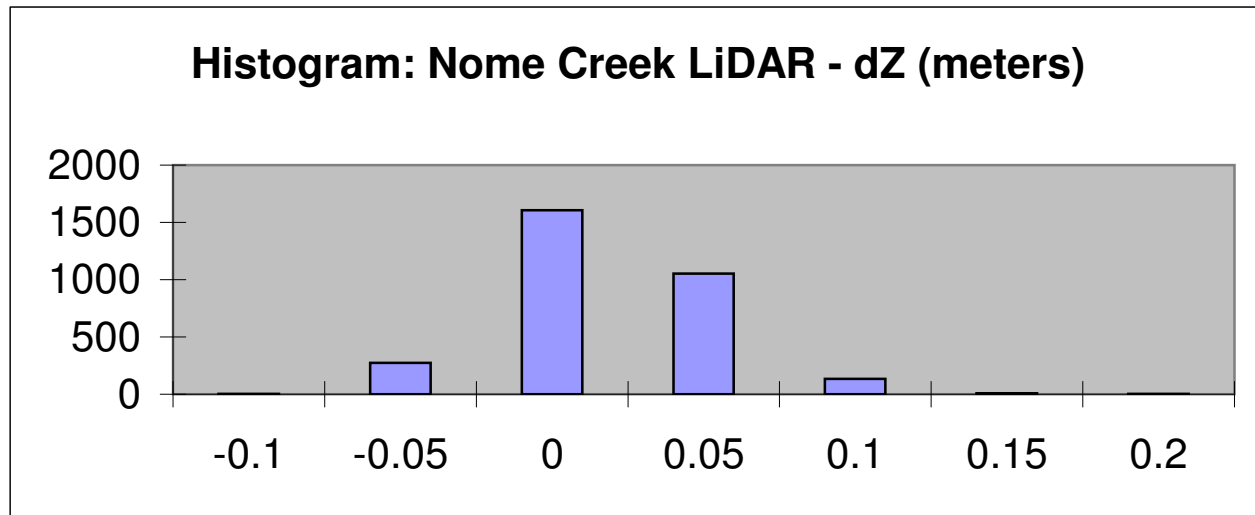


Nome Creek LiDAR Ground Control Survey -- Ouput Control Report

Statistical Summary

Mean:	-0.007 meters
Median:	-0.009 meters
Mode:	-0.01 meters
Kurtosis:	0.705
Skew:	0.355
Minimum:	-0.105 meters
Maximum:	0.169 meters
Range:	0.274 meters
Count:	3082
RMSE:	0.034
RMSE*1.96 (95% CI - NSSDA)	0.067

<i>Bin</i>	<i>Frequency</i>
-0.1	4
-0.05	274
0	1606
0.05	1053
0.1	135
0.15	8
0.2	2
Sum	3082



Number	Easting	Northing	Known Z	Laser Z	Dz	Dz^2
4295	498979.9	7248845	545.665	545.56	-0.105	0.011025
2679	500372.4	7248059	580.025	579.92	-0.105	0.011025
4034	501345.6	7247351	592.884	592.78	-0.104	0.010816
2333	496544.7	7249663	510.652	510.55	-0.102	0.010404
1737	500707.5	7247828	589.657	589.56	-0.097	0.009409
2721	500797	7247824	593.866	593.77	-0.096	0.009216
2562	499081.1	7248772	547.773	547.68	-0.093	0.008649
2559	499054.2	7248793	547.012	546.92	-0.092	0.008464
2427	497542.2	7249348	526.371	526.28	-0.091	0.008281
1637	501332	7247381	593.921	593.83	-0.091	0.008281
2726	500856.4	7247829	596.591	596.5	-0.091	0.008281
2221	495869.7	7249508	505.179	505.09	-0.089	0.007921
2560	499063.4	7248786	547.408	547.32	-0.088	0.007744
3058	504023.6	7246416	571.268	571.18	-0.088	0.007744
1899	499070.8	7248780	547.536	547.45	-0.086	0.007396
1638	501328.8	7247391	594.216	594.13	-0.086	0.007396
2561	499072.3	7248779	547.585	547.5	-0.085	0.007225
4474	497072.3	7249593	525.064	524.98	-0.084	0.007056
4410	497711.5	7249295	528.364	528.28	-0.084	0.007056
3738	504565.5	7246353	578.484	578.4	-0.084	0.007056
1368	504023.7	7246416	571.253	571.17	-0.083	0.006889
4118	500827.9	7247826	595.213	595.13	-0.083	0.006889
1189	505894	7246290	599.003	598.92	-0.083	0.006889
2360	496837.1	7249649	520.542	520.46	-0.082	0.006724
2428	497552.2	7249341	526.292	526.21	-0.082	0.006724
2233	495924.5	7249390	505.551	505.47	-0.081	0.006561
2142	496559.1	7249670	512.411	512.33	-0.081	0.006561
2337	496583.6	7249680	514.401	514.32	-0.081	0.006561
2423	497504.1	7249378	527.021	526.94	-0.081	0.006561
2148	496498	7249642	508.51	508.43	-0.08	0.0064
2422	497494.8	7249385	527	526.92	-0.08	0.0064
2558	499044.7	7248800	546.71	546.63	-0.08	0.0064
1369	504019.2	7246423	570.33	570.25	-0.08	0.0064
3115	504568.1	7246355	578.5	578.42	-0.08	0.0064
2717	500749.4	7247824	591.62	591.54	-0.08	0.0064

1639	501325.9	7247401	594.67	594.59	-0.08	0.0064
2155	496429.6	7249625	508.309	508.23	-0.079	0.006241
2552	498983.3	7248843	545.729	545.65	-0.079	0.006241
4291	499015.1	7248822	546.149	546.07	-0.079	0.006241
2817	501361.4	7247322	591.979	591.9	-0.079	0.006241
2226	495873.9	7249445	505.688	505.61	-0.078	0.006084
2056	497428.9	7249443	526.988	526.91	-0.078	0.006084
2554	499004.6	7248829	545.918	545.84	-0.078	0.006084
4290	499023.4	7248816	546.378	546.3	-0.078	0.006084
3691	504869.6	7246507	586.118	586.04	-0.078	0.006084
2815	501349.3	7247343	592.668	592.59	-0.078	0.006084
1636	501335.7	7247372	593.588	593.51	-0.078	0.006084
1651	501317.6	7247521	598.678	598.6	-0.078	0.006084
2053	497455	7249420	526.927	526.85	-0.077	0.005929
1901	499051.9	7248795	546.887	546.81	-0.077	0.005929
4286	499053.9	7248793	546.987	546.91	-0.077	0.005929
3793	504019.9	7246422	570.497	570.42	-0.077	0.005929
1723	500883.1	7247832	597.797	597.72	-0.077	0.005929
2294	496162.3	7249649	507.136	507.06	-0.076	0.005776
4484	496958.1	7249597	522.135	522.06	-0.075	0.005625
2388	497169.6	7249597	525.335	525.26	-0.075	0.005625
4408	497736.1	7249296	529.275	529.2	-0.075	0.005625
4284	499067.6	7248783	547.475	547.4	-0.075	0.005625
1633	501349.5	7247343	592.665	592.59	-0.075	0.005625
3224	505606.1	7246289	595.125	595.05	-0.075	0.005625
4298	498951.9	7248860	545.184	545.11	-0.074	0.005476
1793	500218	7248220	575.064	574.99	-0.074	0.005476
3928	502502.5	7246756	582.154	582.08	-0.074	0.005476
4127	500708.6	7247828	589.694	589.62	-0.074	0.005476
4598	495873.9	7249527	505.253	505.18	-0.073	0.005329
4456	497267.6	7249570	526.023	525.95	-0.073	0.005329
4306	498872.1	7248897	543.203	543.13	-0.073	0.005329
1728	500818.5	7247826	594.753	594.68	-0.073	0.005329
2295	496170.8	7249654	507.102	507.03	-0.072	0.005184
4504	496747	7249686	519.052	518.98	-0.072	0.005184
4450	497321.9	7249536	528.552	528.48	-0.072	0.005184
2519	498592.1	7248980	537.482	537.41	-0.072	0.005184

4282	499079.9	7248773	547.752	547.68	-0.072	0.005184
3152	504815.2	7246570	580.642	580.57	-0.072	0.005184
2319	496402.6	7249625	508.501	508.43	-0.071	0.005041
2370	496956.3	7249597	522.081	522.01	-0.071	0.005041
2075	497260.4	7249573	525.511	525.44	-0.071	0.005041
2526	498674.2	7248952	536.381	536.31	-0.071	0.005041
1635	501339.8	7247362	593.241	593.17	-0.071	0.005041
2236	495935.7	7249364	505.63	505.56	-0.07	0.0049
2278	496019.2	7249622	505.88	505.81	-0.07	0.0049
2293	496153.8	7249644	507.2	507.13	-0.07	0.0049
2357	496803.7	7249665	520.21	520.14	-0.07	0.0049
2401	497302.8	7249549	527.94	527.87	-0.07	0.0049
2555	499015	7248822	546.14	546.07	-0.07	0.0049
1640	501323.4	7247411	595.1	595.03	-0.07	0.0049
4465	497169.8	7249596	525.319	525.25	-0.069	0.004761
2556	499025.1	7248815	546.439	546.37	-0.069	0.004761
2390	497192	7249592	524.338	524.27	-0.068	0.004624
4431	497487.3	7249392	526.838	526.77	-0.068	0.004624
4429	497504.5	7249377	527.018	526.95	-0.068	0.004624
4283	499073.9	7248777	547.618	547.55	-0.068	0.004624
3057	504019.1	7246423	570.348	570.28	-0.068	0.004624
3737	504573.2	7246361	578.378	578.31	-0.068	0.004624
1603	501607.3	7247127	588.028	587.96	-0.068	0.004624
1725	500857.2	7247829	596.618	596.55	-0.068	0.004624
2350	496727.6	7249690	518.927	518.86	-0.067	0.004489
4430	497495.9	7249384	527.027	526.96	-0.067	0.004489
4297	498961.4	7248855	545.257	545.19	-0.067	0.004489
1904	499023	7248817	546.357	546.29	-0.067	0.004489
4154	500416.9	7247995	580.637	580.57	-0.067	0.004489
1733	500755.7	7247824	591.897	591.83	-0.067	0.004489
4035	501340.1	7247362	593.247	593.18	-0.067	0.004489
2272	495966.3	7249622	505.686	505.62	-0.066	0.004356
1906	499003.5	7248830	545.906	545.84	-0.066	0.004356
2722	500809	7247825	594.366	594.3	-0.066	0.004356
2228	495882.1	7249431	505.515	505.45	-0.065	0.004225
4480	497003.9	7249590	523.235	523.17	-0.065	0.004225
4457	497257.3	7249574	525.295	525.23	-0.065	0.004225

2398	497275.1	7249566	526.465	526.4	-0.065	0.004225
2400	497293.7	7249555	527.455	527.39	-0.065	0.004225
2070	497307.2	7249547	528.095	528.03	-0.065	0.004225
1939	498636.9	7248964	537.515	537.45	-0.065	0.004225
1898	499079.8	7248773	547.755	547.69	-0.065	0.004225
1279	504831	7246555	582.425	582.36	-0.065	0.004225
4600	495869.8	7249509	505.164	505.1	-0.064	0.004096
2186	496152	7249643	507.194	507.13	-0.064	0.004096
4537	496401	7249626	508.504	508.44	-0.064	0.004096
2088	497122.5	7249598	525.844	525.78	-0.064	0.004096
4418	497615.4	7249311	526.234	526.17	-0.064	0.004096
4424	497550.2	7249342	526.304	526.24	-0.064	0.004096
4425	497540.5	7249349	526.384	526.32	-0.064	0.004096
4417	497627	7249307	526.404	526.34	-0.064	0.004096
4455	497277.4	7249565	526.584	526.52	-0.064	0.004096
1282	504814.2	7246571	580.514	580.45	-0.064	0.004096
4135	500609.5	7247854	585.894	585.83	-0.064	0.004096
1634	501344.5	7247352	592.924	592.86	-0.064	0.004096
2150	496478	7249634	508.403	508.34	-0.063	0.003969
2334	496554.3	7249668	511.893	511.83	-0.063	0.003969
2123	496746.9	7249686	519.043	518.98	-0.063	0.003969
4423	497560.2	7249336	526.173	526.11	-0.063	0.003969
2072	497289.3	7249558	527.163	527.1	-0.063	0.003969
1607	501565.4	7247153	588.223	588.16	-0.063	0.003969
1630	501366.3	7247314	591.753	591.69	-0.063	0.003969
2814	501343.5	7247354	592.963	592.9	-0.063	0.003969
3605	505889.9	7246291	598.753	598.69	-0.063	0.003969
4445	497364.1	7249500	529.052	528.99	-0.062	0.003844
1909	498973.6	7248849	545.522	545.46	-0.062	0.003844
3792	504024.7	7246415	571.482	571.42	-0.062	0.003844
1277	504841.5	7246543	583.452	583.39	-0.062	0.003844
2850	501650.3	7247099	587.592	587.53	-0.062	0.003844
3195	505237.8	7246381	594.822	594.76	-0.062	0.003844
4114	500881.1	7247832	597.712	597.65	-0.062	0.003844
2243	495975.9	7249394	506.401	506.34	-0.061	0.003721
4398	497857.5	7249314	534.961	534.9	-0.061	0.003721
2475	498099.2	7249285	541.461	541.4	-0.061	0.003721

1900	499061.5	7248788	547.341	547.28	-0.061	0.003721
4020	501462.6	7247221	589.601	589.54	-0.061	0.003721
1620	501443.7	7247234	589.891	589.83	-0.061	0.003721
3192	505200	7246391	594.291	594.23	-0.061	0.003721
4051	501322.8	7247549	599.721	599.66	-0.061	0.003721
1702	501154.4	7247864	602.891	602.83	-0.061	0.003721
2217	495881	7249549	505.46	505.4	-0.06	0.0036
2241	495974.6	7249375	506.24	506.18	-0.06	0.0036
2289	496119.8	7249626	506.67	506.61	-0.06	0.0036
2303	496245.4	7249673	507.38	507.32	-0.06	0.0036
2306	496273.9	7249668	507.73	507.67	-0.06	0.0036
2361	496848.4	7249644	520.63	520.57	-0.06	0.0036
2082	497185.2	7249594	524.6	524.54	-0.06	0.0036
2043	497541.8	7249348	526.35	526.29	-0.06	0.0036
2027	497709.9	7249295	528.3	528.24	-0.06	0.0036
4294	498989	7248840	545.75	545.69	-0.06	0.0036
3110	504527.2	7246318	578.67	578.61	-0.06	0.0036
1771	500387	7248036	580.36	580.3	-0.06	0.0036
3700	504813.9	7246571	580.49	580.43	-0.06	0.0036
1660	501336.6	7247609	601.72	601.66	-0.06	0.0036
4563	496148.2	7249641	507.209	507.15	-0.059	0.003481
2309	496302.4	7249658	508.349	508.29	-0.059	0.003481
2430	497573.1	7249329	526.109	526.05	-0.059	0.003481
2441	497703.5	7249294	528.059	528	-0.059	0.003481
4285	499060.9	7248788	547.329	547.27	-0.059	0.003481
1626	501393.7	7247278	590.869	590.81	-0.059	0.003481
1629	501372.6	7247305	591.549	591.49	-0.059	0.003481
1247	505155.5	7246402	593.789	593.73	-0.059	0.003481
2194	496087	7249618	506.478	506.42	-0.058	0.003364
2153	496448.7	7249627	508.098	508.04	-0.058	0.003364
2330	496515.3	7249649	508.738	508.68	-0.058	0.003364
4506	496725.9	7249691	518.918	518.86	-0.058	0.003364
4463	497191	7249593	524.368	524.31	-0.058	0.003364
2426	497532.4	7249355	526.548	526.49	-0.058	0.003364
2484	498195.5	7249230	539.558	539.5	-0.058	0.003364
4566	496122.4	7249628	506.737	506.68	-0.057	0.003249
2409	497375.7	7249490	528.957	528.9	-0.057	0.003249

4315	498769.2	7248929	539.007	538.95	-0.057	0.003249
2158	496402.1	7249626	508.486	508.43	-0.056	0.003136
4514	496641.7	7249692	517.376	517.32	-0.056	0.003136
2397	497265.5	7249570	525.886	525.83	-0.056	0.003136
2424	497513.4	7249370	526.926	526.87	-0.056	0.003136
2020	497790.9	7249304	531.396	531.34	-0.056	0.003136
4376	498102.5	7249283	541.446	541.39	-0.056	0.003136
4281	499090.3	7248764	547.886	547.83	-0.056	0.003136
1609	501544.4	7247167	588.406	588.35	-0.056	0.003136
1616	501479.3	7247210	589.366	589.31	-0.056	0.003136
2723	500820.9	7247825	594.856	594.8	-0.056	0.003136
1647	501314.8	7247482	597.566	597.51	-0.056	0.003136
2801	501315.9	7247506	598.276	598.22	-0.056	0.003136
1665	501348.7	7247659	602.326	602.27	-0.056	0.003136
2285	496084.4	7249617	506.545	506.49	-0.055	0.003025
4565	496131.3	7249632	507.005	506.95	-0.055	0.003025
2076	497249.9	7249577	524.655	524.6	-0.055	0.003025
4427	497522	7249363	526.765	526.71	-0.055	0.003025
4438	497426	7249446	527.025	526.97	-0.055	0.003025
4379	498070.6	7249295	541.175	541.12	-0.055	0.003025
2550	498961	7248855	545.245	545.19	-0.055	0.003025
1274	504862.8	7246515	585.405	585.35	-0.055	0.003025
4007	501606.1	7247128	588.025	587.97	-0.055	0.003025
3677	504993.2	7246441	592.025	591.97	-0.055	0.003025
2222	495868.2	7249499	505.204	505.15	-0.054	0.002916
2312	496332	7249646	508.544	508.49	-0.054	0.002916
2145	496529	7249656	509.214	509.16	-0.054	0.002916
2127	496704	7249693	518.564	518.51	-0.054	0.002916
2396	497255.9	7249574	525.194	525.14	-0.054	0.002916
4421	497581.2	7249325	526.054	526	-0.054	0.002916
2041	497560.3	7249336	526.164	526.11	-0.054	0.002916
2421	497485.6	7249393	526.814	526.76	-0.054	0.002916
2071	497298.3	7249553	527.684	527.63	-0.054	0.002916
2462	497946.3	7249319	537.774	537.72	-0.054	0.002916
2483	498184.8	7249237	539.954	539.9	-0.054	0.002916
3151	504808.3	7246575	580.054	580	-0.054	0.002916
3965	502021	7246910	580.644	580.59	-0.054	0.002916

