194608	1.82E-08	1.61E-08	3.43E-08	3.02E-09	2.80E-09	5.82E-09	1.66E-09	1.39E-09	3.05E-09	1.88E-08	1.62E-08	3.50E-08
368	651791.6	4194570	1.90E-08	1.68E-08	3.59E-08	3.15E-09	2.92E-09	6.08E-09	1.74E-09	1.45E-09	3.19E-09	1.96E-08	1.69E-08	3.65E-08
369	651841.4	4194590	1.41E-08	1.24E-08	2.65E-08	2.33E-09	2.16E-09	4.49E-09	1.28E-09	1.07E-09	2.35E-09	1.45E-08	1.25E-08	2.70E-08
370	651941.2	4194609	8.44E-09	7.46E-09	1.59E-08	1.40E-09	1.30E-09	2.69E-09	7.70E-10	6.43E-10	1.41E-09	8.71E-09	7.49E-09	1.62E-08
371	651941.6	4194572	8.86E-09	7.84E-09	1.67E-08	1.47E-09	1.36E-09	2.83E-09	8.09E-10	6.75E-10	1.48E-09	9.15E-09	7.86E-09	1.70E-08
372	652041.4	4194592	5.81E-09	5.13E-09	1.09E-08	9.62E-10	8.91E-10	1.85E-09	5.30E-10	4.42E-10	9.72E-10	5.99E-09	5.15E-09	1.11E-08
373	652141.2	4194611	4.07E-09	3.60E-09	7.68E-09	6.75E-10	6.25E-10	1.30E-09	3.72E-10	3.10E-10	6.82E-10	4.21E-09	3.61E-09	7.82E-09
374	652141.6	4194574	4.23E-09	3.74E-09	7.97E-09	7.01E-10	6.49E-10	1.35E-09	3.86E-10	3.22E-10	7.08E-10	4.37E-09	3.75E-09	8.12E-09
375	652241.6	4194575	3.16E-09	2.80E-09	5.96E-09	5.24E-10	4.85E-10	1.01E-09	2.89E-10	2.41E-10	5.29E-10	3.26E-09	2.80E-09	6.07E-09
376	652441.6	4194578	1.98E-09	1.75E-09	3.74E-09	3.29E-10	3.04E-10	6.33E-10	1.81E-10	1.51E-10	3.32E-10	2.05E-09	1.76E-09	3.80E-09
377	652641.6	4194580	1.38E-09	1.22E-09	2.59E-09	2.28E-10	2.11E-10	4.39E-10	1.26E-10	1.05E-10	2.30E-10	1.42E-09	1.22E-09	2.64E-09
378	652841.6	4194582	1.03E-09	9.07E-10	1.93E-09	1.70E-10	1.57E-10	3.28E-10	9.36E-11	7.82E-11	1.72E-10	1.06E-09	9.10E-10	1.97E-09
379	651604	4194531	6.69E-08	5.91E-08	1.26E-07	1.11E-08	1.03E-08	2.14E-08	6.10E-09	5.10E-09	1.12E-08	6.90E-08	5.93E-08	1.28E-07
380	651613.5	4194559	7.01E-08	6.20E-08	1.32E-07	1.16E-08	1.08E-08	2.24E-08	6.40E-09	5.34E-09	1.17E-08	7.23E-08	6.22E-08	1.35E-07
381	651624.1	4194517	5.37E-08	4.75E-08	1.01E-07	8.90E-09	8.24E-09	1.71E-08	4.90E-09	4.09E-09	8.99E-09	5.54E-08	4.76E-08	1.03E-07

382	651634.6	4194548	5.63E-08	4.98E-08	1.06E-07	9.33E-09	8.64E-09	1.80E-08	5.13E-09	4.29E-09	9.42E-09	5.81E-08	4.99E-08	1.08E-07
383	651663.6	4194486	3.71E-08	3.28E-08	6.99E-08	6.15E-09	5.70E-09	1.18E-08	3.38E-09	2.83E-09	6.21E-09	3.83E-08	3.29E-08	7.12E-08
384	651674.1	4194517	3.89E-08	3.44E-08	7.33E-08	6.45E-09	5.97E-09	1.24E-08	3.55E-09	2.97E-09	6.52E-09	4.02E-08	3.45E-08	7.47E-08
385	651684.6	4194549	3.84E-08	3.40E-08	7.23E-08	6.36E-09	5.89E-09	1.23E-08	3.50E-09	2.93E-09	6.43E-09	3.96E-08	3.41E-08	7.37E-08
386	651703.1	4194455	2.73E-08	2.42E-08	5.15E-08	4.53E-09	4.20E-09	8.73E-09	2.50E-09	2.08E-09	4.58E-09	2.82E-08	2.43E-08	5.25E-08
387	651713.6	4194487	2.86E-08	2.53E-08	5.40E-08	4.75E-09	4.40E-09	9.14E-09	2.61E-09	2.18E-09	4.79E-09	2.96E-08	2.54E-08	5.50E-08
388	651724.1	4194518	2.86E-08	2.53E-08	5.39E-08	4.74E-09	4.39E-09	9.13E-09	2.61E-09	2.18E-09	4.79E-09	2.95E-08	2.54E-08	5.49E-08
389	651734.6	4194549	2.73E-08	2.42E-08	5.15E-08	4.53E-09	4.20E-09	8.73E-09	2.49E-09	2.08E-09	4.58E-09	2.82E-08	2.42E-08	5.25E-08
390	651742.5	4194425	2.10E-08	1.86E-08	3.97E-08	3.49E-09	3.23E-09	6.72E-09	1.92E-09	1.60E-09	3.52E-09	2.17E-08	1.87E-08	4.04E-08
391	651753	4194456	2.20E-08	1.94E-08	4.14E-08	3.64E-09	3.37E-09	7.02E-09	2.01E-09	1.67E-09	3.68E-09	2.27E-08	1.95E-08	4.22E-08
392	651763.6	4194487	2.21E-08	1.95E-08	4.17E-08	3.66E-09	3.39E-09	7.06E-09	2.02E-09	1.68E-09	3.70E-09	2.28E-08	1.96E-08	4.24E-08
393	651774.1	4194518	2.14E-08	1.90E-08	4.04E-08	3.55E-09	3.29E-09	6.84E-09	1.96E-09	1.63E-09	3.59E-09	2.21E-08	1.90E-08	4.11E-08
394	651782	4194394	1.67E-08	1.48E-08	3.15E-08	2.77E-09	2.57E-09	5.33E-09	1.52E-09	1.27E-09	2.80E-09	1.72E-08	1.48E-08	3.21E-08
395	651792.5	4194425	1.74E-08	1.54E-08	3.28E-08	2.89E-09	2.67E-09	5.56E-09	1.59E-09	1.33E-09	2.91E-09	1.80E-08	1.54E-08	3.34E-08
396	651803	4194456	1.76E-08	1.55E-08	3.31E-08	2.91E-09	2.70E-09	5.61E-09	1.60E-09	1.34E-09	2.94E-09	1.81E-08	1.56E-08	3.37E-08
397	651813.6	4194488	1.72E-08	1.52E-08	3.24E-08	2.85E-09	2.64E-09	5.50E-09	1.57E-09	1.31E-09	2.88E-09	1.78E-08	1.53E-08	3.30E-08
398	651824.1	4194519	1.64E-08	1.45E-08	3.09E-08	2.72E-09	2.52E-09	5.23E-09	1.49E-09	1.25E-09	2.74E-09	1.69E-08	1.45E-08	3.14E-08
399	651834.6	4194550	1.52E-08	1.35E-08	2.87E-08	2.53E-09	2.34E-09	4.86E-09	1.39E-09	1.16E-09	2.55E-09	1.57E-08	1.35E-08	2.92E-08
400	651861	4194333	1.13E-08	9.97E-09	2.12E-08	1.87E-09	1.73E-09	3.60E-09	1.03E-09	8.59E-10	1.89E-09	1.16E-08	1.00E-08	2.16E-08
401	651871.5	4194364	1.17E-08	1.03E-08	2.20E-08	1.94E-09	1.79E-09	3.73E-09	1.07E-09	8.91E-10	1.96E-09	1.21E-08	1.04E-08	2.24E-08
402	651882	4194395	1.19E-08	1.05E-08	2.23E-08	1.97E-09	1.82E-09	3.79E-09	1.08E-09	9.03E-10	1.98E-09	1.22E-08	1.05E-08	2.28E-08
403	651892.5	4194426	1.18E-08	1.04E-08	2.21E-08	1.95E-09	1.80E-09	3.75E-09	1.07E-09	8.95E-10	1.97E-09	1.21E-08	1.04E-08	2.26E-08
404	651903	4194458	1.14E-08	1.01E-08	2.15E-08	1.89E-09	1.75E-09	3.64E-09	1.04E-09	8.68E-10	1.91E-09	1.18E-08	1.01E-08	2.19E-08
405	651913.6	4194489	1.08E-08	9.58E-09	2.04E-08	1.80E-09	1.66E-09	3.46E-09	9.88E-10	8.25E-10	1.81E-09	1.12E-08	9.61E-09	2.08E-08
406	651924.1	4194520	1.01E-08	8.96E-09	1.91E-08	1.68E-09	1.56E-09	3.24E-09	9.25E-10	7.72E-10	1.70E-09	1.05E-08	8.99E-09	1.94E-08
407	651939.9	4194271	8.11E-09	7.17E-09	1.53E-08	1.34E-09	1.25E-09	2.59E-09	7.40E-10	6.18E-10	1.36E-09	8.37E-09	7.20E-09	1.56E-08
408	651950.4	4194302	8.38E-09	7.41E-09	1.58E-08	1.39E-09	1.29E-09	2.68E-09	7.65E-10	6.38E-10	1.40E-09	8.65E-09	7.43E-09	1.61E-08
409	651960.9	4194334	8.51E-09	7.53E-09	1.60E-08	1.41E-09	1.31E-09	2.72E-09	7.77E-10	6.49E-10	1.43E-09	8.79E-09	7.55E-09	1.63E-08
410	651971.5	4194365	8.49E-09	7.51E-09	1.60E-08	1.41E-09	1.30E-09	2.71E-09	7.75E-10	6.47E-10	1.42E-09	8.77E-09	7.53E-09	1.63E-08
411	651982	4194396	8.33E-09	7.37E-09	1.57E-08	1.38E-09	1.28E-09	2.66E-09	7.60E-10	6.35E-10	1.39E-09	8.60E-09	7.39E-09	1.60E-08
412	651992.5	4194427	8.04E-09	7.11E-09	1.51E-08	1.33E-09	1.23E-09	2.57E-09	7.33E-10	6.12E-10	1.35E-09	8.30E-09	7.13E-09	1.54E-08
413	652003	4194459	7.65E-09	6.76E-09	1.44E-08	1.27E-09	1.17E-09	2.44E-09	6.98E-10	5.83E-10	1.28E-09	7.89E-09	6.78E-09	1.47E-08
414	652013.6	4194490	7.20E-09	6.36E-09	1.36E-08	1.19E-09	1.10E-09	2.30E-09	6.57E-10	5.48E-10	1.21E-09	7.43E-09	6.38E-09	1.38E-08
415	652024.1	4194521	6.72E-09	5.94E-09	1.27E-08	1.11E-09	1.03E-09	2.15E-09	6.13E-10	5.12E-10	1.12E-09	6.93E-09	5.96E-09	1.29E-08
416	652034.6	4194552	6.24E-09	5.52E-09	1.18E-08	1.03E-09	9.58E-10	1.99E-09	5.69E-10	4.75E-10	1.04E-09	6.44E-09	5.53E-09	1.20E-08
417	652018.9	4194210	6.11E-09	5.41E-09	1.15E-08	1.01E-09	9.38E-10	1.95E-09	5.58E-10	4.66E-10	1.02E-09	6.31E-09	5.42E-09	1.17E-08
418	652029.8	4194242	6.30E-09	5.57E-09	1.19E-08	1.04E-09	9.67E-10	2.01E-09	5.75E-10	4.80E-10	1.06E-09	6.50E-09	5.59E-09	1.21E-08
419	652037	4194264	6.38E-09	5.64E-09	1.20E-08	1.06E-09	9.79E-10	2.04E-09	5.82E-10	4.86E-10	1.07E-09	6.58E-09	5.66E-09	1.22E-08
420	652047.8	4194296	6.41E-09	5.67E-09	1.21E-08	1.06E-09	9.84E-10	2.05E-09	5.85E-10	4.89E-10	1.07E-09	6.62E-09	5.69E-09	1.23E-08
421	652058.6	4194328	6.35E-09	5.62E-09	1.20E-08	1.05E-09	9.75E-10	2.03E-09	5.80E-10	4.84E-10	1.06E-09	6.56E-09	5.64E-09	1.22E-08
422	652065.8	4194349	6.27E-09	5.54E-09	1.18E-08	1.04E-09	9.62E-10	2.00E-09	5.72E-10	4.77E-10	1.05E-09	6.47E-09	5.56E-09	1.20E-08
423	652073.1	4194371	6.14E-09	5.43E-09	1.16E-08	1.02E-09	9.43E-10	1.96E-09	5.60E-10	4.68E-10	1.03E-09	6.34E-09	5.45E-09	1.18E-08
424	652083.9	4194403	5.90E-09	5.22E-09	1.11E-08	9.78E-10	9.05E-10	1.88E-09	5.38E-10	4.49E-10	9.87E-10	6.09E-09	5.23E-09	1.13E-08
425	652091.1	4194424	5.71E-09	5.05E-09	1.08E-08	9.46E-10	8.77E-10	1.82E-09	5.21E-10	4.35E-10	9.56E-10	5.89E-09	5.06E-09	1.10E-08
426	652101.9	4194456	5.40E-09	4.77E-09	1.02E-08	8.95E-10	8.29E-10	1.72E-09	4.93E-10	4.11E-10	9.04E-10	5.57E-09	4.79E-09	1.04E-08
427	652109.1	4194478	5.18E-09	4.58E-09	9.76E-09	8.59E-10	7.95E-10	1.65E-09	4.73E-10	3.95E-10	8.67E-10	5.35E-09	4.59E-09	9.94E-09
428	652116.4	4194499	4.96E-09	4.39E-09	9.34E-09	8.22E-10	7.61E-10	1.58E-09	4.52E-10	3.78E-10	8.30E-10	5.12E-09	4.40E-09	9.52E-09
429	652127.2	4194531	4.63E-09	4.10E-09	8.73E-09	7.68E-10	7.11E-10	1.48E-09	4.23E-10	3.53E-10	7.76E-10	4.78E-09	4.11E-09	8.89E-09
430	652097.9	4194149	4.78E-09	4.23E-09	9.01E-09	7.92E-10	7.34E-10	1.53E-09	4.36E-10	3.64E-10	8.00E-10	4.93E-09	4.24E-09	9.17E-09
431	652108.7	4194181	4.91E-09	4.35E-09	9.26E-09	8.15E-10	7.54E-10	1.57E-09	4.48E-10	3.74E-10	8.23E-10	5.07E-09	4.36E-09	9.43E-09
432	652119.4	4194213	4.99E-09	4.41E-09	9.40E-09	8.27E-10	7.66E-10	1.59E-09	4.55E-10	3.80E-10	8.35E-10	5.15E-09	4.43E-09	9.58E-09
433	652130.2	4194245	5.00E-09	4.43E-09	9.43E-09	8.29E-10	7.68E-10	1.60E-09	4.57E-10	3.81E-10	8.38E-10	5.17E-09	4.44E-09	9.60E-09
434	652141	4194277	4.96E-09	4.38E-09	9.34E-09	8.22E-10	7.61E-10	1.58E-09	4.52E-10	3.78E-10	8.30E-10	5.12E-09	4.40E-09	9.52E-09
435	652151.8	4194309	4.86E-09	4.30E-09	9.15E-09	8.05E-10	7.46E-10	1.55E-09	4.43E-10	3.70E-10	8.13E-10	5.01E-09	4.31E-09	9.32E-09
436	652159	4194330	4.76E-09	4.21E-09	8.98E-09	7.90E-10	7.31E-10	1.52E-09	4.35E-10	3.63E-10	7.98E-10	4.92E-09	4.23E-09	9.14E-09
437	652166.2	4194351	4.65E-09	4.11E-09	8.77E-09	7.71E-10	7.14E-10	1.49E-09	4.25E-10	3.55E-10	7.79E-10	4.80E-09	4.13E-09	8.93E-09
438	652176.9	4194383	4.47E-09	3.95E-09	8.41E-09	7.40E-10	6.85E-10	1.43E-09	4.07E-10	3.40E-10	7.48E-10	4.61E-09	3.96E-09	8.57E-09
439	652187.7	4194415	4.25E-09	3.76E-09	8.01E-09	7.04E-10	6.52E-10	1.36E-09	3.88E-10	3.24E-10	7.12E-10	4.39E-09	3.77E-09	8.16E-09
440	652198.5	4194447	4.02E-09	3.56E-09	7.58E-09	6.67E-10	6.17E-10	1.28E-09	3.67E-10	3.06E-10	6.73E-10	4.15E-09	3.57E-09	7.72E-09
441	652209.3	4194479	3.79E-09	3.35E-09	7.14E-09	6.28E-10	5.82E-10	1.21E-09	3.46E-10	2.89E-10	6.35E-10	3.91E-09	3.36E-09	7.27E-09
442	652220	4194511	3.56E-09	3.15E-09	6.71E-09	5.91E-10	5.47E-10	1.14E-09	3.25E-10	2.71E-10	5.97E-10	3.68E-09	3.16E-09	6.84E-09
443	652230.8	4194543	3.35E-09	2.97E-09	6.32E-09	5.56E-10	5.15E-10	1.07E-09	3.06E-10	2.56E-10	5.62E-10	3.46E-09	2.98E-09	6.44E-09
444	652255.8	4194026	3.17E-09	2.80E-09	5.97E-09	5.25E-10	4.86E-10	1.01E-09	2.89E-10	2.41E-10	5.30E-10	3.27E-09	2.81E-09	6.08E-09
445	652266.5	4194058	3.24E-09	2.87E-09	6.11E-09	5.37E-10	4.98E-10	1.04E-09	2.96E-10	2.47E-10	5.43E-10	3.35E-09	2.88E-09	6.22E-09
446	652277.2	4194090	3.29E-09	2.91E-09	6.20E-09	5.45E-10	5.05E-10	1.05E-09	3.00E-10	2.51E-10	5.51E-10	3.40E-09	2.92E-09	6.31E-09
447	652287.9	4194121	3.31E-09	2.93E-09	6.23E-09	5.48E-10	5.08E-10	1.06E-09	3.02E-10	2.52E-10	5.54E-10	3.41E-09	2.93E-09	6.35E-09
448	652298.6	4194153	3.30E-09	2.91E-09	6.21E-09	5.46E-10	5.06E-10	1.05E-09	3.01E-10	2.51E-10	5.52E-10	3.40E-09	2.92E-09	6.33E-09
449	652309.4	4194185	3.26E-09	2.88E-09	6.14E-09	5.40E-10	5.00E-10	1.04E-09	2.97E-10	2.48E-10	5.45E-10	3.36E-09	2.89E-09	6.25E-09
450	652320.1	4194217	3.20E-09	2.83E-09	6.02E-09	5.30E-10	4.91E-10	1.02E-09	2.92E-10	2.43E-10	5.35E-10	3.30E-09	2.83E-09	6.13E-09
451	652330.8	4194249	3.11E-09	2.75E-09	5.86E-09	5.16E-10	4.78E-10	9.94E-10	2.84E-10	2.37E-10	5.21E-10	3.21E-09	2.76E-09	5.97E-09
452	652341.5	4194280	3.02E-09	2.67E-09	5.68E-09	5.00E-10	4.63E-10	9.63E-10	2.75E-10	2.30E-10	5.05E-10	3.11E-09	2.67E-09	5.79E-09
453	652352.3	4194312	2.91E-09	2.57E-09	5.48E-09	4.82E-10	4.46E-10	9.28E-10	2.65E-10	2.22E-10	4.87E-10	3.00E-09	2.58E-09	5.58E-09
454	652363	4194344	2.79E-09	2.47E-09	5.26E-09	4.63E-10	4.29E-10	8.91E-10	2.55E-10	2.13E-10	4.67E-10	2.88E-09	2.48E-09	5.36E-09
455	652370.1	4194365	2.71E-09	2.40E-09	5.10E-09	4.49E-10	4.16E-10	8.65E-10	2.47E-10	2.06E-10	4.53E-10	2.80E-09	2.40E-09	5.20E-09
456	652380.8	4194397	2.59E-09	2.29E-09	4.88E-09	4.29E-10	3.98E-10	8.27E-10	2.36E-10	1.97E-10	4.34E-10	2.67E-09	2.30E-09	4.97E-09
457	652388	4194418	2.51E-09	2.22E-09	4.74E-09	4.17E-10	3.86E-10	8.02E-10	2.29E-10	1.91E-10	4.21E-10	2.59E-09	2.23E-09	4.82E-09
458	652398.7	4194450	2.39E-09	2.11E-09	4.51E-09	3.96E-10	3.67E-10	7.63E-10	2.18E-10	1.82E-10	4.00E-10	2.47E-09	2.12E-09	4.59E-09

459	652405.9	4194471	2.31E-09	2.05E-09	4.36E-09	3.83E-10	3.55E-10	7.39E-10	2.11E-10	1.76E-10	3.87E-10	2.39E-09	2.05E-09	4.44E-09
460	652416.6	4194503	2.20E-09	1.95E-09	4.15E-09	3.65E-10	3.38E-10	7.03E-10	2.01E-10	1.68E-10	3.69E-10	2.27E-09	1.95E-09	4.23E-09
461	652427.3	4194535	2.10E-09	1.86E-09	3.96E-09	3.48E-10	3.22E-10	6.71E-10	1.92E-10	1.60E-10	3.52E-10	2.17E-09	1.86E-09	4.03E-09
462	652413.7	4193903	2.26E-09	2.00E-09	4.27E-09	3.75E-10	3.48E-10	7.23E-10	2.07E-10	1.72E-10	3.79E-10	2.34E-09	2.01E-09	4.34E-09
463	652424.3	4193935	2.31E-09	2.04E-09	4.36E-09	3.83E-10	3.55E-10	7.38E-10	2.11E-10	1.76E-10	3.87E-10	2.39E-09	2.05E-09	4.44E-09
464	652435	4193967	2.34E-09	2.07E-09	4.42E-09	3.89E-10	3.60E-10	7.48E-10	2.14E-10	1.79E-10	3.92E-10	2.42E-09	2.08E-09	4.50E-09
465	652445.7	4193998	2.36E-09	2.09E-09	4.44E-09	3.91E-10	3.62E-10	7.53E-10	2.15E-10	1.80E-10	3.95E-10	2.43E-09	2.09E-09	4.53E-09
466	652456.4	4194030	2.36E-09	2.09E-09	4.44E-09	3.91E-10	3.62E-10	7.53E-10	2.15E-10	1.80E-10	3.95E-10	2.43E-09	2.09E-09	4.52E-09
467	652467.1	4194062	2.34E-09	2.07E-09	4.42E-09	3.89E-10	3.60E-10	7.49E-10	2.14E-10	1.79E-10	3.93E-10	2.42E-09	2.08E-09	4.50E-09
468	652477.8	4194093	2.31E-09	2.05E-09	4.36E-09	3.84E-10	3.55E-10	7.39E-10	2.11E-10	1.76E-10	3.87E-10	2.39E-09	2.05E-09	4.44E-09
469	652488.4	4194125	2.27E-09	2.01E-09	4.28E-09	3.77E-10	3.49E-10	7.26E-10	2.07E-10	1.73E-10	3.81E-10	2.35E-09	2.02E-09	4.36E-09
470	652499.1	4194157	2.22E-09	1.97E-09	4.19E-09	3.69E-10	3.41E-10	7.10E-10	2.03E-10	1.69E-10	3.72E-10	2.30E-09	1.97E-09	4.27E-09
471	652509.8	4194189	2.17E-09	1.92E-09	4.08E-09	3.59E-10	3.33E-10	6.92E-10	1.98E-10	1.65E-10	3.63E-10	2.24E-09	1.92E-09	4.16E-09
472	652520.5	4194220	2.11E-09	1.86E-09	3.97E-09	3.49E-10	3.23E-10	6.72E-10	1.92E-10	1.60E-10	3.53E-10	2.17E-09	1.87E-09	4.04E-09
473	652531.2	4194252	2.04E-09	1.80E-09	3.84E-09	3.38E-10	3.13E-10	6.51E-10	1.86E-10	1.55E-10	3.41E-10	2.10E-09	1.81E-09	3.91E-09
474	652541.9	4194284	1.97E-09	1.74E-09	3.71E-09	3.26E-10	3.02E-10	6.28E-10	1.80E-10	1.50E-10	3.30E-10	2.03E-09	1.75E-09	3.78E-09
475	652552.5	4194315	1.89E-09	1.68E-09	3.57E-09	3.14E-10	2.91E-10	6.05E-10	1.73E-10	1.44E-10	3.17E-10	1.96E-09	1.68E-09	3.64E-09
476	652563.2	4194347	1.82E-09	1.61E-09	3.43E-09	3.02E-10	2.79E-10	5.81E-10	1.66E-10	1.39E-10	3.05E-10	1.88E-09	1.61E-09	3.49E-09
477	652570.4	4194368	1.77E-09	1.57E-09	3.34E-09	2.94E-10	2.72E-10	5.65E-10	1.62E-10	1.35E-10	2.96E-10	1.83E-09	1.57E-09	3.40E-09
478	652581	4194400	1.70E-09	1.50E-09	3.20E-09	2.82E-10	2.61E-10	5.42E-10	1.55E-10	1.29E-10	2.84E-10	1.75E-09	1.51E-09	3.26E-09
479	652591.7	4194432	1.63E-09	1.44E-09	3.07E-09	2.70E-10	2.50E-10	5.20E-10	1.49E-10	1.24E-10	2.73E-10	1.68E-09	1.45E-09	3.13E-09
480	652598.8	4194453	1.59E-09	1.40E-09	2.99E-09	2.63E-10	2.43E-10	5.06E-10	1.45E-10	1.21E-10	2.65E-10	1.64E-09	1.41E-09	3.04E-09
481	652609.5	4194485	1.52E-09	1.35E-09	2.87E-09	2.53E-10	2.34E-10	4.87E-10	1.39E-10	1.16E-10	2.55E-10	1.57E-09	1.35E-09	2.93E-09
482	652620.2	4194516	1.47E-09	1.30E-09	2.77E-09	2.43E-10	2.25E-10	4.69E-10	1.34E-10	1.12E-10	2.46E-10	1.52E-09	1.30E-09	2.82E-09
483	652630.9	4194548	1.42E-09	1.26E-09	2.67E-09	2.35E-10	2.18E-10	4.53E-10	1.30E-10	1.08E-10	2.38E-10	1.47E-09	1.26E-09	2.72E-09
484	652571.6	4193780	1.71E-09	1.52E-09	3.23E-09	2.84E-10	2.63E-10	5.47E-10	1.56E-10	1.31E-10	2.87E-10	1.77E-09	1.52E-09	3.29E-09
485	652582.4	4193813	1.75E-09	1.54E-09	3.29E-09	2.89E-10	2.68E-10	5.57E-10	1.59E-10	1.33E-10	2.92E-10	1.80E-09	1.55E-09	3.35E-09
486	652589.6	4193834	1.76E-09	1.56E-09	3.32E-09	2.92E-10	2.71E-10	5.63E-10	1.61E-10	1.34E-10	2.95E-10	1.82E-09	1.56E-09	3.38E-09
487	652600.4	4193866	1.78E-09	1.57E-09	3.35E-09	2.95E-10	2.73E-10	5.68E-10	1.62E-10	1.35E-10	2.98E-10	1.84E-09	1.58E-09	3.41E-09
488	652611.2	4193898	1.78E-09	1.58E-09	3.36E-09	2.95E-10	2.74E-10	5.69E-10	1.63E-10	1.36E-10	2.98E-10	1.84E-09	1.58E-09	3.42E-09
489	652618.4	4193919	1.78E-09	1.57E-09	3.35E-09	2.95E-10	2.73E-10	5.68E-10	1.62E-10	1.36E-10	2.98E-10	1.84E-09	1.58E-09	3.41E-09
490	652629.2	4193951	1.77E-09	1.56E-09	3.33E-09	2.93E-10	2.71E-10	5.64E-10	1.61E-10	1.35E-10	2.96E-10	1.82E-09	1.57E-09	3.39E-09
491	652640	4193984	1.75E-09	1.55E-09	3.29E-09	2.90E-10	2.68E-10	5.58E-10	1.59E-10	1.33E-10	2.93E-10	1.80E-09	1.55E-09	3.35E-09
492	652650.8	4194016	1.72E-09	1.52E-09	3.24E-09	2.85E-10	2.64E-10	5.49E-10	1.57E-10	1.31E-10	2.88E-10	1.78E-09	1.53E-09	3.30E-09
493	652658	4194037	1.70E-09	1.50E-09	3.21E-09	2.82E-10	2.61E-10	5.43E-10	1.55E-10	1.30E-10	2.85E-10	1.76E-09	1.51E-09	3.27E-09
494	652668.8	4194069	1.67E-09	1.48E-09	3.14E-09	2.77E-10	2.56E-10	5.33E-10	1.52E-10	1.27E-10	2.79E-10	1.72E-09	1.48E-09	3.20E-09
495	652679.6	4194101	1.63E-09	1.44E-09	3.08E-09	2.71E-10	2.51E-10	5.21E-10	1.49E-10	1.24E-10	2.73E-10	1.68E-09	1.45E-09	3.13E-09
496	652686.8	4194122	1.61E-09	1.42E-09	3.03E-09	2.66E-10	2.47E-10	5.13E-10	1.47E-10	1.22E-10	2.69E-10	1.66E-09	1.42E-09	3.08E-09
497	652697.6	4194154	1.57E-09	1.38E-09	2.95E-09	2.59E-10	2.40E-10	5.00E-10	1.43E-10	1.19E-10	2.62E-10	1.62E-09	1.39E-09	3.00E-09
498	652708.4	4194187	1.52E-09	1.35E-09	2.87E-09	2.52E-10	2.34E-10	4.86E-10	1.39E-10	1.16E-10	2.55E-10	1.57E-09	1.35E-09	2.92E-09
499	652715.6	4194208	1.49E-09	1.32E-09	2.81E-09	2.47E-10	2.29E-10	4.76E-10	1.36E-10	1.14E-10	2.50E-10	1.54E-09	1.32E-09	2.86E-09
500	652726.4	4194240	1.44E-09	1.28E-09	2.72E-09	2.39E-10	2.22E-10	4.61E-10	1.32E-10	1.10E-10	2.42E-10	1.49E-09	1.28E-09	2.77E-09
501	652737.2	4194272	1.39E-09	1.23E-09	2.63E-09	2.31E-10	2.14E-10	4.45E-10	1.27E-10	1.06E-10	2.33E-10	1.44E-09	1.24E-09	2.68E-09
502	652744.4	4194293	1.36E-09	1.20E-09	2.57E-09	2.26E-10	2.09E-10	4.35E-10	1.24E-10	1.04E-10	2.28E-10	1.41E-09	1.21E-09	2.61E-09
503	652755.2	4194325	1.31E-09	1.16E-09	2.47E-09	2.18E-10	2.02E-10	4.19E-10	1.20E-10	1.00E-10	2.20E-10	1.36E-09	1.16E-09	2.52E-09
504	652762.4	4194347	1.28E-09	1.13E-09	2.42E-09	2.12E-10	1.97E-10	4.09E-10	1.17E-10	9.77E-11	2.15E-10	1.32E-09	1.14E-09	2.46E-09
505	652773.2	4194379	1.24E-09	1.09E-09	2.33E-09	2.05E-10	1.90E-10	3.95E-10	1.13E-10	9.42E-11	2.07E-10	1.28E-09	1.10E-09	2.37E-09
506	652784	4194411	1.19E-09	1.06E-09	2.25E-09	1.98E-10	1.83E-10	3.81E-10	1.09E-10	9.10E-11	2.00E-10	1.23E-09	1.06E-09	2.29E-09
507	652791.2	4194432	1.17E-09	1.03E-09	2.20E-09	1.94E-10	1.79E-10	3.73E-10	1.07E-10	8.89E-11	1.95E-10	1.21E-09	1.04E-09	2.24E-09
508	652802	4194464	1.13E-09	1.00E-09	2.13E-09	1.87E-10	1.74E-10	3.61E-10	1.03E-10	8.61E-11	1.89E-10	1.17E-09	1.00E-09	2.17E-09
509	652812.8	4194496	1.10E-09	9.70E-10	2.07E-09	1.82E-10	1.68E-10	3.50E-10	1.00E-10	8.36E-11	1.84E-10	1.13E-09	9.73E-10	2.11E-09
510	652820	4194518	1.08E-09	9.52E-10	2.03E-09	1.78E-10	1.65E-10	3.44E-10	9.83E-11	8.20E-11	1.80E-10	1.11E-09	9.55E-10	2.07E-09
511	652830.8	4194550	1.05E-09	9.28E-10	1.98E-09	1.74E-10	1.61E-10	3.35E-10	9.58E-11	8.00E-11	1.76E-10	1.08E-09	9.31E-10	2.01E-09
512	652729.5	4193658	1.35E-09	1.20E-09	2.55E-09	2.24E-10	2.08E-10	4.32E-10	1.23E-10	1.03E-10	2.26E-10	1.40E-09	1.20E-09	2.60E-09
513	652740.2	4193690	1.38E-09	1.22E-09	2.59E-09	2.28E-10	2.11E-10	4.39E-10	1.26E-10	1.05E-10	2.30E-10	1.42E-09	1.22E-09	2.64E-09
514	652751	4193722	1.39E-09	1.23E-09	2.62E-09	2.31E-10	2.14E-10	4.45E-10	1.27E-10	1.06E-10	2.33E-10	1.44E-09	1.24E-09	2.67E-09
515	652758.2	4193743	1.40E-09	1.24E-09	2.64E-09	2.32E-10	2.15E-10	4.47E-10	1.28E-10	1.07E-10	2.34E-10	1.45E-09	1.24E-09	2.69E-09
516	652768.9	4193775	1.41E-09	1.24E-09	2.65E-09	2.33E-10	2.16E-10	4.49E-10	1.28E-10	1.07E-10	2.35E-10	1.45E-09	1.25E-09	2.70E-09
517	652779.7	4193807	1.40E-09	1.24E-09	2.64E-09	2.32E-10	2.15E-10	4.48E-10	1.28E-10	1.07E-10	2.35E-10	1.45E-09	1.24E-09	2.69E-09
518	652790.5	4193839	1.39E-09	1.23E-09	2.62E-09	2.31E-10	2.14E-10	4.45E-10	1.27E-10	1.06E-10	2.33E-10	1.44E-09	1.24E-09	2.67E-09
519	652801.2	4193871	1.38E-09	1.22E-09	2.60E-09	2.28E-10	2.11E-10	4.40E-10	1.26E-10	1.05E-10	2.31E-10	1.42E-09	1.22E-09	2.64E-09
520	652812	4193903	1.36E-09	1.20E-09	2.56E-09	2.25E-10	2.09E-10	4.34E-10	1.24E-10	1.03E-10	2.27E-10	1.40E-09	1.20E-09	2.61E-09
521	652819.2	4193924	1.34E-09	1.19E-09	2.53E-09	2.23E-10	2.06E-10	4.29E-10	1.23E-10	1.02E-10	2.25E-10	1.39E-09	1.19E-09	2.58E-09
522	652829.9	4193956	1.32E-09	1.17E-09	2.49E-09	2.19E-10	2.03E-10	4.22E-10	1.21E-10	1.01E-10	2.21E-10	1.36E-09	1.17E-09	2.54E-09
523	652837.1	4193977	1.31E-09	1.16E-09	2.46E-09	2.17E-10	2.01E-10	4.17E-10	1.19E-10	9.96E-11	2.19E-10	1.35E-09	1.16E-09	2.51E-09
524	652847.9	4194009	1.28E-09	1.13E-09	2.42E-09	2.13E-10	1.97E-10	4.09E-10	1.17E-10	9.77E-11	2.15E-10	1.32E-09	1.14E-09	2.46E-09
525	652858.6	4194041	1.26E-09	1.11E-09	2.37E-09	2.08E-10	1.93E-10	4.02E-10	1.15E-10	9.58E-11	2.11E-10	1.30E-09	1.12E-09	2.41E-09
526	652869.4	4194073	1.23E-09	1.09E-09	2.32E-09	2.04E-10	1.89E-10	3.93E-10	1.12E-10	9.38E-11	2.06E-10	1.27E-09	1.09E-09	2.36E-09
527	652880.1	4194105	1.20E-09	1.06E-09	2.26E-09	1.99E-10	1.84E-10	3.84E-10	1.10E-10	9.15E-11	2.01E-10	1.24E-09	1.07E-09	2.31E-09
528	652890.9	4194137	1.17E-09	1.04E-09	2.21E-09	1.94E-10	1.80E-10	3.74E-10	1.07E-10	8.92E-11	1.96E-10	1.21E-09	1.04E-09	2.25E-09
529	652898.1	4194158	1.15E-09	1.02E-09	2.16E-09	1.90E-10	1.76E-10	3.67E-10	1.05E-10	8.75E-11	1.92E-10	1.19E-09	1.02E-09	2.20E-09
530	652908.8	4194190	1.12E-09	9.87E-10	2.10E-09	1.85E-10	1.71E-10	3.56E-10	1.02E-10	8.51E-11	1.87E-10	1.15E-09	9.90E-10	2.14E-09
531	652916	4194211	1.09E-09	9.67E-10	2.06E-09	1.81E-10	1.68E-10	3.49E-10	9.98E-11	8.33E-11	1.83E-10	1.13E-09	9.70E-10	2.10E-09
532	652926.8	4194243	1.06E-09	9.38E-10	2.00E-09	1.76E-10	1.63E-10	3.38E-10	9.67E-11	8.08E-11	1.78E-10	1.09E-09	9.40E-10	2.03E-09
533	652933.9	4194265	1.04E-09	9.18E-10	1.96E-09	1.72E-10	1.59E-10	3.31E-10	9.47E-11	7.91E-11	1.74E-10	1.07E-09	9.21E-10	1.99E-09
534	652944.7	4194297	1.01E-09	8.89E-10	1.89E-09	1.67E-10	1.54E-10	3.21E-10	9.17E-11	7.66E-11	1.68E-10	1.04E-09	8.92E-10	1.93E-09
535	652951.9	4194318	9.85E-10	8.71E-10	1.86E-09	1.63E-10	1.51E-10	3.14E-10	8.99E-11	7.50E-11	1.65E-10	1.02E-09	8.74E-10	1.89E-09

536	652962.6	4194350	9.55E-10	8.45E-10	1.80E-09	1.58E-10	1.47E-10	3.05E-10	8.72E-11	7.28E-11	1.60E-10	9.86E-10	8.47E-10	1.83E-09
537	652973.4	4194382	9.28E-10	8.21E-10	1.75E-09	1.54E-10	1.42E-10	2.96E-10	8.47E-11	7.07E-11	1.55E-10	9.58E-10	8.23E-10	1.78E-09
538	652984.2	4194414	9.03E-10	7.99E-10	1.70E-09	1.50E-10	1.39E-10	2.88E-10	8.24E-11	6.88E-11	1.51E-10	9.32E-10	8.01E-10	1.73E-09
539	652991.3	4194435	8.87E-10	7.85E-10	1.67E-09	1.47E-10	1.36E-10	2.83E-10	8.10E-11	6.76E-11	1.49E-10	9.16E-10	7.87E-10	1.70E-09
540	652998.5	4194456	8.73E-10	7.72E-10	1.64E-09	1.45E-10	1.34E-10	2.79E-10	7.96E-11	6.65E-11	1.46E-10	9.01E-10	7.74E-10	1.67E-09
541	653009.3	4194488	8.52E-10	7.54E-10	1.61E-09	1.41E-10	1.31E-10	2.72E-10	7.78E-11	6.49E-11	1.43E-10	8.80E-10	7.56E-10	1.64E-09
542	653016.4	4194510	8.40E-10	7.43E-10	1.58E-09	1.39E-10	1.29E-10	2.68E-10	7.66E-11	6.40E-11	1.41E-10	8.67E-10	7.45E-10	1.61E-09
543	653023.6	4194531	8.29E-10	7.33E-10	1.56E-09	1.37E-10	1.27E-10	2.65E-10	7.56E-11	6.31E-11	1.39E-10	8.55E-10	7.35E-10	1.59E-09
544	653034.4	4194563	8.13E-10	7.19E-10	1.53E-09	1.35E-10	1.25E-10	2.60E-10	7.42E-11	6.20E-11	1.36E-10	8.39E-10	7.21E-10	1.56E-09
545	651590.1	4194477	4.77E-08	4.21E-08	8.98E-08	7.90E-09	7.31E-09	1.52E-08	4.35E-09	3.63E-09	7.98E-09	4.92E-08	4.23E-08	9.14E-08
546	651607.8	4194492	5.05E-08	4.46E-08	9.51E-08	8.37E-09	7.75E-09	1.61E-08	4.61E-09	3.85E-09	8.45E-09	5.21E-08	4.48E-08	9.69E-08
547	651615.3	4194434	3.22E-08	2.84E-08	6.06E-08	5.33E-09	4.94E-09	1.03E-08	2.93E-09	2.45E-09	5.38E-09	3.32E-08	2.85E-08	6.17E-08
548	651634.2	4194450	3.45E-08	3.05E-08	6.50E-08	5.72E-09	5.30E-09	1.10E-08	3.15E-09	2.63E-09	5.78E-09	3.56E-08	3.06E-08	6.62E-08
549	651639.7	4194390	2.30E-08	2.04E-08	4.34E-08	3.82E-09	3.54E-09	7.36E-09	2.10E-09	1.76E-09	3.86E-09	2.38E-08	2.04E-08	4.42E-08
550	651657.3	4194405	2.47E-08	2.19E-08	4.66E-08	4.10E-09	3.80E-09	7.90E-09	2.26E-09	1.89E-09	4.14E-09	2.55E-08	2.19E-08	4.75E-08
551	651675	4194421	2.59E-08	2.29E-08	4.88E-08	4.29E-09	3.97E-09	8.26E-09	2.36E-09	1.97E-09	4.33E-09	2.67E-08	2.29E-08	4.97E-08
552	651664.7	4194347	1.73E-08	1.53E-08	3.26E-08	2.87E-09	2.66E-09	5.53E-09	1.58E-09	1.32E-09	2.90E-09	1.79E-08	1.54E-08	3.32E-08
553	651683.1	4194363	1.86E-08	1.65E-08	3.51E-08	3.09E-09	2.86E-09	5.95E-09	1.70E-09	1.42E-09	3.12E-09	1.92E-08	1.65E-08	3.58E-08
554	651701.5	4194379	1.96E-08	1.74E-08	3.70E-08	3.26E-09	3.01E-09	6.27E-09	1.79E-09	1.50E-09	3.29E-09	2.03E-08	1.74E-08	3.77E-08
555	651719.8	4194395	2.02E-08	1.79E-08	3.81E-08	3.35E-09	3.10E-09	6.46E-09	1.85E-09	1.54E-09	3.39E-09	2.09E-08	1.79E-08	3.88E-08
556	651689.7	4194304	1.35E-08	1.19E-08	2.54E-08	2.23E-09	2.07E-09	4.30E-09	1.23E-09	1.03E-09	2.25E-09	1.39E-08	1.19E-08	2.58E-08
557	651708.6	4194320	1.45E-08	1.28E-08	2.73E-08	2.40E-09	2.23E-09	4.63E-09	1.32E-09	1.10E-09	2.43E-09	1.50E-08	1.29E-08	2.78E-08
558	651727.5	4194336	1.53E-08	1.36E-08	2.89E-08	2.54E-09	2.35E-09	4.89E-09	1.40E-09	1.17E-09	2.57E-09	1.58E-08	1.36E-08	2.94E-08
559	651746.4	4194353	1.59E-08	1.41E-08	3.00E-08	2.64E-09	2.44E-09	5.08E-09	1.45E-09	1.21E-09	2.66E-09	1.64E-08	1.41E-08	3.05E-08
560	651765.2	4194369	1.62E-08	1.43E-08	3.05E-08	2.69E-09	2.49E-09	5.17E-09	1.48E-09	1.23E-09	2.71E-09	1.67E-08	1.44E-08	3.11E-08
561	651739.1	4194217	8.73E-09	7.72E-09	1.65E-08	1.45E-09	1.34E-09	2.79E-09	7.97E-10	6.65E-10	1.46E-09	9.01E-09	7.75E-09	1.68E-08
562	651757.7	4194233	9.35E-09	8.27E-09	1.76E-08	1.55E-09	1.44E-09	2.99E-09	8.53E-10	7.13E-10	1.57E-09	9.65E-09	8.30E-09	1.80E-08
563	651776.3	4194249	9.90E-09	8.75E-09	1.87E-08	1.64E-09	1.52E-09	3.16E-09	9.03E-10	7.54E-10	1.66E-09	1.02E-08	8.78E-09	1.90E-08
564	651794.8	4194265	1.04E-08	9.16E-09	1.95E-08	1.72E-09	1.59E-09	3.31E-09	9.45E-10	7.89E-10	1.73E-09	1.07E-08	9.18E-09	1.99E-08
565	651813.4	4194281	1.07E-08	9.46E-09	2.02E-08	1.77E-09	1.64E-09	3.42E-09	9.76E-10	8.15E-10	1.79E-09	1.10E-08	9.49E-09	2.05E-08
566	651831.9	4194297	1.09E-08	9.66E-09	2.06E-08	1.81E-09	1.68E-09	3.49E-09	9.96E-10	8.32E-10	1.83E-09	1.13E-08	9.69E-09	2.10E-08
567	651788.9	4194130	6.11E-09	5.40E-09	1.15E-08	1.01E-09	9.38E-10	1.95E-09	5.58E-10	4.66E-10	1.02E-09	6.31E-09	5.42E-09	1.17E-08
568	651808.1	4194147	6.52E-09	5.77E-09	1.23E-08	1.08E-09	1.00E-09	2.08E-09	5.95E-10	4.97E-10	1.09E-09	6.73E-09	5.78E-09	1.25E-08
569	651827.2	4194163	6.89E-09	6.09E-09	1.30E-08	1.14E-09	1.06E-09	2.20E-09	6.29E-10	5.25E-10	1.15E-09	7.11E-09	6.11E-09	1.32E-08
570	651846.4	4194180	7.22E-09	6.39E-09	1.36E-08	1.20E-09	1.11E-09	2.31E-09	6.59E-10	5.50E-10	1.21E-09	7.45E-09	6.40E-09	1.39E-08
571	651865.6	4194196	7.50E-09	6.63E-09	1.41E-08	1.24E-09	1.15E-09	2.39E-09	6.84E-10	5.71E-10	1.26E-09	7.74E-09	6.65E-09	1.44E-08
572	651884.7	4194213	7.72E-09	6.82E-09	1.45E-08	1.28E-09	1.18E-09	2.46E-09	7.04E-10	5.88E-10	1.29E-09	7.96E-09	6.84E-09	1.48E-08
573	651903.9	4194230	7.86E-09	6.95E-09	1.48E-08	1.30E-09	1.21E-09	2.51E-09	7.18E-10	5.99E-10	1.32E-09	8.12E-09	6.98E-09	1.51E-08
574	651923.1	4194246	7.94E-09	7.02E-09	1.50E-08	1.32E-09	1.22E-09	2.53E-09	7.24E-10	6.05E-10	1.33E-09	8.19E-09	7.04E-09	1.52E-08
575	651838.4	4194043	4.51E-09	3.99E-09	8.49E-09	7.47E-10	6.92E-10	1.44E-09	4.11E-10	3.43E-10	7.54E-10	4.65E-09	4.00E-09	8.65E-09
576	651857.3	4194059	4.78E-09	4.22E-09	9.00E-09	7.92E-10	7.33E-10	1.52E-09	4.36E-10	3.64E-10	8.00E-10	4.93E-09	4.24E-09	9.17E-09
577	651876.2	4194076	5.03E-09	4.45E-09	9.48E-09	8.33E-10	7.72E-10	1.61E-09	4.59E-10	3.83E-10	8.42E-10	5.19E-09	4.46E-09	9.65E-09
578	651895	4194092	5.26E-09	4.65E-09	9.91E-09	8.72E-10	8.07E-10	1.68E-09	4.80E-10	4.01E-10	8.81E-10	5.43E-09	4.67E-09	1.01E-08
579	651913.9	4194109	5.47E-09	4.83E-09	1.03E-08	9.06E-10	8.39E-10	1.75E-09	4.99E-10	4.17E-10	9.15E-10	5.64E-09	4.85E-09	1.05E-08
580	651932.8	4194125	5.65E-09	4.99E-09	1.06E-08	9.36E-10	8.67E-10	1.80E-09	5.15E-10	4.30E-10	9.46E-10	5.83E-09	5.01E-09	1.08E-08
581	651951.7	4194141	5.80E-09	5.13E-09	1.09E-08	9.61E-10	8.90E-10	1.85E-09	5.29E-10	4.42E-10	9.70E-10	5.98E-09	5.14E-09	1.11E-08
582	651970.6	4194158	5.91E-09	5.22E-09	1.11E-08	9.79E-10	9.07E-10	1.89E-09	5.39E-10	4.50E-10	9.89E-10	6.10E-09	5.24E-09	1.13E-08
583	651989.5	4194174	5.98E-09	5.29E-09	1.13E-08	9.91E-10	9.18E-10	1.91E-09	5.46E-10	4.56E-10	1.00E-09	6.17E-09	5.30E-09	1.15E-08
584	651888.1	4193956	3.47E-09	3.07E-09	6.53E-09	5.75E-10	5.32E-10	1.11E-09	3.16E-10	2.64E-10	5.80E-10	3.58E-09	3.07E-09	6.65E-09
585	651907.4	4193973	3.66E-09	3.24E-09	6.90E-09	6.07E-10	5.62E-10	1.17E-09	3.34E-10	2.79E-10	6.13E-10	3.78E-09	3.25E-09	7.02E-09
586	651926.6	4193990	3.84E-09	3.40E-09	7.24E-09	6.37E-10	5.90E-10	1.23E-09	3.50E-10	2.93E-10	6.43E-10	3.96E-09	3.41E-09	7.37E-09
587	651945.9	4194007	4.01E-09	3.55E-09	7.56E-09	6.65E-10	6.16E-10	1.28E-09	3.66E-10	3.06E-10	6.72E-10	4.14E-09	3.56E-09	7.70E-09
588	651965.2	4194023	4.17E-09	3.69E-09	7.85E-09	6.91E-10	6.40E-10	1.33E-09	3.80E-10	3.18E-10	6.98E-10	4.30E-09	3.70E-09	8.00E-09
589	651984.5	4194040	4.31E-09	3.81E-09	8.12E-09	7.14E-10	6.61E-10	1.38E-09	3.93E-10	3.28E-10	7.21E-10	4.45E-09	3.82E-09	8.27E-09
590	652003.8	4194057	4.43E-09	3.92E-09	8.35E-09	7.34E-10	6.80E-10	1.41E-09	4.04E-10	3.38E-10	7.42E-10	4.57E-09	3.93E-09	8.50E-09
591	652023.1	4194073	4.53E-09	4.01E-09	8.54E-09	7.51E-10	6.96E-10	1.45E-09	4.13E-10	3.45E-10	7.59E-10	4.68E-09	4.02E-09	8.70E-09
592	652042.3	4194090	4.61E-09	4.08E-09	8.69E-09	7.65E-10	7.08E-10	1.47E-09	4.21E-10	3.51E-10	7.72E-10	4.76E-09	4.09E-09	8.85E-09
593	652061.6	4194107	4.67E-09	4.13E-09	8.80E-09	7.74E-10	7.17E-10	1.49E-09	4.26E-10	3.56E-10	7.82E-10	4.82E-09	4.14E-09	8.96E-09
594	652080.9	4194124	4.70E-09	4.16E-09	8.86E-09	7.79E-10	7.21E-10	1.50E-09	4.29E-10	3.58E-10	7.87E-10	4.85E-09	4.17E-09	9.02E-09
595	651987.2	4193783	2.24E-09	1.98E-09	4.23E-09	3.72E-10	3.44E-10	7.16E-10	2.05E-10	1.71E-10	3.75E-10	2.31E-09	1.99E-09	4.30E-09
596	652006.6	4193799	2.35E-09	2.08E-09	4.43E-09	3.89E-10	3.61E-10	7.50E-10	2.14E-10	1.79E-10	3.93E-10	2.42E-09	2.08E-09	4.51E-09
597	652025.9	4193816	2.45E-09	2.17E-09	4.62E-09	4.06E-10	3.76E-10	7.82E-10	2.24E-10	1.87E-10	4.10E-10	2.53E-09	2.17E-09	4.70E-09
598	652045.3	4193833	2.55E-09	2.25E-09	4.80E-09	4.22E-10	3.91E-10	8.13E-10	2.32E-10	1.94E-10	4.26E-10	2.63E-09	2.26E-09	4.89E-09
599	652064.6	4193850	2.64E-09	2.33E-09	4.97E-09	4.37E-10	4.05E-10	8.42E-10	2.41E-10	2.01E-10	4.42E-10	2.72E-09	2.34E-09	5.06E-09
600	652084	4193867	2.72E-09	2.41E-09	5.13E-09	4.51E-10	4.18E-10	8.69E-10	2.48E-10	2.07E-10	4.56E-10	2.81E-09	2.41E-09	5.23E-09
601	652103.3	4193883	2.80E-09	2.48E-09	5.28E-09	4.64E-10	4.30E-10	8.94E-10	2.55E-10	2.13E-10	4.69E-10	2.89E-09	2.48E-09	5.37E-09
602	652122.7	4193900	2.87E-09	2.54E-09	5.41E-09	4.76E-10	4.41E-10	9.17E-10	2.62E-10	2.19E-10	4.81E-10	2.96E-09	2.55E-09	5.51E-09
603	652142	4193917	2.94E-09	2.60E-09	5.53E-09	4.87E-10	4.51E-10	9.37E-10	2.68E-10	2.24E-10	4.92E-10	3.03E-09	2.60E-09	5.63E-09
604	652161.4	4193934	2.99E-09	2.65E-09	5.64E-09	4.96E-10	4.59E-10	9.55E-10	2.73E-10	2.28E-10	5.01E-10	3.09E-09	2.65E-09	5.74E-09
605	652180.7	4193950	3.04E-09	2.69E-09	5.73E-09	5.04E-10	4.67E-10	9.71E-10	2.77E-10	2.32E-10	5.09E-10	3.14E-09	2.70E-09	5.84E-09
606	652200.1	4193967	3.08E-09	2.72E-09	5.80E-09	5.11E-10	4.73E-10	9.84E-10	2.81E-10	2.35E-10	5.16E-10	3.18E-09	2.73E-09	5.91E-09
607	652219.4	4193984	3.11E-09	2.75E-09	5.86E-09	5.15E-10	4.77E-10	9.93E-10	2.84E-10	2.37E-10	5.21E-10	3.21E-09	2.76E-09	5.97E-09
608	652238.8	4194001	3.12E-09	2.76E-09	5.88E-09	5.17E-10	4.79E-10	9.97E-10	2.85E-10	2.38E-10	5.23E-10	3.22E-09	2.77E-09	5.99E-09
609	652086.2	4193609	1.58E-09	1.40E-09	2.98E-09	2.62E-10	2.42E-10	5.04E-10	1.44E-10	1.20E-10	2.64E-10	1.63E-09	1.40E-09	3.03E-09
610	652105.2	4193625	1.64E-09	1.45E-09	3.09E-09	2.72E-10	2.52E-10	5.24E-10	1.50E-10	1.25E-10	2.75E-10	1.69E-09	1.46E-09	3.15E-09
611	652124.3	4193642	1.70E-09	1.51E-09	3.21E-09	2.82E-10	2.61E-10	5.44E-10	1.55E-10	1.30E-10	2.85E-10	1.76E-09	1.51E-09	3.27E-09
612	652143.3	4193658	1.76E-09	1.56E-09	3.32E-09	2.92E-10	2.71E-10	5.63E-10	1.61E-10	1.34E-10	2.95E-10	1.82E-09	1.56E-09	3.38E-09

613	652162.3	4193675	1.82E-09	1.61E-09	3.43E-09	3.01E-10	2.79E-10	5.81E-10	1.66E-10	1.39E-10	3.05E-10	1.88E-09	1.61E-09	3.49E-09
614	652181.3	4193691	1.87E-09	1.65E-09	3.53E-09	3.10E-10	2.87E-10	5.97E-10	1.71E-10	1.43E-10	3.13E-10	1.93E-09	1.66E-09	3.59E-09
615	652200.3	4193708	1.92E-09	1.70E-09	3.62E-09	3.18E-10	2.95E-10	6.13E-10	1.75E-10	1.46E-10	3.22E-10	1.98E-09	1.70E-09	3.69E-09
616	652219.3	4193724	1.97E-09	1.74E-09	3.71E-09	3.26E-10	3.02E-10	6.28E-10	1.80E-10	1.50E-10	3.29E-10	2.03E-09	1.75E-09	3.78E-09
617	652238.3	4193741	2.01E-09	1.78E-09	3.79E-09	3.33E-10	3.09E-10	6.42E-10	1.83E-10	1.53E-10	3.37E-10	2.07E-09	1.78E-09	3.86E-09
618	652257.4	4193757	2.05E-09	1.81E-09	3.86E-09	3.40E-10	3.15E-10	6.54E-10	1.87E-10	1.56E-10	3.43E-10	2.12E-09	1.82E-09	3.93E-09
619	652276.4	4193774	2.09E-09	1.85E-09	3.93E-09	3.46E-10	3.20E-10	6.66E-10	1.90E-10	1.59E-10	3.49E-10	2.15E-09	1.85E-09	4.00E-09
620	652295.4	4193790	2.12E-09	1.88E-09	4.00E-09	3.51E-10	3.26E-10	6.77E-10	1.93E-10	1.62E-10	3.55E-10	2.19E-09	1.88E-09	4.07E-09
621	652314.4	4193807	2.15E-09	1.90E-09	4.05E-09	3.57E-10	3.30E-10	6.87E-10	1.96E-10	1.64E-10	3.60E-10	2.22E-09	1.91E-09	4.13E-09
622	652333.4	4193823	2.18E-09	1.93E-09	4.11E-09	3.61E-10	3.34E-10	6.96E-10	1.99E-10	1.66E-10	3.65E-10	2.25E-09	1.93E-09	4.18E-09
623	652352.4	4193840	2.20E-09	1.95E-09	4.15E-09	3.65E-10	3.38E-10	7.03E-10	2.01E-10	1.68E-10	3.69E-10	2.27E-09	1.95E-09	4.23E-09
624	652371.4	4193856	2.22E-09	1.96E-09	4.18E-09	3.68E-10	3.41E-10	7.09E-10	2.03E-10	1.69E-10	3.72E-10	2.29E-09	1.97E-09	4.26E-09
625	652390.5	4193873	2.23E-09	1.97E-09	4.21E-09	3.70E-10	3.43E-10	7.13E-10	2.04E-10	1.70E-10	3.74E-10	2.30E-09	1.98E-09	4.28E-09
626	652185.4	4193435	1.18E-09	1.04E-09	2.22E-09	1.96E-10	1.81E-10	3.77E-10	1.08E-10	9.00E-11	1.98E-10	1.22E-09	1.05E-09	2.27E-09
627	652204.5	4193452	1.22E-09	1.08E-09	2.30E-09	2.03E-10	1.88E-10	3.90E-10	1.12E-10	9.31E-11	2.05E-10	1.26E-09	1.08E-09	2.35E-09
628	652223.6	4193468	1.26E-09	1.12E-09	2.38E-09	2.09E-10	1.94E-10	4.03E-10	1.15E-10	9.62E-11	2.11E-10	1.30E-09	1.12E-09	2.42E-09
629	652242.7	4193485	1.30E-09	1.15E-09	2.45E-09	2.16E-10	2.00E-10	4.16E-10	1.19E-10	9.92E-11	2.18E-10	1.34E-09	1.15E-09	2.50E-09
630	652261.8	4193501	1.34E-09	1.18E-09	2.52E-09	2.22E-10	2.06E-10	4.28E-10	1.22E-10	1.02E-10	2.24E-10	1.38E-09	1.19E-09	2.57E-09
631	652280.9	4193518	1.38E-09	1.22E-09	2.59E-09	2.28E-10	2.11E-10	4.39E-10	1.26E-10	1.05E-10	2.30E-10	1.42E-09	1.22E-09	2.64E-09
632	652300	4193535	1.41E-09	1.25E-09	2.66E-09	2.34E-10	2.17E-10	4.50E-10	1.29E-10	1.07E-10	2.36E-10	1.46E-09	1.25E-09	2.71E-09
633	652319.1	4193551	1.44E-09	1.28E-09	2.72E-09	2.39E-10	2.22E-10	4.61E-10	1.32E-10	1.10E-10	2.42E-10	1.49E-09	1.28E-09	2.77E-09
634	652338.2	4193568	1.47E-09	1.30E-09	2.78E-09	2.44E-10	2.26E-10	4.70E-10	1.34E-10	1.12E-10	2.47E-10	1.52E-09	1.31E-09	2.83E-09
635	652357.3	4193584	1.50E-09	1.33E-09	2.83E-09	2.49E-10	2.30E-10	4.79E-10	1.37E-10	1.14E-10	2.51E-10	1.55E-09	1.33E-09	2.88E-09
636	652376.4	4193601	1.53E-09	1.35E-09	2.88E-09	2.53E-10	2.34E-10	4.88E-10	1.39E-10	1.16E-10	2.56E-10	1.58E-09	1.35E-09	2.93E-09
637	652395.5	4193617	1.55E-09	1.37E-09	2.92E-09	2.57E-10	2.38E-10	4.95E-10	1.42E-10	1.18E-10	2.60E-10	1.60E-09	1.38E-09	2.98E-09
638	652414.6	4193634	1.58E-09	1.39E-09	2.97E-09	2.61E-10	2.42E-10	5.03E-10	1.44E-10	1.20E-10	2.64E-10	1.63E-09	1.40E-09	3.02E-09
639	652433.7	4193650	1.60E-09	1.41E-09	3.01E-09	2.65E-10	2.45E-10	5.10E-10	1.46E-10	1.22E-10	2.67E-10	1.65E-09	1.42E-09	3.07E-09
640	652452.8	4193667	1.62E-09	1.43E-09	3.05E-09	2.68E-10	2.48E-10	5.17E-10	1.48E-10	1.23E-10	2.71E-10	1.67E-09	1.44E-09	3.10E-09
641	652471.9	4193684	1.64E-09	1.45E-09	3.08E-09	2.71E-10	2.51E-10	5.23E-10	1.49E-10	1.25E-10	2.74E-10	1.69E-09	1.45E-09	3.14E-09
642	652491	4193700	1.65E-09	1.46E-09	3.12E-09	2.74E-10	2.54E-10	5.28E-10	1.51E-10	1.26E-10	2.77E-10	1.71E-09	1.47E-09	3.17E-09
643	652510.1	4193717	1.67E-09	1.48E-09	3.15E-09	2.77E-10	2.57E-10	5.34E-10	1.53E-10	1.27E-10	2.80E-10	1.73E-09	1.48E-09	3.21E-09
644	652529.2	4193733	1.69E-09	1.49E-09	3.18E-09	2.79E-10	2.59E-10	5.38E-10	1.54E-10	1.28E-10	2.82E-10	1.74E-09	1.49E-09	3.23E-09
645	652548.3	4193750	1.69E-09	1.50E-09	3.19E-09	2.81E-10	2.60E-10	5.41E-10	1.55E-10	1.29E-10	2.84E-10	1.75E-09	1.50E-09	3.25E-09
646	652284.5	4193261	9.22E-10	8.15E-10	1.74E-09	1.53E-10	1.42E-10	2.94E-10	8.41E-11	7.03E-11	1.54E-10	9.52E-10	8.18E-10	1.77E-09
647	652303.7	4193278	9.51E-10	8.41E-10	1.79E-09	1.58E-10	1.46E-10	3.04E-10	8.67E-11	7.24E-11	1.59E-10	9.81E-10	8.43E-10	1.82E-09
648	652322.9	4193295	9.79E-10	8.66E-10	1.84E-09	1.62E-10	1.50E-10	3.13E-10	8.93E-11	7.46E-11	1.64E-10	1.01E-09	8.68E-10	1.88E-09
649	652342	4193311	1.01E-09	8.91E-10	1.90E-09	1.67E-10	1.55E-10	3.22E-10	9.19E-11	7.67E-11	1.69E-10	1.04E-09	8.93E-10	1.93E-09
650	652361.2	4193328	1.03E-09	9.15E-10	1.95E-09	1.71E-10	1.59E-10	3.30E-10	9.44E-11	7.88E-11	1.73E-10	1.07E-09	9.17E-10	1.98E-09
651	652380.4	4193345	1.06E-09	9.38E-10	2.00E-09	1.76E-10	1.63E-10	3.39E-10	9.68E-11	8.08E-11	1.78E-10	1.09E-09	9.41E-10	2.04E-09
652	652399.5	4193361	1.09E-09	9.60E-10	2.04E-09	1.80E-10	1.67E-10	3.46E-10	9.90E-11	8.27E-11	1.82E-10	1.12E-09	9.63E-10	2.08E-09
653	652418.7	4193378	1.11E-09	9.81E-10	2.09E-09	1.84E-10	1.70E-10	3.54E-10	1.01E-10	8.45E-11	1.86E-10	1.14E-09	9.84E-10	2.13E-09
654	652437.9	4193394	1.13E-09	1.00E-09	2.13E-09	1.87E-10	1.74E-10	3.61E-10	1.03E-10	8.62E-11	1.89E-10	1.17E-09	1.00E-09	2.17E-09
655	652457	4193411	1.15E-09	1.02E-09	2.17E-09	1.91E-10	1.77E-10	3.68E-10	1.05E-10	8.78E-11	1.93E-10	1.19E-09	1.02E-09	2.21E-09
656	652476.2	4193428	1.17E-09	1.04E-09	2.21E-09	1.94E-10	1.80E-10	3.74E-10	1.07E-10	8.93E-11	1.96E-10	1.21E-09	1.04E-09	2.25E-09
657	652495.3	4193444	1.19E-09	1.05E-09	2.24E-09	1.97E-10	1.83E-10	3.80E-10	1.09E-10	9.07E-11	1.99E-10	1.23E-09	1.06E-09	2.28E-09
658	652514.5	4193461	1.21E-09	1.07E-09	2.27E-09	2.00E-10	1.85E-10	3.85E-10	1.10E-10	9.20E-11	2.02E-10	1.25E-09	1.07E-09	2.32E-09
659	652533.7	4193477	1.23E-09	1.08E-09	2.31E-09	2.03E-10	1.88E-10	3.91E-10	1.12E-10	9.33E-11	2.05E-10	1.26E-09	1.09E-09	2.35E-09
660	652552.8	4193494	1.24E-09	1.10E-09	2.34E-09	2.06E-10	1.91E-10	3.96E-10	1.13E-10	9.46E-11	2.08E-10	1.28E-09	1.10E-09	2.38E-09
661	652572	4193511	1.26E-09	1.11E-09	2.37E-09	2.08E-10	1.93E-10	4.01E-10	1.15E-10	9.57E-11	2.10E-10	1.30E-09	1.11E-09	2.41E-09
662	652591.2	4193527	1.27E-09	1.12E-09	2.40E-09	2.11E-10	1.95E-10	4.06E-10	1.16E-10	9.69E-11	2.13E-10	1.31E-09	1.13E-09	2.44E-09
663	652610.3	4193544	1.29E-09	1.14E-09	2.42E-09	2.13E-10	1.97E-10	4.10E-10	1.17E-10	9.79E-11	2.15E-10	1.33E-09	1.14E-09	2.47E-09
664	652629.5	4193561	1.30E-09	1.15E-09	2.45E-09	2.15E-10	1.99E-10	4.14E-10	1.18E-10	9.89E-11	2.17E-10	1.34E-09	1.15E-09	2.49E-09
665	652648.7	4193577	1.31E-09	1.16E-09	2.47E-09	2.17E-10	2.01E-10	4.18E-10	1.20E-10	9.98E-11	2.19E-10	1.35E-09	1.16E-09	2.51E-09
666	652667.8	4193594	1.32E-09	1.17E-09	2.49E-09	2.19E-10	2.03E-10	4.22E-10	1.20E-10	1.01E-10	2.21E-10	1.36E-09	1.17E-09	2.53E-09
667	652687	4193610	1.33E-09	1.18E-09	2.50E-09	2.20E-10	2.04E-10	4.24E-10	1.21E-10	1.01E-10	2.23E-10	1.37E-09	1.18E-09	2.55E-09
668	652706.2	4193627	1.34E-09	1.18E-09	2.52E-09	2.21E-10	2.05E-10	4.27E-10	1.22E-10	1.02E-10	2.24E-10	1.38E-09	1.18E-09	2.56E-09
669	651540.5	4194508	7.32E-08	6.47E-08	1.38E-07	1.21E-08	1.12E-08	2.34E-08	6.68E-09	5.58E-09	1.23E-08	7.55E-08	6.49E-08	1.40E-07
670	651508.8	4194504	6.86E-08	6.06E-08	1.29E-07	1.14E-08	1.05E-08	2.19E-08	6.25E-09	5.22E-09	1.15E-08	7.08E-08	6.08E-08	1.32E-07
671	651547	4194484	5.50E-08	4.86E-08	1.04E-07	9.11E-09	8.44E-09	1.75E-08	5.01E-09	4.19E-09	9.20E-09	5.67E-08	4.87E-08	1.05E-07
672	651509.6	4194479	4.93E-08	4.36E-08	9.28E-08	8.16E-09	7.56E-09	1.57E-08	4.49E-09	3.75E-09	8.25E-09	5.08E-08	4.37E-08	9.45E-08
673	651545.9	4194459	4.16E-08	3.68E-08	7.83E-08	6.89E-09	6.38E-09	1.33E-08	3.79E-09	3.17E-09	6.96E-09	4.29E-08	3.69E-08	7.98E-08
674	651510.3	4194454	3.66E-08	3.24E-08	6.90E-08	6.07E-09	5.62E-09	1.17E-08	3.34E-09	2.79E-09	6.13E-09	3.78E-08	3.25E-08	7.02E-08
675	651549.4	4194409	2.57E-08	2.27E-08	4.84E-08	4.26E-09	3.94E-09	8.20E-09	2.34E-09	1.96E-09	4.30E-09	2.65E-08	2.28E-08	4.93E-08
676	651511.9	4194404	2.17E-08	1.92E-08	4.09E-08	3.60E-09	3.33E-09	6.93E-09	1.98E-09	1.65E-09	3.63E-09	2.24E-08	1.93E-08	4.17E-08
677	651552.2	4194360	1.68E-08	1.49E-08	3.17E-08	2.79E-09	2.58E-09	5.37E-09	1.53E-09	1.28E-09	2.81E-09	1.74E-08	1.49E-08	3.23E-08
678	651589.3	4194370	1.98E-08	1.75E-08	3.73E-08	3.28E-09	3.04E-09	6.31E-09	1.80E-09	1.51E-09	3.31E-09	2.04E-08	1.75E-08	3.79E-08
679	651513.5	4194354	1.39E-08	1.23E-08	2.61E-08	2.30E-09	2.13E-09	4.42E-09	1.26E-09	1.06E-09	2.32E-09	1.43E-08	1.23E-08	2.66E-08
680	651554.5	4194310	1.15E-08	1.02E-08	2.17E-08	1.91E-09	1.77E-09	3.68E-09	1.05E-09	8.78E-10	1.93E-09	1.19E-08	1.02E-08	2.21E-08
681	651593.2	4194321	1.38E-08	1.22E-08	2.61E-08	2.29E-09	2.12E-09	4.42E-09	1.26E-09	1.05E-09	2.32E-09	1.43E-08	1.23E-08	2.65E-08
682	651631.8	4194332	1.57E-08	1.39E-08	2.96E-08	2.60E-09	2.41E-09	5.02E-09	1.43E-09	1.20E-09	2.63E-09	1.62E-08	1.39E-08	3.02E-08
683	651515.1	4194304	9.39E-09	8.30E-09	1.77E-08	1.56E-09	1.44E-09	3.00E-09	8.56E-10	7.15E-10	1.57E-09	9.69E-09	8.32E-09	1.80E-08
684	651554.2	4194260	8.11E-09	7.17E-09	1.53E-08	1.34E-09	1.24E-09	2.59E-09	7.39E-10	6.18E-10	1.36E-09	8.37E-09	7.19E-09	1.56E-08
685	651623.8	4194279	1.11E-08	9.82E-09	2.09E-08	1.84E-09	1.70E-09	3.54E-09	1.01E-09	8.46E-10	1.86E-09	1.15E-08	9.85E-09	2.13E-08
686	651658.6	4194289	1.23E-08	1.09E-08	2.32E-08	2.04E-09	1.89E-09	3.93E-09	1.12E-09	9.37E-10	2.06E-09	1.27E-08	1.09E-08	2.36E-08
687	651516.7	4194254	6.67E-09	5.90E-09	1.26E-08	1.11E-09	1.02E-09	2.13E-09	6.09E-10	5.08E-10	1.12E-09	6.89E-09	5.92E-09	1.28E-08
688	651558.5	4194160	4.57E-09	4.04E-09	8.60E-09	7.57E-10	7.01E-10	1.46E-09	4.17E-10	3.48E-10	7.64E-10	4.71E-09	4.05E-09	8.76E-09
689	651595.7	4194170	5.48E-09	4.84E-09	1.03E-08	9.08E-10	8.41E-10	1.75E-09	5.00E-10	4.17E-10	9.17E-10	5.65E-09	4.86E-09	1.05E-08