4036	501335.3	7247373	593.634	593.58	-0.054	0.002916
3250	505931.2	7246279	600.404	600.35	-0.054	0.002916
2281	496047.5	7249618	506.493	506.44	-0.053	0.002809
2325	496466	7249630	508.403	508.35	-0.053	0.002809
2042	497550.9	7249342	526.283	526.23	-0.053	0.002809
4432	497478.7	7249399	526.863	526.81	-0.053	0.002809
2444	497737.6	7249296	529.323	529.27	-0.053	0.002809
1908	498983.6	7248843	545.723	545.67	-0.053	0.002809
3150	504801.1	7246579	579.463	579.41	-0.053	0.002809
3155	504834.5	7246551	582.773	582.72	-0.053	0.002809
2849	501640.6	7247106	587.683	587.63	-0.053	0.002809
3673	505034.8	7246432	592.543	592.49	-0.053	0.002809
3189	505163	7246400	593.883	593.83	-0.053	0.002809
2205	495986.7	7249625	505.612	505.56	-0.052	0.002704
2292	496145.3	7249639	507.252	507.2	-0.052	0.002704
2149	496487.9	7249637	508.452	508.4	-0.052	0.002704
4515	496631.1	7249691	517.092	517.04	-0.052	0.002704
2436	497643.7	7249302	526.712	526.66	-0.052	0.002704
4428	497513.1	7249370	526.932	526.88	-0.052	0.002704
4453	497296	7249554	527.562	527.51	-0.052	0.002704
2014	497857.3	7249314	534.952	534.9	-0.052	0.002704
4396	497879.9	7249317	535.562	535.51	-0.052	0.002704
1905	499013.3	7248823	546.092	546.04	-0.052	0.002704
1892	499132.6	7248729	547.682	547.63	-0.052	0.002704
3144	504740.4	7246579	576.622	576.57	-0.052	0.002704
3708	504741.9	7246580	576.692	576.64	-0.052	0.002704
1566	501966.5	7246929	580.952	580.9	-0.052	0.002704
3156	504840.4	7246544	583.352	583.3	-0.052	0.002704
1605	501586.5	7247140	588.122	588.07	-0.052	0.002704
1245	505181.2	7246395	593.962	593.91	-0.052	0.002704
2809	501323.4	7247412	595.112	595.06	-0.052	0.002704
1190	505881.7	7246293	598.262	598.21	-0.052	0.002704
4053	501327.8	7247572	600.662	600.61	-0.052	0.002704
4057	501339	7247619	601.912	601.86	-0.052	0.002704
2355	496782.1	7249674	519.771	519.72	-0.051	0.002601
2368	496931.7	7249605	521.581	521.53	-0.051	0.002601
2429	497562.4	7249335	526.161	526.11	-0.051	0.002601

2046	497515.5	7249368	526.881	526.83	-0.051	0.002601
2445	497749.2	7249297	529.701	529.65	-0.051	0.002601
4326	498637.8	7248964	537.481	537.43	-0.051	0.002601
1928	498765.6	7248930	538.791	538.74	-0.051	0.002601
2468	498018.1	7249309	539.901	539.85	-0.051	0.002601
4275	499136	7248727	547.721	547.67	-0.051	0.002601
4178	500224.2	7248216	574.991	574.94	-0.051	0.002601
2680	500379.7	7248047	580.101	580.05	-0.051	0.002601
4009	501584.2	7247142	588.141	588.09	-0.051	0.002601
4594	495885.4	7249560	505.57	505.52	-0.05	0.0025
4521	496567.7	7249674	513.2	513.15	-0.05	0.0025
2038	497590.7	7249320	526.02	525.97	-0.05	0.0025
4420	497592.4	7249320	526.03	525.98	-0.05	0.0025
2051	497472	7249404	526.93	526.88	-0.05	0.0025
2415	497431	7249441	527	526.95	-0.05	0.0025
2413	497412.8	7249458	527.5	527.45	-0.05	0.0025
2671	500315.4	7248143	577.16	577.11	-0.05	0.0025
3736	504580.6	7246370	578.24	578.19	-0.05	0.0025
2909	502308.3	7246819	579.64	579.59	-0.05	0.0025
2694	500499.6	7247914	582.13	582.08	-0.05	0.0025
4027	501393.5	7247278	590.86	590.81	-0.05	0.0025
2193	496095.8	7249619	506.359	506.31	-0.049	0.002401
2144	496539.5	7249661	509.939	509.89	-0.049	0.002401
2044	497532.9	7249354	526.509	526.46	-0.049	0.002401
2420	497476.3	7249401	526.899	526.85	-0.049	0.002401
2419	497467.1	7249409	526.939	526.89	-0.049	0.002401
4433	497470.2	7249406	526.939	526.89	-0.049	0.002401
2439	497680.2	7249296	527.239	527.19	-0.049	0.002401
4452	497304.8	7249548	528.019	527.97	-0.049	0.002401
2402	497311.8	7249543	528.299	528.25	-0.049	0.002401
2449	497797.3	7249305	531.749	531.7	-0.049	0.002401
1926	498789.4	7248924	540.019	539.97	-0.049	0.002401
3055	504009.2	7246436	568.769	568.72	-0.049	0.002401
1746	500606.6	7247855	585.769	585.72	-0.049	0.002401
3688	504890.8	7246487	587.639	587.59	-0.049	0.002401
1604	501596.9	7247133	588.089	588.04	-0.049	0.002401
1614	501496.8	7247198	589.159	589.11	-0.049	0.002401

1260	504994.1	7246441	592.049	592	-0.049	0.002401
4115	500867.8	7247831	597.069	597.02	-0.049	0.002401
4056	501336.2	7247608	601.689	601.64	-0.049	0.002401
2223	495867.2	7249491	505.268	505.22	-0.048	0.002304
4591	495898.9	7249582	505.908	505.86	-0.048	0.002304
2172	496273.7	7249668	507.718	507.67	-0.048	0.002304
2151	496468.3	7249631	508.388	508.34	-0.048	0.002304
2417	497449	7249425	526.918	526.87	-0.048	0.002304
2440	497692.1	7249295	527.568	527.52	-0.048	0.002304
4406	497761.4	7249299	530.018	529.97	-0.048	0.002304
4403	497799	7249305	531.838	531.79	-0.048	0.002304
2512	498513.6	7249017	534.788	534.74	-0.048	0.002304
2456	497877.9	7249316	535.498	535.45	-0.048	0.002304
2568	499135.9	7248727	547.718	547.67	-0.048	0.002304
1371	504008.7	7246437	568.678	568.63	-0.048	0.002304
3795	504009.8	7246436	568.818	568.77	-0.048	0.002304
3747	504480.8	7246292	577.948	577.9	-0.048	0.002304
3742	504530.7	7246321	578.628	578.58	-0.048	0.002304
3154	504828.3	7246558	582.108	582.06	-0.048	0.002304
1578	501844.4	7246983	582.958	582.91	-0.048	0.002304
4122	500773.8	7247824	592.738	592.69	-0.048	0.002304
2727	500868.2	7247830	597.078	597.03	-0.048	0.002304
4046	501315	7247490	597.858	597.81	-0.048	0.002304
3246	505887	7246292	598.588	598.54	-0.048	0.002304
4049	501318.3	7247525	598.858	598.81	-0.048	0.002304
4085	501268.9	7247875	602.348	602.3	-0.048	0.002304
2276	496001.3	7249625	505.707	505.66	-0.047	0.002209
4550	496272.4	7249669	507.697	507.65	-0.047	0.002209
4529	496483.3	7249636	508.427	508.38	-0.047	0.002209
4508	496704.9	7249693	518.577	518.53	-0.047	0.002209
2434	497619.5	7249310	526.307	526.26	-0.047	0.002209
2403	497320.7	7249536	528.537	528.49	-0.047	0.002209
4446	497355.6	7249508	529.067	529.02	-0.047	0.002209
4312	498804.5	7248920	540.607	540.56	-0.047	0.002209
3791	504029.2	7246407	572.497	572.45	-0.047	0.002209
2681	500386.9	7248036	580.357	580.31	-0.047	0.002209
4158	500388	7248035	580.357	580.31	-0.047	0.002209

1272	504874.4	7246501	586.667	586.62	-0.047	0.002209
1602	501617.6	7247120	588.067	588.02	-0.047	0.002209
2833	501497.4	7247197	589.147	589.1	-0.047	0.002209
1623	501417.7	7247254	590.247	590.2	-0.047	0.002209
2719	500773.3	7247824	592.717	592.67	-0.047	0.002209
3660	505164.2	7246400	593.877	593.83	-0.047	0.002209
1233	505336.6	7246356	595.327	595.28	-0.047	0.002209
1234	505323.7	7246359	595.327	595.28	-0.047	0.002209
2778	501369.3	7247778	601.387	601.34	-0.047	0.002209
2218	495878.3	7249541	505.356	505.31	-0.046	0.002116
2227	495877.7	7249438	505.646	505.6	-0.046	0.002116
2246	495951.5	7249408	506.026	505.98	-0.046	0.002116
4561	496165.2	7249651	507.096	507.05	-0.046	0.002116
4507	496715.3	7249692	518.766	518.72	-0.046	0.002116
4476	497049.7	7249591	524.476	524.43	-0.046	0.002116
2406	497347.8	7249514	529.006	528.96	-0.046	0.002116
4407	497748.6	7249297	529.686	529.64	-0.046	0.002116
1923	498824.3	7248914	541.296	541.25	-0.046	0.002116
2544	498891.8	7248888	543.916	543.87	-0.046	0.002116
3794	504014.9	7246429	569.586	569.54	-0.046	0.002116
3031	503810.9	7246343	572.196	572.15	-0.046	0.002116
3954	502162.5	7246865	580.146	580.1	-0.046	0.002116
1280	504825.7	7246561	581.746	581.7	-0.046	0.002116
3157	504846.4	7246536	583.926	583.88	-0.046	0.002116
3159	504858.7	7246520	584.996	584.95	-0.046	0.002116
3214	505482	7246319	595.366	595.32	-0.046	0.002116
1223	505462.8	7246324	595.406	595.36	-0.046	0.002116
1661	501339	7247619	601.906	601.86	-0.046	0.002116
2250	495914.4	7249404	505.325	505.28	-0.045	0.002025
2273	495974.9	7249624	505.625	505.58	-0.045	0.002025
2216	495887.7	7249565	505.655	505.61	-0.045	0.002025
2269	495941.3	7249614	505.905	505.86	-0.045	0.002025
2245	495962	7249407	506.215	506.17	-0.045	0.002025
2296	496179.4	7249659	507.045	507	-0.045	0.002025
4494	496850.3	7249643	520.655	520.61	-0.045	0.002025
1940	498626.6	7248967	537.805	537.76	-0.045	0.002025
2005	497954.6	7249319	538.045	538	-0.045	0.002025

1995	498057.6	7249298	540.815	540.77	-0.045	0.002025
4300	498932.8	7248870	544.965	544.92	-0.045	0.002025
3109	504518.4	7246312	578.655	578.61	-0.045	0.002025
1563	501999.1	7246917	580.665	580.62	-0.045	0.002025
1600	501638.2	7247107	587.735	587.69	-0.045	0.002025
1618	501461.6	7247221	589.625	589.58	-0.045	0.002025
2714	500713.7	7247828	589.965	589.92	-0.045	0.002025
3661	505156.3	7246402	593.795	593.75	-0.045	0.002025
4582	495966.6	7249623	505.664	505.62	-0.044	0.001936
4547	496302.3	7249658	508.334	508.29	-0.044	0.001936
2138	496597.2	7249684	515.364	515.32	-0.044	0.001936
2107	496916.1	7249611	521.304	521.26	-0.044	0.001936
4475	497061.1	7249592	524.814	524.77	-0.044	0.001936
2036	497612.3	7249312	526.194	526.15	-0.044	0.001936
4409	497723.8	7249295	528.824	528.78	-0.044	0.001936
1962	498400.2	7249088	533.454	533.41	-0.044	0.001936
2491	498272.2	7249177	536.284	536.24	-0.044	0.001936
1910	498963.4	7248854	545.284	545.24	-0.044	0.001936
2557	499035	7248808	546.674	546.63	-0.044	0.001936
1311	504578.6	7246366	578.314	578.27	-0.044	0.001936
3743	504521.2	7246315	578.634	578.59	-0.044	0.001936
1533	502339	7246809	580.694	580.65	-0.044	0.001936
3160	504865	7246512	585.624	585.58	-0.044	0.001936
2844	501592.8	7247136	588.104	588.06	-0.044	0.001936
2831	501478.9	7247210	589.354	589.31	-0.044	0.001936
1266	504925.6	7246465	589.574	589.53	-0.044	0.001936
4023	501430.8	7247243	590.064	590.02	-0.044	0.001936
4033	501351.5	7247339	592.564	592.52	-0.044	0.001936
1243	505207.3	7246388	594.374	594.33	-0.044	0.001936
4119	500814.4	7247825	594.564	594.52	-0.044	0.001936
3249	505920.2	7246283	600.084	600.04	-0.044	0.001936
1659	501334.1	7247599	601.494	601.45	-0.044	0.001936
4615	495923.1	7249392	505.493	505.45	-0.043	0.001849
2190	496121.5	7249627	506.703	506.66	-0.043	0.001849
4530	496472.9	7249632	508.403	508.36	-0.043	0.001849
2320	496413.2	7249625	508.513	508.47	-0.043	0.001849
2125	496725.3	7249691	518.893	518.85	-0.043	0.001849

2374	497005.9	7249590	523.303	523.26	-0.043	0.001849
2389	497180.8	7249595	524.823	524.78	-0.043	0.001849
2033	497644.3	7249302	526.703	526.66	-0.043	0.001849
2021	497779.2	7249302	530.823	530.78	-0.043	0.001849
4393	497913.6	7249319	536.503	536.46	-0.043	0.001849
1370	504014.1	7246430	569.443	569.4	-0.043	0.001849
1762	500449.8	7247959	581.103	581.06	-0.043	0.001849
3693	504857.5	7246522	584.853	584.81	-0.043	0.001849
3692	504863.4	7246514	585.453	585.41	-0.043	0.001849
2830	501469.4	7247216	589.543	589.5	-0.043	0.001849
4124	500747.4	7247825	591.523	591.48	-0.043	0.001849
3657	505192.8	7246392	594.163	594.12	-0.043	0.001849
3220	505556.6	7246300	595.003	594.96	-0.043	0.001849
2264	495900.5	7249584	505.942	505.9	-0.042	0.001764
2316	496371.7	7249631	508.632	508.59	-0.042	0.001764
2331	496525	7249654	509.052	509.01	-0.042	0.001764
2102	496972.1	7249594	522.562	522.52	-0.042	0.001764
2438	497668.1	7249297	526.962	526.92	-0.042	0.001764
2012	497878.8	7249317	535.522	535.48	-0.042	0.001764
4363	498242.9	7249197	537.622	537.58	-0.042	0.001764
4327	498627.2	7248967	537.792	537.75	-0.042	0.001764
2476	498110.3	7249280	541.412	541.37	-0.042	0.001764
2551	498972.2	7248849	545.492	545.45	-0.042	0.001764
1902	499042.3	7248802	546.722	546.68	-0.042	0.001764
2689	500452.7	7247956	581.152	581.11	-0.042	0.001764
3684	504924.7	7246465	589.532	589.49	-0.042	0.001764
2826	501431.4	7247243	590.052	590.01	-0.042	0.001764
3679	504973.2	7246447	591.452	591.41	-0.042	0.001764
3668	505082.4	7246420	593.152	593.11	-0.042	0.001764
3647	505317.5	7246361	595.282	595.24	-0.042	0.001764
1643	501317.9	7247441	596.222	596.18	-0.042	0.001764
1721	500908.9	7247836	598.702	598.66	-0.042	0.001764
4623	495977.4	7249384	506.331	506.29	-0.041	0.001681
4570	496083.8	7249618	506.511	506.47	-0.041	0.001681
2187	496144.6	7249639	507.221	507.18	-0.041	0.001681
4534	496431.1	7249625	508.281	508.24	-0.041	0.001681
4498	496808.9	7249662	520.301	520.26	-0.041	0.001681

4470	497116	7249598	525.771	525.73	-0.041	0.001681
4320	498708	7248943	536.661	536.62	-0.041	0.001681
2522	498626.4	7248967	537.811	537.77	-0.041	0.001681
4366	498209.2	7249221	538.961	538.92	-0.041	0.001681
1994	498067.5	7249295	541.101	541.06	-0.041	0.001681
4278	499114	7248745	547.871	547.83	-0.041	0.001681
3056	504014.2	7246429	569.491	569.45	-0.041	0.001681
3943	502305.6	7246819	579.551	579.51	-0.041	0.001681
4153	500425	7247986	580.631	580.59	-0.041	0.001681
4008	501595.2	7247135	588.101	588.06	-0.041	0.001681
2841	501565.7	7247153	588.211	588.17	-0.041	0.001681
4018	501484.3	7247206	589.321	589.28	-0.041	0.001681
1225	505437.8	7246330	595.321	595.28	-0.041	0.001681
4042	501317.8	7247442	596.261	596.22	-0.041	0.001681
3600	505952.3	7246271	600.901	600.86	-0.041	0.001681
2764	501277.7	7247873	601.991	601.95	-0.041	0.001681
4060	501347.6	7247654	602.311	602.27	-0.041	0.001681
4602	495867	7249491	505.25	505.21	-0.04	0.0016
4607	495872.5	7249448	505.67	505.63	-0.04	0.0016
2094	497059.2	7249592	524.75	524.71	-0.04	0.0016
2437	497655.9	7249300	526.84	526.8	-0.04	0.0016
2058	497411.2	7249459	527.54	527.5	-0.04	0.0016
2446	497761	7249299	530	529.96	-0.04	0.0016
4322	498683.7	7248949	536.32	536.28	-0.04	0.0016
4190	500082.9	7248259	574.05	574.01	-0.04	0.0016
2685	500417.8	7247994	580.61	580.57	-0.04	0.0016
2688	500443.8	7247965	581.03	580.99	-0.04	0.0016
4148	500469.2	7247940	581.35	581.31	-0.04	0.0016
3695	504845.8	7246537	583.85	583.81	-0.04	0.0016
1628	501379.3	7247296	591.22	591.18	-0.04	0.0016
1631	501360.3	7247324	592.04	592	-0.04	0.0016
3178	505032.7	7246432	592.53	592.49	-0.04	0.0016
1246	505168.3	7246398	593.88	593.84	-0.04	0.0016
1724	500870.2	7247831	597.17	597.13	-0.04	0.0016
1648	501314.8	7247491	597.91	597.87	-0.04	0.0016
1649	501315.4	7247501	598.2	598.16	-0.04	0.0016
4047	501315.4	7247502	598.2	598.16	-0.04	0.0016

4601	495868.2	7249500	505.189	505.15	-0.039	0.001521
4581	495975.8	7249624	505.609	505.57	-0.039	0.001521
2308	496292.9	7249662	508.129	508.09	-0.039	0.001521
2336	496573.5	7249676	513.679	513.64	-0.039	0.001521
4449	497330.3	7249529	528.659	528.62	-0.039	0.001521
2410	497385	7249482	528.729	528.69	-0.039	0.001521
4405	497774.1	7249301	530.579	530.54	-0.039	0.001521
4321	498695.8	7248946	536.429	536.39	-0.039	0.001521
1897	499088.7	7248766	547.859	547.82	-0.039	0.001521
1283	504801.6	7246579	579.499	579.46	-0.039	0.001521
2705	500610.1	7247854	585.909	585.87	-0.039	0.001521
4017	501495.2	7247199	589.159	589.12	-0.039	0.001521
2720	500785.1	7247824	593.299	593.26	-0.039	0.001521
3187	505139.1	7246406	593.569	593.53	-0.039	0.001521
1726	500844.1	7247828	596.039	596	-0.039	0.001521
3618	505711.6	7246284	596.639	596.6	-0.039	0.001521
3245	505875.3	7246294	597.979	597.94	-0.039	0.001521
3606	505876.4	7246294	598.009	597.97	-0.039	0.001521
1184	505951.9	7246271	600.889	600.85	-0.039	0.001521
2763	501269.4	7247875	602.329	602.29	-0.039	0.001521
4533	496441.6	7249626	508.138	508.1	-0.038	0.001444
2326	496476.2	7249633	508.418	508.38	-0.038	0.001444
2310	496312.1	7249654	508.458	508.42	-0.038	0.001444
4544	496331.9	7249646	508.538	508.5	-0.038	0.001444
2047	497506.7	7249375	526.978	526.94	-0.038	0.001444
2407	497357	7249506	529.058	529.02	-0.038	0.001444
2467	498006	7249312	539.578	539.54	-0.038	0.001444
4313	498792.9	7248923	540.168	540.13	-0.038	0.001444
2473	498076.7	7249293	541.318	541.28	-0.038	0.001444
4305	498882.8	7248892	543.648	543.61	-0.038	0.001444
1917	498890.5	7248889	543.868	543.83	-0.038	0.001444
1915	498911.6	7248880	544.498	544.46	-0.038	0.001444
1534	502328.7	7246812	580.368	580.33	-0.038	0.001444
1532	502349.1	7246805	580.938	580.9	-0.038	0.001444
4140	500551.5	7247881	583.788	583.75	-0.038	0.001444
1590	501737.9	7247043	585.948	585.91	-0.038	0.001444
2824	501413.5	7247258	590.278	590.24	-0.038	0.001444