690	651632.8	4194181	6.40E-09	5.66E-09	1.21E-08	1.06E-09	9.83E-10	2.04E-09	5.84E-10	4.88E-10	1.07E-09	6.61E-09	5.68E-09	1.23E-08
691	651669.9	4194191	7.28E-09	6.44E-09	1.37E-08	1.21E-09	1.12E-09	2.33E-09	6.65E-10	5.55E-10	1.22E-09	7.52E-09	6.46E-09	1.40E-08
692	651707	4194202	8.03E-09	7.10E-09	1.51E-08	1.33E-09	1.23E-09	2.56E-09	7.33E-10	6.12E-10	1.34E-09	8.29E-09	7.12E-09	1.54E-08
693	651519.9	4194154	3.79E-09	3.35E-09	7.14E-09	6.28E-10	5.82E-10	1.21E-09	3.46E-10	2.89E-10	6.35E-10	3.91E-09	3.36E-09	7.28E-09
694	651562.5	4194060	2.87E-09	2.54E-09	5.40E-09	4.75E-10	4.40E-10	9.15E-10	2.62E-10	2.18E-10	4.80E-10	2.96E-09	2.54E-09	5.50E-09
695	651601.2	4194071	3.41E-09	3.01E-09	6.42E-09	5.64E-10	5.23E-10	1.09E-09	3.11E-10	2.59E-10	5.70E-10	3.51E-09	3.02E-09	6.53E-09
696	651639.8	4194082	3.99E-09	3.53E-09	7.51E-09	6.61E-10	6.12E-10	1.27E-09	3.64E-10	3.04E-10	6.68E-10	4.12E-09	3.54E-09	7.65E-09
697	651678.5	4194093	4.59E-09	4.06E-09	8.65E-09	7.61E-10	7.04E-10	1.47E-09	4.19E-10	3.50E-10	7.68E-10	4.74E-09	4.07E-09	8.81E-09
698	651717.1	4194104	5.16E-09	4.57E-09	9.73E-09	8.56E-10	7.93E-10	1.65E-09	4.71E-10	3.93E-10	8.64E-10	5.33E-09	4.58E-09	9.91E-09
699	651755.8	4194115	5.65E-09	5.00E-09	1.07E-08	9.37E-10	8.68E-10	1.80E-09	5.16E-10	4.31E-10	9.46E-10	5.83E-09	5.01E-09	1.08E-08
700	651523.1	4194054	2.43E-09	2.15E-09	4.58E-09	4.03E-10	3.73E-10	7.76E-10	2.22E-10	1.85E-10	4.07E-10	2.51E-09	2.16E-09	4.67E-09
701	651564.9	4193960	1.95E-09	1.73E-09	3.68E-09	3.24E-10	3.00E-10	6.24E-10	1.78E-10	1.49E-10	3.27E-10	2.02E-09	1.73E-09	3.75E-09
702	651602	4193971	2.25E-09	1.99E-09	4.25E-09	3.74E-10	3.46E-10	7.20E-10	2.06E-10	1.72E-10	3.77E-10	2.33E-09	2.00E-09	4.33E-09
703	651639.1	4193981	2.59E-09	2.29E-09	4.88E-09	4.29E-10	3.98E-10	8.27E-10	2.36E-10	1.97E-10	4.34E-10	2.67E-09	2.30E-09	4.97E-09
704	651676.2	4193991	2.96E-09	2.62E-09	5.57E-09	4.90E-10	4.54E-10	9.45E-10	2.70E-10	2.25E-10	4.95E-10	3.05E-09	2.62E-09	5.68E-09
705	651713.3	4194002	3.35E-09	2.96E-09	6.30E-09	5.54E-10	5.14E-10	1.07E-09	3.05E-10	2.55E-10	5.60E-10	3.45E-09	2.97E-09	6.42E-09
706	651750.4	4194012	3.72E-09	3.29E-09	7.02E-09	6.17E-10	5.72E-10	1.19E-09	3.40E-10	2.84E-10	6.23E-10	3.84E-09	3.30E-09	7.14E-09
707	651787.5	4194023	4.06E-09	3.59E-09	7.65E-09	6.73E-10	6.23E-10	1.30E-09	3.70E-10	3.09E-10	6.79E-10	4.19E-09	3.60E-09	7.79E-09
708	651526.3	4193954	1.70E-09	1.51E-09	3.21E-09	2.82E-10	2.61E-10	5.44E-10	1.55E-10	1.30E-10	2.85E-10	1.76E-09	1.51E-09	3.27E-09
709	651568.6	4193860	1.43E-09	1.27E-09	2.70E-09	2.38E-10	2.20E-10	4.57E-10	1.31E-10	1.09E-10	2.40E-10	1.48E-09	1.27E-09	2.75E-09
710	651606.8	4193871	1.62E-09	1.44E-09	3.06E-09	2.69E-10	2.49E-10	5.18E-10	1.48E-10	1.24E-10	2.72E-10	1.68E-09	1.44E-09	3.12E-09
711	651645	4193882	1.84E-09	1.62E-09	3.46E-09	3.04E-10	2.82E-10	5.86E-10	1.68E-10	1.40E-10	3.07E-10	1.89E-09	1.63E-09	3.52E-09
712	651683.2	4193893	2.08E-09	1.84E-09	3.92E-09	3.44E-10	3.19E-10	6.63E-10	1.90E-10	1.58E-10	3.48E-10	2.14E-09	1.84E-09	3.99E-09
713	651721.4	4193903	2.35E-09	2.08E-09	4.42E-09	3.89E-10	3.60E-10	7.50E-10	2.14E-10	1.79E-10	3.93E-10	2.42E-09	2.08E-09	4.51E-09
714	651759.6	4193914	2.63E-09	2.33E-09	4.95E-09	4.36E-10	4.04E-10	8.40E-10	2.40E-10	2.00E-10	4.40E-10	2.71E-09	2.33E-09	5.05E-09
715	651797.8	4193925	2.90E-09	2.57E-09	5.47E-09	4.81E-10	4.45E-10	9.26E-10	2.65E-10	2.21E-10	4.86E-10	2.99E-09	2.57E-09	5.57E-09
716	651836	4193936	3.14E-09	2.78E-09	5.93E-09	5.21E-10	4.83E-10	1.00E-09	2.87E-10	2.40E-10	5.26E-10	3.25E-09	2.79E-09	6.03E-09
717	651529.4	4193854	1.27E-09	1.12E-09	2.40E-09	2.11E-10	1.95E-10	4.06E-10	1.16E-10	9.69E-11	2.13E-10	1.31E-09	1.13E-09	2.44E-09
718	651574.9	4193660	8.85E-10	7.82E-10	1.67E-09	1.47E-10	1.36E-10	2.82E-10	8.07E-11	6.74E-11	1.48E-10	9.13E-10	7.85E-10	1.70E-09
719	651650.8	4193682	1.06E-09	9.36E-10	2.00E-09	1.76E-10	1.63E-10	3.38E-10	9.66E-11	8.07E-11	1.77E-10	1.09E-09	9.39E-10	2.03E-09
720	651688.7	4193692	1.16E-09	1.02E-09	2.18E-09	1.92E-10	1.78E-10	3.70E-10	1.06E-10	8.82E-11	1.94E-10	1.20E-09	1.03E-09	2.22E-09
721	651726.7	4193703	1.27E-09	1.13E-09	2.40E-09	2.11E-10	1.96E-10	4.07E-10	1.16E-10	9.71E-11	2.13E-10	1.32E-09	1.13E-09	2.45E-09
722	651764.6	4193714	1.41E-09	1.25E-09	2.66E-09	2.34E-10	2.16E-10	4.50E-10	1.29E-10	1.07E-10	2.36E-10	1.46E-09	1.25E-09	2.71E-09
723	651802.6	4193725	1.56E-09	1.38E-09	2.94E-09	2.59E-10	2.40E-10	4.98E-10	1.42E-10	1.19E-10	2.61E-10	1.61E-09	1.38E-09	3.00E-09
724	651840.5	4193735	1.72E-09	1.52E-09	3.24E-09	2.85E-10	2.64E-10	5.48E-10	1.57E-10	1.31E-10	2.88E-10	1.77E-09	1.52E-09	3.30E-09
725	651878.5	4193746	1.87E-09	1.65E-09	3.52E-09	3.10E-10	2.87E-10	5.97E-10	1.71E-10	1.42E-10	3.13E-10	1.93E-09	1.66E-09	3.59E-09
726	651916.4	4193757	2.01E-09	1.77E-09	3.78E-09	3.33E-10	3.08E-10	6.41E-10	1.83E-10	1.53E-10	3.36E-10	2.07E-09	1.78E-09	3.85E-09
727	651954.4	4193767	2.12E-09	1.88E-09	4.00E-09	3.52E-10	3.26E-10	6.78E-10	1.94E-10	1.62E-10	3.56E-10	2.19E-09	1.88E-09	4.08E-09
728	651535.8	4193654	8.04E-10	7.11E-10	1.52E-09	1.33E-10	1.23E-10	2.57E-10	7.34E-11	6.13E-11	1.35E-10	8.30E-10	7.13E-10	1.54E-09
729	651619	4193471	6.66E-10	5.89E-10	1.26E-09	1.10E-10	1.02E-10	2.13E-10	6.08E-11	5.08E-11	1.12E-10	6.88E-10	5.91E-10	1.28E-09
730	651656.8	4193482	7.12E-10	6.29E-10	1.34E-09	1.18E-10	1.09E-10	2.27E-10	6.49E-11	5.42E-11	1.19E-10	7.35E-10	6.31E-10	1.37E-09
731	651694.5	4193492	7.57E-10	6.70E-10	1.43E-09	1.26E-10	1.16E-10	2.42E-10	6.91E-11	5.77E-11	1.27E-10	7.82E-10	6.72E-10	1.45E-09
732	651732.3	4193503	8.08E-10	7.14E-10	1.52E-09	1.34E-10	1.24E-10	2.58E-10	7.37E-11	6.16E-11	1.35E-10	8.34E-10	7.17E-10	1.55E-09
733	651770.1	4193514	8.69E-10	7.69E-10	1.64E-09	1.44E-10	1.33E-10	2.77E-10	7.93E-11	6.62E-11	1.46E-10	8.97E-10	7.71E-10	1.67E-09
734	651807.9	4193524	9.43E-10	8.34E-10	1.78E-09	1.56E-10	1.45E-10	3.01E-10	8.60E-11	7.19E-11	1.58E-10	9.73E-10	8.37E-10	1.81E-09
735	651845.7	4193535	1.03E-09	9.10E-10	1.94E-09	1.71E-10	1.58E-10	3.29E-10	9.39E-11	7.84E-11	1.72E-10	1.06E-09	9.13E-10	1.98E-09
736	651883.5	4193546	1.12E-09	9.94E-10	2.12E-09	1.86E-10	1.72E-10	3.59E-10	1.03E-10	8.56E-11	1.88E-10	1.16E-09	9.97E-10	2.16E-09
737	651921.3	4193556	1.22E-09	1.08E-09	2.30E-09	2.02E-10	1.87E-10	3.90E-10	1.11E-10	9.30E-11	2.04E-10	1.26E-09	1.08E-09	2.34E-09
738	651959.1	4193567	1.31E-09	1.16E-09	2.48E-09	2.18E-10	2.02E-10	4.19E-10	1.20E-10	1.00E-10	2.20E-10	1.36E-09	1.17E-09	2.52E-09
739	651996.9	4193578	1.40E-09	1.24E-09	2.64E-09	2.32E-10	2.15E-10	4.47E-10	1.28E-10	1.07E-10	2.34E-10	1.44E-09	1.24E-09	2.69E-09
740	652034.7	4193588	1.47E-09	1.30E-09	2.78E-09	2.44E-10	2.26E-10	4.71E-10	1.35E-10	1.12E-10	2.47E-10	1.52E-09	1.31E-09	2.83E-09
741	651587.5	4193260	4.63E-10	4.09E-10	8.72E-10	7.67E-11	7.11E-11	1.48E-10	4.22E-11	3.53E-11	7.75E-11	4.78E-10	4.11E-10	8.88E-10
742	651625.2	4193271	4.96E-10	4.39E-10	9.35E-10	8.22E-11	7.61E-11	1.58E-10	4.53E-11	3.78E-11	8.30E-11	5.12E-10	4.40E-10	9.52E-10
743	651662.8	4193282	5.25E-10	4.64E-10	9.88E-10	8.70E-11	8.05E-11	1.67E-10	4.79E-11	4.00E-11	8.78E-11	5.41E-10	4.65E-10	1.01E-09
744	651700.5	4193292	5.50E-10	4.86E-10	1.04E-09	9.11E-11	8.44E-11	1.76E-10	5.02E-11	4.19E-11	9.20E-11	5.67E-10	4.88E-10	1.06E-09
745	651738.2	4193303	5.75E-10	5.08E-10	1.08E-09	9.53E-11	8.83E-11	1.84E-10	5.25E-11	4.38E-11	9.63E-11	5.93E-10	5.10E-10	1.10E-09
746	651775.9	4193314	6.03E-10	5.33E-10	1.14E-09	1.00E-10	9.26E-11	1.93E-10	5.50E-11	4.60E-11	1.01E-10	6.23E-10	5.35E-10	1.16E-09
747	651813.6	4193324	6.37E-10	5.64E-10	1.20E-09	1.06E-10	9.78E-11	2.03E-10	5.82E-11	4.86E-11	1.07E-10	6.58E-10	5.65E-10	1.22E-09
748	651851.3	4193335	6.80E-10	6.01E-10	1.28E-09	1.13E-10	1.04E-10	2.17E-10	6.20E-11	5.18E-11	1.14E-10	7.02E-10	6.03E-10	1.30E-09
749	651889	4193346	7.33E-10	6.48E-10	1.38E-09	1.22E-10	1.13E-10	2.34E-10	6.69E-11	5.59E-11	1.23E-10	7.57E-10	6.50E-10	1.41E-09
750	651926.6	4193356	7.92E-10	7.00E-10	1.49E-09	1.31E-10	1.22E-10	2.53E-10	7.23E-11	6.03E-11	1.33E-10	8.18E-10	7.03E-10	1.52E-09
751	651964.3	4193367	8.55E-10	7.56E-10	1.61E-09	1.42E-10	1.31E-10	2.73E-10	7.80E-11	6.52E-11	1.43E-10	8.83E-10	7.59E-10	1.64E-09
752	652002	4193378	9.20E-10	8.13E-10	1.73E-09	1.52E-10	1.41E-10	2.94E-10	8.39E-11	7.01E-11	1.54E-10	9.49E-10	8.16E-10	1.77E-09
753	652039.7	4193388	9.82E-10	8.68E-10	1.85E-09	1.63E-10	1.51E-10	3.14E-10	8.96E-11	7.48E-11	1.64E-10	1.01E-09	8.71E-10	1.88E-09
754	652077.4	4193399	1.04E-09	9.19E-10	1.96E-09	1.72E-10	1.60E-10	3.32E-10	9.48E-11	7.92E-11	1.74E-10	1.07E-09	9.22E-10	1.99E-09
755	652115.1	4193409	1.09E-09	9.64E-10	2.05E-09	1.81E-10	1.67E-10	3.48E-10	9.94E-11	8.30E-11	1.82E-10	1.12E-09	9.67E-10	2.09E-09
756	652152.7	4193420	1.13E-09	1.00E-09	2.14E-09	1.88E-10	1.74E-10	3.62E-10	1.04E-10	8.65E-11	1.90E-10	1.17E-09	1.01E-09	2.18E-09
757	651548.5	4193255	4.28E-10	3.78E-10	8.06E-10	7.09E-11	6.57E-11	1.37E-10	3.91E-11	3.26E-11	7.17E-11	4.42E-10	3.80E-10	8.21E-10
758	651594.3	4193061	3.65E-10	3.23E-10	6.87E-10	6.05E-11	5.60E-11	1.16E-10	3.33E-11	2.78E-11	6.11E-11	3.76E-10	3.23E-10	7.00E-10
759	651633	4193072	3.90E-10	3.45E-10	7.35E-10	6.47E-11	5.99E-11	1.25E-10	3.56E-11	2.97E-11	6.53E-11	4.03E-10	3.46E-10	7.49E-10
760	651671.6	4193083	4.12E-10	3.64E-10	7.76E-10	6.82E-11	6.32E-11	1.31E-10	3.76E-11	3.14E-11	6.89E-11	4.25E-10	3.65E-10	7.90E-10
761	651710.3	4193093	4.29E-10	3.80E-10	8.09E-10	7.12E-11	6.59E-11	1.37E-10	3.92E-11	3.27E-11	7.19E-11	4.43E-10	3.81E-10	8.24E-10
762	651748.9	4193104	4.45E-10	3.93E-10	8.38E-10	7.38E-11	6.83E-11	1.42E-10	4.06E-11	3.39E-11	7.45E-11	4.59E-10	3.95E-10	8.54E-10
763	651787.6	4193115	4.60E-10	4.07E-10	8.67E-10	7.63E-11	7.07E-11	1.47E-10	4.20E-11	3.51E-11	7.71E-11	4.75E-10	4.08E-10	8.83E-10
764	651826.2	4193126	4.78E-10	4.23E-10	9.01E-10	7.92E-11	7.34E-11	1.53E-10	4.36E-11	3.64E-11	8.00E-11	4.93E-10	4.24E-10	9.17E-10
765	651864.9	4193137	5.00E-10	4.42E-10	9.42E-10	8.29E-11	7.68E-11	1.60E-10	4.56E-11	3.81E-11	8.37E-11	5.16E-10	4.44E-10	9.60E-10
766	651903.5	4193148	5.28E-10	4.67E-10	9.95E-10	8.75E-11	8.11E-11	1.69E-10	4.82E-11	4.02E-11	8.84E-11	5.45E-10	4.68E-10	1.01E-09

767	651942.2	4193159	5.62E-10	4.97E-10	1.06E-09	9.32E-11	8.63E-11	1.79E-10	5.13E-11	4.28E-11	9.41E-11	5.80E-10	4.99E-10	1.08E-09
768	651980.8	4193170	6.02E-10	5.32E-10	1.13E-09	9.98E-11	9.24E-11	1.92E-10	5.49E-11	4.59E-11	1.01E-10	6.21E-10	5.34E-10	1.16E-09
769	652019.5	4193181	6.47E-10	5.72E-10	1.22E-09	1.07E-10	9.92E-11	2.06E-10	5.90E-11	4.93E-11	1.08E-10	6.67E-10	5.73E-10	1.24E-09
770	652058.1	4193192	6.93E-10	6.13E-10	1.31E-09	1.15E-10	1.06E-10	2.21E-10	6.33E-11	5.28E-11	1.16E-10	7.16E-10	6.15E-10	1.33E-09
771	652096.8	4193203	7.40E-10	6.54E-10	1.39E-09	1.23E-10	1.14E-10	2.36E-10	6.75E-11	5.64E-11	1.24E-10	7.64E-10	6.56E-10	1.42E-09
772	652135.4	4193214	7.84E-10	6.93E-10	1.48E-09	1.30E-10	1.20E-10	2.50E-10	7.15E-11	5.97E-11	1.31E-10	8.09E-10	6.95E-10	1.50E-09
773	652174.1	4193224	8.24E-10	7.28E-10	1.55E-09	1.37E-10	1.26E-10	2.63E-10	7.51E-11	6.27E-11	1.38E-10	8.50E-10	7.30E-10	1.58E-09
774	652212.7	4193235	8.59E-10	7.59E-10	1.62E-09	1.42E-10	1.32E-10	2.74E-10	7.84E-11	6.54E-11	1.44E-10	8.86E-10	7.62E-10	1.65E-09
775	652251.4	4193246	8.90E-10	7.87E-10	1.68E-09	1.48E-10	1.37E-10	2.84E-10	8.12E-11	6.78E-11	1.49E-10	9.19E-10	7.89E-10	1.71E-09
776	651554.9	4193055	3.38E-10	2.99E-10	6.38E-10	5.61E-11	5.20E-11	1.08E-10	3.09E-11	2.58E-11	5.67E-11	3.49E-10	3.00E-10	6.49E-10
777	651484.5	4194504	6.52E-08	5.76E-08	1.23E-07	1.08E-08	1.00E-08	2.08E-08	5.94E-09	4.96E-09	1.09E-08	6.72E-08	5.78E-08	1.25E-07
778	651484.3	4194479	4.57E-08	4.04E-08	8.62E-08	7.58E-09	7.02E-09	1.46E-08	4.17E-09	3.48E-09	7.66E-09	4.72E-08	4.06E-08	8.78E-08
779	651484.1	4194454	3.33E-08	2.94E-08	6.27E-08	5.51E-09	5.11E-09	1.06E-08	3.04E-09	2.53E-09	5.57E-09	3.43E-08	2.95E-08	6.38E-08
780	651483.7	4194404	1.91E-08	1.69E-08	3.59E-08	3.16E-09	2.93E-09	6.09E-09	1.74E-09	1.45E-09	3.19E-09	1.97E-08	1.69E-08	3.66E-08
781	651483.2	4194354	1.19E-08	1.05E-08	2.24E-08	1.97E-09	1.83E-09	3.80E-09	1.09E-09	9.07E-10	1.99E-09	1.23E-08	1.06E-08	2.28E-08
782	651482.8	4194304	7.95E-09	7.03E-09	1.50E-08	1.32E-09	1.22E-09	2.54E-09	7.26E-10	6.06E-10	1.33E-09	8.21E-09	7.06E-09	1.53E-08
783	651480.7	4194054	2.07E-09	1.83E-09	3.91E-09	3.44E-10	3.18E-10	6.62E-10	1.89E-10	1.58E-10	3.47E-10	2.14E-09	1.84E-09	3.98E-09
784	651502.1	4193954	1.58E-09	1.39E-09	2.97E-09	2.61E-10	2.42E-10	5.03E-10	1.44E-10	1.20E-10	2.64E-10	1.63E-09	1.40E-09	3.02E-09
785	651457.6	4193954	1.36E-09	1.20E-09	2.56E-09	2.25E-10	2.09E-10	4.34E-10	1.24E-10	1.04E-10	2.28E-10	1.40E-09	1.21E-09	2.61E-09
786	651501.3	4193854	1.17E-09	1.04E-09	2.21E-09	1.94E-10	1.80E-10	3.74E-10	1.07E-10	8.93E-11	1.96E-10	1.21E-09	1.04E-09	2.25E-09
787	651456.8	4193854	1.03E-09	9.07E-10	1.93E-09	1.70E-10	1.57E-10	3.27E-10	9.36E-11	7.81E-11	1.72E-10	1.06E-09	9.09E-10	1.97E-09
788	651499.6	4193654	7.35E-10	6.50E-10	1.39E-09	1.22E-10	1.13E-10	2.35E-10	6.71E-11	5.60E-11	1.23E-10	7.59E-10	6.52E-10	1.41E-09
789	651366.1	4193655	5.31E-10	4.70E-10	1.00E-09	8.81E-11	8.16E-11	1.70E-10	4.85E-11	4.05E-11	8.90E-11	5.49E-10	4.71E-10	1.02E-09
790	651321.6	4193655	5.08E-10	4.49E-10	9.57E-10	8.42E-11	7.80E-11	1.62E-10	4.64E-11	3.87E-11	8.51E-11	5.24E-10	4.51E-10	9.75E-10
791	651408.9	4193455	4.15E-10	3.67E-10	7.82E-10	6.88E-11	6.37E-11	1.32E-10	3.78E-11	3.16E-11	6.94E-11	4.28E-10	3.68E-10	7.96E-10
792	651364.4	4193455	3.84E-10	3.39E-10	7.23E-10	6.36E-11	5.89E-11	1.23E-10	3.50E-11	2.92E-11	6.43E-11	3.96E-10	3.40E-10	7.37E-10
793	651319.9	4193455	3.69E-10	3.27E-10	6.96E-10	6.12E-11	5.67E-11	1.18E-10	3.37E-11	2.81E-11	6.18E-11	3.81E-10	3.27E-10	7.09E-10
794	651340.5	4193255	2.89E-10	2.56E-10	5.45E-10	4.79E-11	4.44E-11	9.23E-11	2.64E-11	2.20E-11	4.84E-11	2.98E-10	2.56E-10	5.55E-10
795	651296	4193256	2.84E-10	2.51E-10	5.34E-10	4.70E-11	4.35E-11	9.05E-11	2.59E-11	2.16E-11	4.75E-11	2.93E-10	2.51E-10	5.44E-10
796	651294.3	4193056	2.28E-10	2.01E-10	4.29E-10	3.77E-11	3.49E-11	7.26E-11	2.08E-11	1.73E-11	3.81E-11	2.35E-10	2.02E-10	4.37E-10
797	651120.1	4194652	6.57E-09	5.81E-09	1.24E-08	1.09E-09	1.01E-09	2.10E-09	5.99E-10	5.00E-10	1.10E-09	6.78E-09	5.83E-09	1.26E-08
798	651112.8	4194676	6.90E-09	6.10E-09	1.30E-08	1.14E-09	1.06E-09	2.20E-09	6.29E-10	5.25E-10	1.15E-09	7.12E-09	6.12E-09	1.32E-08
799	651105.6	4194699	7.17E-09	6.34E-09	1.35E-08	1.19E-09	1.10E-09	2.29E-09	6.55E-10	5.47E-10	1.20E-09	7.40E-09	6.36E-09	1.38E-08
800	651098.3	4194723	7.40E-09	6.55E-09	1.39E-08	1.23E-09	1.14E-09	2.36E-09	6.75E-10	5.64E-10	1.24E-09	7.64E-09	6.57E-09	1.42E-08
801	651091.1	4194746	7.58E-09	6.70E-09	1.43E-08	1.26E-09	1.16E-09	2.42E-09	6.92E-10	5.78E-10	1.27E-09	7.83E-09	6.72E-09	1.45E-08
802	651083.8	4194770	7.71E-09	6.81E-09	1.45E-08	1.28E-09	1.18E-09	2.46E-09	7.03E-10	5.87E-10	1.29E-09	7.95E-09	6.84E-09	1.48E-08
803	651076.6	4194793	7.76E-09	6.86E-09	1.46E-08	1.29E-09	1.19E-09	2.48E-09	7.08E-10	5.91E-10	1.30E-09	8.01E-09	6.88E-09	1.49E-08
804	651101.3	4194544	3.60E-09	3.18E-09	6.78E-09	5.97E-10	5.53E-10	1.15E-09	3.28E-10	2.74E-10	6.03E-10	3.71E-09	3.19E-09	6.91E-09
805	651094.1	4194567	3.83E-09	3.38E-09	7.21E-09	6.34E-10	5.87E-10	1.22E-09	3.49E-10	2.92E-10	6.41E-10	3.95E-09	3.39E-09	7.34E-09
806	651086.8	4194591	4.06E-09	3.59E-09	7.65E-09	6.73E-10	6.24E-10	1.30E-09	3.71E-10	3.09E-10	6.80E-10	4.19E-09	3.60E-09	7.79E-09
807	651079.6	4194614	4.30E-09	3.80E-09	8.10E-09	7.12E-10	6.60E-10	1.37E-09	3.92E-10	3.27E-10	7.19E-10	4.44E-09	3.81E-09	8.25E-09
808	651072.3	4194638	4.53E-09	4.01E-09	8.54E-09	7.51E-10	6.96E-10	1.45E-09	4.13E-10	3.45E-10	7.59E-10	4.68E-09	4.02E-09	8.70E-09
809	651065.1	4194661	4.76E-09	4.21E-09	8.97E-09	7.89E-10	7.31E-10	1.52E-09	4.35E-10	3.63E-10	7.97E-10	4.92E-09	4.22E-09	9.14E-09
810	651057.8	4194685	4.98E-09	4.41E-09	9.39E-09	8.26E-10	7.65E-10	1.59E-09	4.55E-10	3.80E-10	8.34E-10	5.14E-09	4.42E-09	9.56E-09
811	651050.5	4194708	5.18E-09	4.58E-09	9.76E-09	8.59E-10	7.95E-10	1.65E-09	4.73E-10	3.95E-10	8.67E-10	5.35E-09	4.59E-09	9.94E-09
812	651043.3	4194732	5.35E-09	4.73E-09	1.01E-08	8.87E-10	8.21E-10	1.71E-09	4.88E-10	4.08E-10	8.96E-10	5.52E-09	4.75E-09	1.03E-08
813	651036	4194755	5.49E-09	4.85E-09	1.03E-08	9.09E-10	8.42E-10	1.75E-09	5.01E-10	4.18E-10	9.19E-10	5.66E-09	4.87E-09	1.05E-08
814	651028.8	4194779	5.57E-09	4.93E-09	1.05E-08	9.24E-10	8.56E-10	1.78E-09	5.09E-10	4.25E-10	9.33E-10	5.75E-09	4.94E-09	1.07E-08
815	651080.9	4194464	2.51E-09	2.22E-09	4.73E-09	4.16E-10	3.85E-10	8.01E-10	2.29E-10	1.91E-10	4.20E-10	2.59E-09	2.22E-09	4.81E-09
816	651106.5	4194427	2.50E-09	2.21E-09	4.71E-09	4.14E-10	3.84E-10	7.98E-10	2.28E-10	1.90E-10	4.18E-10	2.58E-09	2.22E-09	4.80E-09
817	651132.1	4194391	2.41E-09	2.13E-09	4.55E-09	4.00E-10	3.70E-10	7.70E-10	2.20E-10	1.84E-10	4.04E-10	2.49E-09	2.14E-09	4.63E-09
818	651220.7	4194334	2.45E-09	2.17E-09	4.62E-09	4.06E-10	3.76E-10	7.83E-10	2.24E-10	1.87E-10	4.11E-10	2.53E-09	2.18E-09	4.71E-09
819	651068.1	4194482	2.50E-09	2.21E-09	4.71E-09	4.14E-10	3.83E-10	7.97E-10	2.28E-10	1.90E-10	4.18E-10	2.58E-09	2.21E-09	4.79E-09
820	651060.8	4194505	2.59E-09	2.29E-09	4.88E-09	4.30E-10	3.98E-10	8.27E-10	2.36E-10	1.97E-10	4.34E-10	2.67E-09	2.30E-09	4.97E-09
821	651053.6	4194529	2.71E-09	2.40E-09	5.11E-09	4.49E-10	4.16E-10	8.65E-10	2.47E-10	2.06E-10	4.54E-10	2.80E-09	2.40E-09	5.20E-09
822	651046.3	4194552	2.85E-09	2.52E-09	5.37E-09	4.73E-10	4.38E-10	9.10E-10	2.60E-10	2.17E-10	4.77E-10	2.94E-09	2.53E-09	5.47E-09
823	651039.1	4194576	3.01E-09	2.66E-09	5.67E-09	4.99E-10	4.62E-10	9.60E-10	2.74E-10	2.29E-10	5.04E-10	3.10E-09	2.67E-09	5.77E-09
824	651031.8	4194599	3.17E-09	2.80E-09	5.97E-09	5.25E-10	4.87E-10	1.01E-09	2.89E-10	2.42E-10	5.31E-10	3.27E-09	2.81E-09	6.08E-09
825	651024.5	4194623	3.33E-09	2.95E-09	6.28E-09	5.53E-10	5.12E-10	1.06E-09	3.04E-10	2.54E-10	5.58E-10	3.44E-09	2.96E-09	6.40E-09
826	651017.3	4194646	3.50E-09	3.09E-09	6.59E-09	5.80E-10	5.37E-10	1.12E-09	3.19E-10	2.66E-10	5.86E-10	3.61E-09	3.10E-09	6.71E-09
827	651010	4194670	3.66E-09	3.24E-09	6.90E-09	6.07E-10	5.62E-10	1.17E-09	3.34E-10	2.79E-10	6.13E-10	3.78E-09	3.25E-09	7.03E-09
828	651002.8	4194693	3.83E-09	3.38E-09	7.21E-09	6.34E-10	5.87E-10	1.22E-09	3.49E-10	2.91E-10	6.40E-10	3.95E-09	3.39E-09	7.34E-09
829	650995.5	4194717	3.98E-09	3.52E-09	7.50E-09	6.60E-10	6.11E-10	1.27E-09	3.63E-10	3.03E-10	6.66E-10	4.11E-09	3.53E-09	7.64E-09
830	650988.3	4194740	4.11E-09	3.64E-09	7.75E-09	6.81E-10	6.31E-10	1.31E-09	3.75E-10	3.13E-10	6.88E-10	4.24E-09	3.65E-09	7.89E-09
831	650981	4194764	4.21E-09	3.72E-09	7.93E-09	6.97E-10	6.46E-10	1.34E-09	3.84E-10	3.21E-10	7.04E-10	4.34E-09	3.73E-09	8.08E-09
832	650973.8	4194787	4.26E-09	3.77E-09	8.03E-09	7.06E-10	6.54E-10	1.36E-09	3.89E-10	3.25E-10	7.13E-10	4.40E-09	3.78E-09	8.18E-09
833	650966.5	4194811	4.27E-09	3.78E-09	8.05E-09	7.08E-10	6.55E-10	1.36E-09	3.90E-10	3.25E-10	7.15E-10	4.41E-09	3.79E-09	8.19E-09
834	650959.2	4194834	4.24E-09	3.75E-09	7.99E-09	7.03E-10	6.51E-10	1.35E-09	3.87E-10	3.23E-10	7.10E-10	4.38E-09	3.76E-09	8.14E-09
835	651033.7	4194448	2.01E-09	1.78E-09	3.79E-09	3.33E-10	3.09E-10	6.42E-10	1.83E-10	1.53E-10	3.37E-10	2.08E-09	1.78E-09	3.86E-09
836	651047.2	4194429	2.03E-09	1.80E-09	3.83E-09	3.37E-10	3.12E-10	6.48E-10	1.85E-10	1.55E-10	3.40E-10	2.10E-09	1.80E-09	3.90E-09
837	651060.6	4194410	2.04E-09	1.80E-09	3.84E-09	3.38E-10	3.13E-10	6.51E-10	1.86E-10	1.55E-10	3.41E-10	2.10E-09	1.81E-09	3.91E-09
838	651074.1	4194391	2.03E-09	1.79E-09	3.82E-09	3.36E-10	3.11E-10	6.48E-10	1.85E-10	1.55E-10	3.40E-10	2.09E-09	1.80E-09	3.89E-09
839	651087.5	4194372	2.00E-09	1.77E-09	3.77E-09	3.31E-10	3.07E-10	6.38E-10	1.82E-10	1.52E-10	3.35E-10	2.06E-09	1.77E-09	3.84E-09
840	651100.9	4194353	1.95E-09	1.73E-09	3.68E-09	3.23E-10	3.00E-10	6.23E-10	1.78E-10	1.49E-10	3.27E-10	2.01E-09	1.73E-09	3.74E-09
841	651114.4	4194334	1.89E-09	1.67E-09	3.57E-09	3.14E-10	2.91E-10	6.05E-10	1.73E-10	1.44E-10	3.17E-10	1.95E-09	1.68E-09	3.63E-09
842	651149.9	4194307	1.87E-09	1.65E-09	3.52E-09	3.09E-10	2.86E-10	5.96E-10	1.70E-10	1.42E-10	3.12E-10	1.93E-09	1.65E-09	3.58E-09
843	651172	4194300	1.90E-09	1.68E-09	3.59E-09	3.15E-10	2.92E-10	6.08E-10	1.74E-10	1.45E-10	3.19E-10	1.96E-09	1.69E-09	3.65E-09

844	651194	4194293	1.94E-09	1.72E-09	3.66E-09	3.22E-10	2.98E-10	6.20E-10	1.77E-10	1.48E-10	3.25E-10	2.00E-09	1.72E-09	3.73E-09
845	651216.1	4194285	1.99E-09	1.76E-09	3.74E-09	3.29E-10	3.05E-10	6.34E-10	1.81E-10	1.51E-10	3.33E-10	2.05E-09	1.76E-09	3.81E-09
846	651020.3	4194467	1.99E-09	1.76E-09	3.75E-09	3.30E-10	3.05E-10	6.35E-10	1.81E-10	1.51E-10	3.33E-10	2.05E-09	1.76E-09	3.82E-09
847	651013	4194491	2.04E-09	1.81E-09	3.85E-09	3.39E-10	3.14E-10	6.52E-10	1.86E-10	1.56E-10	3.42E-10	2.11E-09	1.81E-09	3.92E-09
848	651005.8	4194514	2.12E-09	1.87E-09	3.99E-09	3.51E-10	3.25E-10	6.76E-10	1.93E-10	1.61E-10	3.55E-10	2.19E-09	1.88E-09	4.07E-09
849	650998.5	4194538	2.21E-09	1.96E-09	4.17E-09	3.67E-10	3.40E-10	7.07E-10	2.02E-10	1.69E-10	3.71E-10	2.29E-09	1.96E-09	4.25E-09
850	650991.3	4194561	2.33E-09	2.06E-09	4.38E-09	3.86E-10	3.57E-10	7.43E-10	2.12E-10	1.77E-10	3.89E-10	2.40E-09	2.06E-09	4.46E-09
851	650984	4194585	2.45E-09	2.16E-09	4.61E-09	4.05E-10	3.76E-10	7.81E-10	2.23E-10	1.86E-10	4.10E-10	2.52E-09	2.17E-09	4.69E-09
852	650976.8	4194608	2.57E-09	2.27E-09	4.84E-09	4.26E-10	3.94E-10	8.20E-10	2.34E-10	1.96E-10	4.30E-10	2.65E-09	2.28E-09	4.93E-09
853	650969.5	4194632	2.69E-09	2.38E-09	5.07E-09	4.46E-10	4.13E-10	8.59E-10	2.45E-10	2.05E-10	4.50E-10	2.78E-09	2.39E-09	5.16E-09
854	650962.3	4194655	2.81E-09	2.49E-09	5.30E-09	4.66E-10	4.32E-10	8.98E-10	2.57E-10	2.14E-10	4.71E-10	2.90E-09	2.50E-09	5.40E-09
855	650955	4194679	2.94E-09	2.60E-09	5.54E-09	4.88E-10	4.52E-10	9.39E-10	2.68E-10	2.24E-10	4.92E-10	3.04E-09	2.61E-09	5.64E-09
856	650947.7	4194702	3.07E-09	2.72E-09	5.79E-09	5.09E-10	4.71E-10	9.80E-10	2.80E-10	2.34E-10	5.14E-10	3.17E-09	2.72E-09	5.89E-09
857	650940.5	4194726	3.19E-09	2.82E-09	6.01E-09	5.29E-10	4.90E-10	1.02E-09	2.91E-10	2.43E-10	5.34E-10	3.29E-09	2.83E-09	6.12E-09
858	650933.2	4194749	3.29E-09	2.91E-09	6.20E-09	5.45E-10	5.05E-10	1.05E-09	3.00E-10	2.50E-10	5.50E-10	3.39E-09	2.92E-09	6.31E-09
859	650926	4194773	3.35E-09	2.97E-09	6.32E-09	5.56E-10	5.15E-10	1.07E-09	3.06E-10	2.55E-10	5.61E-10	3.46E-09	2.97E-09	6.43E-09
860	650918.7	4194796	3.38E-09	2.99E-09	6.38E-09	5.61E-10	5.20E-10	1.08E-09	3.09E-10	2.58E-10	5.67E-10	3.49E-09	3.00E-09	6.49E-09
861	650911.5	4194820	3.39E-09	2.99E-09	6.38E-09	5.61E-10	5.20E-10	1.08E-09	3.09E-10	2.58E-10	5.67E-10	3.49E-09	3.00E-09	6.50E-09
862	650937.8	4194419	1.37E-09	1.21E-09	2.58E-09	2.27E-10	2.10E-10	4.37E-10	1.25E-10	1.04E-10	2.29E-10	1.41E-09	1.21E-09	2.63E-09
863	650950.8	4194401	1.39E-09	1.23E-09	2.63E-09	2.31E-10	2.14E-10	4.45E-10	1.27E-10	1.06E-10	2.33E-10	1.44E-09	1.24E-09	2.67E-09
864	650963.8	4194382	1.42E-09	1.25E-09	2.67E-09	2.35E-10	2.17E-10	4.52E-10	1.29E-10	1.08E-10	2.37E-10	1.46E-09	1.26E-09	2.72E-09
865	650989.9	4194345	1.44E-09	1.27E-09	2.71E-09	2.39E-10	2.21E-10	4.60E-10	1.31E-10	1.10E-10	2.41E-10	1.49E-09	1.28E-09	2.76E-09
866	651002.9	4194327	1.44E-09	1.27E-09	2.71E-09	2.38E-10	2.21E-10	4.59E-10	1.31E-10	1.09E-10	2.41E-10	1.48E-09	1.27E-09	2.76E-09
867	651016	4194308	1.42E-09	1.26E-09	2.68E-09	2.36E-10	2.18E-10	4.54E-10	1.30E-10	1.08E-10	2.38E-10	1.47E-09	1.26E-09	2.73E-09
868	651029	4194290	1.40E-09	1.24E-09	2.64E-09	2.32E-10	2.15E-10	4.47E-10	1.28E-10	1.07E-10	2.34E-10	1.45E-09	1.24E-09	2.69E-09
869	651042	4194272	1.37E-09	1.21E-09	2.58E-09	2.27E-10	2.10E-10	4.37E-10	1.25E-10	1.04E-10	2.29E-10	1.41E-09	1.22E-09	2.63E-09
870	651089.5	4194227	1.30E-09	1.15E-09	2.45E-09	2.15E-10	1.99E-10	4.15E-10	1.18E-10	9.89E-11	2.17E-10	1.34E-09	1.15E-09	2.49E-09
871	651110.9	4194220	1.31E-09	1.15E-09	2.46E-09	2.16E-10	2.00E-10	4.17E-10	1.19E-10	9.95E-11	2.19E-10	1.35E-09	1.16E-09	2.51E-09
872	651132.3	4194213	1.32E-09	1.16E-09	2.48E-09	2.18E-10	2.02E-10	4.20E-10	1.20E-10	1.00E-10	2.20E-10	1.36E-09	1.17E-09	2.52E-09
873	651153.7	4194206	1.33E-09	1.18E-09	2.51E-09	2.20E-10	2.04E-10	4.25E-10	1.21E-10	1.01E-10	2.23E-10	1.37E-09	1.18E-09	2.55E-09
874	651175.1	4194199	1.35E-09	1.19E-09	2.54E-09	2.24E-10	2.07E-10	4.31E-10	1.23E-10	1.03E-10	2.26E-10	1.39E-09	1.20E-09	2.59E-09
875	651196.5	4194192	1.38E-09	1.22E-09	2.60E-09	2.28E-10	2.11E-10	4.40E-10	1.26E-10	1.05E-10	2.31E-10	1.42E-09	1.22E-09	2.64E-09
876	650924.7	4194438	1.35E-09	1.19E-09	2.54E-09	2.24E-10	2.07E-10	4.31E-10	1.23E-10	1.03E-10	2.26E-10	1.39E-09	1.20E-09	2.59E-09
877	650917.5	4194461	1.38E-09	1.22E-09	2.59E-09	2.28E-10	2.11E-10	4.39E-10	1.26E-10	1.05E-10	2.30E-10	1.42E-09	1.22E-09	2.64E-09
878	650910.2	4194485	1.41E-09	1.25E-09	2.67E-09	2.34E-10	2.17E-10	4.52E-10	1.29E-10	1.08E-10	2.37E-10	1.46E-09	1.25E-09	2.71E-09
879	650903	4194508	1.47E-09	1.30E-09	2.76E-09	2.43E-10	2.25E-10	4.68E-10	1.34E-10	1.12E-10	2.46E-10	1.51E-09	1.30E-09	2.81E-09
880	650895.7	4194532	1.53E-09	1.35E-09	2.88E-09	2.53E-10	2.35E-10	4.88E-10	1.40E-10	1.17E-10	2.56E-10	1.58E-09	1.36E-09	2.93E-09
881	650888.5	4194555	1.60E-09	1.41E-09	3.01E-09	2.65E-10	2.46E-10	5.11E-10	1.46E-10	1.22E-10	2.68E-10	1.65E-09	1.42E-09	3.07E-09
882	650881.2	4194579	1.67E-09	1.48E-09	3.15E-09	2.78E-10	2.57E-10	5.35E-10	1.53E-10	1.28E-10	2.80E-10	1.73E-09	1.48E-09	3.21E-09
883	650874	4194602	1.75E-09	1.55E-09	3.30E-09	2.90E-10	2.69E-10	5.59E-10	1.60E-10	1.33E-10	2.93E-10	1.81E-09	1.55E-09	3.36E-09
884	650866.7	4194626	1.83E-09	1.62E-09	3.45E-09	3.04E-10	2.81E-10	5.85E-10	1.67E-10	1.40E-10	3.07E-10	1.89E-09	1.62E-09	3.51E-09
885	650859.4	4194649	1.91E-09	1.69E-09	3.61E-09	3.17E-10	2.94E-10	6.11E-10	1.75E-10	1.46E-10	3.20E-10	1.98E-09	1.70E-09	3.67E-09
886	650852.2	4194673	2.00E-09	1.77E-09	3.76E-09	3.31E-10	3.07E-10	6.38E-10	1.82E-10	1.52E-10	3.34E-10	2.06E-09	1.77E-09	3.83E-09
887	650844.9	4194696	2.08E-09	1.84E-09	3.92E-09	3.45E-10	3.19E-10	6.64E-10	1.90E-10	1.58E-10	3.48E-10	2.15E-09	1.85E-09	3.99E-09
888	650837.7	4194720	2.16E-09	1.91E-09	4.06E-09	3.57E-10	3.31E-10	6.88E-10	1.97E-10	1.64E-10	3.61E-10	2.23E-09	1.91E-09	4.14E-09
889	650830.4	4194743	2.22E-09	1.96E-09	4.18E-09	3.68E-10	3.41E-10	7.09E-10	2.03E-10	1.69E-10	3.72E-10	2.29E-09	1.97E-09	4.26E-09
890	650823.2	4194767	2.27E-09	2.01E-09	4.27E-09	3.76E-10	3.48E-10	7.24E-10	2.07E-10	1.73E-10	3.80E-10	2.34E-09	2.01E-09	4.35E-09
891	650815.9	4194790	2.30E-09	2.03E-09	4.33E-09	3.81E-10	3.53E-10	7.34E-10	2.10E-10	1.75E-10	3.85E-10	2.37E-09	2.04E-09	4.41E-09
892	650843	4194389	1.00E-09	8.87E-10	1.89E-09	1.66E-10	1.54E-10	3.20E-10	9.15E-11	7.64E-11	1.68E-10	1.03E-09	8.89E-10	1.92E-09
893	650856.8	4194369	1.02E-09	9.02E-10	1.92E-09	1.69E-10	1.57E-10	3.26E-10	9.31E-11	7.77E-11	1.71E-10	1.05E-09	9.05E-10	1.96E-09
894	650870.6	4194350	1.04E-09	9.19E-10	1.96E-09	1.72E-10	1.60E-10	3.32E-10	9.48E-11	7.92E-11	1.74E-10	1.07E-09	9.22E-10	1.99E-09
895	650884.3	4194330	1.06E-09	9.35E-10	1.99E-09	1.75E-10	1.62E-10	3.38E-10	9.65E-11	8.06E-11	1.77E-10	1.09E-09	9.38E-10	2.03E-09
896	650898.1	4194311	1.07E-09	9.48E-10	2.02E-09	1.78E-10	1.65E-10	3.42E-10	9.78E-11	8.17E-11	1.79E-10	1.11E-09	9.51E-10	2.06E-09
897	650911.9	4194291	1.08E-09	9.56E-10	2.04E-09	1.79E-10	1.66E-10	3.45E-10	9.86E-11	8.23E-11	1.81E-10	1.12E-09	9.58E-10	2.07E-09
898	650925.7	4194272	1.08E-09	9.58E-10	2.04E-09	1.80E-10	1.66E-10	3.46E-10	9.89E-11	8.26E-11	1.81E-10	1.12E-09	9.61E-10	2.08E-09
899	650939.5	4194252	1.08E-09	9.56E-10	2.04E-09	1.79E-10	1.66E-10	3.45E-10	9.86E-11	8.24E-11	1.81E-10	1.12E-09	9.59E-10	2.07E-09
900	650953.3	4194232	1.07E-09	9.49E-10	2.02E-09	1.78E-10	1.65E-10	3.43E-10	9.79E-11	8.18E-11	1.80E-10	1.11E-09	9.52E-10	2.06E-09
901	650967	4194213	1.06E-09	9.37E-10	2.00E-09	1.76E-10	1.63E-10	3.38E-10	9.66E-11	8.07E-11	1.77E-10	1.09E-09	9.40E-10	2.03E-09
902	650980.8	4194193	1.04E-09	9.19E-10	1.96E-09	1.72E-10	1.59E-10	3.32E-10	9.48E-11	7.91E-11	1.74E-10	1.07E-09	9.21E-10	1.99E-09
903	650994.6	4194174	1.01E-09	8.94E-10	1.91E-09	1.68E-10	1.55E-10	3.23E-10	9.23E-11	7.71E-11	1.69E-10	1.04E-09	8.97E-10	1.94E-09
904	651121.6	4194116	9.81E-10	8.68E-10	1.85E-09	1.63E-10	1.51E-10	3.13E-10	8.95E-11	7.48E-11	1.64E-10	1.01E-09	8.70E-10	1.88E-09
905	651144.2	4194109	9.97E-10	8.81E-10	1.88E-09	1.65E-10	1.53E-10	3.18E-10	9.09E-11	7.59E-11	1.67E-10	1.03E-09	8.84E-10	1.91E-09
906	651166.9	4194101	1.02E-09	9.01E-10	1.92E-09	1.69E-10	1.56E-10	3.25E-10	9.30E-11	7.76E-11	1.71E-10	1.05E-09	9.04E-10	1.96E-09
907	651189.5	4194094	1.04E-09	9.24E-10	1.97E-09	1.73E-10	1.60E-10	3.34E-10	9.53E-11	7.96E-11	1.75E-10	1.08E-09	9.27E-10	2.00E-09
908	651212.2	4194086	1.07E-09	9.47E-10	2.02E-09	1.77E-10	1.64E-10	3.42E-10	9.77E-11	8.16E-11	1.79E-10	1.11E-09	9.50E-10	2.05E-09
909	650829.2	4194408	9.90E-10	8.75E-10	1.87E-09	1.64E-10	1.52E-10	3.16E-10	9.03E-11	7.54E-11	1.66E-10	1.02E-09	8.78E-10	1.90E-09
910	650821.9	4194432	1.01E-09	8.89E-10	1.89E-09	1.67E-10	1.54E-10	3.21E-10	9.17E-11	7.66E-11	1.68E-10	1.04E-09	8.91E-10	1.93E-09
911	650814.7	4194455	1.03E-09	9.09E-10	1.94E-09	1.70E-10	1.58E-10	3.28E-10	9.38E-11	7.83E-11	1.72E-10	1.06E-09	9.12E-10	1.97E-09
912	650807.4	4194479	1.06E-09	9.36E-10	1.99E-09	1.75E-10	1.63E-10	3.38E-10	9.66E-11	8.07E-11	1.77E-10	1.09E-09	9.39E-10	2.03E-09
913	650800.2	4194502	1.10E-09	9.69E-10	2.07E-09	1.82E-10	1.68E-10	3.50E-10	1.00E-10	8.35E-11	1.83E-10	1.13E-09	9.72E-10	2.10E-09
914	650792.9	4194526	1.14E-09	1.01E-09	2.15E-09	1.89E-10	1.75E-10	3.64E-10	1.04E-10	8.68E-11	1.91E-10	1.18E-09	1.01E-09	2.19E-09
915	650785.7	4194549	1.19E-09	1.05E-09	2.24E-09	1.97E-10	1.82E-10	3.80E-10	1.08E-10	9.06E-11	1.99E-10	1.23E-09	1.05E-09	2.28E-09
916	650778.4	4194573	1.24E-09	1.10E-09	2.34E-09	2.06E-10	1.91E-10	3.97E-10	1.13E-10	9.47E-11	2.08E-10	1.28E-09	1.10E-09	2.39E-09
917	650771.2	4194596	1.30E-09	1.15E-09	2.45E-09	2.16E-10	2.00E-10	4.16E-10	1.19E-10	9.92E-11	2.18E-10	1.34E-09	1.16E-09	2.50E-09
918	650763.9	4194620	1.36E-09	1.21E-09	2.57E-09	2.26E-10	2.09E-10	4.35E-10	1.24E-10	1.04E-10	2.28E-10	1.41E-09	1.21E-09	2.62E-09
919	650756.6	4194643	1.42E-09	1.26E-09	2.68E-09	2.36E-10	2.18E-10	4.54E-10	1.30E-10	1.08E-10	2.38E-10	1.47E-09	1.26E-09	2.73E-09
920	650749.4	4194667	1.48E-09	1.31E-09	2.79E-09	2.45E-10	2.27E-10	4.72E-10	1.35E-10	1.13E-10	2.48E-10	1.53E-09	1.31E-09	2.84E-09

921	650742.1	4194690	1.53E-09	1.35E-09	2.89E-09	2.54E-10	2.35E-10	4.89E-10	1.40E-10	1.17E-10	2.56E-10	1.58E-09	1.36E-09	2.94E-09
922	650734.9	4194714	1.58E-09	1.40E-09	2.97E-09	2.62E-10	2.42E-10	5.04E-10	1.44E-10	1.20E-10	2.64E-10	1.63E-09	1.40E-09	3.03E-09
923	650727.6	4194737	1.62E-09	1.43E-09	3.05E-09	2.68E-10	2.48E-10	5.17E-10	1.48E-10	1.23E-10	2.71E-10	1.67E-09	1.43E-09	3.10E-09
924	650720.4	4194761	1.65E-09	1.46E-09	3.11E-09	2.74E-10	2.53E-10	5.27E-10	1.51E-10	1.26E-10	2.76E-10	1.70E-09	1.46E-09	3.17E-09
925	650747.1	4194360	7.75E-10	6.85E-10	1.46E-09	1.28E-10	1.19E-10	2.47E-10	7.07E-11	5.90E-11	1.30E-10	8.00E-10	6.87E-10	1.49E-09
926	650760.5	4194341	7.86E-10	6.95E-10	1.48E-09	1.30E-10	1.21E-10	2.51E-10	7.17E-11	5.99E-11	1.32E-10	8.11E-10	6.97E-10	1.51E-09
927	650774	4194321	7.99E-10	7.06E-10	1.51E-09	1.32E-10	1.23E-10	2.55E-10	7.29E-11	6.09E-11	1.34E-10	8.25E-10	7.09E-10	1.53E-09
928	650787.4	4194302	8.13E-10	7.19E-10	1.53E-09	1.35E-10	1.25E-10	2.59E-10	7.41E-11	6.19E-11	1.36E-10	8.39E-10	7.21E-10	1.56E-09
929	650800.8	4194283	8.25E-10	7.30E-10	1.55E-09	1.37E-10	1.27E-10	2.63E-10	7.53E-11	6.29E-11	1.38E-10	8.52E-10	7.32E-10	1.58E-09
930	650814.3	4194264	8.36E-10	7.39E-10	1.57E-09	1.39E-10	1.28E-10	2.67E-10	7.62E-11	6.37E-11	1.40E-10	8.62E-10	7.41E-10	1.60E-09
931	650827.7	4194245	8.43E-10	7.46E-10	1.59E-09	1.40E-10	1.29E-10	2.69E-10	7.69E-11	6.42E-11	1.41E-10	8.70E-10	7.48E-10	1.62E-09
932	650841.2	4194226	8.48E-10	7.50E-10	1.60E-09	1.41E-10	1.30E-10	2.71E-10	7.74E-11	6.46E-11	1.42E-10	8.75E-10	7.52E-10	1.63E-09
933	650854.6	4194207	8.51E-10	7.52E-10	1.60E-09	1.41E-10	1.31E-10	2.72E-10	7.76E-11	6.48E-11	1.42E-10	8.78E-10	7.55E-10	1.63E-09
934	650868	4194188	8.52E-10	7.53E-10	1.61E-09	1.41E-10	1.31E-10	2.72E-10	7.77E-11	6.49E-11	1.43E-10	8.79E-10	7.56E-10	1.64E-09
935	650881.5	4194169	8.51E-10	7.52E-10	1.60E-09	1.41E-10	1.31E-10	2.72E-10	7.76E-11	6.48E-11	1.42E-10	8.78E-10	7.55E-10	1.63E-09
936	650921.8	4194112	8.24E-10	7.29E-10	1.55E-09	1.37E-10	1.26E-10	2.63E-10	7.52E-11	6.28E-11	1.38E-10	8.50E-10	7.31E-10	1.58E-09
937	650935.2	4194093	8.04E-10	7.11E-10	1.52E-09	1.33E-10	1.23E-10	2.57E-10	7.34E-11	6.13E-11	1.35E-10	8.30E-10	7.13E-10	1.54E-09
938	650970.8	4194067	7.74E-10	6.84E-10	1.46E-09	1.28E-10	1.19E-10	2.47E-10	7.06E-11	5.89E-11	1.30E-10	7.99E-10	6.86E-10	1.48E-09
939	650992.8	4194059	7.66E-10	6.77E-10	1.44E-09	1.27E-10	1.18E-10	2.44E-10	6.99E-11	5.83E-11	1.28E-10	7.90E-10	6.79E-10	1.47E-09
940	651014.9	4194052	7.57E-10	6.70E-10	1.43E-09	1.26E-10	1.16E-10	2.42E-10	6.91E-11	5.77E-11	1.27E-10	7.82E-10	6.72E-10	1.45E-09
941	651037	4194045	7.52E-10	6.65E-10	1.42E-09	1.25E-10	1.15E-10	2.40E-10	6.86E-11	5.73E-11	1.26E-10	7.76E-10	6.67E-10	1.44E-09
942	651059.1	4194037	7.50E-10	6.63E-10	1.41E-09	1.24E-10	1.15E-10	2.39E-10	6.84E-11	5.71E-11	1.26E-10	7.74E-10	6.65E-10	1.44E-09
943	651081.1	4194030	7.55E-10	6.68E-10	1.42E-09	1.25E-10	1.16E-10	2.41E-10	6.89E-11	5.75E-11	1.26E-10	7.79E-10	6.70E-10	1.45E-09
944	651103.2	4194022	7.67E-10	6.78E-10	1.45E-09	1.27E-10	1.18E-10	2.45E-10	7.00E-11	5.84E-11	1.28E-10	7.92E-10	6.80E-10	1.47E-09
945	651125.3	4194015	7.85E-10	6.94E-10	1.48E-09	1.30E-10	1.20E-10	2.51E-10	7.16E-11	5.98E-11	1.31E-10	8.10E-10	6.96E-10	1.51E-09
946	651147.4	4194007	8.07E-10	7.13E-10	1.52E-09	1.34E-10	1.24E-10	2.58E-10	7.36E-11	6.15E-11	1.35E-10	8.33E-10	7.16E-10	1.55E-09
947	651169.4	4194000	8.30E-10	7.34E-10	1.56E-09	1.38E-10	1.27E-10	2.65E-10	7.57E-11	6.33E-11	1.39E-10	8.57E-10	7.36E-10	1.59E-09
948	651191.5	4193993	8.52E-10	7.54E-10	1.61E-09	1.41E-10	1.31E-10	2.72E-10	7.77E-11	6.49E-11	1.43E-10	8.79E-10	7.56E-10	1.64E-09
949	651213.6	4193985	8.70E-10	7.69E-10	1.64E-09	1.44E-10	1.33E-10	2.78E-10	7.93E-11	6.62E-11	1.46E-10	8.97E-10	7.71E-10	1.67E-09
950	650733.6	4194379	7.67E-10	6.78E-10	1.45E-09	1.27E-10	1.18E-10	2.45E-10	7.00E-11	5.84E-11	1.28E-10	7.92E-10	6.80E-10	1.47E-09
951	650726.4	4194402	7.76E-10	6.87E-10	1.46E-09	1.29E-10	1.19E-10	2.48E-10	7.08E-11	5.92E-11	1.30E-10	8.01E-10	6.89E-10	1.49E-09
952	650719.1	4194426	7.90E-10	6.99E-10	1.49E-09	1.31E-10	1.21E-10	2.52E-10	7.21E-11	6.02E-11	1.32E-10	8.15E-10	7.01E-10	1.52E-09
953	650711.9	4194449	8.08E-10	7.15E-10	1.52E-09	1.34E-10	1.24E-10	2.58E-10	7.37E-11	6.16E-11	1.35E-10	8.34E-10	7.17E-10	1.55E-09
954	650704.6	4194473	8.31E-10	7.35E-10	1.57E-09	1.38E-10	1.28E-10	2.65E-10	7.59E-11	6.33E-11	1.39E-10	8.58E-10	7.37E-10	1.60E-09
955	650697.4	4194496	8.60E-10	7.61E-10	1.62E-09	1.43E-10	1.32E-10	2.75E-10	7.85E-11	6.55E-11	1.44E-10	8.88E-10	7.63E-10	1.65E-09
956	650690.1	4194520	8.95E-10	7.91E-10	1.69E-09	1.48E-10	1.37E-10	2.86E-10	8.17E-11	6.82E-11	1.50E-10	9.24E-10	7.94E-10	1.72E-09
957	650682.9	4194543	9.36E-10	8.28E-10	1.76E-09	1.55E-10	1.44E-10	2.99E-10	8.54E-11	7.13E-11	1.57E-10	9.66E-10	8.30E-10	1.80E-09
958	650675.6	4194567	9.81E-10	8.68E-10	1.85E-09	1.63E-10	1.51E-10	3.13E-10	8.95E-11	7.48E-11	1.64E-10	1.01E-09	8.70E-10	1.88E-09
959	650668.4	4194590	1.03E-09	9.10E-10	1.94E-09	1.71E-10	1.58E-10	3.29E-10	9.39E-11	7.84E-11	1.72E-10	1.06E-09	9.13E-10	1.97E-09
960	650661.1	4194614	1.08E-09	9.52E-10	2.03E-09	1.78E-10	1.65E-10	3.44E-10	9.82E-11	8.20E-11	1.80E-10	1.11E-09	9.54E-10	2.07E-09
961	650653.8	4194637	1.12E-09	9.90E-10	2.11E-09	1.86E-10	1.72E-10	3.58E-10	1.02E-10	8.53E-11	1.87E-10	1.16E-09	9.93E-10	2.15E-09
962	650646.6	4194661	1.16E-09	1.02E-09	2.18E-09	1.92E-10	1.78E-10	3.70E-10	1.06E-10	8.83E-11	1.94E-10	1.20E-09	1.03E-09	2.22E-09
963	650639.3	4194684	1.19E-09	1.05E-09	2.25E-09	1.98E-10	1.83E-10	3.81E-10	1.09E-10	9.08E-11	2.00E-10	1.23E-09	1.06E-09	2.29E-09
964	650632.1	4194708	1.22E-09	1.08E-09	2.30E-09	2.02E-10	1.87E-10	3.90E-10	1.11E-10	9.30E-11	2.04E-10	1.26E-09	1.08E-09	2.34E-09
965	650624.8	4194731	1.25E-09	1.10E-09	2.35E-09	2.06E-10	1.91E-10	3.98E-10	1.14E-10	9.49E-11	2.09E-10	1.29E-09	1.10E-09	2.39E-09
966	650652	4194329	6.25E-10	5.53E-10	1.18E-09	1.04E-10	9.59E-11	2.00E-10	5.70E-11	4.76E-11	1.05E-10	6.45E-10	5.54E-10	1.20E-09
967	650666	4194310	6.33E-10	5.60E-10	1.19E-09	1.05E-10	9.72E-11	2.02E-10	5.78E-11	4.82E-11	1.06E-10	6.53E-10	5.62E-10	1.22E-09
968	650679.9	4194290	6.43E-10	5.68E-10	1.21E-09	1.07E-10	9.87E-11	2.05E-10	5.86E-11	4.90E-11	1.08E-10	6.63E-10	5.70E-10	1.23E-09
969	650693.8	4194270	6.53E-10	5.77E-10	1.23E-09	1.08E-10	1.00E-10	2.08E-10	5.96E-11	4.97E-11	1.09E-10	6.74E-10	5.79E-10	1.25E-09
970	650707.8	4194250	6.63E-10	5.86E-10	1.25E-09	1.10E-10	1.02E-10	2.12E-10	6.05E-11	5.05E-11	1.11E-10	6.84E-10	5.88E-10	1.27E-09
971	650721.7	4194231	6.71E-10	5.94E-10	1.26E-09	1.11E-10	1.03E-10	2.14E-10	6.12E-11	5.11E-11	1.12E-10	6.93E-10	5.95E-10	1.29E-09
972	650735.7	4194211	6.78E-10	5.99E-10	1.28E-09	1.12E-10	1.04E-10	2.16E-10	6.18E-11	5.16E-11	1.13E-10	7.00E-10	6.01E-10	1.30E-09
973	650749.6	4194191	6.82E-10	6.03E-10	1.29E-09	1.13E-10	1.05E-10	2.18E-10	6.23E-11	5.20E-11	1.14E-10	7.04E-10	6.05E-10	1.31E-09
974	650763.5	4194172	6.86E-10	6.07E-10	1.29E-09	1.14E-10	1.05E-10	2.19E-10	6.26E-11	5.23E-11	1.15E-10	7.08E-10	6.08E-10	1.32E-09
975	650805.3	4194112	6.95E-10	6.14E-10	1.31E-09	1.15E-10	1.07E-10	2.22E-10	6.34E-11	5.29E-11	1.16E-10	7.17E-10	6.16E-10	1.33E-09
976	650819.3	4194093	6.96E-10	6.16E-10	1.31E-09	1.15E-10	1.07E-10	2.22E-10	6.35E-11	5.30E-11	1.17E-10	7.19E-10	6.18E-10	1.34E-09
977	650833.2	4194073	6.95E-10	6.14E-10	1.31E-09	1.15E-10	1.07E-10	2.22E-10	6.34E-11	5.29E-11	1.16E-10	7.17E-10	6.16E-10	1.33E-09
978	650847.2	4194053	6.89E-10	6.09E-10	1.30E-09	1.14E-10	1.06E-10	2.20E-10	6.28E-11	5.25E-11	1.15E-10	7.11E-10	6.11E-10	1.32E-09
979	650861.1	4194033	6.78E-10	6.00E-10	1.28E-09	1.12E-10	1.04E-10	2.16E-10	6.19E-11	5.17E-11	1.14E-10	7.00E-10	6.01E-10	1.30E-09
980	650875	4194014	6.63E-10	5.86E-10	1.25E-09	1.10E-10	1.02E-10	2.12E-10	6.04E-11	5.05E-11	1.11E-10	6.84E-10	5.88E-10	1.27E-09
981	650911.9	4193986	6.36E-10	5.62E-10	1.20E-09	1.05E-10	9.76E-11	2.03E-10	5.80E-11	4.85E-11	1.06E-10	6.56E-10	5.64E-10	1.22E-09
982	650934.8	4193979	6.26E-10	5.54E-10	1.18E-09	1.04E-10	9.62E-11	2.00E-10	5.72E-11	4.77E-11	1.05E-10	6.47E-10	5.56E-10	1.20E-09
983	650957.7	4193971	6.16E-10	5.45E-10	1.16E-09	1.02E-10	9.45E-11	1.97E-10	5.62E-11	4.69E-11	1.03E-10	6.36E-10	5.46E-10	1.18E-09
984	650980.5	4193963	6.06E-10	5.36E-10	1.14E-09	1.00E-10	9.31E-11	1.94E-10	5.53E-11	4.62E-11	1.02E-10	6.26E-10	5.38E-10	1.16E-09
985	651003.4	4193956	6.00E-10	5.31E-10	1.13E-09	9.95E-11	9.21E-11	1.92E-10	5.47E-11	4.57E-11	1.00E-10	6.19E-10	5.32E-10	1.15E-09
986	651026.3	4193948	5.99E-10	5.30E-10	1.13E-09	9.93E-11	9.20E-11	1.91E-10	5.47E-11	4.57E-11	1.00E-10	6.18E-10	5.32E-10	1.15E-09
987	651049.2	4193940	6.05E-10	5.35E-10	1.14E-09	1.00E-10	9.29E-11	1.93E-10	5.52E-11	4.61E-11	1.01E-10	6.25E-10	5.37E-10	1.16E-09
988	651072.1	4193933	6.18E-10	5.47E-10	1.16E-09	1.02E-10	9.49E-11	1.97E-10	5.64E-11	4.71E-11	1.04E-10	6.38E-10	5.48E-10	1.19E-09
989	651095	4193925	6.37E-10	5.63E-10	1.20E-09	1.06E-10	9.77E-11	2.03E-10	5.81E-11	4.85E-11	1.07E-10	6.57E-10	5.65E-10	1.22E-09
990	651117.9	4193917	6.59E-10	5.83E-10	1.24E-09	1.09E-10	1.01E-10	2.10E-10	6.01E-11	5.02E-11	1.10E-10	6.80E-10	5.85E-10	1.26E-09
991	651140.8	4193909	6.82E-10	6.03E-10	1.28E-09	1.13E-10	1.05E-10	2.18E-10	6.22E-11	5.19E-11	1.14E-10	7.04E-10	6.05E-10	1.31E-09
992	651163.7	4193902	7.03E-10	6.22E-10	1.32E-09	1.17E-10	1.08E-10	2.24E-10	6.41E-11	5.36E-11	1.18E-10	7.26E-10	6.24E-10	1.35E-09
993	651186.6	4193894	7.19E-10	6.36E-10	1.36E-09	1.19E-10	1.10E-10	2.30E-10	6.56E-11	5.48E-11	1.20E-10	7.43E-10	6.38E-10	1.38E-09
994	651209.5	4193886	7.30E-10	6.45E-10	1.37E-09	1.21E-10	1.12E-10	2.33E-10	6.66E-11	5.56E-11	1.22E-10	7.53E-10	6.47E-10	1.40E-09
995	651232.4	4193879	7.32E-10	6.47E-10	1.38E-09	1.21E-10	1.12E-10	2.34E-10	6.68E-11	5.58E-11	1.23E-10	7.55E-10	6.49E-10	1.40E-09
996	651255.3	4193871	7.35E-10	6.50E-10	1.39E-09	1.22E-10	1.13E-10	2.35E-10	6.71E-11	5.60E-11	1.23E-10	7.59E-10	6.52E-10	1.41E-09
997	651278.1	4193863	7.37E-10	6.51E-10	1.39E-09	1.22E-10	1.13E-10	2.35E-10	6.72E-11	5.61E-11	1.23E-10	7.60E-10	6.53E-10	1.41E-09

998	650638.1	4194349	6.18E-10	5.47E-10	1.16E-09	1.02E-10	9.49E-11	1.97E-10	5.64E-11	4.71E-11	1.04E-10	6.38E-10	5.48E-10	1.19E-09
999	650630.8	4194373	6.23E-10	5.51E-10	1.17E-09	1.03E-10	9.56E-11	1.99E-10	5.68E-11	4.75E-11	1.04E-10	6.43E-10	5.53E-10	1.20E-09
1000	650623.6	4194396	6.31E-10	5.58E-10	1.19E-09	1.05E-10	9.68E-11	2.01E-10	5.75E-11	4.80E-11	1.06E-10	6.51E-10	5.59E-10	1.21E-09
1001	650616.3	4194420	6.42E-10	5.67E-10	1.21E-09	1.06E-10	9.85E-11	2.05E-10	5.85E-11	4.89E-11	1.07E-10	6.62E-10	5.69E-10	1.23E-09
1002	650609.1	4194443	6.57E-10	5.81E-10	1.24E-09	1.09E-10	1.01E-10	2.10E-10	6.00E-11	5.01E-11	1.10E-10	6.78E-10	5.83E-10	1.26E-09
1003	650601.8	4194467	6.78E-10	6.00E-10	1.28E-09	1.12E-10	1.04E-10	2.16E-10	6.19E-11	5.17E-11	1.14E-10	7.00E-10	6.01E-10	1.30E-09
1004	650594.6	4194490	7.04E-10	6.23E-10	1.33E-09	1.17E-10	1.08E-10	2.25E-10	6.43E-11	5.37E-11	1.18E-10	7.27E-10	6.25E-10	1.35E-09
1005	650587.3	4194514	7.36E-10	6.51E-10	1.39E-09	1.22E-10	1.13E-10	2.35E-10	6.71E-11	5.60E-11	1.23E-10	7.59E-10	6.52E-10	1.41E-09
1006	650580.1	4194537	7.71E-10	6.82E-10	1.45E-09	1.28E-10	1.18E-10	2.46E-10	7.04E-11	5.87E-11	1.29E-10	7.96E-10	6.84E-10	1.48E-09
1007	650572.8	4194561	8.09E-10	7.15E-10	1.52E-09	1.34E-10	1.24E-10	2.58E-10	7.38E-11	6.16E-11	1.35E-10	8.35E-10	7.17E-10	1.55E-09
1008	650565.5	4194584	8.47E-10	7.49E-10	1.60E-09	1.40E-10	1.30E-10	2.70E-10	7.72E-11	6.45E-11	1.42E-10	8.74E-10	7.51E-10	1.62E-09
1009	650558.3	4194608	8.82E-10	7.80E-10	1.66E-09	1.46E-10	1.35E-10	2.82E-10	8.05E-11	6.72E-11	1.48E-10	9.11E-10	7.83E-10	1.69E-09
1010	650551	4194631	9.15E-10	8.09E-10	1.72E-09	1.52E-10	1.40E-10	2.92E-10	8.35E-11	6.97E-11	1.53E-10	9.44E-10	8.11E-10	1.76E-09
1011	650543.8	4194655	9.42E-10	8.33E-10	1.78E-09	1.56E-10	1.45E-10	3.01E-10	8.60E-11	7.18E-11	1.58E-10	9.73E-10	8.36E-10	1.81E-09
1012	650536.5	4194678	9.65E-10	8.54E-10	1.82E-09	1.60E-10	1.48E-10	3.08E-10	8.81E-11	7.35E-11	1.62E-10	9.96E-10	8.56E-10	1.85E-09
1013	650529.3	4194702	9.84E-10	8.70E-10	1.85E-09	1.63E-10	1.51E-10	3.14E-10	8.98E-11	7.50E-11	1.65E-10	1.02E-09	8.73E-10	1.89E-09
1014	650461	4194270	4.38E-10	3.88E-10	8.26E-10	7.26E-11	6.73E-11	1.40E-10	4.00E-11	3.34E-11	7.34E-11	4.52E-10	3.89E-10	8.41E-10
1015	650475	4194250	4.45E-10	3.94E-10	8.39E-10	7.38E-11	6.84E-11	1.42E-10	4.06E-11	3.39E-11	7.46E-11	4.60E-10	3.95E-10	8.55E-10
1016	650489.1	4194231	4.52E-10	4.00E-10	8.53E-10	7.50E-11	6.95E-11	1.44E-10	4.13E-11	3.45E-11	7.57E-11	4.67E-10	4.01E-10	8.68E-10
1017	650503.1	4194211	4.59E-10	4.06E-10	8.65E-10	7.61E-11	7.05E-11	1.47E-10	4.19E-11	3.50E-11	7.69E-11	4.74E-10	4.07E-10	8.81E-10
1018	650517.1	4194191	4.66E-10	4.12E-10	8.77E-10	7.72E-11	7.15E-11	1.49E-10	4.25E-11	3.55E-11	7.79E-11	4.80E-10	4.13E-10	8.93E-10
1019	650531.1	4194171	4.71E-10	4.17E-10	8.88E-10	7.81E-11	7.23E-11	1.50E-10	4.30E-11	3.59E-11	7.89E-11	4.86E-10	4.18E-10	9.04E-10
1020	650573.2	4194111	4.81E-10	4.25E-10	9.06E-10	7.97E-11	7.38E-11	1.54E-10	4.39E-11	3.66E-11	8.05E-11	4.96E-10	4.27E-10	9.23E-10
1021	650587.2	4194092	4.82E-10	4.26E-10	9.09E-10	7.99E-11	7.40E-11	1.54E-10	4.40E-11	3.67E-11	8.07E-11	4.98E-10	4.28E-10	9.26E-10
1022	650601.3	4194072	4.83E-10	4.27E-10	9.10E-10	8.01E-11	7.42E-11	1.54E-10	4.41E-11	3.68E-11	8.09E-11	4.99E-10	4.28E-10	9.27E-10
1023	650615.3	4194052	4.84E-10	4.28E-10	9.12E-10	8.03E-11	7.43E-11	1.55E-10	4.42E-11	3.69E-11	8.11E-11	5.00E-10	4.29E-10	9.29E-10
1024	650629.3	4194032	4.86E-10	4.30E-10	9.16E-10	8.06E-11	7.46E-11	1.55E-10	4.44E-11	3.70E-11	8.14E-11	5.02E-10	4.31E-10	9.33E-10
1025	650643.3	4194012	4.89E-10	4.33E-10	9.22E-10	8.11E-11	7.51E-11	1.56E-10	4.46E-11	3.73E-11	8.19E-11	5.05E-10	4.34E-10	9.39E-10
1026	650657.4	4193992	4.93E-10	4.36E-10	9.30E-10	8.18E-11	7.57E-11	1.58E-10	4.50E-11	3.76E-11	8.26E-11	5.09E-10	4.38E-10	9.47E-10
1027	650671.4	4193973	4.97E-10	4.40E-10	9.37E-10	8.24E-11	7.64E-11	1.59E-10	4.54E-11	3.79E-11	8.33E-11	5.13E-10	4.41E-10	9.55E-10
1028	650685.4	4193953	5.01E-10	4.43E-10	9.43E-10	8.30E-11	7.69E-11	1.60E-10	4.57E-11	3.81E-11	8.38E-11	5.17E-10	4.44E-10	9.61E-10
1029	650699.4	4193933	5.02E-10	4.44E-10	9.47E-10	8.33E-11	7.71E-11	1.60E-10	4.58E-11	3.83E-11	8.41E-11	5.18E-10	4.46E-10	9.64E-10
1030	650713.5	4193913	5.02E-10	4.44E-10	9.45E-10	8.32E-11	7.70E-11	1.60E-10	4.58E-11	3.82E-11	8.40E-11	5.18E-10	4.45E-10	9.63E-10
1031	650727.5	4193893	4.98E-10	4.41E-10	9.39E-10	8.26E-11	7.65E-11	1.59E-10	4.55E-11	3.80E-11	8.34E-11	5.14E-10	4.42E-10	9.56E-10
1032	650741.5	4193873	4.92E-10	4.35E-10	9.27E-10	8.15E-11	7.55E-11	1.57E-10	4.49E-11	3.75E-11	8.23E-11	5.08E-10	4.36E-10	9.44E-10
1033	650755.5	4193853	4.82E-10	4.26E-10	9.09E-10	7.99E-11	7.40E-11	1.54E-10	4.40E-11	3.67E-11	8.07E-11	4.98E-10	4.28E-10	9.26E-10
1034	650792.6	4193826	4.65E-10	4.11E-10	8.76E-10	7.70E-11	7.13E-11	1.48E-10	4.24E-11	3.54E-11	7.78E-11	4.80E-10	4.12E-10	8.92E-10
1035	650815.6	4193818	4.57E-10	4.04E-10	8.60E-10	7.57E-11	7.01E-11	1.46E-10	4.17E-11	3.48E-11	7.65E-11	4.71E-10	4.05E-10	8.76E-10
1036	650838.7	4193810	4.46E-10	3.95E-10	8.41E-10	7.40E-11	6.85E-11	1.43E-10	4.07E-11	3.40E-11	7.47E-11	4.61E-10	3.96E-10	8.57E-10
1037	650861.7	4193803	4.35E-10	3.85E-10	8.20E-10	7.22E-11	6.68E-11	1.39E-10	3.97E-11	3.32E-11	7.29E-11	4.49E-10	3.86E-10	8.35E-10
1038	650884.7	4193795	4.25E-10	3.76E-10	8.01E-10	7.04E-11	6.52E-11	1.36E-10	3.88E-11	3.24E-11	7.11E-11	4.39E-10	3.77E-10	8.15E-10
1039	650907.8	4193787	4.17E-10	3.68E-10	7.85E-10	6.91E-11	6.40E-11	1.33E-10	3.80E-11	3.17E-11	6.98E-11	4.30E-10	3.70E-10	8.00E-10
1040	650930.8	4193779	4.12E-10	3.65E-10	7.77E-10	6.83E-11	6.33E-11	1.32E-10	3.76E-11	3.14E-11	6.90E-11	4.26E-10	3.66E-10	7.91E-10
1041	650953.8	4193772	4.13E-10	3.65E-10	7.78E-10	6.84E-11	6.34E-11	1.32E-10	3.77E-11	3.15E-11	6.91E-11	4.26E-10	3.66E-10	7.92E-10
1042	650976.9	4193764	4.19E-10	3.71E-10	7.90E-10	6.95E-11	6.44E-11	1.34E-10	3.83E-11	3.19E-11	7.02E-11	4.33E-10	3.72E-10	8.05E-10
1043	650999.9	4193756	4.31E-10	3.82E-10	8.13E-10	7.15E-11	6.62E-11	1.38E-10	3.94E-11	3.29E-11	7.22E-11	4.45E-10	3.83E-10	8.28E-10
1044	651022.9	4193748	4.48E-10	3.97E-10	8.45E-10	7.43E-11	6.88E-11	1.43E-10	4.09E-11	3.42E-11	7.51E-11	4.63E-10	3.98E-10	8.60E-10
1045	651046	4193741	4.68E-10	4.14E-10	8.83E-10	7.76E-11	7.19E-11	1.50E-10	4.27E-11	3.57E-11	7.84E-11	4.83E-10	4.15E-10	8.99E-10
1046	651069	4193733	4.90E-10	4.33E-10	9.23E-10	8.12E-11	7.52E-11	1.56E-10	4.47E-11	3.73E-11	8.20E-11	5.05E-10	4.34E-10	9.40E-10
1047	651092	4193725	5.10E-10	4.51E-10	9.61E-10	8.45E-11	7.83E-11	1.63E-10	4.65E-11	3.89E-11	8.54E-11	5.26E-10	4.52E-10	9.79E-10
1048	651115.1	4193718	5.27E-10	4.66E-10	9.93E-10	8.74E-11	8.09E-11	1.68E-10	4.81E-11	4.02E-11	8.83E-11	5.44E-10	4.68E-10	1.01E-09
1049	651138.1	4193710	5.39E-10	4.77E-10	1.02E-09	8.94E-11	8.28E-11	1.72E-10	4.92E-11	4.11E-11	9.03E-11	5.57E-10	4.78E-10	1.03E-09
1050	651161.1	4193702	5.45E-10	4.82E-10	1.03E-09	9.04E-11	8.37E-11	1.74E-10	4.98E-11	4.16E-11	9.13E-11	5.63E-10	4.84E-10	1.05E-09
1051	651184.2	4193694	5.46E-10	4.83E-10	1.03E-09	9.05E-11	8.38E-11	1.74E-10	4.98E-11	4.16E-11	9.14E-11	5.63E-10	4.84E-10	1.05E-09
1052	651207.2	4193687	5.41E-10	4.78E-10	1.02E-09	8.97E-11	8.30E-11	1.73E-10	4.94E-11	4.12E-11	9.06E-11	5.58E-10	4.80E-10	1.04E-09
1053	651230.2	4193679	5.33E-10	4.71E-10	1.00E-09	8.83E-11	8.17E-11	1.70E-10	4.86E-11	4.06E-11	8.92E-11	5.50E-10	4.72E-10	1.02E-09
1054	651253.3	4193671	5.22E-10	4.62E-10	9.84E-10	8.66E-11	8.02E-11	1.67E-10	4.76E-11	3.98E-11	8.74E-11	5.39E-10	4.63E-10	1.00E-09
1055	651276.3	4193663	5.12E-10	4.53E-10	9.66E-10	8.49E-11	7.87E-11	1.64E-10	4.68E-11	3.90E-11	8.58E-11	5.29E-10	4.55E-10	9.83E-10
1056	650447	4194290	4.32E-10	3.82E-10	8.14E-10	7.16E-11	6.63E-11	1.38E-10	3.94E-11	3.29E-11	7.23E-11	4.46E-10	3.83E-10	8.29E-10
1057	650439.7	4194314	4.32E-10	3.82E-10	8.14E-10	7.16E-11	6.63E-11	1.38E-10	3.94E-11	3.29E-11	7.23E-11	4.46E-10	3.83E-10	8.29E-10
1058	650432.5	4194337	4.35E-10	3.84E-10	8.19E-10	7.20E-11	6.67E-11	1.39E-10	3.96E-11	3.31E-11	7.28E-11	4.49E-10	3.85E-10	8.34E-10
1059	650425.2	4194361	4.40E-10	3.89E-10	8.29E-10	7.30E-11	6.76E-11	1.41E-10	4.02E-11	3.35E-11	7.37E-11	4.54E-10	3.90E-10	8.45E-10
1060	650418	4194384	4.49E-10	3.97E-10	8.47E-10	7.45E-11	6.90E-11	1.44E-10	4.10E-11	3.42E-11	7.53E-11	4.64E-10	3.99E-10	8.63E-10
1061	650410.7	4194408	4.62E-10	4.09E-10	8.71E-10	7.66E-11	7.10E-11	1.48E-10	4.22E-11	3.52E-11	7.74E-11	4.77E-10	4.10E-10	8.87E-10
1062	650403.5	4194431	4.79E-10	4.24E-10	9.03E-10	7.94E-11	7.36E-11	1.53E-10	4.37E-11	3.65E-11	8.02E-11	4.95E-10	4.25E-10	9.20E-10
1063	650396.2	4194455	4.99E-10	4.41E-10	9.40E-10	8.27E-11	7.66E-11	1.59E-10	4.55E-11	3.80E-11	8.35E-11	5.15E-10	4.43E-10	9.57E-10
1064	650389	4194478	5.21E-10	4.61E-10	9.82E-10	8.64E-11	8.00E-11	1.66E-10	4.76E-11	3.97E-11	8.73E-11	5.38E-10	4.62E-10	1.00E-09
1065	650381.7	4194502	5.45E-10	4.82E-10	1.03E-09	9.04E-11	8.37E-11	1.74E-10	4.97E-11	4.15E-11	9.13E-11	5.63E-10	4.83E-10	1.05E-09
1066	650374.4	4194525	5.70E-10	5.04E-10	1.07E-09	9.44E-11	8.75E-11	1.82E-10	5.20E-11	4.34E-11	9.54E-11	5.88E-10	5.05E-10	1.09E-09
1067	650367.2	4194549	5.94E-10	5.25E-10	1.12E-09	9.84E-11	9.12E-11	1.90E-10	5.42E-11	4.52E-11	9.94E-11	6.13E-10	5.27E-10	1.14E-09
1068	650359.9	4194572	6.17E-10	5.46E-10	1.16E-09	1.02E-10	9.47E-11	1.97E-10	5.63E-11	4.70E-11	1.03E-10	6.37E-10	5.47E-10	1.18E-09
1069	650352.7	4194596	6.38E-10	5.65E-10	1.20E-09	1.06E-10	9.80E-11	2.04E-10	5.82E-11	4.86E-11	1.07E-10	6.59E-10	5.66E-10	1.23E-09
1070	650345.4	4194619	6.57E-10	5.81E-10	1.24E-09	1.09E-10	1.01E-10	2.10E-10	6.00E-11	5.01E-11	1.10E-10	6.78E-10	5.83E-10	1.26E-09
1071	650338.2	4194643	6.73E-10	5.95E-10	1.27E-09	1.12E-10	1.03E-10	2.15E-10	6.14E-11	5.13E-11	1.13E-10	6.95E-10	5.97E-10	1.29E-09
1072	650270	4194211	3.26E-10	2.89E-10	6.15E-10	5.41E-11	5.01E-11	1.04E-10	2.98E-11	2.49E-11	5.47E-11	3.37E-10	2.90E-10	6.26E-10
1073	650284.1	4194191	3.33E-10	2.94E-10	6.27E-10	5.52E-11	5.11E-11	1.06E-10	3.04E-11	2.54E-11	5.57E-11	3.44E-10	2.95E-10	6.39E-10
1074	650298.1	4194171	3.40E-10	3.01E-10	6.40E-10	5.63E-11	5.22E-11	1.08E-10	3.10E-11	2.59E-11	5.69E-11	3.51E-10	3.01E-10	6.52E-10