2813	501338.4	7247365	593.338	593.3	-0.038	0.001444
2800	501317.1	7247517	598.508	598.47	-0.038	0.001444
3252	505953.5	7246270	600.898	600.86	-0.038	0.001444
1678	501369.1	7247780	601.268	601.23	-0.038	0.001444
2247	495941.1	7249405	505.837	505.8	-0.037	0.001369
2175	496245.8	7249673	507.367	507.33	-0.037	0.001369
2323	496445.2	7249626	508.107	508.07	-0.037	0.001369
2328	496495.9	7249640	508.507	508.47	-0.037	0.001369
2451	497821.5	7249309	533.127	533.09	-0.037	0.001369
4353	498350.9	7249122	533.647	533.61	-0.037	0.001369
2537	498808.4	7248919	540.757	540.72	-0.037	0.001369
1924	498812.8	7248918	540.897	540.86	-0.037	0.001369
4289	499031.3	7248811	546.607	546.57	-0.037	0.001369
4287	499046.6	7248799	546.707	546.67	-0.037	0.001369
4276	499129.5	7248732	547.697	547.66	-0.037	0.001369
2967	503056.3	7246579	578.857	578.82	-0.037	0.001369
1549	502154.6	7246868	580.137	580.1	-0.037	0.001369
2936	502657.1	7246707	584.067	584.03	-0.037	0.001369
4022	501441.3	7247236	589.927	589.89	-0.037	0.001369
1736	500719.4	7247827	590.227	590.19	-0.037	0.001369
4026	501402	7247269	590.497	590.46	-0.037	0.001369
2818	501367.9	7247311	591.677	591.64	-0.037	0.001369
3676	505003.4	7246439	592.207	592.17	-0.037	0.001369
3202	505328.8	7246358	595.297	595.26	-0.037	0.001369
1200	505755.9	7246290	597.437	597.4	-0.037	0.001369
1652	501319.1	7247531	599.087	599.05	-0.037	0.001369
1688	501310.4	7247860	599.857	599.82	-0.037	0.001369
4055	501333.3	7247596	601.397	601.36	-0.037	0.001369
2290	496128.5	7249630	506.926	506.89	-0.036	0.001296
2178	496218.5	7249672	507.176	507.14	-0.036	0.001296
2322	496434.5	7249625	508.236	508.2	-0.036	0.001296
2340	496614.9	7249688	516.456	516.42	-0.036	0.001296
2130	496673.6	7249694	518.116	518.08	-0.036	0.001296
4511	496673.4	7249694	518.116	518.08	-0.036	0.001296
4495	496840	7249648	520.566	520.53	-0.036	0.001296
2364	496883.2	7249626	520.956	520.92	-0.036	0.001296
2099	497005.2	7249590	523.266	523.23	-0.036	0.001296

2078	497227.8	7249584	523.646	523.61	-0.036	0.001296
4473	497083.2	7249595	525.216	525.18	-0.036	0.001296
2385	497135.6	7249599	525.816	525.78	-0.036	0.001296
4350	498383.3	7249100	533.296	533.26	-0.036	0.001296
2481	498163.8	7249251	540.616	540.58	-0.036	0.001296
2472	498065.3	7249296	541.056	541.02	-0.036	0.001296
1991	498096.9	7249286	541.446	541.41	-0.036	0.001296
4261	499253.9	7248630	545.056	545.02	-0.036	0.001296
3121	504607.4	7246409	577.756	577.72	-0.036	0.001296
3696	504839.9	7246545	583.276	583.24	-0.036	0.001296
3924	502555.1	7246740	583.586	583.55	-0.036	0.001296
4004	501638.3	7247107	587.726	587.69	-0.036	0.001296
1741	500661.4	7247838	587.866	587.83	-0.036	0.001296
1263	504959.3	7246451	591.126	591.09	-0.036	0.001296
3678	504983.1	7246444	591.756	591.72	-0.036	0.001296
2154	496439.1	7249626	508.165	508.13	-0.035	0.001225
2324	496455.7	7249628	508.235	508.2	-0.035	0.001225
2147	496508.2	7249646	508.635	508.6	-0.035	0.001225
4518	496598.6	7249684	515.465	515.43	-0.035	0.001225
4513	496652.3	7249693	517.595	517.56	-0.035	0.001225
2345	496672	7249694	518.095	518.06	-0.035	0.001225
2348	496705.8	7249693	518.595	518.56	-0.035	0.001225
4496	496829.6	7249653	520.505	520.47	-0.035	0.001225
4422	497570.5	7249330	526.115	526.08	-0.035	0.001225
2030	497676.7	7249296	527.135	527.1	-0.035	0.001225
4451	497313.4	7249542	528.345	528.31	-0.035	0.001225
2025	497732.2	7249295	529.125	529.09	-0.035	0.001225
2502	498397.3	7249091	533.415	533.38	-0.035	0.001225
4378	498081.4	7249291	541.385	541.35	-0.035	0.001225
4303	498903.3	7248883	544.255	544.22	-0.035	0.001225
1780	500333.1	7248119	578.215	578.18	-0.035	0.001225
3892	502978.8	7246604	579.945	579.91	-0.035	0.001225
1570	501926.9	7246945	581.665	581.63	-0.035	0.001225
3698	504827.6	7246559	581.995	581.96	-0.035	0.001225
2877	501894.7	7246960	582.165	582.13	-0.035	0.001225
1278	504836.3	7246549	582.925	582.89	-0.035	0.001225
3162	504878.2	7246497	586.935	586.9	-0.035	0.001225

1621	501434.8	7247240	590.025	589.99	-0.035	0.001225
2816	501355.2	7247332	592.345	592.31	-0.035	0.001225
3181	505068	7246423	592.905	592.87	-0.035	0.001225
3190	505175.2	7246397	593.865	593.83	-0.035	0.001225
3201	505315.6	7246361	595.275	595.24	-0.035	0.001225
2724	500832.7	7247826	595.475	595.44	-0.035	0.001225
1677	501370	7247771	601.735	601.7	-0.035	0.001225
2300	496216.5	7249671	507.194	507.16	-0.034	0.001156
2332	496534.9	7249659	509.534	509.5	-0.034	0.001156
4519	496588	7249681	514.724	514.69	-0.034	0.001156
4497	496819.2	7249658	520.414	520.38	-0.034	0.001156
2432	497595.8	7249318	526.054	526.02	-0.034	0.001156
2068	497324.5	7249534	528.574	528.54	-0.034	0.001156
2061	497385.2	7249482	528.704	528.67	-0.034	0.001156
2531	498735.9	7248936	537.414	537.38	-0.034	0.001156
1999	498016.9	7249309	539.864	539.83	-0.034	0.001156
2563	499089.9	7248764	547.874	547.84	-0.034	0.001156
4210	499824.1	7248318	562.494	562.46	-0.034	0.001156
3014	503641.4	7246318	572.614	572.58	-0.034	0.001156
3096	504382.4	7246269	575.254	575.22	-0.034	0.001156
3100	504428.8	7246275	576.464	576.43	-0.034	0.001156
3116	504575.4	7246363	578.384	578.35	-0.034	0.001156
1769	500399.3	7248018	580.464	580.43	-0.034	0.001156
2687	500434.9	7247974	580.774	580.74	-0.034	0.001156
2915	502381.1	7246795	581.264	581.23	-0.034	0.001156
1755	500512	7247905	582.554	582.52	-0.034	0.001156
3981	501846.9	7246982	582.894	582.86	-0.034	0.001156
2712	500690	7247831	588.844	588.81	-0.034	0.001156
1624	501409.5	7247262	590.354	590.32	-0.034	0.001156
2810	501326.3	7247400	594.594	594.56	-0.034	0.001156
4112	500908.5	7247836	598.684	598.65	-0.034	0.001156
2239	495960.2	7249361	505.913	505.88	-0.033	0.001089
2304	496254.9	7249672	507.453	507.42	-0.033	0.001089
2335	496563.8	7249672	512.853	512.82	-0.033	0.001089
2365	496895.2	7249620	520.953	520.92	-0.033	0.001089
2057	497420	7249451	527.153	527.12	-0.033	0.001089
4412	497686.9	7249295	527.373	527.34	-0.033	0.001089

4394	497902.4	7249318	536.153	536.12	-0.033	0.001089
2525	498662	7248956	536.643	536.61	-0.033	0.001089
2523	498638.1	7248963	537.463	537.43	-0.033	0.001089
1930	498741.1	7248935	537.593	537.56	-0.033	0.001089
4372	498144.2	7249263	541.073	541.04	-0.033	0.001089
4256	499303	7248590	544.013	543.98	-0.033	0.001089
1914	498922.1	7248875	544.733	544.7	-0.033	0.001089
1911	498953.1	7248860	545.193	545.16	-0.033	0.001089
4292	499006.6	7248828	545.933	545.9	-0.033	0.001089
1893	499123.6	7248737	547.743	547.71	-0.033	0.001089
2623	499747.5	7248339	559.803	559.77	-0.033	0.001089
1416	503638.6	7246319	572.623	572.59	-0.033	0.001089
1792	500228.5	7248214	574.933	574.9	-0.033	0.001089
4179	500213.2	7248222	575.173	575.14	-0.033	0.001089
3104	504472.4	7246288	577.683	577.65	-0.033	0.001089
3882	503118.2	7246559	577.933	577.9	-0.033	0.001089
4164	500348.7	7248095	579.373	579.34	-0.033	0.001089
1553	502109.4	7246882	580.613	580.58	-0.033	0.001089
1560	502032.1	7246907	580.683	580.65	-0.033	0.001089
4150	500450.8	7247958	581.113	581.08	-0.033	0.001089
1525	502419.3	7246783	581.493	581.46	-0.033	0.001089
2872	501846.7	7246982	582.903	582.87	-0.033	0.001089
1276	504846.7	7246536	583.933	583.9	-0.033	0.001089
4133	500633.7	7247846	586.863	586.83	-0.033	0.001089
1617	501470.5	7247216	589.543	589.51	-0.033	0.001089
3654	505227.4	7246384	594.703	594.67	-0.033	0.001089
3198	505276.3	7246371	594.953	594.92	-0.033	0.001089
4117	500841.3	7247828	595.883	595.85	-0.033	0.001089
1185	505940.5	7246276	600.593	600.56	-0.033	0.001089
3601	505940.3	7246276	600.593	600.56	-0.033	0.001089
2262	495883.5	7249555	505.512	505.48	-0.032	0.001024
2206	495977.6	7249625	505.612	505.58	-0.032	0.001024
2207	495968.6	7249623	505.652	505.62	-0.032	0.001024
2283	496066.3	7249617	506.712	506.68	-0.032	0.001024
2291	496136.9	7249634	507.182	507.15	-0.032	0.001024
2302	496235.8	7249673	507.252	507.22	-0.032	0.001024
4535	496420.8	7249625	508.452	508.42	-0.032	0.001024

2164	496347.6	7249640	508.632	508.6	-0.032	0.001024
2137	496606.8	7249686	515.992	515.96	-0.032	0.001024
2128	496693.6	7249694	518.412	518.38	-0.032	0.001024
2358	496814.7	7249660	520.362	520.33	-0.032	0.001024
2079	497216.8	7249587	523.722	523.69	-0.032	0.001024
4478	497026.7	7249589	523.772	523.74	-0.032	0.001024
4469	497126.9	7249599	525.862	525.83	-0.032	0.001024
4416	497638.7	7249304	526.602	526.57	-0.032	0.001024
4415	497650.5	7249301	526.782	526.75	-0.032	0.001024
2458	497900.3	7249318	536.092	536.06	-0.032	0.001024
2007	497933.2	7249319	537.232	537.2	-0.032	0.001024
2461	497934.7	7249319	537.302	537.27	-0.032	0.001024
4253	499333.4	7248565	543.452	543.42	-0.032	0.001024
4259	499273.2	7248614	544.312	544.28	-0.032	0.001024
2580	499261.4	7248624	544.812	544.78	-0.032	0.001024
2578	499239.9	7248642	545.492	545.46	-0.032	0.001024
4277	499123.6	7248737	547.752	547.72	-0.032	0.001024
2898	502147.1	7246870	580.262	580.23	-0.032	0.001024
1561	502021.1	7246910	580.632	580.6	-0.032	0.001024
1514	502540.5	7246744	583.242	583.21	-0.032	0.001024
4003	501649	7247100	587.592	587.56	-0.032	0.001024
2840	501557	7247159	588.302	588.27	-0.032	0.001024
2834	501506.2	7247192	589.052	589.02	-0.032	0.001024
1262	504970.8	7246448	591.412	591.38	-0.032	0.001024
1193	505843.8	7246297	597.832	597.8	-0.032	0.001024
4110	500936	7247839	599.562	599.53	-0.032	0.001024
1716	500973.8	7247843	600.482	600.45	-0.032	0.001024
2259	495868.1	7249498	505.231	505.2	-0.031	0.000961
4618	495936.9	7249363	505.621	505.59	-0.031	0.000961
2263	495890.9	7249570	505.731	505.7	-0.031	0.000961
2180	496200.3	7249667	507.051	507.02	-0.031	0.000961
4526	496514.9	7249649	508.711	508.68	-0.031	0.000961
2163	496356.7	7249636	508.751	508.72	-0.031	0.000961
2343	496648.9	7249693	517.531	517.5	-0.031	0.000961
2126	496714.6	7249692	518.741	518.71	-0.031	0.000961
2363	496871.5	7249632	520.901	520.87	-0.031	0.000961
4330	498595.8	7248979	537.561	537.53	-0.031	0.000961

2006	497944	7249319	537.661	537.63	-0.031	0.000961
4329	498606.3	7248975	537.741	537.71	-0.031	0.000961
4375	498113	7249279	541.381	541.35	-0.031	0.000961
1922	498835.6	7248911	541.741	541.71	-0.031	0.000961
4307	498861.2	7248901	542.731	542.7	-0.031	0.000961
1907	498993.6	7248836	545.741	545.71	-0.031	0.000961
4293	498997.8	7248834	545.851	545.82	-0.031	0.000961
3817	503855.6	7246376	570.291	570.26	-0.031	0.000961
2650	500084.6	7248258	574.111	574.08	-0.031	0.000961
1313	504563.8	7246349	578.551	578.52	-0.031	0.000961
2910	502320.5	7246815	580.051	580.02	-0.031	0.000961
2873	501857.2	7246977	582.711	582.68	-0.031	0.000961
1598	501659.1	7247093	587.631	587.6	-0.031	0.000961
2843	501583.6	7247142	588.141	588.11	-0.031	0.000961
1729	500806	7247825	594.271	594.24	-0.031	0.000961
1727	500831.2	7247827	595.411	595.38	-0.031	0.000961
2808	501320.9	7247424	595.551	595.52	-0.031	0.000961
3209	505418.6	7246335	595.641	595.61	-0.031	0.000961
2725	500844.6	7247828	596.051	596.02	-0.031	0.000961
1720	500921.8	7247837	599.111	599.08	-0.031	0.000961
4050	501320.5	7247537	599.331	599.3	-0.031	0.000961
1719	500934.7	7247839	599.531	599.5	-0.031	0.000961
1663	501344	7247639	602.201	602.17	-0.031	0.000961
4610	495886	7249426	505.35	505.32	-0.03	0.0009
2234	495927.8	7249380	505.56	505.53	-0.03	0.0009
2189	496129.5	7249631	506.95	506.92	-0.03	0.0009
4562	496156.6	7249646	507.16	507.13	-0.03	0.0009
2305	496264.5	7249671	507.52	507.49	-0.03	0.0009
2156	496420.4	7249625	508.47	508.44	-0.03	0.0009
4493	496860.6	7249638	520.78	520.75	-0.03	0.0009
2425	497522.8	7249363	526.74	526.71	-0.03	0.0009
4414	497662.5	7249298	526.87	526.84	-0.03	0.0009
2498	498351	7249122	533.64	533.61	-0.03	0.0009
2454	497856.1	7249314	534.91	534.88	-0.03	0.0009
2517	498569.6	7248990	536.93	536.9	-0.03	0.0009
2521	498614.9	7248971	537.85	537.82	-0.03	0.0009
2469	498030	7249306	540.16	540.13	-0.03	0.0009

2538	498820.2	7248915	541.15	541.12	-0.03	0.0009
4296	498970.8	7248850	545.47	545.44	-0.03	0.0009
2553	498994.1	7248836	545.75	545.72	-0.03	0.0009
3797	503998.1	7246447	567.48	567.45	-0.03	0.0009
2972	503121	7246558	577.86	577.83	-0.03	0.0009
2896	502111.4	7246882	580.61	580.58	-0.03	0.0009
3980	501858.5	7246976	582.68	582.65	-0.03	0.0009
3697	504833.9	7246552	582.69	582.66	-0.03	0.0009
1510	502586.7	7246729	584.04	584.01	-0.03	0.0009
1588	501756.5	7247032	585.39	585.36	-0.03	0.0009
3690	504876.2	7246499	586.81	586.78	-0.03	0.0009
4006	501616.9	7247121	588.07	588.04	-0.03	0.0009
2827	501440.7	7247236	589.93	589.9	-0.03	0.0009
2728	500880	7247832	597.63	597.6	-0.03	0.0009
2797	501323.8	7247553	599.91	599.88	-0.03	0.0009
1181	505985.9	7246255	600.95	600.92	-0.03	0.0009
2219	495873.5	7249525	505.259	505.23	-0.029	0.000841
2268	495933.5	7249610	505.929	505.9	-0.029	0.000841
2265	495906.2	7249590	505.939	505.91	-0.029	0.000841
2284	496075.4	7249617	506.639	506.61	-0.029	0.000841
2159	496393.1	7249627	508.589	508.56	-0.029	0.000841
4502	496768	7249679	519.509	519.48	-0.029	0.000841
4489	496902.9	7249617	521.069	521.04	-0.029	0.000841
2391	497203.3	7249590	523.929	523.9	-0.029	0.000841
2382	497100.8	7249596	525.579	525.55	-0.029	0.000841
2040	497570	7249330	526.109	526.08	-0.029	0.000841
2442	497714.9	7249294	528.479	528.45	-0.029	0.000841
2066	497341.8	7249519	528.869	528.84	-0.029	0.000841
4401	497823	7249309	533.209	533.18	-0.029	0.000841
2495	498317.1	7249146	534.519	534.49	-0.029	0.000841
4309	498838.8	7248909	541.869	541.84	-0.029	0.000841
1903	499032.7	7248810	546.619	546.59	-0.029	0.000841
3016	503664.6	7246314	572.489	572.46	-0.029	0.000841
1325	504451.5	7246280	577.019	576.99	-0.029	0.000841
3102	504451.5	7246280	577.019	576.99	-0.029	0.000841
3748	504470.2	7246287	577.589	577.56	-0.029	0.000841
2971	503108.3	7246562	578.089	578.06	-0.029	0.000841

3703	504789.8	7246583	578.499	578.47	-0.029	0.000841
1318	504520.6	7246313	578.649	578.62	-0.029	0.000841
1767	500412.3	7248001	580.649	580.62	-0.029	0.000841
3963	502046.5	7246902	580.659	580.63	-0.029	0.000841
2913	502356.7	7246803	581.069	581.04	-0.029	0.000841
1520	502472.2	7246766	581.849	581.82	-0.029	0.000841
3977	501882.6	7246965	582.369	582.34	-0.029	0.000841
3926	502529.2	7246748	582.849	582.82	-0.029	0.000841
3925	502542.3	7246744	583.309	583.28	-0.029	0.000841
1742	500650.3	7247841	587.479	587.45	-0.029	0.000841
3168	504926	7246464	589.589	589.56	-0.029	0.000841
1261	504982.4	7246444	591.729	591.7	-0.029	0.000841
3664	505127.7	7246409	593.469	593.44	-0.029	0.000841
1730	500793.4	7247824	593.689	593.66	-0.029	0.000841
1235	505310.8	7246362	595.239	595.21	-0.029	0.000841
3610	505820.9	7246297	597.979	597.95	-0.029	0.000841
1656	501327.1	7247569	600.559	600.53	-0.029	0.000841
3599	505964.1	7246266	600.989	600.96	-0.029	0.000841
2251	495913.9	7249404	505.298	505.27	-0.028	0.000784
2249	495922	7249402	505.478	505.45	-0.028	0.000784
4616	495927.6	7249381	505.548	505.52	-0.028	0.000784
2275	495992.5	7249625	505.658	505.63	-0.028	0.000784
2212	495929.1	7249608	505.908	505.88	-0.028	0.000784
4624	495977.6	7249390	506.368	506.34	-0.028	0.000784
2196	496070.2	7249617	506.658	506.63	-0.028	0.000784
2174	496255	7249672	507.438	507.41	-0.028	0.000784
2341	496626	7249690	516.928	516.9	-0.028	0.000784
2342	496637.4	7249692	517.278	517.25	-0.028	0.000784
2373	496993.5	7249591	522.998	522.97	-0.028	0.000784
4466	497159.2	7249598	525.618	525.59	-0.028	0.000784
4411	497699.3	7249295	527.888	527.86	-0.028	0.000784
4441	497399	7249470	528.098	528.07	-0.028	0.000784
2501	498385.7	7249098	533.308	533.28	-0.028	0.000784
1932	498716.6	7248940	536.828	536.8	-0.028	0.000784
2584	499303.3	7248589	543.998	543.97	-0.028	0.000784
2574	499197	7248676	546.678	546.65	-0.028	0.000784
1895	499106	7248752	548.038	548.01	-0.028	0.000784

3790	504033.5	7246400	573.298	573.27	-0.028	0.000784
3063	504048.7	7246372	574.978	574.95	-0.028	0.000784
2661	500214.7	7248221	575.128	575.1	-0.028	0.000784
3111	504536	7246325	578.628	578.6	-0.028	0.000784
1775	500362.7	7248073	579.818	579.79	-0.028	0.000784
3906	502788.2	7246665	580.068	580.04	-0.028	0.000784
3904	502815.9	7246656	580.178	580.15	-0.028	0.000784
1554	502098.3	7246886	580.698	580.67	-0.028	0.000784
3959	502098.2	7246886	580.698	580.67	-0.028	0.000784
3960	502085.2	7246890	580.738	580.71	-0.028	0.000784
3929	502489	7246760	582.038	582.01	-0.028	0.000784
1575	501876.5	7246967	582.418	582.39	-0.028	0.000784
2928	502545.5	7246743	583.388	583.36	-0.028	0.000784
3987	501799.8	7247007	584.058	584.03	-0.028	0.000784
4012	501550.6	7247163	588.378	588.35	-0.028	0.000784
4032	501357.6	7247329	592.208	592.18	-0.028	0.000784
1252	505092.1	7246417	593.268	593.24	-0.028	0.000784
1183	505963.3	7246266	600.968	600.94	-0.028	0.000784
2765	501286	7247871	601.558	601.53	-0.028	0.000784
2210	495944.2	7249616	505.917	505.89	-0.027	0.000729
2267	495926	7249606	505.917	505.89	-0.027	0.000729
2244	495970.6	7249403	506.377	506.35	-0.027	0.000729
2139	496587.7	7249681	514.697	514.67	-0.027	0.000729
2393	497225.2	7249584	523.637	523.61	-0.027	0.000729
2097	497026.9	7249589	523.757	523.73	-0.027	0.000729
4477	497038.2	7249590	524.147	524.12	-0.027	0.000729
2095	497048.5	7249591	524.427	524.4	-0.027	0.000729
2037	497601.5	7249316	526.127	526.1	-0.027	0.000729
2050	497480.7	7249397	526.817	526.79	-0.027	0.000729
4454	497286.9	7249560	527.007	526.98	-0.027	0.000729
2048	497498.1	7249382	527.027	527	-0.027	0.000729
4447	497347.2	7249515	528.997	528.97	-0.027	0.000729
2016	497835.8	7249312	533.937	533.91	-0.027	0.000729
2505	498431.6	7249068	534.127	534.1	-0.027	0.000729
4395	497891.1	7249318	535.857	535.83	-0.027	0.000729
1936	498669.4	7248953	536.457	536.43	-0.027	0.000729
4328	498616.8	7248971	537.857	537.83	-0.027	0.000729

4384	498015.6	7249310	539.837	539.81	-0.027	0.000729
3060	504035.9	7246395	573.777	573.75	-0.027	0.000729
2897	502123.3	7246878	580.467	580.44	-0.027	0.000729
1764	500434	7247975	580.747	580.72	-0.027	0.000729
1763	500441.8	7247967	580.997	580.97	-0.027	0.000729
2917	502405.9	7246787	581.587	581.56	-0.027	0.000729
2929	502557.7	7246739	583.647	583.62	-0.027	0.000729
4130	500670.7	7247835	588.137	588.11	-0.027	0.000729
4015	501517.2	7247184	588.857	588.83	-0.027	0.000729
3174	504987.4	7246443	591.897	591.87	-0.027	0.000729
3193	505212.6	7246387	594.447	594.42	-0.027	0.000729
3638	505437.3	7246331	595.327	595.3	-0.027	0.000729
1196	505805.9	7246296	598.217	598.19	-0.027	0.000729
3247	505898.3	7246289	599.237	599.21	-0.027	0.000729
4580	495985.3	7249625	505.606	505.58	-0.026	0.000676
4546	496312.1	7249654	508.446	508.42	-0.026	0.000676
4523	496547.5	7249665	511.046	511.02	-0.026	0.000676
2369	496944	7249601	521.776	521.75	-0.026	0.000676
4483	496969.6	7249595	522.486	522.46	-0.026	0.000676
2381	497089.1	7249595	525.326	525.3	-0.026	0.000676
4468	497137.8	7249599	525.826	525.8	-0.026	0.000676
2412	497403.5	7249466	527.896	527.87	-0.026	0.000676
2404	497329.7	7249529	528.656	528.63	-0.026	0.000676
2443	497726.1	7249295	528.906	528.88	-0.026	0.000676
2008	497922.4	7249319	536.796	536.77	-0.026	0.000676
1998	498027.1	7249307	540.096	540.07	-0.026	0.000676
4302	498913.3	7248879	544.556	544.53	-0.026	0.000676
3798	503991.2	7246452	566.946	566.92	-0.026	0.000676
4188	500107.6	7248254	574.766	574.74	-0.026	0.000676
1796	500186.1	7248234	575.826	575.8	-0.026	0.000676
1287	504731.3	7246577	576.046	576.02	-0.026	0.000676
3740	504548.7	7246336	578.576	578.55	-0.026	0.000676
3945	502279.3	7246828	579.036	579.01	-0.026	0.000676
2888	502018.4	7246911	580.616	580.59	-0.026	0.000676
1529	502378.9	7246795	581.206	581.18	-0.026	0.000676
3934	502421.7	7246782	581.496	581.47	-0.026	0.000676
1571	501917.6	7246949	581.866	581.84	-0.026	0.000676

3978	501873.9	7246969	582.446	582.42	-0.026	0.000676
1273	504868.4	7246508	585.996	585.97	-0.026	0.000676
4010	501573	7247149	588.186	588.16	-0.026	0.000676
3670	505064.7	7246424	592.826	592.8	-0.026	0.000676
3652	505252.4	7246377	594.846	594.82	-0.026	0.000676
1236	505298	7246365	595.056	595.03	-0.026	0.000676
3225	505618.9	7246286	595.176	595.15	-0.026	0.000676
1645	501315.7	7247461	596.926	596.9	-0.026	0.000676
1646	501315.1	7247471	597.176	597.15	-0.026	0.000676
2803	501315	7247483	597.606	597.58	-0.026	0.000676
4084	501280.1	7247873	601.866	601.84	-0.026	0.000676
2254	495892.1	7249420	505.155	505.13	-0.025	0.000625
2258	495867.7	7249468	505.585	505.56	-0.025	0.000625
2271	495957.7	7249620	505.795	505.77	-0.025	0.000625
4585	495940.6	7249614	505.905	505.88	-0.025	0.000625
4569	496093.4	7249619	506.365	506.34	-0.025	0.000625
4571	496074.4	7249617	506.615	506.59	-0.025	0.000625
2185	496159.5	7249648	507.145	507.12	-0.025	0.000625
2392	497214.3	7249587	523.765	523.74	-0.025	0.000625
4464	497180.3	7249595	524.835	524.81	-0.025	0.000625
4436	497444	7249429	526.915	526.89	-0.025	0.000625
4443	497381.5	7249485	528.835	528.81	-0.025	0.000625
2024	497743.8	7249296	529.515	529.49	-0.025	0.000625
4356	498318.6	7249145	534.485	534.46	-0.025	0.000625
1935	498681	7248950	536.305	536.28	-0.025	0.000625
1942	498606	7248974	537.735	537.71	-0.025	0.000625
4387	497982.3	7249316	538.905	538.88	-0.025	0.000625
1989	498116.5	7249277	541.345	541.32	-0.025	0.000625
2542	498867.8	7248898	543.005	542.98	-0.025	0.000625
1879	499252.7	7248631	545.065	545.04	-0.025	0.000625
2577	499229.1	7248650	545.745	545.72	-0.025	0.000625
4288	499039.1	7248805	546.725	546.7	-0.025	0.000625
1834	499717.9	7248349	557.925	557.9	-0.025	0.000625
4219	499718.1	7248349	557.935	557.91	-0.025	0.000625
1817	499923.8	7248294	567.485	567.46	-0.025	0.000625
1393	503856.8	7246378	570.245	570.22	-0.025	0.000625
4176	500245.7	7248204	574.615	574.59	-0.025	0.000625

2656	500159.4	7248241	575.735	575.71	-0.025	0.000625
3101	504440.3	7246277	576.745	576.72	-0.025	0.000625
3119	504595.5	7246390	577.945	577.92	-0.025	0.000625
3744	504511.5	7246308	578.555	578.53	-0.025	0.000625
3941	502331.5	7246811	580.505	580.48	-0.025	0.000625
2911	502332.6	7246811	580.545	580.52	-0.025	0.000625
1512	502563.7	7246737	583.815	583.79	-0.025	0.000625
1740	500672.8	7247835	588.225	588.2	-0.025	0.000625
3686	504907.2	7246475	588.715	588.69	-0.025	0.000625
2820	501381.9	7247292	591.125	591.1	-0.025	0.000625
1242	505220.4	7246385	594.605	594.58	-0.025	0.000625
1240	505246.4	7246379	594.855	594.83	-0.025	0.000625
2768	501311.2	7247859	599.775	599.75	-0.025	0.000625
1692	501270.5	7247875	602.305	602.28	-0.025	0.000625
2255	495884.1	7249429	505.454	505.43	-0.024	0.000576
4553	496242.3	7249674	507.334	507.31	-0.024	0.000576
2162	496365.8	7249633	508.684	508.66	-0.024	0.000576
2352	496749.4	7249686	519.104	519.08	-0.024	0.000576
2114	496841	7249647	520.554	520.53	-0.024	0.000576
2371	496968.7	7249595	522.474	522.45	-0.024	0.000576
2035	497623	7249309	526.334	526.31	-0.024	0.000576
2073	497280	7249564	526.684	526.66	-0.024	0.000576
2028	497698.8	7249295	527.864	527.84	-0.024	0.000576
4349	498394.1	7249093	533.354	533.33	-0.024	0.000576
1951	498510.2	7249019	534.654	534.63	-0.024	0.000576
4357	498307.8	7249152	534.784	534.76	-0.024	0.000576
1929	498753.4	7248933	538.114	538.09	-0.024	0.000576
2004	497965.2	7249318	538.384	538.36	-0.024	0.000576
4380	498059.6	7249298	540.864	540.84	-0.024	0.000576
1921	498846.8	7248907	542.134	542.11	-0.024	0.000576
4279	499107.5	7248751	548.014	547.99	-0.024	0.000576
2611	499602.9	7248395	550.984	550.96	-0.024	0.000576
1373	503995.8	7246449	567.224	567.2	-0.024	0.000576
4168	500321.5	7248135	577.514	577.49	-0.024	0.000576
3739	504557.3	7246344	578.524	578.5	-0.024	0.000576
3108	504509.5	7246306	578.564	578.54	-0.024	0.000576
4161	500368.1	7248065	579.924	579.9	-0.024	0.000576

3953	502175.2	7246861	580.024	580	-0.024	0.000576
2948	502817.6	7246655	580.184	580.16	-0.024	0.000576
2895	502099.6	7246885	580.704	580.68	-0.024	0.000576
2690	500461.8	7247947	581.274	581.25	-0.024	0.000576
1583	501797.5	7247008	584.104	584.08	-0.024	0.000576
3992	501758.4	7247031	585.354	585.33	-0.024	0.000576
2711	500678.2	7247834	588.414	588.39	-0.024	0.000576
1627	501386.4	7247287	591.034	591.01	-0.024	0.000576
1253	505079.5	7246421	593.094	593.07	-0.024	0.000576
3182	505079.8	7246420	593.094	593.07	-0.024	0.000576
4121	500787.3	7247824	593.394	593.37	-0.024	0.000576
3186	505127.2	7246409	593.454	593.43	-0.024	0.000576
3658	505182.5	7246395	593.984	593.96	-0.024	0.000576
2260	495873.3	7249522	505.253	505.23	-0.023	0.000529
4573	496055.2	7249618	506.603	506.58	-0.023	0.000529
4528	496493.7	7249640	508.473	508.45	-0.023	0.000529
4499	496798.8	7249667	520.103	520.08	-0.023	0.000529
2367	496919.5	7249609	521.383	521.36	-0.023	0.000529
4481	496992.5	7249591	522.973	522.95	-0.023	0.000529
2096	497037.7	7249590	524.113	524.09	-0.023	0.000529
2395	497246	7249578	524.313	524.29	-0.023	0.000529
4426	497531.2	7249356	526.573	526.55	-0.023	0.000529
2416	497440	7249433	526.933	526.91	-0.023	0.000529
4435	497452.9	7249422	526.933	526.91	-0.023	0.000529
2064	497359.2	7249504	529.043	529.02	-0.023	0.000529
2017	497824.8	7249310	533.313	533.29	-0.023	0.000529
4400	497834.7	7249311	533.873	533.85	-0.023	0.000529
2494	498305.8	7249154	534.833	534.81	-0.023	0.000529
4324	498660	7248956	536.683	536.66	-0.023	0.000529
2520	498603.5	7248975	537.713	537.69	-0.023	0.000529
1927	498777.6	7248927	539.443	539.42	-0.023	0.000529
4304	498893.1	7248888	543.953	543.93	-0.023	0.000529
1896	499097.3	7248759	548.023	548	-0.023	0.000529
1826	499811.2	7248321	562.143	562.12	-0.023	0.000529
3015	503653.1	7246316	572.553	572.53	-0.023	0.000529
4182	500179.4	7248236	575.933	575.91	-0.023	0.000529
3751	504436.8	7246277	576.653	576.63	-0.023	0.000529

3702	504798.4	7246580	579.173	579.15	-0.023	0.000529
1481	502933.6	7246618	580.043	580.02	-0.023	0.000529
2695	500509.2	7247907	582.453	582.43	-0.023	0.000529
2866	501800	7247007	584.043	584.02	-0.023	0.000529
1750	500563.3	7247875	584.273	584.25	-0.023	0.000529
3161	504871.4	7246504	586.343	586.32	-0.023	0.000529
2837	501531.5	7247175	588.613	588.59	-0.023	0.000529
4016	501506.2	7247192	589.043	589.02	-0.023	0.000529
1265	504936.7	7246460	590.123	590.1	-0.023	0.000529
2821	501389.3	7247283	590.943	590.92	-0.023	0.000529
4030	501370.8	7247308	591.613	591.59	-0.023	0.000529
4038	501327.6	7247396	594.363	594.34	-0.023	0.000529
3223	505593.6	7246291	595.103	595.08	-0.023	0.000529
4048	501316.7	7247514	598.383	598.36	-0.023	0.000529
4111	500922.2	7247837	599.123	599.1	-0.023	0.000529
3251	505942.3	7246275	600.633	600.61	-0.023	0.000529
3253	505964.7	7246265	600.983	600.96	-0.023	0.000529
4631	495915.8	7249404	505.332	505.31	-0.022	0.000484
4614	495915.8	7249401	505.362	505.34	-0.022	0.000484
2288	496110.9	7249623	506.472	506.45	-0.022	0.000484
2198	496053	7249618	506.572	506.55	-0.022	0.000484
2282	496057	7249617	506.642	506.62	-0.022	0.000484
2169	496301.5	7249658	508.312	508.29	-0.022	0.000484
2327	496486.1	7249636	508.452	508.43	-0.022	0.000484
4536	496410.8	7249625	508.492	508.47	-0.022	0.000484
4522	496557.7	7249670	512.262	512.24	-0.022	0.000484
2351	496738.5	7249688	518.982	518.96	-0.022	0.000484
4486	496935.5	7249603	521.642	521.62	-0.022	0.000484
4458	497246.5	7249578	524.362	524.34	-0.022	0.000484
2090	497101.6	7249597	525.582	525.56	-0.022	0.000484
4434	497461.6	7249414	526.942	526.92	-0.022	0.000484
2029	497687.8	7249295	527.382	527.36	-0.022	0.000484
2023	497755.6	7249298	529.832	529.81	-0.022	0.000484
2447	497773.1	7249301	530.542	530.52	-0.022	0.000484
4336	498532	7249008	535.562	535.54	-0.022	0.000484
4390	497948	7249319	537.832	537.81	-0.022	0.000484
2002	497986.1	7249316	539.002	538.98	-0.022	0.000484