1075	650312.2	4194151	3.47E-10	3.07E-10	6.54E-10	5.75E-11	5.32E-11	1.11E-10	3.16E-11	2.64E-11	5.81E-11	3.58E-10	3.08E-10	6.66E-10
1076	650326.3	4194131	3.53E-10	3.12E-10	6.66E-10	5.85E-11	5.42E-11	1.13E-10	3.22E-11	2.69E-11	5.91E-11	3.65E-10	3.13E-10	6.78E-10
1077	650340.4	4194111	3.58E-10	3.17E-10	6.76E-10	5.94E-11	5.50E-11	1.14E-10	3.27E-11	2.73E-11	6.00E-11	3.70E-10	3.18E-10	6.88E-10
1078	650354.5	4194092	3.63E-10	3.21E-10	6.83E-10	6.01E-11	5.57E-11	1.16E-10	3.31E-11	2.76E-11	6.07E-11	3.74E-10	3.22E-10	6.96E-10
1079	650368.5	4194072	3.65E-10	3.23E-10	6.88E-10	6.06E-11	5.61E-11	1.17E-10	3.33E-11	2.78E-11	6.12E-11	3.77E-10	3.24E-10	7.01E-10
1080	650382.6	4194052	3.67E-10	3.25E-10	6.92E-10	6.08E-11	5.63E-11	1.17E-10	3.35E-11	2.80E-11	6.15E-11	3.79E-10	3.26E-10	7.04E-10
1081	650396.7	4194032	3.68E-10	3.25E-10	6.93E-10	6.09E-11	5.64E-11	1.17E-10	3.35E-11	2.80E-11	6.16E-11	3.79E-10	3.26E-10	7.06E-10
1082	650410.8	4194012	3.68E-10	3.25E-10	6.93E-10	6.09E-11	5.64E-11	1.17E-10	3.35E-11	2.80E-11	6.16E-11	3.79E-10	3.26E-10	7.06E-10
1083	650424.9	4193992	3.67E-10	3.25E-10	6.92E-10	6.08E-11	5.63E-11	1.17E-10	3.35E-11	2.80E-11	6.15E-11	3.79E-10	3.26E-10	7.04E-10
1084	650438.9	4193972	3.66E-10	3.24E-10	6.90E-10	6.07E-11	5.63E-11	1.17E-10	3.34E-11	2.79E-11	6.13E-11	3.78E-10	3.25E-10	7.03E-10
1085	650453	4193952	3.66E-10	3.24E-10	6.90E-10	6.07E-11	5.62E-11	1.17E-10	3.34E-11	2.79E-11	6.13E-11	3.78E-10	3.25E-10	7.03E-10
1086	650467.1	4193932	3.66E-10	3.24E-10	6.90E-10	6.07E-11	5.63E-11	1.17E-10	3.34E-11	2.79E-11	6.13E-11	3.78E-10	3.25E-10	7.03E-10
1087	650481.2	4193912	3.68E-10	3.25E-10	6.93E-10	6.10E-11	5.65E-11	1.17E-10	3.36E-11	2.80E-11	6.16E-11	3.80E-10	3.26E-10	7.06E-10
1088	650495.3	4193892	3.70E-10	3.27E-10	6.98E-10	6.14E-11	5.68E-11	1.18E-10	3.38E-11	2.82E-11	6.20E-11	3.82E-10	3.28E-10	7.11E-10
1089	650509.3	4193872	3.74E-10	3.30E-10	7.04E-10	6.19E-11	5.74E-11	1.19E-10	3.41E-11	2.85E-11	6.26E-11	3.86E-10	3.31E-10	7.17E-10
1090	650523.4	4193852	3.77E-10	3.34E-10	7.11E-10	6.26E-11	5.79E-11	1.21E-10	3.44E-11	2.88E-11	6.32E-11	3.90E-10	3.35E-10	7.24E-10
1091	650537.5	4193833	3.81E-10	3.37E-10	7.18E-10	6.32E-11	5.85E-11	1.22E-10	3.48E-11	2.90E-11	6.38E-11	3.93E-10	3.38E-10	7.32E-10
1092	650551.6	4193813	3.84E-10	3.40E-10	7.24E-10	6.37E-11	5.90E-11	1.23E-10	3.50E-11	2.93E-11	6.43E-11	3.96E-10	3.41E-10	7.37E-10
1093	650565.7	4193793	3.86E-10	3.41E-10	7.28E-10	6.40E-11	5.93E-11	1.23E-10	3.52E-11	2.94E-11	6.47E-11	3.99E-10	3.43E-10	7.41E-10
1094	650579.7	4193773	3.87E-10	3.42E-10	7.29E-10	6.42E-11	5.94E-11	1.24E-10	3.53E-11	2.95E-11	6.48E-11	4.00E-10	3.43E-10	7.43E-10
1095	650593.8	4193753	3.86E-10	3.42E-10	7.28E-10	6.40E-11	5.93E-11	1.23E-10	3.52E-11	2.94E-11	6.47E-11	3.99E-10	3.43E-10	7.41E-10
1096	650607.9	4193733	3.84E-10	3.40E-10	7.24E-10	6.37E-11	5.90E-11	1.23E-10	3.50E-11	2.93E-11	6.43E-11	3.96E-10	3.41E-10	7.37E-10
1097	650622	4193713	3.80E-10	3.36E-10	7.16E-10	6.30E-11	5.84E-11	1.21E-10	3.47E-11	2.90E-11	6.36E-11	3.92E-10	3.37E-10	7.29E-10
1098	650636.1	4193693	3.74E-10	3.31E-10	7.05E-10	6.21E-11	5.75E-11	1.20E-10	3.42E-11	2.85E-11	6.27E-11	3.86E-10	3.32E-10	7.18E-10
1099	650673.3	4193665	3.63E-10	3.21E-10	6.84E-10	6.01E-11	5.57E-11	1.16E-10	3.31E-11	2.76E-11	6.07E-11	3.75E-10	3.22E-10	6.96E-10
1100	650696.4	4193658	3.57E-10	3.16E-10	6.73E-10	5.92E-11	5.48E-11	1.14E-10	3.26E-11	2.72E-11	5.98E-11	3.68E-10	3.17E-10	6.85E-10
1101	650719.5	4193650	3.49E-10	3.09E-10	6.58E-10	5.79E-11	5.36E-11	1.11E-10	3.19E-11	2.66E-11	5.85E-11	3.60E-10	3.10E-10	6.70E-10
1102	650742.6	4193642	3.40E-10	3.01E-10	6.41E-10	5.64E-11	5.22E-11	1.09E-10	3.10E-11	2.59E-11	5.69E-11	3.51E-10	3.02E-10	6.52E-10
1103	650765.8	4193634	3.30E-10	2.92E-10	6.22E-10	5.47E-11	5.07E-11	1.05E-10	3.01E-11	2.51E-11	5.53E-11	3.41E-10	2.93E-10	6.33E-10
1104	650788.9	4193627	3.20E-10	2.83E-10	6.04E-10	5.31E-11	4.92E-11	1.02E-10	2.92E-11	2.44E-11	5.36E-11	3.31E-10	2.84E-10	6.15E-10
1105	650812	4193619	3.12E-10	2.76E-10	5.88E-10	5.18E-11	4.79E-11	9.97E-11	2.85E-11	2.38E-11	5.23E-11	3.22E-10	2.77E-10	5.99E-10
1106	650835.1	4193611	3.07E-10	2.71E-10	5.78E-10	5.08E-11	4.71E-11	9.79E-11	2.80E-11	2.34E-11	5.13E-11	3.17E-10	2.72E-10	5.89E-10
1107	650858.3	4193603	3.05E-10	2.69E-10	5.74E-10	5.05E-11	4.67E-11	9.72E-11	2.78E-11	2.32E-11	5.10E-11	3.14E-10	2.70E-10	5.84E-10
1108	650881.4	4193595	3.07E-10	2.71E-10	5.78E-10	5.08E-11	4.71E-11	9.79E-11	2.80E-11	2.34E-11	5.13E-11	3.16E-10	2.72E-10	5.88E-10
1109	650904.5	4193588	3.13E-10	2.77E-10	5.90E-10	5.19E-11	4.81E-11	1.00E-10	2.86E-11	2.39E-11	5.24E-11	3.23E-10	2.78E-10	6.01E-10
1110	650927.6	4193580	3.24E-10	2.87E-10	6.11E-10	5.38E-11	4.98E-11	1.04E-10	2.96E-11	2.47E-11	5.43E-11	3.35E-10	2.88E-10	6.22E-10
1111	650950.8	4193572	3.39E-10	3.00E-10	6.39E-10	5.62E-11	5.21E-11	1.08E-10	3.09E-11	2.58E-11	5.68E-11	3.50E-10	3.01E-10	6.51E-10
1112	650973.9	4193564	3.57E-10	3.16E-10	6.73E-10	5.92E-11	5.48E-11	1.14E-10	3.26E-11	2.72E-11	5.98E-11	3.68E-10	3.17E-10	6.85E-10
1113	650997	4193557	3.76E-10	3.32E-10	7.08E-10	6.23E-11	5.77E-11	1.20E-10	3.43E-11	2.86E-11	6.29E-11	3.88E-10	3.33E-10	7.21E-10
1114	651020.1	4193549	3.95E-10	3.49E-10	7.44E-10	6.54E-11	6.06E-11	1.26E-10	3.60E-11	3.01E-11	6.61E-11	4.07E-10	3.50E-10	7.57E-10
1115	651043.3	4193541	4.11E-10	3.64E-10	7.75E-10	6.82E-11	6.31E-11	1.31E-10	3.75E-11	3.13E-11	6.88E-11	4.24E-10	3.65E-10	7.89E-10
1116	651066.4	4193533	4.24E-10	3.75E-10	7.99E-10	7.03E-11	6.51E-11	1.35E-10	3.87E-11	3.23E-11	7.10E-11	4.38E-10	3.76E-10	8.14E-10
1117	651089.5	4193526	4.33E-10	3.83E-10	8.15E-10	7.17E-11	6.64E-11	1.38E-10	3.95E-11	3.30E-11	7.24E-11	4.47E-10	3.84E-10	8.30E-10
1118	651112.7	4193518	4.36E-10	3.86E-10	8.21E-10	7.23E-11	6.69E-11	1.39E-10	3.98E-11	3.32E-11	7.30E-11	4.50E-10	3.87E-10	8.37E-10
1119	651135.8	4193510	4.34E-10	3.84E-10	8.19E-10	7.20E-11	6.67E-11	1.39E-10	3.96E-11	3.31E-11	7.27E-11	4.48E-10	3.85E-10	8.34E-10
1120	651158.9	4193502	4.28E-10	3.79E-10	8.07E-10	7.10E-11	6.57E-11	1.37E-10	3.91E-11	3.26E-11	7.17E-11	4.42E-10	3.80E-10	8.22E-10
1121	651182	4193494	4.18E-10	3.70E-10	7.88E-10	6.93E-11	6.42E-11	1.34E-10	3.82E-11	3.19E-11	7.00E-11	4.32E-10	3.71E-10	8.03E-10
1122	651205.2	4193487	4.07E-10	3.60E-10	7.66E-10	6.74E-11	6.24E-11	1.30E-10	3.71E-11	3.10E-11	6.81E-11	4.20E-10	3.61E-10	7.80E-10
1123	651228.3	4193479	3.94E-10	3.49E-10	7.43E-10	6.53E-11	6.05E-11	1.26E-10	3.60E-11	3.00E-11	6.60E-11	4.07E-10	3.50E-10	7.57E-10
1124	651251.4	4193471	3.83E-10	3.39E-10	7.22E-10	6.35E-11	5.88E-11	1.22E-10	3.50E-11	2.92E-11	6.41E-11	3.95E-10	3.40E-10	7.35E-10
1125	651274.5	4193463	3.74E-10	3.31E-10	7.05E-10	6.20E-11	5.74E-11	1.19E-10	3.41E-11	2.85E-11	6.26E-11	3.86E-10	3.32E-10	7.18E-10
1126	650255.9	4194231	3.21E-10	2.84E-10	6.05E-10	5.32E-11	4.93E-11	1.03E-10	2.93E-11	2.45E-11	5.38E-11	3.31E-10	2.85E-10	6.16E-10
1127	650248.6	4194255	3.21E-10	2.84E-10	6.05E-10	5.32E-11	4.93E-11	1.02E-10	2.93E-11	2.45E-11	5.37E-11	3.31E-10	2.85E-10	6.16E-10
1128	650241.4	4194278	3.23E-10	2.85E-10	6.08E-10	5.35E-11	4.95E-11	1.03E-10	2.94E-11	2.46E-11	5.40E-11	3.33E-10	2.86E-10	6.19E-10
1129	650234.1	4194302	3.27E-10	2.89E-10	6.17E-10	5.42E-11	5.02E-11	1.04E-10	2.99E-11	2.49E-11	5.48E-11	3.38E-10	2.90E-10	6.28E-10
1130	650226.9	4194325	3.34E-10	2.96E-10	6.30E-10	5.54E-11	5.13E-11	1.07E-10	3.05E-11	2.55E-11	5.60E-11	3.45E-10	2.97E-10	6.42E-10
1131	650219.6	4194349	3.44E-10	3.04E-10	6.48E-10	5.70E-11	5.28E-11	1.10E-10	3.14E-11	2.62E-11	5.76E-11	3.55E-10	3.05E-10	6.60E-10
1132	650212.4	4194372	3.56E-10	3.14E-10	6.70E-10	5.89E-11	5.46E-11	1.14E-10	3.24E-11	2.71E-11	5.95E-11	3.67E-10	3.15E-10	6.82E-10
1133	650205.1	4194396	3.69E-10	3.26E-10	6.95E-10	6.12E-11	5.67E-11	1.18E-10	3.37E-11	2.81E-11	6.18E-11	3.81E-10	3.27E-10	7.08E-10
1134	650197.9	4194419	3.84E-10	3.40E-10	7.24E-10	6.36E-11	5.89E-11	1.23E-10	3.50E-11	2.93E-11	6.43E-11	3.96E-10	3.41E-10	7.37E-10
1135	650190.6	4194443	4.00E-10	3.54E-10	7.54E-10	6.63E-11	6.14E-11	1.28E-10	3.65E-11	3.05E-11	6.70E-11	4.13E-10	3.55E-10	7.68E-10
1136	650183.3	4194466	4.16E-10	3.68E-10	7.85E-10	6.90E-11	6.39E-11	1.33E-10	3.80E-11	3.17E-11	6.97E-11	4.30E-10	3.69E-10	7.99E-10
1137	650176.1	4194490	4.33E-10	3.83E-10	8.15E-10	7.17E-11	6.64E-11	1.38E-10	3.95E-11	3.30E-11	7.24E-11	4.47E-10	3.84E-10	8.30E-10
1138	650168.8	4194513	4.49E-10	3.97E-10	8.46E-10	7.44E-11	6.89E-11	1.43E-10	4.10E-11	3.42E-11	7.51E-11	4.63E-10	3.98E-10	8.61E-10
1139	650161.6	4194537	4.64E-10	4.11E-10	8.75E-10	7.70E-11	7.13E-11	1.48E-10	4.24E-11	3.54E-11	7.78E-11	4.79E-10	4.12E-10	8.91E-10
1140	650154.3	4194560	4.79E-10	4.23E-10	9.02E-10	7.94E-11	7.35E-11	1.53E-10	4.37E-11	3.65E-11	8.02E-11	4.94E-10	4.25E-10	9.19E-10
1141	650147.1	4194584	4.92E-10	4.35E-10	9.28E-10	8.16E-11	7.56E-11	1.57E-10	4.49E-11	3.75E-11	8.24E-11	5.08E-10	4.37E-10	9.45E-10
1142	650093	4194132	2.59E-10	2.29E-10	4.88E-10	4.29E-11	3.97E-11	8.26E-11	2.36E-11	1.97E-11	4.33E-11	2.67E-10	2.30E-10	4.97E-10
1143	650107.2	4194112	2.65E-10	2.34E-10	4.98E-10	4.38E-11	4.06E-11	8.45E-11	2.41E-11	2.02E-11	4.43E-11	2.73E-10	2.35E-10	5.08E-10
1144	650121.3	4194092	2.71E-10	2.39E-10	5.10E-10	4.49E-11	4.16E-11	8.64E-11	2.47E-11	2.06E-11	4.53E-11	2.79E-10	2.40E-10	5.20E-10
1145	650135.4	4194072	2.77E-10	2.45E-10	5.23E-10	4.60E-11	4.26E-11	8.85E-11	2.53E-11	2.11E-11	4.64E-11	2.86E-10	2.46E-10	5.32E-10
1146	650149.5	4194052	2.83E-10	2.51E-10	5.34E-10	4.70E-11	4.35E-11	9.05E-11	2.59E-11	2.16E-11	4.74E-11	2.92E-10	2.51E-10	5.44E-10
1147	650163.6	4194032	2.89E-10	2.55E-10	5.44E-10	4.78E-11	4.43E-11	9.22E-11	2.63E-11	2.20E-11	4.83E-11	2.98E-10	2.56E-10	5.54E-10
1148	650177.8	4194012	2.93E-10	2.59E-10	5.52E-10	4.85E-11	4.49E-11	9.34E-11	2.67E-11	2.23E-11	4.90E-11	3.02E-10	2.60E-10	5.62E-10
1149	650191.9	4193992	2.95E-10	2.61E-10	5.57E-10	4.90E-11	4.53E-11	9.43E-11	2.69E-11	2.25E-11	4.94E-11	3.05E-10	2.62E-10	5.67E-10
1150	650206	4193972	2.97E-10	2.62E-10	5.59E-10	4.92E-11	4.56E-11	9.47E-11	2.71E-11	2.26E-11	4.97E-11	3.06E-10	2.63E-10	5.69E-10
1151	650220.1	4193952	2.97E-10	2.63E-10	5.59E-10	4.92E-11	4.56E-11	9.48E-11	2.71E-11	2.26E-11	4.97E-11	3.06E-10	2.63E-10	5.70E-10

1152	650234.2	4193932	2.96E-10	2.62E-10	5.58E-10	4.91E-11	4.55E-11	9.45E-11	2.70E-11	2.26E-11	4.96E-11	3.06E-10	2.63E-10	5.68E-10
1153	650248.3	4193912	2.95E-10	2.61E-10	5.55E-10	4.89E-11	4.52E-11	9.41E-11	2.69E-11	2.25E-11	4.93E-11	3.04E-10	2.61E-10	5.66E-10
1154	650262.5	4193892	2.93E-10	2.59E-10	5.53E-10	4.86E-11	4.50E-11	9.36E-11	2.68E-11	2.23E-11	4.91E-11	3.03E-10	2.60E-10	5.63E-10
1155	650276.6	4193872	2.92E-10	2.58E-10	5.50E-10	4.84E-11	4.48E-11	9.32E-11	2.66E-11	2.22E-11	4.89E-11	3.01E-10	2.59E-10	5.60E-10
1156	650290.7	4193852	2.91E-10	2.57E-10	5.48E-10	4.82E-11	4.47E-11	9.29E-11	2.65E-11	2.22E-11	4.87E-11	3.00E-10	2.58E-10	5.58E-10
1157	650304.8	4193832	2.91E-10	2.57E-10	5.47E-10	4.82E-11	4.46E-11	9.28E-11	2.65E-11	2.21E-11	4.86E-11	3.00E-10	2.58E-10	5.58E-10
1158	650318.9	4193812	2.91E-10	2.57E-10	5.48E-10	4.82E-11	4.47E-11	9.29E-11	2.65E-11	2.22E-11	4.87E-11	3.00E-10	2.58E-10	5.58E-10
1159	650333.1	4193792	2.92E-10	2.58E-10	5.51E-10	4.84E-11	4.49E-11	9.33E-11	2.67E-11	2.23E-11	4.89E-11	3.02E-10	2.59E-10	5.61E-10
1160	650347.2	4193772	2.94E-10	2.60E-10	5.54E-10	4.87E-11	4.51E-11	9.39E-11	2.68E-11	2.24E-11	4.92E-11	3.04E-10	2.61E-10	5.64E-10
1161	650361.3	4193752	2.97E-10	2.62E-10	5.59E-10	4.92E-11	4.55E-11	9.47E-11	2.71E-11	2.26E-11	4.97E-11	3.06E-10	2.63E-10	5.69E-10
1162	650375.4	4193733	3.00E-10	2.65E-10	5.64E-10	4.97E-11	4.60E-11	9.56E-11	2.73E-11	2.28E-11	5.02E-11	3.09E-10	2.66E-10	5.75E-10
1163	650389.5	4193713	3.03E-10	2.68E-10	5.70E-10	5.01E-11	4.64E-11	9.66E-11	2.76E-11	2.30E-11	5.06E-11	3.12E-10	2.68E-10	5.81E-10
1164	650403.6	4193693	3.05E-10	2.70E-10	5.75E-10	5.06E-11	4.69E-11	9.75E-11	2.79E-11	2.33E-11	5.11E-11	3.15E-10	2.71E-10	5.86E-10
1165	650417.8	4193673	3.08E-10	2.72E-10	5.80E-10	5.10E-11	4.72E-11	9.82E-11	2.81E-11	2.34E-11	5.15E-11	3.18E-10	2.73E-10	5.90E-10
1166	650431.9	4193653	3.10E-10	2.74E-10	5.83E-10	5.13E-11	4.75E-11	9.89E-11	2.83E-11	2.36E-11	5.18E-11	3.20E-10	2.75E-10	5.94E-10
1167	650446	4193633	3.11E-10	2.75E-10	5.86E-10	5.15E-11	4.77E-11	9.93E-11	2.84E-11	2.37E-11	5.21E-11	3.21E-10	2.76E-10	5.97E-10
1168	650460.1	4193613	3.12E-10	2.75E-10	5.87E-10	5.16E-11	4.78E-11	9.95E-11	2.84E-11	2.37E-11	5.22E-11	3.22E-10	2.76E-10	5.98E-10
1169	650474.2	4193593	3.11E-10	2.75E-10	5.86E-10	5.16E-11	4.78E-11	9.94E-11	2.84E-11	2.37E-11	5.21E-11	3.21E-10	2.76E-10	5.97E-10
1170	650488.4	4193573	3.10E-10	2.74E-10	5.84E-10	5.14E-11	4.76E-11	9.90E-11	2.83E-11	2.36E-11	5.19E-11	3.20E-10	2.75E-10	5.95E-10
1171	650502.5	4193553	3.08E-10	2.72E-10	5.80E-10	5.10E-11	4.72E-11	9.82E-11	2.81E-11	2.34E-11	5.15E-11	3.18E-10	2.73E-10	5.90E-10
1172	650516.6	4193533	3.04E-10	2.69E-10	5.73E-10	5.04E-11	4.67E-11	9.70E-11	2.77E-11	2.32E-11	5.09E-11	3.14E-10	2.70E-10	5.83E-10
1173	650553.9	4193505	2.96E-10	2.62E-10	5.58E-10	4.91E-11	4.55E-11	9.46E-11	2.70E-11	2.26E-11	4.96E-11	3.06E-10	2.63E-10	5.69E-10
1174	650577.1	4193497	2.92E-10	2.58E-10	5.50E-10	4.84E-11	4.48E-11	9.33E-11	2.66E-11	2.23E-11	4.89E-11	3.01E-10	2.59E-10	5.61E-10
1175	650600.3	4193489	2.86E-10	2.53E-10	5.39E-10	4.74E-11	4.39E-11	9.14E-11	2.61E-11	2.18E-11	4.79E-11	2.95E-10	2.54E-10	5.49E-10
1176	650623.5	4193482	2.79E-10	2.47E-10	5.26E-10	4.62E-11	4.28E-11	8.91E-11	2.55E-11	2.13E-11	4.67E-11	2.88E-10	2.47E-10	5.35E-10
1177	650646.7	4193474	2.71E-10	2.39E-10	5.10E-10	4.49E-11	4.16E-11	8.64E-11	2.47E-11	2.06E-11	4.53E-11	2.79E-10	2.40E-10	5.20E-10
1178	650669.9	4193466	2.62E-10	2.32E-10	4.94E-10	4.35E-11	4.03E-11	8.37E-11	2.39E-11	2.00E-11	4.39E-11	2.71E-10	2.33E-10	5.03E-10
1179	650693	4193458	2.54E-10	2.24E-10	4.78E-10	4.21E-11	3.90E-11	8.10E-11	2.32E-11	1.93E-11	4.25E-11	2.62E-10	2.25E-10	4.87E-10
1180	650716.2	4193450	2.46E-10	2.18E-10	4.64E-10	4.08E-11	3.78E-11	7.87E-11	2.25E-11	1.88E-11	4.12E-11	2.54E-10	2.19E-10	4.73E-10
1181	650739.4	4193443	2.41E-10	2.13E-10	4.53E-10	3.99E-11	3.69E-11	7.68E-11	2.20E-11	1.83E-11	4.03E-11	2.48E-10	2.13E-10	4.62E-10
1182	650762.6	4193435	2.37E-10	2.10E-10	4.47E-10	3.93E-11	3.64E-11	7.57E-11	2.16E-11	1.81E-11	3.97E-11	2.45E-10	2.10E-10	4.55E-10
1183	650785.8	4193427	2.37E-10	2.09E-10	4.46E-10	3.93E-11	3.64E-11	7.56E-11	2.16E-11	1.80E-11	3.97E-11	2.44E-10	2.10E-10	4.55E-10
1184	650809	4193419	2.40E-10	2.12E-10	4.52E-10	3.98E-11	3.68E-11	7.66E-11	2.19E-11	1.83E-11	4.02E-11	2.48E-10	2.13E-10	4.61E-10
1185	650832.2	4193411	2.47E-10	2.18E-10	4.65E-10	4.09E-11	3.78E-11	7.87E-11	2.25E-11	1.88E-11	4.13E-11	2.54E-10	2.19E-10	4.73E-10
1186	650855.4	4193404	2.56E-10	2.27E-10	4.83E-10	4.25E-11	3.94E-11	8.19E-11	2.34E-11	1.95E-11	4.29E-11	2.65E-10	2.27E-10	4.92E-10
1187	650878.6	4193396	2.69E-10	2.38E-10	5.08E-10	4.46E-11	4.14E-11	8.60E-11	2.46E-11	2.05E-11	4.51E-11	2.78E-10	2.39E-10	5.17E-10
1188	650901.7	4193388	2.85E-10	2.52E-10	5.37E-10	4.72E-11	4.37E-11	9.09E-11	2.60E-11	2.17E-11	4.77E-11	2.94E-10	2.53E-10	5.46E-10
1189	650924.9	4193380	3.01E-10	2.67E-10	5.68E-10	5.00E-11	4.63E-11	9.62E-11	2.75E-11	2.30E-11	5.05E-11	3.11E-10	2.67E-10	5.78E-10
1190	650948.1	4193372	3.18E-10	2.81E-10	5.99E-10	5.27E-11	4.88E-11	1.02E-10	2.90E-11	2.42E-11	5.33E-11	3.28E-10	2.82E-10	6.10E-10
1191	650971.3	4193365	3.34E-10	2.95E-10	6.29E-10	5.53E-11	5.12E-11	1.07E-10	3.05E-11	2.54E-11	5.59E-11	3.44E-10	2.96E-10	6.41E-10
1192	650994.5	4193357	3.47E-10	3.07E-10	6.54E-10	5.75E-11	5.33E-11	1.11E-10	3.17E-11	2.64E-11	5.81E-11	3.58E-10	3.08E-10	6.66E-10
1193	651017.7	4193349	3.57E-10	3.16E-10	6.73E-10	5.92E-11	5.48E-11	1.14E-10	3.26E-11	2.72E-11	5.98E-11	3.69E-10	3.17E-10	6.85E-10
1194	651040.9	4193341	3.63E-10	3.21E-10	6.84E-10	6.02E-11	5.57E-11	1.16E-10	3.31E-11	2.77E-11	6.08E-11	3.75E-10	3.22E-10	6.97E-10
1195	651064.1	4193334	3.65E-10	3.23E-10	6.88E-10	6.05E-11	5.60E-11	1.16E-10	3.33E-11	2.78E-11	6.11E-11	3.77E-10	3.24E-10	7.00E-10
1196	651087.3	4193326	3.63E-10	3.21E-10	6.83E-10	6.01E-11	5.57E-11	1.16E-10	3.31E-11	2.76E-11	6.07E-11	3.74E-10	3.22E-10	6.96E-10
1197	651110.5	4193318	3.57E-10	3.15E-10	6.72E-10	5.91E-11	5.47E-11	1.14E-10	3.25E-11	2.72E-11	5.97E-11	3.68E-10	3.16E-10	6.84E-10
1198	651133.6	4193310	3.48E-10	3.07E-10	6.55E-10	5.76E-11	5.34E-11	1.11E-10	3.17E-11	2.65E-11	5.82E-11	3.59E-10	3.08E-10	6.67E-10
1199	651156.8	4193302	3.37E-10	2.98E-10	6.34E-10	5.58E-11	5.17E-11	1.07E-10	3.07E-11	2.56E-11	5.63E-11	3.47E-10	2.99E-10	6.46E-10
1200	651180	4193295	3.25E-10	2.87E-10	6.12E-10	5.38E-11	4.99E-11	1.04E-10	2.96E-11	2.47E-11	5.44E-11	3.35E-10	2.88E-10	6.23E-10
1201	651203.2	4193287	3.13E-10	2.77E-10	5.90E-10	5.19E-11	4.80E-11	9.99E-11	2.86E-11	2.38E-11	5.24E-11	3.23E-10	2.78E-10	6.01E-10
1202	651226.4	4193279	3.02E-10	2.67E-10	5.70E-10	5.01E-11	4.64E-11	9.65E-11	2.76E-11	2.30E-11	5.06E-11	3.12E-10	2.68E-10	5.80E-10
1203	651249.6	4193271	2.93E-10	2.60E-10	5.53E-10	4.86E-11	4.51E-11	9.37E-11	2.68E-11	2.24E-11	4.91E-11	3.03E-10	2.60E-10	5.63E-10
1204	651272.8	4193263	2.87E-10	2.54E-10	5.41E-10	4.76E-11	4.41E-11	9.17E-11	2.62E-11	2.19E-11	4.81E-11	2.96E-10	2.55E-10	5.51E-10
1205	650064.8	4194172	2.51E-10	2.22E-10	4.73E-10	4.16E-11	3.85E-11	8.01E-11	2.29E-11	1.91E-11	4.20E-11	2.59E-10	2.23E-10	4.82E-10
1206	650057.5	4194196	2.51E-10	2.22E-10	4.74E-10	4.17E-11	3.86E-11	8.03E-11	2.29E-11	1.92E-11	4.21E-11	2.60E-10	2.23E-10	4.83E-10
1207	650050.3	4194219	2.54E-10	2.25E-10	4.79E-10	4.21E-11	3.90E-11	8.11E-11	2.32E-11	1.94E-11	4.25E-11	2.62E-10	2.25E-10	4.87E-10
1208	650043	4194243	2.58E-10	2.28E-10	4.86E-10	4.28E-11	3.96E-11	8.24E-11	2.36E-11	1.97E-11	4.32E-11	2.66E-10	2.29E-10	4.95E-10
1209	650035.8	4194266	2.64E-10	2.33E-10	4.97E-10	4.37E-11	4.05E-11	8.43E-11	2.41E-11	2.01E-11	4.42E-11	2.72E-10	2.34E-10	5.07E-10
1210	650028.5	4194290	2.71E-10	2.40E-10	5.11E-10	4.50E-11	4.17E-11	8.66E-11	2.48E-11	2.07E-11	4.54E-11	2.80E-10	2.41E-10	5.21E-10
1211	650021.3	4194313	2.80E-10	2.48E-10	5.28E-10	4.64E-11	4.30E-11	8.94E-11	2.55E-11	2.13E-11	4.69E-11	2.89E-10	2.48E-10	5.37E-10
1212	650014	4194337	2.90E-10	2.56E-10	5.46E-10	4.80E-11	4.45E-11	9.25E-11	2.64E-11	2.21E-11	4.85E-11	2.99E-10	2.57E-10	5.56E-10
1213	650006.8	4194360	3.00E-10	2.65E-10	5.66E-10	4.98E-11	4.61E-11	9.58E-11	2.74E-11	2.29E-11	5.03E-11	3.10E-10	2.66E-10	5.76E-10
1214	649999.5	4194384	3.11E-10	2.75E-10	5.86E-10	5.16E-11	4.78E-11	9.93E-11	2.84E-11	2.37E-11	5.21E-11	3.21E-10	2.76E-10	5.97E-10
1215	649992.3	4194407	3.23E-10	2.85E-10	6.08E-10	5.35E-11	4.95E-11	1.03E-10	2.94E-11	2.46E-11	5.40E-11	3.33E-10	2.86E-10	6.19E-10
1216	649985	4194431	3.34E-10	2.95E-10	6.29E-10	5.54E-11	5.13E-11	1.07E-10	3.05E-11	2.55E-11	5.59E-11	3.45E-10	2.96E-10	6.41E-10
1217	649977.7	4194454	3.45E-10	3.05E-10	6.51E-10	5.73E-11	5.30E-11	1.10E-10	3.15E-11	2.63E-11	5.78E-11	3.57E-10	3.06E-10	6.63E-10
1218	649970.5	4194478	3.57E-10	3.16E-10	6.72E-10	5.91E-11	5.48E-11	1.14E-10	3.26E-11	2.72E-11	5.97E-11	3.68E-10	3.16E-10	6.85E-10
1219	649963.2	4194501	3.68E-10	3.25E-10	6.93E-10	6.09E-11	5.64E-11	1.17E-10	3.35E-11	2.80E-11	6.16E-11	3.79E-10	3.26E-10	7.06E-10
1220	649956	4194525	3.78E-10	3.34E-10	7.12E-10	6.27E-11	5.80E-11	1.21E-10	3.45E-11	2.88E-11	6.33E-11	3.90E-10	3.35E-10	7.26E-10
1221	649887.9	4194093	2.06E-10	1.82E-10	3.88E-10	3.41E-11	3.16E-11	6.57E-11	1.88E-11	1.57E-11	3.45E-11	2.13E-10	1.83E-10	3.95E-10
1222	649902	4194073	2.09E-10	1.84E-10	3.93E-10	3.46E-11	3.20E-11	6.66E-11	1.90E-11	1.59E-11	3.49E-11	2.15E-10	1.85E-10	4.00E-10
1223	649916.1	4194053	2.12E-10	1.88E-10	4.00E-10	3.52E-11	3.26E-11	6.78E-11	1.94E-11	1.62E-11	3.56E-11	2.19E-10	1.88E-10	4.08E-10
1224	649930.3	4194033	2.17E-10	1.92E-10	4.10E-10	3.60E-11	3.34E-11	6.94E-11	1.98E-11	1.66E-11	3.64E-11	2.24E-10	1.93E-10	4.17E-10
1225	649944.4	4194013	2.23E-10	1.97E-10	4.20E-10	3.69E-11	3.42E-11	7.12E-11	2.03E-11	1.70E-11	3.73E-11	2.30E-10	1.98E-10	4.28E-10
1226	649958.6	4193993	2.29E-10	2.02E-10	4.31E-10	3.79E-11	3.51E-11	7.30E-11	2.09E-11	1.74E-11	3.83E-11	2.36E-10	2.03E-10	4.39E-10
1227	649972.7	4193973	2.34E-10	2.07E-10	4.42E-10	3.88E-11	3.60E-11	7.48E-11	2.14E-11	1.79E-11	3.92E-11	2.42E-10	2.08E-10	4.50E-10
1228	649986.9	4193953	2.40E-10	2.12E-10	4.52E-10	3.97E-11	3.68E-11	7.65E-11	2.19E-11	1.83E-11	4.01E-11	2.47E-10	2.13E-10	4.60E-10

1229	650001	4193933	2.44E-10	2.16E-10	4.60E-10	4.04E-11	3.74E-11	7.79E-11	2.23E-11	1.86E-11	4.08E-11	2.52E-10	2.16E-10	4.68E-10
1230	650015.2	4193913	2.47E-10	2.18E-10	4.65E-10	4.09E-11	3.79E-11	7.89E-11	2.25E-11	1.88E-11	4.14E-11	2.55E-10	2.19E-10	4.74E-10
1231	650029.3	4193893	2.49E-10	2.20E-10	4.69E-10	4.12E-11	3.82E-11	7.94E-11	2.27E-11	1.89E-11	4.16E-11	2.57E-10	2.21E-10	4.77E-10
1232	650043.5	4193873	2.49E-10	2.20E-10	4.69E-10	4.13E-11	3.82E-11	7.95E-11	2.27E-11	1.90E-11	4.17E-11	2.57E-10	2.21E-10	4.78E-10
1233	650057.6	4193853	2.49E-10	2.20E-10	4.68E-10	4.12E-11	3.82E-11	7.93E-11	2.27E-11	1.89E-11	4.16E-11	2.57E-10	2.20E-10	4.77E-10
1234	650071.8	4193833	2.47E-10	2.18E-10	4.65E-10	4.09E-11	3.79E-11	7.89E-11	2.25E-11	1.88E-11	4.14E-11	2.55E-10	2.19E-10	4.74E-10
1235	650085.9	4193813	2.45E-10	2.17E-10	4.62E-10	4.06E-11	3.76E-11	7.82E-11	2.23E-11	1.87E-11	4.10E-11	2.53E-10	2.17E-10	4.70E-10
1236	650100.1	4193793	2.43E-10	2.15E-10	4.57E-10	4.02E-11	3.73E-11	7.75E-11	2.22E-11	1.85E-11	4.06E-11	2.51E-10	2.15E-10	4.66E-10
1237	650114.2	4193773	2.41E-10	2.13E-10	4.54E-10	3.99E-11	3.70E-11	7.69E-11	2.20E-11	1.83E-11	4.03E-11	2.48E-10	2.14E-10	4.62E-10
1238	650128.4	4193753	2.39E-10	2.12E-10	4.51E-10	3.97E-11	3.67E-11	7.64E-11	2.18E-11	1.82E-11	4.01E-11	2.47E-10	2.12E-10	4.59E-10
1239	650142.5	4193733	2.39E-10	2.11E-10	4.50E-10	3.95E-11	3.66E-11	7.62E-11	2.18E-11	1.82E-11	3.99E-11	2.46E-10	2.12E-10	4.58E-10
1240	650156.6	4193713	2.39E-10	2.11E-10	4.50E-10	3.95E-11	3.66E-11	7.62E-11	2.18E-11	1.82E-11	3.99E-11	2.46E-10	2.12E-10	4.58E-10
1241	650170.8	4193693	2.39E-10	2.12E-10	4.51E-10	3.96E-11	3.67E-11	7.64E-11	2.18E-11	1.82E-11	4.00E-11	2.47E-10	2.12E-10	4.59E-10
1242	650184.9	4193673	2.40E-10	2.13E-10	4.53E-10	3.99E-11	3.69E-11	7.68E-11	2.19E-11	1.83E-11	4.03E-11	2.48E-10	2.13E-10	4.61E-10
1243	650199.1	4193653	2.42E-10	2.14E-10	4.56E-10	4.01E-11	3.72E-11	7.73E-11	2.21E-11	1.84E-11	4.05E-11	2.50E-10	2.15E-10	4.65E-10
1244	650213.2	4193633	2.44E-10	2.16E-10	4.60E-10	4.04E-11	3.75E-11	7.79E-11	2.23E-11	1.86E-11	4.09E-11	2.52E-10	2.16E-10	4.68E-10
1245	650227.4	4193613	2.46E-10	2.18E-10	4.64E-10	4.08E-11	3.78E-11	7.86E-11	2.25E-11	1.88E-11	4.12E-11	2.54E-10	2.18E-10	4.72E-10
1246	650241.5	4193593	2.48E-10	2.20E-10	4.68E-10	4.12E-11	3.81E-11	7.93E-11	2.27E-11	1.89E-11	4.16E-11	2.56E-10	2.20E-10	4.77E-10
1247	650255.7	4193573	2.50E-10	2.21E-10	4.72E-10	4.15E-11	3.84E-11	7.99E-11	2.28E-11	1.91E-11	4.19E-11	2.58E-10	2.22E-10	4.80E-10
1248	650269.8	4193552	2.52E-10	2.23E-10	4.75E-10	4.18E-11	3.87E-11	8.05E-11	2.30E-11	1.92E-11	4.22E-11	2.60E-10	2.24E-10	4.84E-10
1249	650284	4193532	2.54E-10	2.24E-10	4.78E-10	4.21E-11	3.90E-11	8.10E-11	2.32E-11	1.93E-11	4.25E-11	2.62E-10	2.25E-10	4.87E-10
1250	650298.1	4193512	2.55E-10	2.26E-10	4.81E-10	4.23E-11	3.92E-11	8.15E-11	2.33E-11	1.94E-11	4.27E-11	2.63E-10	2.26E-10	4.90E-10
1251	650312.3	4193492	2.57E-10	2.27E-10	4.84E-10	4.25E-11	3.94E-11	8.19E-11	2.34E-11	1.96E-11	4.30E-11	2.65E-10	2.28E-10	4.92E-10
1252	650326.4	4193472	2.58E-10	2.28E-10	4.86E-10	4.27E-11	3.96E-11	8.23E-11	2.35E-11	1.96E-11	4.31E-11	2.66E-10	2.29E-10	4.95E-10
1253	650340.6	4193452	2.58E-10	2.29E-10	4.87E-10	4.28E-11	3.97E-11	8.25E-11	2.36E-11	1.97E-11	4.33E-11	2.67E-10	2.29E-10	4.96E-10
1254	650354.7	4193432	2.59E-10	2.29E-10	4.87E-10	4.29E-11	3.97E-11	8.26E-11	2.36E-11	1.97E-11	4.33E-11	2.67E-10	2.29E-10	4.96E-10
1255	650368.9	4193412	2.58E-10	2.28E-10	4.86E-10	4.28E-11	3.96E-11	8.24E-11	2.36E-11	1.97E-11	4.32E-11	2.66E-10	2.29E-10	4.95E-10
1256	650383	4193392	2.57E-10	2.27E-10	4.84E-10	4.26E-11	3.94E-11	8.20E-11	2.34E-11	1.96E-11	4.30E-11	2.65E-10	2.28E-10	4.93E-10
1257	650397.1	4193372	2.54E-10	2.25E-10	4.79E-10	4.21E-11	3.90E-11	8.12E-11	2.32E-11	1.94E-11	4.26E-11	2.62E-10	2.26E-10	4.88E-10
1258	650434.5	4193344	2.49E-10	2.20E-10	4.69E-10	4.13E-11	3.82E-11	7.95E-11	2.27E-11	1.90E-11	4.17E-11	2.57E-10	2.21E-10	4.78E-10
1259	650457.8	4193337	2.46E-10	2.18E-10	4.64E-10	4.08E-11	3.78E-11	7.86E-11	2.24E-11	1.87E-11	4.12E-11	2.54E-10	2.18E-10	4.72E-10
1260	650481	4193329	2.42E-10	2.14E-10	4.55E-10	4.01E-11	3.71E-11	7.72E-11	2.21E-11	1.84E-11	4.05E-11	2.49E-10	2.14E-10	4.64E-10
1261	650504.2	4193321	2.36E-10	2.09E-10	4.45E-10	3.92E-11	3.63E-11	7.54E-11	2.16E-11	1.80E-11	3.96E-11	2.44E-10	2.10E-10	4.53E-10
1262	650527.5	4193313	2.30E-10	2.03E-10	4.33E-10	3.81E-11	3.53E-11	7.34E-11	2.10E-11	1.75E-11	3.85E-11	2.37E-10	2.04E-10	4.41E-10
1263	650550.7	4193305	2.23E-10	1.97E-10	4.20E-10	3.69E-11	3.42E-11	7.12E-11	2.03E-11	1.70E-11	3.73E-11	2.30E-10	1.98E-10	4.28E-10
1264	650573.9	4193298	2.16E-10	1.91E-10	4.06E-10	3.57E-11	3.31E-11	6.88E-11	1.97E-11	1.64E-11	3.61E-11	2.22E-10	1.91E-10	4.14E-10
1265	650597.2	4193290	2.09E-10	1.84E-10	3.93E-10	3.46E-11	3.20E-11	6.66E-11	1.90E-11	1.59E-11	3.49E-11	2.15E-10	1.85E-10	4.00E-10
1266	650620.4	4193282	2.02E-10	1.79E-10	3.81E-10	3.35E-11	3.10E-11	6.45E-11	1.84E-11	1.54E-11	3.38E-11	2.09E-10	1.79E-10	3.88E-10
1267	650643.7	4193274	1.97E-10	1.74E-10	3.70E-10	3.26E-11	3.02E-11	6.28E-11	1.79E-11	1.50E-11	3.29E-11	2.03E-10	1.74E-10	3.77E-10
1268	650666.9	4193266	1.93E-10	1.70E-10	3.63E-10	3.19E-11	2.96E-11	6.15E-11	1.76E-11	1.47E-11	3.23E-11	1.99E-10	1.71E-10	3.70E-10
1269	650690.1	4193259	1.91E-10	1.69E-10	3.60E-10	3.17E-11	2.93E-11	6.10E-11	1.74E-11	1.46E-11	3.20E-11	1.97E-10	1.69E-10	3.67E-10
1270	650713.4	4193251	1.92E-10	1.69E-10	3.61E-10	3.18E-11	2.94E-11	6.12E-11	1.75E-11	1.46E-11	3.21E-11	1.98E-10	1.70E-10	3.68E-10
1271	650736.6	4193243	1.95E-10	1.72E-10	3.67E-10	3.23E-11	2.99E-11	6.23E-11	1.78E-11	1.49E-11	3.27E-11	2.01E-10	1.73E-10	3.74E-10
1272	650759.8	4193235	2.01E-10	1.78E-10	3.79E-10	3.33E-11	3.09E-11	6.42E-11	1.83E-11	1.53E-11	3.37E-11	2.08E-10	1.78E-10	3.86E-10
1273	650783.1	4193227	2.10E-10	1.86E-10	3.96E-10	3.48E-11	3.22E-11	6.70E-11	1.92E-11	1.60E-11	3.52E-11	2.17E-10	1.86E-10	4.03E-10
1274	650806.3	4193220	2.21E-10	1.96E-10	4.17E-10	3.67E-11	3.40E-11	7.07E-11	2.02E-11	1.69E-11	3.71E-11	2.28E-10	1.96E-10	4.25E-10
1275	650829.6	4193212	2.34E-10	2.07E-10	4.42E-10	3.88E-11	3.60E-11	7.48E-11	2.14E-11	1.79E-11	3.92E-11	2.42E-10	2.08E-10	4.50E-10
1276	650852.8	4193204	2.49E-10	2.20E-10	4.69E-10	4.12E-11	3.82E-11	7.94E-11	2.27E-11	1.90E-11	4.17E-11	2.57E-10	2.21E-10	4.78E-10
1277	650876	4193196	2.64E-10	2.33E-10	4.97E-10	4.37E-11	4.05E-11	8.42E-11	2.41E-11	2.01E-11	4.41E-11	2.72E-10	2.34E-10	5.06E-10
1278	650899.3	4193188	2.78E-10	2.46E-10	5.24E-10	4.61E-11	4.27E-11	8.87E-11	2.54E-11	2.12E-11	4.65E-11	2.87E-10	2.47E-10	5.33E-10
1279	650922.5	4193181	2.91E-10	2.57E-10	5.48E-10	4.82E-11	4.46E-11	9.29E-11	2.65E-11	2.22E-11	4.87E-11	3.00E-10	2.58E-10	5.58E-10
1280	650945.7	4193173	3.02E-10	2.67E-10	5.68E-10	5.00E-11	4.63E-11	9.63E-11	2.75E-11	2.30E-11	5.05E-11	3.11E-10	2.67E-10	5.79E-10
1281	650969	4193165	3.10E-10	2.74E-10	5.83E-10	5.13E-11	4.75E-11	9.89E-11	2.83E-11	2.36E-11	5.18E-11	3.20E-10	2.75E-10	5.94E-10
1282	650992.2	4193157	3.14E-10	2.78E-10	5.92E-10	5.21E-11	4.83E-11	1.00E-10	2.87E-11	2.39E-11	5.26E-11	3.24E-10	2.79E-10	6.03E-10
1283	651015.4	4193149	3.15E-10	2.79E-10	5.94E-10	5.23E-11	4.84E-11	1.01E-10	2.88E-11	2.40E-11	5.28E-11	3.25E-10	2.80E-10	6.05E-10
1284	651038.7	4193141	3.13E-10	2.76E-10	5.89E-10	5.18E-11	4.80E-11	9.98E-11	2.85E-11	2.38E-11	5.23E-11	3.23E-10	2.77E-10	6.00E-10
1285	651061.9	4193134	3.07E-10	2.71E-10	5.79E-10	5.09E-11	4.71E-11	9.80E-11	2.80E-11	2.34E-11	5.14E-11	3.17E-10	2.72E-10	5.89E-10
1286	651085.2	4193126	2.99E-10	2.64E-10	5.63E-10	4.95E-11	4.59E-11	9.54E-11	2.73E-11	2.28E-11	5.00E-11	3.09E-10	2.65E-10	5.74E-10
1287	651108.4	4193118	2.89E-10	2.56E-10	5.45E-10	4.79E-11	4.44E-11	9.23E-11	2.64E-11	2.20E-11	4.84E-11	2.98E-10	2.56E-10	5.55E-10
1288	651131.6	4193110	2.78E-10	2.46E-10	5.24E-10	4.61E-11	4.27E-11	8.87E-11	2.54E-11	2.12E-11	4.65E-11	2.87E-10	2.47E-10	5.33E-10
1289	651154.9	4193102	2.67E-10	2.36E-10	5.03E-10	4.42E-11	4.10E-11	8.52E-11	2.44E-11	2.03E-11	4.47E-11	2.75E-10	2.37E-10	5.12E-10
1290	651178.1	4193095	2.56E-10	2.27E-10	4.83E-10	4.25E-11	3.93E-11	8.18E-11	2.34E-11	1.95E-11	4.29E-11	2.64E-10	2.27E-10	4.92E-10
1291	651201.3	4193087	2.47E-10	2.18E-10	4.65E-10	4.09E-11	3.79E-11	7.88E-11	2.25E-11	1.88E-11	4.13E-11	2.55E-10	2.19E-10	4.74E-10
1292	651224.6	4193079	2.39E-10	2.11E-10	4.50E-10	3.96E-11	3.67E-11	7.63E-11	2.18E-11	1.82E-11	4.00E-11	2.47E-10	2.12E-10	4.58E-10
1293	651247.8	4193071	2.33E-10	2.06E-10	4.39E-10	3.86E-11	3.58E-11	7.44E-11	2.13E-11	1.78E-11	3.90E-11	2.41E-10	2.07E-10	4.47E-10
1294	651271	4193063	2.29E-10	2.03E-10	4.32E-10	3.80E-11	3.52E-11	7.32E-11	2.09E-11	1.75E-11	3.84E-11	2.37E-10	2.03E-10	4.40E-10
1295	649873.7	4194113	2.04E-10	1.81E-10	3.85E-10	3.39E-11	3.14E-11	6.52E-11	1.86E-11	1.56E-11	3.42E-11	2.11E-10	1.81E-10	3.92E-10
1296	649866.4	4194137	2.06E-10	1.82E-10	3.87E-10	3.41E-11	3.16E-11	6.56E-11	1.88E-11	1.57E-11	3.44E-11	2.12E-10	1.82E-10	3.95E-10
1297	649851.9	4194184	2.12E-10	1.88E-10	4.00E-10	3.52E-11	3.26E-11	6.77E-11	1.94E-11	1.62E-11	3.55E-11	2.19E-10	1.88E-10	4.07E-10
1298	649844.7	4194207	2.17E-10	1.92E-10	4.09E-10	3.60E-11	3.33E-11	6.93E-11	1.98E-11	1.65E-11	3.64E-11	2.24E-10	1.93E-10	4.17E-10
1299	649837.4	4194231	2.23E-10	1.97E-10	4.20E-10	3.70E-11	3.42E-11	7.12E-11	2.03E-11	1.70E-11	3.73E-11	2.30E-10	1.98E-10	4.28E-10
1300	649830.2	4194254	2.30E-10	2.03E-10	4.33E-10	3.81E-11	3.53E-11	7.33E-11	2.10E-11	1.75E-11	3.85E-11	2.37E-10	2.04E-10	4.41E-10
1301	649822.9	4194278	2.37E-10	2.09E-10	4.46E-10	3.93E-11	3.64E-11	7.56E-11	2.16E-11	1.80E-11	3.97E-11	2.44E-10	2.10E-10	4.55E-10
1302	649815.7	4194301	2.44E-10	2.16E-10	4.60E-10	4.05E-11	3.75E-11	7.80E-11	2.23E-11	1.86E-11	4.09E-11	2.52E-10	2.17E-10	4.69E-10
1303	649808.4	4194325	2.52E-10	2.23E-10	4.75E-10	4.18E-11	3.87E-11	8.05E-11	2.30E-11	1.92E-11	4.22E-11	2.60E-10	2.24E-10	4.84E-10
1304	649801.2	4194348	2.60E-10	2.30E-10	4.90E-10	4.31E-11	3.99E-11	8.31E-11	2.37E-11	1.98E-11	4.36E-11	2.69E-10	2.31E-10	4.99E-10
1305	649793.9	4194372	2.68E-10	2.37E-10	5.06E-10	4.45E-11	4.12E-11	8.57E-11	2.45E-11	2.05E-11	4.49E-11	2.77E-10	2.38E-10	5.15E-10

1306	649786.6	4194395	2.77E-10	2.45E-10	5.22E-10	4.59E-11	4.25E-11	8.84E-11	2.53E-11	2.11E-11	4.63E-11	2.86E-10	2.46E-10	5.31E-10
1307	649779.4	4194419	2.85E-10	2.52E-10	5.37E-10	4.73E-11	4.38E-11	9.10E-11	2.60E-11	2.17E-11	4.77E-11	2.94E-10	2.53E-10	5.47E-10
1308	649772.1	4194442	2.93E-10	2.59E-10	5.53E-10	4.86E-11	4.50E-11	9.36E-11	2.68E-11	2.23E-11	4.91E-11	3.03E-10	2.60E-10	5.63E-10
1309	649764.9	4194466	3.01E-10	2.67E-10	5.68E-10	5.00E-11	4.63E-11	9.62E-11	2.75E-11	2.30E-11	5.05E-11	3.11E-10	2.67E-10	5.78E-10
1310	651022.4	4194931	6.21E-09	5.49E-09	1.17E-08	1.03E-09	9.53E-10	1.98E-09	5.66E-10	4.73E-10	1.04E-09	6.41E-09	5.50E-09	1.19E-08
1311	650998.7	4195043	5.19E-09	4.59E-09	9.78E-09	8.60E-10	7.97E-10	1.66E-09	4.73E-10	3.95E-10	8.69E-10	5.36E-09	4.60E-09	9.96E-09
1312	650990.8	4195001	5.15E-09	4.55E-09	9.70E-09	8.53E-10	7.90E-10	1.64E-09	4.70E-10	3.92E-10	8.62E-10	5.31E-09	4.57E-09	9.88E-09
1313	650982.9	4194960	5.03E-09	4.45E-09	9.48E-09	8.34E-10	7.73E-10	1.61E-09	4.59E-10	3.83E-10	8.43E-10	5.20E-09	4.46E-09	9.66E-09
1314	650975	4194918	4.84E-09	4.28E-09	9.11E-09	8.02E-10	7.42E-10	1.54E-09	4.41E-10	3.68E-10	8.10E-10	4.99E-09	4.29E-09	9.28E-09
1315	651161.2	4195181	4.95E-09	4.37E-09	9.32E-09	8.20E-10	7.59E-10	1.58E-09	4.51E-10	3.77E-10	8.28E-10	5.10E-09	4.39E-09	9.49E-09
1316	651003.1	4195112	4.86E-09	4.30E-09	9.16E-09	8.05E-10	7.46E-10	1.55E-09	4.43E-10	3.70E-10	8.13E-10	5.01E-09	4.31E-09	9.32E-09
1317	650959.5	4195074	4.30E-09	3.80E-09	8.09E-09	7.12E-10	6.59E-10	1.37E-09	3.92E-10	3.27E-10	7.19E-10	4.43E-09	3.81E-09	8.24E-09
1318	650951.5	4195031	4.26E-09	3.76E-09	8.02E-09	7.05E-10	6.53E-10	1.36E-09	3.88E-10	3.24E-10	7.13E-10	4.39E-09	3.77E-09	8.17E-09
1319	650943.5	4194989	4.17E-09	3.69E-09	7.86E-09	6.91E-10	6.40E-10	1.33E-09	3.80E-10	3.18E-10	6.98E-10	4.30E-09	3.70E-09	8.00E-09
1320	650935.5	4194947	4.04E-09	3.57E-09	7.62E-09	6.70E-10	6.21E-10	1.29E-09	3.69E-10	3.08E-10	6.77E-10	4.17E-09	3.59E-09	7.76E-09
1321	650927.5	4194904	3.86E-09	3.41E-09	7.27E-09	6.39E-10	5.92E-10	1.23E-09	3.52E-10	2.94E-10	6.46E-10	3.98E-09	3.42E-09	7.40E-09
1322	651167.5	4195281	3.04E-09	2.69E-09	5.73E-09	5.04E-10	4.67E-10	9.71E-10	2.77E-10	2.32E-10	5.09E-10	3.14E-09	2.70E-09	5.84E-09
1323	651127.2	4195263	3.57E-09	3.16E-09	6.73E-09	5.92E-10	5.48E-10	1.14E-09	3.26E-10	2.72E-10	5.98E-10	3.69E-09	3.17E-09	6.86E-09
1324	651006.3	4195210	4.06E-09	3.59E-09	7.64E-09	6.72E-10	6.23E-10	1.29E-09	3.70E-10	3.09E-10	6.79E-10	4.19E-09	3.60E-09	7.78E-09
1325	650881.3	4195136	3.10E-09	2.74E-09	5.84E-09	5.14E-10	4.76E-10	9.90E-10	2.83E-10	2.36E-10	5.19E-10	3.20E-09	2.75E-09	5.95E-09
1326	650873.1	4195093	3.07E-09	2.71E-09	5.78E-09	5.09E-10	4.71E-10	9.80E-10	2.80E-10	2.34E-10	5.14E-10	3.17E-09	2.72E-09	5.89E-09
1327	650864.9	4195049	3.01E-09	2.66E-09	5.67E-09	4.99E-10	4.62E-10	9.61E-10	2.75E-10	2.29E-10	5.04E-10	3.11E-09	2.67E-09	5.78E-09
1328	650856.8	4195006	2.95E-09	2.61E-09	5.55E-09	4.88E-10	4.52E-10	9.41E-10	2.69E-10	2.24E-10	4.93E-10	3.04E-09	2.61E-09	5.65E-09
1329	650848.6	4194963	2.87E-09	2.53E-09	5.40E-09	4.75E-10	4.40E-10	9.15E-10	2.62E-10	2.18E-10	4.80E-10	2.96E-09	2.54E-09	5.50E-09
1330	650840.4	4194920	2.76E-09	2.44E-09	5.20E-09	4.57E-10	4.23E-10	8.81E-10	2.52E-10	2.10E-10	4.62E-10	2.85E-09	2.45E-09	5.29E-09
1331	650824.1	4194833	2.48E-09	2.20E-09	4.68E-09	4.11E-10	3.81E-10	7.93E-10	2.26E-10	1.89E-10	4.16E-10	2.56E-09	2.20E-09	4.76E-09
1332	651092.7	4195344	2.72E-09	2.40E-09	5.12E-09	4.50E-10	4.17E-10	8.68E-10	2.48E-10	2.07E-10	4.55E-10	2.80E-09	2.41E-09	5.21E-09
1333	650970.3	4195291	3.18E-09	2.81E-09	5.99E-09	5.27E-10	4.88E-10	1.01E-09	2.90E-10	2.42E-10	5.32E-10	3.28E-09	2.82E-09	6.10E-09
1334	650929.5	4195273	3.05E-09	2.69E-09	5.74E-09	5.05E-10	4.68E-10	9.72E-10	2.78E-10	2.32E-10	5.10E-10	3.14E-09	2.70E-09	5.85E-09
1335	650888.7	4195255	2.84E-09	2.51E-09	5.35E-09	4.71E-10	4.36E-10	9.07E-10	2.59E-10	2.16E-10	4.76E-10	2.93E-09	2.52E-09	5.45E-09
1336	650847.9	4195238	2.61E-09	2.30E-09	4.91E-09	4.32E-10	4.00E-10	8.32E-10	2.38E-10	1.98E-10	4.36E-10	2.69E-09	2.31E-09	5.00E-09
1337	650803	4195198	2.36E-09	2.09E-09	4.44E-09	3.91E-10	3.62E-10	7.53E-10	2.15E-10	1.80E-10	3.95E-10	2.43E-09	2.09E-09	4.53E-09
1338	650794.7	4195154	2.33E-09	2.06E-09	4.40E-09	3.87E-10	3.58E-10	7.45E-10	2.13E-10	1.78E-10	3.91E-10	2.41E-09	2.07E-09	4.48E-09
1339	650786.5	4195110	2.29E-09	2.03E-09	4.32E-09	3.80E-10	3.52E-10	7.32E-10	2.09E-10	1.75E-10	3.84E-10	2.37E-09	2.03E-09	4.40E-09
1340	650778.2	4195067	2.25E-09	1.99E-09	4.24E-09	3.73E-10	3.45E-10	7.18E-10	2.05E-10	1.71E-10	3.76E-10	2.32E-09	1.99E-09	4.31E-09
1341	650770	4195023	2.21E-09	1.95E-09	4.16E-09	3.66E-10	3.39E-10	7.05E-10	2.01E-10	1.68E-10	3.70E-10	2.28E-09	1.96E-09	4.24E-09
1342	650761.7	4194979	2.16E-09	1.91E-09	4.07E-09	3.58E-10	3.32E-10	6.90E-10	1.97E-10	1.65E-10	3.62E-10	2.23E-09	1.92E-09	4.15E-09
1343	650753.4	4194935	2.10E-09	1.86E-09	3.95E-09	3.48E-10	3.22E-10	6.70E-10	1.91E-10	1.60E-10	3.51E-10	2.17E-09	1.86E-09	4.03E-09
1344	650745.2	4194892	2.02E-09	1.78E-09	3.80E-09	3.34E-10	3.10E-10	6.44E-10	1.84E-10	1.54E-10	3.38E-10	2.08E-09	1.79E-09	3.87E-09
1345	650736.9	4194848	1.92E-09	1.70E-09	3.62E-09	3.18E-10	2.95E-10	6.13E-10	1.75E-10	1.46E-10	3.21E-10	1.98E-09	1.70E-09	3.68E-09
1346	650728.6	4194804	1.80E-09	1.59E-09	3.38E-09	2.98E-10	2.76E-10	5.73E-10	1.64E-10	1.37E-10	3.01E-10	1.85E-09	1.59E-09	3.45E-09
1347	651281.1	4195403	1.32E-09	1.17E-09	2.49E-09	2.19E-10	2.03E-10	4.22E-10	1.20E-10	1.01E-10	2.21E-10	1.36E-09	1.17E-09	2.53E-09
1348	651303.9	4195402	1.26E-09	1.12E-09	2.38E-09	2.10E-10	1.94E-10	4.04E-10	1.15E-10	9.64E-11	2.12E-10	1.31E-09	1.12E-09	2.43E-09
1349	651463.6	4195390	1.16E-09	1.02E-09	2.18E-09	1.92E-10	1.77E-10	3.69E-10	1.05E-10	8.81E-11	1.94E-10	1.19E-09	1.03E-09	2.22E-09
1350	651486.4	4195388	1.17E-09	1.03E-09	2.20E-09	1.94E-10	1.80E-10	3.73E-10	1.07E-10	8.91E-11	1.96E-10	1.21E-09	1.04E-09	2.24E-09
1351	651222.3	4195497	1.11E-09	9.80E-10	2.09E-09	1.84E-10	1.70E-10	3.54E-10	1.01E-10	8.44E-11	1.86E-10	1.14E-09	9.83E-10	2.13E-09
1352	651181.2	4195479	1.29E-09	1.14E-09	2.44E-09	2.14E-10	1.99E-10	4.13E-10	1.18E-10	9.86E-11	2.17E-10	1.34E-09	1.15E-09	2.48E-09
1353	651099	4195444	1.84E-09	1.63E-09	3.47E-09	3.06E-10	2.83E-10	5.89E-10	1.68E-10	1.40E-10	3.09E-10	1.90E-09	1.64E-09	3.54E-09
1354	651057.9	4195426	2.15E-09	1.90E-09	4.05E-09	3.56E-10	3.30E-10	6.85E-10	1.96E-10	1.64E-10	3.59E-10	2.22E-09	1.90E-09	4.12E-09
1355	650934.5	4195372	2.56E-09	2.26E-09	4.82E-09	4.24E-10	3.92E-10	8.16E-10	2.33E-10	1.95E-10	4.28E-10	2.64E-09	2.27E-09	4.91E-09
1356	650893.4	4195354	2.49E-09	2.20E-09	4.69E-09	4.12E-10	3.82E-10	7.94E-10	2.27E-10	1.90E-10	4.17E-10	2.57E-09	2.21E-09	4.77E-09
1357	650852.3	4195336	2.36E-09	2.09E-09	4.45E-09	3.91E-10	3.62E-10	7.54E-10	2.15E-10	1.80E-10	3.95E-10	2.44E-09	2.09E-09	4.53E-09
1358	650811.2	4195318	2.20E-09	1.95E-09	4.15E-09	3.65E-10	3.38E-10	7.04E-10	2.01E-10	1.68E-10	3.69E-10	2.28E-09	1.96E-09	4.23E-09
1359	650770.1	4195300	2.04E-09	1.80E-09	3.84E-09	3.38E-10	3.13E-10	6.50E-10	1.86E-10	1.55E-10	3.41E-10	2.10E-09	1.81E-09	3.91E-09
1360	650724.8	4195260	1.87E-09	1.65E-09	3.52E-09	3.09E-10	2.86E-10	5.96E-10	1.70E-10	1.42E-10	3.12E-10	1.93E-09	1.65E-09	3.58E-09
1361	650716.4	4195216	1.85E-09	1.63E-09	3.48E-09	3.06E-10	2.84E-10	5.90E-10	1.69E-10	1.41E-10	3.09E-10	1.91E-09	1.64E-09	3.55E-09
1362	650708.1	4195172	1.82E-09	1.61E-09	3.42E-09	3.01E-10	2.79E-10	5.80E-10	1.66E-10	1.38E-10	3.04E-10	1.87E-09	1.61E-09	3.48E-09
1363	650699.8	4195128	1.78E-09	1.57E-09	3.35E-09	2.95E-10	2.73E-10	5.68E-10	1.62E-10	1.36E-10	2.98E-10	1.84E-09	1.58E-09	3.42E-09
1364	650695.6	4195106	1.76E-09	1.56E-09	3.32E-09	2.92E-10	2.71E-10	5.63E-10	1.61E-10	1.34E-10	2.95E-10	1.82E-09	1.57E-09	3.39E-09
1365	650687.3	4195062	1.74E-09	1.54E-09	3.28E-09	2.89E-10	2.67E-10	5.56E-10	1.59E-10	1.33E-10	2.91E-10	1.80E-09	1.54E-09	3.34E-09
1366	650679	4195018	1.72E-09	1.52E-09	3.24E-09	2.85E-10	2.64E-10	5.50E-10	1.57E-10	1.31E-10	2.88E-10	1.78E-09	1.53E-09	3.30E-09
1367	650670.6	4194973	1.69E-09	1.49E-09	3.18E-09	2.80E-10	2.59E-10	5.39E-10	1.54E-10	1.29E-10	2.83E-10	1.74E-09	1.50E-09	3.24E-09
1368	650662.3	4194929	1.64E-09	1.45E-09	3.09E-09	2.72E-10	2.52E-10	5.24E-10	1.50E-10	1.25E-10	2.75E-10	1.69E-09	1.46E-09	3.15E-09
1369	650654	4194885	1.58E-09	1.39E-09	2.97E-09	2.61E-10	2.42E-10	5.03E-10	1.44E-10	1.20E-10	2.64E-10	1.63E-09	1.40E-09	3.03E-09
1370	650645.6	4194841	1.50E-09	1.32E-09	2.82E-09	2.48E-10	2.30E-10	4.78E-10	1.37E-10	1.14E-10	2.51E-10	1.54E-09	1.33E-09	2.87E-09
1371	650637.3	4194797	1.40E-09	1.24E-09	2.64E-09	2.32E-10	2.15E-10	4.47E-10	1.28E-10	1.07E-10	2.35E-10	1.45E-09	1.24E-09	2.69E-09
1372	651265.7	4195505	9.96E-10	8.81E-10	1.88E-09	1.65E-10	1.53E-10	3.18E-10	9.09E-11	7.59E-11	1.67E-10	1.03E-09	8.84E-10	1.91E-09
1373	651288.5	4195503	9.62E-10	8.51E-10	1.81E-09	1.59E-10	1.48E-10	3.07E-10	8.78E-11	7.33E-11	1.61E-10	9.93E-10	8.53E-10	1.85E-09
1374	651311.3	4195501	9.32E-10	8.24E-10	1.76E-09	1.54E-10	1.43E-10	2.97E-10	8.50E-11	7.10E-11	1.56E-10	9.62E-10	8.26E-10	1.79E-09
1375	651334.2	4195500	9.05E-10	8.01E-10	1.71E-09	1.50E-10	1.39E-10	2.89E-10	8.26E-11	6.90E-11	1.52E-10	9.34E-10	8.03E-10	1.74E-09
1376	651357	4195498	8.84E-10	7.82E-10	1.67E-09	1.47E-10	1.36E-10	2.82E-10	8.06E-11	6.73E-11	1.48E-10	9.12E-10	7.84E-10	1.70E-09
1377	651379.8	4195496	8.68E-10	7.68E-10	1.64E-09	1.44E-10	1.33E-10	2.77E-10	7.92E-11	6.61E-11	1.45E-10	8.96E-10	7.70E-10	1.67E-09
1378	651402.6	4195494	8.59E-10	7.59E-10	1.62E-09	1.42E-10	1.32E-10	2.74E-10	7.84E-11	6.54E-11	1.44E-10	8.86E-10	7.62E-10	1.65E-09
1379	651425.4	4195493	8.58E-10	7.58E-10	1.62E-09	1.42E-10	1.32E-10	2.74E-10	7.82E-11	6.53E-11	1.44E-10	8.85E-10	7.61E-10	1.65E-09
1380	651448.2	4195491	8.64E-10	7.64E-10	1.63E-09	1.43E-10	1.33E-10	2.76E-10	7.88E-11	6.58E-11	1.45E-10	8.92E-10	7.66E-10	1.66E-09
1381	651471	4195489	8.77E-10	7.76E-10	1.65E-09	1.45E-10	1.35E-10	2.80E-10	8.00E-11	6.68E-11	1.47E-10	9.05E-10	7.78E-10	1.68E-09
1382	651493.9	4195488	8.94E-10	7.90E-10	1.68E-09	1.48E-10	1.37E-10	2.85E-10	8.15E-11	6.81E-11	1.50E-10	9.23E-10	7.93E-10	1.72E-09