2534	498772.7	7248928	539.202	539.18	-0.022	0.000484
4385	498004.6	7249312	539.532	539.51	-0.022	0.000484
2536	498796.6	7248922	540.312	540.29	-0.022	0.000484
2587	499334.2	7248564	543.422	543.4	-0.022	0.000484
1913	498932.4	7248870	544.952	544.93	-0.022	0.000484
2548	498938.2	7248867	545.032	545.01	-0.022	0.000484
2549	498949.6	7248861	545.132	545.11	-0.022	0.000484
4267	499199.4	7248675	546.642	546.62	-0.022	0.000484
2662	500225.6	7248215	574.972	574.95	-0.022	0.000484
2985	503294.7	7246495	575.532	575.51	-0.022	0.000484
1328	504418.5	7246273	576.162	576.14	-0.022	0.000484
1536	502307	7246819	579.582	579.56	-0.022	0.000484
3701	504806.5	7246576	579.902	579.88	-0.022	0.000484
2924	502495.1	7246758	582.032	582.01	-0.022	0.000484
1573	501896.6	7246958	582.132	582.11	-0.022	0.000484
4139	500562.7	7247875	584.242	584.22	-0.022	0.000484
3998	501701.3	7247067	587.192	587.17	-0.022	0.000484
2845	501602.1	7247131	588.052	588.03	-0.022	0.000484
4011	501561.8	7247156	588.232	588.21	-0.022	0.000484
2829	501459.8	7247222	589.632	589.61	-0.022	0.000484
1622	501426.1	7247247	590.162	590.14	-0.022	0.000484
3170	504945.1	7246456	590.562	590.54	-0.022	0.000484
3204	505355	7246351	595.562	595.54	-0.022	0.000484
1203	505718	7246285	596.752	596.73	-0.022	0.000484
1654	501322.9	7247550	599.772	599.75	-0.022	0.000484
1691	501281	7247873	601.832	601.81	-0.022	0.000484
4629	495934	7249403	505.731	505.71	-0.021	0.000441
2192	496104.6	7249622	506.371	506.35	-0.021	0.000441
2297	496188.4	7249663	507.011	506.99	-0.021	0.000441
2176	496236.6	7249674	507.261	507.24	-0.021	0.000441
2157	496411.2	7249625	508.501	508.48	-0.021	0.000441
2318	496392.2	7249627	508.611	508.59	-0.021	0.000441
2143	496549.5	7249666	511.311	511.29	-0.021	0.000441
4509	496694.4	7249694	518.421	518.4	-0.021	0.000441
2433	497607.6	7249314	526.191	526.17	-0.021	0.000441
2045	497524.2	7249361	526.701	526.68	-0.021	0.000441
2026	497720.9	7249295	528.711	528.69	-0.021	0.000441

2063	497368	7249497	529.021	529	-0.021	0.000441
1963	498389.9	7249095	533.311	533.29	-0.021	0.000441
4319	498720.3	7248940	536.911	536.89	-0.021	0.000441
2000	498006.7	7249312	539.581	539.56	-0.021	0.000441
2535	498784.8	7248925	539.791	539.77	-0.021	0.000441
1986	498146.3	7249261	541.031	541.01	-0.021	0.000441
4223	499671	7248366	555.161	555.14	-0.021	0.000441
4211	499811.8	7248321	562.161	562.14	-0.021	0.000441
1797	500175.2	7248237	575.981	575.96	-0.021	0.000441
4169	500313.7	7248145	577.081	577.06	-0.021	0.000441
1773	500374.9	7248054	580.031	580.01	-0.021	0.000441
3896	502924.3	7246621	580.031	580.01	-0.021	0.000441
4157	500394.7	7248025	580.461	580.44	-0.021	0.000441
1552	502120.6	7246879	580.521	580.5	-0.021	0.000441
2912	502344.6	7246807	580.841	580.82	-0.021	0.000441
2914	502368.8	7246799	581.081	581.06	-0.021	0.000441
3153	504821.9	7246564	581.301	581.28	-0.021	0.000441
2918	502418.4	7246783	581.511	581.49	-0.021	0.000441
1526	502409	7246786	581.581	581.56	-0.021	0.000441
3158	504852.5	7246528	584.381	584.36	-0.021	0.000441
1749	500574	7247869	584.541	584.52	-0.021	0.000441
3687	504898.8	7246481	588.181	588.16	-0.021	0.000441
2836	501523.1	7247181	588.711	588.69	-0.021	0.000441
1632	501354.7	7247333	592.381	592.36	-0.021	0.000441
3180	505056.2	7246426	592.661	592.64	-0.021	0.000441
3663	505136.3	7246407	593.551	593.53	-0.021	0.000441
1244	505194.2	7246392	594.191	594.17	-0.021	0.000441
3218	505531.7	7246307	595.031	595.01	-0.021	0.000441
3248	505909.3	7246286	599.691	599.67	-0.021	0.000441
1689	501300.9	7247865	600.531	600.51	-0.021	0.000441
2795	501329.1	7247577	600.851	600.83	-0.021	0.000441
2793	501334.8	7247602	601.561	601.54	-0.021	0.000441
4595	495882	7249552	505.49	505.47	-0.02	0.0004
2225	495868.7	7249460	505.67	505.65	-0.02	0.0004
2277	496010.1	7249624	505.74	505.72	-0.02	0.0004
4554	496232.3	7249673	507.16	507.14	-0.02	0.0004
4517	496609.5	7249687	516.16	516.14	-0.02	0.0004

2349	496716.8	7249692	518.79	518.77	-0.02	0.0004
4444	497372.8	7249493	529	528.98	-0.02	0.0004
2460	497923.2	7249319	536.82	536.8	-0.02	0.0004
1941	498616.4	7248971	537.85	537.83	-0.02	0.0004
1980	498208.8	7249221	538.97	538.95	-0.02	0.0004
4383	498026.6	7249307	540.09	540.07	-0.02	0.0004
2539	498832	7248912	541.61	541.59	-0.02	0.0004
4301	498923.1	7248874	544.76	544.74	-0.02	0.0004
1891	499141.7	7248722	547.77	547.75	-0.02	0.0004
1820	499884.4	7248303	565.55	565.53	-0.02	0.0004
3061	504039.9	7246387	574.24	574.22	-0.02	0.0004
1334	504349.6	7246269	575.19	575.17	-0.02	0.0004
1327	504429.6	7246275	576.47	576.45	-0.02	0.0004
3105	504482.1	7246292	578	577.98	-0.02	0.0004
3956	502136.9	7246873	580.29	580.27	-0.02	0.0004
2885	501985.1	7246922	580.65	580.63	-0.02	0.0004
3935	502408.3	7246786	581.59	581.57	-0.02	0.0004
3989	501784.6	7247016	584.47	584.45	-0.02	0.0004
2861	501756.5	7247032	585.39	585.37	-0.02	0.0004
2704	500599.2	7247858	585.47	585.45	-0.02	0.0004
4031	501364.1	7247318	591.86	591.84	-0.02	0.0004
1732	500768.2	7247824	592.47	592.45	-0.02	0.0004
3659	505173	7246397	593.85	593.83	-0.02	0.0004
3656	505203.9	7246390	594.34	594.32	-0.02	0.0004
2799	501319	7247529	599.02	599	-0.02	0.0004
1186	505929.1	7246280	600.35	600.33	-0.02	0.0004
2231	495909.7	7249406	505.179	505.16	-0.019	0.000361
4572	496064.9	7249618	506.679	506.66	-0.019	0.000361
2299	496207	7249669	507.139	507.12	-0.019	0.000361
2301	496226.1	7249673	507.139	507.12	-0.019	0.000361
4503	496757.5	7249683	519.259	519.24	-0.019	0.000361
4500	496788.6	7249671	519.869	519.85	-0.019	0.000361
2356	496792.9	7249670	519.969	519.95	-0.019	0.000361
2116	496820.4	7249657	520.399	520.38	-0.019	0.000361
2359	496825.8	7249654	520.469	520.45	-0.019	0.000361
2106	496927.2	7249606	521.499	521.48	-0.019	0.000361
2098	497016.1	7249590	523.559	523.54	-0.019	0.000361

4467	497148.5	7249599	525.749	525.73	-0.019	0.000361
2431	497584.3	7249323	526.039	526.02	-0.019	0.000361
2457	497889	7249317	535.799	535.78	-0.019	0.000361
2515	498547.3	7249000	536.169	536.15	-0.019	0.000361
2465	497982	7249316	538.889	538.87	-0.019	0.000361
2466	497994	7249314	539.249	539.23	-0.019	0.000361
2605	499532.4	7248431	546.809	546.79	-0.019	0.000361
1805	500082	7248259	574.019	574	-0.019	0.000361
1453	503251	7246514	576.129	576.11	-0.019	0.000361
1310	504585.3	7246375	578.189	578.17	-0.019	0.000361
2904	502220.4	7246846	579.119	579.1	-0.019	0.000361
2946	502792.1	7246663	580.089	580.07	-0.019	0.000361
3937	502382.3	7246795	581.289	581.27	-0.019	0.000361
2922	502469.4	7246767	581.889	581.87	-0.019	0.000361
1747	500595.7	7247859	585.309	585.29	-0.019	0.000361
2707	500632.4	7247846	586.799	586.78	-0.019	0.000361
3173	504976.3	7246446	591.519	591.5	-0.019	0.000361
4120	500800.8	7247825	594.049	594.03	-0.019	0.000361
4045	501314.9	7247478	597.389	597.37	-0.019	0.000361
3241	505825.6	7246297	597.909	597.89	-0.019	0.000361
4068	501368.1	7247744	602.329	602.31	-0.019	0.000361
2224	495866.6	7249475	505.478	505.46	-0.018	0.000324
2203	496005.5	7249624	505.698	505.68	-0.018	0.000324
2191	496113.2	7249624	506.508	506.49	-0.018	0.000324
2177	496227.5	7249673	507.118	507.1	-0.018	0.000324
2362	496859.9	7249638	520.758	520.74	-0.018	0.000324
2084	497164.7	7249597	525.478	525.46	-0.018	0.000324
2039	497580.2	7249325	526.048	526.03	-0.018	0.000324
4347	498415.4	7249078	533.798	533.78	-0.018	0.000324
2528	498698.8	7248945	536.478	536.46	-0.018	0.000324
2486	498217.1	7249215	538.628	538.61	-0.018	0.000324
4260	499263.5	7248622	544.708	544.69	-0.018	0.000324
2564	499098.9	7248757	548.048	548.03	-0.018	0.000324
1795	500196.7	7248229	575.518	575.5	-0.018	0.000324
3752	504425.2	7246274	576.348	576.33	-0.018	0.000324
1309	504591.7	7246383	578.048	578.03	-0.018	0.000324
3149	504786.6	7246583	578.268	578.25	-0.018	0.000324

2903	502207.8	7246850	579.348	579.33	-0.018	0.000324
1482	502921.5	7246622	579.988	579.97	-0.018	0.000324
4160	500374.7	7248055	580.028	580.01	-0.018	0.000324
3964	502033.8	7246906	580.668	580.65	-0.018	0.000324
2883	501952.6	7246935	581.098	581.08	-0.018	0.000324
3932	502448.6	7246773	581.688	581.67	-0.018	0.000324
1587	501765.5	7247027	585.128	585.11	-0.018	0.000324
1743	500639.3	7247844	587.098	587.08	-0.018	0.000324
1597	501669.5	7247087	587.628	587.61	-0.018	0.000324
3164	504892.8	7246485	587.788	587.77	-0.018	0.000324
4125	500734.5	7247826	590.968	590.95	-0.018	0.000324
3191	505187.5	7246394	594.078	594.06	-0.018	0.000324
1214	505576.8	7246295	595.018	595	-0.018	0.000324
3646	505330.9	7246357	595.288	595.27	-0.018	0.000324
1207	505666.8	7246282	595.728	595.71	-0.018	0.000324
1201	505743.3	7246288	597.248	597.23	-0.018	0.000324
4081	501310.8	7247860	599.808	599.79	-0.018	0.000324
2741	501042.8	7247851	602.078	602.06	-0.018	0.000324
4628	495944.7	7249406	505.877	505.86	-0.017	0.000289
2266	495919	7249601	505.917	505.9	-0.017	0.000289
2200	496034.5	7249620	506.237	506.22	-0.017	0.000289
4568	496103.2	7249621	506.347	506.33	-0.017	0.000289
4559	496183.4	7249661	507.017	507	-0.017	0.000289
4555	496222.3	7249672	507.157	507.14	-0.017	0.000289
2188	496137.2	7249635	507.167	507.15	-0.017	0.000289
4540	496371.6	7249632	508.617	508.6	-0.017	0.000289
4520	496577.7	7249678	513.987	513.97	-0.017	0.000289
2135	496625.7	7249690	516.897	516.88	-0.017	0.000289
2347	496694.7	7249693	518.427	518.41	-0.017	0.000289
2121	496768.5	7249679	519.497	519.48	-0.017	0.000289
2113	496851.5	7249642	520.627	520.61	-0.017	0.000289
2378	497054	7249591	524.607	524.59	-0.017	0.000289
2387	497158.4	7249598	525.637	525.62	-0.017	0.000289
4471	497105.1	7249597	525.667	525.65	-0.017	0.000289
2383	497112.5	7249598	525.747	525.73	-0.017	0.000289
2049	497489.4	7249390	526.847	526.83	-0.017	0.000289
2069	497315.8	7249540	528.397	528.38	-0.017	0.000289

2448	497785.2	7249303	531.097	531.08	-0.017	0.000289
2450	497809.4	7249307	532.447	532.43	-0.017	0.000289
4338	498510.4	7249019	534.657	534.64	-0.017	0.000289
4337	498521.2	7249013	535.087	535.07	-0.017	0.000289
2009	497911.5	7249319	536.427	536.41	-0.017	0.000289
4389	497959.5	7249319	538.207	538.19	-0.017	0.000289
4264	499226.1	7248653	545.827	545.81	-0.017	0.000289
4175	500256.2	7248197	574.207	574.19	-0.017	0.000289
2664	500247	7248203	574.567	574.55	-0.017	0.000289
2655	500147.6	7248244	575.567	575.55	-0.017	0.000289
3118	504589.1	7246381	578.097	578.08	-0.017	0.000289
1779	500339.3	7248110	578.657	578.64	-0.017	0.000289
1493	502787.1	7246665	580.047	580.03	-0.017	0.000289
2899	502159	7246866	580.137	580.12	-0.017	0.000289
1550	502143.1	7246871	580.317	580.3	-0.017	0.000289
4151	500442	7247967	580.997	580.98	-0.017	0.000289
2927	502533.1	7246746	582.967	582.95	-0.017	0.000289
4138	500574.1	7247869	584.547	584.53	-0.017	0.000289
4136	500597.6	7247859	585.397	585.38	-0.017	0.000289
4002	501659.8	7247093	587.637	587.62	-0.017	0.000289
2838	501540	7247170	588.467	588.45	-0.017	0.000289
1254	505067	7246424	592.887	592.87	-0.017	0.000289
3197	505263.4	7246374	594.867	594.85	-0.017	0.000289
1218	505525.7	7246308	595.107	595.09	-0.017	0.000289
3227	505645	7246283	595.417	595.4	-0.017	0.000289
3232	505710.9	7246284	596.627	596.61	-0.017	0.000289
1694	501248.9	7247875	602.607	602.59	-0.017	0.000289
1700	501178.8	7247867	602.827	602.81	-0.017	0.000289
4556	496212.4	7249671	507.166	507.15	-0.016	0.000256
2321	496423.8	7249624	508.406	508.39	-0.016	0.000256
2313	496341.8	7249641	508.586	508.57	-0.016	0.000256
4527	496504.2	7249644	508.586	508.57	-0.016	0.000256
2104	496949.6	7249599	521.886	521.87	-0.016	0.000256
2372	496981.1	7249592	522.806	522.79	-0.016	0.000256
4462	497201.9	7249590	523.966	523.95	-0.016	0.000256
2377	497042.2	7249590	524.256	524.24	-0.016	0.000256
2384	497124.1	7249598	525.856	525.84	-0.016	0.000256

2414	497421.9	7249449	527.116	527.1	-0.016	0.000256
1925	498801.1	7248921	540.476	540.46	-0.016	0.000256
4274	499142.9	7248721	547.806	547.79	-0.016	0.000256
4202	499925.1	7248294	567.546	567.53	-0.016	0.000256
3037	503857.2	7246378	570.236	570.22	-0.016	0.000256
3729	504620.3	7246435	577.566	577.55	-0.016	0.000256
2906	502245.7	7246838	578.896	578.88	-0.016	0.000256
1535	502318	7246815	579.966	579.95	-0.016	0.000256
2683	500401.8	7248015	580.476	580.46	-0.016	0.000256
1562	502010.1	7246914	580.586	580.57	-0.016	0.000256
4152	500433.4	7247976	580.716	580.7	-0.016	0.000256
3972	501934.3	7246942	581.516	581.5	-0.016	0.000256
1275	504851.9	7246529	584.326	584.31	-0.016	0.000256
1745	500617.4	7247851	586.196	586.18	-0.016	0.000256
1611	501524.2	7247180	588.696	588.68	-0.016	0.000256
3169	504935.4	7246460	590.056	590.04	-0.016	0.000256
4123	500760.5	7247824	592.086	592.07	-0.016	0.000256
3183	505091.5	7246417	593.256	593.24	-0.016	0.000256
3630	505546.2	7246303	595.006	594.99	-0.016	0.000256
1227	505412.9	7246337	595.616	595.6	-0.016	0.000256
2806	501317.3	7247448	596.456	596.44	-0.016	0.000256
3235	505749.7	7246289	597.346	597.33	-0.016	0.000256
3615	505752.5	7246290	597.376	597.36	-0.016	0.000256
4113	500894.8	7247834	598.236	598.22	-0.016	0.000256
1650	501316.4	7247511	598.346	598.33	-0.016	0.000256
2730	500903.8	7247835	598.526	598.51	-0.016	0.000256
2287	496102.1	7249620	506.365	506.35	-0.015	0.000225
2168	496310.8	7249655	508.425	508.41	-0.015	0.000225
2134	496635	7249691	517.205	517.19	-0.015	0.000225
4510	496683.9	7249694	518.315	518.3	-0.015	0.000225
4492	496871	7249633	520.895	520.88	-0.015	0.000225
2110	496883.4	7249626	520.935	520.92	-0.015	0.000225
2103	496960.8	7249596	522.215	522.2	-0.015	0.000225
2394	497235.7	7249581	523.765	523.75	-0.015	0.000225
4472	497094.2	7249596	525.445	525.43	-0.015	0.000225
2085	497154.3	7249598	525.685	525.67	-0.015	0.000225
1934	498692.7	7248946	536.365	536.35	-0.015	0.000225

2547	498926.7	7248872	544.815	544.8	-0.015	0.000225
1885	499196.7	7248677	546.675	546.66	-0.015	0.000225
1790	500249.2	7248201	574.475	574.46	-0.015	0.000225
1803	500106.4	7248254	574.735	574.72	-0.015	0.000225
3872	503252	7246513	576.105	576.09	-0.015	0.000225
1326	504440.6	7246277	576.745	576.73	-0.015	0.000225
1548	502166.2	7246864	580.125	580.11	-0.015	0.000225
3958	502111.1	7246882	580.595	580.58	-0.015	0.000225
3970	501958.4	7246933	581.025	581.01	-0.015	0.000225
2916	502393.4	7246791	581.435	581.42	-0.015	0.000225
2920	502443.8	7246775	581.675	581.66	-0.015	0.000225
2875	501878.1	7246967	582.415	582.4	-0.015	0.000225
1577	501853.5	7246978	582.775	582.76	-0.015	0.000225
2871	501837.4	7246987	583.165	583.15	-0.015	0.000225
3694	504851.7	7246530	584.295	584.28	-0.015	0.000225
3996	501721	7247054	586.485	586.47	-0.015	0.000225
2839	501548.5	7247164	588.385	588.37	-0.015	0.000225
1613	501505.8	7247192	589.055	589.04	-0.015	0.000225
3683	504934.1	7246461	589.995	589.98	-0.015	0.000225
1734	500743.4	7247825	591.385	591.37	-0.015	0.000225
2819	501374.7	7247302	591.445	591.43	-0.015	0.000225
3667	505090.5	7246418	593.265	593.25	-0.015	0.000225
1249	505130.1	7246408	593.505	593.49	-0.015	0.000225
3194	505225.2	7246384	594.685	594.67	-0.015	0.000225
1241	505233.4	7246382	594.785	594.77	-0.015	0.000225
3617	505725.3	7246286	596.895	596.88	-0.015	0.000225
2732	500928.1	7247838	599.315	599.3	-0.015	0.000225
4061	501350.4	7247666	602.305	602.29	-0.015	0.000225
1695	501237.7	7247874	602.515	602.5	-0.015	0.000225
2229	495892.5	7249419	505.124	505.11	-0.014	0.000196
2182	496182.9	7249661	507.014	507	-0.014	0.000196
2161	496374.9	7249631	508.574	508.56	-0.014	0.000196
2133	496644.5	7249692	517.434	517.42	-0.014	0.000196
4505	496736.4	7249689	518.964	518.95	-0.014	0.000196
4482	496981.1	7249593	522.794	522.78	-0.014	0.000196
2418	497458.1	7249417	526.954	526.94	-0.014	0.000196
4413	497674.6	7249297	527.084	527.07	-0.014	0.000196

2408	497366.3	7249498	529.034	529.02	-0.014	0.000196
2019	497802.4	7249305	532.024	532.01	-0.014	0.000196
2509	498478.2	7249038	534.264	534.25	-0.014	0.000196
2530	498723.5	7248939	537.014	537	-0.014	0.000196
2488	498238.9	7249200	537.784	537.77	-0.014	0.000196
2001	497996.4	7249314	539.304	539.29	-0.014	0.000196
2474	498088	7249289	541.464	541.45	-0.014	0.000196
1825	499822.9	7248318	562.454	562.44	-0.014	0.000196
3054	503998.7	7246447	567.574	567.56	-0.014	0.000196
3818	503848.1	7246370	570.754	570.74	-0.014	0.000196
1301	504627.5	7246452	577.344	577.33	-0.014	0.000196
1319	504511.3	7246307	578.564	578.55	-0.014	0.000196
3112	504544.5	7246332	578.594	578.58	-0.014	0.000196
3948	502239.6	7246840	578.854	578.84	-0.014	0.000196
2677	500358.3	7248081	579.674	579.66	-0.014	0.000196
1547	502177.8	7246860	579.994	579.98	-0.014	0.000196
3955	502149.8	7246869	580.204	580.19	-0.014	0.000196
1281	504820.1	7246566	581.084	581.07	-0.014	0.000196
1761	500457.9	7247950	581.204	581.19	-0.014	0.000196
1759	500475	7247935	581.484	581.47	-0.014	0.000196
1523	502440.2	7246776	581.624	581.61	-0.014	0.000196
2880	501922.2	7246948	581.784	581.77	-0.014	0.000196
3931	502462	7246769	581.834	581.82	-0.014	0.000196
1505	502643.4	7246711	584.384	584.37	-0.014	0.000196
2935	502644.2	7246711	584.384	584.37	-0.014	0.000196
3994	501740	7247042	585.884	585.87	-0.014	0.000196
2859	501737.3	7247044	585.954	585.94	-0.014	0.000196
2851	501660	7247093	587.634	587.62	-0.014	0.000196
2713	500701.8	7247829	589.344	589.33	-0.014	0.000196
4019	501473.4	7247213	589.464	589.45	-0.014	0.000196
2812	501333.8	7247377	593.774	593.76	-0.014	0.000196
1239	505259.3	7246375	594.834	594.82	-0.014	0.000196
3199	505289.4	7246368	594.974	594.96	-0.014	0.000196
3628	505573.8	7246296	594.994	594.98	-0.014	0.000196
3222	505581.2	7246294	595.064	595.05	-0.014	0.000196
3636	505464.1	7246324	595.394	595.38	-0.014	0.000196
2252	495906.6	7249408	504.993	504.98	-0.013	0.000169

4548	496292.4	7249662	508.093	508.08	-0.013	0.000169
2166	496329.3	7249647	508.513	508.5	-0.013	0.000169
4525	496525.8	7249655	509.043	509.03	-0.013	0.000169
4516	496620.4	7249689	516.693	516.68	-0.013	0.000169
2353	496760.3	7249682	519.323	519.31	-0.013	0.000169
2117	496810.1	7249662	520.283	520.27	-0.013	0.000169
2108	496905.1	7249616	521.093	521.08	-0.013	0.000169
2513	498524.9	7249011	535.263	535.25	-0.013	0.000169
1947	498553.1	7248997	536.373	536.36	-0.013	0.000169
2459	497911.7	7249319	536.433	536.42	-0.013	0.000169
2477	498121.3	7249275	541.333	541.32	-0.013	0.000169
1868	499356.5	7248546	543.043	543.03	-0.013	0.000169
4242	499452.7	7248478	543.353	543.34	-0.013	0.000169
1875	499290.5	7248600	544.053	544.04	-0.013	0.000169
2567	499126.4	7248735	547.703	547.69	-0.013	0.000169
1847	499569.9	7248411	548.403	548.39	-0.013	0.000169
1844	499602.3	7248395	550.933	550.92	-0.013	0.000169
1824	499834.9	7248315	562.893	562.88	-0.013	0.000169
3018	503687.7	7246312	572.483	572.47	-0.013	0.000169
2665	500257.7	7248195	574.143	574.13	-0.013	0.000169
4177	500235	7248210	574.853	574.84	-0.013	0.000169
3779	504106.7	7246315	574.883	574.87	-0.013	0.000169
2986	503306.6	7246490	575.413	575.4	-0.013	0.000169
4180	500202.1	7248227	575.463	575.45	-0.013	0.000169
3895	502938	7246617	580.113	580.1	-0.013	0.000169
1770	500393.2	7248027	580.433	580.42	-0.013	0.000169
2692	500480.4	7247930	581.603	581.59	-0.013	0.000169
2926	502520.6	7246750	582.483	582.47	-0.013	0.000169
2697	500528.2	7247895	582.993	582.98	-0.013	0.000169
3919	502617.2	7246720	584.503	584.49	-0.013	0.000169
1585	501782.4	7247017	584.543	584.53	-0.013	0.000169
3990	501776.2	7247020	584.753	584.74	-0.013	0.000169
4132	500646	7247842	587.293	587.28	-0.013	0.000169
4131	500658.3	7247839	587.753	587.74	-0.013	0.000169
4029	501378	7247297	591.293	591.28	-0.013	0.000169
3188	505151	7246403	593.713	593.7	-0.013	0.000169
1208	505653.9	7246282	595.493	595.48	-0.013	0.000169

4116	500854.5	7247829	596.523	596.51	-0.013	0.000169
1684	501343.8	7247832	598.833	598.82	-0.013	0.000169
2774	501355.5	7247816	598.973	598.96	-0.013	0.000169
1682	501356	7247815	599.003	598.99	-0.013	0.000169
1657	501329.3	7247579	600.903	600.89	-0.013	0.000169
2766	501294.5	7247868	601.003	600.99	-0.013	0.000169
4054	501330.5	7247584	601.043	601.03	-0.013	0.000169
4059	501344.7	7247643	602.253	602.24	-0.013	0.000169
2215	495908.3	7249592	505.942	505.93	-0.012	0.000144
4512	496662.9	7249694	517.842	517.83	-0.012	0.000144
4488	496913.8	7249612	521.252	521.24	-0.012	0.000144
4487	496924.6	7249607	521.462	521.45	-0.012	0.000144
4485	496946.6	7249600	521.822	521.81	-0.012	0.000144
4437	497435.1	7249437	526.942	526.93	-0.012	0.000144
2453	497845	7249313	534.422	534.41	-0.012	0.000144
1950	498520.8	7249013	535.072	535.06	-0.012	0.000144
2455	497867	7249315	535.242	535.23	-0.012	0.000144
4334	498553.4	7248997	536.382	536.37	-0.012	0.000144
1931	498728.8	7248938	537.182	537.17	-0.012	0.000144
1943	498595.5	7248979	537.552	537.54	-0.012	0.000144
2487	498228	7249208	538.162	538.15	-0.012	0.000144
4311	498816	7248917	541.012	541	-0.012	0.000144
2589	499354.5	7248548	543.092	543.08	-0.012	0.000144
2581	499272.1	7248615	544.312	544.3	-0.012	0.000144
4262	499244.5	7248638	545.312	545.3	-0.012	0.000144
3029	503794.8	7246334	572.522	572.51	-0.012	0.000144
3013	503618	7246325	572.782	572.77	-0.012	0.000144
3870	503277.6	7246503	575.672	575.66	-0.012	0.000144
3753	504413.5	7246272	576.022	576.01	-0.012	0.000144
3888	503034.3	7246586	579.262	579.25	-0.012	0.000144
1551	502131.8	7246875	580.262	580.25	-0.012	0.000144
1530	502368.9	7246799	581.072	581.06	-0.012	0.000144
2870	501837.2	7246987	583.162	583.15	-0.012	0.000144
3993	501749.2	7247037	585.622	585.61	-0.012	0.000144
2857	501717.9	7247056	586.592	586.58	-0.012	0.000144
1599	501648.7	7247100	587.582	587.57	-0.012	0.000144
4013	501539.4	7247170	588.482	588.47	-0.012	0.000144

4024	501420.7	7247251	590.202	590.19	-0.012	0.000144
2823	501405.1	7247266	590.412	590.4	-0.012	0.000144
3666	505105.5	7246414	593.192	593.18	-0.012	0.000144
1204	505705.4	7246284	596.502	596.49	-0.012	0.000144
2775	501360.6	7247807	599.272	599.26	-0.012	0.000144
2739	501017.4	7247848	601.512	601.5	-0.012	0.000144
2783	501364	7247723	602.292	602.28	-0.012	0.000144
1674	501368.2	7247745	602.332	602.32	-0.012	0.000144
2261	495877.7	7249539	505.311	505.3	-0.011	0.000121
4626	495966.2	7249406	506.301	506.29	-0.011	0.000121
4532	496452	7249628	508.141	508.13	-0.011	0.000121
2092	497080.5	7249594	525.161	525.15	-0.011	0.000121
1964	498379.4	7249102	533.271	533.26	-0.011	0.000121
2506	498443	7249060	534.261	534.25	-0.011	0.000121
4397	497868.7	7249316	535.291	535.28	-0.011	0.000121
4359	498286.1	7249167	535.531	535.52	-0.011	0.000121
4323	498671.7	7248953	536.411	536.4	-0.011	0.000121
4382	498037.6	7249304	540.291	540.28	-0.011	0.000121
2479	498142.8	7249264	541.101	541.09	-0.011	0.000121
2478	498132.1	7249270	541.241	541.23	-0.011	0.000121
1919	498868.9	7248898	543.051	543.04	-0.011	0.000121
2632	499859.6	7248309	564.261	564.25	-0.011	0.000121
2663	500236.4	7248209	574.841	574.83	-0.011	0.000121
3124	504621.9	7246439	577.551	577.54	-0.011	0.000121
1323	504472.5	7246288	577.671	577.66	-0.011	0.000121
2957	502931.7	7246619	580.031	580.02	-0.011	0.000121
2682	500394.3	7248025	580.451	580.44	-0.011	0.000121
3940	502344.2	7246807	580.831	580.82	-0.011	0.000121
3975	501901.5	7246956	582.071	582.06	-0.011	0.000121
1592	501718.8	7247055	586.561	586.55	-0.011	0.000121
3165	504900.6	7246479	588.291	588.28	-0.011	0.000121
1256	505042	7246430	592.561	592.55	-0.011	0.000121
1255	505054.4	7246427	592.631	592.62	-0.011	0.000121
3240	505812.9	7246296	598.141	598.13	-0.011	0.000121
2767	501302.9	7247864	600.351	600.34	-0.011	0.000121
2232	495918.5	7249399	505.46	505.45	-0.01	0.0001
4609	495880.8	7249433	505.53	505.52	-0.01	0.0001

4577	496014.9	7249623	505.78	505.77	-0.01	0.0001
4625	495974.2	7249399	506.41	506.4	-0.01	0.0001
4560	496174.1	7249656	507.06	507.05	-0.01	0.0001
2170	496292.2	7249662	508.09	508.08	-0.01	0.0001
2136	496616.3	7249688	516.51	516.5	-0.01	0.0001
2131	496663.8	7249694	517.86	517.85	-0.01	0.0001
2354	496771.2	7249678	519.57	519.56	-0.01	0.0001
2054	497446.5	7249427	526.89	526.88	-0.01	0.0001
2511	498502	7249023	534.41	534.4	-0.01	0.0001
4318	498732.6	7248937	537.31	537.3	-0.01	0.0001
4381	498048.6	7249301	540.55	540.54	-0.01	0.0001
2585	499313.7	7248581	543.65	543.64	-0.01	0.0001
4255	499313	7248582	543.66	543.65	-0.01	0.0001
1894	499114.7	7248744	547.84	547.83	-0.01	0.0001
2620	499711.1	7248351	557.48	557.47	-0.01	0.0001
2630	499834.9	7248315	562.89	562.88	-0.01	0.0001
1366	504038.3	7246390	574.06	574.05	-0.01	0.0001
1448	503305.7	7246490	575.41	575.4	-0.01	0.0001
1800	500141.5	7248246	575.5	575.49	-0.01	0.0001
1303	504620.7	7246436	577.56	577.55	-0.01	0.0001
1306	504608	7246410	577.74	577.73	-0.01	0.0001
1307	504603	7246401	577.81	577.8	-0.01	0.0001
3947	502252.8	7246836	578.75	578.74	-0.01	0.0001
2905	502233	7246842	578.96	578.95	-0.01	0.0001
3942	502318.7	7246815	579.99	579.98	-0.01	0.0001
1567	501956.3	7246933	581.04	581.03	-0.01	0.0001
3939	502356.8	7246803	581.06	581.05	-0.01	0.0001
2691	500471	7247938	581.39	581.38	-0.01	0.0001
1527	502399	7246789	581.48	581.47	-0.01	0.0001
1518	502494.4	7246759	582.02	582.01	-0.01	0.0001
4144	500508.6	7247908	582.42	582.41	-0.01	0.0001
2856	501708.1	7247062	586.93	586.92	-0.01	0.0001
1601	501627.8	7247114	587.86	587.85	-0.01	0.0001
2832	501488.3	7247203	589.25	589.24	-0.01	0.0001
1615	501488	7247204	589.26	589.25	-0.01	0.0001
2828	501450.2	7247229	589.79	589.78	-0.01	0.0001
1625	501401.4	7247270	590.54	590.53	-0.01	0.0001

3680	504963.3	7246450	591.22	591.21	-0.01	0.0001
3175	504998.6	7246440	592.11	592.1	-0.01	0.0001
1248	505142.8	7246405	593.6	593.59	-0.01	0.0001
1213	505589.6	7246292	595.1	595.09	-0.01	0.0001
3226	505631.9	7246284	595.28	595.27	-0.01	0.0001
3233	505723.9	7246286	596.87	596.86	-0.01	0.0001
1202	505730.6	7246286	597.02	597.01	-0.01	0.0001
2769	501319.4	7247854	599.19	599.18	-0.01	0.0001
3603	505915.7	7246284	599.92	599.91	-0.01	0.0001
1187	505917.6	7246284	599.99	599.98	-0.01	0.0001
4082	501301.1	7247865	600.5	600.49	-0.01	0.0001
2790	501343.6	7247638	602.18	602.17	-0.01	0.0001
1666	501351	7247669	602.29	602.28	-0.01	0.0001
2274	495983.7	7249625	505.609	505.6	-0.009	0.000081
4578	496004.9	7249625	505.689	505.68	-0.009	0.000081
2237	495942.9	7249360	505.709	505.7	-0.009	0.000081
4619	495945.7	7249359	505.709	505.7	-0.009	0.000081
2279	496028.4	7249621	506.109	506.1	-0.009	0.000081
2173	496264.3	7249671	507.499	507.49	-0.009	0.000081
2140	496578.2	7249678	513.999	513.99	-0.009	0.000081
2346	496683.3	7249694	518.299	518.29	-0.009	0.000081
2111	496872.7	7249631	520.889	520.88	-0.009	0.000081
2067	497333.2	7249527	528.689	528.68	-0.009	0.000081
2499	498362.6	7249114	533.409	533.4	-0.009	0.000081
4335	498542.7	7249002	535.989	535.98	-0.009	0.000081
2482	498174.2	7249244	540.299	540.29	-0.009	0.000081
1988	498126.3	7249272	541.269	541.26	-0.009	0.000081
2540	498843.9	7248908	542.039	542.03	-0.009	0.000081
4308	498850	7248905	542.259	542.25	-0.009	0.000081
2545	498903.6	7248883	544.249	544.24	-0.009	0.000081
4268	499190.6	7248682	546.849	546.84	-0.009	0.000081
2565	499107.8	7248750	547.999	547.99	-0.009	0.000081
1316	504538.7	7246326	578.619	578.61	-0.009	0.000081
2889	502029.7	7246908	580.699	580.69	-0.009	0.000081
1756	500502.5	7247912	582.219	582.21	-0.009	0.000081
1269	504896.5	7246482	588.029	588.02	-0.009	0.000081
4025	501411	7247260	590.299	590.29	-0.009	0.000081

2822	501397	7247274	590.729	590.72	-0.009	0.000081
3177	505021.3	7246435	592.369	592.36	-0.009	0.000081
1731	500780.8	7247824	593.089	593.08	-0.009	0.000081
3653	505239.8	7246380	594.819	594.81	-0.009	0.000081
1215	505564	7246299	594.979	594.97	-0.009	0.000081
1681	501360.9	7247807	599.299	599.29	-0.009	0.000081
4058	501341.9	7247631	602.089	602.08	-0.009	0.000081
1699	501190.8	7247868	602.549	602.54	-0.009	0.000081
1693	501259.8	7247875	602.579	602.57	-0.009	0.000081
2257	495870.9	7249453	505.688	505.68	-0.008	0.000064
2211	495936.6	7249612	505.908	505.9	-0.008	0.000064
4564	496139.9	7249636	507.188	507.18	-0.008	0.000064
2317	496381.9	7249629	508.598	508.59	-0.008	0.000064
2100	496994.2	7249591	522.998	522.99	-0.008	0.000064
2093	497069.9	7249593	525.018	525.01	-0.008	0.000064
2022	497767.4	7249300	530.268	530.26	-0.008	0.000064
1949	498531.4	7249007	535.538	535.53	-0.008	0.000064
2010	497900.5	7249318	536.098	536.09	-0.008	0.000064
4332	498574.6	7248988	537.058	537.05	-0.008	0.000064
4207	499861.3	7248309	564.328	564.32	-0.008	0.000064
1781	500326.8	7248128	577.858	577.85	-0.008	0.000064
1284	504787.6	7246583	578.338	578.33	-0.008	0.000064
2675	500344.6	7248102	579.068	579.06	-0.008	0.000064
1766	500419.2	7247992	580.588	580.58	-0.008	0.000064
3938	502369.4	7246799	581.078	581.07	-0.008	0.000064
3971	501946.2	7246938	581.238	581.23	-0.008	0.000064
1582	501810.5	7247001	583.818	583.81	-0.008	0.000064
1751	500552.7	7247880	583.828	583.82	-0.008	0.000064
2865	501792.3	7247011	584.238	584.23	-0.008	0.000064
2863	501775.3	7247021	584.778	584.77	-0.008	0.000064
3991	501767.5	7247026	585.058	585.05	-0.008	0.000064
2862	501766	7247026	585.098	585.09	-0.008	0.000064
3682	504943.9	7246457	590.498	590.49	-0.008	0.000064
2715	500725.6	7247826	590.578	590.57	-0.008	0.000064
1257	505029.8	7246433	592.488	592.48	-0.008	0.000064
1251	505104.8	7246414	593.198	593.19	-0.008	0.000064
4037	501331.1	7247384	593.978	593.97	-0.008	0.000064