1383	651229.7	4195597	8.30E-10	7.34E-10	1.56E-09	1.38E-10	1.27E-10	2.65E-10	7.57E-11	6.32E-11	1.39E-10	8.56E-10	7.36E-10	1.59E-09
1384	651209	4195588	8.77E-10	7.76E-10	1.65E-09	1.45E-10	1.35E-10	2.80E-10	8.00E-11	6.68E-11	1.47E-10	9.05E-10	7.78E-10	1.68E-09
1385	651188.3	4195579	9.33E-10	8.25E-10	1.76E-09	1.55E-10	1.43E-10	2.98E-10	8.51E-11	7.10E-11	1.56E-10	9.62E-10	8.27E-10	1.79E-09
1386	651167.6	4195570	9.98E-10	8.83E-10	1.88E-09	1.65E-10	1.53E-10	3.19E-10	9.11E-11	7.61E-11	1.67E-10	1.03E-09	8.85E-10	1.92E-09
1387	651147	4195561	1.08E-09	9.52E-10	2.03E-09	1.78E-10	1.65E-10	3.44E-10	9.82E-11	8.20E-11	1.80E-10	1.11E-09	9.55E-10	2.07E-09
1388	651126.3	4195552	1.17E-09	1.03E-09	2.20E-09	1.94E-10	1.79E-10	3.73E-10	1.07E-10	8.90E-11	1.96E-10	1.21E-09	1.04E-09	2.24E-09
1389	651105.6	4195543	1.27E-09	1.13E-09	2.40E-09	2.11E-10	1.95E-10	4.06E-10	1.16E-10	9.70E-11	2.13E-10	1.31E-09	1.13E-09	2.44E-09
1390	651084.9	4195534	1.39E-09	1.23E-09	2.61E-09	2.30E-10	2.13E-10	4.43E-10	1.27E-10	1.06E-10	2.32E-10	1.43E-09	1.23E-09	2.66E-09
1391	651064.3	4195525	1.51E-09	1.33E-09	2.84E-09	2.50E-10	2.32E-10	4.82E-10	1.38E-10	1.15E-10	2.53E-10	1.56E-09	1.34E-09	2.90E-09
1392	651043.6	4195516	1.63E-09	1.44E-09	3.07E-09	2.70E-10	2.50E-10	5.21E-10	1.49E-10	1.24E-10	2.73E-10	1.68E-09	1.45E-09	3.13E-09
1393	650919.5	4195462	2.09E-09	1.85E-09	3.95E-09	3.47E-10	3.21E-10	6.69E-10	1.91E-10	1.60E-10	3.51E-10	2.16E-09	1.86E-09	4.02E-09
1394	650898.9	4195453	2.10E-09	1.86E-09	3.96E-09	3.49E-10	3.23E-10	6.71E-10	1.92E-10	1.60E-10	3.52E-10	2.17E-09	1.87E-09	4.04E-09
1395	650878.2	4195444	2.09E-09	1.85E-09	3.95E-09	3.47E-10	3.22E-10	6.69E-10	1.91E-10	1.60E-10	3.51E-10	2.16E-09	1.86E-09	4.02E-09
1396	650857.5	4195435	2.07E-09	1.83E-09	3.90E-09	3.43E-10	3.18E-10	6.61E-10	1.89E-10	1.58E-10	3.47E-10	2.14E-09	1.84E-09	3.97E-09
1397	650836.8	4195426	2.03E-09	1.80E-09	3.83E-09	3.37E-10	3.12E-10	6.49E-10	1.86E-10	1.55E-10	3.41E-10	2.10E-09	1.80E-09	3.90E-09
1398	650816.2	4195417	1.99E-09	1.76E-09	3.75E-09	3.30E-10	3.05E-10	6.35E-10	1.82E-10	1.52E-10	3.33E-10	2.05E-09	1.76E-09	3.82E-09
1399	650795.5	4195408	1.94E-09	1.71E-09	3.65E-09	3.21E-10	2.98E-10	6.19E-10	1.77E-10	1.48E-10	3.25E-10	2.00E-09	1.72E-09	3.72E-09
1400	650774.8	4195399	1.88E-09	1.66E-09	3.55E-09	3.12E-10	2.89E-10	6.01E-10	1.72E-10	1.43E-10	3.15E-10	1.94E-09	1.67E-09	3.61E-09
1401	650754.1	4195389	1.82E-09	1.61E-09	3.44E-09	3.02E-10	2.80E-10	5.83E-10	1.66E-10	1.39E-10	3.05E-10	1.88E-09	1.62E-09	3.50E-09
1402	650733.5	4195380	1.76E-09	1.56E-09	3.33E-09	2.92E-10	2.71E-10	5.63E-10	1.61E-10	1.34E-10	2.95E-10	1.82E-09	1.57E-09	3.39E-09
1403	650712.8	4195371	1.70E-09	1.51E-09	3.21E-09	2.82E-10	2.62E-10	5.44E-10	1.55E-10	1.30E-10	2.85E-10	1.76E-09	1.51E-09	3.27E-09
1404	650692.1	4195362	1.64E-09	1.45E-09	3.10E-09	2.72E-10	2.52E-10	5.24E-10	1.50E-10	1.25E-10	2.75E-10	1.70E-09	1.46E-09	3.15E-09
1405	650671.4	4195353	1.58E-09	1.40E-09	2.98E-09	2.62E-10	2.43E-10	5.05E-10	1.44E-10	1.20E-10	2.65E-10	1.63E-09	1.40E-09	3.04E-09
1406	650646.6	4195322	1.52E-09	1.34E-09	2.86E-09	2.52E-10	2.33E-10	4.85E-10	1.39E-10	1.16E-10	2.54E-10	1.57E-09	1.35E-09	2.92E-09
1407	650638.2	4195278	1.51E-09	1.33E-09	2.84E-09	2.50E-10	2.31E-10	4.81E-10	1.38E-10	1.15E-10	2.52E-10	1.56E-09	1.34E-09	2.89E-09
1408	650634	4195256	1.50E-09	1.32E-09	2.82E-09	2.48E-10	2.30E-10	4.78E-10	1.37E-10	1.14E-10	2.51E-10	1.54E-09	1.33E-09	2.87E-09
1409	650625.6	4195211	1.47E-09	1.30E-09	2.77E-09	2.43E-10	2.25E-10	4.69E-10	1.34E-10	1.12E-10	2.46E-10	1.52E-09	1.30E-09	2.82E-09
1410	650621.4	4195189	1.45E-09	1.29E-09	2.74E-09	2.41E-10	2.23E-10	4.64E-10	1.33E-10	1.11E-10	2.43E-10	1.50E-09	1.29E-09	2.79E-09
1411	650613	4195145	1.43E-09	1.26E-09	2.69E-09	2.37E-10	2.19E-10	4.56E-10	1.30E-10	1.09E-10	2.39E-10	1.48E-09	1.27E-09	2.74E-09
1412	650608.9	4195123	1.42E-09	1.26E-09	2.68E-09	2.36E-10	2.18E-10	4.54E-10	1.30E-10	1.08E-10	2.38E-10	1.47E-09	1.26E-09	2.73E-09
1413	650600.5	4195078	1.41E-09	1.25E-09	2.66E-09	2.34E-10	2.17E-10	4.51E-10	1.29E-10	1.08E-10	2.36E-10	1.46E-09	1.25E-09	2.71E-09
1414	650596.3	4195056	1.41E-09	1.24E-09	2.65E-09	2.33E-10	2.16E-10	4.49E-10	1.28E-10	1.07E-10	2.36E-10	1.45E-09	1.25E-09	2.70E-09
1415	650587.9	4195012	1.40E-09	1.23E-09	2.63E-09	2.31E-10	2.14E-10	4.46E-10	1.27E-10	1.06E-10	2.34E-10	1.44E-09	1.24E-09	2.68E-09
1416	650583.7	4194990	1.38E-09	1.22E-09	2.61E-09	2.29E-10	2.12E-10	4.42E-10	1.26E-10	1.05E-10	2.32E-10	1.43E-09	1.23E-09	2.66E-09
1417	650575.3	4194945	1.35E-09	1.19E-09	2.54E-09	2.23E-10	2.07E-10	4.30E-10	1.23E-10	1.03E-10	2.26E-10	1.39E-09	1.20E-09	2.59E-09
1418	650571.2	4194923	1.32E-09	1.17E-09	2.50E-09	2.20E-10	2.03E-10	4.23E-10	1.21E-10	1.01E-10	2.22E-10	1.37E-09	1.17E-09	2.54E-09
1419	650562.8	4194879	1.27E-09	1.12E-09	2.39E-09	2.10E-10	1.95E-10	4.05E-10	1.16E-10	9.66E-11	2.12E-10	1.31E-09	1.13E-09	2.43E-09
1420	650558.6	4194857	1.24E-09	1.09E-09	2.33E-09	2.05E-10	1.90E-10	3.95E-10	1.13E-10	9.42E-11	2.07E-10	1.28E-09	1.10E-09	2.37E-09
1421	650550.2	4194812	1.17E-09	1.03E-09	2.20E-09	1.93E-10	1.79E-10	3.72E-10	1.06E-10	8.89E-11	1.95E-10	1.20E-09	1.03E-09	2.24E-09
1422	650546	4194790	1.13E-09	9.99E-10	2.13E-09	1.87E-10	1.73E-10	3.61E-10	1.03E-10	8.61E-11	1.89E-10	1.17E-09	1.00E-09	2.17E-09
1423	650537.6	4194746	1.06E-09	9.34E-10	1.99E-09	1.75E-10	1.62E-10	3.37E-10	9.64E-11	8.05E-11	1.77E-10	1.09E-09	9.37E-10	2.03E-09
1424	651250.3	4195606	7.88E-10	6.97E-10	1.48E-09	1.31E-10	1.21E-10	2.52E-10	7.19E-11	6.00E-11	1.32E-10	8.13E-10	6.99E-10	1.51E-09
1425	651273.2	4195604	7.66E-10	6.78E-10	1.44E-09	1.27E-10	1.18E-10	2.45E-10	6.99E-11	5.84E-11	1.28E-10	7.91E-10	6.80E-10	1.47E-09
1426	651296	4195603	7.45E-10	6.59E-10	1.40E-09	1.24E-10	1.14E-10	2.38E-10	6.80E-11	5.68E-11	1.25E-10	7.69E-10	6.61E-10	1.43E-09
1427	651318.8	4195601	7.25E-10	6.41E-10	1.37E-09	1.20E-10	1.11E-10	2.31E-10	6.61E-11	5.52E-11	1.21E-10	7.48E-10	6.43E-10	1.39E-09
1428	651341.6	4195599	7.05E-10	6.23E-10	1.33E-09	1.17E-10	1.08E-10	2.25E-10	6.43E-11	5.37E-11	1.18E-10	7.28E-10	6.25E-10	1.35E-09
1429	651364.4	4195598	6.88E-10	6.08E-10	1.30E-09	1.14E-10	1.06E-10	2.20E-10	6.28E-11	5.24E-11	1.15E-10	7.10E-10	6.10E-10	1.32E-09
1430	651119.4	4195742	6.93E-10	6.12E-10	1.30E-09	1.15E-10	1.06E-10	2.21E-10	6.32E-11	5.28E-11	1.16E-10	7.15E-10	6.14E-10	1.33E-09
1431	651098.6	4195733	7.38E-10	6.52E-10	1.39E-09	1.22E-10	1.13E-10	2.35E-10	6.73E-11	5.62E-11	1.23E-10	7.61E-10	6.54E-10	1.42E-09
1432	651077.8	4195724	7.91E-10	7.00E-10	1.49E-09	1.31E-10	1.21E-10	2.53E-10	7.22E-11	6.03E-11	1.32E-10	8.17E-10	7.02E-10	1.52E-09
1433	650786.1	4195596	1.50E-09	1.33E-09	2.83E-09	2.49E-10	2.31E-10	4.80E-10	1.37E-10	1.14E-10	2.51E-10	1.55E-09	1.33E-09	2.88E-09
1434	650765.2	4195587	1.49E-09	1.32E-09	2.81E-09	2.47E-10	2.29E-10	4.75E-10	1.36E-10	1.13E-10	2.49E-10	1.54E-09	1.32E-09	2.86E-09
1435	650744.4	4195578	1.47E-09	1.30E-09	2.77E-09	2.44E-10	2.26E-10	4.69E-10	1.34E-10	1.12E-10	2.46E-10	1.52E-09	1.30E-09	2.82E-09
1436	650723.5	4195569	1.44E-09	1.28E-09	2.72E-09	2.39E-10	2.22E-10	4.61E-10	1.32E-10	1.10E-10	2.42E-10	1.49E-09	1.28E-09	2.77E-09
1437	650702.7	4195560	1.42E-09	1.25E-09	2.67E-09	2.35E-10	2.17E-10	4.52E-10	1.29E-10	1.08E-10	2.37E-10	1.46E-09	1.26E-09	2.72E-09
1438	650681.9	4195551	1.39E-09	1.23E-09	2.61E-09	2.30E-10	2.13E-10	4.42E-10	1.26E-10	1.06E-10	2.32E-10	1.43E-09	1.23E-09	2.66E-09
1439	650661	4195542	1.35E-09	1.20E-09	2.55E-09	2.24E-10	2.08E-10	4.32E-10	1.23E-10	1.03E-10	2.26E-10	1.40E-09	1.20E-09	2.60E-09
1440	650640.2	4195533	1.32E-09	1.17E-09	2.49E-09	2.19E-10	2.02E-10	4.21E-10	1.20E-10	1.00E-10	2.21E-10	1.36E-09	1.17E-09	2.53E-09
1441	650619.4	4195524	1.28E-09	1.14E-09	2.42E-09	2.13E-10	1.97E-10	4.10E-10	1.17E-10	9.79E-11	2.15E-10	1.33E-09	1.14E-09	2.47E-09
1442	650598.5	4195515	1.25E-09	1.11E-09	2.36E-09	2.07E-10	1.92E-10	3.99E-10	1.14E-10	9.53E-11	2.09E-10	1.29E-09	1.11E-09	2.40E-09
1443	650577.7	4195505	1.22E-09	1.08E-09	2.29E-09	2.02E-10	1.87E-10	3.88E-10	1.11E-10	9.27E-11	2.04E-10	1.26E-09	1.08E-09	2.33E-09
1444	650556.9	4195496	1.18E-09	1.05E-09	2.23E-09	1.96E-10	1.81E-10	3.77E-10	1.08E-10	9.01E-11	1.98E-10	1.22E-09	1.05E-09	2.27E-09
1445	650536	4195487	1.15E-09	1.02E-09	2.16E-09	1.90E-10	1.76E-10	3.67E-10	1.05E-10	8.75E-11	1.92E-10	1.18E-09	1.02E-09	2.20E-09
1446	650515.2	4195478	1.11E-09	9.85E-10	2.10E-09	1.85E-10	1.71E-10	3.56E-10	1.02E-10	8.49E-11	1.86E-10	1.15E-09	9.88E-10	2.14E-09
1447	650490.1	4195447	1.08E-09	9.54E-10	2.03E-09	1.79E-10	1.66E-10	3.45E-10	9.85E-11	8.22E-11	1.81E-10	1.11E-09	9.57E-10	2.07E-09
1448	650481.7	4195402	1.07E-09	9.48E-10	2.02E-09	1.78E-10	1.65E-10	3.42E-10	9.78E-11	8.17E-11	1.79E-10	1.11E-09	9.51E-10	2.06E-09
1449	650477.5	4195380	1.07E-09	9.42E-10	2.01E-09	1.77E-10	1.64E-10	3.40E-10	9.72E-11	8.12E-11	1.78E-10	1.10E-09	9.45E-10	2.04E-09
1450	650469	4195335	1.05E-09	9.27E-10	1.97E-09	1.74E-10	1.61E-10	3.35E-10	9.56E-11	7.98E-11	1.75E-10	1.08E-09	9.29E-10	2.01E-09
1451	650464.8	4195313	1.04E-09	9.18E-10	1.96E-09	1.72E-10	1.59E-10	3.31E-10	9.47E-11	7.91E-11	1.74E-10	1.07E-09	9.21E-10	1.99E-09
1452	650456.4	4195268	1.02E-09	9.01E-10	1.92E-09	1.69E-10	1.56E-10	3.25E-10	9.30E-11	7.76E-11	1.71E-10	1.05E-09	9.04E-10	1.96E-09
1453	650452.1	4195246	1.01E-09	8.95E-10	1.91E-09	1.68E-10	1.55E-10	3.23E-10	9.23E-11	7.71E-11	1.69E-10	1.04E-09	8.97E-10	1.94E-09
1454	650443.7	4195201	1.00E-09	8.86E-10	1.89E-09	1.66E-10	1.54E-10	3.20E-10	9.14E-11	7.64E-11	1.68E-10	1.03E-09	8.89E-10	1.92E-09
1455	650439.5	4195179	1.00E-09	8.85E-10	1.89E-09	1.66E-10	1.54E-10	3.20E-10	9.13E-11	7.63E-11	1.68E-10	1.03E-09	8.88E-10	1.92E-09
1456	650431	4195134	1.00E-09	8.87E-10	1.89E-09	1.66E-10	1.54E-10	3.20E-10	9.15E-11	7.64E-11	1.68E-10	1.04E-09	8.90E-10	1.92E-09
1457	650426.8	4195112	1.00E-09	8.89E-10	1.89E-09	1.67E-10	1.54E-10	3.21E-10	9.17E-11	7.66E-11	1.68E-10	1.04E-09	8.91E-10	1.93E-09
1458	650418.4	4195067	1.01E-09	8.89E-10	1.89E-09	1.67E-10	1.54E-10	3.21E-10	9.17E-11	7.66E-11	1.68E-10	1.04E-09	8.92E-10	1.93E-09
1459	650414.2	4195045	1.00E-09	8.86E-10	1.89E-09	1.66E-10	1.54E-10	3.20E-10	9.14E-11	7.63E-11	1.68E-10	1.03E-09	8.88E-10	1.92E-09

1460	650405.7	4195000	9.84E-10	8.70E-10	1.85E-09	1.63E-10	1.51E-10	3.14E-10	8.98E-11	7.50E-11	1.65E-10	1.02E-09	8.73E-10	1.89E-09
1461	650401.5	4194978	9.70E-10	8.58E-10	1.83E-09	1.61E-10	1.49E-10	3.10E-10	8.85E-11	7.39E-11	1.62E-10	1.00E-09	8.61E-10	1.86E-09
1462	650393	4194933	9.36E-10	8.27E-10	1.76E-09	1.55E-10	1.44E-10	2.99E-10	8.54E-11	7.13E-11	1.57E-10	9.66E-10	8.30E-10	1.80E-09
1463	650388.8	4194911	9.16E-10	8.10E-10	1.73E-09	1.52E-10	1.41E-10	2.92E-10	8.35E-11	6.98E-11	1.53E-10	9.45E-10	8.12E-10	1.76E-09
1464	650384.6	4194888	8.95E-10	7.91E-10	1.69E-09	1.48E-10	1.37E-10	2.86E-10	8.16E-11	6.82E-11	1.50E-10	9.24E-10	7.94E-10	1.72E-09
1465	650376.2	4194844	8.53E-10	7.54E-10	1.61E-09	1.41E-10	1.31E-10	2.72E-10	7.78E-11	6.50E-11	1.43E-10	8.80E-10	7.57E-10	1.64E-09
1466	650371.9	4194821	8.32E-10	7.36E-10	1.57E-09	1.38E-10	1.28E-10	2.66E-10	7.59E-11	6.34E-11	1.39E-10	8.59E-10	7.38E-10	1.60E-09
1467	650363.5	4194777	7.93E-10	7.01E-10	1.49E-09	1.31E-10	1.22E-10	2.53E-10	7.24E-11	6.04E-11	1.33E-10	8.19E-10	7.04E-10	1.52E-09
1468	650359.3	4194754	7.75E-10	6.85E-10	1.46E-09	1.28E-10	1.19E-10	2.47E-10	7.07E-11	5.90E-11	1.30E-10	7.99E-10	6.87E-10	1.49E-09
1469	650350.8	4194710	7.37E-10	6.52E-10	1.39E-09	1.22E-10	1.13E-10	2.35E-10	6.73E-11	5.62E-11	1.23E-10	7.61E-10	6.54E-10	1.41E-09
1470	650346.6	4194687	7.17E-10	6.34E-10	1.35E-09	1.19E-10	1.10E-10	2.29E-10	6.55E-11	5.47E-11	1.20E-10	7.40E-10	6.36E-10	1.38E-09
1471	651265.3	4195806	5.24E-10	4.63E-10	9.87E-10	8.68E-11	8.04E-11	1.67E-10	4.78E-11	3.99E-11	8.77E-11	5.41E-10	4.65E-10	1.01E-09
1472	651288.1	4195804	5.12E-10	4.52E-10	9.64E-10	8.48E-11	7.85E-11	1.63E-10	4.67E-11	3.90E-11	8.56E-11	5.28E-10	4.54E-10	9.82E-10
1473	651310.9	4195802	4.98E-10	4.40E-10	9.38E-10	8.25E-11	7.64E-11	1.59E-10	4.54E-11	3.79E-11	8.33E-11	5.14E-10	4.41E-10	9.55E-10
1474	651333.7	4195800	4.83E-10	4.27E-10	9.11E-10	8.01E-11	7.42E-11	1.54E-10	4.41E-11	3.68E-11	8.09E-11	4.99E-10	4.29E-10	9.28E-10
1475	651356.5	4195799	4.70E-10	4.15E-10	8.85E-10	7.79E-11	7.21E-11	1.50E-10	4.29E-11	3.58E-11	7.86E-11	4.85E-10	4.17E-10	9.01E-10
1476	651379.4	4195797	4.58E-10	4.05E-10	8.64E-10	7.60E-11	7.04E-11	1.46E-10	4.18E-11	3.49E-11	7.67E-11	4.73E-10	4.07E-10	8.80E-10
1477	651402.2	4195795	4.51E-10	3.99E-10	8.49E-10	7.47E-11	6.92E-11	1.44E-10	4.11E-11	3.43E-11	7.55E-11	4.65E-10	4.00E-10	8.65E-10
1478	651425	4195794	4.48E-10	3.96E-10	8.44E-10	7.42E-11	6.87E-11	1.43E-10	4.09E-11	3.41E-11	7.50E-11	4.62E-10	3.97E-10	8.59E-10
1479	651447.8	4195792	4.50E-10	3.98E-10	8.48E-10	7.46E-11	6.91E-11	1.44E-10	4.11E-11	3.43E-11	7.53E-11	4.64E-10	3.99E-10	8.63E-10
1480	651470.6	4195790	4.57E-10	4.04E-10	8.62E-10	7.58E-11	7.02E-11	1.46E-10	4.17E-11	3.48E-11	7.66E-11	4.72E-10	4.06E-10	8.77E-10
1481	651493.4	4195788	4.69E-10	4.15E-10	8.84E-10	7.77E-11	7.20E-11	1.50E-10	4.28E-11	3.57E-11	7.85E-11	4.84E-10	4.16E-10	9.00E-10
1482	651259.3	4195996	3.98E-10	3.52E-10	7.49E-10	6.59E-11	6.10E-11	1.27E-10	3.63E-11	3.03E-11	6.66E-11	4.10E-10	3.53E-10	7.63E-10
1483	651238.3	4195987	4.10E-10	3.63E-10	7.73E-10	6.80E-11	6.30E-11	1.31E-10	3.74E-11	3.13E-11	6.87E-11	4.23E-10	3.64E-10	7.87E-10
1484	651217.4	4195978	4.21E-10	3.73E-10	7.94E-10	6.98E-11	6.47E-11	1.35E-10	3.84E-11	3.21E-11	7.05E-11	4.35E-10	3.74E-10	8.09E-10
1485	651196.4	4195968	4.31E-10	3.81E-10	8.12E-10	7.15E-11	6.62E-11	1.38E-10	3.93E-11	3.28E-11	7.22E-11	4.45E-10	3.82E-10	8.27E-10
1486	651175.5	4195959	4.40E-10	3.89E-10	8.29E-10	7.30E-11	6.76E-11	1.41E-10	4.02E-11	3.35E-11	7.37E-11	4.54E-10	3.90E-10	8.45E-10
1487	651154.6	4195950	4.49E-10	3.97E-10	8.47E-10	7.45E-11	6.90E-11	1.43E-10	4.10E-11	3.42E-11	7.52E-11	4.64E-10	3.99E-10	8.62E-10
1488	651133.6	4195941	4.60E-10	4.07E-10	8.67E-10	7.63E-11	7.06E-11	1.47E-10	4.20E-11	3.51E-11	7.71E-11	4.75E-10	4.08E-10	8.83E-10
1489	651112.7	4195932	4.74E-10	4.19E-10	8.93E-10	7.85E-11	7.27E-11	1.51E-10	4.32E-11	3.61E-11	7.93E-11	4.89E-10	4.20E-10	9.09E-10
1490	651091.7	4195923	4.91E-10	4.34E-10	9.26E-10	8.14E-11	7.54E-11	1.57E-10	4.48E-11	3.74E-11	8.23E-11	5.07E-10	4.36E-10	9.43E-10
1491	651070.8	4195914	5.14E-10	4.55E-10	9.69E-10	8.52E-11	7.89E-11	1.64E-10	4.69E-11	3.92E-11	8.61E-11	5.31E-10	4.56E-10	9.86E-10
1492	651049.9	4195904	5.42E-10	4.80E-10	1.02E-09	8.99E-11	8.33E-11	1.73E-10	4.95E-11	4.13E-11	9.08E-11	5.60E-10	4.81E-10	1.04E-09
1493	651028.9	4195895	5.77E-10	5.10E-10	1.09E-09	9.56E-11	8.86E-11	1.84E-10	5.26E-11	4.40E-11	9.66E-11	5.96E-10	5.12E-10	1.11E-09
1494	651008	4195886	6.18E-10	5.46E-10	1.16E-09	1.02E-10	9.48E-11	1.97E-10	5.63E-11	4.71E-11	1.03E-10	6.37E-10	5.48E-10	1.19E-09
1495	650987.1	4195877	6.63E-10	5.87E-10	1.25E-09	1.10E-10	1.02E-10	2.12E-10	6.05E-11	5.05E-11	1.11E-10	6.85E-10	5.88E-10	1.27E-09
1496	650966.1	4195868	7.14E-10	6.31E-10	1.34E-09	1.18E-10	1.10E-10	2.28E-10	6.51E-11	5.44E-11	1.19E-10	7.37E-10	6.33E-10	1.37E-09
1497	650673	4195740	1.13E-09	1.00E-09	2.14E-09	1.88E-10	1.74E-10	3.62E-10	1.03E-10	8.63E-11	1.90E-10	1.17E-09	1.01E-09	2.17E-09
1498	650652	4195731	1.12E-09	9.92E-10	2.11E-09	1.86E-10	1.72E-10	3.58E-10	1.02E-10	8.54E-11	1.88E-10	1.16E-09	9.95E-10	2.15E-09
1499	650631.1	4195722	1.11E-09	9.79E-10	2.09E-09	1.83E-10	1.70E-10	3.53E-10	1.01E-10	8.43E-11	1.85E-10	1.14E-09	9.82E-10	2.12E-09
1500	650610.2	4195713	1.09E-09	9.63E-10	2.05E-09	1.81E-10	1.67E-10	3.48E-10	9.94E-11	8.30E-11	1.82E-10	1.12E-09	9.66E-10	2.09E-09
1501	650589.2	4195703	1.07E-09	9.46E-10	2.02E-09	1.77E-10	1.64E-10	3.42E-10	9.77E-11	8.15E-11	1.79E-10	1.10E-09	9.49E-10	2.05E-09
1502	650568.3	4195694	1.05E-09	9.28E-10	1.98E-09	1.74E-10	1.61E-10	3.35E-10	9.58E-11	8.00E-11	1.76E-10	1.08E-09	9.31E-10	2.01E-09
1503	650547.4	4195685	1.03E-09	9.09E-10	1.94E-09	1.70E-10	1.58E-10	3.28E-10	9.38E-11	7.84E-11	1.72E-10	1.06E-09	9.12E-10	1.97E-09
1504	650526.4	4195676	1.01E-09	8.90E-10	1.90E-09	1.67E-10	1.55E-10	3.21E-10	9.18E-11	7.67E-11	1.69E-10	1.04E-09	8.93E-10	1.93E-09
1505	650505.5	4195667	9.85E-10	8.71E-10	1.86E-09	1.63E-10	1.51E-10	3.14E-10	8.99E-11	7.50E-11	1.65E-10	1.02E-09	8.73E-10	1.89E-09
1506	650484.5	4195658	9.63E-10	8.52E-10	1.81E-09	1.60E-10	1.48E-10	3.08E-10	8.79E-11	7.34E-11	1.61E-10	9.94E-10	8.54E-10	1.85E-09
1507	650463.6	4195649	9.42E-10	8.33E-10	1.78E-09	1.56E-10	1.45E-10	3.01E-10	8.59E-11	7.18E-11	1.58E-10	9.72E-10	8.36E-10	1.81E-09
1508	650442.7	4195639	9.21E-10	8.15E-10	1.74E-09	1.53E-10	1.41E-10	2.94E-10	8.40E-11	7.02E-11	1.54E-10	9.51E-10	8.17E-10	1.77E-09
1509	650421.7	4195630	9.01E-10	7.96E-10	1.70E-09	1.49E-10	1.38E-10	2.88E-10	8.22E-11	6.86E-11	1.51E-10	9.30E-10	7.99E-10	1.73E-09
1510	650400.8	4195621	8.80E-10	7.78E-10	1.66E-09	1.46E-10	1.35E-10	2.81E-10	8.03E-11	6.71E-11	1.47E-10	9.08E-10	7.81E-10	1.69E-09
1511	650379.8	4195612	8.60E-10	7.60E-10	1.62E-09	1.43E-10	1.32E-10	2.74E-10	7.84E-11	6.55E-11	1.44E-10	8.87E-10	7.63E-10	1.65E-09
1512	650358.9	4195603	8.39E-10	7.42E-10	1.58E-09	1.39E-10	1.29E-10	2.68E-10	7.65E-11	6.39E-11	1.40E-10	8.66E-10	7.44E-10	1.61E-09
1513	650333.7	4195571	8.18E-10	7.23E-10	1.54E-09	1.36E-10	1.26E-10	2.61E-10	7.46E-11	6.23E-11	1.37E-10	8.44E-10	7.25E-10	1.57E-09
1514	650329.5	4195549	8.16E-10	7.21E-10	1.54E-09	1.35E-10	1.25E-10	2.60E-10	7.44E-11	6.22E-11	1.37E-10	8.42E-10	7.24E-10	1.57E-09
1515	650325.2	4195526	8.13E-10	7.19E-10	1.53E-09	1.35E-10	1.25E-10	2.59E-10	7.42E-11	6.19E-11	1.36E-10	8.39E-10	7.21E-10	1.56E-09
1516	650321	4195504	8.08E-10	7.15E-10	1.52E-09	1.34E-10	1.24E-10	2.58E-10	7.38E-11	6.16E-11	1.35E-10	8.34E-10	7.17E-10	1.55E-09
1517	650316.8	4195481	8.03E-10	7.10E-10	1.51E-09	1.33E-10	1.23E-10	2.56E-10	7.32E-11	6.12E-11	1.34E-10	8.29E-10	7.12E-10	1.54E-09
1518	650312.5	4195459	7.96E-10	7.04E-10	1.50E-09	1.32E-10	1.22E-10	2.54E-10	7.27E-11	6.07E-11	1.33E-10	8.22E-10	7.06E-10	1.53E-09
1519	650308.3	4195437	7.89E-10	6.98E-10	1.49E-09	1.31E-10	1.21E-10	2.52E-10	7.20E-11	6.01E-11	1.32E-10	8.15E-10	7.00E-10	1.52E-09
1520	650304	4195414	7.82E-10	6.92E-10	1.47E-09	1.30E-10	1.20E-10	2.50E-10	7.14E-11	5.96E-11	1.31E-10	8.08E-10	6.94E-10	1.50E-09
1521	650299.8	4195392	7.76E-10	6.86E-10	1.46E-09	1.29E-10	1.19E-10	2.48E-10	7.08E-11	5.91E-11	1.30E-10	8.01E-10	6.88E-10	1.49E-09
1522	650295.5	4195369	7.70E-10	6.81E-10	1.45E-09	1.28E-10	1.18E-10	2.46E-10	7.02E-11	5.86E-11	1.29E-10	7.94E-10	6.83E-10	1.48E-09
1523	650287.1	4195324	7.60E-10	6.72E-10	1.43E-09	1.26E-10	1.17E-10	2.43E-10	6.93E-11	5.79E-11	1.27E-10	7.84E-10	6.74E-10	1.46E-09
1524	650282.8	4195302	7.57E-10	6.69E-10	1.43E-09	1.25E-10	1.16E-10	2.42E-10	6.91E-11	5.77E-11	1.27E-10	7.81E-10	6.71E-10	1.45E-09
1525	650278.6	4195279	7.56E-10	6.68E-10	1.42E-09	1.25E-10	1.16E-10	2.41E-10	6.89E-11	5.76E-11	1.26E-10	7.80E-10	6.70E-10	1.45E-09
1526	650274.3	4195257	7.56E-10	6.68E-10	1.42E-09	1.25E-10	1.16E-10	2.41E-10	6.89E-11	5.76E-11	1.27E-10	7.80E-10	6.70E-10	1.45E-09
1527	650270.1	4195235	7.57E-10	6.69E-10	1.43E-09	1.25E-10	1.16E-10	2.42E-10	6.91E-11	5.77E-11	1.27E-10	7.81E-10	6.71E-10	1.45E-09
1528	650265.9	4195212	7.59E-10	6.72E-10	1.43E-09	1.26E-10	1.17E-10	2.42E-10	6.93E-11	5.79E-11	1.27E-10	7.84E-10	6.74E-10	1.46E-09
1529	650261.6	4195190	7.63E-10	6.74E-10	1.44E-09	1.26E-10	1.17E-10	2.43E-10	6.96E-11	5.81E-11	1.28E-10	7.87E-10	6.76E-10	1.46E-09
1530	650257.4	4195167	7.66E-10	6.77E-10	1.44E-09	1.27E-10	1.18E-10	2.44E-10	6.99E-11	5.83E-11	1.28E-10	7.90E-10	6.79E-10	1.47E-09
1531	650253.1	4195145	7.68E-10	6.79E-10	1.45E-09	1.27E-10	1.18E-10	2.45E-10	7.01E-11	5.85E-11	1.29E-10	7.93E-10	6.81E-10	1.47E-09
1532	650244.6	4195100	7.69E-10	6.80E-10	1.45E-09	1.27E-10	1.18E-10	2.46E-10	7.02E-11	5.86E-11	1.29E-10	7.94E-10	6.82E-10	1.48E-09
1533	650240.4	4195077	7.66E-10	6.78E-10	1.44E-09	1.27E-10	1.18E-10	2.45E-10	6.99E-11	5.84E-11	1.28E-10	7.91E-10	6.80E-10	1.47E-09
1534	650236.2	4195055	7.61E-10	6.73E-10	1.43E-09	1.26E-10	1.17E-10	2.43E-10	6.94E-11	5.80E-11	1.27E-10	7.85E-10	6.75E-10	1.46E-09
1535	650231.9	4195032	7.52E-10	6.65E-10	1.42E-09	1.25E-10	1.16E-10	2.40E-10	6.87E-11	5.73E-11	1.26E-10	7.77E-10	6.67E-10	1.44E-09
1536	650227.7	4195010	7.42E-10	6.56E-10	1.40E-09	1.23E-10	1.14E-10	2.37E-10	6.77E-11	5.65E-11	1.24E-10	7.66E-10	6.58E-10	1.42E-09

1537	650223.4	4194988	7.29E-10	6.45E-10	1.37E-09	1.21E-10	1.12E-10	2.33E-10	6.65E-11	5.56E-11	1.22E-10	7.53E-10	6.47E-10	1.40E-09
1538	650219.2	4194965	7.15E-10	6.32E-10	1.35E-09	1.19E-10	1.10E-10	2.28E-10	6.52E-11	5.45E-11	1.20E-10	7.38E-10	6.34E-10	1.37E-09
1539	650214.9	4194943	7.00E-10	6.19E-10	1.32E-09	1.16E-10	1.07E-10	2.23E-10	6.39E-11	5.33E-11	1.17E-10	7.23E-10	6.21E-10	1.34E-09
1540	650210.7	4194920	6.85E-10	6.06E-10	1.29E-09	1.14E-10	1.05E-10	2.19E-10	6.25E-11	5.22E-11	1.15E-10	7.07E-10	6.08E-10	1.31E-09
1541	650202.2	4194875	6.57E-10	5.81E-10	1.24E-09	1.09E-10	1.01E-10	2.10E-10	6.00E-11	5.01E-11	1.10E-10	6.78E-10	5.83E-10	1.26E-09
1542	650198	4194853	6.44E-10	5.70E-10	1.21E-09	1.07E-10	9.89E-11	2.06E-10	5.88E-11	4.91E-11	1.08E-10	6.65E-10	5.71E-10	1.24E-09
1543	650193.7	4194830	6.33E-10	5.59E-10	1.19E-09	1.05E-10	9.71E-11	2.02E-10	5.77E-11	4.82E-11	1.06E-10	6.53E-10	5.61E-10	1.21E-09
1544	650189.5	4194808	6.22E-10	5.50E-10	1.17E-09	1.03E-10	9.54E-11	1.98E-10	5.67E-11	4.74E-11	1.04E-10	6.42E-10	5.51E-10	1.19E-09
1545	650185.3	4194786	6.11E-10	5.41E-10	1.15E-09	1.01E-10	9.38E-11	1.95E-10	5.58E-11	4.66E-11	1.02E-10	6.31E-10	5.42E-10	1.17E-09
1546	650181	4194763	6.01E-10	5.32E-10	1.13E-09	9.97E-11	9.23E-11	1.92E-10	5.49E-11	4.58E-11	1.01E-10	6.21E-10	5.33E-10	1.15E-09
1547	650176.8	4194741	5.91E-10	5.23E-10	1.11E-09	9.80E-11	9.08E-11	1.89E-10	5.40E-11	4.51E-11	9.90E-11	6.10E-10	5.25E-10	1.14E-09
1548	650172.5	4194718	5.81E-10	5.14E-10	1.09E-09	9.63E-11	8.92E-11	1.86E-10	5.30E-11	4.43E-11	9.73E-11	6.00E-10	5.15E-10	1.12E-09
1549	650164	4194673	5.57E-10	4.93E-10	1.05E-09	9.24E-11	8.55E-11	1.78E-10	5.08E-11	4.25E-11	9.33E-11	5.75E-10	4.94E-10	1.07E-09
1550	650159.8	4194651	5.43E-10	4.80E-10	1.02E-09	9.00E-11	8.33E-11	1.73E-10	4.95E-11	4.14E-11	9.09E-11	5.60E-10	4.82E-10	1.04E-09
1551	650155.6	4194628	5.27E-10	4.66E-10	9.93E-10	8.74E-11	8.09E-11	1.68E-10	4.81E-11	4.02E-11	8.83E-11	5.44E-10	4.68E-10	1.01E-09
1552	650151.3	4194606	5.10E-10	4.51E-10	9.62E-10	8.46E-11	7.83E-11	1.63E-10	4.66E-11	3.89E-11	8.54E-11	5.27E-10	4.53E-10	9.79E-10
1553	651280.2	4196005	3.83E-10	3.39E-10	7.22E-10	6.35E-11	5.88E-11	1.22E-10	3.50E-11	2.92E-11	6.42E-11	3.96E-10	3.40E-10	7.35E-10
1554	651303	4196003	3.72E-10	3.29E-10	7.01E-10	6.17E-11	5.71E-11	1.19E-10	3.40E-11	2.84E-11	6.23E-11	3.84E-10	3.30E-10	7.14E-10
1555	651325.8	4196002	3.61E-10	3.19E-10	6.79E-10	5.98E-11	5.53E-11	1.15E-10	3.29E-11	2.75E-11	6.04E-11	3.72E-10	3.20E-10	6.92E-10
1556	651348.6	4196000	3.49E-10	3.09E-10	6.58E-10	5.78E-11	5.36E-11	1.11E-10	3.18E-11	2.66E-11	5.84E-11	3.60E-10	3.10E-10	6.70E-10
1557	651371.5	4195998	3.39E-10	3.00E-10	6.39E-10	5.62E-11	5.20E-11	1.08E-10	3.09E-11	2.58E-11	5.67E-11	3.50E-10	3.01E-10	6.50E-10
1558	651394.3	4195996	3.31E-10	2.93E-10	6.24E-10	5.49E-11	5.08E-11	1.06E-10	3.02E-11	2.52E-11	5.54E-11	3.42E-10	2.94E-10	6.35E-10
1559	651417.1	4195995	3.27E-10	2.89E-10	6.15E-10	5.41E-11	5.01E-11	1.04E-10	2.98E-11	2.49E-11	5.47E-11	3.37E-10	2.90E-10	6.27E-10
1560	651439.9	4195993	3.26E-10	2.88E-10	6.14E-10	5.40E-11	5.00E-11	1.04E-10	2.97E-11	2.48E-11	5.45E-11	3.36E-10	2.89E-10	6.25E-10
1561	651462.7	4195991	3.29E-10	2.91E-10	6.20E-10	5.45E-11	5.05E-11	1.05E-10	3.00E-11	2.50E-11	5.50E-11	3.39E-10	2.92E-10	6.31E-10
1562	651485.5	4195990	3.35E-10	2.97E-10	6.32E-10	5.56E-11	5.15E-11	1.07E-10	3.06E-11	2.55E-11	5.61E-11	3.46E-10	2.97E-10	6.44E-10
1563	651508.4	4195988	3.45E-10	3.05E-10	6.50E-10	5.72E-11	5.30E-11	1.10E-10	3.15E-11	2.63E-11	5.78E-11	3.56E-10	3.06E-10	6.62E-10
1564	651531.2	4195986	3.57E-10	3.16E-10	6.73E-10	5.92E-11	5.48E-11	1.14E-10	3.26E-11	2.72E-11	5.98E-11	3.68E-10	3.17E-10	6.85E-10
1565	651274.5	4196195	3.06E-10	2.71E-10	5.77E-10	5.08E-11	4.70E-11	9.78E-11	2.80E-11	2.33E-11	5.13E-11	3.16E-10	2.72E-10	5.88E-10
1566	651253.9	4196186	3.17E-10	2.81E-10	5.98E-10	5.26E-11	4.87E-11	1.01E-10	2.90E-11	2.42E-11	5.31E-11	3.28E-10	2.82E-10	6.09E-10
1567	651233.3	4196177	3.27E-10	2.90E-10	6.17E-10	5.43E-11	5.03E-11	1.05E-10	2.99E-11	2.49E-11	5.48E-11	3.38E-10	2.90E-10	6.28E-10
1568	651212.6	4196168	3.36E-10	2.97E-10	6.32E-10	5.56E-11	5.15E-11	1.07E-10	3.06E-11	2.56E-11	5.62E-11	3.46E-10	2.98E-10	6.44E-10
1569	651192	4196159	3.42E-10	3.02E-10	6.44E-10	5.67E-11	5.25E-11	1.09E-10	3.12E-11	2.61E-11	5.73E-11	3.53E-10	3.03E-10	6.56E-10
1570	651171.4	4196150	3.47E-10	3.07E-10	6.54E-10	5.75E-11	5.33E-11	1.11E-10	3.17E-11	2.64E-11	5.81E-11	3.58E-10	3.08E-10	6.66E-10
1571	651150.8	4196141	3.51E-10	3.10E-10	6.61E-10	5.82E-11	5.39E-11	1.12E-10	3.20E-11	2.67E-11	5.88E-11	3.62E-10	3.11E-10	6.74E-10
1572	651130.1	4196132	3.55E-10	3.14E-10	6.68E-10	5.88E-11	5.44E-11	1.13E-10	3.24E-11	2.70E-11	5.94E-11	3.66E-10	3.15E-10	6.81E-10
1573	651109.5	4196123	3.59E-10	3.17E-10	6.76E-10	5.94E-11	5.51E-11	1.15E-10	3.27E-11	2.73E-11	6.00E-11	3.70E-10	3.18E-10	6.88E-10
1574	651088.9	4196114	3.64E-10	3.22E-10	6.86E-10	6.03E-11	5.59E-11	1.16E-10	3.32E-11	2.77E-11	6.09E-11	3.76E-10	3.23E-10	6.98E-10
1575	651047.7	4196096	3.82E-10	3.38E-10	7.20E-10	6.33E-11	5.87E-11	1.22E-10	3.49E-11	2.91E-11	6.40E-11	3.94E-10	3.39E-10	7.33E-10
1576	651027	4196087	3.96E-10	3.50E-10	7.47E-10	6.57E-11	6.08E-11	1.27E-10	3.62E-11	3.02E-11	6.63E-11	4.09E-10	3.51E-10	7.61E-10
1577	651006.4	4196078	4.14E-10	3.67E-10	7.81E-10	6.87E-11	6.36E-11	1.32E-10	3.78E-11	3.16E-11	6.94E-11	4.28E-10	3.68E-10	7.95E-10
1578	650985.8	4196069	4.37E-10	3.86E-10	8.23E-10	7.24E-11	6.70E-11	1.39E-10	3.98E-11	3.33E-11	7.31E-11	4.51E-10	3.87E-10	8.38E-10
1579	650965.2	4196060	4.63E-10	4.09E-10	8.72E-10	7.67E-11	7.11E-11	1.48E-10	4.22E-11	3.53E-11	7.75E-11	4.78E-10	4.11E-10	8.89E-10
1580	650944.6	4196051	4.93E-10	4.36E-10	9.29E-10	8.17E-11	7.57E-11	1.57E-10	4.50E-11	3.76E-11	8.26E-11	5.09E-10	4.37E-10	9.46E-10
1581	650923.9	4196042	5.27E-10	4.66E-10	9.92E-10	8.73E-11	8.08E-11	1.68E-10	4.80E-11	4.01E-11	8.82E-11	5.44E-10	4.67E-10	1.01E-09
1582	650903.3	4196033	5.63E-10	4.98E-10	1.06E-09	9.33E-11	8.64E-11	1.80E-10	5.13E-11	4.29E-11	9.42E-11	5.81E-10	4.99E-10	1.08E-09
1583	650717.7	4195952	8.69E-10	7.69E-10	1.64E-09	1.44E-10	1.33E-10	2.78E-10	7.93E-11	6.62E-11	1.46E-10	8.97E-10	7.71E-10	1.67E-09
1584	650697.1	4195943	8.86E-10	7.84E-10	1.67E-09	1.47E-10	1.36E-10	2.83E-10	8.09E-11	6.75E-11	1.48E-10	9.15E-10	7.86E-10	1.70E-09
1585	650676.5	4195934	8.98E-10	7.94E-10	1.69E-09	1.49E-10	1.38E-10	2.87E-10	8.19E-11	6.84E-11	1.50E-10	9.27E-10	7.97E-10	1.72E-09
1586	650655.9	4195925	9.05E-10	8.00E-10	1.71E-09	1.50E-10	1.39E-10	2.89E-10	8.26E-11	6.90E-11	1.52E-10	9.34E-10	8.03E-10	1.74E-09
1587	650635.2	4195916	9.08E-10	8.03E-10	1.71E-09	1.50E-10	1.39E-10	2.90E-10	8.28E-11	6.92E-11	1.52E-10	9.37E-10	8.05E-10	1.74E-09
1588	650614.6	4195907	9.07E-10	8.02E-10	1.71E-09	1.50E-10	1.39E-10	2.90E-10	8.27E-11	6.91E-11	1.52E-10	9.36E-10	8.04E-10	1.74E-09
1589	650594	4195898	9.03E-10	7.99E-10	1.70E-09	1.50E-10	1.39E-10	2.88E-10	8.24E-11	6.88E-11	1.51E-10	9.32E-10	8.01E-10	1.73E-09
1590	650573.4	4195889	8.97E-10	7.93E-10	1.69E-09	1.49E-10	1.38E-10	2.86E-10	8.18E-11	6.83E-11	1.50E-10	9.25E-10	7.95E-10	1.72E-09
1591	650552.8	4195880	8.88E-10	7.86E-10	1.67E-09	1.47E-10	1.36E-10	2.84E-10	8.11E-11	6.77E-11	1.49E-10	9.17E-10	7.88E-10	1.70E-09
1592	650532.1	4195871	8.78E-10	7.77E-10	1.65E-09	1.46E-10	1.35E-10	2.80E-10	8.01E-11	6.69E-11	1.47E-10	9.06E-10	7.79E-10	1.69E-09
1593	650511.5	4195862	8.67E-10	7.67E-10	1.63E-09	1.44E-10	1.33E-10	2.77E-10	7.91E-11	6.60E-11	1.45E-10	8.95E-10	7.69E-10	1.66E-09
1594	650490.9	4195853	8.54E-10	7.56E-10	1.61E-09	1.42E-10	1.31E-10	2.73E-10	7.80E-11	6.51E-11	1.43E-10	8.82E-10	7.58E-10	1.64E-09
1595	650470.3	4195844	8.41E-10	7.44E-10	1.58E-09	1.39E-10	1.29E-10	2.68E-10	7.67E-11	6.41E-11	1.41E-10	8.68E-10	7.46E-10	1.61E-09
1596	650449.7	4195835	8.27E-10	7.31E-10	1.56E-09	1.37E-10	1.27E-10	2.64E-10	7.54E-11	6.30E-11	1.38E-10	8.53E-10	7.33E-10	1.59E-09
1597	650429	4195826	8.12E-10	7.18E-10	1.53E-09	1.35E-10	1.25E-10	2.59E-10	7.41E-11	6.19E-11	1.36E-10	8.38E-10	7.20E-10	1.56E-09
1598	650408.4	4195817	7.97E-10	7.05E-10	1.50E-09	1.32E-10	1.22E-10	2.54E-10	7.27E-11	6.07E-11	1.33E-10	8.23E-10	7.07E-10	1.53E-09
1599	650367.2	4195799	7.68E-10	6.79E-10	1.45E-09	1.27E-10	1.18E-10	2.45E-10	7.00E-11	5.85E-11	1.29E-10	7.92E-10	6.81E-10	1.47E-09
1600	650346.5	4195790	7.54E-10	6.66E-10	1.42E-09	1.25E-10	1.16E-10	2.41E-10	6.88E-11	5.74E-11	1.26E-10	7.78E-10	6.68E-10	1.45E-09
1601	650264.1	4195754	7.02E-10	6.21E-10	1.32E-09	1.16E-10	1.08E-10	2.24E-10	6.40E-11	5.35E-11	1.17E-10	7.24E-10	6.22E-10	1.35E-09
1602	650243.4	4195745	6.89E-10	6.09E-10	1.30E-09	1.14E-10	1.06E-10	2.20E-10	6.29E-11	5.25E-11	1.15E-10	7.11E-10	6.11E-10	1.32E-09
1603	650222.8	4195736	6.76E-10	5.98E-10	1.27E-09	1.12E-10	1.04E-10	2.16E-10	6.17E-11	5.15E-11	1.13E-10	6.98E-10	6.00E-10	1.30E-09
1604	650202.2	4195727	6.63E-10	5.86E-10	1.25E-09	1.10E-10	1.02E-10	2.12E-10	6.04E-11	5.05E-11	1.11E-10	6.84E-10	5.88E-10	1.27E-09
1605	650177.4	4195696	6.48E-10	5.73E-10	1.22E-09	1.07E-10	9.95E-11	2.07E-10	5.92E-11	4.94E-11	1.09E-10	6.69E-10	5.75E-10	1.24E-09
1606	650173.2	4195674	6.47E-10	5.72E-10	1.22E-09	1.07E-10	9.94E-11	2.07E-10	5.91E-11	4.93E-11	1.08E-10	6.68E-10	5.74E-10	1.24E-09
1607	650164.9	4195630	6.42E-10	5.68E-10	1.21E-09	1.06E-10	9.86E-11	2.05E-10	5.86E-11	4.89E-11	1.07E-10	6.63E-10	5.69E-10	1.23E-09
1608	650156.5	4195586	6.33E-10	5.60E-10	1.19E-09	1.05E-10	9.72E-11	2.02E-10	5.78E-11	4.83E-11	1.06E-10	6.54E-10	5.62E-10	1.22E-09
1609	650148.2	4195542	6.23E-10	5.51E-10	1.17E-09	1.03E-10	9.57E-11	1.99E-10	5.69E-11	4.75E-11	1.04E-10	6.43E-10	5.53E-10	1.20E-09
1610	650139.8	4195497	6.13E-10	5.42E-10	1.16E-09	1.02E-10	9.42E-11	1.96E-10	5.60E-11	4.67E-11	1.03E-10	6.33E-10	5.44E-10	1.18E-09
1611	650135.6	4195475	6.09E-10	5.39E-10	1.15E-09	1.01E-10	9.35E-11	1.94E-10	5.56E-11	4.64E-11	1.02E-10	6.29E-10	5.40E-10	1.17E-09
1612	650127.3	4195431	6.02E-10	5.32E-10	1.13E-09	9.98E-11	9.24E-11	1.92E-10	5.49E-11	4.59E-11	1.01E-10	6.21E-10	5.34E-10	1.16E-09
1613	650118.9	4195387	5.98E-10	5.29E-10	1.13E-09	9.91E-11	9.18E-11	1.91E-10	5.45E-11	4.55E-11	1.00E-10	6.17E-10	5.30E-10	1.15E-09

1614	650110.6	4195343	5.97E-10	5.28E-10	1.13E-09	9.90E-11	9.17E-11	1.91E-10	5.45E-11	4.55E-11	1.00E-10	6.17E-10	5.30E-10	1.15E-09
1615	650102.2	4195298	6.00E-10	5.31E-10	1.13E-09	9.95E-11	9.22E-11	1.92E-10	5.48E-11	4.58E-11	1.01E-10	6.20E-10	5.33E-10	1.15E-09
1616	650098	4195276	6.03E-10	5.33E-10	1.14E-09	9.99E-11	9.26E-11	1.93E-10	5.50E-11	4.59E-11	1.01E-10	6.22E-10	5.35E-10	1.16E-09
1617	650089.7	4195232	6.09E-10	5.39E-10	1.15E-09	1.01E-10	9.35E-11	1.94E-10	5.56E-11	4.64E-11	1.02E-10	6.29E-10	5.40E-10	1.17E-09
1618	650081.3	4195188	6.15E-10	5.44E-10	1.16E-09	1.02E-10	9.44E-11	1.96E-10	5.61E-11	4.68E-11	1.03E-10	6.34E-10	5.45E-10	1.18E-09
1619	650077.1	4195166	6.16E-10	5.45E-10	1.16E-09	1.02E-10	9.46E-11	1.97E-10	5.62E-11	4.69E-11	1.03E-10	6.36E-10	5.46E-10	1.18E-09
1620	650068.8	4195121	6.14E-10	5.43E-10	1.16E-09	1.02E-10	9.43E-11	1.96E-10	5.61E-11	4.68E-11	1.03E-10	6.34E-10	5.45E-10	1.18E-09
1621	650060.4	4195077	6.05E-10	5.35E-10	1.14E-09	1.00E-10	9.29E-11	1.93E-10	5.52E-11	4.61E-11	1.01E-10	6.24E-10	5.37E-10	1.16E-09
1622	650052.1	4195033	5.88E-10	5.20E-10	1.11E-09	9.75E-11	9.03E-11	1.88E-10	5.37E-11	4.48E-11	9.85E-11	6.07E-10	5.22E-10	1.13E-09
1623	650043.7	4194989	5.66E-10	5.01E-10	1.07E-09	9.39E-11	8.70E-11	1.81E-10	5.17E-11	4.32E-11	9.48E-11	5.85E-10	5.02E-10	1.09E-09
1624	650039.5	4194967	5.55E-10	4.91E-10	1.05E-09	9.20E-11	8.52E-11	1.77E-10	5.06E-11	4.23E-11	9.29E-11	5.73E-10	4.92E-10	1.07E-09
1625	650031.2	4194922	5.34E-10	4.72E-10	1.01E-09	8.84E-11	8.19E-11	1.70E-10	4.87E-11	4.07E-11	8.93E-11	5.51E-10	4.73E-10	1.02E-09
1626	650022.8	4194878	5.16E-10	4.56E-10	9.72E-10	8.55E-11	7.92E-11	1.65E-10	4.71E-11	3.93E-11	8.64E-11	5.32E-10	4.58E-10	9.90E-10
1627	650014.5	4194834	5.02E-10	4.44E-10	9.46E-10	8.32E-11	7.71E-11	1.60E-10	4.58E-11	3.83E-11	8.41E-11	5.18E-10	4.45E-10	9.64E-10
1628	650006.1	4194790	4.91E-10	4.34E-10	9.25E-10	8.14E-11	7.54E-11	1.57E-10	4.48E-11	3.74E-11	8.22E-11	5.07E-10	4.36E-10	9.43E-10
1629	650001.9	4194768	4.86E-10	4.30E-10	9.16E-10	8.06E-11	7.46E-11	1.55E-10	4.43E-11	3.70E-11	8.14E-11	5.02E-10	4.31E-10	9.33E-10
1630	649993.6	4194723	4.75E-10	4.20E-10	8.94E-10	7.87E-11	7.29E-11	1.52E-10	4.33E-11	3.62E-11	7.95E-11	4.90E-10	4.21E-10	9.11E-10
1631	649985.2	4194679	4.60E-10	4.07E-10	8.67E-10	7.62E-11	7.06E-11	1.47E-10	4.20E-11	3.50E-11	7.70E-11	4.75E-10	4.08E-10	8.83E-10
1632	649981	4194657	4.51E-10	3.99E-10	8.49E-10	7.47E-11	6.92E-11	1.44E-10	4.11E-11	3.43E-11	7.55E-11	4.65E-10	4.00E-10	8.65E-10
1633	649972.7	4194613	4.29E-10	3.79E-10	8.08E-10	7.11E-11	6.58E-11	1.37E-10	3.91E-11	3.27E-11	7.18E-11	4.43E-10	3.80E-10	8.23E-10
1634	649964.3	4194569	4.04E-10	3.57E-10	7.61E-10	6.70E-11	6.20E-11	1.29E-10	3.69E-11	3.08E-11	6.76E-11	4.17E-10	3.58E-10	7.75E-10
1635	651295.1	4196204	2.94E-10	2.60E-10	5.55E-10	4.88E-11	4.52E-11	9.40E-11	2.69E-11	2.24E-11	4.93E-11	3.04E-10	2.61E-10	5.65E-10
1636	651317.9	4196203	2.84E-10	2.52E-10	5.36E-10	4.71E-11	4.37E-11	9.08E-11	2.60E-11	2.17E-11	4.76E-11	2.94E-10	2.52E-10	5.46E-10
1637	651340.8	4196201	2.75E-10	2.43E-10	5.18E-10	4.56E-11	4.22E-11	8.77E-11	2.51E-11	2.09E-11	4.60E-11	2.84E-10	2.44E-10	5.27E-10
1638	651363.6	4196199	2.66E-10	2.35E-10	5.01E-10	4.41E-11	4.08E-11	8.50E-11	2.43E-11	2.03E-11	4.46E-11	2.75E-10	2.36E-10	5.11E-10
1639	651386.4	4196198	2.59E-10	2.29E-10	4.88E-10	4.29E-11	3.98E-11	8.27E-11	2.36E-11	1.97E-11	4.34E-11	2.67E-10	2.30E-10	4.97E-10
1640	651409.2	4196196	2.54E-10	2.25E-10	4.79E-10	4.21E-11	3.90E-11	8.11E-11	2.32E-11	1.94E-11	4.25E-11	2.62E-10	2.25E-10	4.87E-10
1641	651432	4196194	2.52E-10	2.23E-10	4.74E-10	4.17E-11	3.86E-11	8.03E-11	2.30E-11	1.92E-11	4.21E-11	2.60E-10	2.23E-10	4.83E-10
1642	651454.8	4196192	2.52E-10	2.23E-10	4.75E-10	4.18E-11	3.87E-11	8.05E-11	2.30E-11	1.92E-11	4.22E-11	2.60E-10	2.24E-10	4.84E-10
1643	651477.6	4196191	2.55E-10	2.26E-10	4.81E-10	4.23E-11	3.92E-11	8.15E-11	2.33E-11	1.94E-11	4.27E-11	2.63E-10	2.26E-10	4.90E-10
1644	651500.5	4196189	2.61E-10	2.31E-10	4.91E-10	4.32E-11	4.00E-11	8.33E-11	2.38E-11	1.99E-11	4.37E-11	2.69E-10	2.31E-10	5.01E-10
1645	651523.3	4196187	2.69E-10	2.38E-10	5.06E-10	4.45E-11	4.12E-11	8.58E-11	2.45E-11	2.05E-11	4.50E-11	2.77E-10	2.38E-10	5.15E-10
1646	651546.1	4196186	2.78E-10	2.46E-10	5.24E-10	4.61E-11	4.27E-11	8.88E-11	2.54E-11	2.12E-11	4.66E-11	2.87E-10	2.47E-10	5.34E-10
1647	651289.3	4196395	2.44E-10	2.16E-10	4.60E-10	4.04E-11	3.75E-11	7.79E-11	2.23E-11	1.86E-11	4.09E-11	2.52E-10	2.16E-10	4.68E-10
1648	651268.6	4196386	2.54E-10	2.25E-10	4.79E-10	4.21E-11	3.90E-11	8.11E-11	2.32E-11	1.94E-11	4.25E-11	2.62E-10	2.25E-10	4.87E-10
1649	651247.9	4196377	2.63E-10	2.33E-10	4.96E-10	4.36E-11	4.04E-11	8.41E-11	2.40E-11	2.01E-11	4.41E-11	2.72E-10	2.34E-10	5.05E-10
1650	651227.1	4196368	2.72E-10	2.40E-10	5.12E-10	4.50E-11	4.17E-11	8.67E-11	2.48E-11	2.07E-11	4.55E-11	2.80E-10	2.41E-10	5.21E-10
1651	651206.4	4196359	2.78E-10	2.46E-10	5.25E-10	4.61E-11	4.27E-11	8.89E-11	2.54E-11	2.12E-11	4.66E-11	2.87E-10	2.47E-10	5.34E-10
1652	651185.7	4196350	2.84E-10	2.51E-10	5.35E-10	4.70E-11	4.36E-11	9.06E-11	2.59E-11	2.16E-11	4.75E-11	2.93E-10	2.52E-10	5.45E-10
1653	651165	4196341	2.88E-10	2.54E-10	5.42E-10	4.77E-11	4.42E-11	9.19E-11	2.63E-11	2.19E-11	4.82E-11	2.97E-10	2.55E-10	5.52E-10
1654	651144.3	4196331	2.90E-10	2.56E-10	5.47E-10	4.81E-11	4.45E-11	9.26E-11	2.65E-11	2.21E-11	4.86E-11	2.99E-10	2.57E-10	5.57E-10
1655	651123.5	4196322	2.91E-10	2.58E-10	5.49E-10	4.83E-11	4.47E-11	9.31E-11	2.66E-11	2.22E-11	4.88E-11	3.01E-10	2.59E-10	5.59E-10
1656	651102.8	4196313	2.92E-10	2.59E-10	5.51E-10	4.85E-11	4.49E-11	9.34E-11	2.67E-11	2.23E-11	4.90E-11	3.02E-10	2.59E-10	5.61E-10
1657	651082.1	4196304	2.93E-10	2.59E-10	5.52E-10	4.86E-11	4.50E-11	9.36E-11	2.67E-11	2.23E-11	4.91E-11	3.03E-10	2.60E-10	5.63E-10
1658	651061.4	4196295	2.95E-10	2.61E-10	5.55E-10	4.89E-11	4.52E-11	9.41E-11	2.69E-11	2.25E-11	4.93E-11	3.04E-10	2.61E-10	5.66E-10
1659	651040.6	4196286	2.98E-10	2.63E-10	5.61E-10	4.93E-11	4.57E-11	9.50E-11	2.72E-11	2.27E-11	4.98E-11	3.07E-10	2.64E-10	5.71E-10
1660	651019.9	4196277	3.03E-10	2.68E-10	5.70E-10	5.02E-11	4.65E-11	9.66E-11	2.76E-11	2.31E-11	5.07E-11	3.12E-10	2.68E-10	5.81E-10
1661	650999.2	4196268	3.10E-10	2.74E-10	5.84E-10	5.14E-11	4.76E-11	9.90E-11	2.83E-11	2.36E-11	5.19E-11	3.20E-10	2.75E-10	5.95E-10
1662	650978.5	4196259	3.20E-10	2.83E-10	6.03E-10	5.31E-11	4.92E-11	1.02E-10	2.92E-11	2.44E-11	5.36E-11	3.31E-10	2.84E-10	6.15E-10
1663	650957.7	4196250	3.33E-10	2.95E-10	6.28E-10	5.53E-11	5.12E-11	1.06E-10	3.04E-11	2.54E-11	5.58E-11	3.44E-10	2.96E-10	6.40E-10
1664	650937	4196241	3.50E-10	3.09E-10	6.59E-10	5.80E-11	5.37E-11	1.12E-10	3.19E-11	2.66E-11	5.86E-11	3.61E-10	3.10E-10	6.71E-10
1665	650916.3	4196232	3.69E-10	3.26E-10	6.95E-10	6.11E-11	5.66E-11	1.18E-10	3.37E-11	2.81E-11	6.18E-11	3.81E-10	3.27E-10	7.08E-10
1666	650895.6	4196223	3.91E-10	3.46E-10	7.36E-10	6.48E-11	6.00E-11	1.25E-10	3.57E-11	2.98E-11	6.54E-11	4.03E-10	3.47E-10	7.50E-10
1667	650874.8	4196214	4.15E-10	3.67E-10	7.82E-10	6.88E-11	6.37E-11	1.33E-10	3.79E-11	3.16E-11	6.95E-11	4.28E-10	3.68E-10	7.97E-10
1668	650854.1	4196205	4.41E-10	3.90E-10	8.32E-10	7.32E-11	6.78E-11	1.41E-10	4.03E-11	3.36E-11	7.39E-11	4.56E-10	3.91E-10	8.47E-10
1669	650833.4	4196196	4.69E-10	4.15E-10	8.84E-10	7.77E-11	7.20E-11	1.50E-10	4.28E-11	3.57E-11	7.85E-11	4.84E-10	4.16E-10	9.00E-10
1670	650812.7	4196187	4.98E-10	4.40E-10	9.38E-10	8.25E-11	7.64E-11	1.59E-10	4.54E-11	3.79E-11	8.34E-11	5.14E-10	4.42E-10	9.56E-10
1671	650709.1	4196142	6.42E-10	5.67E-10	1.21E-09	1.06E-10	9.85E-11	2.05E-10	5.85E-11	4.89E-11	1.07E-10	6.62E-10	5.69E-10	1.23E-09
1672	650688.3	4196132	6.66E-10	5.89E-10	1.26E-09	1.10E-10	1.02E-10	2.13E-10	6.08E-11	5.08E-11	1.12E-10	6.88E-10	5.91E-10	1.28E-09
1673	650667.6	4196123	6.88E-10	6.08E-10	1.30E-09	1.14E-10	1.06E-10	2.20E-10	6.27E-11	5.24E-11	1.15E-10	7.10E-10	6.10E-10	1.32E-09
1674	650646.9	4196114	7.06E-10	6.24E-10	1.33E-09	1.17E-10	1.08E-10	2.25E-10	6.44E-11	5.38E-11	1.18E-10	7.28E-10	6.26E-10	1.35E-09
1675	650626.2	4196105	7.20E-10	6.37E-10	1.36E-09	1.19E-10	1.11E-10	2.30E-10	6.57E-11	5.49E-11	1.21E-10	7.44E-10	6.39E-10	1.38E-09
1676	650605.4	4196096	7.31E-10	6.47E-10	1.38E-09	1.21E-10	1.12E-10	2.33E-10	6.67E-11	5.57E-11	1.22E-10	7.55E-10	6.49E-10	1.40E-09
1677	650584.7	4196087	7.39E-10	6.53E-10	1.39E-09	1.22E-10	1.13E-10	2.36E-10	6.74E-11	5.63E-11	1.24E-10	7.62E-10	6.55E-10	1.42E-09
1678	650564	4196078	7.43E-10	6.57E-10	1.40E-09	1.23E-10	1.14E-10	2.37E-10	6.78E-11	5.66E-11	1.24E-10	7.67E-10	6.59E-10	1.43E-09
1679	650543.3	4196069	7.44E-10	6.58E-10	1.40E-09	1.23E-10	1.14E-10	2.38E-10	6.79E-11	5.67E-11	1.25E-10	7.68E-10	6.60E-10	1.43E-09
1680	650522.6	4196060	7.43E-10	6.57E-10	1.40E-09	1.23E-10	1.14E-10	2.37E-10	6.78E-11	5.66E-11	1.24E-10	7.66E-10	6.59E-10	1.43E-09
1681	650501.8	4196051	7.39E-10	6.54E-10	1.39E-09	1.23E-10	1.14E-10	2.36E-10	6.75E-11	5.63E-11	1.24E-10	7.63E-10	6.56E-10	1.42E-09
1682	650481.1	4196042	7.35E-10	6.50E-10	1.38E-09	1.22E-10	1.13E-10	2.35E-10	6.70E-11	5.60E-11	1.23E-10	7.58E-10	6.52E-10	1.41E-09
1683	650460.4	4196033	7.29E-10	6.44E-10	1.37E-09	1.21E-10	1.12E-10	2.33E-10	6.65E-11	5.55E-11	1.22E-10	7.52E-10	6.46E-10	1.40E-09
1684	650439.7	4196024	7.22E-10	6.38E-10	1.36E-09	1.20E-10	1.11E-10	2.30E-10	6.59E-11	5.50E-11	1.21E-10	7.45E-10	6.40E-10	1.39E-09
1685	650418.9	4196015	7.14E-10	6.31E-10	1.35E-09	1.18E-10	1.10E-10	2.28E-10	6.51E-11	5.44E-11	1.20E-10	7.37E-10	6.33E-10	1.37E-09
1686	650398.2	4196006	7.05E-10	6.24E-10	1.33E-09	1.17E-10	1.08E-10	2.25E-10	6.44E-11	5.37E-11	1.18E-10	7.28E-10	6.26E-10	1.35E-09
1687	650377.5	4195997	6.96E-10	6.16E-10	1.31E-09	1.15E-10	1.07E-10	2.22E-10	6.35E-11	5.30E-11	1.17E-10	7.19E-10	6.18E-10	1.34E-09
1688	650356.8	4195988	6.86E-10	6.07E-10	1.29E-09	1.14E-10	1.05E-10	2.19E-10	6.26E-11	5.23E-11	1.15E-10	7.08E-10	6.09E-10	1.32E-09
1689	650336	4195979	6.76E-10	5.98E-10	1.27E-09	1.12E-10	1.04E-10	2.16E-10	6.17E-11	5.15E-11	1.13E-10	6.97E-10	5.99E-10	1.30E-09
1690	650315.3	4195970	6.65E-10	5.88E-10	1.25E-09	1.10E-10	1.02E-10	2.12E-10	6.07E-11	5.07E-11	1.11E-10	6.86E-10	5.90E-10	1.28E-09