1224	505450.3	7246327	595.278	595.27	-0.008	0.000064
1206	505679.8	7246282	596.008	596	-0.008	0.000064
2804	501315.3	7247471	597.148	597.14	-0.008	0.000064
1683	501350.3	7247824	598.988	598.98	-0.008	0.000064
2735	500965.8	7247842	600.208	600.2	-0.008	0.000064
2750	501147.9	7247864	602.858	602.85	-0.008	0.000064
2248	495931.6	7249402	505.697	505.69	-0.007	0.000049
2208	495960	7249622	505.737	505.73	-0.007	0.000049
4575	496035.2	7249620	506.237	506.23	-0.007	0.000049
2195	496078.5	7249617	506.587	506.58	-0.007	0.000049
2183	496174.9	7249657	507.057	507.05	-0.007	0.000049
2314	496351.7	7249638	508.717	508.71	-0.007	0.000049
2052	497463.5	7249412	526.927	526.92	-0.007	0.000049
2508	498466.2	7249045	534.347	534.34	-0.007	0.000049
1971	498305.4	7249154	534.827	534.82	-0.007	0.000049
4360	498275.4	7249175	536.107	536.1	-0.007	0.000049
2489	498250	7249193	537.357	537.35	-0.007	0.000049
4314	498781.1	7248926	539.617	539.61	-0.007	0.000049
4368	498187.1	7249236	539.857	539.85	-0.007	0.000049
4215	499765	7248334	560.677	560.67	-0.007	0.000049
1830	499765.2	7248334	560.687	560.68	-0.007	0.000049
1413	503669.4	7246313	572.437	572.43	-0.007	0.000049
4184	500155.9	7248242	575.677	575.67	-0.007	0.000049
3113	504552.7	7246339	578.597	578.59	-0.007	0.000049
1538	502284.1	7246826	579.097	579.09	-0.007	0.000049
2945	502779	7246668	580.037	580.03	-0.007	0.000049
2943	502752.1	7246677	580.507	580.5	-0.007	0.000049
1760	500466.4	7247942	581.317	581.31	-0.007	0.000049
1738	500695.8	7247830	589.097	589.09	-0.007	0.000049
2716	500737.5	7247825	591.117	591.11	-0.007	0.000049
3200	505302.5	7246364	595.087	595.08	-0.007	0.000049
3648	505304.4	7246364	595.087	595.08	-0.007	0.000049
3228	505658.3	7246282	595.557	595.55	-0.007	0.000049
3640	505410.9	7246337	595.607	595.6	-0.007	0.000049
2772	501342.7	7247833	598.787	598.78	-0.007	0.000049
1182	505974.6	7246261	600.947	600.94	-0.007	0.000049
1697	501214.6	7247871	602.427	602.42	-0.007	0.000049

2202	496015.2	7249623	505.786	505.78	-0.006	0.000036
2213	495921.9	7249603	505.896	505.89	-0.006	0.000036
2270	495949.4	7249618	505.896	505.89	-0.006	0.000036
4590	495904.6	7249588	505.936	505.93	-0.006	0.000036
4621	495965.7	7249365	506.026	506.02	-0.006	0.000036
4627	495955.6	7249409	506.106	506.1	-0.006	0.000036
4557	496202.6	7249668	507.066	507.06	-0.006	0.000036
2307	496283.4	7249665	507.846	507.84	-0.006	0.000036
2122	496757.8	7249683	519.256	519.25	-0.006	0.000036
2112	496862.1	7249637	520.786	520.78	-0.006	0.000036
2375	497018.2	7249589	523.616	523.61	-0.006	0.000036
4402	497811.1	7249307	532.536	532.53	-0.006	0.000036
2018	497813.7	7249308	532.676	532.67	-0.006	0.000036
4339	498499.6	7249025	534.346	534.34	-0.006	0.000036
4391	497936.4	7249319	537.366	537.36	-0.006	0.000036
4365	498220.5	7249213	538.476	538.47	-0.006	0.000036
4272	499157.6	7248709	547.736	547.73	-0.006	0.000036
1417	503628.5	7246322	572.706	572.7	-0.006	0.000036
1802	500118.2	7248251	575.046	575.04	-0.006	0.000036
3758	504353.4	7246269	575.166	575.16	-0.006	0.000036
3093	504347.7	7246269	575.206	575.2	-0.006	0.000036
3143	504732.9	7246577	576.116	576.11	-0.006	0.000036
3727	504627.8	7246454	577.316	577.31	-0.006	0.000036
3704	504780.8	7246584	577.866	577.86	-0.006	0.000036
3117	504582.4	7246372	578.246	578.24	-0.006	0.000036
4142	500529.6	7247894	583.026	583.02	-0.006	0.000036
2864	501784	7247016	584.476	584.47	-0.006	0.000036
2708	500643.6	7247843	587.216	587.21	-0.006	0.000036
1594	501699.4	7247068	587.256	587.25	-0.006	0.000036
1270	504888.4	7246488	587.456	587.45	-0.006	0.000036
3167	504917.1	7246469	589.236	589.23	-0.006	0.000036
4028	501385.6	7247288	591.046	591.04	-0.006	0.000036
1238	505272.2	7246372	594.956	594.95	-0.006	0.000036
1641	501321.3	7247421	595.466	595.46	-0.006	0.000036
4043	501316.4	7247454	596.676	596.67	-0.006	0.000036
3602	505928.1	7246280	600.316	600.31	-0.006	0.000036
4066	501364	7247723	602.286	602.28	-0.006	0.000036

2214	495914.9	7249598	505.905	505.9	-0.005	0.000025
2399	497284.5	7249561	526.885	526.88	-0.005	0.000025
2059	497402.5	7249466	527.915	527.91	-0.005	0.000025
4341	498478.2	7249038	534.255	534.25	-0.005	0.000025
2015	497846.6	7249313	534.495	534.49	-0.005	0.000025
2527	498686.5	7248948	536.335	536.33	-0.005	0.000025
1937	498658.3	7248957	536.725	536.72	-0.005	0.000025
1945	498574.5	7248988	537.055	537.05	-0.005	0.000025
2599	499461.7	7248472	543.805	543.8	-0.005	0.000025
2579	499250.7	7248633	545.065	545.06	-0.005	0.000025
3839	503641	7246319	572.605	572.6	-0.005	0.000025
4174	500266.7	7248189	574.115	574.11	-0.005	0.000025
3062	504044.1	7246380	574.615	574.61	-0.005	0.000025
2652	500110.2	7248253	574.845	574.84	-0.005	0.000025
3731	504611.1	7246416	577.695	577.69	-0.005	0.000025
1473	503026.2	7246589	579.265	579.26	-0.005	0.000025
3957	502124.1	7246877	580.445	580.44	-0.005	0.000025
2686	500426.2	7247984	580.625	580.62	-0.005	0.000025
1516	502517.3	7246751	582.425	582.42	-0.005	0.000025
3984	501828.6	7246991	583.385	583.38	-0.005	0.000025
2699	500547.4	7247883	583.645	583.64	-0.005	0.000025
2932	502594.3	7246727	584.205	584.2	-0.005	0.000025
1584	501790.2	7247012	584.305	584.3	-0.005	0.000025
1619	501452.6	7247228	589.775	589.77	-0.005	0.000025
3637	505450.7	7246327	595.275	595.27	-0.005	0.000025
3621	505670.6	7246282	595.825	595.82	-0.005	0.000025
1642	501319.5	7247431	595.835	595.83	-0.005	0.000025
1195	505818.5	7246297	598.025	598.02	-0.005	0.000025
4579	495995	7249625	505.664	505.66	-0.004	0.000016
4583	495957.7	7249621	505.774	505.77	-0.004	0.000016
4592	495893.7	7249575	505.814	505.81	-0.004	0.000016
4622	495973.6	7249373	506.154	506.15	-0.004	0.000016
4531	496462.5	7249630	508.354	508.35	-0.004	0.000016
2160	496384	7249629	508.604	508.6	-0.004	0.000016
4538	496391.2	7249627	508.604	508.6	-0.004	0.000016
4542	496351.8	7249638	508.714	508.71	-0.004	0.000016
2344	496660.5	7249693	517.784	517.78	-0.004	0.000016

2081	497195.6	7249592	524.204	524.2	-0.004	0.000016
2089	497112.1	7249598	525.734	525.73	-0.004	0.000016
4404	497786.6	7249303	531.164	531.16	-0.004	0.000016
1974	498273.2	7249176	536.214	536.21	-0.004	0.000016
2532	498748.3	7248934	537.874	537.87	-0.004	0.000016
4310	498827.5	7248913	541.424	541.42	-0.004	0.000016
2572	499175.7	7248694	547.364	547.36	-0.004	0.000016
4205	499886.3	7248303	565.654	565.65	-0.004	0.000016
1372	504002.7	7246443	568.034	568.03	-0.004	0.000016
1394	503849.7	7246371	570.684	570.68	-0.004	0.000016
2658	500181.9	7248235	575.884	575.88	-0.004	0.000016
4183	500167.8	7248239	575.884	575.88	-0.004	0.000016
1285	504759	7246583	577.244	577.24	-0.004	0.000016
1322	504482.4	7246292	577.994	577.99	-0.004	0.000016
2961	502980.6	7246603	579.924	579.92	-0.004	0.000016
2947	502804.9	7246659	580.074	580.07	-0.004	0.000016
4143	500519	7247901	582.764	582.76	-0.004	0.000016
4001	501670.4	7247087	587.634	587.63	-0.004	0.000016
2710	500666.6	7247836	588.024	588.02	-0.004	0.000016
1267	504915.1	7246470	589.144	589.14	-0.004	0.000016
4021	501451.9	7247228	589.784	589.78	-0.004	0.000016
3675	505013.8	7246436	592.314	592.31	-0.004	0.000016
1212	505602.5	7246289	595.094	595.09	-0.004	0.000016
1210	505628.1	7246285	595.234	595.23	-0.004	0.000016
4044	501315.4	7247466	597.054	597.05	-0.004	0.000016
2773	501349.5	7247825	598.964	598.96	-0.004	0.000016
2733	500940.5	7247839	599.674	599.67	-0.004	0.000016
1662	501341.6	7247629	602.064	602.06	-0.004	0.000016
4086	501257.4	7247875	602.604	602.6	-0.004	0.000016
4599	495871.8	7249518	505.213	505.21	-0.003	0.000009
4567	496113	7249624	506.493	506.49	-0.003	0.000009
4552	496252.3	7249673	507.413	507.41	-0.003	0.000009
4479	497015.3	7249590	523.543	523.54	-0.003	0.000009
2379	497065.7	7249592	524.933	524.93	-0.003	0.000009
2091	497091.1	7249596	525.363	525.36	-0.003	0.000009
2435	497631.5	7249306	526.453	526.45	-0.003	0.000009
2405	497338.7	7249522	528.833	528.83	-0.003	0.000009

4448	497338.8	7249522	528.833	528.83	-0.003	0.000009
4333	498564	7248992	536.763	536.76	-0.003	0.000009
1996	498047.5	7249301	540.523	540.52	-0.003	0.000009
4377	498092	7249288	541.443	541.44	-0.003	0.000009
1418	503618.7	7246325	572.763	572.76	-0.003	0.000009
3059	504031.8	7246402	573.073	573.07	-0.003	0.000009
3011	503594.5	7246336	573.193	573.19	-0.003	0.000009
3145	504748.2	7246581	576.903	576.9	-0.003	0.000009
2907	502283.4	7246827	579.103	579.1	-0.003	0.000009
1477	502980.5	7246603	579.933	579.93	-0.003	0.000009
1484	502897	7246630	579.973	579.97	-0.003	0.000009
2956	502919.2	7246622	579.973	579.97	-0.003	0.000009
2950	502843	7246647	580.123	580.12	-0.003	0.000009
2884	501974.1	7246926	580.793	580.79	-0.003	0.000009
3699	504821	7246566	581.163	581.16	-0.003	0.000009
1524	502429.7	7246779	581.523	581.52	-0.003	0.000009
1515	502528.9	7246748	582.803	582.8	-0.003	0.000009
1511	502575.2	7246733	584.013	584.01	-0.003	0.000009
2811	501329.8	7247388	594.103	594.1	-0.003	0.000009
3616	505738.9	7246288	597.193	597.19	-0.003	0.000009
1188	505905.9	7246288	599.563	599.56	-0.003	0.000009
2796	501326.4	7247565	600.403	600.4	-0.003	0.000009
2777	501367.5	7247788	600.713	600.71	-0.003	0.000009
3254	505976	7246260	600.953	600.95	-0.003	0.000009
3598	505975.7	7246260	600.953	600.95	-0.003	0.000009
4065	501361.5	7247712	602.213	602.21	-0.003	0.000009
2753	501178.4	7247867	602.833	602.83	-0.003	0.000009
4593	495889.2	7249568	505.692	505.69	-0.002	0.000004
2286	496093.2	7249619	506.392	506.39	-0.002	0.000004
4574	496045.3	7249619	506.432	506.43	-0.002	0.000004
2181	496191.4	7249664	507.002	507	-0.002	0.000004
2146	496518.5	7249651	508.772	508.77	-0.002	0.000004
2129	496683.5	7249694	518.302	518.3	-0.002	0.000004
2109	496894.2	7249621	520.932	520.93	-0.002	0.000004
1997	498037.3	7249304	540.282	540.28	-0.002	0.000004
4371	498154.7	7249257	540.872	540.87	-0.002	0.000004
1873	499309.2	7248585	543.772	543.77	-0.002	0.000004

1880	499243.4	7248639	545.352	545.35	-0.002	0.000004
4208	499848.9	7248312	563.612	563.61	-0.002	0.000004
3838	503652	7246316	572.532	572.53	-0.002	0.000004
1419	503609	7246329	572.882	572.88	-0.002	0.000004
1367	504031.4	7246403	572.942	572.94	-0.002	0.000004
3120	504601.7	7246399	577.832	577.83	-0.002	0.000004
2968	503069.3	7246575	578.592	578.59	-0.002	0.000004
1315	504547.4	7246334	578.622	578.62	-0.002	0.000004
1778	500345.2	7248101	579.102	579.1	-0.002	0.000004
2676	500351.4	7248091	579.522	579.52	-0.002	0.000004
2902	502195.4	7246854	579.652	579.65	-0.002	0.000004
3898	502897	7246630	579.982	579.98	-0.002	0.000004
2951	502855.7	7246643	580.132	580.13	-0.002	0.000004
1765	500426.4	7247984	580.622	580.62	-0.002	0.000004
2891	502052.6	7246900	580.702	580.7	-0.002	0.000004
2696	500518.7	7247901	582.752	582.75	-0.002	0.000004
2869	501829.8	7246991	583.342	583.34	-0.002	0.000004
3917	502641.5	7246712	584.412	584.41	-0.002	0.000004
2852	501669.7	7247087	587.622	587.62	-0.002	0.000004
1268	504905.5	7246476	588.602	588.6	-0.002	0.000004
1258	505017.8	7246436	592.332	592.33	-0.002	0.000004
3674	505024.3	7246434	592.412	592.41	-0.002	0.000004
3196	505250.5	7246378	594.852	594.85	-0.002	0.000004
3219	505544.2	7246304	594.982	594.98	-0.002	0.000004
3208	505405.8	7246338	595.552	595.55	-0.002	0.000004
1231	505362.4	7246349	595.592	595.59	-0.002	0.000004
1197	505793.5	7246295	598.162	598.16	-0.002	0.000004
4107	500977.5	7247844	600.582	600.58	-0.002	0.000004
2736	500978.7	7247844	600.622	600.62	-0.002	0.000004
1690	501291.1	7247870	601.262	601.26	-0.002	0.000004
2792	501337.7	7247614	601.802	601.8	-0.002	0.000004
1711	501039.5	7247851	602.002	602	-0.002	0.000004
2789	501346.6	7247650	602.302	602.3	-0.002	0.000004
1704	501129.7	7247862	602.892	602.89	-0.002	0.000004
2311	496322.1	7249650	508.501	508.5	-0.001	0.000001
4490	496892.1	7249622	520.941	520.94	-0.001	0.000001
2101	496983.2	7249592	522.821	522.82	-0.001	0.000001

4460	497224	7249585	523.621	523.62	-0.001	0.000001
4461	497212.8	7249587	523.771	523.77	-0.001	0.000001
4419	497603.8	7249315	526.161	526.16	-0.001	0.000001
4352	498361.7	7249115	533.421	533.42	-0.001	0.000001
4342	498467.7	7249044	534.331	534.33	-0.001	0.000001
4343	498457.3	7249051	534.341	534.34	-0.001	0.000001
4399	497846.1	7249313	534.471	534.47	-0.001	0.000001
1978	498230.5	7249206	538.061	538.06	-0.001	0.000001
2463	497958.1	7249318	538.161	538.16	-0.001	0.000001
2003	497975.6	7249317	538.691	538.69	-0.001	0.000001
1982	498187	7249235	539.851	539.85	-0.001	0.000001
1993	498077.4	7249292	541.321	541.32	-0.001	0.000001
1877	499271.6	7248616	544.321	544.32	-0.001	0.000001
4239	499486.5	7248457	544.911	544.91	-0.001	0.000001
4231	499577.7	7248407	548.991	548.99	-0.001	0.000001
1821	499871.8	7248306	564.801	564.8	-0.001	0.000001
4185	500143.9	7248245	575.531	575.53	-0.001	0.000001
3114	504560.5	7246347	578.551	578.55	-0.001	0.000001
1317	504529.7	7246320	578.661	578.66	-0.001	0.000001
3936	502395.2	7246790	581.441	581.44	-0.001	0.000001
2878	501903.6	7246956	582.031	582.03	-0.001	0.000001
1513	502552.1	7246740	583.501	583.5	-0.001	0.000001
2848	501630.8	7247112	587.811	587.81	-0.001	0.000001
2825	501422.3	7247250	590.171	590.17	-0.001	0.000001
1250	505117.4	7246411	593.301	593.3	-0.001	0.000001
3649	505291.3	7246367	594.971	594.97	-0.001	0.000001
3212	505456.9	7246325	595.311	595.31	-0.001	0.000001
4041	501319.7	7247431	595.801	595.8	-0.001	0.000001
2807	501318.9	7247436	596.011	596.01	-0.001	0.000001
3613	505780	7246293	597.891	597.89	-0.001	0.000001
3238	505788	7246294	598.071	598.07	-0.001	0.000001
1670	501360.3	7247708	602.201	602.2	-0.001	0.000001
4613	495904.6	7249409	504.92	504.92	0	0
2152	496458.5	7249629	508.29	508.29	0	0
2087	497133.1	7249599	525.82	525.82	0	0
4439	497416.9	7249454	527.29	527.29	0	0
2497	498339.6	7249130	533.86	533.86	0	0

4354	498340.1	7249130	533.86	533.86	0	0
1948	498542.3	7249002	535.97	535.97	0	0
4317	498744.9	7248935	537.74	537.74	0	0
2464	497970	7249318	538.53	538.53	0	0
2471	498053.6	7249300	540.69	540.69	0	0
1992	498087.1	7249289	541.43	541.43	0	0
2546	498915.2	7248878	544.59	544.59	0	0
4265	499217.1	7248660	546.19	546.19	0	0
2566	499117	7248743	547.84	547.84	0	0
2613	499626.3	7248384	552.68	552.68	0	0
2629	499822.1	7248318	562.42	562.42	0	0
1822	499859.4	7248309	564.24	564.24	0	0
3826	503776.3	7246325	572.62	572.62	0	0
3841	503618.7	7246326	572.76	572.76	0	0
3787	504047.1	7246376	574.78	574.78	0	0
2660	500203.8	7248226	575.42	575.42	0	0
3098	504405.7	7246271	575.8	575.8	0	0
1308	504597.6	7246392	577.92	577.92	0	0
1312	504571.4	7246358	578.46	578.46	0	0
1489	502835.6	7246649	580.12	580.12	0	0
2886	501996.1	7246919	580.68	580.68	0	0
2890	502041.1	7246904	580.68	580.68	0	0
4146	500488.5	7247923	581.78	581.78	0	0
2925	502507.9	7246754	582.27	582.27	0	0
2700	500557.2	7247878	583.98	583.98	0	0
3995	501730.6	7247048	586.15	586.15	0	0
1593	501709.2	7247061	586.89	586.89	0	0
1606	501576	7247147	588.18	588.18	0	0
1220	505500.5	7246315	595.32	595.32	0	0
3229	505671.5	7246282	595.85	595.85	0	0
3236	505762.6	7246291	597.59	597.59	0	0
1191	505869.1	7246295	597.82	597.82	0	0
2731	500915.9	7247836	598.91	598.91	0	0
1707	501091.9	7247857	602.73	602.73	0	0
2745	501091.9	7247857	602.73	602.73	0	0
1706	501104.7	7247858	602.81	602.81	0	0
2204	495996	7249625	505.679	505.68	0.001	0.000001