1691	650294.6	4195961	6.54E-10	5.78E-10	1.23E-09	1.08E-10	1.00E-10	2.09E-10	5.97E-11	4.98E-11	1.09E-10	6.75E-10	5.80E-10	1.25E-09
1692	650273.9	4195952	6.43E-10	5.68E-10	1.21E-09	1.07E-10	9.87E-11	2.05E-10	5.86E-11	4.90E-11	1.08E-10	6.63E-10	5.70E-10	1.23E-09
1693	650253.1	4195943	6.32E-10	5.59E-10	1.19E-09	1.05E-10	9.70E-11	2.02E-10	5.77E-11	4.82E-11	1.06E-10	6.52E-10	5.61E-10	1.21E-09
1694	650232.4	4195933	6.22E-10	5.50E-10	1.17E-09	1.03E-10	9.55E-11	1.99E-10	5.67E-11	4.74E-11	1.04E-10	6.42E-10	5.52E-10	1.19E-09
1695	650211.7	4195924	6.12E-10	5.41E-10	1.15E-09	1.01E-10	9.40E-11	1.95E-10	5.59E-11	4.66E-11	1.02E-10	6.32E-10	5.43E-10	1.17E-09
1696	650191	4195915	6.03E-10	5.33E-10	1.14E-09	9.99E-11	9.26E-11	1.93E-10	5.50E-11	4.59E-11	1.01E-10	6.22E-10	5.35E-10	1.16E-09
1697	650170.3	4195906	5.94E-10	5.26E-10	1.12E-09	9.85E-11	9.12E-11	1.90E-10	5.42E-11	4.53E-11	9.95E-11	6.13E-10	5.27E-10	1.14E-09
1698	650149.5	4195897	5.86E-10	5.18E-10	1.10E-09	9.71E-11	9.00E-11	1.87E-10	5.35E-11	4.46E-11	9.81E-11	6.05E-10	5.20E-10	1.12E-09
1699	650128.8	4195888	5.78E-10	5.11E-10	1.09E-09	9.57E-11	8.87E-11	1.84E-10	5.27E-11	4.40E-11	9.67E-11	5.96E-10	5.12E-10	1.11E-09
1700	650108.1	4195879	5.69E-10	5.04E-10	1.07E-09	9.44E-11	8.74E-11	1.82E-10	5.19E-11	4.34E-11	9.53E-11	5.88E-10	5.05E-10	1.09E-09
1701	650087.4	4195870	5.61E-10	4.96E-10	1.06E-09	9.30E-11	8.61E-11	1.79E-10	5.12E-11	4.27E-11	9.39E-11	5.79E-10	4.97E-10	1.08E-09
1702	650066.6	4195861	5.52E-10	4.88E-10	1.04E-09	9.15E-11	8.47E-11	1.76E-10	5.04E-11	4.21E-11	9.24E-11	5.70E-10	4.90E-10	1.06E-09
1703	650045.9	4195852	5.43E-10	4.80E-10	1.02E-09	8.99E-11	8.33E-11	1.73E-10	4.95E-11	4.13E-11	9.09E-11	5.60E-10	4.81E-10	1.04E-09
1704	650021	4195821	5.33E-10	4.71E-10	1.00E-09	8.83E-11	8.18E-11	1.70E-10	4.86E-11	4.06E-11	8.92E-11	5.50E-10	4.72E-10	1.02E-09
1705	650016.8	4195799	5.32E-10	4.70E-10	1.00E-09	8.81E-11	8.16E-11	1.70E-10	4.85E-11	4.05E-11	8.90E-11	5.49E-10	4.72E-10	1.02E-09
1706	650008.4	4195754	5.27E-10	4.66E-10	9.94E-10	8.74E-11	8.10E-11	1.68E-10	4.81E-11	4.02E-11	8.83E-11	5.44E-10	4.68E-10	1.01E-09
1707	650000	4195710	5.21E-10	4.60E-10	9.81E-10	8.63E-11	7.99E-11	1.66E-10	4.75E-11	3.97E-11	8.72E-11	5.37E-10	4.62E-10	9.99E-10
1708	649991.6	4195665	5.13E-10	4.53E-10	9.66E-10	8.50E-11	7.87E-11	1.64E-10	4.68E-11	3.91E-11	8.58E-11	5.29E-10	4.55E-10	9.84E-10
1709	649987.4	4195643	5.09E-10	4.50E-10	9.58E-10	8.43E-11	7.81E-11	1.62E-10	4.64E-11	3.87E-11	8.51E-11	5.25E-10	4.51E-10	9.76E-10
1710	649979	4195599	5.01E-10	4.43E-10	9.44E-10	8.31E-11	7.69E-11	1.60E-10	4.57E-11	3.82E-11	8.39E-11	5.17E-10	4.44E-10	9.62E-10
1711	649970.6	4195554	4.95E-10	4.38E-10	9.33E-10	8.21E-11	7.60E-11	1.58E-10	4.52E-11	3.77E-11	8.29E-11	5.11E-10	4.39E-10	9.50E-10
1712	649962.2	4195510	4.91E-10	4.34E-10	9.25E-10	8.14E-11	7.54E-11	1.57E-10	4.48E-11	3.74E-11	8.22E-11	5.07E-10	4.35E-10	9.42E-10
1713	649958	4195488	4.90E-10	4.33E-10	9.23E-10	8.12E-11	7.52E-11	1.56E-10	4.47E-11	3.73E-11	8.20E-11	5.05E-10	4.34E-10	9.40E-10
1714	649949.6	4195443	4.89E-10	4.32E-10	9.21E-10	8.10E-11	7.51E-11	1.56E-10	4.46E-11	3.73E-11	8.19E-11	5.05E-10	4.34E-10	9.38E-10
1715	649941.2	4195399	4.90E-10	4.34E-10	9.24E-10	8.13E-11	7.53E-11	1.57E-10	4.47E-11	3.74E-11	8.21E-11	5.06E-10	4.35E-10	9.41E-10
1716	649932.8	4195354	4.94E-10	4.37E-10	9.31E-10	8.19E-11	7.58E-11	1.58E-10	4.51E-11	3.76E-11	8.27E-11	5.10E-10	4.38E-10	9.48E-10
1717	649924.4	4195310	4.99E-10	4.41E-10	9.40E-10	8.27E-11	7.66E-11	1.59E-10	4.55E-11	3.80E-11	8.35E-11	5.15E-10	4.43E-10	9.57E-10
1718	649920.2	4195288	5.02E-10	4.44E-10	9.45E-10	8.32E-11	7.70E-11	1.60E-10	4.58E-11	3.82E-11	8.40E-11	5.18E-10	4.45E-10	9.63E-10
1719	649911.8	4195243	5.07E-10	4.48E-10	9.55E-10	8.40E-11	7.78E-11	1.62E-10	4.62E-11	3.86E-11	8.48E-11	5.23E-10	4.49E-10	9.72E-10
1720	649903.4	4195199	5.09E-10	4.50E-10	9.59E-10	8.44E-11	7.81E-11	1.63E-10	4.64E-11	3.88E-11	8.52E-11	5.25E-10	4.52E-10	9.77E-10
1721	649895	4195154	5.07E-10	4.48E-10	9.55E-10	8.40E-11	7.78E-11	1.62E-10	4.62E-11	3.86E-11	8.48E-11	5.23E-10	4.49E-10	9.72E-10
1722	649890.8	4195132	5.03E-10	4.45E-10	9.48E-10	8.34E-11	7.73E-11	1.61E-10	4.59E-11	3.83E-11	8.43E-11	5.19E-10	4.46E-10	9.66E-10
1723	649882.4	4195088	4.92E-10	4.35E-10	9.27E-10	8.15E-11	7.55E-11	1.57E-10	4.49E-11	3.75E-11	8.24E-11	5.08E-10	4.36E-10	9.44E-10
1724	649874	4195043	4.76E-10	4.21E-10	8.96E-10	7.89E-11	7.30E-11	1.52E-10	4.34E-11	3.62E-11	7.97E-11	4.91E-10	4.22E-10	9.13E-10
1725	649865.6	4194999	4.57E-10	4.04E-10	8.62E-10	7.58E-11	7.02E-11	1.46E-10	4.17E-11	3.48E-11	7.66E-11	4.72E-10	4.06E-10	8.78E-10
1726	649857.2	4194954	4.40E-10	3.89E-10	8.30E-10	7.30E-11	6.76E-11	1.41E-10	4.02E-11	3.35E-11	7.37E-11	4.54E-10	3.91E-10	8.45E-10
1727	649853	4194932	4.33E-10	3.83E-10	8.16E-10	7.18E-11	6.65E-11	1.38E-10	3.95E-11	3.30E-11	7.25E-11	4.47E-10	3.84E-10	8.31E-10
1728	649844.6	4194888	4.21E-10	3.73E-10	7.94E-10	6.99E-11	6.47E-11	1.35E-10	3.85E-11	3.21E-11	7.06E-11	4.35E-10	3.74E-10	8.09E-10
1729	649836.3	4194843	4.14E-10	3.66E-10	7.80E-10	6.86E-11	6.35E-11	1.32E-10	3.78E-11	3.15E-11	6.93E-11	4.27E-10	3.67E-10	7.94E-10
1730	649827.9	4194799	4.08E-10	3.61E-10	7.69E-10	6.77E-11	6.27E-11	1.30E-10	3.72E-11	3.11E-11	6.84E-11	4.21E-10	3.62E-10	7.83E-10
1731	649823.7	4194777	4.05E-10	3.59E-10	7.64E-10	6.72E-11	6.22E-11	1.29E-10	3.70E-11	3.09E-11	6.79E-11	4.18E-10	3.60E-10	7.78E-10
1732	649815.3	4194732	3.99E-10	3.53E-10	7.52E-10	6.61E-11	6.12E-11	1.27E-10	3.64E-11	3.04E-11	6.68E-11	4.12E-10	3.54E-10	7.66E-10
1733	649806.9	4194688	3.90E-10	3.45E-10	7.34E-10	6.46E-11	5.98E-11	1.24E-10	3.55E-11	2.97E-11	6.52E-11	4.02E-10	3.46E-10	7.48E-10
1734	649798.5	4194643	3.76E-10	3.33E-10	7.09E-10	6.24E-11	5.78E-11	1.20E-10	3.43E-11	2.87E-11	6.30E-11	3.88E-10	3.34E-10	7.22E-10
1735	649794.3	4194621	3.68E-10	3.26E-10	6.94E-10	6.10E-11	5.65E-11	1.18E-10	3.36E-11	2.80E-11	6.16E-11	3.80E-10	3.27E-10	7.06E-10
1736	649785.9	4194577	3.50E-10	3.10E-10	6.60E-10	5.80E-11	5.37E-11	1.12E-10	3.19E-11	2.67E-11	5.86E-11	3.61E-10	3.11E-10	6.72E-10
1737	649777.5	4194532	3.31E-10	2.93E-10	6.23E-10	5.48E-11	5.08E-11	1.06E-10	3.02E-11	2.52E-11	5.54E-11	3.41E-10	2.93E-10	6.35E-10
1738	651310	4196404	2.34E-10	2.07E-10	4.41E-10	3.88E-11	3.59E-11	7.47E-11	2.13E-11	1.78E-11	3.92E-11	2.41E-10	2.07E-10	4.49E-10
1739	651332.9	4196402	2.26E-10	2.00E-10	4.25E-10	3.74E-11	3.46E-11	7.20E-11	2.06E-11	1.72E-11	3.78E-11	2.33E-10	2.00E-10	4.33E-10
1740	651355.7	4196400	2.18E-10	1.93E-10	4.11E-10	3.61E-11	3.35E-11	6.96E-11	1.99E-11	1.66E-11	3.65E-11	2.25E-10	1.93E-10	4.18E-10
1741	651378.5	4196399	2.12E-10	1.87E-10	3.99E-10	3.51E-11	3.25E-11	6.76E-11	1.93E-11	1.61E-11	3.54E-11	2.18E-10	1.88E-10	4.06E-10
1742	651401.3	4196397	2.07E-10	1.83E-10	3.89E-10	3.43E-11	3.17E-11	6.60E-11	1.89E-11	1.57E-11	3.46E-11	2.13E-10	1.83E-10	3.97E-10
1743	651424.1	4196395	2.04E-10	1.80E-10	3.84E-10	3.38E-11	3.13E-11	6.50E-11	1.86E-11	1.55E-11	3.41E-11	2.10E-10	1.81E-10	3.91E-10
1744	651446.9	4196394	2.03E-10	1.79E-10	3.82E-10	3.36E-11	3.11E-11	6.47E-11	1.85E-11	1.55E-11	3.40E-11	2.09E-10	1.80E-10	3.89E-10
1745	651469.8	4196392	2.04E-10	1.80E-10	3.84E-10	3.38E-11	3.13E-11	6.50E-11	1.86E-11	1.55E-11	3.41E-11	2.10E-10	1.81E-10	3.91E-10
1746	651492.6	4196390	2.07E-10	1.83E-10	3.90E-10	3.43E-11	3.18E-11	6.60E-11	1.89E-11	1.58E-11	3.46E-11	2.13E-10	1.83E-10	3.97E-10
1747	651515.4	4196388	2.12E-10	1.87E-10	3.99E-10	3.51E-11	3.25E-11	6.76E-11	1.93E-11	1.61E-11	3.54E-11	2.18E-10	1.88E-10	4.06E-10
1748	651538.2	4196387	2.18E-10	1.93E-10	4.11E-10	3.61E-11	3.34E-11	6.96E-11	1.99E-11	1.66E-11	3.65E-11	2.25E-10	1.93E-10	4.18E-10

			T2		T3L3		T4		T2Revised	
			362	651591.64						
			7.02E-03	6.20E-03	1.16E-03	1.08E-03	6.40E-04	5.35E-04	7.24E-03	6.22E-03
	UTM X	UTM Y	Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2
1	651522.7	4194836	3.97E-03	3.51E-03	6.58E-04	6.09E-04	3.62E-04	3.02E-04	4.10E-03	3.52E-03
2	651528.8	4194869	2.26E-03	1.99E-03	3.74E-04	3.46E-04	2.06E-04	1.72E-04	2.33E-03	2.00E-03
3	651582.8	4194800	3.00E-03	2.65E-03	4.98E-04	4.61E-04	2.74E-04	2.29E-04	3.10E-03	2.66E-03
4	651575.5	4194850	1.97E-03	1.74E-03	3.26E-04	3.02E-04	1.80E-04	1.50E-04	2.03E-03	1.75E-03
5	651602.4	4194816	2.20E-03	1.95E-03	3.65E-04	3.38E-04	2.01E-04	1.68E-04	2.27E-03	1.95E-03
6	651595.1	4194865	1.48E-03	1.31E-03	2.45E-04	2.27E-04	1.35E-04	1.13E-04	1.53E-03	1.31E-03
7	651622.1	4194831	1.68E-03	1.48E-03	2.78E-04	2.58E-04	1.53E-04	1.28E-04	1.73E-03	1.49E-03
8	651607.4	4194931	7.80E-04	6.90E-04	1.29E-04	1.20E-04	7.11E-05	5.94E-05	8.05E-04	6.92E-04
9	651634.4	4194896	9.34E-04	8.26E-04	1.55E-04	1.43E-04	8.52E-05	7.12E-05	9.64E-04	8.29E-04
10	651661.4	4194862	1.07E-03	9.47E-04	1.78E-04	1.64E-04	9.78E-05	8.16E-05	1.11E-03	9.50E-04
11	651588.4	4195022	3.91E-04	3.46E-04	6.48E-05	6.00E-05	3.57E-05	2.98E-05	4.04E-04	3.47E-04
12	651619.7	4194996	4.57E-04	4.04E-04	7.58E-05	7.02E-05	4.17E-05	3.48E-05	4.72E-04	4.05E-04
13	651646.7	4194962	5.54E-04	4.90E-04	9.19E-05	8.51E-05	5.06E-05	4.22E-05	5.72E-04	4.92E-04
14	651673.7	4194927	6.52E-04	5.76E-04	1.08E-04	1.00E-04	5.94E-05	4.96E-05	6.72E-04	5.78E-04
15	651700.6	4194893	7.44E-04	6.58E-04	1.23E-04	1.14E-04	6.79E-05	5.67E-05	7.68E-04	6.60E-04
16	651627.7	4195053	3.04E-04	2.69E-04	5.04E-05	4.67E-05	2.77E-05	2.32E-05	3.14E-04	2.70E-04
17	651592.2	4195072	2.78E-04	2.46E-04	4.61E-05	4.27E-05	2.54E-05	2.12E-05	2.87E-04	2.47E-04
18	651659	4195027	3.51E-04	3.11E-04	5.83E-05	5.40E-05	3.21E-05	2.68E-05	3.63E-04	3.12E-04
19	651686	4194993	4.20E-04	3.71E-04	6.96E-05	6.44E-05	3.83E-05	3.20E-05	4.33E-04	3.72E-04
20	651712.9	4194958	4.86E-04	4.30E-04	8.06E-05	7.46E-05	4.44E-05	3.70E-05	5.02E-04	4.31E-04
21	651739.9	4194924	5.50E-04	4.86E-04	9.11E-05	8.44E-05	5.01E-05	4.19E-05	5.67E-04	4.87E-04
22	651667	4195084	2.45E-04	2.16E-04	4.05E-05	3.75E-05	2.23E-05	1.86E-05	2.52E-04	2.17E-04
23	651631.5	4195103	2.24E-04	1.98E-04	3.71E-05	3.44E-05	2.04E-05	1.71E-05	2.31E-04	1.99E-04
24	651595.9	4195122	2.10E-04	1.85E-04	3.47E-05	3.22E-05	1.91E-05	1.60E-05	2.16E-04	1.86E-04
25	651698.3	4195058	2.81E-04	2.48E-04	4.66E-05	4.31E-05	2.56E-05	2.14E-05	2.90E-04	2.49E-04
26	651725.2	4195023	3.32E-04	2.94E-04	5.50E-05	5.10E-05	3.03E-05	2.53E-05	3.43E-04	2.94E-04
27	651752.2	4194989	3.80E-04	3.36E-04	6.30E-05	5.84E-05	3.47E-05	2.90E-05	3.93E-04	3.37E-04
28	651779.2	4194955	4.25E-04	3.76E-04	7.04E-05	6.52E-05	3.88E-05	3.24E-05	4.38E-04	3.77E-04
29	651744.4	4195147	1.71E-04	1.51E-04	2.83E-05	2.62E-05	1.56E-05	1.30E-05	1.76E-04	1.51E-04
30	651706.5	4195167	1.55E-04	1.37E-04	2.57E-05	2.38E-05	1.41E-05	1.18E-05	1.60E-04	1.37E-04
31	651668.5	4195187	1.44E-04	1.27E-04	2.38E-05	2.21E-05	1.31E-05	1.10E-05	1.48E-04	1.28E-04
32	651630.6	4195207	1.39E-04	1.23E-04	2.30E-05	2.13E-05	1.26E-05	1.06E-05	1.43E-04	1.23E-04
33	651592.7	4195228	1.37E-04	1.21E-04	2.27E-05	2.10E-05	1.25E-05	1.04E-05	1.41E-04	1.21E-04
34	651776.8	4195120	1.95E-04	1.73E-04	3.24E-05	3.00E-05	1.78E-05	1.49E-05	2.01E-04	1.73E-04
35	651803.8	4195085	2.27E-04	2.01E-04	3.77E-05	3.49E-05	2.07E-05	1.73E-05	2.34E-04	2.01E-04
36	651830.8	4195051	2.56E-04	2.26E-04	4.24E-05	3.93E-05	2.33E-05	1.95E-05	2.64E-04	2.27E-04
37	651857.8	4195017	2.80E-04	2.48E-04	4.64E-05	4.30E-05	2.55E-05	2.13E-05	2.89E-04	2.48E-04
38	651823.2	4195209	1.29E-04	1.14E-04	2.14E-05	1.98E-05	1.18E-05	9.83E-06	1.33E-04	1.14E-04
39	651785.8	4195228	1.17E-04	1.03E-04	1.94E-05	1.79E-05	1.07E-05	8.90E-06	1.21E-04	1.04E-04
40	651748.4	4195248	1.07E-04	9.49E-05	1.78E-05	1.65E-05	9.79E-06	8.17E-06	1.11E-04	9.51E-05
41	651710.9	4195268	1.02E-04	8.98E-05	1.68E-05	1.56E-05	9.26E-06	7.73E-06	1.05E-04	9.00E-05
42	651673.5	4195288	9.98E-05	8.83E-05	1.65E-05	1.53E-05	9.11E-06	7.60E-06	1.03E-04	8.85E-05
43	651636.1	4195308	1.01E-04	8.91E-05	1.67E-05	1.55E-05	9.19E-06	7.67E-06	1.04E-04	8.93E-05
44	651598.7	4195328	1.02E-04	9.00E-05	1.69E-05	1.56E-05	9.29E-06	7.76E-06	1.05E-04	9.03E-05
45	651855.4	4195181	1.46E-04	1.29E-04	2.43E-05	2.25E-05	1.34E-05	1.12E-05	1.51E-04	1.30E-04
46	651882.4	4195147	1.68E-04	1.49E-04	2.78E-05	2.58E-05	1.53E-05	1.28E-05	1.73E-04	1.49E-04
47	651909.3	4195113	1.87E-04	1.65E-04	3.10E-05	2.87E-05	1.70E-05	1.42E-05	1.93E-04	1.66E-04
48	651936.3	4195079	2.02E-04	1.78E-04	3.34E-05	3.10E-05	1.84E-05	1.54E-05	2.08E-04	1.79E-04
49	651901.9	4195270	1.03E-04	9.09E-05	1.70E-05	1.58E-05	9.38E-06	7.83E-06	1.06E-04	9.12E-05
50	651864.8	4195290	9.33E-05	8.25E-05	1.55E-05	1.43E-05	8.52E-06	7.11E-06	9.63E-05	8.28E-05
51	651827.7	4195310	8.52E-05	7.53E-05	1.41E-05	1.31E-05	7.77E-06	6.49E-06	8.79E-05	7.55E-05
52	651790.6	4195330	7.92E-05	7.00E-05	1.31E-05	1.22E-05	7.22E-06	6.03E-06	8.17E-05	7.02E-05
53	651753.5	4195349	7.60E-05	6.72E-05	1.26E-05	1.17E-05	6.93E-06	5.79E-06	7.84E-05	6.74E-05
54	651716.4	4195369	7.57E-05	6.69E-05	1.25E-05	1.16E-05	6.91E-06	5.77E-06	7.81E-05	6.71E-05

55	651679.3	4195389	7.74E-05	6.84E-05	1.28E-05	1.19E-05	7.06E-06	5.90E-06	7.99E-05	6.86E-05
56	651642.2	4195409	7.95E-05	7.03E-05	1.32E-05	1.22E-05	7.26E-06	6.06E-06	8.21E-05	7.05E-05
57	651605.2	4195428	8.03E-05	7.10E-05	1.33E-05	1.23E-05	7.33E-06	6.12E-06	8.29E-05	7.12E-05
58	651568.1	4195448	7.86E-05	6.95E-05	1.30E-05	1.21E-05	7.17E-06	5.99E-06	8.11E-05	6.97E-05
59	651531	4195468	7.44E-05	6.58E-05	1.23E-05	1.14E-05	6.79E-06	5.67E-06	7.68E-05	6.60E-05
60	651934	4195243	1.15E-04	1.02E-04	1.91E-05	1.77E-05	1.05E-05	8.79E-06	1.19E-04	1.02E-04
61	651960.9	4195209	1.31E-04	1.16E-04	2.17E-05	2.01E-05	1.19E-05	9.95E-06	1.35E-04	1.16E-04
62	651987.9	4195175	1.44E-04	1.27E-04	2.39E-05	2.21E-05	1.31E-05	1.10E-05	1.49E-04	1.28E-04
63	652014.9	4195141	1.54E-04	1.36E-04	2.55E-05	2.36E-05	1.41E-05	1.17E-05	1.59E-04	1.37E-04
64	651979.9	4195333	8.48E-05	7.50E-05	1.41E-05	1.30E-05	7.74E-06	6.46E-06	8.75E-05	7.52E-05
65	651941.6	4195353	7.72E-05	6.83E-05	1.28E-05	1.19E-05	7.04E-06	5.88E-06	7.97E-05	6.85E-05
66	651903.3	4195373	7.02E-05	6.21E-05	1.16E-05	1.08E-05	6.41E-06	5.35E-06	7.25E-05	6.23E-05
67	651865	4195394	6.45E-05	5.70E-05	1.07E-05	9.90E-06	5.88E-06	4.91E-06	6.66E-05	5.72E-05
68	651826.7	4195414	6.07E-05	5.36E-05	1.01E-05	9.31E-06	5.53E-06	4.62E-06	6.26E-05	5.38E-05
69	651788.5	4195434	5.92E-05	5.24E-05	9.82E-06	9.09E-06	5.40E-06	4.51E-06	6.11E-05	5.25E-05
70	651750.2	4195455	6.02E-05	5.32E-05	9.97E-06	9.24E-06	5.49E-06	4.58E-06	6.21E-05	5.34E-05
71	651711.9	4195475	6.25E-05	5.53E-05	1.04E-05	9.60E-06	5.70E-06	4.76E-06	6.45E-05	5.54E-05
72	651673.6	4195496	6.48E-05	5.73E-05	1.07E-05	9.94E-06	5.91E-06	4.93E-06	6.68E-05	5.74E-05
73	651635.3	4195516	6.57E-05	5.81E-05	1.09E-05	1.01E-05	6.00E-06	5.01E-06	6.78E-05	5.83E-05
74	651597	4195536	6.47E-05	5.72E-05	1.07E-05	9.93E-06	5.90E-06	4.93E-06	6.67E-05	5.74E-05
75	651558.8	4195557	6.15E-05	5.44E-05	1.02E-05	9.45E-06	5.61E-06	4.69E-06	6.35E-05	5.46E-05
76	652012.5	4195305	9.43E-05	8.34E-05	1.56E-05	1.45E-05	8.60E-06	7.18E-06	9.73E-05	8.36E-05
77	652039.5	4195271	1.05E-04	9.31E-05	1.75E-05	1.62E-05	9.61E-06	8.02E-06	1.09E-04	9.34E-05
78	652066.5	4195237	1.15E-04	1.02E-04	1.91E-05	1.77E-05	1.05E-05	8.76E-06	1.19E-04	1.02E-04
79	652093.4	4195202	1.23E-04	1.09E-04	2.03E-05	1.88E-05	1.12E-05	9.35E-06	1.27E-04	1.09E-04
80	652137.3	4195456	6.19E-05	5.48E-05	1.03E-05	9.51E-06	5.65E-06	4.72E-06	6.39E-05	5.49E-05
81	652099.7	4195476	5.75E-05	5.09E-05	9.54E-06	8.83E-06	5.25E-06	4.38E-06	5.94E-05	5.10E-05
82	652062	4195496	5.31E-05	4.69E-05	8.80E-06	8.15E-06	4.84E-06	4.04E-06	5.48E-05	4.71E-05
83	652024.4	4195516	4.87E-05	4.31E-05	8.08E-06	7.48E-06	4.45E-06	3.71E-06	5.03E-05	4.32E-05
84	651986.8	4195536	4.48E-05	3.96E-05	7.43E-06	6.88E-06	4.09E-06	3.41E-06	4.62E-05	3.97E-05
85	651949.1	4195556	4.18E-05	3.69E-05	6.92E-06	6.41E-06	3.81E-06	3.18E-06	4.31E-05	3.70E-05
86	651911.5	4195576	4.01E-05	3.54E-05	6.64E-06	6.15E-06	3.66E-06	3.05E-06	4.13E-05	3.55E-05
87	651873.8	4195596	3.99E-05	3.52E-05	6.61E-06	6.12E-06	3.64E-06	3.04E-06	4.11E-05	3.54E-05
88	651836.2	4195616	4.10E-05	3.63E-05	6.80E-06	6.30E-06	3.74E-06	3.12E-06	4.23E-05	3.64E-05
89	651798.6	4195636	4.30E-05	3.80E-05	7.13E-06	6.60E-06	3.92E-06	3.28E-06	4.44E-05	3.81E-05
90	651685.6	4195697	4.75E-05	4.20E-05	7.87E-06	7.29E-06	4.33E-06	3.62E-06	4.90E-05	4.21E-05
91	651648	4195717	4.70E-05	4.15E-05	7.79E-06	7.21E-06	4.29E-06	3.58E-06	4.85E-05	4.17E-05
92	651572.7	4195757	4.24E-05	3.75E-05	7.04E-06	6.52E-06	3.87E-06	3.23E-06	4.38E-05	3.76E-05
93	651535.1	4195777	3.91E-05	3.46E-05	6.48E-06	6.00E-06	3.57E-06	2.98E-06	4.04E-05	3.47E-05
94	652169.6	4195429	6.73E-05	5.95E-05	1.11E-05	1.03E-05	6.14E-06	5.12E-06	6.94E-05	5.97E-05
95	652196.6	4195395	7.37E-05	6.52E-05	1.22E-05	1.13E-05	6.72E-06	5.61E-06	7.61E-05	6.54E-05
96	652223.6	4195360	7.97E-05	7.05E-05	1.32E-05	1.22E-05	7.27E-06	6.07E-06	8.23E-05	7.07E-05
97	652250.6	4195326	8.48E-05	7.50E-05	1.41E-05	1.30E-05	7.73E-06	6.46E-06	8.75E-05	7.52E-05
98	652294.2	4195580	4.78E-05	4.23E-05	7.93E-06	7.34E-06	4.36E-06	3.64E-06	4.94E-05	4.24E-05
99	652256	4195600	4.52E-05	4.00E-05	7.49E-06	6.94E-06	4.12E-06	3.44E-06	4.66E-05	4.01E-05
100	652217.9	4195621	4.24E-05	3.75E-05	7.03E-06	6.51E-06	3.87E-06	3.23E-06	4.38E-05	3.76E-05
101	652179.7	4195641	3.95E-05	3.49E-05	6.55E-06	6.06E-06	3.60E-06	3.01E-06	4.08E-05	3.50E-05
102	652141.6	4195661	3.65E-05	3.23E-05	6.05E-06	5.60E-06	3.33E-06	2.78E-06	3.77E-05	3.24E-05
103	652103.4	4195682	3.36E-05	2.97E-05	5.57E-06	5.16E-06	3.06E-06	2.56E-06	3.47E-05	2.98E-05
104	652065.3	4195702	3.12E-05	2.75E-05	5.16E-06	4.78E-06	2.84E-06	2.37E-06	3.22E-05	2.76E-05
105	652027.1	4195722	2.96E-05	2.62E-05	4.90E-06	4.54E-06	2.70E-06	2.25E-06	3.05E-05	2.62E-05
106	651989	4195742	2.90E-05	2.56E-05	4.80E-06	4.45E-06	2.64E-06	2.21E-06	2.99E-05	2.57E-05
107	651874.5	4195803	3.23E-05	2.85E-05	5.35E-06	4.95E-06	2.94E-06	2.46E-06	3.33E-05	2.86E-05
108	651836.4	4195824	3.39E-05	3.00E-05	5.61E-06	5.20E-06	3.09E-06	2.58E-06	3.50E-05	3.00E-05
109	651798.2	4195844	3.52E-05	3.12E-05	5.84E-06	5.41E-06	3.22E-06	2.69E-06	3.64E-05	3.13E-05
110	651760.1	4195864	3.62E-05	3.20E-05	6.00E-06	5.56E-06	3.30E-06	2.76E-06	3.74E-05	3.21E-05
111	651721.9	4195885	3.65E-05	3.23E-05	6.05E-06	5.60E-06	3.33E-06	2.78E-06	3.77E-05	3.24E-05
112	651683.8	4195905	3.60E-05	3.18E-05	5.96E-06	5.52E-06	3.28E-06	2.74E-06	3.71E-05	3.19E-05

113	651645.6	4195925	3.47E-05	3.06E-05	5.74E-06	5.32E-06	3.16E-06	2.64E-06	3.58E-05	3.07E-05
114	651569.3	4195966	3.02E-05	2.67E-05	5.00E-06	4.63E-06	2.75E-06	2.30E-06	3.11E-05	2.68E-05
115	652326.8	4195553	5.12E-05	4.53E-05	8.48E-06	7.86E-06	4.67E-06	3.90E-06	5.28E-05	4.54E-05
116	652353.7	4195518	5.53E-05	4.89E-05	9.17E-06	8.50E-06	5.05E-06	4.22E-06	5.71E-05	4.91E-05
117	652380.7	4195484	5.94E-05	5.25E-05	9.85E-06	9.12E-06	5.42E-06	4.53E-06	6.13E-05	5.27E-05
118	652407.7	4195450	6.30E-05	5.57E-05	1.04E-05	9.68E-06	5.75E-06	4.80E-06	6.51E-05	5.59E-05
119	652451.5	4195704	3.85E-05	3.40E-05	6.38E-06	5.91E-06	3.51E-06	2.93E-06	3.97E-05	3.41E-05
120	652413.8	4195724	3.68E-05	3.25E-05	6.10E-06	5.65E-06	3.36E-06	2.80E-06	3.80E-05	3.26E-05
121	652376.1	4195744	3.51E-05	3.10E-05	5.81E-06	5.38E-06	3.20E-06	2.67E-06	3.62E-05	3.11E-05
122	652338.4	4195764	3.33E-05	2.94E-05	5.52E-06	5.11E-06	3.04E-06	2.54E-06	3.44E-05	2.95E-05
123	652300.6	4195784	3.13E-05	2.77E-05	5.19E-06	4.81E-06	2.86E-06	2.39E-06	3.23E-05	2.78E-05
124	652262.9	4195804	2.92E-05	2.58E-05	4.83E-06	4.48E-06	2.66E-06	2.22E-06	3.01E-05	2.59E-05
125	652225.2	4195824	2.70E-05	2.39E-05	4.47E-06	4.14E-06	2.46E-06	2.06E-06	2.78E-05	2.39E-05
126	652187.4	4195844	2.50E-05	2.21E-05	4.14E-06	3.84E-06	2.28E-06	1.90E-06	2.58E-05	2.22E-05
127	652074.3	4195904	2.25E-05	1.99E-05	3.73E-06	3.45E-06	2.05E-06	1.71E-06	2.32E-05	1.99E-05
128	652036.5	4195925	2.30E-05	2.04E-05	3.82E-06	3.53E-06	2.10E-06	1.75E-06	2.38E-05	2.04E-05
129	651998.8	4195945	2.40E-05	2.12E-05	3.98E-06	3.68E-06	2.19E-06	1.83E-06	2.48E-05	2.13E-05
130	651961.1	4195965	2.52E-05	2.23E-05	4.18E-06	3.87E-06	2.30E-06	1.92E-06	2.60E-05	2.24E-05
131	651923.4	4195985	2.63E-05	2.33E-05	4.37E-06	4.04E-06	2.40E-06	2.01E-06	2.72E-05	2.34E-05
132	651885.6	4196005	2.75E-05	2.43E-05	4.55E-06	4.21E-06	2.50E-06	2.09E-06	2.83E-05	2.44E-05
133	651847.9	4196025	2.84E-05	2.51E-05	4.71E-06	4.36E-06	2.59E-06	2.17E-06	2.93E-05	2.52E-05
134	651810.2	4196045	2.91E-05	2.57E-05	4.83E-06	4.47E-06	2.66E-06	2.22E-06	3.01E-05	2.58E-05
135	651772.5	4196065	2.95E-05	2.60E-05	4.88E-06	4.52E-06	2.69E-06	2.24E-06	3.04E-05	2.61E-05
136	651734.7	4196085	2.93E-05	2.59E-05	4.85E-06	4.49E-06	2.67E-06	2.23E-06	3.02E-05	2.60E-05
137	651697	4196105	2.85E-05	2.52E-05	4.72E-06	4.37E-06	2.60E-06	2.17E-06	2.94E-05	2.52E-05
138	651659.3	4196125	2.71E-05	2.40E-05	4.49E-06	4.16E-06	2.47E-06	2.07E-06	2.80E-05	2.40E-05
139	651621.6	4196145	2.53E-05	2.24E-05	4.20E-06	3.89E-06	2.31E-06	1.93E-06	2.62E-05	2.25E-05
140	652483.9	4195676	4.07E-05	3.60E-05	6.75E-06	6.26E-06	3.72E-06	3.10E-06	4.21E-05	3.61E-05
141	652510.9	4195642	4.37E-05	3.86E-05	7.24E-06	6.70E-06	3.98E-06	3.33E-06	4.51E-05	3.87E-05
142	652537.8	4195608	4.66E-05	4.12E-05	7.73E-06	7.16E-06	4.25E-06	3.55E-06	4.81E-05	4.13E-05
143	652564.8	4195574	4.93E-05	4.36E-05	8.18E-06	7.57E-06	4.50E-06	3.76E-06	5.09E-05	4.37E-05
144	652608.5	4195827	3.19E-05	2.82E-05	5.29E-06	4.90E-06	2.91E-06	2.43E-06	3.29E-05	2.83E-05
145	652570.4	4195848	3.07E-05	2.71E-05	5.08E-06	4.71E-06	2.80E-06	2.34E-06	3.17E-05	2.72E-05
146	652532.3	4195868	2.95E-05	2.61E-05	4.89E-06	4.53E-06	2.69E-06	2.25E-06	3.05E-05	2.62E-05
147	652494.2	4195888	2.84E-05	2.51E-05	4.70E-06	4.36E-06	2.59E-06	2.16E-06	2.93E-05	2.52E-05
148	652456.1	4195909	2.71E-05	2.40E-05	4.49E-06	4.16E-06	2.47E-06	2.07E-06	2.80E-05	2.40E-05
149	652418	4195929	2.57E-05	2.27E-05	4.25E-06	3.94E-06	2.34E-06	1.95E-06	2.65E-05	2.28E-05
150	652303.8	4195990	2.07E-05	1.83E-05	3.43E-06	3.17E-06	1.89E-06	1.58E-06	2.13E-05	1.83E-05
151	652265.7	4196010	1.93E-05	1.71E-05	3.20E-06	2.96E-06	1.76E-06	1.47E-06	1.99E-05	1.71E-05
152	652227.6	4196030	1.84E-05	1.63E-05	3.05E-06	2.83E-06	1.68E-06	1.40E-06	1.90E-05	1.63E-05
153	652189.5	4196051	1.81E-05	1.60E-05	3.00E-06	2.78E-06	1.65E-06	1.38E-06	1.87E-05	1.61E-05
154	652151.4	4196071	1.83E-05	1.62E-05	3.03E-06	2.80E-06	1.67E-06	1.39E-06	1.89E-05	1.62E-05
155	652113.3	4196091	1.89E-05	1.67E-05	3.13E-06	2.90E-06	1.72E-06	1.44E-06	1.95E-05	1.68E-05
156	652075.2	4196111	1.98E-05	1.75E-05	3.28E-06	3.04E-06	1.80E-06	1.51E-06	2.04E-05	1.75E-05
157	652037.1	4196132	2.07E-05	1.83E-05	3.43E-06	3.18E-06	1.89E-06	1.58E-06	2.14E-05	1.83E-05
158	651999	4196152	2.16E-05	1.91E-05	3.58E-06	3.31E-06	1.97E-06	1.64E-06	2.23E-05	1.91E-05
159	651961	4196172	2.24E-05	1.98E-05	3.72E-06	3.44E-06	2.05E-06	1.71E-06	2.32E-05	1.99E-05
160	651922.9	4196192	2.32E-05	2.05E-05	3.85E-06	3.56E-06	2.12E-06	1.77E-06	2.40E-05	2.06E-05
161	651884.8	4196213	2.39E-05	2.11E-05	3.96E-06	3.67E-06	2.18E-06	1.82E-06	2.47E-05	2.12E-05
162	651846.7	4196233	2.44E-05	2.16E-05	4.04E-06	3.74E-06	2.22E-06	1.86E-06	2.52E-05	2.16E-05
163	651808.6	4196253	2.46E-05	2.17E-05	4.07E-06	3.77E-06	2.24E-06	1.87E-06	2.54E-05	2.18E-05
164	651770.5	4196274	2.43E-05	2.15E-05	4.03E-06	3.74E-06	2.22E-06	1.85E-06	2.51E-05	2.16E-05
165	651732.4	4196294	2.37E-05	2.09E-05	3.92E-06	3.63E-06	2.16E-06	1.80E-06	2.44E-05	2.10E-05
166	651694.3	4196314	2.26E-05	2.00E-05	3.74E-06	3.47E-06	2.06E-06	1.72E-06	2.33E-05	2.00E-05
167	651656.2	4196334	2.12E-05	1.87E-05	3.51E-06	3.25E-06	1.93E-06	1.61E-06	2.19E-05	1.88E-05
168	651618.2	4196355	1.97E-05	1.74E-05	3.26E-06	3.02E-06	1.80E-06	1.50E-06	2.03E-05	1.75E-05
169	652641	4195800	3.36E-05	2.97E-05	5.56E-06	5.15E-06	3.06E-06	2.56E-06	3.46E-05	2.98E-05
170	652668	4195766	3.57E-05	3.16E-05	5.92E-06	5.48E-06	3.26E-06	2.72E-06	3.69E-05	3.17E-05

171	652695	4195732	3.79E-05	3.36E-05	6.29E-06	5.82E-06	3.46E-06	2.89E-06	3.92E-05	3.37E-05
172	652721.9	4195697	4.00E-05	3.54E-05	6.63E-06	6.14E-06	3.65E-06	3.05E-06	4.13E-05	3.55E-05
173	651593.5	4194769	3.51E-03	3.11E-03	5.82E-04	5.39E-04	3.20E-04	2.68E-04	3.63E-03	3.12E-03
174	651592.9	4194727	4.73E-03	4.18E-03	7.84E-04	7.26E-04	4.31E-04	3.60E-04	4.88E-03	4.19E-03
175	651613.1	4194784	2.59E-03	2.29E-03	4.30E-04	3.98E-04	2.37E-04	1.98E-04	2.68E-03	2.30E-03
176	651618.2	4194748	3.20E-03	2.83E-03	5.30E-04	4.91E-04	2.92E-04	2.44E-04	3.30E-03	2.84E-03
177	651617.6	4194706	4.10E-03	3.62E-03	6.79E-04	6.29E-04	3.74E-04	3.12E-04	4.23E-03	3.63E-03
178	651638.1	4194784	2.12E-03	1.88E-03	3.52E-04	3.26E-04	1.94E-04	1.62E-04	2.19E-03	1.88E-03
179	651643.2	4194747	2.57E-03	2.27E-03	4.25E-04	3.94E-04	2.34E-04	1.96E-04	2.65E-03	2.28E-03
180	651642.6	4194706	3.22E-03	2.85E-03	5.33E-04	4.94E-04	2.94E-04	2.45E-04	3.32E-03	2.85E-03
181	651687.1	4194786	1.49E-03	1.32E-03	2.47E-04	2.29E-04	1.36E-04	1.14E-04	1.54E-03	1.32E-03
182	651674.2	4194824	1.29E-03	1.14E-03	2.13E-04	1.98E-04	1.17E-04	9.81E-05	1.33E-03	1.14E-03
183	651693.2	4194747	1.76E-03	1.55E-03	2.91E-04	2.70E-04	1.60E-04	1.34E-04	1.81E-03	1.56E-03
184	651692.6	4194705	2.12E-03	1.88E-03	3.52E-04	3.26E-04	1.94E-04	1.62E-04	2.19E-03	1.88E-03
185	651737.4	4194785	1.12E-03	9.89E-04	1.85E-04	1.72E-04	1.02E-04	8.52E-05	1.15E-03	9.92E-04
186	651725.1	4194821	1.01E-03	8.89E-04	1.67E-04	1.54E-04	9.17E-05	7.66E-05	1.04E-03	8.92E-04
187	651712.9	4194857	8.79E-04	7.77E-04	1.46E-04	1.35E-04	8.02E-05	6.69E-05	9.07E-04	7.79E-04
188	651743.2	4194746	1.28E-03	1.13E-03	2.11E-04	1.96E-04	1.16E-04	9.71E-05	1.32E-03	1.13E-03
189	651742.6	4194705	1.50E-03	1.32E-03	2.48E-04	2.30E-04	1.37E-04	1.14E-04	1.55E-03	1.33E-03
190	651787.5	4194783	8.68E-04	7.67E-04	1.44E-04	1.33E-04	7.92E-05	6.61E-05	8.96E-04	7.70E-04
191	651775.6	4194818	8.00E-04	7.08E-04	1.33E-04	1.23E-04	7.30E-05	6.10E-05	8.26E-04	7.10E-04
192	651763.7	4194854	7.23E-04	6.40E-04	1.20E-04	1.11E-04	6.60E-05	5.51E-05	7.47E-04	6.42E-04
193	651751.8	4194889	6.38E-04	5.64E-04	1.06E-04	9.79E-05	5.82E-05	4.86E-05	6.58E-04	5.66E-04
194	651793.2	4194745	9.67E-04	8.55E-04	1.60E-04	1.48E-04	8.82E-05	7.37E-05	9.98E-04	8.58E-04
195	651792.6	4194704	1.11E-03	9.83E-04	1.84E-04	1.71E-04	1.01E-04	8.47E-05	1.15E-03	9.86E-04
196	651837.1	4194784	6.90E-04	6.10E-04	1.14E-04	1.06E-04	6.30E-05	5.26E-05	7.12E-04	6.12E-04
197	651824.2	4194822	6.42E-04	5.68E-04	1.06E-04	9.86E-05	5.86E-05	4.89E-05	6.63E-04	5.70E-04
198	651811.3	4194860	5.87E-04	5.19E-04	9.73E-05	9.01E-05	5.36E-05	4.47E-05	6.06E-04	5.21E-04
199	651798.5	4194898	5.24E-04	4.63E-04	8.68E-05	8.04E-05	4.78E-05	3.99E-05	5.41E-04	4.65E-04
200	651843.2	4194744	7.59E-04	6.71E-04	1.26E-04	1.17E-04	6.93E-05	5.78E-05	7.84E-04	6.73E-04
201	651842.6	4194703	8.57E-04	7.58E-04	1.42E-04	1.32E-04	7.82E-05	6.53E-05	8.85E-04	7.60E-04
202	651936.9	4194783	4.70E-04	4.15E-04	7.79E-05	7.21E-05	4.29E-05	3.58E-05	4.85E-04	4.17E-04
203	651923.7	4194822	4.45E-04	3.93E-04	7.37E-05	6.83E-05	4.06E-05	3.39E-05	4.59E-04	3.94E-04
204	651910.5	4194861	4.17E-04	3.69E-04	6.91E-05	6.40E-05	3.80E-05	3.18E-05	4.30E-04	3.70E-04
205	651897.3	4194900	3.85E-04	3.41E-04	6.39E-05	5.92E-05	3.52E-05	2.94E-05	3.98E-04	3.42E-04
206	651884.1	4194939	3.50E-04	3.10E-04	5.81E-05	5.38E-05	3.20E-05	2.67E-05	3.62E-04	3.11E-04
207	651870.9	4194978	3.15E-04	2.78E-04	5.22E-05	4.83E-05	2.87E-05	2.40E-05	3.25E-04	2.79E-04
208	651943.2	4194743	5.05E-04	4.47E-04	8.38E-05	7.76E-05	4.61E-05	3.85E-05	5.22E-04	4.48E-04
209	651942.6	4194702	5.54E-04	4.90E-04	9.18E-05	8.50E-05	5.05E-05	4.22E-05	5.72E-04	4.91E-04
210	652037.2	4194781	3.43E-04	3.03E-04	5.68E-05	5.26E-05	3.13E-05	2.61E-05	3.54E-04	3.04E-04
211	652024.6	4194818	3.29E-04	2.91E-04	5.46E-05	5.05E-05	3.00E-05	2.51E-05	3.40E-04	2.92E-04
212	652011.9	4194855	3.13E-04	2.77E-04	5.20E-05	4.81E-05	2.86E-05	2.39E-05	3.23E-04	2.78E-04
213	651999.3	4194892	2.96E-04	2.62E-04	4.91E-05	4.55E-05	2.70E-05	2.26E-05	3.06E-04	2.63E-04
214	651986.7	4194930	2.78E-04	2.46E-04	4.61E-05	4.27E-05	2.54E-05	2.12E-05	2.87E-04	2.47E-04
215	651974.1	4194967	2.59E-04	2.29E-04	4.30E-05	3.98E-05	2.37E-05	1.98E-05	2.68E-04	2.30E-04
216	651961.5	4195004	2.40E-04	2.12E-04	3.98E-05	3.68E-05	2.19E-05	1.83E-05	2.48E-04	2.13E-04
217	651948.9	4195041	2.21E-04	1.95E-04	3.66E-05	3.39E-05	2.01E-05	1.68E-05	2.28E-04	1.96E-04
218	652043.2	4194741	3.62E-04	3.20E-04	6.00E-05	5.55E-05	3.30E-05	2.76E-05	3.73E-04	3.21E-04
219	652042.6	4194700	3.87E-04	3.43E-04	6.42E-05	5.95E-05	3.53E-05	2.95E-05	4.00E-04	3.44E-04
220	652137	4194780	2.62E-04	2.32E-04	4.34E-05	4.02E-05	2.39E-05	1.99E-05	2.70E-04	2.32E-04
221	652124.2	4194818	2.54E-04	2.25E-04	4.21E-05	3.90E-05	2.32E-05	1.94E-05	2.62E-04	2.25E-04
222	652111.3	4194856	2.44E-04	2.15E-04	4.04E-05	3.74E-05	2.22E-05	1.86E-05	2.52E-04	2.16E-04
223	652098.5	4194894	2.32E-04	2.05E-04	3.84E-05	3.56E-05	2.11E-05	1.77E-05	2.39E-04	2.06E-04
224	652085.6	4194932	2.20E-04	1.94E-04	3.64E-05	3.37E-05	2.00E-05	1.67E-05	2.27E-04	1.95E-04
225	652072.7	4194970	2.08E-04	1.84E-04	3.44E-05	3.19E-05	1.89E-05	1.58E-05	2.14E-04	1.84E-04
226	652059.9	4195008	1.96E-04	1.73E-04	3.25E-05	3.01E-05	1.79E-05	1.49E-05	2.02E-04	1.74E-04
227	652047	4195046	1.84E-04	1.63E-04	3.05E-05	2.83E-05	1.68E-05	1.40E-05	1.90E-04	1.63E-04
228	652034.2	4195084	1.72E-04	1.52E-04	2.86E-05	2.65E-05	1.57E-05	1.31E-05	1.78E-04	1.53E-04

229	652143.1	4194740	2.72E-04	2.41E-04	4.51E-05	4.18E-05	2.48E-05	2.07E-05	2.81E-04	2.42E-04
230	652142.5	4194699	2.87E-04	2.54E-04	4.75E-05	4.40E-05	2.62E-05	2.18E-05	2.96E-04	2.54E-04
231	652236.9	4194778	2.07E-04	1.83E-04	3.43E-05	3.18E-05	1.89E-05	1.58E-05	2.14E-04	1.84E-04
232	652223.9	4194817	2.03E-04	1.79E-04	3.36E-05	3.11E-05	1.85E-05	1.54E-05	2.09E-04	1.80E-04
233	652210.8	4194855	1.96E-04	1.73E-04	3.25E-05	3.01E-05	1.79E-05	1.49E-05	2.02E-04	1.74E-04
234	652197.8	4194894	1.88E-04	1.66E-04	3.11E-05	2.88E-05	1.71E-05	1.43E-05	1.94E-04	1.66E-04
235	652184.7	4194933	1.78E-04	1.58E-04	2.96E-05	2.74E-05	1.63E-05	1.36E-05	1.84E-04	1.58E-04
236	652171.7	4194971	1.70E-04	1.50E-04	2.81E-05	2.60E-05	1.55E-05	1.29E-05	1.75E-04	1.50E-04
237	652158.7	4195010	1.61E-04	1.43E-04	2.68E-05	2.48E-05	1.47E-05	1.23E-05	1.67E-04	1.43E-04
238	652145.6	4195048	1.54E-04	1.36E-04	2.55E-05	2.36E-05	1.41E-05	1.17E-05	1.59E-04	1.37E-04
239	652132.6	4195087	1.47E-04	1.30E-04	2.43E-05	2.25E-05	1.34E-05	1.12E-05	1.51E-04	1.30E-04
240	652119.5	4195125	1.39E-04	1.23E-04	2.31E-05	2.14E-05	1.27E-05	1.06E-05	1.44E-04	1.24E-04
241	652106.5	4195164	1.32E-04	1.16E-04	2.18E-05	2.02E-05	1.20E-05	1.00E-05	1.36E-04	1.17E-04
242	652243.1	4194738	2.13E-04	1.88E-04	3.53E-05	3.27E-05	1.94E-05	1.62E-05	2.20E-04	1.89E-04
243	652242.5	4194697	2.21E-04	1.96E-04	3.67E-05	3.40E-05	2.02E-05	1.69E-05	2.29E-04	1.96E-04
244	652437	4194775	1.40E-04	1.24E-04	2.32E-05	2.15E-05	1.28E-05	1.06E-05	1.44E-04	1.24E-04
245	652424.1	4194813	1.39E-04	1.23E-04	2.30E-05	2.13E-05	1.27E-05	1.06E-05	1.43E-04	1.23E-04
246	652411.3	4194851	1.37E-04	1.21E-04	2.26E-05	2.10E-05	1.25E-05	1.04E-05	1.41E-04	1.21E-04
247	652398.4	4194889	1.33E-04	1.18E-04	2.20E-05	2.04E-05	1.21E-05	1.01E-05	1.37E-04	1.18E-04
248	652385.6	4194927	1.28E-04	1.13E-04	2.12E-05	1.97E-05	1.17E-05	9.77E-06	1.32E-04	1.14E-04
249	652372.7	4194965	1.23E-04	1.08E-04	2.03E-05	1.88E-05	1.12E-05	9.34E-06	1.27E-04	1.09E-04
250	652359.8	4195003	1.17E-04	1.04E-04	1.94E-05	1.80E-05	1.07E-05	8.92E-06	1.21E-04	1.04E-04
251	652347	4195041	1.12E-04	9.92E-05	1.86E-05	1.72E-05	1.02E-05	8.55E-06	1.16E-04	9.95E-05
252	652334.1	4195079	1.08E-04	9.56E-05	1.79E-05	1.66E-05	9.86E-06	8.23E-06	1.12E-04	9.58E-05
253	652321.3	4195117	1.05E-04	9.25E-05	1.73E-05	1.61E-05	9.55E-06	7.97E-06	1.08E-04	9.28E-05
254	652308.4	4195155	1.02E-04	9.00E-05	1.69E-05	1.56E-05	9.28E-06	7.75E-06	1.05E-04	9.02E-05
255	652295.6	4195193	9.90E-05	8.76E-05	1.64E-05	1.52E-05	9.03E-06	7.54E-06	1.02E-04	8.78E-05
256	652282.7	4195231	9.60E-05	8.49E-05	1.59E-05	1.47E-05	8.76E-06	7.31E-06	9.91E-05	8.52E-05
257	652269.9	4195269	9.23E-05	8.16E-05	1.53E-05	1.42E-05	8.42E-06	7.03E-06	9.52E-05	8.18E-05
258	652443.1	4194736	1.42E-04	1.25E-04	2.35E-05	2.18E-05	1.29E-05	1.08E-05	1.46E-04	1.26E-04
259	652442.5	4194694	1.45E-04	1.28E-04	2.40E-05	2.22E-05	1.32E-05	1.10E-05	1.49E-04	1.28E-04
260	652636.8	4194773	1.02E-04	8.98E-05	1.68E-05	1.56E-05	9.27E-06	7.74E-06	1.05E-04	9.01E-05
261	652623.8	4194811	1.02E-04	8.98E-05	1.68E-05	1.56E-05	9.27E-06	7.74E-06	1.05E-04	9.01E-05
262	652610.7	4194850	1.01E-04	8.92E-05	1.67E-05	1.55E-05	9.21E-06	7.69E-06	1.04E-04	8.95E-05
263	652597.6	4194889	9.94E-05	8.79E-05	1.65E-05	1.53E-05	9.07E-06	7.58E-06	1.03E-04	8.82E-05
264	652584.5	4194927	9.71E-05	8.59E-05	1.61E-05	1.49E-05	8.86E-06	7.40E-06	1.00E-04	8.61E-05
265	652571.4	4194966	9.40E-05	8.31E-05	1.56E-05	1.44E-05	8.58E-06	7.16E-06	9.70E-05	8.34E-05
266	652558.3	4195005	9.03E-05	7.99E-05	1.50E-05	1.39E-05	8.24E-06	6.88E-06	9.32E-05	8.01E-05
267	652545.2	4195044	8.65E-05	7.65E-05	1.43E-05	1.33E-05	7.90E-06	6.59E-06	8.93E-05	7.68E-05
268	652532.1	4195082	8.30E-05	7.34E-05	1.38E-05	1.27E-05	7.58E-06	6.33E-06	8.57E-05	7.36E-05
269	652519	4195121	8.01E-05	7.08E-05	1.33E-05	1.23E-05	7.30E-06	6.10E-06	8.26E-05	7.10E-05
270	652505.9	4195160	7.77E-05	6.87E-05	1.29E-05	1.19E-05	7.09E-06	5.92E-06	8.02E-05	6.89E-05
271	652492.8	4195198	7.60E-05	6.72E-05	1.26E-05	1.17E-05	6.93E-06	5.79E-06	7.84E-05	6.74E-05
272	652479.7	4195237	7.48E-05	6.61E-05	1.24E-05	1.15E-05	6.82E-06	5.70E-06	7.72E-05	6.63E-05
273	652466.6	4195276	7.38E-05	6.53E-05	1.22E-05	1.13E-05	6.74E-06	5.63E-06	7.62E-05	6.55E-05
274	652453.5	4195314	7.27E-05	6.43E-05	1.20E-05	1.12E-05	6.63E-06	5.54E-06	7.50E-05	6.45E-05
275	652440.4	4195353	7.10E-05	6.28E-05	1.18E-05	1.09E-05	6.47E-06	5.41E-06	7.32E-05	6.29E-05
276	652427.3	4195392	6.84E-05	6.05E-05	1.13E-05	1.05E-05	6.24E-06	5.21E-06	7.06E-05	6.07E-05
277	652643.1	4194733	1.02E-04	9.03E-05	1.69E-05	1.57E-05	9.31E-06	7.78E-06	1.05E-04	9.05E-05
278	652642.5	4194691	1.03E-04	9.13E-05	1.71E-05	1.59E-05	9.42E-06	7.87E-06	1.07E-04	9.16E-05
279	652836.9	4194769	7.78E-05	6.88E-05	1.29E-05	1.20E-05	7.10E-06	5.93E-06	8.03E-05	6.90E-05
280	652823.9	4194808	7.82E-05	6.92E-05	1.30E-05	1.20E-05	7.14E-06	5.96E-06	8.07E-05	6.94E-05
281	652811	4194846	7.82E-05	6.91E-05	1.30E-05	1.20E-05	7.13E-06	5.96E-06	8.07E-05	6.93E-05
282	652798	4194884	7.76E-05	6.86E-05	1.29E-05	1.19E-05	7.08E-06	5.91E-06	8.01E-05	6.88E-05
283	652785.1	4194923	7.66E-05	6.77E-05	1.27E-05	1.18E-05	6.99E-06	5.83E-06	7.90E-05	6.79E-05
284	652772.1	4194961	7.51E-05	6.64E-05	1.24E-05	1.15E-05	6.85E-06	5.72E-06	7.75E-05	6.66E-05
285	652759.2	4194999	7.31E-05	6.46E-05	1.21E-05	1.12E-05	6.67E-06	5.57E-06	7.54E-05	6.48E-05
286	652746.2	4195037	7.07E-05	6.25E-05	1.17E-05	1.09E-05	6.45E-06	5.39E-06	7.30E-05	6.27E-05

287	652733.2	4195076	6.81E-05	6.02E-05	1.13E-05	1.05E-05	6.22E-06	5.19E-06	7.03E-05	6.04E-05
288	652720.3	4195114	6.55E-05	5.79E-05	1.09E-05	1.01E-05	5.98E-06	4.99E-06	6.76E-05	5.81E-05
289	652707.3	4195152	6.31E-05	5.58E-05	1.05E-05	9.69E-06	5.76E-06	4.81E-06	6.52E-05	5.60E-05
290	652694.4	4195191	6.11E-05	5.41E-05	1.01E-05	9.39E-06	5.58E-06	4.66E-06	6.31E-05	5.42E-05
291	652681.4	4195229	5.96E-05	5.27E-05	9.88E-06	9.15E-06	5.44E-06	4.54E-06	6.15E-05	5.29E-05
292	652668.5	4195267	5.86E-05	5.18E-05	9.71E-06	9.00E-06	5.35E-06	4.47E-06	6.05E-05	5.20E-05
293	652655.5	4195306	5.81E-05	5.14E-05	9.63E-06	8.92E-06	5.30E-06	4.43E-06	6.00E-05	5.15E-05
294	652642.6	4195344	5.79E-05	5.12E-05	9.59E-06	8.88E-06	5.28E-06	4.41E-06	5.97E-05	5.13E-05
295	652629.6	4195382	5.77E-05	5.10E-05	9.56E-06	8.85E-06	5.26E-06	4.39E-06	5.95E-05	5.11E-05
296	652616.6	4195420	5.72E-05	5.05E-05	9.47E-06	8.77E-06	5.21E-06	4.35E-06	5.90E-05	5.07E-05
297	652603.7	4195459	5.61E-05	4.96E-05	9.30E-06	8.61E-06	5.12E-06	4.27E-06	5.79E-05	4.97E-05
298	652590.7	4195497	5.44E-05	4.81E-05	9.02E-06	8.35E-06	4.96E-06	4.14E-06	5.61E-05	4.82E-05
299	652577.8	4195535	5.21E-05	4.61E-05	8.63E-06	8.00E-06	4.75E-06	3.97E-06	5.38E-05	4.62E-05
300	652843.1	4194730	7.78E-05	6.88E-05	1.29E-05	1.19E-05	7.10E-06	5.93E-06	8.03E-05	6.90E-05
301	652842.5	4194688	7.82E-05	6.91E-05	1.30E-05	1.20E-05	7.13E-06	5.96E-06	8.07E-05	6.93E-05
302	653036.8	4194767	6.21E-05	5.49E-05	1.03E-05	9.53E-06	5.66E-06	4.73E-06	6.41E-05	5.50E-05
303	653023.7	4194805	6.26E-05	5.53E-05	1.04E-05	9.60E-06	5.71E-06	4.77E-06	6.46E-05	5.55E-05
304	653010.6	4194844	6.27E-05	5.55E-05	1.04E-05	9.63E-06	5.72E-06	4.78E-06	6.48E-05	5.56E-05
305	652997.4	4194883	6.26E-05	5.53E-05	1.04E-05	9.61E-06	5.71E-06	4.77E-06	6.46E-05	5.55E-05
306	652984.3	4194922	6.21E-05	5.49E-05	1.03E-05	9.53E-06	5.66E-06	4.73E-06	6.41E-05	5.51E-05
307	652971.2	4194961	6.13E-05	5.42E-05	1.02E-05	9.40E-06	5.59E-06	4.67E-06	6.32E-05	5.43E-05
308	652958.1	4194999	6.02E-05	5.32E-05	9.97E-06	9.24E-06	5.49E-06	4.58E-06	6.21E-05	5.34E-05
309	652945	4195038	5.88E-05	5.20E-05	9.74E-06	9.02E-06	5.36E-06	4.48E-06	6.07E-05	5.21E-05
310	652931.8	4195077	5.72E-05	5.05E-05	9.47E-06	8.77E-06	5.21E-06	4.35E-06	5.90E-05	5.07E-05
311	652918.7	4195116	5.53E-05	4.89E-05	9.17E-06	8.49E-06	5.05E-06	4.21E-06	5.71E-05	4.91E-05
312	652905.6	4195155	5.34E-05	4.72E-05	8.85E-06	8.19E-06	4.87E-06	4.07E-06	5.51E-05	4.73E-05
313	652892.5	4195193	5.15E-05	4.55E-05	8.53E-06	7.90E-06	4.70E-06	3.92E-06	5.31E-05	4.56E-05
314	652879.4	4195232	4.97E-05	4.40E-05	8.25E-06	7.64E-06	4.54E-06	3.79E-06	5.13E-05	4.41E-05
315	652866.2	4195271	4.83E-05	4.28E-05	8.01E-06	7.42E-06	4.41E-06	3.68E-06	4.99E-05	4.29E-05
316	652853.1	4195310	4.74E-05	4.19E-05	7.85E-06	7.27E-06	4.32E-06	3.61E-06	4.89E-05	4.20E-05
317	652840	4195348	4.68E-05	4.14E-05	7.76E-06	7.19E-06	4.27E-06	3.57E-06	4.83E-05	4.15E-05
318	652826.9	4195387	4.67E-05	4.13E-05	7.74E-06	7.17E-06	4.26E-06	3.56E-06	4.82E-05	4.14E-05
319	652813.8	4195426	4.69E-05	4.14E-05	7.77E-06	7.19E-06	4.27E-06	3.57E-06	4.84E-05	4.16E-05
320	652800.7	4195465	4.70E-05	4.15E-05	7.79E-06	7.21E-06	4.29E-06	3.58E-06	4.85E-05	4.17E-05
321	652787.5	4195504	4.69E-05	4.15E-05	7.78E-06	7.20E-06	4.28E-06	3.57E-06	4.84E-05	4.16E-05
322	652774.4	4195542	4.64E-05	4.11E-05	7.70E-06	7.13E-06	4.24E-06	3.54E-06	4.79E-05	4.12E-05
323	652761.3	4195581	4.55E-05	4.02E-05	7.54E-06	6.98E-06	4.15E-06	3.47E-06	4.69E-05	4.03E-05
324	652748.2	4195620	4.40E-05	3.90E-05	7.30E-06	6.76E-06	4.02E-06	3.36E-06	4.55E-05	3.91E-05
325	652735.1	4195659	4.22E-05	3.73E-05	6.99E-06	6.48E-06	3.85E-06	3.21E-06	4.35E-05	3.74E-05
326	653043	4194727	6.18E-05	5.46E-05	1.02E-05	9.48E-06	5.64E-06	4.71E-06	6.38E-05	5.48E-05
327	653042.4	4194685	6.18E-05	5.47E-05	1.03E-05	9.49E-06	5.64E-06	4.71E-06	6.38E-05	5.49E-05
328	651592.1	4194686	6.05E-03	5.35E-03	1.00E-03	9.29E-04	5.52E-04	4.61E-04	6.24E-03	5.37E-03
329	651616.6	4194666	4.97E-03	4.39E-03	8.23E-04	7.63E-04	4.53E-04	3.79E-04	5.13E-03	4.41E-03
330	651641.6	4194665	3.84E-03	3.40E-03	6.37E-04	5.90E-04	3.51E-04	2.93E-04	3.97E-03	3.41E-03
331	651691.5	4194664	2.48E-03	2.20E-03	4.12E-04	3.81E-04	2.27E-04	1.89E-04	2.56E-03	2.20E-03
332	651741.5	4194663	1.72E-03	1.52E-03	2.86E-04	2.65E-04	1.57E-04	1.31E-04	1.78E-03	1.53E-03
333	651792	4194681	1.19E-03	1.05E-03	1.98E-04	1.83E-04	1.09E-04	9.08E-05	1.23E-03	1.06E-03
334	651842	4194680	9.12E-04	8.07E-04	1.51E-04	1.40E-04	8.32E-05	6.95E-05	9.42E-04	8.09E-04
335	651942	4194678	5.82E-04	5.14E-04	9.64E-05	8.93E-05	5.31E-05	4.43E-05	6.00E-04	5.16E-04
336	652041.9	4194675	4.03E-04	3.56E-04	6.67E-05	6.18E-05	3.67E-05	3.07E-05	4.16E-04	3.57E-04
337	652141.9	4194672	2.96E-04	2.61E-04	4.90E-05	4.54E-05	2.70E-05	2.25E-05	3.05E-04	2.62E-04
338	652241.9	4194670	2.27E-04	2.01E-04	3.76E-05	3.48E-05	2.07E-05	1.73E-05	2.34E-04	2.01E-04
339	652441.8	4194665	1.47E-04	1.30E-04	2.44E-05	2.26E-05	1.34E-05	1.12E-05	1.52E-04	1.30E-04
340	652641.7	4194660	1.04E-04	9.21E-05	1.73E-05	1.60E-05	9.50E-06	7.93E-06	1.07E-04	9.24E-05
341	652841.7	4194655	7.85E-05	6.94E-05	1.30E-05	1.21E-05	7.16E-06	5.98E-06	8.10E-05	6.96E-05
342	653041.6	4194649	6.19E-05	5.48E-05	1.03E-05	9.51E-06	5.65E-06	4.72E-06	6.39E-05	5.49E-05
343	651691	4194622	2.76E-03	2.44E-03	4.58E-04	4.24E-04	2.52E-04	2.11E-04	2.85E-03	2.45E-03
344	651741	4194621	1.91E-03	1.69E-03	3.16E-04	2.93E-04	1.74E-04	1.45E-04	1.97E-03	1.69E-03

345	651791.3	4194643	1.32E-03	1.17E-03	2.19E-04	2.03E-04	1.20E-04	1.01E-04	1.36E-03	1.17E-03
346	651841.3	4194642	9.97E-04	8.82E-04	1.65E-04	1.53E-04	9.10E-05	7.60E-05	1.03E-03	8.85E-04
347	651841	4194620	1.04E-03	9.21E-04	1.73E-04	1.60E-04	9.50E-05	7.93E-05	1.07E-03	9.23E-04
348	651941.3	4194641	6.22E-04	5.50E-04	1.03E-04	9.55E-05	5.68E-05	4.74E-05	6.42E-04	5.52E-04
349	652041.3	4194639	4.24E-04	3.75E-04	7.02E-05	6.50E-05	3.86E-05	3.23E-05	4.37E-04	3.76E-04
350	652041	4194617	4.36E-04	3.86E-04	7.23E-05	6.70E-05	3.98E-05	3.32E-05	4.50E-04	3.87E-04
351	652141.3	4194638	3.07E-04	2.71E-04	5.09E-05	4.71E-05	2.80E-05	2.34E-05	3.17E-04	2.72E-04
352	652241.3	4194637	2.33E-04	2.06E-04	3.86E-05	3.58E-05	2.13E-05	1.77E-05	2.40E-04	2.07E-04
353	652241	4194615	2.37E-04	2.10E-04	3.93E-05	3.64E-05	2.16E-05	1.81E-05	2.45E-04	2.10E-04
354	652441.2	4194634	1.49E-04	1.32E-04	2.47E-05	2.29E-05	1.36E-05	1.14E-05	1.54E-04	1.32E-04
355	652441	4194612	1.51E-04	1.33E-04	2.50E-05	2.32E-05	1.38E-05	1.15E-05	1.56E-04	1.34E-04
356	652641.2	4194632	1.05E-04	9.28E-05	1.74E-05	1.61E-05	9.57E-06	7.99E-06	1.08E-04	9.30E-05
357	652640.9	4194610	1.06E-04	9.34E-05	1.75E-05	1.62E-05	9.64E-06	8.05E-06	1.09E-04	9.37E-05
358	652841.2	4194629	7.88E-05	6.97E-05	1.31E-05	1.21E-05	7.19E-06	6.00E-06	8.13E-05	6.99E-05
359	652840.9	4194607	7.91E-05	6.99E-05	1.31E-05	1.21E-05	7.22E-06	6.03E-06	8.16E-05	7.01E-05
360	653041.2	4194627	6.20E-05	5.49E-05	1.03E-05	9.52E-06	5.66E-06	4.73E-06	6.40E-05	5.50E-05
361	653040.9	4194605	6.22E-05	5.50E-05	1.03E-05	9.54E-06	5.67E-06	4.74E-06	6.42E-05	5.51E-05
362	651591.6	4194568	7.02E-03	6.20E-03	1.16E-03	1.08E-03	6.40E-04	5.35E-04	7.24E-03	6.22E-03
363	651616.4	4194587	5.60E-03	4.95E-03	9.28E-04	8.60E-04	5.11E-04	4.27E-04	5.78E-03	4.97E-03
364	651641.4	4194587	4.37E-03	3.87E-03	7.24E-04	6.71E-04	3.99E-04	3.33E-04	4.51E-03	3.88E-03
365	651691.4	4194588	2.86E-03	2.53E-03	4.74E-04	4.39E-04	2.61E-04	2.18E-04	2.95E-03	2.53E-03
366	651741.4	4194588	1.99E-03	1.76E-03	3.30E-04	3.05E-04	1.81E-04	1.51E-04	2.05E-03	1.76E-03
367	651791.2	4194608	1.41E-03	1.25E-03	2.34E-04	2.16E-04	1.29E-04	1.07E-04	1.46E-03	1.25E-03
368	651791.6	4194570	1.47E-03	1.30E-03	2.44E-04	2.26E-04	1.34E-04	1.12E-04	1.52E-03	1.31E-03
369	651841.4	4194590	1.09E-03	9.63E-04	1.80E-04	1.67E-04	9.93E-05	8.29E-05	1.12E-03	9.65E-04
370	651941.2	4194609	6.54E-04	5.78E-04	1.08E-04	1.00E-04	5.96E-05	4.98E-05	6.75E-04	5.80E-04
371	651941.6	4194572	6.86E-04	6.07E-04	1.14E-04	1.05E-04	6.26E-05	5.23E-05	7.08E-04	6.09E-04
372	652041.4	4194592	4.50E-04	3.98E-04	7.45E-05	6.90E-05	4.10E-05	3.42E-05	4.64E-04	3.99E-04
373	652141.2	4194611	3.15E-04	2.79E-04	5.23E-05	4.84E-05	2.88E-05	2.40E-05	3.26E-04	2.80E-04
374	652141.6	4194574	3.27E-04	2.90E-04	5.43E-05	5.03E-05	2.99E-05	2.49E-05	3.38E-04	2.90E-04
375	652241.6	4194575	2.45E-04	2.17E-04	4.06E-05	3.76E-05	2.23E-05	1.87E-05	2.53E-04	2.17E-04
376	652441.6	4194578	1.54E-04	1.36E-04	2.54E-05	2.36E-05	1.40E-05	1.17E-05	1.58E-04	1.36E-04
377	652641.6	4194580	1.07E-04	9.42E-05	1.77E-05	1.64E-05	9.72E-06	8.12E-06	1.10E-04	9.45E-05
378	652841.6	4194582	7.94E-05	7.02E-05	1.32E-05	1.22E-05	7.25E-06	6.05E-06	8.20E-05	7.04E-05
379	651604	4194531	5.18E-03	4.58E-03	8.58E-04	7.95E-04	4.72E-04	3.95E-04	5.34E-03	4.59E-03
380	651613.5	4194559	5.43E-03	4.80E-03	9.00E-04	8.33E-04	4.95E-04	4.13E-04	5.60E-03	4.81E-03
381	651624.1	4194517	4.16E-03	3.68E-03	6.89E-04	6.38E-04	3.79E-04	3.17E-04	4.29E-03	3.69E-03
382	651634.6	4194548	4.36E-03	3.85E-03	7.22E-04	6.69E-04	3.98E-04	3.32E-04	4.50E-03	3.86E-03
383	651663.6	4194486	2.87E-03	2.54E-03	4.76E-04	4.41E-04	2.62E-04	2.19E-04	2.96E-03	2.55E-03
384	651674.1	4194517	3.01E-03	2.66E-03	4.99E-04	4.63E-04	2.75E-04	2.30E-04	3.11E-03	2.67E-03
385	651684.6	4194549	2.97E-03	2.63E-03	4.93E-04	4.56E-04	2.71E-04	2.26E-04	3.07E-03	2.64E-03
386	651703.1	4194455	2.12E-03	1.87E-03	3.51E-04	3.25E-04	1.93E-04	1.61E-04	2.19E-03	1.88E-03
387	651713.6	4194487	2.22E-03	1.96E-03	3.67E-04	3.40E-04	2.02E-04	1.69E-04	2.29E-03	1.97E-03
388	651724.1	4194518	2.21E-03	1.96E-03	3.67E-04	3.40E-04	2.02E-04	1.69E-04	2.29E-03	1.96E-03
389	651734.6	4194549	2.12E-03	1.87E-03	3.51E-04	3.25E-04	1.93E-04	1.61E-04	2.18E-03	1.88E-03
390	651742.5	4194425	1.63E-03	1.44E-03	2.70E-04	2.50E-04	1.49E-04	1.24E-04	1.68E-03	1.45E-03
391	651753	4194456	1.70E-03	1.51E-03	2.82E-04	2.61E-04	1.55E-04	1.30E-04	1.76E-03	1.51E-03
392	651763.6	4194487	1.71E-03	1.51E-03	2.84E-04	2.63E-04	1.56E-04	1.30E-04	1.77E-03	1.52E-03
393	651774.1	4194518	1.66E-03	1.47E-03	2.75E-04	2.55E-04	1.51E-04	1.26E-04	1.71E-03	1.47E-03
394	651782	4194394	1.29E-03	1.14E-03	2.14E-04	1.99E-04	1.18E-04	9.86E-05	1.34E-03	1.15E-03
395	651792.5	4194425	1.35E-03	1.19E-03	2.23E-04	2.07E-04	1.23E-04	1.03E-04	1.39E-03	1.20E-03
396	651803	4194456	1.36E-03	1.20E-03	2.26E-04	2.09E-04	1.24E-04	1.04E-04	1.41E-03	1.21E-03
397	651813.6	4194488	1.33E-03	1.18E-03	2.21E-04	2.05E-04	1.22E-04	1.02E-04	1.38E-03	1.18E-03
398	651824.1	4194519	1.27E-03	1.12E-03	2.10E-04	1.95E-04	1.16E-04	9.67E-05	1.31E-03	1.13E-03
399	651834.6	4194550	1.18E-03	1.04E-03	1.96E-04	1.81E-04	1.08E-04	8.99E-05	1.22E-03	1.05E-03
400	651861	4194333	8.73E-04	7.72E-04	1.45E-04	1.34E-04	7.96E-05	6.65E-05	9.01E-04	7.74E-04
401	651871.5	4194364	9.05E-04	8.00E-04	1.50E-04	1.39E-04	8.26E-05	6.90E-05	9.34E-04	8.03E-04
402	651882	4194395	9.18E-04	8.12E-04	1.52E-04	1.41E-04	8.38E-05	6.99E-05	9.47E-04	8.14E-04

403	651892.5	4194426	9.10E-04	8.05E-04	1.51E-04	1.40E-04	8.30E-05	6.93E-05	9.39E-04	8.07E-04
404	651903	4194458	8.82E-04	7.80E-04	1.46E-04	1.35E-04	8.05E-05	6.72E-05	9.10E-04	7.82E-04
405	651913.6	4194489	8.39E-04	7.42E-04	1.39E-04	1.29E-04	7.65E-05	6.39E-05	8.66E-04	7.44E-04
406	651924.1	4194520	7.85E-04	6.94E-04	1.30E-04	1.20E-04	7.16E-05	5.98E-05	8.10E-04	6.96E-04
407	651939.9	4194271	6.28E-04	5.55E-04	1.04E-04	9.64E-05	5.73E-05	4.79E-05	6.48E-04	5.57E-04
408	651950.4	4194302	6.49E-04	5.74E-04	1.08E-04	9.96E-05	5.92E-05	4.94E-05	6.70E-04	5.75E-04
409	651960.9	4194334	6.59E-04	5.83E-04	1.09E-04	1.01E-04	6.01E-05	5.02E-05	6.80E-04	5.85E-04
410	651971.5	4194365	6.58E-04	5.82E-04	1.09E-04	1.01E-04	6.00E-05	5.01E-05	6.79E-04	5.83E-04
411	651982	4194396	6.45E-04	5.70E-04	1.07E-04	9.90E-05	5.88E-05	4.91E-05	6.66E-04	5.72E-04
412	651992.5	4194427	6.22E-04	5.50E-04	1.03E-04	9.55E-05	5.68E-05	4.74E-05	6.42E-04	5.52E-04
413	652003	4194459	5.92E-04	5.24E-04	9.82E-05	9.09E-05	5.40E-05	4.51E-05	6.11E-04	5.25E-04
414	652013.6	4194490	5.57E-04	4.93E-04	9.24E-05	8.55E-05	5.08E-05	4.25E-05	5.75E-04	4.94E-04
415	652024.1	4194521	5.20E-04	4.60E-04	8.62E-05	7.99E-05	4.75E-05	3.96E-05	5.37E-04	4.61E-04
416	652034.6	4194552	4.83E-04	4.27E-04	8.01E-05	7.42E-05	4.41E-05	3.68E-05	4.99E-04	4.29E-04
417	652018.9	4194210	4.73E-04	4.19E-04	7.84E-05	7.27E-05	4.32E-05	3.61E-05	4.88E-04	4.20E-04
418	652029.8	4194242	4.88E-04	4.31E-04	8.09E-05	7.49E-05	4.45E-05	3.72E-05	5.04E-04	4.33E-04
419	652037	4194264	4.94E-04	4.37E-04	8.18E-05	7.58E-05	4.50E-05	3.76E-05	5.10E-04	4.38E-04
420	652047.8	4194296	4.96E-04	4.39E-04	8.23E-05	7.62E-05	4.53E-05	3.78E-05	5.12E-04	4.40E-04
421	652058.6	4194328	4.92E-04	4.35E-04	8.15E-05	7.55E-05	4.49E-05	3.75E-05	5.08E-04	4.36E-04
422	652065.8	4194349	4.85E-04	4.29E-04	8.04E-05	7.45E-05	4.43E-05	3.70E-05	5.01E-04	4.30E-04
423	652073.1	4194371	4.75E-04	4.20E-04	7.88E-05	7.30E-05	4.34E-05	3.62E-05	4.91E-04	4.22E-04
424	652083.9	4194403	4.57E-04	4.04E-04	7.57E-05	7.01E-05	4.17E-05	3.48E-05	4.71E-04	4.05E-04
425	652091.1	4194424	4.42E-04	3.91E-04	7.33E-05	6.79E-05	4.03E-05	3.37E-05	4.56E-04	3.92E-04
426	652101.9	4194456	4.18E-04	3.70E-04	6.93E-05	6.42E-05	3.81E-05	3.18E-05	4.31E-04	3.71E-04
427	652109.1	4194478	4.01E-04	3.55E-04	6.65E-05	6.16E-05	3.66E-05	3.06E-05	4.14E-04	3.56E-04
428	652116.4	4194499	3.84E-04	3.40E-04	6.36E-05	5.89E-05	3.50E-05	2.93E-05	3.96E-04	3.41E-04
429	652127.2	4194531	3.59E-04	3.17E-04	5.95E-05	5.51E-05	3.27E-05	2.73E-05	3.70E-04	3.18E-04
430	652097.9	4194149	3.70E-04	3.27E-04	6.14E-05	5.68E-05	3.38E-05	2.82E-05	3.82E-04	3.28E-04
431	652108.7	4194181	3.80E-04	3.36E-04	6.31E-05	5.84E-05	3.47E-05	2.90E-05	3.93E-04	3.37E-04
432	652119.4	4194213	3.86E-04	3.42E-04	6.40E-05	5.93E-05	3.52E-05	2.94E-05	3.99E-04	3.43E-04
433	652130.2	4194245	3.87E-04	3.43E-04	6.42E-05	5.95E-05	3.54E-05	2.95E-05	4.00E-04	3.44E-04
434	652141	4194277	3.84E-04	3.39E-04	6.36E-05	5.89E-05	3.50E-05	2.92E-05	3.96E-04	3.41E-04
435	652151.8	4194309	3.76E-04	3.33E-04	6.23E-05	5.77E-05	3.43E-05	2.87E-05	3.88E-04	3.34E-04
436	652159	4194330	3.69E-04	3.26E-04	6.11E-05	5.66E-05	3.36E-05	2.81E-05	3.81E-04	3.27E-04
437	652166.2	4194351	3.60E-04	3.19E-04	5.97E-05	5.53E-05	3.29E-05	2.74E-05	3.72E-04	3.20E-04
438	652176.9	4194383	3.46E-04	3.06E-04	5.73E-05	5.31E-05	3.15E-05	2.63E-05	3.57E-04	3.07E-04
439	652187.7	4194415	3.29E-04	2.91E-04	5.45E-05	5.05E-05	3.00E-05	2.51E-05	3.40E-04	2.92E-04
440	652198.5	4194447	3.11E-04	2.75E-04	5.16E-05	4.78E-05	2.84E-05	2.37E-05	3.21E-04	2.76E-04
441	652209.3	4194479	2.93E-04	2.59E-04	4.86E-05	4.50E-05	2.68E-05	2.24E-05	3.03E-04	2.60E-04
442	652220	4194511	2.76E-04	2.44E-04	4.57E-05	4.23E-05	2.52E-05	2.10E-05	2.85E-04	2.45E-04
443	652230.8	4194543	2.60E-04	2.30E-04	4.30E-05	3.99E-05	2.37E-05	1.98E-05	2.68E-04	2.30E-04
444	652255.8	4194026	2.45E-04	2.17E-04	4.06E-05	3.76E-05	2.24E-05	1.87E-05	2.53E-04	2.17E-04
445	652266.5	4194058	2.51E-04	2.22E-04	4.16E-05	3.85E-05	2.29E-05	1.91E-05	2.59E-04	2.23E-04
446	652277.2	4194090	2.55E-04	2.25E-04	4.22E-05	3.91E-05	2.32E-05	1.94E-05	2.63E-04	2.26E-04
447	652287.9	4194121	2.56E-04	2.26E-04	4.25E-05	3.93E-05	2.34E-05	1.95E-05	2.64E-04	2.27E-04
448	652298.6	4194153	2.55E-04	2.26E-04	4.23E-05	3.92E-05	2.33E-05	1.94E-05	2.63E-04	2.26E-04
449	652309.4	4194185	2.52E-04	2.23E-04	4.18E-05	3.87E-05	2.30E-05	1.92E-05	2.60E-04	2.24E-04
450	652320.1	4194217	2.47E-04	2.19E-04	4.10E-05	3.80E-05	2.26E-05	1.89E-05	2.55E-04	2.19E-04
451	652330.8	4194249	2.41E-04	2.13E-04	3.99E-05	3.70E-05	2.20E-05	1.84E-05	2.49E-04	2.14E-04
452	652341.5	4194280	2.33E-04	2.06E-04	3.87E-05	3.58E-05	2.13E-05	1.78E-05	2.41E-04	2.07E-04
453	652352.3	4194312	2.25E-04	1.99E-04	3.73E-05	3.46E-05	2.05E-05	1.72E-05	2.32E-04	2.00E-04
454	652363	4194344	2.16E-04	1.91E-04	3.58E-05	3.32E-05	1.97E-05	1.65E-05	2.23E-04	1.92E-04
455	652370.1	4194365	2.10E-04	1.85E-04	3.48E-05	3.22E-05	1.91E-05	1.60E-05	2.16E-04	1.86E-04
456	652380.8	4194397	2.01E-04	1.77E-04	3.32E-05	3.08E-05	1.83E-05	1.53E-05	2.07E-04	1.78E-04
457	652388	4194418	1.95E-04	1.72E-04	3.22E-05	2.99E-05	1.78E-05	1.48E-05	2.01E-04	1.73E-04
458	652398.7	4194450	1.85E-04	1.64E-04	3.07E-05	2.84E-05	1.69E-05	1.41E-05	1.91E-04	1.64E-04
459	652405.9	4194471	1.79E-04	1.58E-04	2.97E-05	2.75E-05	1.63E-05	1.36E-05	1.85E-04	1.59E-04
460	652416.6	4194503	1.70E-04	1.51E-04	2.83E-05	2.62E-05	1.56E-05	1.30E-05	1.76E-04	1.51E-04

461	652427.3	4194535	1.63E-04	1.44E-04	2.70E-05	2.50E-05	1.48E-05	1.24E-05	1.68E-04	1.44E-04
462	652413.7	4193903	1.75E-04	1.55E-04	2.91E-05	2.69E-05	1.60E-05	1.34E-05	1.81E-04	1.55E-04
463	652424.3	4193935	1.79E-04	1.58E-04	2.97E-05	2.75E-05	1.63E-05	1.36E-05	1.85E-04	1.59E-04
464	652435	4193967	1.81E-04	1.60E-04	3.01E-05	2.79E-05	1.66E-05	1.38E-05	1.87E-04	1.61E-04
465	652445.7	4193998	1.83E-04	1.62E-04	3.03E-05	2.80E-05	1.67E-05	1.39E-05	1.89E-04	1.62E-04
466	652456.4	4194030	1.83E-04	1.61E-04	3.03E-05	2.80E-05	1.67E-05	1.39E-05	1.88E-04	1.62E-04
467	652467.1	4194062	1.82E-04	1.61E-04	3.01E-05	2.79E-05	1.66E-05	1.38E-05	1.87E-04	1.61E-04
468	652477.8	4194093	1.79E-04	1.58E-04	2.97E-05	2.75E-05	1.63E-05	1.37E-05	1.85E-04	1.59E-04
469	652488.4	4194125	1.76E-04	1.56E-04	2.92E-05	2.70E-05	1.61E-05	1.34E-05	1.82E-04	1.56E-04
470	652499.1	4194157	1.72E-04	1.52E-04	2.85E-05	2.64E-05	1.57E-05	1.31E-05	1.78E-04	1.53E-04
471	652509.8	4194189	1.68E-04	1.48E-04	2.78E-05	2.58E-05	1.53E-05	1.28E-05	1.73E-04	1.49E-04
472	652520.5	4194220	1.63E-04	1.44E-04	2.70E-05	2.50E-05	1.49E-05	1.24E-05	1.68E-04	1.45E-04
473	652531.2	4194252	1.58E-04	1.40E-04	2.62E-05	2.42E-05	1.44E-05	1.20E-05	1.63E-04	1.40E-04
474	652541.9	4194284	1.52E-04	1.35E-04	2.53E-05	2.34E-05	1.39E-05	1.16E-05	1.57E-04	1.35E-04
475	652552.5	4194315	1.47E-04	1.30E-04	2.43E-05	2.25E-05	1.34E-05	1.12E-05	1.51E-04	1.30E-04
476	652563.2	4194347	1.41E-04	1.25E-04	2.34E-05	2.16E-05	1.29E-05	1.07E-05	1.45E-04	1.25E-04
477	652570.4	4194368	1.37E-04	1.21E-04	2.27E-05	2.10E-05	1.25E-05	1.04E-05	1.42E-04	1.22E-04
478	652581	4194400	1.32E-04	1.16E-04	2.18E-05	2.02E-05	1.20E-05	1.00E-05	1.36E-04	1.17E-04
479	652591.7	4194432	1.26E-04	1.12E-04	2.09E-05	1.94E-05	1.15E-05	9.61E-06	1.30E-04	1.12E-04
480	652598.8	4194453	1.23E-04	1.09E-04	2.03E-05	1.88E-05	1.12E-05	9.35E-06	1.27E-04	1.09E-04
481	652609.5	4194485	1.18E-04	1.04E-04	1.96E-05	1.81E-05	1.08E-05	8.99E-06	1.22E-04	1.05E-04
482	652620.2	4194516	1.14E-04	1.01E-04	1.88E-05	1.75E-05	1.04E-05	8.66E-06	1.17E-04	1.01E-04
483	652630.9	4194548	1.10E-04	9.72E-05	1.82E-05	1.69E-05	1.00E-05	8.37E-06	1.13E-04	9.75E-05
484	652571.6	4193780	1.33E-04	1.17E-04	2.20E-05	2.04E-05	1.21E-05	1.01E-05	1.37E-04	1.18E-04
485	652582.4	4193813	1.35E-04	1.20E-04	2.24E-05	2.07E-05	1.23E-05	1.03E-05	1.39E-04	1.20E-04
486	652589.6	4193834	1.36E-04	1.21E-04	2.26E-05	2.09E-05	1.24E-05	1.04E-05	1.41E-04	1.21E-04
487	652600.4	4193866	1.38E-04	1.22E-04	2.28E-05	2.11E-05	1.26E-05	1.05E-05	1.42E-04	1.22E-04
488	652611.2	4193898	1.38E-04	1.22E-04	2.29E-05	2.12E-05	1.26E-05	1.05E-05	1.42E-04	1.22E-04
489	652618.4	4193919	1.38E-04	1.22E-04	2.28E-05	2.11E-05	1.26E-05	1.05E-05	1.42E-04	1.22E-04
490	652629.2	4193951	1.37E-04	1.21E-04	2.27E-05	2.10E-05	1.25E-05	1.04E-05	1.41E-04	1.21E-04
491	652640	4193984	1.35E-04	1.20E-04	2.24E-05	2.08E-05	1.23E-05	1.03E-05	1.40E-04	1.20E-04
492	652650.8	4194016	1.33E-04	1.18E-04	2.21E-05	2.05E-05	1.22E-05	1.02E-05	1.38E-04	1.18E-04
493	652658	4194037	1.32E-04	1.17E-04	2.18E-05	2.02E-05	1.20E-05	1.00E-05	1.36E-04	1.17E-04
494	652668.8	4194069	1.29E-04	1.14E-04	2.14E-05	1.98E-05	1.18E-05	9.84E-06	1.33E-04	1.15E-04
495	652679.6	4194101	1.26E-04	1.12E-04	2.09E-05	1.94E-05	1.15E-05	9.63E-06	1.30E-04	1.12E-04
496	652686.8	4194122	1.24E-04	1.10E-04	2.06E-05	1.91E-05	1.13E-05	9.48E-06	1.28E-04	1.10E-04
497	652697.6	4194154	1.21E-04	1.07E-04	2.01E-05	1.86E-05	1.11E-05	9.23E-06	1.25E-04	1.07E-04
498	652708.4	4194187	1.18E-04	1.04E-04	1.95E-05	1.81E-05	1.07E-05	8.97E-06	1.22E-04	1.04E-04
499	652715.6	4194208	1.15E-04	1.02E-04	1.91E-05	1.77E-05	1.05E-05	8.79E-06	1.19E-04	1.02E-04
500	652726.4	4194240	1.12E-04	9.88E-05	1.85E-05	1.72E-05	1.02E-05	8.51E-06	1.15E-04	9.91E-05
501	652737.2	4194272	1.08E-04	9.55E-05	1.79E-05	1.66E-05	9.85E-06	8.22E-06	1.11E-04	9.57E-05
502	652744.4	4194293	1.05E-04	9.32E-05	1.75E-05	1.62E-05	9.62E-06	8.03E-06	1.09E-04	9.35E-05
503	652755.2	4194325	1.02E-04	8.99E-05	1.69E-05	1.56E-05	9.28E-06	7.75E-06	1.05E-04	9.02E-05
504	652762.4	4194347	9.92E-05	8.78E-05	1.64E-05	1.52E-05	9.05E-06	7.56E-06	1.02E-04	8.80E-05
505	652773.2	4194379	9.57E-05	8.47E-05	1.59E-05	1.47E-05	8.74E-06	7.29E-06	9.88E-05	8.49E-05
506	652784	4194411	9.25E-05	8.18E-05	1.53E-05	1.42E-05	8.44E-06	7.04E-06	9.54E-05	8.20E-05
507	652791.2	4194432	9.04E-05	7.99E-05	1.50E-05	1.39E-05	8.25E-06	6.89E-06	9.33E-05	8.02E-05
508	652802	4194464	8.75E-05	7.74E-05	1.45E-05	1.34E-05	7.99E-06	6.67E-06	9.03E-05	7.76E-05
509	652812.8	4194496	8.49E-05	7.51E-05	1.41E-05	1.30E-05	7.75E-06	6.47E-06	8.77E-05	7.53E-05
510	652820	4194518	8.34E-05	7.37E-05	1.38E-05	1.28E-05	7.61E-06	6.35E-06	8.61E-05	7.40E-05
511	652830.8	4194550	8.13E-05	7.19E-05	1.35E-05	1.25E-05	7.41E-06	6.19E-06	8.39E-05	7.21E-05
512	652729.5	4193658	1.05E-04	9.26E-05	1.74E-05	1.61E-05	9.55E-06	7.98E-06	1.08E-04	9.29E-05
513	652740.2	4193690	1.07E-04	9.42E-05	1.77E-05	1.64E-05	9.72E-06	8.12E-06	1.10E-04	9.45E-05
514	652751	4193722	1.08E-04	9.54E-05	1.79E-05	1.66E-05	9.84E-06	8.22E-06	1.11E-04	9.56E-05
515	652758.2	4193743	1.08E-04	9.59E-05	1.80E-05	1.66E-05	9.89E-06	8.26E-06	1.12E-04	9.62E-05
516	652768.9	4193775	1.09E-04	9.62E-05	1.80E-05	1.67E-05	9.93E-06	8.29E-06	1.12E-04	9.65E-05
517	652779.7	4193807	1.09E-04	9.60E-05	1.80E-05	1.67E-05	9.90E-06	8.27E-06	1.12E-04	9.63E-05
518	652790.5	4193839	1.08E-04	9.53E-05	1.79E-05	1.66E-05	9.84E-06	8.21E-06	1.11E-04	9.56E-05

519	652801.2	4193871	1.07E-04	9.43E-05	1.77E-05	1.64E-05	9.73E-06	8.12E-06	1.10E-04	9.46E-05
520	652812	4193903	1.05E-04	9.30E-05	1.74E-05	1.61E-05	9.60E-06	8.01E-06	1.09E-04	9.33E-05
521	652819.2	4193924	1.04E-04	9.21E-05	1.73E-05	1.60E-05	9.50E-06	7.93E-06	1.07E-04	9.23E-05
522	652829.9	4193956	1.02E-04	9.05E-05	1.70E-05	1.57E-05	9.34E-06	7.80E-06	1.06E-04	9.08E-05
523	652837.1	4193977	1.01E-04	8.95E-05	1.68E-05	1.55E-05	9.23E-06	7.71E-06	1.04E-04	8.98E-05
524	652847.9	4194009	9.93E-05	8.78E-05	1.65E-05	1.52E-05	9.06E-06	7.57E-06	1.02E-04	8.81E-05
525	652858.6	4194041	9.74E-05	8.61E-05	1.61E-05	1.49E-05	8.88E-06	7.42E-06	1.01E-04	8.64E-05
526	652869.4	4194073	9.53E-05	8.43E-05	1.58E-05	1.46E-05	8.69E-06	7.26E-06	9.83E-05	8.45E-05
527	652880.1	4194105	9.30E-05	8.23E-05	1.54E-05	1.43E-05	8.49E-06	7.09E-06	9.60E-05	8.25E-05
528	652890.9	4194137	9.06E-05	8.01E-05	1.50E-05	1.39E-05	8.27E-06	6.90E-06	9.35E-05	8.04E-05
529	652898.1	4194158	8.90E-05	7.87E-05	1.47E-05	1.37E-05	8.12E-06	6.78E-06	9.18E-05	7.89E-05
530	652908.8	4194190	8.64E-05	7.64E-05	1.43E-05	1.33E-05	7.89E-06	6.59E-06	8.92E-05	7.67E-05
531	652916	4194211	8.47E-05	7.49E-05	1.40E-05	1.30E-05	7.73E-06	6.45E-06	8.74E-05	7.51E-05
532	652926.8	4194243	8.21E-05	7.26E-05	1.36E-05	1.26E-05	7.49E-06	6.25E-06	8.47E-05	7.28E-05
533	652933.9	4194265	8.04E-05	7.11E-05	1.33E-05	1.23E-05	7.33E-06	6.12E-06	8.29E-05	7.13E-05
534	652944.7	4194297	7.79E-05	6.89E-05	1.29E-05	1.20E-05	7.10E-06	5.93E-06	8.04E-05	6.91E-05
535	652951.9	4194318	7.63E-05	6.74E-05	1.26E-05	1.17E-05	6.96E-06	5.81E-06	7.87E-05	6.76E-05
536	652962.6	4194350	7.40E-05	6.54E-05	1.23E-05	1.14E-05	6.75E-06	5.64E-06	7.63E-05	6.56E-05
537	652973.4	4194382	7.19E-05	6.35E-05	1.19E-05	1.10E-05	6.56E-06	5.47E-06	7.42E-05	6.37E-05
538	652984.2	4194414	6.99E-05	6.18E-05	1.16E-05	1.07E-05	6.38E-06	5.33E-06	7.22E-05	6.20E-05
539	652991.3	4194435	6.87E-05	6.07E-05	1.14E-05	1.05E-05	6.27E-06	5.23E-06	7.09E-05	6.09E-05
540	652998.5	4194456	6.76E-05	5.97E-05	1.12E-05	1.04E-05	6.16E-06	5.15E-06	6.97E-05	5.99E-05
541	653009.3	4194488	6.60E-05	5.84E-05	1.09E-05	1.01E-05	6.02E-06	5.03E-06	6.81E-05	5.85E-05
542	653016.4	4194510	6.50E-05	5.75E-05	1.08E-05	9.98E-06	5.93E-06	4.95E-06	6.71E-05	5.77E-05
543	653023.6	4194531	6.42E-05	5.67E-05	1.06E-05	9.85E-06	5.85E-06	4.89E-06	6.62E-05	5.69E-05
544	653034.4	4194563	6.30E-05	5.57E-05	1.04E-05	9.67E-06	5.74E-06	4.80E-06	6.50E-05	5.58E-05
545	651590.1	4194477	3.69E-03	3.26E-03	6.12E-04	5.66E-04	3.37E-04	2.81E-04	3.81E-03	3.27E-03
546	651607.8	4194492	3.91E-03	3.46E-03	6.48E-04	6.00E-04	3.57E-04	2.98E-04	4.03E-03	3.47E-03
547	651615.3	4194434	2.49E-03	2.20E-03	4.13E-04	3.82E-04	2.27E-04	1.90E-04	2.57E-03	2.21E-03
548	651634.2	4194450	2.67E-03	2.36E-03	4.43E-04	4.10E-04	2.44E-04	2.03E-04	2.76E-03	2.37E-03
549	651639.7	4194390	1.78E-03	1.58E-03	2.96E-04	2.74E-04	1.63E-04	1.36E-04	1.84E-03	1.58E-03
550	651657.3	4194405	1.92E-03	1.69E-03	3.18E-04	2.94E-04	1.75E-04	1.46E-04	1.98E-03	1.70E-03
551	651675	4194421	2.00E-03	1.77E-03	3.32E-04	3.08E-04	1.83E-04	1.53E-04	2.07E-03	1.78E-03
552	651664.7	4194347	1.34E-03	1.19E-03	2.22E-04	2.06E-04	1.22E-04	1.02E-04	1.38E-03	1.19E-03
553	651683.1	4194363	1.44E-03	1.28E-03	2.39E-04	2.22E-04	1.32E-04	1.10E-04	1.49E-03	1.28E-03
554	651701.5	4194379	1.52E-03	1.34E-03	2.52E-04	2.33E-04	1.39E-04	1.16E-04	1.57E-03	1.35E-03
555	651719.8	4194395	1.57E-03	1.38E-03	2.60E-04	2.40E-04	1.43E-04	1.19E-04	1.62E-03	1.39E-03
556	651689.7	4194304	1.04E-03	9.21E-04	1.73E-04	1.60E-04	9.50E-05	7.94E-05	1.08E-03	9.24E-04
557	651708.6	4194320	1.12E-03	9.92E-04	1.86E-04	1.72E-04	1.02E-04	8.55E-05	1.16E-03	9.95E-04
558	651727.5	4194336	1.19E-03	1.05E-03	1.97E-04	1.82E-04	1.08E-04	9.04E-05	1.22E-03	1.05E-03
559	651746.4	4194353	1.23E-03	1.09E-03	2.04E-04	1.89E-04	1.12E-04	9.38E-05	1.27E-03	1.09E-03
560	651765.2	4194369	1.25E-03	1.11E-03	2.08E-04	1.93E-04	1.14E-04	9.56E-05	1.29E-03	1.11E-03
561	651739.1	4194217	6.76E-04	5.98E-04	1.12E-04	1.04E-04	6.17E-05	5.15E-05	6.98E-04	6.00E-04
562	651757.7	4194233	7.24E-04	6.40E-04	1.20E-04	1.11E-04	6.61E-05	5.52E-05	7.48E-04	6.42E-04
563	651776.3	4194249	7.67E-04	6.78E-04	1.27E-04	1.18E-04	6.99E-05	5.84E-05	7.91E-04	6.80E-04
564	651794.8	4194265	8.02E-04	7.09E-04	1.33E-04	1.23E-04	7.31E-05	6.11E-05	8.27E-04	7.11E-04
565	651813.4	4194281	8.28E-04	7.33E-04	1.37E-04	1.27E-04	7.56E-05	6.31E-05	8.55E-04	7.35E-04
566	651831.9	4194297	8.45E-04	7.48E-04	1.40E-04	1.30E-04	7.71E-05	6.44E-05	8.73E-04	7.50E-04
567	651788.9	4194130	4.73E-04	4.18E-04	7.84E-05	7.26E-05	4.32E-05	3.61E-05	4.88E-04	4.20E-04
568	651808.1	4194147	5.05E-04	4.46E-04	8.37E-05	7.75E-05	4.61E-05	3.85E-05	5.21E-04	4.48E-04
569	651827.2	4194163	5.34E-04	4.72E-04	8.84E-05	8.19E-05	4.87E-05	4.07E-05	5.51E-04	4.73E-04
570	651846.4	4194180	5.59E-04	4.94E-04	9.27E-05	8.58E-05	5.10E-05	4.26E-05	5.77E-04	4.96E-04
571	651865.6	4194196	5.81E-04	5.13E-04	9.62E-05	8.91E-05	5.30E-05	4.42E-05	5.99E-04	5.15E-04
572	651884.7	4194213	5.97E-04	5.28E-04	9.90E-05	9.17E-05	5.45E-05	4.55E-05	6.17E-04	5.30E-04
573	651903.9	4194230	6.09E-04	5.38E-04	1.01E-04	9.35E-05	5.56E-05	4.64E-05	6.28E-04	5.40E-04
574	651923.1	4194246	6.15E-04	5.43E-04	1.02E-04	9.43E-05	5.61E-05	4.68E-05	6.34E-04	5.45E-04
575	651838.4	4194043	3.49E-04	3.09E-04	5.78E-05	5.36E-05	3.18E-05	2.66E-05	3.60E-04	3.09E-04
576	651857.3	4194059	3.70E-04	3.27E-04	6.13E-05	5.68E-05	3.37E-05	2.82E-05	3.82E-04	3.28E-04

577	651876.2	4194076	3.89E-04	3.44E-04	6.45E-05	5.98E-05	3.55E-05	2.97E-05	4.02E-04	3.45E-04
578	651895	4194092	4.07E-04	3.60E-04	6.75E-05	6.25E-05	3.72E-05	3.10E-05	4.20E-04	3.61E-04
579	651913.9	4194109	4.23E-04	3.74E-04	7.02E-05	6.50E-05	3.86E-05	3.23E-05	4.37E-04	3.75E-04
580	651932.8	4194125	4.37E-04	3.87E-04	7.25E-05	6.71E-05	3.99E-05	3.33E-05	4.51E-04	3.88E-04
581	651951.7	4194141	4.49E-04	3.97E-04	7.44E-05	6.89E-05	4.09E-05	3.42E-05	4.63E-04	3.98E-04
582	651970.6	4194158	4.57E-04	4.05E-04	7.58E-05	7.02E-05	4.17E-05	3.49E-05	4.72E-04	4.06E-04
583	651989.5	4194174	4.63E-04	4.09E-04	7.67E-05	7.11E-05	4.22E-05	3.53E-05	4.78E-04	4.11E-04
584	651888.1	4193956	2.68E-04	2.37E-04	4.45E-05	4.12E-05	2.45E-05	2.04E-05	2.77E-04	2.38E-04
585	651907.4	4193973	2.83E-04	2.51E-04	4.70E-05	4.35E-05	2.58E-05	2.16E-05	2.92E-04	2.51E-04
586	651926.6	4193990	2.97E-04	2.63E-04	4.93E-05	4.57E-05	2.71E-05	2.27E-05	3.07E-04	2.64E-04
587	651945.9	4194007	3.11E-04	2.75E-04	5.15E-05	4.77E-05	2.83E-05	2.37E-05	3.21E-04	2.75E-04
588	651965.2	4194023	3.23E-04	2.85E-04	5.35E-05	4.95E-05	2.94E-05	2.46E-05	3.33E-04	2.86E-04
589	651984.5	4194040	3.34E-04	2.95E-04	5.53E-05	5.12E-05	3.04E-05	2.54E-05	3.44E-04	2.96E-04
590	652003.8	4194057	3.43E-04	3.03E-04	5.69E-05	5.27E-05	3.13E-05	2.61E-05	3.54E-04	3.04E-04
591	652023.1	4194073	3.51E-04	3.10E-04	5.82E-05	5.39E-05	3.20E-05	2.67E-05	3.62E-04	3.11E-04
592	652042.3	4194090	3.57E-04	3.16E-04	5.92E-05	5.48E-05	3.26E-05	2.72E-05	3.69E-04	3.17E-04
593	652061.6	4194107	3.62E-04	3.20E-04	5.99E-05	5.55E-05	3.30E-05	2.75E-05	3.73E-04	3.21E-04
594	652080.9	4194124	3.64E-04	3.22E-04	6.03E-05	5.59E-05	3.32E-05	2.77E-05	3.76E-04	3.23E-04
595	651987.2	4193783	1.74E-04	1.54E-04	2.88E-05	2.67E-05	1.58E-05	1.32E-05	1.79E-04	1.54E-04
596	652006.6	4193799	1.82E-04	1.61E-04	3.01E-05	2.79E-05	1.66E-05	1.39E-05	1.88E-04	1.61E-04
597	652025.9	4193816	1.90E-04	1.68E-04	3.14E-05	2.91E-05	1.73E-05	1.45E-05	1.96E-04	1.68E-04
598	652045.3	4193833	1.97E-04	1.74E-04	3.27E-05	3.03E-05	1.80E-05	1.50E-05	2.04E-04	1.75E-04
599	652064.6	4193850	2.04E-04	1.81E-04	3.39E-05	3.14E-05	1.86E-05	1.56E-05	2.11E-04	1.81E-04
600	652084	4193867	2.11E-04	1.86E-04	3.49E-05	3.24E-05	1.92E-05	1.61E-05	2.18E-04	1.87E-04
601	652103.3	4193883	2.17E-04	1.92E-04	3.59E-05	3.33E-05	1.98E-05	1.65E-05	2.24E-04	1.92E-04
602	652122.7	4193900	2.22E-04	1.97E-04	3.69E-05	3.41E-05	2.03E-05	1.69E-05	2.29E-04	1.97E-04
603	652142	4193917	2.27E-04	2.01E-04	3.77E-05	3.49E-05	2.07E-05	1.73E-05	2.35E-04	2.02E-04
604	652161.4	4193934	2.32E-04	2.05E-04	3.84E-05	3.56E-05	2.11E-05	1.77E-05	2.39E-04	2.05E-04
605	652180.7	4193950	2.35E-04	2.08E-04	3.90E-05	3.61E-05	2.15E-05	1.79E-05	2.43E-04	2.09E-04
606	652200.1	4193967	2.39E-04	2.11E-04	3.95E-05	3.66E-05	2.18E-05	1.82E-05	2.46E-04	2.12E-04
607	652219.4	4193984	2.41E-04	2.13E-04	3.99E-05	3.70E-05	2.20E-05	1.83E-05	2.48E-04	2.14E-04
608	652238.8	4194001	2.42E-04	2.14E-04	4.01E-05	3.71E-05	2.21E-05	1.84E-05	2.49E-04	2.14E-04
609	652086.2	4193609	1.22E-04	1.08E-04	2.03E-05	1.88E-05	1.12E-05	9.31E-06	1.26E-04	1.08E-04
610	652105.2	4193625	1.27E-04	1.12E-04	2.11E-05	1.95E-05	1.16E-05	9.68E-06	1.31E-04	1.13E-04
611	652124.3	4193642	1.32E-04	1.17E-04	2.19E-05	2.02E-05	1.20E-05	1.00E-05	1.36E-04	1.17E-04
612	652143.3	4193658	1.36E-04	1.21E-04	2.26E-05	2.09E-05	1.24E-05	1.04E-05	1.41E-04	1.21E-04
613	652162.3	4193675	1.41E-04	1.25E-04	2.33E-05	2.16E-05	1.28E-05	1.07E-05	1.45E-04	1.25E-04
614	652181.3	4193691	1.45E-04	1.28E-04	2.40E-05	2.22E-05	1.32E-05	1.10E-05	1.50E-04	1.28E-04
615	652200.3	4193708	1.49E-04	1.32E-04	2.46E-05	2.28E-05	1.36E-05	1.13E-05	1.53E-04	1.32E-04
616	652219.3	4193724	1.52E-04	1.35E-04	2.53E-05	2.34E-05	1.39E-05	1.16E-05	1.57E-04	1.35E-04
617	652238.3	4193741	1.56E-04	1.38E-04	2.58E-05	2.39E-05	1.42E-05	1.19E-05	1.61E-04	1.38E-04
618	652257.4	4193757	1.59E-04	1.40E-04	2.63E-05	2.44E-05	1.45E-05	1.21E-05	1.64E-04	1.41E-04
619	652276.4	4193774	1.62E-04	1.43E-04	2.68E-05	2.48E-05	1.47E-05	1.23E-05	1.67E-04	1.43E-04
620	652295.4	4193790	1.64E-04	1.45E-04	2.72E-05	2.52E-05	1.50E-05	1.25E-05	1.69E-04	1.46E-04
621	652314.4	4193807	1.67E-04	1.47E-04	2.76E-05	2.56E-05	1.52E-05	1.27E-05	1.72E-04	1.48E-04
622	652333.4	4193823	1.69E-04	1.49E-04	2.80E-05	2.59E-05	1.54E-05	1.29E-05	1.74E-04	1.50E-04
623	652352.4	4193840	1.71E-04	1.51E-04	2.83E-05	2.62E-05	1.56E-05	1.30E-05	1.76E-04	1.51E-04
624	652371.4	4193856	1.72E-04	1.52E-04	2.85E-05	2.64E-05	1.57E-05	1.31E-05	1.77E-04	1.52E-04
625	652390.5	4193873	1.73E-04	1.53E-04	2.87E-05	2.65E-05	1.58E-05	1.32E-05	1.78E-04	1.53E-04
626	652185.4	4193435	9.14E-05	8.08E-05	1.52E-05	1.40E-05	8.34E-06	6.97E-06	9.44E-05	8.11E-05
627	652204.5	4193452	9.46E-05	8.37E-05	1.57E-05	1.45E-05	8.63E-06	7.21E-06	9.77E-05	8.39E-05
628	652223.6	4193468	9.78E-05	8.65E-05	1.62E-05	1.50E-05	8.92E-06	7.45E-06	1.01E-04	8.67E-05
629	652242.7	4193485	1.01E-04	8.91E-05	1.67E-05	1.55E-05	9.20E-06	7.68E-06	1.04E-04	8.94E-05
630	652261.8	4193501	1.04E-04	9.17E-05	1.72E-05	1.59E-05	9.46E-06	7.90E-06	1.07E-04	9.20E-05
631	652280.9	4193518	1.07E-04	9.42E-05	1.77E-05	1.64E-05	9.72E-06	8.12E-06	1.10E-04	9.45E-05
632	652300	4193535	1.09E-04	9.66E-05	1.81E-05	1.68E-05	9.97E-06	8.32E-06	1.13E-04	9.69E-05
633	652319.1	4193551	1.12E-04	9.88E-05	1.85E-05	1.72E-05	1.02E-05	8.51E-06	1.15E-04	9.91E-05
634	652338.2	4193568	1.14E-04	1.01E-04	1.89E-05	1.75E-05	1.04E-05	8.69E-06	1.18E-04	1.01E-04

635	652357.3	4193584	1.16E-04	1.03E-04	1.93E-05	1.78E-05	1.06E-05	8.85E-06	1.20E-04	1.03E-04
636	652376.4	4193601	1.18E-04	1.05E-04	1.96E-05	1.81E-05	1.08E-05	9.01E-06	1.22E-04	1.05E-04
637	652395.5	4193617	1.20E-04	1.06E-04	1.99E-05	1.84E-05	1.10E-05	9.15E-06	1.24E-04	1.07E-04
638	652414.6	4193634	1.22E-04	1.08E-04	2.02E-05	1.87E-05	1.11E-05	9.29E-06	1.26E-04	1.08E-04
639	652433.7	4193650	1.24E-04	1.09E-04	2.05E-05	1.90E-05	1.13E-05	9.42E-06	1.28E-04	1.10E-04
640	652452.8	4193667	1.25E-04	1.11E-04	2.08E-05	1.92E-05	1.14E-05	9.54E-06	1.29E-04	1.11E-04
641	652471.9	4193684	1.27E-04	1.12E-04	2.10E-05	1.95E-05	1.16E-05	9.66E-06	1.31E-04	1.12E-04
642	652491	4193700	1.28E-04	1.13E-04	2.12E-05	1.97E-05	1.17E-05	9.76E-06	1.32E-04	1.14E-04
643	652510.1	4193717	1.30E-04	1.15E-04	2.15E-05	1.99E-05	1.18E-05	9.87E-06	1.34E-04	1.15E-04
644	652529.2	4193733	1.30E-04	1.15E-04	2.16E-05	2.00E-05	1.19E-05	9.94E-06	1.35E-04	1.16E-04
645	652548.3	4193750	1.31E-04	1.16E-04	2.17E-05	2.01E-05	1.20E-05	9.99E-06	1.35E-04	1.16E-04
646	652284.5	4193261	7.14E-05	6.31E-05	1.18E-05	1.10E-05	6.51E-06	5.44E-06	7.37E-05	6.33E-05
647	652303.7	4193278	7.36E-05	6.51E-05	1.22E-05	1.13E-05	6.72E-06	5.61E-06	7.60E-05	6.53E-05
648	652322.9	4193295	7.58E-05	6.70E-05	1.26E-05	1.16E-05	6.92E-06	5.78E-06	7.82E-05	6.72E-05
649	652342	4193311	7.80E-05	6.89E-05	1.29E-05	1.20E-05	7.11E-06	5.94E-06	8.05E-05	6.92E-05
650	652361.2	4193328	8.01E-05	7.08E-05	1.33E-05	1.23E-05	7.31E-06	6.10E-06	8.26E-05	7.10E-05
651	652380.4	4193345	8.21E-05	7.26E-05	1.36E-05	1.26E-05	7.49E-06	6.26E-06	8.48E-05	7.28E-05
652	652399.5	4193361	8.40E-05	7.43E-05	1.39E-05	1.29E-05	7.67E-06	6.40E-06	8.67E-05	7.45E-05
653	652418.7	4193378	8.59E-05	7.59E-05	1.42E-05	1.32E-05	7.83E-06	6.54E-06	8.86E-05	7.62E-05
654	652437.9	4193394	8.76E-05	7.74E-05	1.45E-05	1.34E-05	7.99E-06	6.67E-06	9.04E-05	7.77E-05
655	652457	4193411	8.92E-05	7.89E-05	1.48E-05	1.37E-05	8.14E-06	6.80E-06	9.21E-05	7.91E-05
656	652476.2	4193428	9.07E-05	8.02E-05	1.50E-05	1.39E-05	8.28E-06	6.91E-06	9.36E-05	8.05E-05
657	652495.3	4193444	9.21E-05	8.15E-05	1.53E-05	1.41E-05	8.41E-06	7.02E-06	9.51E-05	8.17E-05
658	652514.5	4193461	9.35E-05	8.26E-05	1.55E-05	1.43E-05	8.53E-06	7.12E-06	9.65E-05	8.29E-05
659	652533.7	4193477	9.49E-05	8.39E-05	1.57E-05	1.46E-05	8.65E-06	7.23E-06	9.79E-05	8.41E-05
660	652552.8	4193494	9.61E-05	8.50E-05	1.59E-05	1.48E-05	8.77E-06	7.32E-06	9.92E-05	8.53E-05
661	652572	4193511	9.73E-05	8.60E-05	1.61E-05	1.49E-05	8.88E-06	7.41E-06	1.00E-04	8.63E-05
662	652591.2	4193527	9.84E-05	8.70E-05	1.63E-05	1.51E-05	8.98E-06	7.50E-06	1.02E-04	8.73E-05
663	652610.3	4193544	9.95E-05	8.80E-05	1.65E-05	1.53E-05	9.08E-06	7.58E-06	1.03E-04	8.83E-05
664	652629.5	4193561	1.01E-04	8.89E-05	1.67E-05	1.54E-05	9.17E-06	7.66E-06	1.04E-04	8.91E-05
665	652648.7	4193577	1.01E-04	8.97E-05	1.68E-05	1.56E-05	9.25E-06	7.73E-06	1.05E-04	9.00E-05
666	652667.8	4193594	1.02E-04	9.04E-05	1.69E-05	1.57E-05	9.33E-06	7.79E-06	1.06E-04	9.07E-05
667	652687	4193610	1.03E-04	9.10E-05	1.71E-05	1.58E-05	9.39E-06	7.84E-06	1.06E-04	9.13E-05
668	652706.2	4193627	1.03E-04	9.15E-05	1.71E-05	1.59E-05	9.44E-06	7.88E-06	1.07E-04	9.17E-05
669	651540.5	4194508	5.67E-03	5.01E-03	9.39E-04	8.70E-04	5.17E-04	4.32E-04	5.85E-03	5.03E-03
670	651508.8	4194504	5.31E-03	4.69E-03	8.80E-04	8.15E-04	4.84E-04	4.04E-04	5.48E-03	4.71E-03
671	651547	4194484	4.25E-03	3.76E-03	7.05E-04	6.53E-04	3.88E-04	3.24E-04	4.39E-03	3.77E-03
672	651509.6	4194479	3.81E-03	3.37E-03	6.32E-04	5.85E-04	3.48E-04	2.91E-04	3.94E-03	3.38E-03
673	651545.9	4194459	3.22E-03	2.85E-03	5.33E-04	4.94E-04	2.94E-04	2.45E-04	3.32E-03	2.85E-03
674	651510.3	4194454	2.83E-03	2.51E-03	4.70E-04	4.35E-04	2.59E-04	2.16E-04	2.93E-03	2.51E-03
675	651549.4	4194409	1.99E-03	1.76E-03	3.30E-04	3.05E-04	1.82E-04	1.52E-04	2.05E-03	1.76E-03
676	651511.9	4194404	1.68E-03	1.49E-03	2.79E-04	2.58E-04	1.53E-04	1.28E-04	1.73E-03	1.49E-03
677	651552.2	4194360	1.30E-03	1.15E-03	2.16E-04	2.00E-04	1.19E-04	9.92E-05	1.34E-03	1.15E-03
678	651589.3	4194370	1.53E-03	1.35E-03	2.54E-04	2.35E-04	1.40E-04	1.17E-04	1.58E-03	1.36E-03
679	651513.5	4194354	1.07E-03	9.49E-04	1.78E-04	1.65E-04	9.79E-05	8.17E-05	1.11E-03	9.52E-04
680	651554.5	4194310	8.92E-04	7.89E-04	1.48E-04	1.37E-04	8.14E-05	6.80E-05	9.21E-04	7.91E-04
681	651593.2	4194321	1.07E-03	9.47E-04	1.78E-04	1.64E-04	9.77E-05	8.16E-05	1.11E-03	9.50E-04
682	651631.8	4194332	1.22E-03	1.08E-03	2.02E-04	1.87E-04	1.11E-04	9.27E-05	1.26E-03	1.08E-03
683	651515.1	4194304	7.27E-04	6.43E-04	1.20E-04	1.12E-04	6.63E-05	5.54E-05	7.50E-04	6.45E-04
684	651554.2	4194260	6.28E-04	5.55E-04	1.04E-04	9.63E-05	5.73E-05	4.78E-05	6.48E-04	5.57E-04
685	651623.8	4194279	8.60E-04	7.60E-04	1.42E-04	1.32E-04	7.84E-05	6.55E-05	8.87E-04	7.62E-04
686	651658.6	4194289	9.52E-04	8.42E-04	1.58E-04	1.46E-04	8.69E-05	7.25E-05	9.83E-04	8.45E-04
687	651516.7	4194254	5.17E-04	4.57E-04	8.56E-05	7.93E-05	4.71E-05	3.94E-05	5.33E-04	4.58E-04
688	651558.5	4194160	3.54E-04	3.13E-04	5.86E-05	5.43E-05	3.23E-05	2.69E-05	3.65E-04	3.14E-04
689	651595.7	4194170	4.24E-04	3.75E-04	7.03E-05	6.51E-05	3.87E-05	3.23E-05	4.38E-04	3.76E-04
690	651632.8	4194181	4.96E-04	4.38E-04	8.22E-05	7.61E-05	4.52E-05	3.78E-05	5.12E-04	4.40E-04
691	651669.9	4194191	5.64E-04	4.99E-04	9.35E-05	8.66E-05	5.15E-05	4.30E-05	5.82E-04	5.00E-04
692	651707	4194202	6.22E-04	5.50E-04	1.03E-04	9.55E-05	5.67E-05	4.74E-05	6.42E-04	5.52E-04

693	651519.9	4194154	2.94E-04	2.60E-04	4.87E-05	4.51E-05	2.68E-05	2.24E-05	3.03E-04	2.60E-04
694	651562.5	4194060	2.22E-04	1.96E-04	3.68E-05	3.41E-05	2.03E-05	1.69E-05	2.29E-04	1.97E-04
695	651601.2	4194071	2.64E-04	2.33E-04	4.37E-05	4.05E-05	2.41E-05	2.01E-05	2.72E-04	2.34E-04
696	651639.8	4194082	3.09E-04	2.73E-04	5.12E-05	4.74E-05	2.82E-05	2.35E-05	3.19E-04	2.74E-04
697	651678.5	4194093	3.55E-04	3.14E-04	5.89E-05	5.45E-05	3.24E-05	2.71E-05	3.67E-04	3.15E-04
698	651717.1	4194104	4.00E-04	3.53E-04	6.63E-05	6.14E-05	3.65E-05	3.05E-05	4.13E-04	3.55E-04
699	651755.8	4194115	4.38E-04	3.87E-04	7.25E-05	6.72E-05	3.99E-05	3.33E-05	4.52E-04	3.88E-04
700	651523.1	4194054	1.88E-04	1.66E-04	3.12E-05	2.89E-05	1.72E-05	1.43E-05	1.94E-04	1.67E-04
701	651564.9	4193960	1.51E-04	1.34E-04	2.51E-05	2.32E-05	1.38E-05	1.15E-05	1.56E-04	1.34E-04
702	651602	4193971	1.75E-04	1.54E-04	2.89E-05	2.68E-05	1.59E-05	1.33E-05	1.80E-04	1.55E-04
703	651639.1	4193981	2.01E-04	1.77E-04	3.32E-05	3.08E-05	1.83E-05	1.53E-05	2.07E-04	1.78E-04
704	651676.2	4193991	2.29E-04	2.03E-04	3.80E-05	3.52E-05	2.09E-05	1.75E-05	2.36E-04	2.03E-04
705	651713.3	4194002	2.59E-04	2.29E-04	4.29E-05	3.98E-05	2.36E-05	1.97E-05	2.67E-04	2.30E-04
706	651750.4	4194012	2.88E-04	2.55E-04	4.78E-05	4.43E-05	2.63E-05	2.20E-05	2.98E-04	2.56E-04
707	651787.5	4194023	3.14E-04	2.78E-04	5.21E-05	4.82E-05	2.87E-05	2.39E-05	3.24E-04	2.79E-04
708	651526.3	4193954	1.32E-04	1.17E-04	2.19E-05	2.02E-05	1.20E-05	1.00E-05	1.36E-04	1.17E-04
709	651568.6	4193860	1.11E-04	9.81E-05	1.84E-05	1.70E-05	1.01E-05	8.45E-06	1.15E-04	9.84E-05
710	651606.8	4193871	1.26E-04	1.11E-04	2.08E-05	1.93E-05	1.15E-05	9.58E-06	1.30E-04	1.11E-04
711	651645	4193882	1.42E-04	1.26E-04	2.36E-05	2.18E-05	1.30E-05	1.08E-05	1.47E-04	1.26E-04
712	651683.2	4193893	1.61E-04	1.42E-04	2.67E-05	2.47E-05	1.47E-05	1.23E-05	1.66E-04	1.43E-04
713	651721.4	4193903	1.82E-04	1.61E-04	3.01E-05	2.79E-05	1.66E-05	1.38E-05	1.88E-04	1.61E-04
714	651759.6	4193914	2.04E-04	1.80E-04	3.37E-05	3.13E-05	1.86E-05	1.55E-05	2.10E-04	1.81E-04
715	651797.8	4193925	2.25E-04	1.99E-04	3.72E-05	3.45E-05	2.05E-05	1.71E-05	2.32E-04	1.99E-04
716	651836	4193936	2.43E-04	2.15E-04	4.04E-05	3.74E-05	2.22E-05	1.85E-05	2.51E-04	2.16E-04
717	651529.4	4193854	9.84E-05	8.70E-05	1.63E-05	1.51E-05	8.98E-06	7.50E-06	1.02E-04	8.73E-05
718	651574.9	4193660	6.85E-05	6.06E-05	1.14E-05	1.05E-05	6.25E-06	5.22E-06	7.07E-05	6.08E-05
719	651650.8	4193682	8.20E-05	7.25E-05	1.36E-05	1.26E-05	7.48E-06	6.25E-06	8.46E-05	7.27E-05
720	651688.7	4193692	8.97E-05	7.93E-05	1.49E-05	1.38E-05	8.18E-06	6.83E-06	9.25E-05	7.95E-05
721	651726.7	4193703	9.87E-05	8.72E-05	1.64E-05	1.51E-05	9.00E-06	7.52E-06	1.02E-04	8.75E-05
722	651764.6	4193714	1.09E-04	9.66E-05	1.81E-05	1.68E-05	9.96E-06	8.32E-06	1.13E-04	9.69E-05
723	651802.6	4193725	1.21E-04	1.07E-04	2.00E-05	1.86E-05	1.10E-05	9.21E-06	1.25E-04	1.07E-04
724	651840.5	4193735	1.33E-04	1.18E-04	2.20E-05	2.04E-05	1.21E-05	1.01E-05	1.37E-04	1.18E-04
725	651878.5	4193746	1.45E-04	1.28E-04	2.40E-05	2.22E-05	1.32E-05	1.10E-05	1.49E-04	1.28E-04
726	651916.4	4193757	1.55E-04	1.37E-04	2.57E-05	2.38E-05	1.42E-05	1.18E-05	1.60E-04	1.38E-04
727	651954.4	4193767	1.64E-04	1.45E-04	2.73E-05	2.53E-05	1.50E-05	1.25E-05	1.70E-04	1.46E-04
728	651535.8	4193654	6.23E-05	5.51E-05	1.03E-05	9.56E-06	5.68E-06	4.74E-06	6.43E-05	5.52E-05
729	651619	4193471	5.16E-05	4.56E-05	8.55E-06	7.92E-06	4.71E-06	3.93E-06	5.32E-05	4.57E-05
730	651656.8	4193482	5.51E-05	4.87E-05	9.14E-06	8.46E-06	5.03E-06	4.20E-06	5.69E-05	4.89E-05
731	651694.5	4193492	5.86E-05	5.18E-05	9.72E-06	9.00E-06	5.35E-06	4.47E-06	6.05E-05	5.20E-05
732	651732.3	4193503	6.26E-05	5.53E-05	1.04E-05	9.60E-06	5.71E-06	4.77E-06	6.46E-05	5.55E-05
733	651770.1	4193514	6.73E-05	5.95E-05	1.12E-05	1.03E-05	6.14E-06	5.13E-06	6.94E-05	5.97E-05
734	651807.9	4193524	7.30E-05	6.46E-05	1.21E-05	1.12E-05	6.66E-06	5.56E-06	7.54E-05	6.48E-05
735	651845.7	4193535	7.97E-05	7.05E-05	1.32E-05	1.22E-05	7.27E-06	6.07E-06	8.23E-05	7.07E-05
736	651883.5	4193546	8.70E-05	7.69E-05	1.44E-05	1.34E-05	7.94E-06	6.63E-06	8.98E-05	7.72E-05
737	651921.3	4193556	9.45E-05	8.36E-05	1.57E-05	1.45E-05	8.62E-06	7.20E-06	9.75E-05	8.38E-05
738	651959.1	4193567	1.02E-04	8.99E-05	1.69E-05	1.56E-05	9.28E-06	7.75E-06	1.05E-04	9.02E-05
739	651996.9	4193578	1.08E-04	9.58E-05	1.80E-05	1.66E-05	9.88E-06	8.25E-06	1.12E-04	9.61E-05
740	652034.7	4193588	1.14E-04	1.01E-04	1.89E-05	1.75E-05	1.04E-05	8.70E-06	1.18E-04	1.01E-04
741	651587.5	4193260	3.58E-05	3.17E-05	5.94E-06	5.50E-06	3.27E-06	2.73E-06	3.70E-05	3.18E-05
742	651625.2	4193271	3.84E-05	3.40E-05	6.37E-06	5.89E-06	3.50E-06	2.93E-06	3.96E-05	3.41E-05
743	651662.8	4193282	4.06E-05	3.59E-05	6.73E-06	6.24E-06	3.71E-06	3.09E-06	4.19E-05	3.60E-05
744	651700.5	4193292	4.26E-05	3.76E-05	7.06E-06	6.53E-06	3.88E-06	3.24E-06	4.39E-05	3.78E-05
745	651738.2	4193303	4.45E-05	3.94E-05	7.38E-06	6.83E-06	4.06E-06	3.39E-06	4.59E-05	3.95E-05
746	651775.9	4193314	4.67E-05	4.13E-05	7.74E-06	7.17E-06	4.26E-06	3.56E-06	4.82E-05	4.14E-05
747	651813.6	4193324	4.93E-05	4.36E-05	8.18E-06	7.58E-06	4.50E-06	3.76E-06	5.09E-05	4.38E-05
748	651851.3	4193335	5.26E-05	4.65E-05	8.72E-06	8.08E-06	4.80E-06	4.01E-06	5.43E-05	4.67E-05
749	651889	4193346	5.68E-05	5.02E-05	9.41E-06	8.72E-06	5.18E-06	4.33E-06	5.86E-05	5.04E-05
750	651926.6	4193356	6.13E-05	5.42E-05	1.02E-05	9.41E-06	5.60E-06	4.67E-06	6.33E-05	5.44E-05

751	651964.3	4193367	6.62E-05	5.86E-05	1.10E-05	1.02E-05	6.04E-06	5.05E-06	6.84E-05	5.87E-05
752	652002	4193378	7.12E-05	6.30E-05	1.18E-05	1.09E-05	6.50E-06	5.43E-06	7.35E-05	6.32E-05
753	652039.7	4193388	7.60E-05	6.72E-05	1.26E-05	1.17E-05	6.94E-06	5.79E-06	7.85E-05	6.74E-05
754	652077.4	4193399	8.05E-05	7.11E-05	1.33E-05	1.24E-05	7.34E-06	6.13E-06	8.30E-05	7.14E-05
755	652115.1	4193409	8.44E-05	7.46E-05	1.40E-05	1.30E-05	7.70E-06	6.43E-06	8.71E-05	7.48E-05
756	652152.7	4193420	8.79E-05	7.77E-05	1.46E-05	1.35E-05	8.02E-06	6.69E-06	9.07E-05	7.79E-05
757	651548.5	4193255	3.31E-05	2.93E-05	5.49E-06	5.09E-06	3.02E-06	2.52E-06	3.42E-05	2.94E-05
758	651594.3	4193061	2.82E-05	2.50E-05	4.68E-06	4.33E-06	2.58E-06	2.15E-06	2.91E-05	2.50E-05
759	651633	4193072	3.02E-05	2.67E-05	5.01E-06	4.64E-06	2.76E-06	2.30E-06	3.12E-05	2.68E-05
760	651671.6	4193083	3.19E-05	2.82E-05	5.28E-06	4.89E-06	2.91E-06	2.43E-06	3.29E-05	2.83E-05
761	651710.3	4193093	3.32E-05	2.94E-05	5.51E-06	5.10E-06	3.03E-06	2.53E-06	3.43E-05	2.95E-05
762	651748.9	4193104	3.45E-05	3.05E-05	5.71E-06	5.29E-06	3.14E-06	2.62E-06	3.56E-05	3.06E-05
763	651787.6	4193115	3.56E-05	3.15E-05	5.91E-06	5.47E-06	3.25E-06	2.72E-06	3.68E-05	3.16E-05
764	651826.2	4193126	3.70E-05	3.27E-05	6.14E-06	5.68E-06	3.38E-06	2.82E-06	3.82E-05	3.28E-05
765	651864.9	4193137	3.87E-05	3.42E-05	6.42E-06	5.94E-06	3.53E-06	2.95E-06	4.00E-05	3.43E-05
766	651903.5	4193148	4.09E-05	3.62E-05	6.78E-06	6.28E-06	3.73E-06	3.11E-06	4.22E-05	3.63E-05
767	651942.2	4193159	4.35E-05	3.85E-05	7.21E-06	6.68E-06	3.97E-06	3.32E-06	4.49E-05	3.86E-05
768	651980.8	4193170	4.66E-05	4.12E-05	7.73E-06	7.16E-06	4.25E-06	3.55E-06	4.81E-05	4.13E-05
769	652019.5	4193181	5.01E-05	4.43E-05	8.30E-06	7.68E-06	4.57E-06	3.81E-06	5.17E-05	4.44E-05
770	652058.1	4193192	5.37E-05	4.75E-05	8.90E-06	8.24E-06	4.90E-06	4.09E-06	5.54E-05	4.76E-05
771	652096.8	4193203	5.73E-05	5.07E-05	9.49E-06	8.79E-06	5.23E-06	4.36E-06	5.91E-05	5.08E-05
772	652135.4	4193214	6.07E-05	5.37E-05	1.01E-05	9.31E-06	5.54E-06	4.62E-06	6.26E-05	5.38E-05
773	652174.1	4193224	6.38E-05	5.64E-05	1.06E-05	9.79E-06	5.82E-06	4.86E-06	6.58E-05	5.66E-05
774	652212.7	4193235	6.65E-05	5.88E-05	1.10E-05	1.02E-05	6.07E-06	5.07E-06	6.86E-05	5.90E-05
775	652251.4	4193246	6.89E-05	6.09E-05	1.14E-05	1.06E-05	6.29E-06	5.25E-06	7.11E-05	6.11E-05
776	651554.9	4193055	2.62E-05	2.32E-05	4.34E-06	4.02E-06	2.39E-06	2.00E-06	2.70E-05	2.32E-05
777	651484.5	4194504	5.04E-03	4.46E-03	8.36E-04	7.74E-04	4.60E-04	3.84E-04	5.21E-03	4.47E-03
778	651484.3	4194479	3.54E-03	3.13E-03	5.87E-04	5.44E-04	3.23E-04	2.70E-04	3.65E-03	3.14E-03
779	651484.1	4194454	2.58E-03	2.28E-03	4.27E-04	3.95E-04	2.35E-04	1.96E-04	2.66E-03	2.28E-03
780	651483.7	4194404	1.48E-03	1.31E-03	2.45E-04	2.27E-04	1.35E-04	1.13E-04	1.52E-03	1.31E-03
781	651483.2	4194354	9.22E-04	8.15E-04	1.53E-04	1.42E-04	8.41E-05	7.02E-05	9.51E-04	8.18E-04
782	651482.8	4194304	6.16E-04	5.45E-04	1.02E-04	9.45E-05	5.62E-05	4.69E-05	6.36E-04	5.46E-04
783	651480.7	4194054	1.61E-04	1.42E-04	2.66E-05	2.46E-05	1.46E-05	1.22E-05	1.66E-04	1.42E-04
784	651502.1	4193954	1.22E-04	1.08E-04	2.02E-05	1.87E-05	1.11E-05	9.29E-06	1.26E-04	1.08E-04
785	651457.6	4193954	1.05E-04	9.31E-05	1.75E-05	1.62E-05	9.61E-06	8.02E-06	1.09E-04	9.34E-05
786	651501.3	4193854	9.08E-05	8.03E-05	1.50E-05	1.39E-05	8.28E-06	6.92E-06	9.37E-05	8.05E-05
787	651456.8	4193854	7.94E-05	7.02E-05	1.32E-05	1.22E-05	7.24E-06	6.05E-06	8.19E-05	7.04E-05
788	651499.6	4193654	5.69E-05	5.03E-05	9.43E-06	8.74E-06	5.19E-06	4.34E-06	5.87E-05	5.05E-05
789	651366.1	4193655	4.11E-05	3.64E-05	6.82E-06	6.32E-06	3.75E-06	3.13E-06	4.25E-05	3.65E-05
790	651321.6	4193655	3.93E-05	3.48E-05	6.52E-06	6.04E-06	3.59E-06	3.00E-06	4.06E-05	3.49E-05
791	651408.9	4193455	3.21E-05	2.84E-05	5.32E-06	4.93E-06	2.93E-06	2.45E-06	3.31E-05	2.85E-05
792	651364.4	4193455	2.97E-05	2.63E-05	4.93E-06	4.56E-06	2.71E-06	2.26E-06	3.07E-05	2.64E-05
793	651319.9	4193455	2.86E-05	2.53E-05	4.74E-06	4.39E-06	2.61E-06	2.18E-06	2.95E-05	2.54E-05
794	651340.5	4193255	2.24E-05	1.98E-05	3.71E-06	3.44E-06	2.04E-06	1.71E-06	2.31E-05	1.99E-05
795	651296	4193256	2.20E-05	1.94E-05	3.64E-06	3.37E-06	2.00E-06	1.67E-06	2.27E-05	1.95E-05
796	651294.3	4193056	1.76E-05	1.56E-05	2.92E-06	2.70E-06	1.61E-06	1.34E-06	1.82E-05	1.56E-05
797	651120.1	4194652	5.09E-04	4.50E-04	8.43E-05	7.81E-05	4.64E-05	3.87E-05	5.25E-04	4.51E-04
798	651112.8	4194676	5.34E-04	4.72E-04	8.85E-05	8.20E-05	4.87E-05	4.07E-05	5.51E-04	4.73E-04
799	651105.6	4194699	5.55E-04	4.91E-04	9.21E-05	8.53E-05	5.07E-05	4.23E-05	5.73E-04	4.93E-04
800	651098.3	4194723	5.73E-04	5.07E-04	9.50E-05	8.80E-05	5.23E-05	4.37E-05	5.92E-04	5.08E-04
801	651091.1	4194746	5.87E-04	5.19E-04	9.73E-05	9.01E-05	5.36E-05	4.47E-05	6.06E-04	5.21E-04
802	651083.8	4194770	5.97E-04	5.28E-04	9.89E-05	9.16E-05	5.44E-05	4.55E-05	6.16E-04	5.29E-04
803	651076.6	4194793	6.01E-04	5.31E-04	9.96E-05	9.22E-05	5.48E-05	4.58E-05	6.20E-04	5.33E-04
804	651101.3	4194544	2.79E-04	2.46E-04	4.62E-05	4.28E-05	2.54E-05	2.12E-05	2.88E-04	2.47E-04
805	651094.1	4194567	2.96E-04	2.62E-04	4.91E-05	4.55E-05	2.70E-05	2.26E-05	3.06E-04	2.63E-04
806	651086.8	4194591	3.14E-04	2.78E-04	5.21E-05	4.83E-05	2.87E-05	2.40E-05	3.25E-04	2.79E-04
807	651079.6	4194614	3.33E-04	2.94E-04	5.51E-05	5.11E-05	3.04E-05	2.53E-05	3.43E-04	2.95E-04
808	651072.3	4194638	3.51E-04	3.10E-04	5.82E-05	5.39E-05	3.20E-05	2.67E-05	3.62E-04	3.11E-04

809	651065.1	4194661	3.69E-04	3.26E-04	6.11E-05	5.66E-05	3.36E-05	2.81E-05	3.81E-04	3.27E-04
810	651057.8	4194685	3.86E-04	3.41E-04	6.39E-05	5.92E-05	3.52E-05	2.94E-05	3.98E-04	3.42E-04
811	651050.5	4194708	4.01E-04	3.55E-04	6.65E-05	6.16E-05	3.66E-05	3.06E-05	4.14E-04	3.56E-04
812	651043.3	4194732	4.14E-04	3.66E-04	6.87E-05	6.36E-05	3.78E-05	3.16E-05	4.28E-04	3.67E-04
813	651036	4194755	4.25E-04	3.76E-04	7.04E-05	6.52E-05	3.88E-05	3.24E-05	4.38E-04	3.77E-04
814	651028.8	4194779	4.32E-04	3.82E-04	7.15E-05	6.62E-05	3.94E-05	3.29E-05	4.45E-04	3.83E-04
815	651080.9	4194464	1.94E-04	1.72E-04	3.22E-05	2.98E-05	1.77E-05	1.48E-05	2.00E-04	1.72E-04
816	651106.5	4194427	1.94E-04	1.71E-04	3.21E-05	2.97E-05	1.77E-05	1.47E-05	2.00E-04	1.72E-04
817	651132.1	4194391	1.87E-04	1.65E-04	3.10E-05	2.87E-05	1.70E-05	1.42E-05	1.93E-04	1.66E-04
818	651220.7	4194334	1.90E-04	1.68E-04	3.15E-05	2.91E-05	1.73E-05	1.45E-05	1.96E-04	1.68E-04
819	651068.1	4194482	1.93E-04	1.71E-04	3.20E-05	2.97E-05	1.76E-05	1.47E-05	2.00E-04	1.71E-04
820	651060.8	4194505	2.01E-04	1.77E-04	3.33E-05	3.08E-05	1.83E-05	1.53E-05	2.07E-04	1.78E-04
821	651053.6	4194529	2.10E-04	1.86E-04	3.48E-05	3.22E-05	1.91E-05	1.60E-05	2.17E-04	1.86E-04
822	651046.3	4194552	2.21E-04	1.95E-04	3.66E-05	3.39E-05	2.01E-05	1.68E-05	2.28E-04	1.96E-04
823	651039.1	4194576	2.33E-04	2.06E-04	3.86E-05	3.57E-05	2.12E-05	1.77E-05	2.40E-04	2.07E-04
824	651031.8	4194599	2.45E-04	2.17E-04	4.07E-05	3.77E-05	2.24E-05	1.87E-05	2.53E-04	2.18E-04
825	651024.5	4194623	2.58E-04	2.28E-04	4.28E-05	3.96E-05	2.35E-05	1.97E-05	2.66E-04	2.29E-04
826	651017.3	4194646	2.71E-04	2.39E-04	4.49E-05	4.16E-05	2.47E-05	2.06E-05	2.79E-04	2.40E-04
827	651010	4194670	2.84E-04	2.51E-04	4.70E-05	4.35E-05	2.59E-05	2.16E-05	2.93E-04	2.51E-04
828	651002.8	4194693	2.96E-04	2.62E-04	4.91E-05	4.55E-05	2.70E-05	2.26E-05	3.06E-04	2.63E-04
829	650995.5	4194717	3.08E-04	2.72E-04	5.11E-05	4.73E-05	2.81E-05	2.35E-05	3.18E-04	2.73E-04
830	650988.3	4194740	3.18E-04	2.81E-04	5.28E-05	4.89E-05	2.90E-05	2.42E-05	3.29E-04	2.82E-04
831	650981	4194764	3.26E-04	2.88E-04	5.40E-05	5.00E-05	2.97E-05	2.48E-05	3.36E-04	2.89E-04
832	650973.8	4194787	3.30E-04	2.92E-04	5.47E-05	5.06E-05	3.01E-05	2.51E-05	3.40E-04	2.93E-04
833	650966.5	4194811	3.31E-04	2.92E-04	5.48E-05	5.07E-05	3.02E-05	2.52E-05	3.41E-04	2.93E-04
834	650959.2	4194834	3.28E-04	2.90E-04	5.44E-05	5.04E-05	3.00E-05	2.50E-05	3.39E-04	2.91E-04
835	651033.7	4194448	1.56E-04	1.38E-04	2.58E-05	2.39E-05	1.42E-05	1.19E-05	1.61E-04	1.38E-04
836	651047.2	4194429	1.57E-04	1.39E-04	2.61E-05	2.41E-05	1.43E-05	1.20E-05	1.62E-04	1.39E-04
837	651060.6	4194410	1.58E-04	1.40E-04	2.62E-05	2.42E-05	1.44E-05	1.20E-05	1.63E-04	1.40E-04
838	651074.1	4194391	1.57E-04	1.39E-04	2.60E-05	2.41E-05	1.43E-05	1.20E-05	1.62E-04	1.39E-04
839	651087.5	4194372	1.55E-04	1.37E-04	2.56E-05	2.38E-05	1.41E-05	1.18E-05	1.60E-04	1.37E-04
840	651100.9	4194353	1.51E-04	1.34E-04	2.50E-05	2.32E-05	1.38E-05	1.15E-05	1.56E-04	1.34E-04
841	651114.4	4194334	1.47E-04	1.30E-04	2.43E-05	2.25E-05	1.34E-05	1.12E-05	1.51E-04	1.30E-04
842	651149.9	4194307	1.44E-04	1.28E-04	2.39E-05	2.22E-05	1.32E-05	1.10E-05	1.49E-04	1.28E-04
843	651172	4194300	1.47E-04	1.30E-04	2.44E-05	2.26E-05	1.34E-05	1.12E-05	1.52E-04	1.31E-04
844	651194	4194293	1.50E-04	1.33E-04	2.49E-05	2.31E-05	1.37E-05	1.15E-05	1.55E-04	1.33E-04
845	651216.1	4194285	1.54E-04	1.36E-04	2.55E-05	2.36E-05	1.40E-05	1.17E-05	1.59E-04	1.36E-04
846	651020.3	4194467	1.54E-04	1.36E-04	2.55E-05	2.36E-05	1.40E-05	1.17E-05	1.59E-04	1.37E-04
847	651013	4194491	1.58E-04	1.40E-04	2.62E-05	2.43E-05	1.44E-05	1.21E-05	1.63E-04	1.40E-04
848	651005.8	4194514	1.64E-04	1.45E-04	2.72E-05	2.52E-05	1.50E-05	1.25E-05	1.69E-04	1.45E-04
849	650998.5	4194538	1.71E-04	1.52E-04	2.84E-05	2.63E-05	1.56E-05	1.31E-05	1.77E-04	1.52E-04
850	650991.3	4194561	1.80E-04	1.59E-04	2.99E-05	2.76E-05	1.64E-05	1.37E-05	1.86E-04	1.60E-04
851	650984	4194585	1.89E-04	1.67E-04	3.14E-05	2.91E-05	1.73E-05	1.44E-05	1.95E-04	1.68E-04
852	650976.8	4194608	1.99E-04	1.76E-04	3.30E-05	3.05E-05	1.81E-05	1.51E-05	2.05E-04	1.76E-04
853	650969.5	4194632	2.08E-04	1.84E-04	3.45E-05	3.20E-05	1.90E-05	1.59E-05	2.15E-04	1.85E-04
854	650962.3	4194655	2.18E-04	1.93E-04	3.61E-05	3.34E-05	1.99E-05	1.66E-05	2.25E-04	1.93E-04
855	650955	4194679	2.28E-04	2.01E-04	3.77E-05	3.50E-05	2.08E-05	1.74E-05	2.35E-04	2.02E-04
856	650947.7	4194702	2.38E-04	2.10E-04	3.94E-05	3.65E-05	2.17E-05	1.81E-05	2.45E-04	2.11E-04
857	650940.5	4194726	2.47E-04	2.18E-04	4.09E-05	3.79E-05	2.25E-05	1.88E-05	2.55E-04	2.19E-04
858	650933.2	4194749	2.55E-04	2.25E-04	4.22E-05	3.91E-05	2.32E-05	1.94E-05	2.63E-04	2.26E-04
859	650926	4194773	2.60E-04	2.30E-04	4.30E-05	3.99E-05	2.37E-05	1.98E-05	2.68E-04	2.30E-04
860	650918.7	4194796	2.62E-04	2.32E-04	4.34E-05	4.02E-05	2.39E-05	2.00E-05	2.70E-04	2.32E-04
861	650911.5	4194820	2.62E-04	2.32E-04	4.34E-05	4.02E-05	2.39E-05	2.00E-05	2.71E-04	2.32E-04
862	650937.8	4194419	1.06E-04	9.38E-05	1.76E-05	1.63E-05	9.67E-06	8.08E-06	1.09E-04	9.41E-05
863	650950.8	4194401	1.08E-04	9.54E-05	1.79E-05	1.66E-05	9.84E-06	8.22E-06	1.11E-04	9.57E-05
864	650963.8	4194382	1.10E-04	9.70E-05	1.82E-05	1.68E-05	1.00E-05	8.35E-06	1.13E-04	9.72E-05
865	650989.9	4194345	1.12E-04	9.86E-05	1.85E-05	1.71E-05	1.02E-05	8.50E-06	1.15E-04	9.89E-05
866	651002.9	4194327	1.11E-04	9.84E-05	1.84E-05	1.71E-05	1.02E-05	8.48E-06	1.15E-04	9.87E-05

867	651016	4194308	1.10E-04	9.74E-05	1.83E-05	1.69E-05	1.01E-05	8.39E-06	1.14E-04	9.77E-05
868	651029	4194290	1.08E-04	9.59E-05	1.80E-05	1.66E-05	9.89E-06	8.26E-06	1.12E-04	9.61E-05
869	651042	4194272	1.06E-04	9.38E-05	1.76E-05	1.63E-05	9.68E-06	8.08E-06	1.09E-04	9.41E-05
870	651089.5	4194227	1.01E-04	8.89E-05	1.67E-05	1.54E-05	9.17E-06	7.66E-06	1.04E-04	8.92E-05
871	651110.9	4194220	1.01E-04	8.94E-05	1.68E-05	1.55E-05	9.22E-06	7.70E-06	1.04E-04	8.96E-05
872	651132.3	4194213	1.02E-04	9.01E-05	1.69E-05	1.56E-05	9.29E-06	7.76E-06	1.05E-04	9.03E-05
873	651153.7	4194206	1.03E-04	9.11E-05	1.71E-05	1.58E-05	9.40E-06	7.85E-06	1.06E-04	9.13E-05
874	651175.1	4194199	1.05E-04	9.24E-05	1.73E-05	1.60E-05	9.54E-06	7.97E-06	1.08E-04	9.27E-05
875	651196.5	4194192	1.07E-04	9.43E-05	1.77E-05	1.64E-05	9.73E-06	8.13E-06	1.10E-04	9.46E-05
876	650924.7	4194438	1.05E-04	9.25E-05	1.73E-05	1.61E-05	9.54E-06	7.97E-06	1.08E-04	9.27E-05
877	650917.5	4194461	1.07E-04	9.42E-05	1.77E-05	1.64E-05	9.72E-06	8.12E-06	1.10E-04	9.45E-05
878	650910.2	4194485	1.10E-04	9.69E-05	1.82E-05	1.68E-05	9.99E-06	8.34E-06	1.13E-04	9.71E-05
879	650903	4194508	1.14E-04	1.00E-04	1.88E-05	1.74E-05	1.04E-05	8.65E-06	1.17E-04	1.01E-04
880	650895.7	4194532	1.18E-04	1.05E-04	1.96E-05	1.82E-05	1.08E-05	9.02E-06	1.22E-04	1.05E-04
881	650888.5	4194555	1.24E-04	1.10E-04	2.05E-05	1.90E-05	1.13E-05	9.44E-06	1.28E-04	1.10E-04
882	650881.2	4194579	1.30E-04	1.15E-04	2.15E-05	1.99E-05	1.18E-05	9.88E-06	1.34E-04	1.15E-04
883	650874	4194602	1.36E-04	1.20E-04	2.25E-05	2.08E-05	1.24E-05	1.03E-05	1.40E-04	1.20E-04
884	650866.7	4194626	1.42E-04	1.25E-04	2.35E-05	2.18E-05	1.29E-05	1.08E-05	1.46E-04	1.26E-04
885	650859.4	4194649	1.48E-04	1.31E-04	2.46E-05	2.27E-05	1.35E-05	1.13E-05	1.53E-04	1.31E-04
886	650852.2	4194673	1.55E-04	1.37E-04	2.56E-05	2.37E-05	1.41E-05	1.18E-05	1.60E-04	1.37E-04
887	650844.9	4194696	1.61E-04	1.42E-04	2.67E-05	2.47E-05	1.47E-05	1.23E-05	1.66E-04	1.43E-04
888	650837.7	4194720	1.67E-04	1.48E-04	2.77E-05	2.56E-05	1.52E-05	1.27E-05	1.72E-04	1.48E-04
889	650830.4	4194743	1.72E-04	1.52E-04	2.85E-05	2.64E-05	1.57E-05	1.31E-05	1.77E-04	1.52E-04
890	650823.2	4194767	1.76E-04	1.55E-04	2.91E-05	2.70E-05	1.60E-05	1.34E-05	1.81E-04	1.56E-04
891	650815.9	4194790	1.78E-04	1.57E-04	2.95E-05	2.73E-05	1.62E-05	1.36E-05	1.84E-04	1.58E-04
892	650843	4194389	7.76E-05	6.86E-05	1.29E-05	1.19E-05	7.08E-06	5.91E-06	8.01E-05	6.88E-05
893	650856.8	4194369	7.90E-05	6.98E-05	1.31E-05	1.21E-05	7.20E-06	6.02E-06	8.15E-05	7.00E-05
894	650870.6	4194350	8.05E-05	7.12E-05	1.33E-05	1.24E-05	7.34E-06	6.13E-06	8.31E-05	7.14E-05
895	650884.3	4194330	8.19E-05	7.24E-05	1.36E-05	1.26E-05	7.47E-06	6.24E-06	8.45E-05	7.26E-05
896	650898.1	4194311	8.30E-05	7.34E-05	1.38E-05	1.27E-05	7.57E-06	6.32E-06	8.57E-05	7.36E-05
897	650911.9	4194291	8.37E-05	7.40E-05	1.39E-05	1.28E-05	7.63E-06	6.37E-06	8.64E-05	7.42E-05
898	650925.7	4194272	8.39E-05	7.42E-05	1.39E-05	1.29E-05	7.65E-06	6.39E-06	8.66E-05	7.44E-05
899	650939.5	4194252	8.37E-05	7.40E-05	1.39E-05	1.28E-05	7.64E-06	6.38E-06	8.64E-05	7.42E-05
900	650953.3	4194232	8.31E-05	7.35E-05	1.38E-05	1.28E-05	7.58E-06	6.33E-06	8.58E-05	7.37E-05
901	650967	4194213	8.20E-05	7.25E-05	1.36E-05	1.26E-05	7.48E-06	6.25E-06	8.46E-05	7.27E-05
902	650980.8	4194193	8.04E-05	7.11E-05	1.33E-05	1.23E-05	7.34E-06	6.13E-06	8.30E-05	7.13E-05
903	650994.6	4194174	7.83E-05	6.92E-05	1.30E-05	1.20E-05	7.14E-06	5.97E-06	8.08E-05	6.95E-05
904	651121.6	4194116	7.60E-05	6.72E-05	1.26E-05	1.17E-05	6.93E-06	5.79E-06	7.84E-05	6.74E-05
905	651144.2	4194109	7.72E-05	6.82E-05	1.28E-05	1.18E-05	7.04E-06	5.88E-06	7.96E-05	6.84E-05
906	651166.9	4194101	7.89E-05	6.98E-05	1.31E-05	1.21E-05	7.20E-06	6.01E-06	8.14E-05	7.00E-05
907	651189.5	4194094	8.09E-05	7.15E-05	1.34E-05	1.24E-05	7.38E-06	6.16E-06	8.35E-05	7.17E-05
908	651212.2	4194086	8.29E-05	7.33E-05	1.37E-05	1.27E-05	7.56E-06	6.32E-06	8.56E-05	7.35E-05
909	650829.2	4194408	7.66E-05	6.78E-05	1.27E-05	1.18E-05	6.99E-06	5.84E-06	7.91E-05	6.80E-05
910	650821.9	4194432	7.78E-05	6.88E-05	1.29E-05	1.19E-05	7.10E-06	5.93E-06	8.03E-05	6.90E-05
911	650814.7	4194455	7.96E-05	7.04E-05	1.32E-05	1.22E-05	7.26E-06	6.06E-06	8.22E-05	7.06E-05
912	650807.4	4194479	8.20E-05	7.25E-05	1.36E-05	1.26E-05	7.48E-06	6.24E-06	8.46E-05	7.27E-05
913	650800.2	4194502	8.49E-05	7.50E-05	1.41E-05	1.30E-05	7.74E-06	6.47E-06	8.76E-05	7.53E-05
914	650792.9	4194526	8.82E-05	7.80E-05	1.46E-05	1.35E-05	8.05E-06	6.72E-06	9.10E-05	7.82E-05
915	650785.7	4194549	9.20E-05	8.14E-05	1.53E-05	1.41E-05	8.40E-06	7.01E-06	9.50E-05	8.16E-05
916	650778.4	4194573	9.63E-05	8.51E-05	1.60E-05	1.48E-05	8.78E-06	7.33E-06	9.94E-05	8.54E-05
917	650771.2	4194596	1.01E-04	8.92E-05	1.67E-05	1.55E-05	9.20E-06	7.68E-06	1.04E-04	8.94E-05
918	650763.9	4194620	1.06E-04	9.33E-05	1.75E-05	1.62E-05	9.63E-06	8.04E-06	1.09E-04	9.36E-05
919	650756.6	4194643	1.10E-04	9.74E-05	1.83E-05	1.69E-05	1.01E-05	8.40E-06	1.14E-04	9.77E-05
920	650749.4	4194667	1.15E-04	1.01E-04	1.90E-05	1.76E-05	1.05E-05	8.73E-06	1.18E-04	1.02E-04
921	650742.1	4194690	1.19E-04	1.05E-04	1.97E-05	1.82E-05	1.08E-05	9.03E-06	1.22E-04	1.05E-04
922	650734.9	4194714	1.22E-04	1.08E-04	2.02E-05	1.88E-05	1.11E-05	9.31E-06	1.26E-04	1.08E-04
923	650727.6	4194737	1.25E-04	1.11E-04	2.08E-05	1.92E-05	1.14E-05	9.54E-06	1.29E-04	1.11E-04
924	650720.4	4194761	1.28E-04	1.13E-04	2.12E-05	1.96E-05	1.17E-05	9.74E-06	1.32E-04	1.13E-04

925	650747.1	4194360	6.00E-05	5.31E-05	9.95E-06	9.21E-06	5.47E-06	4.57E-06	6.19E-05	5.32E-05
926	650760.5	4194341	6.09E-05	5.38E-05	1.01E-05	9.34E-06	5.55E-06	4.64E-06	6.28E-05	5.40E-05
927	650774	4194321	6.19E-05	5.47E-05	1.03E-05	9.50E-06	5.64E-06	4.71E-06	6.38E-05	5.49E-05
928	650787.4	4194302	6.29E-05	5.56E-05	1.04E-05	9.66E-06	5.74E-06	4.79E-06	6.49E-05	5.58E-05
929	650800.8	4194283	6.39E-05	5.65E-05	1.06E-05	9.81E-06	5.83E-06	4.87E-06	6.59E-05	5.67E-05
930	650814.3	4194264	6.47E-05	5.72E-05	1.07E-05	9.93E-06	5.90E-06	4.93E-06	6.68E-05	5.74E-05
931	650827.7	4194245	6.53E-05	5.77E-05	1.08E-05	1.00E-05	5.96E-06	4.97E-06	6.74E-05	5.79E-05
932	650841.2	4194226	6.57E-05	5.81E-05	1.09E-05	1.01E-05	5.99E-06	5.00E-06	6.78E-05	5.82E-05
933	650854.6	4194207	6.59E-05	5.83E-05	1.09E-05	1.01E-05	6.01E-06	5.02E-06	6.80E-05	5.84E-05
934	650868	4194188	6.60E-05	5.83E-05	1.09E-05	1.01E-05	6.02E-06	5.03E-06	6.81E-05	5.85E-05
935	650881.5	4194169	6.59E-05	5.83E-05	1.09E-05	1.01E-05	6.01E-06	5.02E-06	6.80E-05	5.84E-05
936	650921.8	4194112	6.38E-05	5.64E-05	1.06E-05	9.79E-06	5.82E-06	4.86E-06	6.58E-05	5.66E-05
937	650935.2	4194093	6.23E-05	5.51E-05	1.03E-05	9.56E-06	5.68E-06	4.74E-06	6.43E-05	5.52E-05
938	650970.8	4194067	5.99E-05	5.30E-05	9.93E-06	9.20E-06	5.47E-06	4.56E-06	6.18E-05	5.31E-05
939	650992.8	4194059	5.93E-05	5.24E-05	9.83E-06	9.10E-06	5.41E-06	4.52E-06	6.12E-05	5.26E-05
940	651014.9	4194052	5.86E-05	5.19E-05	9.72E-06	9.00E-06	5.35E-06	4.47E-06	6.05E-05	5.20E-05
941	651037	4194045	5.82E-05	5.15E-05	9.64E-06	8.93E-06	5.31E-06	4.43E-06	6.01E-05	5.16E-05
942	651059.1	4194037	5.81E-05	5.14E-05	9.63E-06	8.92E-06	5.30E-06	4.42E-06	5.99E-05	5.15E-05
943	651081.1	4194030	5.85E-05	5.17E-05	9.69E-06	8.97E-06	5.33E-06	4.45E-06	6.03E-05	5.18E-05
944	651103.2	4194022	5.94E-05	5.25E-05	9.84E-06	9.12E-06	5.42E-06	4.52E-06	6.13E-05	5.27E-05
945	651125.3	4194015	6.08E-05	5.37E-05	1.01E-05	9.33E-06	5.54E-06	4.63E-06	6.27E-05	5.39E-05
946	651147.4	4194007	6.25E-05	5.52E-05	1.04E-05	9.59E-06	5.70E-06	4.76E-06	6.45E-05	5.54E-05
947	651169.4	4194000	6.43E-05	5.68E-05	1.07E-05	9.87E-06	5.86E-06	4.90E-06	6.63E-05	5.70E-05
948	651191.5	4193993	6.60E-05	5.83E-05	1.09E-05	1.01E-05	6.02E-06	5.03E-06	6.81E-05	5.85E-05
949	651213.6	4193985	6.73E-05	5.95E-05	1.12E-05	1.03E-05	6.14E-06	5.13E-06	6.95E-05	5.97E-05
950	650733.6	4194379	5.94E-05	5.25E-05	9.84E-06	9.12E-06	5.42E-06	4.52E-06	6.13E-05	5.27E-05
951	650726.4	4194402	6.01E-05	5.32E-05	9.96E-06	9.23E-06	5.48E-06	4.58E-06	6.20E-05	5.33E-05
952	650719.1	4194426	6.12E-05	5.41E-05	1.01E-05	9.39E-06	5.58E-06	4.66E-06	6.31E-05	5.43E-05
953	650711.9	4194449	6.26E-05	5.53E-05	1.04E-05	9.61E-06	5.71E-06	4.77E-06	6.46E-05	5.55E-05
954	650704.6	4194473	6.44E-05	5.69E-05	1.07E-05	9.88E-06	5.87E-06	4.90E-06	6.64E-05	5.71E-05
955	650697.4	4194496	6.66E-05	5.89E-05	1.10E-05	1.02E-05	6.08E-06	5.07E-06	6.87E-05	5.91E-05
956	650690.1	4194520	6.93E-05	6.13E-05	1.15E-05	1.06E-05	6.32E-06	5.28E-06	7.15E-05	6.15E-05
957	650682.9	4194543	7.25E-05	6.41E-05	1.20E-05	1.11E-05	6.61E-06	5.52E-06	7.48E-05	6.43E-05
958	650675.6	4194567	7.60E-05	6.72E-05	1.26E-05	1.17E-05	6.93E-06	5.79E-06	7.84E-05	6.74E-05
959	650668.4	4194590	7.97E-05	7.05E-05	1.32E-05	1.22E-05	7.27E-06	6.07E-06	8.22E-05	7.07E-05
960	650661.1	4194614	8.33E-05	7.37E-05	1.38E-05	1.28E-05	7.60E-06	6.35E-06	8.60E-05	7.39E-05
961	650653.8	4194637	8.67E-05	7.67E-05	1.44E-05	1.33E-05	7.91E-06	6.61E-06	8.95E-05	7.69E-05
962	650646.6	4194661	8.97E-05	7.93E-05	1.49E-05	1.38E-05	8.18E-06	6.83E-06	9.26E-05	7.96E-05
963	650639.3	4194684	9.23E-05	8.16E-05	1.53E-05	1.42E-05	8.42E-06	7.03E-06	9.53E-05	8.19E-05
964	650632.1	4194708	9.45E-05	8.36E-05	1.57E-05	1.45E-05	8.63E-06	7.20E-06	9.76E-05	8.39E-05
965	650624.8	4194731	9.65E-05	8.53E-05	1.60E-05	1.48E-05	8.80E-06	7.35E-06	9.96E-05	8.56E-05
966	650652	4194329	4.84E-05	4.28E-05	8.02E-06	7.43E-06	4.41E-06	3.69E-06	4.99E-05	4.29E-05
967	650666	4194310	4.90E-05	4.33E-05	8.13E-06	7.53E-06	4.47E-06	3.73E-06	5.06E-05	4.35E-05
968	650679.9	4194290	4.98E-05	4.40E-05	8.25E-06	7.64E-06	4.54E-06	3.79E-06	5.14E-05	4.41E-05
969	650693.8	4194270	5.05E-05	4.47E-05	8.38E-06	7.76E-06	4.61E-06	3.85E-06	5.22E-05	4.48E-05
970	650707.8	4194250	5.13E-05	4.54E-05	8.50E-06	7.88E-06	4.68E-06	3.91E-06	5.30E-05	4.55E-05
971	650721.7	4194231	5.20E-05	4.60E-05	8.61E-06	7.98E-06	4.74E-06	3.96E-06	5.36E-05	4.61E-05
972	650735.7	4194211	5.25E-05	4.64E-05	8.70E-06	8.06E-06	4.79E-06	4.00E-06	5.42E-05	4.65E-05
973	650749.6	4194191	5.28E-05	4.67E-05	8.76E-06	8.11E-06	4.82E-06	4.03E-06	5.45E-05	4.69E-05
974	650763.5	4194172	5.31E-05	4.70E-05	8.80E-06	8.15E-06	4.85E-06	4.05E-06	5.48E-05	4.71E-05
975	650805.3	4194112	5.38E-05	4.76E-05	8.92E-06	8.26E-06	4.91E-06	4.10E-06	5.55E-05	4.77E-05
976	650819.3	4194093	5.39E-05	4.77E-05	8.94E-06	8.28E-06	4.92E-06	4.11E-06	5.56E-05	4.78E-05
977	650833.2	4194073	5.38E-05	4.76E-05	8.91E-06	8.26E-06	4.91E-06	4.10E-06	5.55E-05	4.77E-05
978	650847.2	4194053	5.33E-05	4.72E-05	8.84E-06	8.19E-06	4.87E-06	4.06E-06	5.50E-05	4.73E-05
979	650861.1	4194033	5.25E-05	4.64E-05	8.70E-06	8.06E-06	4.79E-06	4.00E-06	5.42E-05	4.66E-05
980	650875	4194014	5.13E-05	4.54E-05	8.50E-06	7.87E-06	4.68E-06	3.91E-06	5.29E-05	4.55E-05
981	650911.9	4193986	4.92E-05	4.35E-05	8.16E-06	7.56E-06	4.49E-06	3.75E-06	5.08E-05	4.37E-05
982	650934.8	4193979	4.85E-05	4.29E-05	8.04E-06	7.45E-06	4.43E-06	3.70E-06	5.01E-05	4.30E-05

983	650957.7	4193971	4.77E-05	4.22E-05	7.90E-06	7.32E-06	4.35E-06	3.63E-06	4.92E-05	4.23E-05
984	650980.5	4193963	4.69E-05	4.15E-05	7.78E-06	7.21E-06	4.28E-06	3.58E-06	4.84E-05	4.16E-05
985	651003.4	4193956	4.65E-05	4.11E-05	7.70E-06	7.13E-06	4.24E-06	3.54E-06	4.79E-05	4.12E-05
986	651026.3	4193948	4.64E-05	4.10E-05	7.69E-06	7.12E-06	4.23E-06	3.53E-06	4.79E-05	4.12E-05
987	651049.2	4193940	4.69E-05	4.14E-05	7.77E-06	7.19E-06	4.28E-06	3.57E-06	4.84E-05	4.16E-05
988	651072.1	4193933	4.79E-05	4.23E-05	7.93E-06	7.35E-06	4.37E-06	3.65E-06	4.94E-05	4.25E-05
989	651095	4193925	4.93E-05	4.36E-05	8.17E-06	7.57E-06	4.50E-06	3.76E-06	5.09E-05	4.37E-05
990	651117.9	4193917	5.10E-05	4.51E-05	8.46E-06	7.83E-06	4.66E-06	3.89E-06	5.27E-05	4.53E-05
991	651140.8	4193909	5.28E-05	4.67E-05	8.75E-06	8.10E-06	4.82E-06	4.02E-06	5.45E-05	4.68E-05
992	651163.7	4193902	5.44E-05	4.81E-05	9.02E-06	8.36E-06	4.97E-06	4.15E-06	5.62E-05	4.83E-05
993	651186.6	4193894	5.57E-05	4.93E-05	9.23E-06	8.55E-06	5.08E-06	4.24E-06	5.75E-05	4.94E-05
994	651209.5	4193886	5.65E-05	5.00E-05	9.36E-06	8.67E-06	5.15E-06	4.30E-06	5.83E-05	5.01E-05
995	651232.4	4193879	5.67E-05	5.01E-05	9.39E-06	8.70E-06	5.17E-06	4.32E-06	5.85E-05	5.03E-05
996	651255.3	4193871	5.69E-05	5.03E-05	9.43E-06	8.74E-06	5.19E-06	4.34E-06	5.87E-05	5.05E-05
997	651278.1	4193863	5.70E-05	5.04E-05	9.45E-06	8.75E-06	5.20E-06	4.34E-06	5.89E-05	5.06E-05
998	650638.1	4194349	4.79E-05	4.23E-05	7.93E-06	7.35E-06	4.37E-06	3.65E-06	4.94E-05	4.25E-05
999	650630.8	4194373	4.82E-05	4.27E-05	8.00E-06	7.41E-06	4.40E-06	3.68E-06	4.98E-05	4.28E-05
1000	650623.6	4194396	4.88E-05	4.32E-05	8.09E-06	7.50E-06	4.46E-06	3.72E-06	5.04E-05	4.33E-05
1001	650616.3	4194420	4.97E-05	4.39E-05	8.24E-06	7.63E-06	4.53E-06	3.79E-06	5.13E-05	4.41E-05
1002	650609.1	4194443	5.09E-05	4.50E-05	8.43E-06	7.81E-06	4.64E-06	3.88E-06	5.25E-05	4.51E-05
1003	650601.8	4194467	5.25E-05	4.64E-05	8.70E-06	8.06E-06	4.79E-06	4.00E-06	5.42E-05	4.66E-05
1004	650594.6	4194490	5.45E-05	4.82E-05	9.04E-06	8.37E-06	4.97E-06	4.15E-06	5.63E-05	4.84E-05
1005	650587.3	4194514	5.70E-05	5.04E-05	9.44E-06	8.74E-06	5.20E-06	4.34E-06	5.88E-05	5.05E-05
1006	650580.1	4194537	5.97E-05	5.28E-05	9.90E-06	9.17E-06	5.45E-06	4.55E-06	6.16E-05	5.30E-05
1007	650572.8	4194561	6.26E-05	5.54E-05	1.04E-05	9.61E-06	5.71E-06	4.77E-06	6.46E-05	5.55E-05
1008	650565.5	4194584	6.55E-05	5.80E-05	1.09E-05	1.01E-05	5.98E-06	4.99E-06	6.76E-05	5.81E-05
1009	650558.3	4194608	6.83E-05	6.04E-05	1.13E-05	1.05E-05	6.23E-06	5.21E-06	7.05E-05	6.06E-05
1010	650551	4194631	7.08E-05	6.26E-05	1.17E-05	1.09E-05	6.46E-06	5.40E-06	7.31E-05	6.28E-05
1011	650543.8	4194655	7.30E-05	6.45E-05	1.21E-05	1.12E-05	6.66E-06	5.56E-06	7.53E-05	6.47E-05
1012	650536.5	4194678	7.47E-05	6.61E-05	1.24E-05	1.15E-05	6.82E-06	5.69E-06	7.71E-05	6.63E-05
1013	650529.3	4194702	7.62E-05	6.74E-05	1.26E-05	1.17E-05	6.95E-06	5.81E-06	7.87E-05	6.76E-05
1014	650461	4194270	3.39E-05	3.00E-05	5.62E-06	5.21E-06	3.10E-06	2.59E-06	3.50E-05	3.01E-05
1015	650475	4194250	3.45E-05	3.05E-05	5.72E-06	5.29E-06	3.15E-06	2.63E-06	3.56E-05	3.06E-05
1016	650489.1	4194231	3.50E-05	3.10E-05	5.81E-06	5.38E-06	3.20E-06	2.67E-06	3.62E-05	3.11E-05
1017	650503.1	4194211	3.56E-05	3.14E-05	5.89E-06	5.46E-06	3.24E-06	2.71E-06	3.67E-05	3.15E-05
1018	650517.1	4194191	3.60E-05	3.19E-05	5.97E-06	5.53E-06	3.29E-06	2.75E-06	3.72E-05	3.20E-05
1019	650531.1	4194171	3.65E-05	3.23E-05	6.05E-06	5.60E-06	3.33E-06	2.78E-06	3.76E-05	3.24E-05
1020	650573.2	4194111	3.72E-05	3.29E-05	6.17E-06	5.72E-06	3.40E-06	2.84E-06	3.84E-05	3.30E-05
1021	650587.2	4194092	3.73E-05	3.30E-05	6.19E-06	5.73E-06	3.41E-06	2.84E-06	3.85E-05	3.31E-05
1022	650601.3	4194072	3.74E-05	3.31E-05	6.20E-06	5.74E-06	3.41E-06	2.85E-06	3.86E-05	3.32E-05
1023	650615.3	4194052	3.75E-05	3.31E-05	6.21E-06	5.75E-06	3.42E-06	2.86E-06	3.87E-05	3.32E-05
1024	650629.3	4194032	3.76E-05	3.33E-05	6.24E-06	5.78E-06	3.43E-06	2.87E-06	3.89E-05	3.34E-05
1025	650643.3	4194012	3.79E-05	3.35E-05	6.28E-06	5.82E-06	3.46E-06	2.89E-06	3.91E-05	3.36E-05
1026	650657.4	4193992	3.82E-05	3.38E-05	6.33E-06	5.86E-06	3.48E-06	2.91E-06	3.94E-05	3.39E-05
1027	650671.4	4193973	3.85E-05	3.41E-05	6.38E-06	5.91E-06	3.51E-06	2.93E-06	3.97E-05	3.42E-05
1028	650685.4	4193953	3.88E-05	3.43E-05	6.42E-06	5.95E-06	3.54E-06	2.95E-06	4.00E-05	3.44E-05
1029	650699.4	4193933	3.89E-05	3.44E-05	6.45E-06	5.97E-06	3.55E-06	2.96E-06	4.01E-05	3.45E-05
1030	650713.5	4193913	3.88E-05	3.44E-05	6.44E-06	5.96E-06	3.54E-06	2.96E-06	4.01E-05	3.45E-05
1031	650727.5	4193893	3.86E-05	3.41E-05	6.39E-06	5.92E-06	3.52E-06	2.94E-06	3.98E-05	3.42E-05
1032	650741.5	4193873	3.81E-05	3.37E-05	6.31E-06	5.85E-06	3.47E-06	2.90E-06	3.93E-05	3.38E-05
1033	650755.5	4193853	3.73E-05	3.30E-05	6.19E-06	5.73E-06	3.41E-06	2.84E-06	3.85E-05	3.31E-05
1034	650792.6	4193826	3.60E-05	3.18E-05	5.96E-06	5.52E-06	3.28E-06	2.74E-06	3.71E-05	3.19E-05
1035	650815.6	4193818	3.54E-05	3.13E-05	5.86E-06	5.43E-06	3.23E-06	2.69E-06	3.65E-05	3.14E-05
1036	650838.7	4193810	3.46E-05	3.06E-05	5.73E-06	5.31E-06	3.15E-06	2.63E-06	3.57E-05	3.07E-05
1037	650861.7	4193803	3.37E-05	2.98E-05	5.59E-06	5.17E-06	3.08E-06	2.57E-06	3.48E-05	2.99E-05
1038	650884.7	4193795	3.29E-05	2.91E-05	5.45E-06	5.05E-06	3.00E-06	2.51E-06	3.40E-05	2.92E-05
1039	650907.8	4193787	3.23E-05	2.85E-05	5.35E-06	4.95E-06	2.94E-06	2.46E-06	3.33E-05	2.86E-05
1040	650930.8	4193779	3.19E-05	2.82E-05	5.29E-06	4.90E-06	2.91E-06	2.43E-06	3.29E-05	2.83E-05

1041	650953.8	4193772	3.20E-05	2.83E-05	5.30E-06	4.91E-06	2.92E-06	2.44E-06	3.30E-05	2.84E-05
1042	650976.9	4193764	3.25E-05	2.87E-05	5.38E-06	4.98E-06	2.96E-06	2.47E-06	3.35E-05	2.88E-05
1043	650999.9	4193756	3.34E-05	2.95E-05	5.54E-06	5.13E-06	3.05E-06	2.54E-06	3.45E-05	2.96E-05
1044	651022.9	4193748	3.47E-05	3.07E-05	5.75E-06	5.33E-06	3.17E-06	2.64E-06	3.58E-05	3.08E-05
1045	651046	4193741	3.63E-05	3.21E-05	6.01E-06	5.57E-06	3.31E-06	2.76E-06	3.74E-05	3.22E-05
1046	651069	4193733	3.79E-05	3.35E-05	6.29E-06	5.82E-06	3.46E-06	2.89E-06	3.91E-05	3.36E-05
1047	651092	4193725	3.95E-05	3.49E-05	6.54E-06	6.06E-06	3.60E-06	3.01E-06	4.08E-05	3.50E-05
1048	651115.1	4193718	4.08E-05	3.61E-05	6.77E-06	6.27E-06	3.72E-06	3.11E-06	4.21E-05	3.62E-05
1049	651138.1	4193710	4.17E-05	3.69E-05	6.92E-06	6.41E-06	3.81E-06	3.18E-06	4.31E-05	3.70E-05
1050	651161.1	4193702	4.22E-05	3.73E-05	7.00E-06	6.48E-06	3.85E-06	3.22E-06	4.36E-05	3.75E-05
1051	651184.2	4193694	4.23E-05	3.74E-05	7.00E-06	6.49E-06	3.86E-06	3.22E-06	4.36E-05	3.75E-05
1052	651207.2	4193687	4.19E-05	3.70E-05	6.94E-06	6.43E-06	3.82E-06	3.19E-06	4.32E-05	3.71E-05
1053	651230.2	4193679	4.12E-05	3.65E-05	6.83E-06	6.33E-06	3.76E-06	3.14E-06	4.26E-05	3.66E-05
1054	651253.3	4193671	4.04E-05	3.58E-05	6.70E-06	6.21E-06	3.69E-06	3.08E-06	4.17E-05	3.59E-05
1055	651276.3	4193663	3.97E-05	3.51E-05	6.58E-06	6.09E-06	3.62E-06	3.02E-06	4.10E-05	3.52E-05
1056	650447	4194290	3.34E-05	2.96E-05	5.54E-06	5.13E-06	3.05E-06	2.55E-06	3.45E-05	2.97E-05
1057	650439.7	4194314	3.35E-05	2.96E-05	5.54E-06	5.14E-06	3.05E-06	2.55E-06	3.45E-05	2.97E-05
1058	650432.5	4194337	3.36E-05	2.98E-05	5.58E-06	5.16E-06	3.07E-06	2.56E-06	3.47E-05	2.98E-05
1059	650425.2	4194361	3.41E-05	3.01E-05	5.65E-06	5.23E-06	3.11E-06	2.60E-06	3.52E-05	3.02E-05
1060	650418	4194384	3.48E-05	3.08E-05	5.77E-06	5.34E-06	3.18E-06	2.65E-06	3.59E-05	3.09E-05
1061	650410.7	4194408	3.58E-05	3.17E-05	5.93E-06	5.50E-06	3.27E-06	2.73E-06	3.69E-05	3.18E-05
1062	650403.5	4194431	3.71E-05	3.28E-05	6.15E-06	5.70E-06	3.38E-06	2.83E-06	3.83E-05	3.29E-05
1063	650396.2	4194455	3.86E-05	3.42E-05	6.40E-06	5.93E-06	3.52E-06	2.94E-06	3.99E-05	3.43E-05
1064	650389	4194478	4.04E-05	3.57E-05	6.69E-06	6.20E-06	3.68E-06	3.08E-06	4.17E-05	3.58E-05
1065	650381.7	4194502	4.22E-05	3.73E-05	7.00E-06	6.48E-06	3.85E-06	3.22E-06	4.36E-05	3.74E-05
1066	650374.4	4194525	4.41E-05	3.90E-05	7.31E-06	6.77E-06	4.02E-06	3.36E-06	4.55E-05	3.91E-05
1067	650367.2	4194549	4.60E-05	4.07E-05	7.62E-06	7.06E-06	4.19E-06	3.50E-06	4.75E-05	4.08E-05
1068	650359.9	4194572	4.78E-05	4.22E-05	7.92E-06	7.33E-06	4.36E-06	3.64E-06	4.93E-05	4.24E-05
1069	650352.7	4194596	4.94E-05	4.37E-05	8.19E-06	7.59E-06	4.51E-06	3.77E-06	5.10E-05	4.38E-05
1070	650345.4	4194619	5.09E-05	4.50E-05	8.43E-06	7.81E-06	4.64E-06	3.88E-06	5.25E-05	4.51E-05
1071	650338.2	4194643	5.21E-05	4.61E-05	8.64E-06	8.00E-06	4.75E-06	3.97E-06	5.38E-05	4.62E-05
1072	650270	4194211	2.53E-05	2.24E-05	4.19E-06	3.88E-06	2.31E-06	1.93E-06	2.61E-05	2.24E-05
1073	650284.1	4194191	2.58E-05	2.28E-05	4.27E-06	3.96E-06	2.35E-06	1.96E-06	2.66E-05	2.29E-05
1074	650298.1	4194171	2.63E-05	2.33E-05	4.36E-06	4.04E-06	2.40E-06	2.00E-06	2.72E-05	2.33E-05
1075	650312.2	4194151	2.69E-05	2.37E-05	4.45E-06	4.12E-06	2.45E-06	2.05E-06	2.77E-05	2.38E-05
1076	650326.3	4194131	2.73E-05	2.42E-05	4.53E-06	4.20E-06	2.50E-06	2.08E-06	2.82E-05	2.43E-05
1077	650340.4	4194111	2.78E-05	2.45E-05	4.60E-06	4.26E-06	2.53E-06	2.11E-06	2.86E-05	2.46E-05
1078	650354.5	4194092	2.81E-05	2.48E-05	4.65E-06	4.31E-06	2.56E-06	2.14E-06	2.90E-05	2.49E-05
1079	650368.5	4194072	2.83E-05	2.50E-05	4.69E-06	4.34E-06	2.58E-06	2.16E-06	2.92E-05	2.51E-05
1080	650382.6	4194052	2.84E-05	2.51E-05	4.71E-06	4.36E-06	2.59E-06	2.17E-06	2.93E-05	2.52E-05
1081	650396.7	4194032	2.85E-05	2.52E-05	4.72E-06	4.37E-06	2.60E-06	2.17E-06	2.94E-05	2.52E-05
1082	650410.8	4194012	2.85E-05	2.52E-05	4.72E-06	4.37E-06	2.60E-06	2.17E-06	2.94E-05	2.52E-05
1083	650424.9	4193992	2.84E-05	2.51E-05	4.71E-06	4.36E-06	2.59E-06	2.17E-06	2.93E-05	2.52E-05
1084	650438.9	4193972	2.84E-05	2.51E-05	4.70E-06	4.36E-06	2.59E-06	2.16E-06	2.93E-05	2.52E-05
1085	650453	4193952	2.83E-05	2.51E-05	4.70E-06	4.35E-06	2.59E-06	2.16E-06	2.93E-05	2.51E-05
1086	650467.1	4193932	2.84E-05	2.51E-05	4.70E-06	4.36E-06	2.59E-06	2.16E-06	2.93E-05	2.52E-05
1087	650481.2	4193912	2.85E-05	2.52E-05	4.72E-06	4.37E-06	2.60E-06	2.17E-06	2.94E-05	2.53E-05
1088	650495.3	4193892	2.87E-05	2.54E-05	4.75E-06	4.40E-06	2.62E-06	2.18E-06	2.96E-05	2.54E-05
1089	650509.3	4193872	2.89E-05	2.56E-05	4.80E-06	4.44E-06	2.64E-06	2.20E-06	2.99E-05	2.57E-05
1090	650523.4	4193852	2.92E-05	2.58E-05	4.84E-06	4.49E-06	2.67E-06	2.23E-06	3.02E-05	2.59E-05
1091	650537.5	4193833	2.95E-05	2.61E-05	4.89E-06	4.53E-06	2.69E-06	2.25E-06	3.05E-05	2.62E-05
1092	650551.6	4193813	2.97E-05	2.63E-05	4.93E-06	4.57E-06	2.71E-06	2.27E-06	3.07E-05	2.64E-05
1093	650565.7	4193793	2.99E-05	2.64E-05	4.96E-06	4.59E-06	2.73E-06	2.28E-06	3.09E-05	2.65E-05
1094	650579.7	4193773	3.00E-05	2.65E-05	4.97E-06	4.60E-06	2.73E-06	2.28E-06	3.09E-05	2.66E-05
1095	650593.8	4193753	2.99E-05	2.65E-05	4.96E-06	4.59E-06	2.73E-06	2.28E-06	3.09E-05	2.65E-05
1096	650607.9	4193733	2.97E-05	2.63E-05	4.93E-06	4.57E-06	2.71E-06	2.27E-06	3.07E-05	2.64E-05
1097	650622	4193713	2.94E-05	2.60E-05	4.88E-06	4.52E-06	2.69E-06	2.24E-06	3.04E-05	2.61E-05
1098	650636.1	4193693	2.90E-05	2.56E-05	4.80E-06	4.45E-06	2.64E-06	2.21E-06	2.99E-05	2.57E-05

1099	650673.3	4193665	2.81E-05	2.48E-05	4.66E-06	4.31E-06	2.56E-06	2.14E-06	2.90E-05	2.49E-05
1100	650696.4	4193658	2.76E-05	2.44E-05	4.58E-06	4.24E-06	2.52E-06	2.11E-06	2.85E-05	2.45E-05
1101	650719.5	4193650	2.70E-05	2.39E-05	4.48E-06	4.15E-06	2.47E-06	2.06E-06	2.79E-05	2.40E-05
1102	650742.6	4193642	2.63E-05	2.33E-05	4.36E-06	4.04E-06	2.40E-06	2.01E-06	2.72E-05	2.33E-05
1103	650765.8	4193634	2.56E-05	2.26E-05	4.24E-06	3.92E-06	2.33E-06	1.95E-06	2.64E-05	2.27E-05
1104	650788.9	4193627	2.48E-05	2.19E-05	4.11E-06	3.81E-06	2.26E-06	1.89E-06	2.56E-05	2.20E-05
1105	650812	4193619	2.42E-05	2.14E-05	4.01E-06	3.71E-06	2.21E-06	1.84E-06	2.50E-05	2.14E-05
1106	650835.1	4193611	2.37E-05	2.10E-05	3.94E-06	3.65E-06	2.17E-06	1.81E-06	2.45E-05	2.11E-05
1107	650858.3	4193603	2.36E-05	2.08E-05	3.91E-06	3.62E-06	2.15E-06	1.80E-06	2.43E-05	2.09E-05
1108	650881.4	4193595	2.37E-05	2.10E-05	3.93E-06	3.64E-06	2.17E-06	1.81E-06	2.45E-05	2.11E-05
1109	650904.5	4193588	2.43E-05	2.14E-05	4.02E-06	3.72E-06	2.21E-06	1.85E-06	2.50E-05	2.15E-05
1110	650927.6	4193580	2.51E-05	2.22E-05	4.16E-06	3.85E-06	2.29E-06	1.91E-06	2.59E-05	2.23E-05
1111	650950.8	4193572	2.63E-05	2.32E-05	4.35E-06	4.03E-06	2.40E-06	2.00E-06	2.71E-05	2.33E-05
1112	650973.9	4193564	2.76E-05	2.44E-05	4.58E-06	4.24E-06	2.52E-06	2.11E-06	2.85E-05	2.45E-05
1113	650997	4193557	2.91E-05	2.57E-05	4.82E-06	4.47E-06	2.66E-06	2.22E-06	3.00E-05	2.58E-05
1114	651020.1	4193549	3.06E-05	2.70E-05	5.06E-06	4.69E-06	2.79E-06	2.33E-06	3.15E-05	2.71E-05
1115	651043.3	4193541	3.18E-05	2.82E-05	5.28E-06	4.89E-06	2.90E-06	2.43E-06	3.29E-05	2.82E-05
1116	651066.4	4193533	3.29E-05	2.90E-05	5.44E-06	5.04E-06	3.00E-06	2.50E-06	3.39E-05	2.91E-05
1117	651089.5	4193526	3.35E-05	2.96E-05	5.55E-06	5.14E-06	3.06E-06	2.55E-06	3.46E-05	2.97E-05
1118	651112.7	4193518	3.38E-05	2.98E-05	5.59E-06	5.18E-06	3.08E-06	2.57E-06	3.48E-05	2.99E-05
1119	651135.8	4193510	3.36E-05	2.97E-05	5.57E-06	5.16E-06	3.07E-06	2.56E-06	3.47E-05	2.98E-05
1120	651158.9	4193502	3.32E-05	2.93E-05	5.49E-06	5.09E-06	3.02E-06	2.53E-06	3.42E-05	2.94E-05
1121	651182	4193494	3.24E-05	2.86E-05	5.37E-06	4.97E-06	2.96E-06	2.47E-06	3.34E-05	2.87E-05
1122	651205.2	4193487	3.15E-05	2.78E-05	5.22E-06	4.83E-06	2.87E-06	2.40E-06	3.25E-05	2.79E-05
1123	651228.3	4193479	3.05E-05	2.70E-05	5.06E-06	4.69E-06	2.79E-06	2.33E-06	3.15E-05	2.71E-05
1124	651251.4	4193471	2.97E-05	2.62E-05	4.92E-06	4.55E-06	2.71E-06	2.26E-06	3.06E-05	2.63E-05
1125	651274.5	4193463	2.89E-05	2.56E-05	4.80E-06	4.44E-06	2.64E-06	2.21E-06	2.99E-05	2.57E-05
1126	650255.9	4194231	2.49E-05	2.20E-05	4.12E-06	3.82E-06	2.27E-06	1.89E-06	2.57E-05	2.21E-05
1127	650248.6	4194255	2.49E-05	2.20E-05	4.12E-06	3.82E-06	2.27E-06	1.89E-06	2.57E-05	2.20E-05
1128	650241.4	4194278	2.50E-05	2.21E-05	4.14E-06	3.84E-06	2.28E-06	1.90E-06	2.58E-05	2.22E-05
1129	650234.1	4194302	2.53E-05	2.24E-05	4.20E-06	3.89E-06	2.31E-06	1.93E-06	2.61E-05	2.25E-05
1130	650226.9	4194325	2.59E-05	2.29E-05	4.29E-06	3.97E-06	2.36E-06	1.97E-06	2.67E-05	2.30E-05
1131	650219.6	4194349	2.66E-05	2.35E-05	4.41E-06	4.09E-06	2.43E-06	2.03E-06	2.75E-05	2.36E-05
1132	650212.4	4194372	2.75E-05	2.43E-05	4.56E-06	4.23E-06	2.51E-06	2.10E-06	2.84E-05	2.44E-05
1133	650205.1	4194396	2.86E-05	2.53E-05	4.74E-06	4.39E-06	2.61E-06	2.18E-06	2.95E-05	2.53E-05
1134	650197.9	4194419	2.97E-05	2.63E-05	4.93E-06	4.56E-06	2.71E-06	2.27E-06	3.07E-05	2.64E-05
1135	650190.6	4194443	3.10E-05	2.74E-05	5.13E-06	4.75E-06	2.83E-06	2.36E-06	3.20E-05	2.75E-05
1136	650183.3	4194466	3.22E-05	2.85E-05	5.34E-06	4.95E-06	2.94E-06	2.46E-06	3.33E-05	2.86E-05
1137	650176.1	4194490	3.35E-05	2.96E-05	5.55E-06	5.14E-06	3.06E-06	2.55E-06	3.46E-05	2.97E-05
1138	650168.8	4194513	3.48E-05	3.07E-05	5.76E-06	5.33E-06	3.17E-06	2.65E-06	3.59E-05	3.08E-05
1139	650161.6	4194537	3.60E-05	3.18E-05	5.96E-06	5.52E-06	3.28E-06	2.74E-06	3.71E-05	3.19E-05
1140	650154.3	4194560	3.71E-05	3.28E-05	6.15E-06	5.69E-06	3.38E-06	2.82E-06	3.83E-05	3.29E-05
1141	650147.1	4194584	3.81E-05	3.37E-05	6.32E-06	5.85E-06	3.48E-06	2.90E-06	3.93E-05	3.38E-05
1142	650093	4194132	2.00E-05	1.77E-05	3.32E-06	3.08E-06	1.83E-06	1.53E-06	2.07E-05	1.78E-05
1143	650107.2	4194112	2.05E-05	1.81E-05	3.40E-06	3.14E-06	1.87E-06	1.56E-06	2.11E-05	1.82E-05
1144	650121.3	4194092	2.10E-05	1.85E-05	3.48E-06	3.22E-06	1.91E-06	1.60E-06	2.16E-05	1.86E-05
1145	650135.4	4194072	2.15E-05	1.90E-05	3.56E-06	3.30E-06	1.96E-06	1.64E-06	2.22E-05	1.90E-05
1146	650149.5	4194052	2.19E-05	1.94E-05	3.64E-06	3.37E-06	2.00E-06	1.67E-06	2.26E-05	1.95E-05
1147	650163.6	4194032	2.23E-05	1.98E-05	3.70E-06	3.43E-06	2.04E-06	1.70E-06	2.31E-05	1.98E-05
1148	650177.8	4194012	2.27E-05	2.00E-05	3.76E-06	3.48E-06	2.07E-06	1.73E-06	2.34E-05	2.01E-05
1149	650191.9	4193992	2.29E-05	2.02E-05	3.79E-06	3.51E-06	2.09E-06	1.74E-06	2.36E-05	2.03E-05
1150	650206	4193972	2.30E-05	2.03E-05	3.81E-06	3.53E-06	2.10E-06	1.75E-06	2.37E-05	2.04E-05
1151	650220.1	4193952	2.30E-05	2.03E-05	3.81E-06	3.53E-06	2.10E-06	1.75E-06	2.37E-05	2.04E-05
1152	650234.2	4193932	2.29E-05	2.03E-05	3.80E-06	3.52E-06	2.09E-06	1.75E-06	2.37E-05	2.03E-05
1153	650248.3	4193912	2.28E-05	2.02E-05	3.78E-06	3.50E-06	2.08E-06	1.74E-06	2.36E-05	2.02E-05
1154	650262.5	4193892	2.27E-05	2.01E-05	3.76E-06	3.49E-06	2.07E-06	1.73E-06	2.34E-05	2.01E-05
1155	650276.6	4193872	2.26E-05	2.00E-05	3.75E-06	3.47E-06	2.06E-06	1.72E-06	2.33E-05	2.00E-05
1156	650290.7	4193852	2.25E-05	1.99E-05	3.73E-06	3.46E-06	2.06E-06	1.72E-06	2.33E-05	2.00E-05

1157	650304.8	4193832	2.25E-05	1.99E-05	3.73E-06	3.45E-06	2.05E-06	1.71E-06	2.32E-05	2.00E-05
1158	650318.9	4193812	2.25E-05	1.99E-05	3.73E-06	3.46E-06	2.06E-06	1.72E-06	2.33E-05	2.00E-05
1159	650333.1	4193792	2.26E-05	2.00E-05	3.75E-06	3.47E-06	2.06E-06	1.72E-06	2.34E-05	2.01E-05
1160	650347.2	4193772	2.28E-05	2.01E-05	3.77E-06	3.50E-06	2.08E-06	1.73E-06	2.35E-05	2.02E-05
1161	650361.3	4193752	2.30E-05	2.03E-05	3.81E-06	3.53E-06	2.10E-06	1.75E-06	2.37E-05	2.04E-05
1162	650375.4	4193733	2.32E-05	2.05E-05	3.84E-06	3.56E-06	2.12E-06	1.77E-06	2.39E-05	2.06E-05
1163	650389.5	4193713	2.34E-05	2.07E-05	3.88E-06	3.60E-06	2.14E-06	1.78E-06	2.42E-05	2.08E-05
1164	650403.6	4193693	2.36E-05	2.09E-05	3.92E-06	3.63E-06	2.16E-06	1.80E-06	2.44E-05	2.10E-05
1165	650417.8	4193673	2.38E-05	2.11E-05	3.95E-06	3.66E-06	2.17E-06	1.81E-06	2.46E-05	2.11E-05
1166	650431.9	4193653	2.40E-05	2.12E-05	3.97E-06	3.68E-06	2.19E-06	1.83E-06	2.47E-05	2.13E-05
1167	650446	4193633	2.41E-05	2.13E-05	3.99E-06	3.70E-06	2.20E-06	1.83E-06	2.48E-05	2.14E-05
1168	650460.1	4193613	2.41E-05	2.13E-05	4.00E-06	3.70E-06	2.20E-06	1.84E-06	2.49E-05	2.14E-05
1169	650474.2	4193593	2.41E-05	2.13E-05	3.99E-06	3.70E-06	2.20E-06	1.84E-06	2.49E-05	2.14E-05
1170	650488.4	4193573	2.40E-05	2.12E-05	3.98E-06	3.68E-06	2.19E-06	1.83E-06	2.48E-05	2.13E-05
1171	650502.5	4193553	2.38E-05	2.11E-05	3.95E-06	3.66E-06	2.17E-06	1.81E-06	2.46E-05	2.11E-05
1172	650516.6	4193533	2.35E-05	2.08E-05	3.90E-06	3.61E-06	2.15E-06	1.79E-06	2.43E-05	2.09E-05
1173	650553.9	4193505	2.29E-05	2.03E-05	3.80E-06	3.52E-06	2.09E-06	1.75E-06	2.37E-05	2.03E-05
1174	650577.1	4193497	2.26E-05	2.00E-05	3.75E-06	3.47E-06	2.06E-06	1.72E-06	2.33E-05	2.01E-05
1175	650600.3	4193489	2.22E-05	1.96E-05	3.67E-06	3.40E-06	2.02E-06	1.69E-06	2.29E-05	1.97E-05
1176	650623.5	4193482	2.16E-05	1.91E-05	3.58E-06	3.32E-06	1.97E-06	1.65E-06	2.23E-05	1.92E-05
1177	650646.7	4193474	2.10E-05	1.85E-05	3.48E-06	3.22E-06	1.91E-06	1.60E-06	2.16E-05	1.86E-05
1178	650669.9	4193466	2.03E-05	1.80E-05	3.37E-06	3.12E-06	1.85E-06	1.55E-06	2.10E-05	1.80E-05
1179	650693	4193458	1.97E-05	1.74E-05	3.26E-06	3.02E-06	1.79E-06	1.50E-06	2.03E-05	1.74E-05
1180	650716.2	4193450	1.91E-05	1.69E-05	3.16E-06	2.93E-06	1.74E-06	1.45E-06	1.97E-05	1.69E-05
1181	650739.4	4193443	1.86E-05	1.65E-05	3.09E-06	2.86E-06	1.70E-06	1.42E-06	1.92E-05	1.65E-05
1182	650762.6	4193435	1.84E-05	1.62E-05	3.04E-06	2.82E-06	1.68E-06	1.40E-06	1.90E-05	1.63E-05
1183	650785.8	4193427	1.83E-05	1.62E-05	3.04E-06	2.82E-06	1.67E-06	1.40E-06	1.89E-05	1.63E-05
1184	650809	4193419	1.86E-05	1.64E-05	3.08E-06	2.85E-06	1.70E-06	1.42E-06	1.92E-05	1.65E-05
1185	650832.2	4193411	1.91E-05	1.69E-05	3.16E-06	2.93E-06	1.74E-06	1.45E-06	1.97E-05	1.69E-05
1186	650855.4	4193404	1.99E-05	1.76E-05	3.29E-06	3.05E-06	1.81E-06	1.51E-06	2.05E-05	1.76E-05
1187	650878.6	4193396	2.09E-05	1.84E-05	3.46E-06	3.20E-06	1.90E-06	1.59E-06	2.15E-05	1.85E-05
1188	650901.7	4193388	2.20E-05	1.95E-05	3.65E-06	3.38E-06	2.01E-06	1.68E-06	2.28E-05	1.96E-05
1189	650924.9	4193380	2.33E-05	2.06E-05	3.87E-06	3.58E-06	2.13E-06	1.78E-06	2.41E-05	2.07E-05
1190	650948.1	4193372	2.46E-05	2.18E-05	4.08E-06	3.78E-06	2.25E-06	1.88E-06	2.54E-05	2.18E-05
1191	650971.3	4193365	2.58E-05	2.29E-05	4.28E-06	3.97E-06	2.36E-06	1.97E-06	2.67E-05	2.29E-05
1192	650994.5	4193357	2.69E-05	2.38E-05	4.45E-06	4.13E-06	2.45E-06	2.05E-06	2.77E-05	2.38E-05
1193	651017.7	4193349	2.76E-05	2.44E-05	4.58E-06	4.24E-06	2.52E-06	2.11E-06	2.85E-05	2.45E-05
1194	651040.9	4193341	2.81E-05	2.49E-05	4.66E-06	4.32E-06	2.57E-06	2.14E-06	2.90E-05	2.49E-05
1195	651064.1	4193334	2.83E-05	2.50E-05	4.68E-06	4.34E-06	2.58E-06	2.15E-06	2.92E-05	2.51E-05
1196	651087.3	4193326	2.81E-05	2.48E-05	4.65E-06	4.31E-06	2.56E-06	2.14E-06	2.90E-05	2.49E-05
1197	651110.5	4193318	2.76E-05	2.44E-05	4.58E-06	4.24E-06	2.52E-06	2.10E-06	2.85E-05	2.45E-05
1198	651133.6	4193310	2.69E-05	2.38E-05	4.46E-06	4.13E-06	2.46E-06	2.05E-06	2.78E-05	2.39E-05
1199	651156.8	4193302	2.61E-05	2.30E-05	4.32E-06	4.00E-06	2.38E-06	1.99E-06	2.69E-05	2.31E-05
1200	651180	4193295	2.51E-05	2.22E-05	4.17E-06	3.86E-06	2.29E-06	1.92E-06	2.60E-05	2.23E-05
1201	651203.2	4193287	2.42E-05	2.14E-05	4.02E-06	3.72E-06	2.21E-06	1.85E-06	2.50E-05	2.15E-05
1202	651226.4	4193279	2.34E-05	2.07E-05	3.88E-06	3.59E-06	2.14E-06	1.78E-06	2.42E-05	2.08E-05
1203	651249.6	4193271	2.27E-05	2.01E-05	3.77E-06	3.49E-06	2.07E-06	1.73E-06	2.35E-05	2.02E-05
1204	651272.8	4193263	2.22E-05	1.97E-05	3.68E-06	3.41E-06	2.03E-06	1.69E-06	2.29E-05	1.97E-05
1205	650064.8	4194172	1.94E-05	1.72E-05	3.22E-06	2.98E-06	1.77E-06	1.48E-06	2.01E-05	1.72E-05
1206	650057.5	4194196	1.95E-05	1.72E-05	3.23E-06	2.99E-06	1.78E-06	1.48E-06	2.01E-05	1.73E-05
1207	650050.3	4194219	1.97E-05	1.74E-05	3.26E-06	3.02E-06	1.79E-06	1.50E-06	2.03E-05	1.74E-05
1208	650043	4194243	2.00E-05	1.77E-05	3.31E-06	3.07E-06	1.82E-06	1.52E-06	2.06E-05	1.77E-05
1209	650035.8	4194266	2.04E-05	1.81E-05	3.39E-06	3.14E-06	1.86E-06	1.56E-06	2.11E-05	1.81E-05
1210	650028.5	4194290	2.10E-05	1.86E-05	3.48E-06	3.23E-06	1.92E-06	1.60E-06	2.17E-05	1.86E-05
1211	650021.3	4194313	2.17E-05	1.92E-05	3.59E-06	3.33E-06	1.98E-06	1.65E-06	2.24E-05	1.92E-05
1212	650014	4194337	2.24E-05	1.98E-05	3.72E-06	3.44E-06	2.05E-06	1.71E-06	2.32E-05	1.99E-05
1213	650006.8	4194360	2.32E-05	2.06E-05	3.85E-06	3.57E-06	2.12E-06	1.77E-06	2.40E-05	2.06E-05
1214	649999.5	4194384	2.41E-05	2.13E-05	3.99E-06	3.70E-06	2.20E-06	1.83E-06	2.49E-05	2.14E-05

1215	649992.3	4194407	2.50E-05	2.21E-05	4.14E-06	3.83E-06	2.28E-06	1.90E-06	2.58E-05	2.22E-05
1216	649985	4194431	2.59E-05	2.29E-05	4.29E-06	3.97E-06	2.36E-06	1.97E-06	2.67E-05	2.29E-05
1217	649977.7	4194454	2.67E-05	2.37E-05	4.43E-06	4.11E-06	2.44E-06	2.04E-06	2.76E-05	2.37E-05
1218	649970.5	4194478	2.76E-05	2.44E-05	4.58E-06	4.24E-06	2.52E-06	2.10E-06	2.85E-05	2.45E-05
1219	649963.2	4194501	2.85E-05	2.52E-05	4.72E-06	4.37E-06	2.60E-06	2.17E-06	2.94E-05	2.52E-05
1220	649956	4194525	2.93E-05	2.59E-05	4.85E-06	4.49E-06	2.67E-06	2.23E-06	3.02E-05	2.60E-05
1221	649887.9	4194093	1.59E-05	1.41E-05	2.64E-06	2.45E-06	1.45E-06	1.21E-06	1.65E-05	1.41E-05
1222	649902	4194073	1.61E-05	1.43E-05	2.68E-06	2.48E-06	1.47E-06	1.23E-06	1.67E-05	1.43E-05
1223	649916.1	4194053	1.64E-05	1.45E-05	2.73E-06	2.53E-06	1.50E-06	1.25E-06	1.70E-05	1.46E-05
1224	649930.3	4194033	1.68E-05	1.49E-05	2.79E-06	2.58E-06	1.54E-06	1.28E-06	1.74E-05	1.49E-05
1225	649944.4	4194013	1.73E-05	1.53E-05	2.86E-06	2.65E-06	1.57E-06	1.31E-06	1.78E-05	1.53E-05
1226	649958.6	4193993	1.77E-05	1.57E-05	2.93E-06	2.72E-06	1.61E-06	1.35E-06	1.83E-05	1.57E-05
1227	649972.7	4193973	1.81E-05	1.60E-05	3.01E-06	2.79E-06	1.66E-06	1.38E-06	1.87E-05	1.61E-05
1228	649986.9	4193953	1.86E-05	1.64E-05	3.08E-06	2.85E-06	1.69E-06	1.41E-06	1.92E-05	1.65E-05
1229	650001	4193933	1.89E-05	1.67E-05	3.13E-06	2.90E-06	1.72E-06	1.44E-06	1.95E-05	1.67E-05
1230	650015.2	4193913	1.91E-05	1.69E-05	3.17E-06	2.94E-06	1.74E-06	1.46E-06	1.97E-05	1.70E-05
1231	650029.3	4193893	1.93E-05	1.70E-05	3.19E-06	2.96E-06	1.76E-06	1.47E-06	1.99E-05	1.71E-05
1232	650043.5	4193873	1.93E-05	1.71E-05	3.20E-06	2.96E-06	1.76E-06	1.47E-06	1.99E-05	1.71E-05
1233	650057.6	4193853	1.92E-05	1.70E-05	3.19E-06	2.95E-06	1.76E-06	1.47E-06	1.99E-05	1.71E-05
1234	650071.8	4193833	1.91E-05	1.69E-05	3.17E-06	2.94E-06	1.74E-06	1.46E-06	1.97E-05	1.70E-05
1235	650085.9	4193813	1.90E-05	1.68E-05	3.14E-06	2.91E-06	1.73E-06	1.44E-06	1.96E-05	1.68E-05
1236	650100.1	4193793	1.88E-05	1.66E-05	3.12E-06	2.89E-06	1.71E-06	1.43E-06	1.94E-05	1.67E-05
1237	650114.2	4193773	1.86E-05	1.65E-05	3.09E-06	2.86E-06	1.70E-06	1.42E-06	1.92E-05	1.65E-05
1238	650128.4	4193753	1.85E-05	1.64E-05	3.07E-06	2.84E-06	1.69E-06	1.41E-06	1.91E-05	1.64E-05
1239	650142.5	4193733	1.85E-05	1.63E-05	3.06E-06	2.84E-06	1.69E-06	1.41E-06	1.91E-05	1.64E-05
1240	650156.6	4193713	1.85E-05	1.63E-05	3.06E-06	2.84E-06	1.69E-06	1.41E-06	1.91E-05	1.64E-05
1241	650170.8	4193693	1.85E-05	1.64E-05	3.07E-06	2.84E-06	1.69E-06	1.41E-06	1.91E-05	1.64E-05
1242	650184.9	4193673	1.86E-05	1.65E-05	3.09E-06	2.86E-06	1.70E-06	1.42E-06	1.92E-05	1.65E-05
1243	650199.1	4193653	1.87E-05	1.66E-05	3.11E-06	2.88E-06	1.71E-06	1.43E-06	1.94E-05	1.66E-05
1244	650213.2	4193633	1.89E-05	1.67E-05	3.13E-06	2.90E-06	1.72E-06	1.44E-06	1.95E-05	1.68E-05
1245	650227.4	4193613	1.91E-05	1.69E-05	3.16E-06	2.93E-06	1.74E-06	1.45E-06	1.97E-05	1.69E-05
1246	650241.5	4193593	1.92E-05	1.70E-05	3.19E-06	2.95E-06	1.75E-06	1.47E-06	1.98E-05	1.71E-05
1247	650255.7	4193573	1.94E-05	1.71E-05	3.21E-06	2.97E-06	1.77E-06	1.48E-06	2.00E-05	1.72E-05
1248	650269.8	4193552	1.95E-05	1.73E-05	3.24E-06	3.00E-06	1.78E-06	1.49E-06	2.01E-05	1.73E-05
1249	650284	4193532	1.97E-05	1.74E-05	3.26E-06	3.02E-06	1.79E-06	1.50E-06	2.03E-05	1.74E-05
1250	650298.1	4193512	1.98E-05	1.75E-05	3.28E-06	3.03E-06	1.80E-06	1.51E-06	2.04E-05	1.75E-05
1251	650312.3	4193492	1.99E-05	1.76E-05	3.29E-06	3.05E-06	1.81E-06	1.51E-06	2.05E-05	1.76E-05
1252	650326.4	4193472	2.00E-05	1.76E-05	3.31E-06	3.06E-06	1.82E-06	1.52E-06	2.06E-05	1.77E-05
1253	650340.6	4193452	2.00E-05	1.77E-05	3.32E-06	3.07E-06	1.83E-06	1.52E-06	2.07E-05	1.78E-05
1254	650354.7	4193432	2.00E-05	1.77E-05	3.32E-06	3.07E-06	1.83E-06	1.53E-06	2.07E-05	1.78E-05
1255	650368.9	4193412	2.00E-05	1.77E-05	3.31E-06	3.07E-06	1.82E-06	1.52E-06	2.06E-05	1.77E-05
1256	650383	4193392	1.99E-05	1.76E-05	3.30E-06	3.05E-06	1.81E-06	1.51E-06	2.05E-05	1.76E-05
1257	650397.1	4193372	1.97E-05	1.74E-05	3.26E-06	3.02E-06	1.80E-06	1.50E-06	2.03E-05	1.75E-05
1258	650434.5	4193344	1.93E-05	1.70E-05	3.20E-06	2.96E-06	1.76E-06	1.47E-06	1.99E-05	1.71E-05
1259	650457.8	4193337	1.91E-05	1.68E-05	3.16E-06	2.92E-06	1.74E-06	1.45E-06	1.97E-05	1.69E-05
1260	650481	4193329	1.87E-05	1.65E-05	3.10E-06	2.87E-06	1.71E-06	1.43E-06	1.93E-05	1.66E-05
1261	650504.2	4193321	1.83E-05	1.62E-05	3.03E-06	2.81E-06	1.67E-06	1.39E-06	1.89E-05	1.62E-05
1262	650527.5	4193313	1.78E-05	1.57E-05	2.95E-06	2.73E-06	1.62E-06	1.36E-06	1.84E-05	1.58E-05
1263	650550.7	4193305	1.73E-05	1.53E-05	2.86E-06	2.65E-06	1.57E-06	1.31E-06	1.78E-05	1.53E-05
1264	650573.9	4193298	1.67E-05	1.48E-05	2.77E-06	2.56E-06	1.52E-06	1.27E-06	1.72E-05	1.48E-05
1265	650597.2	4193290	1.61E-05	1.43E-05	2.68E-06	2.48E-06	1.47E-06	1.23E-06	1.67E-05	1.43E-05
1266	650620.4	4193282	1.56E-05	1.38E-05	2.59E-06	2.40E-06	1.43E-06	1.19E-06	1.61E-05	1.39E-05
1267	650643.7	4193274	1.52E-05	1.35E-05	2.52E-06	2.34E-06	1.39E-06	1.16E-06	1.57E-05	1.35E-05
1268	650666.9	4193266	1.49E-05	1.32E-05	2.47E-06	2.29E-06	1.36E-06	1.14E-06	1.54E-05	1.32E-05
1269	650690.1	4193259	1.48E-05	1.31E-05	2.45E-06	2.27E-06	1.35E-06	1.13E-06	1.53E-05	1.31E-05
1270	650713.4	4193251	1.48E-05	1.31E-05	2.46E-06	2.28E-06	1.35E-06	1.13E-06	1.53E-05	1.32E-05
1271	650736.6	4193243	1.51E-05	1.34E-05	2.50E-06	2.32E-06	1.38E-06	1.15E-06	1.56E-05	1.34E-05
1272	650759.8	4193235	1.56E-05	1.38E-05	2.58E-06	2.39E-06	1.42E-06	1.19E-06	1.61E-05	1.38E-05

1273	650783.1	4193227	1.63E-05	1.44E-05	2.69E-06	2.50E-06	1.48E-06	1.24E-06	1.68E-05	1.44E-05
1274	650806.3	4193220	1.71E-05	1.52E-05	2.84E-06	2.63E-06	1.56E-06	1.31E-06	1.77E-05	1.52E-05
1275	650829.6	4193212	1.81E-05	1.60E-05	3.01E-06	2.79E-06	1.66E-06	1.38E-06	1.87E-05	1.61E-05
1276	650852.8	4193204	1.93E-05	1.70E-05	3.19E-06	2.96E-06	1.76E-06	1.47E-06	1.99E-05	1.71E-05
1277	650876	4193196	2.04E-05	1.80E-05	3.38E-06	3.13E-06	1.86E-06	1.56E-06	2.11E-05	1.81E-05
1278	650899.3	4193188	2.15E-05	1.90E-05	3.57E-06	3.30E-06	1.96E-06	1.64E-06	2.22E-05	1.91E-05
1279	650922.5	4193181	2.25E-05	1.99E-05	3.73E-06	3.46E-06	2.05E-06	1.72E-06	2.32E-05	2.00E-05
1280	650945.7	4193173	2.33E-05	2.06E-05	3.87E-06	3.58E-06	2.13E-06	1.78E-06	2.41E-05	2.07E-05
1281	650969	4193165	2.40E-05	2.12E-05	3.97E-06	3.68E-06	2.19E-06	1.83E-06	2.47E-05	2.13E-05
1282	650992.2	4193157	2.43E-05	2.15E-05	4.03E-06	3.74E-06	2.22E-06	1.85E-06	2.51E-05	2.16E-05
1283	651015.4	4193149	2.44E-05	2.16E-05	4.05E-06	3.75E-06	2.23E-06	1.86E-06	2.52E-05	2.16E-05
1284	651038.7	4193141	2.42E-05	2.14E-05	4.01E-06	3.72E-06	2.21E-06	1.84E-06	2.50E-05	2.15E-05
1285	651061.9	4193134	2.38E-05	2.10E-05	3.94E-06	3.65E-06	2.17E-06	1.81E-06	2.45E-05	2.11E-05
1286	651085.2	4193126	2.31E-05	2.05E-05	3.84E-06	3.55E-06	2.11E-06	1.76E-06	2.39E-05	2.05E-05
1287	651108.4	4193118	2.24E-05	1.98E-05	3.71E-06	3.43E-06	2.04E-06	1.70E-06	2.31E-05	1.98E-05
1288	651131.6	4193110	2.15E-05	1.90E-05	3.57E-06	3.30E-06	1.96E-06	1.64E-06	2.22E-05	1.91E-05
1289	651154.9	4193102	2.07E-05	1.83E-05	3.42E-06	3.17E-06	1.89E-06	1.57E-06	2.13E-05	1.83E-05
1290	651178.1	4193095	1.98E-05	1.75E-05	3.29E-06	3.04E-06	1.81E-06	1.51E-06	2.05E-05	1.76E-05
1291	651201.3	4193087	1.91E-05	1.69E-05	3.17E-06	2.93E-06	1.74E-06	1.46E-06	1.97E-05	1.70E-05
1292	651224.6	4193079	1.85E-05	1.64E-05	3.07E-06	2.84E-06	1.69E-06	1.41E-06	1.91E-05	1.64E-05
1293	651247.8	4193071	1.81E-05	1.60E-05	2.99E-06	2.77E-06	1.65E-06	1.38E-06	1.86E-05	1.60E-05
1294	651271	4193063	1.77E-05	1.57E-05	2.94E-06	2.72E-06	1.62E-06	1.35E-06	1.83E-05	1.57E-05
1295	649873.7	4194113	1.58E-05	1.40E-05	2.62E-06	2.43E-06	1.44E-06	1.21E-06	1.63E-05	1.40E-05
1296	649866.4	4194137	1.59E-05	1.41E-05	2.64E-06	2.44E-06	1.45E-06	1.21E-06	1.64E-05	1.41E-05
1297	649851.9	4194184	1.64E-05	1.45E-05	2.72E-06	2.52E-06	1.50E-06	1.25E-06	1.70E-05	1.46E-05
1298	649844.7	4194207	1.68E-05	1.49E-05	2.79E-06	2.58E-06	1.53E-06	1.28E-06	1.73E-05	1.49E-05
1299	649837.4	4194231	1.73E-05	1.53E-05	2.86E-06	2.65E-06	1.58E-06	1.32E-06	1.78E-05	1.53E-05
1300	649830.2	4194254	1.78E-05	1.57E-05	2.95E-06	2.73E-06	1.62E-06	1.35E-06	1.84E-05	1.58E-05
1301	649822.9	4194278	1.83E-05	1.62E-05	3.04E-06	2.82E-06	1.67E-06	1.40E-06	1.89E-05	1.63E-05
1302	649815.7	4194301	1.89E-05	1.67E-05	3.14E-06	2.90E-06	1.73E-06	1.44E-06	1.95E-05	1.68E-05
1303	649808.4	4194325	1.95E-05	1.73E-05	3.24E-06	3.00E-06	1.78E-06	1.49E-06	2.01E-05	1.73E-05
1304	649801.2	4194348	2.01E-05	1.78E-05	3.34E-06	3.09E-06	1.84E-06	1.53E-06	2.08E-05	1.79E-05
1305	649793.9	4194372	2.08E-05	1.84E-05	3.45E-06	3.19E-06	1.90E-06	1.58E-06	2.15E-05	1.84E-05
1306	649786.6	4194395	2.14E-05	1.90E-05	3.55E-06	3.29E-06	1.96E-06	1.63E-06	2.21E-05	1.90E-05
1307	649779.4	4194419	2.21E-05	1.95E-05	3.66E-06	3.39E-06	2.01E-06	1.68E-06	2.28E-05	1.96E-05
1308	649772.1	4194442	2.27E-05	2.01E-05	3.76E-06	3.49E-06	2.07E-06	1.73E-06	2.34E-05	2.01E-05
1309	649764.9	4194466	2.33E-05	2.06E-05	3.87E-06	3.58E-06	2.13E-06	1.78E-06	2.41E-05	2.07E-05
1310	651022.4	4194931	4.80E-04	4.25E-04	7.96E-05	7.38E-05	4.38E-05	3.66E-05	4.96E-04	4.26E-04
1311	650998.7	4195043	4.02E-04	3.55E-04	6.66E-05	6.17E-05	3.67E-05	3.06E-05	4.15E-04	3.56E-04
1312	650990.8	4195001	3.99E-04	3.52E-04	6.61E-05	6.12E-05	3.64E-05	3.04E-05	4.11E-04	3.54E-04
1313	650982.9	4194960	3.90E-04	3.45E-04	6.46E-05	5.98E-05	3.56E-05	2.97E-05	4.02E-04	3.46E-04
1314	650975	4194918	3.74E-04	3.31E-04	6.21E-05	5.75E-05	3.42E-05	2.85E-05	3.86E-04	3.32E-04
1315	651161.2	4195181	3.83E-04	3.39E-04	6.35E-05	5.88E-05	3.49E-05	2.92E-05	3.95E-04	3.40E-04
1316	651003.1	4195112	3.76E-04	3.33E-04	6.24E-05	5.77E-05	3.43E-05	2.87E-05	3.88E-04	3.34E-04
1317	650959.5	4195074	3.33E-04	2.94E-04	5.51E-05	5.11E-05	3.03E-05	2.53E-05	3.43E-04	2.95E-04
1318	650951.5	4195031	3.30E-04	2.91E-04	5.46E-05	5.06E-05	3.01E-05	2.51E-05	3.40E-04	2.92E-04
1319	650943.5	4194989	3.23E-04	2.86E-04	5.35E-05	4.96E-05	2.95E-05	2.46E-05	3.33E-04	2.86E-04
1320	650935.5	4194947	3.13E-04	2.77E-04	5.19E-05	4.80E-05	2.86E-05	2.38E-05	3.23E-04	2.78E-04
1321	650927.5	4194904	2.99E-04	2.64E-04	4.95E-05	4.58E-05	2.72E-05	2.28E-05	3.08E-04	2.65E-04
1322	651167.5	4195281	2.35E-04	2.08E-04	3.90E-05	3.61E-05	2.15E-05	1.79E-05	2.43E-04	2.09E-04
1323	651127.2	4195263	2.77E-04	2.45E-04	4.59E-05	4.25E-05	2.52E-05	2.11E-05	2.86E-04	2.45E-04
1324	651006.3	4195210	3.14E-04	2.78E-04	5.20E-05	4.82E-05	2.86E-05	2.39E-05	3.24E-04	2.78E-04
1325	650881.3	4195136	2.40E-04	2.12E-04	3.98E-05	3.69E-05	2.19E-05	1.83E-05	2.48E-04	2.13E-04
1326	650873.1	4195093	2.38E-04	2.10E-04	3.94E-05	3.65E-05	2.17E-05	1.81E-05	2.45E-04	2.11E-04
1327	650864.9	4195049	2.33E-04	2.06E-04	3.86E-05	3.58E-05	2.13E-05	1.78E-05	2.41E-04	2.07E-04
1328	650856.8	4195006	2.28E-04	2.02E-04	3.78E-05	3.50E-05	2.08E-05	1.74E-05	2.35E-04	2.02E-04
1329	650848.6	4194963	2.22E-04	1.96E-04	3.68E-05	3.41E-05	2.02E-05	1.69E-05	2.29E-04	1.97E-04
1330	650840.4	4194920	2.14E-04	1.89E-04	3.54E-05	3.28E-05	1.95E-05	1.63E-05	2.20E-04	1.89E-04

1331	650824.1	4194833	1.92E-04	1.70E-04	3.19E-05	2.95E-05	1.75E-05	1.46E-05	1.98E-04	1.70E-04
1332	651092.7	4195344	2.10E-04	1.86E-04	3.49E-05	3.23E-05	1.92E-05	1.60E-05	2.17E-04	1.87E-04
1333	650970.3	4195291	2.46E-04	2.18E-04	4.08E-05	3.78E-05	2.24E-05	1.87E-05	2.54E-04	2.18E-04
1334	650929.5	4195273	2.36E-04	2.09E-04	3.91E-05	3.62E-05	2.15E-05	1.80E-05	2.43E-04	2.09E-04
1335	650888.7	4195255	2.20E-04	1.95E-04	3.65E-05	3.38E-05	2.01E-05	1.68E-05	2.27E-04	1.95E-04
1336	650847.9	4195238	2.02E-04	1.78E-04	3.34E-05	3.10E-05	1.84E-05	1.54E-05	2.08E-04	1.79E-04
1337	650803	4195198	1.83E-04	1.62E-04	3.03E-05	2.80E-05	1.67E-05	1.39E-05	1.89E-04	1.62E-04
1338	650794.7	4195154	1.81E-04	1.60E-04	3.00E-05	2.78E-05	1.65E-05	1.38E-05	1.87E-04	1.60E-04
1339	650786.5	4195110	1.77E-04	1.57E-04	2.94E-05	2.72E-05	1.62E-05	1.35E-05	1.83E-04	1.57E-04
1340	650778.2	4195067	1.74E-04	1.54E-04	2.88E-05	2.67E-05	1.59E-05	1.33E-05	1.80E-04	1.54E-04
1341	650770	4195023	1.71E-04	1.51E-04	2.83E-05	2.62E-05	1.56E-05	1.30E-05	1.76E-04	1.52E-04
1342	650761.7	4194979	1.67E-04	1.48E-04	2.77E-05	2.57E-05	1.53E-05	1.28E-05	1.73E-04	1.48E-04
1343	650753.4	4194935	1.62E-04	1.44E-04	2.69E-05	2.49E-05	1.48E-05	1.24E-05	1.68E-04	1.44E-04
1344	650745.2	4194892	1.56E-04	1.38E-04	2.59E-05	2.40E-05	1.42E-05	1.19E-05	1.61E-04	1.39E-04
1345	650736.9	4194848	1.49E-04	1.31E-04	2.46E-05	2.28E-05	1.36E-05	1.13E-05	1.53E-04	1.32E-04
1346	650728.6	4194804	1.39E-04	1.23E-04	2.30E-05	2.13E-05	1.27E-05	1.06E-05	1.44E-04	1.23E-04
1347	651281.1	4195403	1.02E-04	9.04E-05	1.69E-05	1.57E-05	9.33E-06	7.79E-06	1.06E-04	9.07E-05
1348	651303.9	4195402	9.79E-05	8.66E-05	1.62E-05	1.50E-05	8.94E-06	7.46E-06	1.01E-04	8.69E-05
1349	651463.6	4195390	8.95E-05	7.91E-05	1.48E-05	1.37E-05	8.17E-06	6.82E-06	9.24E-05	7.94E-05
1350	651486.4	4195388	9.06E-05	8.01E-05	1.50E-05	1.39E-05	8.26E-06	6.90E-06	9.35E-05	8.03E-05
1351	651222.3	4195497	8.58E-05	7.59E-05	1.42E-05	1.32E-05	7.83E-06	6.54E-06	8.85E-05	7.61E-05
1352	651181.2	4195479	1.00E-04	8.86E-05	1.66E-05	1.54E-05	9.14E-06	7.63E-06	1.03E-04	8.89E-05
1353	651099	4195444	1.43E-04	1.26E-04	2.37E-05	2.19E-05	1.30E-05	1.09E-05	1.47E-04	1.27E-04
1354	651057.9	4195426	1.66E-04	1.47E-04	2.76E-05	2.55E-05	1.52E-05	1.27E-05	1.72E-04	1.47E-04
1355	650934.5	4195372	1.98E-04	1.75E-04	3.28E-05	3.04E-05	1.81E-05	1.51E-05	2.04E-04	1.76E-04
1356	650893.4	4195354	1.93E-04	1.70E-04	3.19E-05	2.96E-05	1.76E-05	1.47E-05	1.99E-04	1.71E-04
1357	650852.3	4195336	1.83E-04	1.62E-04	3.03E-05	2.81E-05	1.67E-05	1.39E-05	1.89E-04	1.62E-04
1358	650811.2	4195318	1.71E-04	1.51E-04	2.83E-05	2.62E-05	1.56E-05	1.30E-05	1.76E-04	1.51E-04
1359	650770.1	4195300	1.58E-04	1.39E-04	2.61E-05	2.42E-05	1.44E-05	1.20E-05	1.63E-04	1.40E-04
1360	650724.8	4195260	1.44E-04	1.28E-04	2.39E-05	2.22E-05	1.32E-05	1.10E-05	1.49E-04	1.28E-04
1361	650716.4	4195216	1.43E-04	1.27E-04	2.37E-05	2.20E-05	1.31E-05	1.09E-05	1.48E-04	1.27E-04
1362	650708.1	4195172	1.41E-04	1.24E-04	2.33E-05	2.16E-05	1.28E-05	1.07E-05	1.45E-04	1.25E-04
1363	650699.8	4195128	1.38E-04	1.22E-04	2.28E-05	2.12E-05	1.26E-05	1.05E-05	1.42E-04	1.22E-04
1364	650695.6	4195106	1.37E-04	1.21E-04	2.26E-05	2.10E-05	1.25E-05	1.04E-05	1.41E-04	1.21E-04
1365	650687.3	4195062	1.35E-04	1.19E-04	2.23E-05	2.07E-05	1.23E-05	1.03E-05	1.39E-04	1.20E-04
1366	650679	4195018	1.33E-04	1.18E-04	2.21E-05	2.05E-05	1.22E-05	1.02E-05	1.38E-04	1.18E-04
1367	650670.6	4194973	1.31E-04	1.16E-04	2.17E-05	2.01E-05	1.19E-05	9.97E-06	1.35E-04	1.16E-04
1368	650662.3	4194929	1.27E-04	1.12E-04	2.11E-05	1.95E-05	1.16E-05	9.68E-06	1.31E-04	1.13E-04
1369	650654	4194885	1.22E-04	1.08E-04	2.02E-05	1.87E-05	1.11E-05	9.30E-06	1.26E-04	1.08E-04
1370	650645.6	4194841	1.16E-04	1.02E-04	1.92E-05	1.78E-05	1.06E-05	8.83E-06	1.20E-04	1.03E-04
1371	650637.3	4194797	1.09E-04	9.60E-05	1.80E-05	1.67E-05	9.90E-06	8.27E-06	1.12E-04	9.63E-05
1372	651265.7	4195505	7.71E-05	6.82E-05	1.28E-05	1.18E-05	7.04E-06	5.88E-06	7.96E-05	6.84E-05
1373	651288.5	4195503	7.45E-05	6.59E-05	1.23E-05	1.14E-05	6.80E-06	5.68E-06	7.69E-05	6.61E-05
1374	651311.3	4195501	7.21E-05	6.38E-05	1.20E-05	1.11E-05	6.58E-06	5.50E-06	7.45E-05	6.40E-05
1375	651334.2	4195500	7.01E-05	6.20E-05	1.16E-05	1.08E-05	6.40E-06	5.34E-06	7.23E-05	6.22E-05
1376	651357	4195498	6.84E-05	6.05E-05	1.13E-05	1.05E-05	6.24E-06	5.21E-06	7.06E-05	6.07E-05
1377	651379.8	4195496	6.72E-05	5.94E-05	1.11E-05	1.03E-05	6.13E-06	5.12E-06	6.94E-05	5.96E-05
1378	651402.6	4195494	6.65E-05	5.88E-05	1.10E-05	1.02E-05	6.07E-06	5.07E-06	6.86E-05	5.90E-05
1379	651425.4	4195493	6.64E-05	5.87E-05	1.10E-05	1.02E-05	6.06E-06	5.06E-06	6.85E-05	5.89E-05
1380	651448.2	4195491	6.69E-05	5.92E-05	1.11E-05	1.03E-05	6.10E-06	5.10E-06	6.90E-05	5.93E-05
1381	651471	4195489	6.79E-05	6.00E-05	1.13E-05	1.04E-05	6.20E-06	5.17E-06	7.01E-05	6.02E-05
1382	651493.9	4195488	6.92E-05	6.12E-05	1.15E-05	1.06E-05	6.31E-06	5.27E-06	7.14E-05	6.14E-05
1383	651229.7	4195597	6.42E-05	5.68E-05	1.06E-05	9.86E-06	5.86E-06	4.89E-06	6.63E-05	5.70E-05
1384	651209	4195588	6.79E-05	6.00E-05	1.13E-05	1.04E-05	6.20E-06	5.17E-06	7.01E-05	6.02E-05
1385	651188.3	4195579	7.22E-05	6.38E-05	1.20E-05	1.11E-05	6.59E-06	5.50E-06	7.45E-05	6.40E-05
1386	651167.6	4195570	7.73E-05	6.84E-05	1.28E-05	1.19E-05	7.05E-06	5.89E-06	7.98E-05	6.86E-05
1387	651147	4195561	8.33E-05	7.37E-05	1.38E-05	1.28E-05	7.60E-06	6.35E-06	8.60E-05	7.39E-05
1388	651126.3	4195552	9.04E-05	8.00E-05	1.50E-05	1.39E-05	8.25E-06	6.89E-06	9.33E-05	8.02E-05

1389	651105.6	4195543	9.85E-05	8.71E-05	1.63E-05	1.51E-05	8.99E-06	7.51E-06	1.02E-04	8.74E-05
1390	651084.9	4195534	1.07E-04	9.50E-05	1.78E-05	1.65E-05	9.80E-06	8.19E-06	1.11E-04	9.53E-05
1391	651064.3	4195525	1.17E-04	1.03E-04	1.94E-05	1.79E-05	1.07E-05	8.90E-06	1.21E-04	1.04E-04
1392	651043.6	4195516	1.26E-04	1.12E-04	2.09E-05	1.94E-05	1.15E-05	9.62E-06	1.30E-04	1.12E-04
1393	650919.5	4195462	1.62E-04	1.43E-04	2.69E-05	2.49E-05	1.48E-05	1.24E-05	1.67E-04	1.44E-04
1394	650898.9	4195453	1.63E-04	1.44E-04	2.70E-05	2.50E-05	1.49E-05	1.24E-05	1.68E-04	1.44E-04
1395	650878.2	4195444	1.62E-04	1.43E-04	2.69E-05	2.49E-05	1.48E-05	1.24E-05	1.67E-04	1.44E-04
1396	650857.5	4195435	1.60E-04	1.42E-04	2.66E-05	2.46E-05	1.46E-05	1.22E-05	1.65E-04	1.42E-04
1397	650836.8	4195426	1.58E-04	1.39E-04	2.61E-05	2.42E-05	1.44E-05	1.20E-05	1.63E-04	1.40E-04
1398	650816.2	4195417	1.54E-04	1.36E-04	2.55E-05	2.36E-05	1.41E-05	1.17E-05	1.59E-04	1.37E-04
1399	650795.5	4195408	1.50E-04	1.33E-04	2.49E-05	2.30E-05	1.37E-05	1.14E-05	1.55E-04	1.33E-04
1400	650774.8	4195399	1.46E-04	1.29E-04	2.42E-05	2.24E-05	1.33E-05	1.11E-05	1.50E-04	1.29E-04
1401	650754.1	4195389	1.41E-04	1.25E-04	2.34E-05	2.17E-05	1.29E-05	1.08E-05	1.46E-04	1.25E-04
1402	650733.5	4195380	1.37E-04	1.21E-04	2.26E-05	2.10E-05	1.25E-05	1.04E-05	1.41E-04	1.21E-04
1403	650712.8	4195371	1.32E-04	1.17E-04	2.19E-05	2.03E-05	1.20E-05	1.01E-05	1.36E-04	1.17E-04
1404	650692.1	4195362	1.27E-04	1.12E-04	2.11E-05	1.95E-05	1.16E-05	9.69E-06	1.31E-04	1.13E-04
1405	650671.4	4195353	1.22E-04	1.08E-04	2.03E-05	1.88E-05	1.12E-05	9.33E-06	1.26E-04	1.09E-04
1406	650646.6	4195322	1.18E-04	1.04E-04	1.95E-05	1.81E-05	1.07E-05	8.96E-06	1.21E-04	1.04E-04
1407	650638.2	4195278	1.17E-04	1.03E-04	1.93E-05	1.79E-05	1.06E-05	8.89E-06	1.20E-04	1.04E-04
1408	650634	4195256	1.16E-04	1.02E-04	1.92E-05	1.78E-05	1.06E-05	8.83E-06	1.20E-04	1.03E-04
1409	650625.6	4195211	1.14E-04	1.01E-04	1.88E-05	1.75E-05	1.04E-05	8.66E-06	1.17E-04	1.01E-04
1410	650621.4	4195189	1.13E-04	9.96E-05	1.87E-05	1.73E-05	1.03E-05	8.58E-06	1.16E-04	9.99E-05
1411	650613	4195145	1.11E-04	9.79E-05	1.83E-05	1.70E-05	1.01E-05	8.43E-06	1.14E-04	9.82E-05
1412	650608.9	4195123	1.10E-04	9.73E-05	1.82E-05	1.69E-05	1.00E-05	8.38E-06	1.14E-04	9.76E-05
1413	650600.5	4195078	1.09E-04	9.66E-05	1.81E-05	1.68E-05	9.97E-06	8.33E-06	1.13E-04	9.69E-05
1414	650596.3	4195056	1.09E-04	9.64E-05	1.81E-05	1.67E-05	9.94E-06	8.30E-06	1.12E-04	9.67E-05
1415	650587.9	4195012	1.08E-04	9.55E-05	1.79E-05	1.66E-05	9.86E-06	8.23E-06	1.12E-04	9.58E-05
1416	650583.7	4194990	1.07E-04	9.48E-05	1.78E-05	1.65E-05	9.78E-06	8.17E-06	1.11E-04	9.51E-05
1417	650575.3	4194945	1.04E-04	9.23E-05	1.73E-05	1.60E-05	9.52E-06	7.95E-06	1.08E-04	9.26E-05
1418	650571.2	4194923	1.03E-04	9.07E-05	1.70E-05	1.57E-05	9.36E-06	7.81E-06	1.06E-04	9.10E-05
1419	650562.8	4194879	9.82E-05	8.68E-05	1.63E-05	1.51E-05	8.96E-06	7.48E-06	1.01E-04	8.71E-05
1420	650558.6	4194857	9.57E-05	8.47E-05	1.59E-05	1.47E-05	8.74E-06	7.29E-06	9.88E-05	8.49E-05
1421	650550.2	4194812	9.03E-05	7.99E-05	1.50E-05	1.39E-05	8.24E-06	6.88E-06	9.32E-05	8.01E-05
1422	650546	4194790	8.75E-05	7.74E-05	1.45E-05	1.34E-05	7.98E-06	6.67E-06	9.03E-05	7.76E-05
1423	650537.6	4194746	8.18E-05	7.23E-05	1.36E-05	1.26E-05	7.46E-06	6.23E-06	8.44E-05	7.26E-05
1424	651250.3	4195606	6.10E-05	5.39E-05	1.01E-05	9.36E-06	5.57E-06	4.65E-06	6.30E-05	5.41E-05
1425	651273.2	4195604	5.93E-05	5.25E-05	9.83E-06	9.11E-06	5.41E-06	4.52E-06	6.12E-05	5.26E-05
1426	651296	4195603	5.77E-05	5.10E-05	9.56E-06	8.86E-06	5.26E-06	4.40E-06	5.95E-05	5.12E-05
1427	651318.8	4195601	5.61E-05	4.96E-05	9.30E-06	8.61E-06	5.12E-06	4.28E-06	5.79E-05	4.98E-05
1428	651341.6	4195599	5.46E-05	4.83E-05	9.05E-06	8.38E-06	4.98E-06	4.16E-06	5.63E-05	4.84E-05
1429	651364.4	4195598	5.33E-05	4.71E-05	8.83E-06	8.18E-06	4.86E-06	4.06E-06	5.50E-05	4.73E-05
1430	651119.4	4195742	5.36E-05	4.74E-05	8.89E-06	8.23E-06	4.89E-06	4.09E-06	5.53E-05	4.76E-05
1431	651098.6	4195733	5.71E-05	5.05E-05	9.46E-06	8.77E-06	5.21E-06	4.35E-06	5.89E-05	5.06E-05
1432	651077.8	4195724	6.13E-05	5.42E-05	1.02E-05	9.40E-06	5.59E-06	4.67E-06	6.32E-05	5.43E-05
1433	650786.1	4195596	1.16E-04	1.03E-04	1.93E-05	1.79E-05	1.06E-05	8.86E-06	1.20E-04	1.03E-04
1434	650765.2	4195587	1.15E-04	1.02E-04	1.91E-05	1.77E-05	1.05E-05	8.78E-06	1.19E-04	1.02E-04
1435	650744.4	4195578	1.14E-04	1.01E-04	1.89E-05	1.75E-05	1.04E-05	8.67E-06	1.17E-04	1.01E-04
1436	650723.5	4195569	1.12E-04	9.89E-05	1.85E-05	1.72E-05	1.02E-05	8.52E-06	1.15E-04	9.92E-05
1437	650702.7	4195560	1.10E-04	9.70E-05	1.82E-05	1.68E-05	1.00E-05	8.36E-06	1.13E-04	9.73E-05
1438	650681.9	4195551	1.07E-04	9.49E-05	1.78E-05	1.65E-05	9.79E-06	8.17E-06	1.11E-04	9.52E-05
1439	650661	4195542	1.05E-04	9.26E-05	1.74E-05	1.61E-05	9.56E-06	7.98E-06	1.08E-04	9.29E-05
1440	650640.2	4195533	1.02E-04	9.03E-05	1.69E-05	1.57E-05	9.32E-06	7.78E-06	1.05E-04	9.06E-05
1441	650619.4	4195524	9.95E-05	8.80E-05	1.65E-05	1.53E-05	9.07E-06	7.58E-06	1.03E-04	8.82E-05
1442	650598.5	4195515	9.68E-05	8.56E-05	1.60E-05	1.49E-05	8.83E-06	7.38E-06	9.99E-05	8.59E-05
1443	650577.7	4195505	9.42E-05	8.33E-05	1.56E-05	1.45E-05	8.59E-06	7.17E-06	9.72E-05	8.35E-05
1444	650556.9	4195496	9.15E-05	8.09E-05	1.52E-05	1.40E-05	8.35E-06	6.97E-06	9.45E-05	8.12E-05
1445	650536	4195487	8.89E-05	7.86E-05	1.47E-05	1.36E-05	8.11E-06	6.77E-06	9.17E-05	7.88E-05
1446	650515.2	4195478	8.62E-05	7.63E-05	1.43E-05	1.32E-05	7.87E-06	6.57E-06	8.90E-05	7.65E-05

1447	650490.1	4195447	8.36E-05	7.39E-05	1.39E-05	1.28E-05	7.62E-06	6.37E-06	8.63E-05	7.41E-05
1448	650481.7	4195402	8.30E-05	7.34E-05	1.38E-05	1.27E-05	7.57E-06	6.32E-06	8.57E-05	7.36E-05
1449	650477.5	4195380	8.25E-05	7.29E-05	1.37E-05	1.27E-05	7.53E-06	6.28E-06	8.51E-05	7.32E-05
1450	650469	4195335	8.11E-05	7.17E-05	1.34E-05	1.25E-05	7.40E-06	6.18E-06	8.37E-05	7.20E-05
1451	650464.8	4195313	8.04E-05	7.11E-05	1.33E-05	1.23E-05	7.33E-06	6.12E-06	8.29E-05	7.13E-05
1452	650456.4	4195268	7.89E-05	6.98E-05	1.31E-05	1.21E-05	7.20E-06	6.01E-06	8.14E-05	7.00E-05
1453	650452.1	4195246	7.83E-05	6.93E-05	1.30E-05	1.20E-05	7.15E-06	5.97E-06	8.08E-05	6.95E-05
1454	650443.7	4195201	7.76E-05	6.86E-05	1.29E-05	1.19E-05	7.08E-06	5.91E-06	8.01E-05	6.88E-05
1455	650439.5	4195179	7.75E-05	6.85E-05	1.28E-05	1.19E-05	7.07E-06	5.90E-06	8.00E-05	6.87E-05
1456	650431	4195134	7.77E-05	6.87E-05	1.29E-05	1.19E-05	7.09E-06	5.92E-06	8.02E-05	6.89E-05
1457	650426.8	4195112	7.78E-05	6.88E-05	1.29E-05	1.19E-05	7.10E-06	5.93E-06	8.03E-05	6.90E-05
1458	650418.4	4195067	7.78E-05	6.88E-05	1.29E-05	1.19E-05	7.10E-06	5.93E-06	8.03E-05	6.90E-05
1459	650414.2	4195045	7.75E-05	6.86E-05	1.29E-05	1.19E-05	7.08E-06	5.91E-06	8.00E-05	6.88E-05
1460	650405.7	4195000	7.62E-05	6.74E-05	1.26E-05	1.17E-05	6.95E-06	5.81E-06	7.87E-05	6.76E-05
1461	650401.5	4194978	7.51E-05	6.64E-05	1.25E-05	1.15E-05	6.85E-06	5.72E-06	7.75E-05	6.66E-05
1462	650393	4194933	7.24E-05	6.41E-05	1.20E-05	1.11E-05	6.61E-06	5.52E-06	7.48E-05	6.43E-05
1463	650388.8	4194911	7.09E-05	6.27E-05	1.18E-05	1.09E-05	6.47E-06	5.40E-06	7.32E-05	6.29E-05
1464	650384.6	4194888	6.93E-05	6.13E-05	1.15E-05	1.06E-05	6.32E-06	5.28E-06	7.15E-05	6.15E-05
1465	650376.2	4194844	6.60E-05	5.84E-05	1.09E-05	1.01E-05	6.02E-06	5.03E-06	6.82E-05	5.86E-05
1466	650371.9	4194821	6.44E-05	5.70E-05	1.07E-05	9.89E-06	5.88E-06	4.91E-06	6.65E-05	5.72E-05
1467	650363.5	4194777	6.14E-05	5.43E-05	1.02E-05	9.43E-06	5.60E-06	4.68E-06	6.34E-05	5.45E-05
1468	650359.3	4194754	6.00E-05	5.30E-05	9.94E-06	9.21E-06	5.47E-06	4.57E-06	6.19E-05	5.32E-05
1469	650350.8	4194710	5.71E-05	5.05E-05	9.46E-06	8.76E-06	5.21E-06	4.35E-06	5.89E-05	5.06E-05
1470	650346.6	4194687	5.55E-05	4.91E-05	9.21E-06	8.53E-06	5.07E-06	4.23E-06	5.73E-05	4.93E-05
1471	651265.3	4195806	4.06E-05	3.59E-05	6.72E-06	6.23E-06	3.70E-06	3.09E-06	4.19E-05	3.60E-05
1472	651288.1	4195804	3.96E-05	3.50E-05	6.56E-06	6.08E-06	3.61E-06	3.02E-06	4.09E-05	3.51E-05
1473	651310.9	4195802	3.85E-05	3.41E-05	6.39E-06	5.92E-06	3.52E-06	2.94E-06	3.98E-05	3.42E-05
1474	651333.7	4195800	3.74E-05	3.31E-05	6.20E-06	5.75E-06	3.41E-06	2.85E-06	3.86E-05	3.32E-05
1475	651356.5	4195799	3.64E-05	3.22E-05	6.03E-06	5.58E-06	3.32E-06	2.77E-06	3.75E-05	3.23E-05
1476	651379.4	4195797	3.55E-05	3.14E-05	5.88E-06	5.45E-06	3.24E-06	2.70E-06	3.66E-05	3.15E-05
1477	651402.2	4195795	3.49E-05	3.09E-05	5.78E-06	5.36E-06	3.18E-06	2.66E-06	3.60E-05	3.10E-05
1478	651425	4195794	3.47E-05	3.07E-05	5.75E-06	5.32E-06	3.16E-06	2.64E-06	3.58E-05	3.07E-05
1479	651447.8	4195792	3.48E-05	3.08E-05	5.77E-06	5.35E-06	3.18E-06	2.65E-06	3.60E-05	3.09E-05
1480	651470.6	4195790	3.54E-05	3.13E-05	5.87E-06	5.43E-06	3.23E-06	2.70E-06	3.65E-05	3.14E-05
1481	651493.4	4195788	3.63E-05	3.21E-05	6.02E-06	5.57E-06	3.31E-06	2.77E-06	3.75E-05	3.22E-05
1482	651259.3	4195996	3.08E-05	2.72E-05	5.10E-06	4.72E-06	2.81E-06	2.34E-06	3.18E-05	2.73E-05
1483	651238.3	4195987	3.18E-05	2.81E-05	5.27E-06	4.88E-06	2.90E-06	2.42E-06	3.28E-05	2.82E-05
1484	651217.4	4195978	3.26E-05	2.88E-05	5.41E-06	5.01E-06	2.98E-06	2.49E-06	3.37E-05	2.89E-05
1485	651196.4	4195968	3.34E-05	2.95E-05	5.53E-06	5.12E-06	3.05E-06	2.54E-06	3.45E-05	2.96E-05
1486	651175.5	4195959	3.41E-05	3.01E-05	5.65E-06	5.23E-06	3.11E-06	2.60E-06	3.52E-05	3.02E-05
1487	651154.6	4195950	3.48E-05	3.08E-05	5.77E-06	5.34E-06	3.17E-06	2.65E-06	3.59E-05	3.09E-05
1488	651133.6	4195941	3.56E-05	3.15E-05	5.91E-06	5.47E-06	3.25E-06	2.71E-06	3.68E-05	3.16E-05
1489	651112.7	4195932	3.67E-05	3.24E-05	6.08E-06	5.63E-06	3.35E-06	2.79E-06	3.79E-05	3.25E-05
1490	651091.7	4195923	3.80E-05	3.36E-05	6.31E-06	5.84E-06	3.47E-06	2.90E-06	3.93E-05	3.37E-05
1491	651070.8	4195914	3.98E-05	3.52E-05	6.60E-06	6.11E-06	3.63E-06	3.03E-06	4.11E-05	3.53E-05
1492	651049.9	4195904	4.20E-05	3.71E-05	6.96E-06	6.45E-06	3.83E-06	3.20E-06	4.33E-05	3.73E-05
1493	651028.9	4195895	4.47E-05	3.95E-05	7.40E-06	6.86E-06	4.08E-06	3.40E-06	4.61E-05	3.96E-05
1494	651008	4195886	4.78E-05	4.23E-05	7.93E-06	7.34E-06	4.36E-06	3.64E-06	4.94E-05	4.24E-05
1495	650987.1	4195877	5.14E-05	4.54E-05	8.51E-06	7.89E-06	4.69E-06	3.91E-06	5.30E-05	4.56E-05
1496	650966.1	4195868	5.53E-05	4.89E-05	9.16E-06	8.48E-06	5.04E-06	4.21E-06	5.70E-05	4.90E-05
1497	650673	4195740	8.77E-05	7.76E-05	1.45E-05	1.35E-05	8.01E-06	6.69E-06	9.06E-05	7.78E-05
1498	650652	4195731	8.68E-05	7.68E-05	1.44E-05	1.33E-05	7.92E-06	6.62E-06	8.96E-05	7.70E-05
1499	650631.1	4195722	8.57E-05	7.58E-05	1.42E-05	1.32E-05	7.82E-06	6.53E-06	8.84E-05	7.60E-05
1500	650610.2	4195713	8.44E-05	7.46E-05	1.40E-05	1.29E-05	7.70E-06	6.43E-06	8.71E-05	7.48E-05
1501	650589.2	4195703	8.29E-05	7.33E-05	1.37E-05	1.27E-05	7.56E-06	6.31E-06	8.55E-05	7.35E-05
1502	650568.3	4195694	8.13E-05	7.19E-05	1.35E-05	1.25E-05	7.42E-06	6.19E-06	8.39E-05	7.21E-05
1503	650547.4	4195685	7.96E-05	7.04E-05	1.32E-05	1.22E-05	7.27E-06	6.07E-06	8.22E-05	7.06E-05
1504	650526.4	4195676	7.79E-05	6.89E-05	1.29E-05	1.20E-05	7.11E-06	5.94E-06	8.04E-05	6.91E-05

1505	650505.5	4195667	7.62E-05	6.74E-05	1.26E-05	1.17E-05	6.96E-06	5.81E-06	7.87E-05	6.76E-05
1506	650484.5	4195658	7.46E-05	6.59E-05	1.24E-05	1.14E-05	6.80E-06	5.68E-06	7.70E-05	6.61E-05
1507	650463.6	4195649	7.29E-05	6.45E-05	1.21E-05	1.12E-05	6.65E-06	5.56E-06	7.53E-05	6.47E-05
1508	650442.7	4195639	7.13E-05	6.31E-05	1.18E-05	1.09E-05	6.51E-06	5.43E-06	7.36E-05	6.33E-05
1509	650421.7	4195630	6.97E-05	6.17E-05	1.16E-05	1.07E-05	6.36E-06	5.31E-06	7.20E-05	6.19E-05
1510	650400.8	4195621	6.81E-05	6.03E-05	1.13E-05	1.05E-05	6.22E-06	5.19E-06	7.03E-05	6.04E-05
1511	650379.8	4195612	6.66E-05	5.89E-05	1.10E-05	1.02E-05	6.07E-06	5.07E-06	6.87E-05	5.90E-05
1512	650358.9	4195603	6.50E-05	5.74E-05	1.08E-05	9.97E-06	5.93E-06	4.95E-06	6.70E-05	5.76E-05
1513	650333.7	4195571	6.33E-05	5.60E-05	1.05E-05	9.72E-06	5.78E-06	4.82E-06	6.53E-05	5.61E-05
1514	650329.5	4195549	6.32E-05	5.59E-05	1.05E-05	9.70E-06	5.76E-06	4.81E-06	6.52E-05	5.60E-05
1515	650325.2	4195526	6.29E-05	5.56E-05	1.04E-05	9.66E-06	5.74E-06	4.79E-06	6.50E-05	5.58E-05
1516	650321	4195504	6.26E-05	5.53E-05	1.04E-05	9.61E-06	5.71E-06	4.77E-06	6.46E-05	5.55E-05
1517	650316.8	4195481	6.22E-05	5.50E-05	1.03E-05	9.54E-06	5.67E-06	4.74E-06	6.42E-05	5.51E-05
1518	650312.5	4195459	6.17E-05	5.45E-05	1.02E-05	9.47E-06	5.63E-06	4.70E-06	6.36E-05	5.47E-05
1519	650308.3	4195437	6.11E-05	5.41E-05	1.01E-05	9.38E-06	5.58E-06	4.66E-06	6.31E-05	5.42E-05
1520	650304	4195414	6.06E-05	5.36E-05	1.00E-05	9.30E-06	5.53E-06	4.62E-06	6.25E-05	5.37E-05
1521	650299.8	4195392	6.01E-05	5.31E-05	9.96E-06	9.22E-06	5.48E-06	4.58E-06	6.20E-05	5.33E-05
1522	650295.5	4195369	5.96E-05	5.27E-05	9.88E-06	9.15E-06	5.44E-06	4.54E-06	6.15E-05	5.28E-05
1523	650287.1	4195324	5.88E-05	5.20E-05	9.75E-06	9.03E-06	5.37E-06	4.48E-06	6.07E-05	5.22E-05
1524	650282.8	4195302	5.86E-05	5.18E-05	9.71E-06	9.00E-06	5.35E-06	4.47E-06	6.05E-05	5.20E-05
1525	650278.6	4195279	5.85E-05	5.17E-05	9.70E-06	8.98E-06	5.34E-06	4.46E-06	6.04E-05	5.19E-05
1526	650274.3	4195257	5.85E-05	5.17E-05	9.70E-06	8.98E-06	5.34E-06	4.46E-06	6.04E-05	5.19E-05
1527	650270.1	4195235	5.86E-05	5.18E-05	9.71E-06	9.00E-06	5.35E-06	4.47E-06	6.05E-05	5.20E-05
1528	650265.9	4195212	5.88E-05	5.20E-05	9.75E-06	9.03E-06	5.36E-06	4.48E-06	6.07E-05	5.22E-05
1529	650261.6	4195190	5.90E-05	5.22E-05	9.79E-06	9.06E-06	5.39E-06	4.50E-06	6.09E-05	5.24E-05
1530	650257.4	4195167	5.93E-05	5.24E-05	9.83E-06	9.10E-06	5.41E-06	4.52E-06	6.12E-05	5.26E-05
1531	650253.1	4195145	5.95E-05	5.26E-05	9.86E-06	9.13E-06	5.43E-06	4.53E-06	6.14E-05	5.28E-05
1532	650244.6	4195100	5.95E-05	5.27E-05	9.87E-06	9.14E-06	5.43E-06	4.54E-06	6.15E-05	5.28E-05
1533	650240.4	4195077	5.93E-05	5.25E-05	9.83E-06	9.11E-06	5.41E-06	4.52E-06	6.12E-05	5.26E-05
1534	650236.2	4195055	5.89E-05	5.21E-05	9.76E-06	9.04E-06	5.37E-06	4.49E-06	6.08E-05	5.22E-05
1535	650231.9	4195032	5.83E-05	5.15E-05	9.66E-06	8.94E-06	5.32E-06	4.44E-06	6.01E-05	5.17E-05
1536	650227.7	4195010	5.75E-05	5.08E-05	9.52E-06	8.82E-06	5.24E-06	4.38E-06	5.93E-05	5.10E-05
1537	650223.4	4194988	5.65E-05	4.99E-05	9.36E-06	8.67E-06	5.15E-06	4.30E-06	5.83E-05	5.01E-05
1538	650219.2	4194965	5.54E-05	4.90E-05	9.18E-06	8.50E-06	5.05E-06	4.22E-06	5.71E-05	4.91E-05
1539	650214.9	4194943	5.42E-05	4.79E-05	8.98E-06	8.32E-06	4.94E-06	4.13E-06	5.59E-05	4.81E-05
1540	650210.7	4194920	5.30E-05	4.69E-05	8.79E-06	8.14E-06	4.84E-06	4.04E-06	5.47E-05	4.70E-05
1541	650202.2	4194875	5.09E-05	4.50E-05	8.43E-06	7.81E-06	4.64E-06	3.88E-06	5.25E-05	4.51E-05
1542	650198	4194853	4.99E-05	4.41E-05	8.27E-06	7.66E-06	4.55E-06	3.80E-06	5.15E-05	4.42E-05
1543	650193.7	4194830	4.90E-05	4.33E-05	8.12E-06	7.52E-06	4.47E-06	3.73E-06	5.05E-05	4.34E-05
1544	650189.5	4194808	4.81E-05	4.26E-05	7.98E-06	7.39E-06	4.39E-06	3.67E-06	4.97E-05	4.27E-05
1545	650185.3	4194786	4.73E-05	4.18E-05	7.84E-06	7.26E-06	4.32E-06	3.61E-06	4.88E-05	4.20E-05
1546	650181	4194763	4.66E-05	4.12E-05	7.72E-06	7.15E-06	4.25E-06	3.55E-06	4.81E-05	4.13E-05
1547	650176.8	4194741	4.58E-05	4.05E-05	7.59E-06	7.03E-06	4.18E-06	3.49E-06	4.73E-05	4.06E-05
1548	650172.5	4194718	4.50E-05	3.98E-05	7.46E-06	6.91E-06	4.10E-06	3.43E-06	4.64E-05	3.99E-05
1549	650164	4194673	4.31E-05	3.82E-05	7.15E-06	6.62E-06	3.94E-06	3.29E-06	4.45E-05	3.83E-05
1550	650159.8	4194651	4.20E-05	3.72E-05	6.97E-06	6.45E-06	3.84E-06	3.20E-06	4.34E-05	3.73E-05
1551	650155.6	4194628	4.08E-05	3.61E-05	6.77E-06	6.27E-06	3.72E-06	3.11E-06	4.21E-05	3.62E-05
1552	650151.3	4194606	3.95E-05	3.49E-05	6.55E-06	6.07E-06	3.60E-06	3.01E-06	4.08E-05	3.50E-05
1553	651280.2	4196005	2.97E-05	2.62E-05	4.92E-06	4.55E-06	2.71E-06	2.26E-06	3.06E-05	2.63E-05
1554	651303	4196003	2.88E-05	2.55E-05	4.78E-06	4.42E-06	2.63E-06	2.20E-06	2.97E-05	2.56E-05
1555	651325.8	4196002	2.79E-05	2.47E-05	4.63E-06	4.28E-06	2.55E-06	2.13E-06	2.88E-05	2.48E-05
1556	651348.6	4196000	2.70E-05	2.39E-05	4.48E-06	4.15E-06	2.47E-06	2.06E-06	2.79E-05	2.40E-05
1557	651371.5	4195998	2.62E-05	2.32E-05	4.35E-06	4.03E-06	2.39E-06	2.00E-06	2.71E-05	2.33E-05
1558	651394.3	4195996	2.56E-05	2.27E-05	4.25E-06	3.94E-06	2.34E-06	1.95E-06	2.65E-05	2.27E-05
1559	651417.1	4195995	2.53E-05	2.24E-05	4.19E-06	3.88E-06	2.31E-06	1.93E-06	2.61E-05	2.24E-05
1560	651439.9	4195993	2.52E-05	2.23E-05	4.18E-06	3.87E-06	2.30E-06	1.92E-06	2.60E-05	2.24E-05
1561	651462.7	4195991	2.55E-05	2.25E-05	4.22E-06	3.91E-06	2.32E-06	1.94E-06	2.63E-05	2.26E-05
1562	651485.5	4195990	2.60E-05	2.30E-05	4.30E-06	3.99E-06	2.37E-06	1.98E-06	2.68E-05	2.30E-05

1563	651508.4	4195988	2.67E-05	2.36E-05	4.43E-06	4.10E-06	2.44E-06	2.03E-06	2.76E-05	2.37E-05
1564	651531.2	4195986	2.76E-05	2.44E-05	4.58E-06	4.24E-06	2.52E-06	2.11E-06	2.85E-05	2.45E-05
1565	651274.5	4196195	2.37E-05	2.10E-05	3.93E-06	3.64E-06	2.16E-06	1.81E-06	2.45E-05	2.10E-05
1566	651253.9	4196186	2.46E-05	2.17E-05	4.07E-06	3.77E-06	2.24E-06	1.87E-06	2.54E-05	2.18E-05
1567	651233.3	4196177	2.53E-05	2.24E-05	4.20E-06	3.89E-06	2.31E-06	1.93E-06	2.62E-05	2.25E-05
1568	651212.6	4196168	2.60E-05	2.30E-05	4.31E-06	3.99E-06	2.37E-06	1.98E-06	2.68E-05	2.30E-05
1569	651192	4196159	2.65E-05	2.34E-05	4.39E-06	4.06E-06	2.42E-06	2.02E-06	2.73E-05	2.35E-05
1570	651171.4	4196150	2.69E-05	2.38E-05	4.45E-06	4.13E-06	2.45E-06	2.05E-06	2.77E-05	2.38E-05
1571	651150.8	4196141	2.72E-05	2.40E-05	4.50E-06	4.17E-06	2.48E-06	2.07E-06	2.81E-05	2.41E-05
1572	651130.1	4196132	2.75E-05	2.43E-05	4.55E-06	4.21E-06	2.50E-06	2.09E-06	2.83E-05	2.44E-05
1573	651109.5	4196123	2.78E-05	2.46E-05	4.60E-06	4.26E-06	2.53E-06	2.12E-06	2.87E-05	2.46E-05
1574	651088.9	4196114	2.82E-05	2.49E-05	4.67E-06	4.33E-06	2.57E-06	2.15E-06	2.91E-05	2.50E-05
1575	651047.7	4196096	2.96E-05	2.62E-05	4.90E-06	4.54E-06	2.70E-06	2.25E-06	3.05E-05	2.62E-05
1576	651027	4196087	3.07E-05	2.71E-05	5.09E-06	4.71E-06	2.80E-06	2.34E-06	3.17E-05	2.72E-05
1577	651006.4	4196078	3.21E-05	2.84E-05	5.32E-06	4.93E-06	2.93E-06	2.44E-06	3.31E-05	2.85E-05
1578	650985.8	4196069	3.38E-05	2.99E-05	5.60E-06	5.19E-06	3.09E-06	2.58E-06	3.49E-05	3.00E-05
1579	650965.2	4196060	3.58E-05	3.17E-05	5.94E-06	5.50E-06	3.27E-06	2.73E-06	3.70E-05	3.18E-05
1580	650944.6	4196051	3.82E-05	3.38E-05	6.33E-06	5.86E-06	3.48E-06	2.91E-06	3.94E-05	3.39E-05
1581	650923.9	4196042	4.08E-05	3.61E-05	6.76E-06	6.26E-06	3.72E-06	3.11E-06	4.21E-05	3.62E-05
1582	650903.3	4196033	4.36E-05	3.85E-05	7.22E-06	6.69E-06	3.97E-06	3.32E-06	4.50E-05	3.86E-05
1583	650717.7	4195952	6.73E-05	5.95E-05	1.12E-05	1.03E-05	6.14E-06	5.13E-06	6.95E-05	5.97E-05
1584	650697.1	4195943	6.86E-05	6.07E-05	1.14E-05	1.05E-05	6.26E-06	5.23E-06	7.08E-05	6.09E-05
1585	650676.5	4195934	6.95E-05	6.15E-05	1.15E-05	1.07E-05	6.34E-06	5.30E-06	7.18E-05	6.17E-05
1586	650655.9	4195925	7.01E-05	6.20E-05	1.16E-05	1.08E-05	6.39E-06	5.34E-06	7.23E-05	6.21E-05
1587	650635.2	4195916	7.03E-05	6.22E-05	1.17E-05	1.08E-05	6.41E-06	5.36E-06	7.25E-05	6.23E-05
1588	650614.6	4195907	7.02E-05	6.21E-05	1.16E-05	1.08E-05	6.41E-06	5.35E-06	7.25E-05	6.23E-05
1589	650594	4195898	6.99E-05	6.18E-05	1.16E-05	1.07E-05	6.38E-06	5.33E-06	7.22E-05	6.20E-05
1590	650573.4	4195889	6.94E-05	6.14E-05	1.15E-05	1.07E-05	6.33E-06	5.29E-06	7.16E-05	6.16E-05
1591	650552.8	4195880	6.88E-05	6.08E-05	1.14E-05	1.06E-05	6.28E-06	5.24E-06	7.10E-05	6.10E-05
1592	650532.1	4195871	6.80E-05	6.01E-05	1.13E-05	1.04E-05	6.20E-06	5.18E-06	7.02E-05	6.03E-05
1593	650511.5	4195862	6.71E-05	5.94E-05	1.11E-05	1.03E-05	6.12E-06	5.11E-06	6.93E-05	5.95E-05
1594	650490.9	4195853	6.62E-05	5.85E-05	1.10E-05	1.02E-05	6.04E-06	5.04E-06	6.83E-05	5.87E-05
1595	650470.3	4195844	6.51E-05	5.76E-05	1.08E-05	1.00E-05	5.94E-06	4.96E-06	6.72E-05	5.77E-05
1596	650449.7	4195835	6.40E-05	5.66E-05	1.06E-05	9.82E-06	5.84E-06	4.88E-06	6.61E-05	5.68E-05
1597	650429	4195826	6.29E-05	5.56E-05	1.04E-05	9.65E-06	5.73E-06	4.79E-06	6.49E-05	5.58E-05
1598	650408.4	4195817	6.17E-05	5.46E-05	1.02E-05	9.47E-06	5.63E-06	4.70E-06	6.37E-05	5.47E-05
1599	650367.2	4195799	5.94E-05	5.26E-05	9.85E-06	9.12E-06	5.42E-06	4.53E-06	6.13E-05	5.27E-05
1600	650346.5	4195790	5.84E-05	5.16E-05	9.67E-06	8.96E-06	5.32E-06	4.45E-06	6.02E-05	5.18E-05
1601	650264.1	4195754	5.43E-05	4.80E-05	9.01E-06	8.34E-06	4.96E-06	4.14E-06	5.61E-05	4.82E-05
1602	650243.4	4195745	5.33E-05	4.72E-05	8.84E-06	8.19E-06	4.87E-06	4.06E-06	5.51E-05	4.73E-05
1603	650222.8	4195736	5.23E-05	4.63E-05	8.68E-06	8.04E-06	4.78E-06	3.99E-06	5.40E-05	4.64E-05
1604	650202.2	4195727	5.13E-05	4.54E-05	8.50E-06	7.87E-06	4.68E-06	3.91E-06	5.29E-05	4.55E-05
1605	650177.4	4195696	5.02E-05	4.44E-05	8.32E-06	7.71E-06	4.58E-06	3.82E-06	5.18E-05	4.45E-05
1606	650173.2	4195674	5.01E-05	4.43E-05	8.31E-06	7.69E-06	4.57E-06	3.82E-06	5.17E-05	4.45E-05
1607	650164.9	4195630	4.97E-05	4.40E-05	8.24E-06	7.63E-06	4.54E-06	3.79E-06	5.13E-05	4.41E-05
1608	650156.5	4195586	4.90E-05	4.34E-05	8.13E-06	7.53E-06	4.47E-06	3.74E-06	5.06E-05	4.35E-05
1609	650148.2	4195542	4.83E-05	4.27E-05	8.00E-06	7.41E-06	4.40E-06	3.68E-06	4.98E-05	4.28E-05
1610	650139.8	4195497	4.75E-05	4.20E-05	7.87E-06	7.29E-06	4.33E-06	3.62E-06	4.90E-05	4.21E-05
1611	650135.6	4195475	4.72E-05	4.17E-05	7.82E-06	7.24E-06	4.30E-06	3.59E-06	4.87E-05	4.18E-05
1612	650127.3	4195431	4.66E-05	4.12E-05	7.72E-06	7.15E-06	4.25E-06	3.55E-06	4.81E-05	4.13E-05
1613	650118.9	4195387	4.63E-05	4.09E-05	7.67E-06	7.11E-06	4.22E-06	3.53E-06	4.78E-05	4.11E-05
1614	650110.6	4195343	4.63E-05	4.09E-05	7.67E-06	7.10E-06	4.22E-06	3.52E-06	4.77E-05	4.10E-05
1615	650102.2	4195298	4.65E-05	4.11E-05	7.71E-06	7.14E-06	4.24E-06	3.54E-06	4.80E-05	4.12E-05
1616	650098	4195276	4.67E-05	4.13E-05	7.74E-06	7.17E-06	4.26E-06	3.56E-06	4.82E-05	4.14E-05
1617	650089.7	4195232	4.72E-05	4.17E-05	7.82E-06	7.24E-06	4.30E-06	3.59E-06	4.87E-05	4.18E-05
1618	650081.3	4195188	4.76E-05	4.21E-05	7.89E-06	7.31E-06	4.34E-06	3.63E-06	4.91E-05	4.22E-05
1619	650077.1	4195166	4.77E-05	4.22E-05	7.91E-06	7.32E-06	4.35E-06	3.63E-06	4.92E-05	4.23E-05
1620	650068.8	4195121	4.76E-05	4.21E-05	7.88E-06	7.30E-06	4.34E-06	3.62E-06	4.91E-05	4.22E-05

1621	650060.4	4195077	4.68E-05	4.14E-05	7.76E-06	7.19E-06	4.27E-06	3.57E-06	4.83E-05	4.15E-05
1622	650052.1	4195033	4.55E-05	4.03E-05	7.55E-06	6.99E-06	4.15E-06	3.47E-06	4.70E-05	4.04E-05
1623	650043.7	4194989	4.39E-05	3.88E-05	7.27E-06	6.73E-06	4.00E-06	3.34E-06	4.53E-05	3.89E-05
1624	650039.5	4194967	4.30E-05	3.80E-05	7.12E-06	6.60E-06	3.92E-06	3.27E-06	4.44E-05	3.81E-05
1625	650031.2	4194922	4.13E-05	3.65E-05	6.85E-06	6.34E-06	3.77E-06	3.15E-06	4.26E-05	3.66E-05
1626	650022.8	4194878	3.99E-05	3.53E-05	6.62E-06	6.13E-06	3.64E-06	3.04E-06	4.12E-05	3.54E-05
1627	650014.5	4194834	3.89E-05	3.44E-05	6.44E-06	5.97E-06	3.55E-06	2.96E-06	4.01E-05	3.45E-05
1628	650006.1	4194790	3.80E-05	3.36E-05	6.30E-06	5.84E-06	3.47E-06	2.90E-06	3.92E-05	3.37E-05
1629	650001.9	4194768	3.76E-05	3.33E-05	6.24E-06	5.78E-06	3.43E-06	2.87E-06	3.88E-05	3.34E-05
1630	649993.6	4194723	3.68E-05	3.25E-05	6.09E-06	5.64E-06	3.35E-06	2.80E-06	3.79E-05	3.26E-05
1631	649985.2	4194679	3.56E-05	3.15E-05	5.90E-06	5.47E-06	3.25E-06	2.71E-06	3.68E-05	3.16E-05
1632	649981	4194657	3.49E-05	3.09E-05	5.78E-06	5.36E-06	3.18E-06	2.66E-06	3.60E-05	3.10E-05
1633	649972.7	4194613	3.32E-05	2.94E-05	5.50E-06	5.10E-06	3.03E-06	2.53E-06	3.43E-05	2.95E-05
1634	649964.3	4194569	3.13E-05	2.77E-05	5.19E-06	4.80E-06	2.85E-06	2.38E-06	3.23E-05	2.77E-05
1635	651295.1	4196204	2.28E-05	2.02E-05	3.78E-06	3.50E-06	2.08E-06	1.74E-06	2.35E-05	2.02E-05
1636	651317.9	4196203	2.20E-05	1.95E-05	3.65E-06	3.38E-06	2.01E-06	1.68E-06	2.27E-05	1.95E-05
1637	651340.8	4196201	2.13E-05	1.88E-05	3.53E-06	3.27E-06	1.94E-06	1.62E-06	2.20E-05	1.89E-05
1638	651363.6	4196199	2.06E-05	1.82E-05	3.41E-06	3.16E-06	1.88E-06	1.57E-06	2.13E-05	1.83E-05
1639	651386.4	4196198	2.00E-05	1.77E-05	3.32E-06	3.08E-06	1.83E-06	1.53E-06	2.07E-05	1.78E-05
1640	651409.2	4196196	1.97E-05	1.74E-05	3.26E-06	3.02E-06	1.79E-06	1.50E-06	2.03E-05	1.74E-05
1641	651432	4196194	1.95E-05	1.72E-05	3.23E-06	2.99E-06	1.78E-06	1.48E-06	2.01E-05	1.73E-05
1642	651454.8	4196192	1.95E-05	1.73E-05	3.24E-06	3.00E-06	1.78E-06	1.49E-06	2.01E-05	1.73E-05
1643	651477.6	4196191	1.98E-05	1.75E-05	3.28E-06	3.03E-06	1.80E-06	1.51E-06	2.04E-05	1.75E-05
1644	651500.5	4196189	2.02E-05	1.79E-05	3.35E-06	3.10E-06	1.84E-06	1.54E-06	2.08E-05	1.79E-05
1645	651523.3	4196187	2.08E-05	1.84E-05	3.45E-06	3.19E-06	1.90E-06	1.58E-06	2.15E-05	1.84E-05
1646	651546.1	4196186	2.15E-05	1.90E-05	3.57E-06	3.31E-06	1.96E-06	1.64E-06	2.22E-05	1.91E-05
1647	651289.3	4196395	1.89E-05	1.67E-05	3.13E-06	2.90E-06	1.72E-06	1.44E-06	1.95E-05	1.68E-05
1648	651268.6	4196386	1.97E-05	1.74E-05	3.26E-06	3.02E-06	1.79E-06	1.50E-06	2.03E-05	1.74E-05
1649	651247.9	4196377	2.04E-05	1.80E-05	3.38E-06	3.13E-06	1.86E-06	1.55E-06	2.10E-05	1.81E-05
1650	651227.1	4196368	2.10E-05	1.86E-05	3.48E-06	3.23E-06	1.92E-06	1.60E-06	2.17E-05	1.86E-05
1651	651206.4	4196359	2.16E-05	1.91E-05	3.57E-06	3.31E-06	1.97E-06	1.64E-06	2.22E-05	1.91E-05
1652	651185.7	4196350	2.20E-05	1.94E-05	3.64E-06	3.37E-06	2.01E-06	1.67E-06	2.27E-05	1.95E-05
1653	651165	4196341	2.23E-05	1.97E-05	3.69E-06	3.42E-06	2.03E-06	1.70E-06	2.30E-05	1.98E-05
1654	651144.3	4196331	2.25E-05	1.99E-05	3.72E-06	3.45E-06	2.05E-06	1.71E-06	2.32E-05	1.99E-05
1655	651123.5	4196322	2.26E-05	2.00E-05	3.74E-06	3.46E-06	2.06E-06	1.72E-06	2.33E-05	2.00E-05
1656	651102.8	4196313	2.26E-05	2.00E-05	3.75E-06	3.48E-06	2.07E-06	1.72E-06	2.34E-05	2.01E-05
1657	651082.1	4196304	2.27E-05	2.01E-05	3.76E-06	3.48E-06	2.07E-06	1.73E-06	2.34E-05	2.01E-05
1658	651061.4	4196295	2.28E-05	2.02E-05	3.78E-06	3.50E-06	2.08E-06	1.74E-06	2.36E-05	2.02E-05
1659	651040.6	4196286	2.30E-05	2.04E-05	3.82E-06	3.54E-06	2.10E-06	1.76E-06	2.38E-05	2.04E-05
1660	651019.9	4196277	2.34E-05	2.07E-05	3.88E-06	3.60E-06	2.14E-06	1.79E-06	2.42E-05	2.08E-05
1661	650999.2	4196268	2.40E-05	2.12E-05	3.98E-06	3.69E-06	2.19E-06	1.83E-06	2.48E-05	2.13E-05
1662	650978.5	4196259	2.48E-05	2.19E-05	4.11E-06	3.81E-06	2.26E-06	1.89E-06	2.56E-05	2.20E-05
1663	650957.7	4196250	2.58E-05	2.28E-05	4.28E-06	3.96E-06	2.36E-06	1.97E-06	2.66E-05	2.29E-05
1664	650937	4196241	2.71E-05	2.39E-05	4.49E-06	4.16E-06	2.47E-06	2.06E-06	2.80E-05	2.40E-05
1665	650916.3	4196232	2.86E-05	2.53E-05	4.73E-06	4.38E-06	2.61E-06	2.18E-06	2.95E-05	2.53E-05
1666	650895.6	4196223	3.03E-05	2.68E-05	5.02E-06	4.65E-06	2.76E-06	2.31E-06	3.12E-05	2.68E-05
1667	650874.8	4196214	3.21E-05	2.84E-05	5.33E-06	4.93E-06	2.93E-06	2.45E-06	3.32E-05	2.85E-05
1668	650854.1	4196205	3.42E-05	3.02E-05	5.66E-06	5.25E-06	3.12E-06	2.60E-06	3.53E-05	3.03E-05
1669	650833.4	4196196	3.63E-05	3.21E-05	6.02E-06	5.58E-06	3.31E-06	2.77E-06	3.75E-05	3.22E-05
1670	650812.7	4196187	3.86E-05	3.41E-05	6.39E-06	5.92E-06	3.52E-06	2.94E-06	3.98E-05	3.42E-05
1671	650709.1	4196142	4.97E-05	4.39E-05	8.24E-06	7.63E-06	4.53E-06	3.79E-06	5.13E-05	4.41E-05
1672	650688.3	4196132	5.16E-05	4.56E-05	8.55E-06	7.92E-06	4.71E-06	3.93E-06	5.32E-05	4.57E-05
1673	650667.6	4196123	5.32E-05	4.71E-05	8.82E-06	8.17E-06	4.86E-06	4.06E-06	5.49E-05	4.72E-05
1674	650646.9	4196114	5.46E-05	4.83E-05	9.06E-06	8.39E-06	4.99E-06	4.16E-06	5.64E-05	4.85E-05
1675	650626.2	4196105	5.58E-05	4.93E-05	9.25E-06	8.56E-06	5.09E-06	4.25E-06	5.76E-05	4.95E-05
1676	650605.4	4196096	5.66E-05	5.01E-05	9.38E-06	8.69E-06	5.17E-06	4.31E-06	5.84E-05	5.02E-05
1677	650584.7	4196087	5.72E-05	5.06E-05	9.48E-06	8.78E-06	5.22E-06	4.36E-06	5.90E-05	5.07E-05
1678	650564	4196078	5.75E-05	5.09E-05	9.53E-06	8.83E-06	5.25E-06	4.38E-06	5.94E-05	5.10E-05

1679	650543.3	4196069	5.76E-05	5.09E-05	9.55E-06	8.84E-06	5.26E-06	4.39E-06	5.95E-05	5.11E-05
1680	650522.6	4196060	5.75E-05	5.08E-05	9.53E-06	8.83E-06	5.25E-06	4.38E-06	5.93E-05	5.10E-05
1681	650501.8	4196051	5.72E-05	5.06E-05	9.49E-06	8.79E-06	5.22E-06	4.36E-06	5.91E-05	5.08E-05
1682	650481.1	4196042	5.69E-05	5.03E-05	9.43E-06	8.73E-06	5.19E-06	4.33E-06	5.87E-05	5.04E-05
1683	650460.4	4196033	5.64E-05	4.99E-05	9.35E-06	8.66E-06	5.15E-06	4.30E-06	5.82E-05	5.00E-05
1684	650439.7	4196024	5.59E-05	4.94E-05	9.26E-06	8.58E-06	5.10E-06	4.26E-06	5.77E-05	4.96E-05
1685	650418.9	4196015	5.53E-05	4.89E-05	9.16E-06	8.49E-06	5.04E-06	4.21E-06	5.71E-05	4.90E-05
1686	650398.2	4196006	5.46E-05	4.83E-05	9.05E-06	8.38E-06	4.98E-06	4.16E-06	5.64E-05	4.84E-05
1687	650377.5	4195997	5.39E-05	4.77E-05	8.94E-06	8.28E-06	4.92E-06	4.11E-06	5.56E-05	4.78E-05
1688	650356.8	4195988	5.31E-05	4.70E-05	8.81E-06	8.16E-06	4.85E-06	4.05E-06	5.48E-05	4.71E-05
1689	650336	4195979	5.23E-05	4.63E-05	8.67E-06	8.03E-06	4.77E-06	3.99E-06	5.40E-05	4.64E-05
1690	650315.3	4195970	5.15E-05	4.55E-05	8.53E-06	7.90E-06	4.70E-06	3.92E-06	5.31E-05	4.57E-05
1691	650294.6	4195961	5.06E-05	4.48E-05	8.39E-06	7.77E-06	4.62E-06	3.86E-06	5.22E-05	4.49E-05
1692	650273.9	4195952	4.98E-05	4.40E-05	8.25E-06	7.64E-06	4.54E-06	3.79E-06	5.14E-05	4.41E-05
1693	650253.1	4195943	4.89E-05	4.33E-05	8.11E-06	7.51E-06	4.46E-06	3.73E-06	5.05E-05	4.34E-05
1694	650232.4	4195933	4.81E-05	4.26E-05	7.98E-06	7.39E-06	4.39E-06	3.67E-06	4.97E-05	4.27E-05
1695	650211.7	4195924	4.74E-05	4.19E-05	7.86E-06	7.28E-06	4.32E-06	3.61E-06	4.89E-05	4.20E-05
1696	650191	4195915	4.67E-05	4.13E-05	7.74E-06	7.17E-06	4.26E-06	3.56E-06	4.82E-05	4.14E-05
1697	650170.3	4195906	4.60E-05	4.07E-05	7.63E-06	7.06E-06	4.20E-06	3.51E-06	4.75E-05	4.08E-05
1698	650149.5	4195897	4.54E-05	4.01E-05	7.52E-06	6.97E-06	4.14E-06	3.46E-06	4.68E-05	4.02E-05
1699	650128.8	4195888	4.47E-05	3.95E-05	7.41E-06	6.87E-06	4.08E-06	3.41E-06	4.62E-05	3.97E-05
1700	650108.1	4195879	4.41E-05	3.90E-05	7.31E-06	6.77E-06	4.02E-06	3.36E-06	4.55E-05	3.91E-05
1701	650087.4	4195870	4.34E-05	3.84E-05	7.20E-06	6.67E-06	3.96E-06	3.31E-06	4.48E-05	3.85E-05
1702	650066.6	4195861	4.27E-05	3.78E-05	7.08E-06	6.56E-06	3.90E-06	3.26E-06	4.41E-05	3.79E-05
1703	650045.9	4195852	4.20E-05	3.72E-05	6.96E-06	6.45E-06	3.83E-06	3.20E-06	4.34E-05	3.73E-05
1704	650021	4195821	4.12E-05	3.65E-05	6.84E-06	6.33E-06	3.76E-06	3.14E-06	4.26E-05	3.66E-05
1705	650016.8	4195799	4.12E-05	3.64E-05	6.82E-06	6.32E-06	3.76E-06	3.14E-06	4.25E-05	3.65E-05
1706	650008.4	4195754	4.08E-05	3.61E-05	6.77E-06	6.27E-06	3.73E-06	3.11E-06	4.21E-05	3.62E-05
1707	650000	4195710	4.03E-05	3.56E-05	6.68E-06	6.19E-06	3.68E-06	3.07E-06	4.16E-05	3.57E-05
1708	649991.6	4195665	3.97E-05	3.51E-05	6.58E-06	6.09E-06	3.62E-06	3.02E-06	4.10E-05	3.52E-05
1709	649987.4	4195643	3.94E-05	3.48E-05	6.53E-06	6.04E-06	3.59E-06	3.00E-06	4.06E-05	3.49E-05
1710	649979	4195599	3.88E-05	3.43E-05	6.43E-06	5.96E-06	3.54E-06	2.96E-06	4.00E-05	3.44E-05
1711	649970.6	4195554	3.83E-05	3.39E-05	6.35E-06	5.88E-06	3.50E-06	2.92E-06	3.96E-05	3.40E-05
1712	649962.2	4195510	3.80E-05	3.36E-05	6.30E-06	5.84E-06	3.47E-06	2.90E-06	3.92E-05	3.37E-05
1713	649958	4195488	3.79E-05	3.35E-05	6.29E-06	5.82E-06	3.46E-06	2.89E-06	3.91E-05	3.36E-05
1714	649949.6	4195443	3.79E-05	3.35E-05	6.28E-06	5.81E-06	3.45E-06	2.88E-06	3.91E-05	3.36E-05
1715	649941.2	4195399	3.80E-05	3.36E-05	6.29E-06	5.83E-06	3.46E-06	2.89E-06	3.92E-05	3.37E-05
1716	649932.8	4195354	3.82E-05	3.38E-05	6.34E-06	5.87E-06	3.49E-06	2.91E-06	3.95E-05	3.39E-05
1717	649924.4	4195310	3.86E-05	3.42E-05	6.40E-06	5.93E-06	3.52E-06	2.94E-06	3.99E-05	3.43E-05
1718	649920.2	4195288	3.88E-05	3.44E-05	6.44E-06	5.96E-06	3.54E-06	2.96E-06	4.01E-05	3.45E-05
1719	649911.8	4195243	3.92E-05	3.47E-05	6.50E-06	6.02E-06	3.58E-06	2.99E-06	4.05E-05	3.48E-05
1720	649903.4	4195199	3.94E-05	3.49E-05	6.53E-06	6.05E-06	3.60E-06	3.00E-06	4.07E-05	3.50E-05
1721	649895	4195154	3.92E-05	3.47E-05	6.50E-06	6.02E-06	3.58E-06	2.99E-06	4.05E-05	3.48E-05
1722	649890.8	4195132	3.90E-05	3.45E-05	6.46E-06	5.98E-06	3.56E-06	2.97E-06	4.02E-05	3.46E-05
1723	649882.4	4195088	3.81E-05	3.37E-05	6.31E-06	5.85E-06	3.48E-06	2.90E-06	3.93E-05	3.38E-05
1724	649874	4195043	3.68E-05	3.26E-05	6.11E-06	5.65E-06	3.36E-06	2.81E-06	3.80E-05	3.27E-05
1725	649865.6	4194999	3.54E-05	3.13E-05	5.87E-06	5.44E-06	3.23E-06	2.70E-06	3.66E-05	3.14E-05
1726	649857.2	4194954	3.41E-05	3.01E-05	5.65E-06	5.23E-06	3.11E-06	2.60E-06	3.52E-05	3.02E-05
1727	649853	4194932	3.35E-05	2.96E-05	5.56E-06	5.15E-06	3.06E-06	2.55E-06	3.46E-05	2.97E-05
1728	649844.6	4194888	3.26E-05	2.89E-05	5.41E-06	5.01E-06	2.98E-06	2.49E-06	3.37E-05	2.89E-05
1729	649836.3	4194843	3.20E-05	2.83E-05	5.31E-06	4.92E-06	2.92E-06	2.44E-06	3.31E-05	2.84E-05
1730	649827.9	4194799	3.16E-05	2.80E-05	5.24E-06	4.85E-06	2.88E-06	2.41E-06	3.26E-05	2.80E-05
1731	649823.7	4194777	3.14E-05	2.78E-05	5.20E-06	4.82E-06	2.86E-06	2.39E-06	3.24E-05	2.78E-05
1732	649815.3	4194732	3.09E-05	2.73E-05	5.12E-06	4.74E-06	2.82E-06	2.35E-06	3.19E-05	2.74E-05
1733	649806.9	4194688	3.02E-05	2.67E-05	5.00E-06	4.63E-06	2.75E-06	2.30E-06	3.11E-05	2.68E-05
1734	649798.5	4194643	2.91E-05	2.58E-05	4.83E-06	4.47E-06	2.66E-06	2.22E-06	3.01E-05	2.58E-05
1735	649794.3	4194621	2.85E-05	2.52E-05	4.72E-06	4.38E-06	2.60E-06	2.17E-06	2.94E-05	2.53E-05
1736	649785.9	4194577	2.71E-05	2.40E-05	4.49E-06	4.16E-06	2.47E-06	2.07E-06	2.80E-05	2.40E-05

1737	649777.5	4194532	2.56E-05	2.26E-05	4.25E-06	3.93E-06	2.34E-06	1.95E-06	2.64E-05	2.27E-05
1738	651310	4196404	1.81E-05	1.60E-05	3.00E-06	2.78E-06	1.65E-06	1.38E-06	1.87E-05	1.61E-05
1739	651332.9	4196402	1.75E-05	1.55E-05	2.90E-06	2.68E-06	1.59E-06	1.33E-06	1.80E-05	1.55E-05
1740	651355.7	4196400	1.69E-05	1.49E-05	2.80E-06	2.59E-06	1.54E-06	1.29E-06	1.74E-05	1.50E-05
1741	651378.5	4196399	1.64E-05	1.45E-05	2.72E-06	2.52E-06	1.50E-06	1.25E-06	1.69E-05	1.45E-05
1742	651401.3	4196397	1.60E-05	1.42E-05	2.65E-06	2.46E-06	1.46E-06	1.22E-06	1.65E-05	1.42E-05
1743	651424.1	4196395	1.58E-05	1.39E-05	2.61E-06	2.42E-06	1.44E-06	1.20E-06	1.63E-05	1.40E-05
1744	651446.9	4196394	1.57E-05	1.39E-05	2.60E-06	2.41E-06	1.43E-06	1.20E-06	1.62E-05	1.39E-05
1745	651469.8	4196392	1.58E-05	1.39E-05	2.61E-06	2.42E-06	1.44E-06	1.20E-06	1.63E-05	1.40E-05
1746	651492.6	4196390	1.60E-05	1.42E-05	2.65E-06	2.46E-06	1.46E-06	1.22E-06	1.65E-05	1.42E-05
1747	651515.4	4196388	1.64E-05	1.45E-05	2.72E-06	2.52E-06	1.50E-06	1.25E-06	1.69E-05	1.45E-05
1748	651538.2	4196387	1.69E-05	1.49E-05	2.80E-06	2.59E-06	1.54E-06	1.29E-06	1.74E-05	1.50E-05

PM 10				
Tons/Yr	T2	T3L3	T4	T2Revised
Year 1	0.07475	0.01239	0.00682	0.07715
Year 2	0.0661	0.011475	0.005695	0.0663
Year 3	0	0	0	0
Year 4	0	0	0	0

PM 10				
Lbs /Yr	T2	T3L3	T4	T2Revised
Year 1	149.5	24.78	13.64	154.3
Year 2	132.2	22.95	11.39	132.6
Year 3	0	0	0	0
Year 4	0	0	0	0

PM 10				
% Chng	T2	T3L3	T4	T2Revised
Year 1	100%	17%	9%	103%
Year 2	100%	17%	9%	100%
Year 3	0%	0%	0%	0%
Year 4	0%	0%	0%	0%

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** Lakes Environmental AERMOD MPI
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**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 11/23/2024
** File: D:\LSA\2024\20242005.01\Construction\Construction.ADI
**
****************************************
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****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE D:\LSA\2024\20242005.01\Construction\Construction.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   POLLUTID OTHER
   RUNORNOT RUN
   ERRORFIL Construction.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION CONST        AREAPOLY   651459.524  4194856.411        4.880
** Source Parameters **
   SRCPARAM CONST        0.0000162817     3.048        11
   AREAVERT CONST        651459.524 4194856.411 651487.142 4194765.482
   AREAVERT CONST        651502.804 4194724.369 651528.479 4194663.482
   AREAVERT CONST        651527.379 4194576.554 651524.811 4194571.786
   AREAVERT CONST        651326.014 4194571.786 651293.370 4194659.814
   AREAVERT CONST        651289.335 4194676.320 651272.830 4194759.213
   AREAVERT CONST        651271.730 4194857.145

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Const"
** WeekDays:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT CONST        HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP CONST    CONST
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED Construction.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\Stockton_18-22.SFC
   PROFFILE ..\Stockton_18-22.PFL
   SURFDATA 23237 2018
   UAIRDATA 23230 2018 OAKLAND/WSO_AP
   PROFBASE 8.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 CONST 1ST Construction.AD\01H1G001.PLT 31
   PLOTFILE PERIOD CONST Construction.AD\PE00G001.PLT 32
   SUMMFILE Construction.sum
OU FINISHED


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

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

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

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


   ********   WARNING MESSAGES   ********
ME W187      85       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

- -

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

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

**This Run Includes: 1 Source(s); 1 Source Group(s); and 1748 Receptor(s)

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

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

**The AERMET Input Meteorological Data Version Date: 21112

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

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

b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 8.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.7 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
CONST	0	0.16282E-04	651459.5	4194856.4	4.9	3.05	11	0.00	NO	HRDOW	NO

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
CONST	CONST ,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

SOURCE ID = CONST ; SOURCE TYPE = AREAPOLY :

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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1			

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

Surface file: ..\Stockton_18-22.SFC Met Version: 21112
Profile file: ..\Stockton_18-22.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23237 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2018 Year: 2018

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
18	01	01	1	01	-4.8	0.090	-9.000	-9.000	-999.	65.	13.7	0.04	0.91	1.00	1.42	14.	10.0	278.8	2.0
18	01	01	1	02	-5.2	0.093	-9.000	-9.000	-999.	68.	14.2	0.04	0.91	1.00	1.47	7.	10.0	279.2	2.0
18	01	01	1	03	-2.7	0.069	-9.000	-9.000	-999.	43.	11.2	0.03	0.91	1.00	1.04	44.	10.0	278.8	2.0
18	01	01	1	04	-2.1	0.065	-9.000	-9.000	-999.	40.	11.8	0.03	0.91	1.00	0.86	79.	10.0	278.1	2.0
18	01	01	1	05	-5.8	0.100	-9.000	-9.000	-999.	76.	15.6	0.05	0.91	1.00	1.48	186.	10.0	277.5	2.0
18	01	01	1	06	-1.8	0.063	-9.000	-9.000	-999.	38.	12.8	0.04	0.91	1.00	0.74	221.	10.0	276.4	2.0
18	01	01	1	07	-2.3	0.067	-9.000	-9.000	-999.	41.	11.9	0.04	0.91	1.00	0.89	116.	10.0	275.9	2.0
18	01	01	1	08	-2.0	0.065	-9.000	-9.000	-999.	40.	12.5	0.04	0.91	0.73	0.79	144.	10.0	274.9	2.0
18	01	01	1	09	-1.1	0.052	-9.000	-9.000	-999.	29.	12.4	0.04	0.91	0.39	0.80	107.	10.0	277.5	2.0
18	01	01	1	10	43.4	0.095	0.542	0.006	133.	70.	-1.8	0.03	0.91	0.27	0.86	66.	10.0	283.1	2.0
18	01	01	1	11	78.0	0.102	0.984	0.015	445.	78.	-1.2	0.03	0.91	0.23	0.91	58.	10.0	286.4	2.0
18	01	01	1	12	97.1	0.128	1.130	0.017	542.	110.	-2.0	0.03	0.91	0.22	1.21	317.	10.0	288.1	2.0
18	01	01	1	13	99.8	0.180	1.195	0.018	623.	183.	-5.3	0.18	0.91	0.21	1.21	273.	10.0	289.2	2.0
18	01	01	1	14	86.4	0.206	1.182	0.019	696.	225.	-9.2	0.18	0.91	0.22	1.52	277.	10.0	290.9	2.0
18	01	01	1	15	57.0	0.162	1.042	0.019	723.	157.	-6.8	0.03	0.91	0.26	1.82	307.	10.0	291.4	2.0
18	01	01	1	16	14.4	0.269	0.661	0.019	726.	334.	-122.2	0.18	0.91	0.35	2.55	299.	10.0	290.9	2.0
18	01	01	1	17	-15.6	0.177	-9.000	-9.000	-999.	183.	34.6	0.03	0.91	0.60	2.74	306.	10.0	287.5	2.0
18	01	01	1	18	-11.1	0.138	-9.000	-9.000	-999.	123.	21.5	0.03	0.91	1.00	2.18	307.	10.0	285.4	2.0
18	01	01	1	19	-15.0	0.173	-9.000	-9.000	-999.	173.	33.0	0.20	0.91	1.00	1.81	252.	10.0	283.8	2.0
18	01	01	1	20	-4.2	0.091	-9.000	-9.000	-999.	68.	16.4	0.20	0.91	1.00	0.96	266.	10.0	283.8	2.0
18	01	01	1	21	-2.6	0.071	-9.000	-9.000	-999.	45.	12.1	0.04	0.91	1.00	0.97	168.	10.0	281.4	2.0
18	01	01	1	22	-11.3	0.141	-9.000	-9.000	-999.	127.	22.5	0.04	0.91	1.00	2.08	169.	10.0	281.4	2.0
18	01	01	1	23	-13.3	0.152	-9.000	-9.000	-999.	142.	25.4	0.04	0.91	1.00	2.30	114.	10.0	280.4	2.0
18	01	01	1	24	-13.7	0.154	-9.000	-9.000	-999.	145.	26.1	0.04	0.91	1.00	2.33	97.	10.0	280.9	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
18	01	01	01	10.0	1	14.	1.42	278.8	99.0	-99.00	-99.00

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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

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

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
CONST	1ST HIGHEST VALUE IS	5.82720 AT (651591.64, 4194568.23, 4.88, 4.88, 0.00)	DC	
	2ND HIGHEST VALUE IS	5.02337 AT (651592.08, 4194686.49, 4.88, 4.88, 0.00)	DC	
	3RD HIGHEST VALUE IS	4.70567 AT (651540.45, 4194507.80, 4.88, 4.88, 0.00)	DC	
	4TH HIGHEST VALUE IS	4.65047 AT (651616.43, 4194587.11, 4.88, 4.88, 0.00)	DC	
	5TH HIGHEST VALUE IS	4.50692 AT (651613.48, 4194559.13, 4.88, 4.88, 0.00)	DC	
	6TH HIGHEST VALUE IS	4.40774 AT (651508.75, 4194503.89, 4.70, 4.70, 0.00)	DC	
	7TH HIGHEST VALUE IS	4.30023 AT (651604.01, 4194531.02, 4.88, 4.88, 0.00)	DC	
	8TH HIGHEST VALUE IS	4.18933 AT (651484.49, 4194504.05, 4.60, 4.60, 0.00)	DC	
	9TH HIGHEST VALUE IS	4.12573 AT (651616.57, 4194666.12, 4.88, 4.88, 0.00)	DC	
	10TH HIGHEST VALUE IS	3.92696 AT (651592.90, 4194727.38, 4.88, 4.88, 0.00)	DC	

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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
CONST	1ST HIGH VALUE IS 828.54305	ON 19110117:	AT (651508.75, 4194503.89, 4.70, 4.70, 0.00)	DC	

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

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

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

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 1399 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 723 Calm Hours Identified

A Total of 676 Missing Hours Identified (1.54 Percent)

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

******** WARNING MESSAGES ********
ME W187 85 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

HARP2 - HRACalc (dated 22118) 11/23/2024 2:01:30 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 1
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: ON
16 years to 70 years: ON

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
D:\LSA\2024\20242005.01\HARP_CONST\hra\Const_Sensitive_Year1_CancerRisk.csv
Cancer risk total by receptor saved to:
D:\LSA\2024\20242005.01\HARP_CONST\hra\Const_Sensitive_Year1_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
D:\LSA\2024\20242005.01\HARP_CONST\hra\Const_Sensitive_Year1_NCChronicRisk.csv
Chronic risk total by receptor saved to:
D:\LSA\2024\20242005.01\HARP_CONST\hra\Const_Sensitive_Year1_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
D:\LSA\2024\20242005.01\HARP_CONST\hra\Const_Sensitive_Year1_NCAcuteRisk.csv
Acute risk total by receptor saved to:
D:\LSA\2024\20242005.01\HARP_CONST\hra\Const_Sensitive_Year1_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 11/23/2024 2:22:12 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 1
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 1
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: ON
16 years to 70 years: ON

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
D:\LSA\2024\20242005.01\HARP_CONST\hra\Const_Sensitive_Year2_CancerRisk.csv
Cancer risk total by receptor saved to:
D:\LSA\2024\20242005.01\HARP_CONST\hra\Const_Sensitive_Year2_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
D:\LSA\2024\20242005.01\HARP_CONST\hra\Const_Sensitive_Year2_NCChronicRisk.csv
Chronic risk total by receptor saved to:
D:\LSA\2024\20242005.01\HARP_CONST\hra\Const_Sensitive_Year2_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
D:\LSA\2024\20242005.01\HARP_CONST\hra\Const_Sensitive_Year2_NCAcuteRisk.csv
Acute risk total by receptor saved to:
D:\LSA\2024\20242005.01\HARP_CONST\hra\Const_Sensitive_Year2_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 11/23/2024 2:47:13 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 16
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 1
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
D:\LSA\2024\20242005.01\HARP_CONST\hra\Const_Worker_Year1_CancerRisk.csv
Cancer risk total by receptor saved to:
D:\LSA\2024\20242005.01\HARP_CONST\hra\Const_Worker_Year1_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
D:\LSA\2024\20242005.01\HARP_CONST\hra\Const_Worker_Year1_NCChronicRisk.csv
Chronic risk total by receptor saved to:
D:\LSA\2024\20242005.01\HARP_CONST\hra\Const_Worker_Year1_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
D:\LSA\2024\20242005.01\HARP_CONST\hra\Const_Worker_Year1_NCAcuteRisk.csv
Acute risk total by receptor saved to:
D:\LSA\2024\20242005.01\HARP_CONST\hra\Const_Worker_Year1_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 11/23/2024 2:56:36 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 17
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 1
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
D:\LSA\2024\20242005.01\HARP_CONST\hra\Const_Worker_Year2_CancerRisk.csv
Cancer risk total by receptor saved to:
D:\LSA\2024\20242005.01\HARP_CONST\hra\Const_Worker_Year2_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
D:\LSA\2024\20242005.01\HARP_CONST\hra\Const_Worker_Year2_NCChronicRisk.csv
Chronic risk total by receptor saved to:
D:\LSA\2024\20242005.01\HARP_CONST\hra\Const_Worker_Year2_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
D:\LSA\2024\20242005.01\HARP_CONST\hra\Const_Worker_Year2_NCAcuteRisk.csv
Acute risk total by receptor saved to:
D:\LSA\2024\20242005.01\HARP_CONST\hra\Const_Worker_Year2_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP Project Summary Report 11/23/2024 4:24:07 PM

PROJECT INFORMATION
HARP Version: 22118
Project Name: HARP_CONST
Project Output Directory: D:\LSA\2024\20242005.01\HARP_CONST
HARP Database: NA

POLLUTANT HEALTH INFORMATION
Health Database: D:\HARP2\Tables\HEALTH17320.mdb
Health Table Version: HEALTH22013
Official: True

PolID	PolAbbrev	InhCancer	OralCancer	AcuteREL	InhChronicREL	OralChronicREL	InhChronic8HRREL
9901	DieselExhPM	1.1			5		