2298	496197.6	7249666	507.029	507.03	0.001	0.000001
2329	496505.6	7249644	508.619	508.62	0.001	0.000001
2119	496789.7	7249671	519.869	519.87	0.001	0.000001
4459	497235.3	7249581	523.759	523.76	0.001	0.000001
2077	497238.9	7249581	523.829	523.83	0.001	0.000001
2452	497833.4	7249311	533.809	533.81	0.001	0.000001
4370	498165.3	7249250	540.549	540.55	0.001	0.000001
2597	499439.5	7248487	542.829	542.83	0.001	0.000001
1918	498879.8	7248894	543.539	543.54	0.001	0.000001
2543	498879.8	7248893	543.539	543.54	0.001	0.000001
1848	499559.1	7248417	547.909	547.91	0.001	0.000001
1804	500094.3	7248256	574.409	574.41	0.001	0.000001
3786	504052.6	7246368	575.139	575.14	0.001	0.000001
4181	500190.8	7248232	575.649	575.65	0.001	0.000001
2672	500323.2	7248133	577.669	577.67	0.001	0.000001
1539	502272.4	7246830	578.899	578.9	0.001	0.000001
1774	500368.8	7248064	579.949	579.95	0.001	0.000001
3961	502072.2	7246894	580.659	580.66	0.001	0.000001
1576	501865.1	7246973	582.549	582.55	0.001	0.000001
1752	500542.3	7247886	583.499	583.5	0.001	0.000001
3923	502567.7	7246736	583.909	583.91	0.001	0.000001
1608	501554.8	7247160	588.339	588.34	0.001	0.000001
3685	504915.7	7246470	589.169	589.17	0.001	0.000001
3655	505215.4	7246387	594.489	594.49	0.001	0.000001
3215	505494.5	7246316	595.329	595.33	0.001	0.000001
2805	501316.1	7247460	596.859	596.86	0.001	0.000001
3237	505775.4	7246293	597.809	597.81	0.001	0.000001
1722	500896	7247834	598.279	598.28	0.001	0.000001
2770	501327.5	7247847	598.839	598.84	0.001	0.000001
1718	500947.6	7247840	599.839	599.84	0.001	0.000001
4104	501019.1	7247849	601.539	601.54	0.001	0.000001
2740	501030.2	7247850	601.789	601.79	0.001	0.000001
1664	501346.3	7247649	602.299	602.3	0.001	0.000001
1696	501226.3	7247873	602.479	602.48	0.001	0.000001
1705	501117.3	7247860	602.819	602.82	0.001	0.000001
2238	495951.6	7249359	505.758	505.76	0.002	0.000004
4545	496322	7249650	508.498	508.5	0.002	0.000004

2141	496568.6	7249674	513.258	513.26	0.002	0.000004
2105	496938.4	7249602	521.678	521.68	0.002	0.000004
2080	497206	7249589	523.838	523.84	0.002	0.000004
1967	498347.7	7249124	533.698	533.7	0.002	0.000004
2493	498294.6	7249161	535.168	535.17	0.002	0.000004
4361	498264.7	7249182	536.668	536.67	0.002	0.000004
1987	498136.3	7249267	541.168	541.17	0.002	0.000004
2588	499344.4	7248556	543.178	543.18	0.002	0.000004
4299	498942.4	7248865	545.068	545.07	0.002	0.000004
2634	499883.1	7248303	565.438	565.44	0.002	0.000004
3842	503607.6	7246330	572.898	572.9	0.002	0.000004
3774	504158.7	7246288	573.868	573.87	0.002	0.000004
2670	500306.8	7248153	576.578	576.58	0.002	0.000004
1314	504555.8	7246341	578.588	578.59	0.002	0.000004
1531	502358.9	7246802	581.078	581.08	0.002	0.000004
3986	501806.7	7247003	583.918	583.92	0.002	0.000004
1264	504947.9	7246455	590.668	590.67	0.002	0.000004
3681	504953.6	7246453	590.918	590.92	0.002	0.000004
1237	505285.1	7246369	594.968	594.97	0.002	0.000004
4040	501321.9	7247419	595.368	595.37	0.002	0.000004
1198	505781.1	7246293	597.928	597.93	0.002	0.000004
1658	501331.6	7247589	601.168	601.17	0.002	0.000004
1672	501364.7	7247726	602.308	602.31	0.002	0.000004
2762	501261.2	7247875	602.558	602.56	0.002	0.000004
2220	495871.5	7249516	505.207	505.21	0.003	0.000009
4584	495949	7249618	505.887	505.89	0.003	0.000009
2240	495968.4	7249367	506.087	506.09	0.003	0.000009
4539	496381.4	7249629	508.577	508.58	0.003	0.000009
2339	496604.1	7249686	515.837	515.84	0.003	0.000009
2376	497030.3	7249589	523.857	523.86	0.003	0.000009
2503	498408.9	7249083	533.667	533.67	0.003	0.000009
1956	498459.6	7249049	534.337	534.34	0.003	0.000009
2524	498649.9	7248959	536.927	536.93	0.003	0.000009
4373	498133.8	7249269	541.217	541.22	0.003	0.000009
4251	499354.3	7248549	543.107	543.11	0.003	0.000009
4252	499343.8	7248557	543.187	543.19	0.003	0.000009
1878	499262.2	7248623	544.757	544.76	0.003	0.000009

1881	499234	7248647	545.587	545.59	0.003	0.000009
1883	499215.3	7248662	546.227	546.23	0.003	0.000009
2608	499567.9	7248412	548.287	548.29	0.003	0.000009
4203	499911.9	7248297	566.867	566.87	0.003	0.000009
1415	503648.8	7246317	572.547	572.55	0.003	0.000009
3020	503710.6	7246312	572.577	572.58	0.003	0.000009
3079	504176.9	7246283	573.737	573.74	0.003	0.000009
4187	500119.8	7248251	575.077	575.08	0.003	0.000009
3123	504617.5	7246429	577.637	577.64	0.003	0.000009
1777	500351	7248092	579.507	579.51	0.003	0.000009
4156	500401.7	7248015	580.467	580.47	0.003	0.000009
2893	502076.1	7246893	580.677	580.68	0.003	0.000009
4147	500478.7	7247931	581.557	581.56	0.003	0.000009
3930	502475.5	7246765	581.867	581.87	0.003	0.000009
1500	502702.1	7246693	582.327	582.33	0.003	0.000009
1580	501830.1	7246990	583.327	583.33	0.003	0.000009
2842	501574.5	7247148	588.177	588.18	0.003	0.000009
1259	505005.9	7246439	592.247	592.25	0.003	0.000009
3176	505009.9	7246438	592.287	592.29	0.003	0.000009
3662	505143.8	7246405	593.597	593.6	0.003	0.000009
3644	505357.9	7246351	595.617	595.62	0.003	0.000009
2784	501361.4	7247711	602.207	602.21	0.003	0.000009
2201	496024.9	7249622	505.996	506	0.004	0.000016
4576	496025.1	7249622	505.996	506	0.004	0.000016
2366	496907.3	7249615	521.136	521.14	0.004	0.000016
2034	497633.7	7249305	526.486	526.49	0.004	0.000016
1955	498469.4	7249043	534.316	534.32	0.004	0.000016
4362	498253.9	7249190	537.186	537.19	0.004	0.000016
4331	498585.2	7248983	537.326	537.33	0.004	0.000016
2541	498855.8	7248903	542.506	542.51	0.004	0.000016
2575	499207.7	7248668	546.456	546.46	0.004	0.000016
4235	499531.7	7248431	546.776	546.78	0.004	0.000016
4270	499173.6	7248696	547.416	547.42	0.004	0.000016
2616	499662.3	7248369	554.616	554.62	0.004	0.000016
1812	499990.7	7248279	570.036	570.04	0.004	0.000016
3036	503850.4	7246371	570.626	570.63	0.004	0.000016
3825	503784.8	7246329	572.586	572.59	0.004	0.000016

3770	504206.3	7246278	573.926	573.93	0.004	0.000016
3788	504042.2	7246384	574.396	574.4	0.004	0.000016
3762	504304.8	7246271	575.136	575.14	0.004	0.000016
3749	504459.3	7246283	577.226	577.23	0.004	0.000016
2674	500337.7	7248112	578.516	578.52	0.004	0.000016
1776	500356.9	7248083	579.626	579.63	0.004	0.000016
3893	502965.3	7246608	579.866	579.87	0.004	0.000016
3902	502843.1	7246647	580.116	580.12	0.004	0.000016
1581	501821.3	7246995	583.586	583.59	0.004	0.000016
3916	502653.6	7246708	584.186	584.19	0.004	0.000016
1509	502598	7246726	584.266	584.27	0.004	0.000016
2847	501621.1	7247118	588.006	588.01	0.004	0.000016
3166	504908.7	7246474	588.806	588.81	0.004	0.000016
1735	500731.3	7247826	590.846	590.85	0.004	0.000016
3217	505519.2	7246310	595.146	595.15	0.004	0.000016
2802	501315.1	7247494	597.996	598	0.004	0.000016
3612	505793.6	7246295	598.156	598.16	0.004	0.000016
2791	501340.7	7247626	602.006	602.01	0.004	0.000016
1703	501142.1	7247863	602.876	602.88	0.004	0.000016
2242	495977.3	7249385	506.295	506.3	0.005	0.000025
2171	496282.9	7249665	507.825	507.83	0.005	0.000025
4543	496341.9	7249642	508.565	508.57	0.005	0.000025
2124	496736.1	7249689	518.945	518.95	0.005	0.000025
4501	496778.4	7249676	519.695	519.7	0.005	0.000025
2115	496830.7	7249652	520.475	520.48	0.005	0.000025
2380	497077.4	7249594	525.125	525.13	0.005	0.000025
4440	497408	7249462	527.695	527.7	0.005	0.000025
4442	497390.2	7249477	528.515	528.52	0.005	0.000025
4388	497971	7249318	538.545	538.55	0.005	0.000025
4386	497993.5	7249315	539.225	539.23	0.005	0.000025
4374	498123.4	7249274	541.305	541.31	0.005	0.000025
1990	498106.7	7249282	541.415	541.42	0.005	0.000025
1920	498857.9	7248902	542.585	542.59	0.005	0.000025
2570	499155.4	7248711	547.785	547.79	0.005	0.000025
3833	503703.3	7246312	572.525	572.53	0.005	0.000025
3829	503743.6	7246315	572.605	572.61	0.005	0.000025
1807	500056.7	7248264	572.995	573	0.005	0.000025

2653	500123	7248250	575.135	575.14	0.005	0.000025
3089	504302.1	7246272	575.145	575.15	0.005	0.000025
2654	500135.4	7248247	575.375	575.38	0.005	0.000025
1784	500305.1	7248154	576.435	576.44	0.005	0.000025
3148	504771.8	7246584	577.555	577.56	0.005	0.000025
2966	503043.4	7246583	579.195	579.2	0.005	0.000025
1476	502992	7246599	579.805	579.81	0.005	0.000025
2952	502868.5	7246639	580.095	580.1	0.005	0.000025
2949	502830.2	7246651	580.165	580.17	0.005	0.000025
2684	500409.6	7248004	580.595	580.6	0.005	0.000025
3962	502059.3	7246898	580.695	580.7	0.005	0.000025
1565	501977.1	7246925	580.705	580.71	0.005	0.000025
4145	500498.4	7247915	582.075	582.08	0.005	0.000025
1753	500531.9	7247892	583.075	583.08	0.005	0.000025
3988	501792.5	7247011	584.235	584.24	0.005	0.000025
2701	500567.3	7247873	584.395	584.4	0.005	0.000025
2702	500577.7	7247868	584.605	584.61	0.005	0.000025
3211	505444.2	7246329	595.275	595.28	0.005	0.000025
1230	505375.1	7246346	595.635	595.64	0.005	0.000025
3243	505850.8	7246296	597.835	597.84	0.005	0.000025
3255	505987.3	7246254	600.935	600.94	0.005	0.000025
4083	501290.9	7247870	601.265	601.27	0.005	0.000025
4630	495924.4	7249402	505.524	505.53	0.006	0.000036
4620	495956	7249360	505.834	505.84	0.006	0.000036
4586	495932.6	7249610	505.914	505.92	0.006	0.000036
2199	496043.9	7249619	506.414	506.42	0.006	0.000036
4524	496536.8	7249660	509.674	509.68	0.006	0.000036
1946	498563.8	7248992	536.754	536.76	0.006	0.000036
4364	498231.8	7249205	538.034	538.04	0.006	0.000036
2485	498206.3	7249223	539.104	539.11	0.006	0.000036
1870	499337.6	7248561	543.324	543.33	0.006	0.000036
2609	499579.7	7248406	549.174	549.18	0.006	0.000036
4221	499694.3	7248357	556.444	556.45	0.006	0.000036
4204	499899	7248300	566.184	566.19	0.006	0.000036
1818	499910.4	7248297	566.794	566.8	0.006	0.000036
2637	499918.7	7248295	567.214	567.22	0.006	0.000036
2666	500268.3	7248188	574.164	574.17	0.006	0.000036

2657	500170.8	7248238	575.914	575.92	0.006	0.000036
1478	502968.9	7246607	579.814	579.82	0.006	0.000036
2960	502968.4	7246607	579.814	579.82	0.006	0.000036
2953	502881.2	7246635	580.074	580.08	0.006	0.000036
3901	502856.5	7246643	580.144	580.15	0.006	0.000036
2894	502087.8	7246889	580.744	580.75	0.006	0.000036
4149	500459.9	7247949	581.234	581.24	0.006	0.000036
3976	501891.9	7246961	582.214	582.22	0.006	0.000036
3689	504883.3	7246493	587.194	587.2	0.006	0.000036
1595	501689.6	7247074	587.494	587.5	0.006	0.000036
3179	505044.4	7246429	592.564	592.57	0.006	0.000036
3672	505045	7246429	592.564	592.57	0.006	0.000036
3650	505278.3	7246371	594.934	594.94	0.006	0.000036
3207	505393.1	7246342	595.464	595.47	0.006	0.000036
3234	505736.8	7246287	597.154	597.16	0.006	0.000036
3604	505903	7246288	599.444	599.45	0.006	0.000036
4062	501353.3	7247677	602.204	602.21	0.006	0.000036
2788	501349.6	7247662	602.314	602.32	0.006	0.000036
4095	501144.8	7247863	602.864	602.87	0.006	0.000036
4612	495898.2	7249414	504.963	504.97	0.007	0.000049
2032	497654.9	7249300	526.803	526.81	0.007	0.000049
2062	497376.6	7249489	528.933	528.94	0.007	0.000049
1969	498326.7	7249139	534.223	534.23	0.007	0.000049
1957	498449.9	7249056	534.283	534.29	0.007	0.000049
1952	498499.8	7249025	534.343	534.35	0.007	0.000049
2490	498261	7249185	536.823	536.83	0.007	0.000049
2533	498760.6	7248931	538.483	538.49	0.007	0.000049
2470	498041.9	7249303	540.373	540.38	0.007	0.000049
2480	498153.3	7249257	540.903	540.91	0.007	0.000049
2593	499395.8	7248517	542.193	542.2	0.007	0.000049
4232	499566.1	7248413	548.193	548.2	0.007	0.000049
1837	499681.4	7248362	555.783	555.79	0.007	0.000049
1836	499693.3	7248357	556.383	556.39	0.007	0.000049
4189	500095.4	7248256	574.443	574.45	0.007	0.000049
3778	504116.3	7246309	574.633	574.64	0.007	0.000049
3090	504313.5	7246271	575.133	575.14	0.007	0.000049
4170	500305.4	7248154	576.453	576.46	0.007	0.000049

1783	500312.7	7248146	577.023	577.03	0.007	0.000049
3146	504756.1	7246583	577.143	577.15	0.007	0.000049
3725	504635.1	7246472	577.283	577.29	0.007	0.000049
1544	502213	7246849	579.253	579.26	0.007	0.000049
3973	501922.9	7246947	581.763	581.77	0.007	0.000049
3979	501865.8	7246973	582.543	582.55	0.007	0.000049
3997	501711.2	7247060	586.823	586.83	0.007	0.000049
4005	501627.6	7247114	587.863	587.87	0.007	0.000049
2718	500761.4	7247824	592.123	592.13	0.007	0.000049
3205	505367.8	7246348	595.583	595.59	0.007	0.000049
1644	501316.7	7247451	596.563	596.57	0.007	0.000049
4102	501047.1	7247852	602.173	602.18	0.007	0.000049
2782	501366.4	7247735	602.353	602.36	0.007	0.000049
2747	501115.1	7247860	602.803	602.81	0.007	0.000049
1701	501166.7	7247866	602.903	602.91	0.007	0.000049
2280	496037.9	7249620	506.322	506.33	0.008	0.000064
2338	496593.7	7249683	515.142	515.15	0.008	0.000064
2011	497889.6	7249317	535.802	535.81	0.008	0.000064
1933	498704.6	7248943	536.582	536.59	0.008	0.000064
4224	499659.4	7248370	554.442	554.45	0.008	0.000064
1815	499950.6	7248288	568.692	568.7	0.008	0.000064
3017	503676.2	7246313	572.452	572.46	0.008	0.000064
3023	503742.3	7246315	572.592	572.6	0.008	0.000064
1791	500238.9	7248208	574.762	574.77	0.008	0.000064
3087	504279.1	7246273	575.032	575.04	0.008	0.000064
3066	504064.9	7246351	575.462	575.47	0.008	0.000064
1305	504612.7	7246418	577.692	577.7	0.008	0.000064
1464	503125	7246557	577.772	577.78	0.008	0.000064
2962	502992.8	7246599	579.802	579.81	0.008	0.000064
1521	502461.4	7246769	581.812	581.82	0.008	0.000064
3985	501818.8	7246996	583.632	583.64	0.008	0.000064
3921	502592.7	7246728	584.162	584.17	0.008	0.000064
1506	502632.1	7246715	584.512	584.52	0.008	0.000064
1748	500584.9	7247864	584.852	584.86	0.008	0.000064
3172	504965.6	7246449	591.272	591.28	0.008	0.000064
3651	505265.3	7246374	594.882	594.89	0.008	0.000064
3631	505532.4	7246307	595.012	595.02	0.008	0.000064

3626	505601.5	7246290	595.082	595.09	0.008	0.000064
4075	501357.4	7247813	599.022	599.03	0.008	0.000064
2737	500991.6	7247845	600.942	600.95	0.008	0.000064
1671	501362.6	7247717	602.232	602.24	0.008	0.000064
2742	501055.3	7247853	602.292	602.3	0.008	0.000064
4099	501089.6	7247857	602.712	602.72	0.008	0.000064
4604	495866.6	7249473	505.481	505.49	0.009	0.000081
2074	497270.4	7249568	526.181	526.19	0.009	0.000081
2031	497665.7	7249298	526.901	526.91	0.009	0.000081
2507	498454.5	7249053	534.331	534.34	0.009	0.000081
1970	498316.1	7249147	534.531	534.54	0.009	0.000081
1983	498176.4	7249242	540.201	540.21	0.009	0.000081
1985	498156.3	7249255	540.811	540.82	0.009	0.000081
4197	499992	7248279	570.091	570.1	0.009	0.000081
3828	503755.7	7246319	572.541	572.55	0.009	0.000081
3021	503721.7	7246312	572.571	572.58	0.009	0.000081
1402	503781.1	7246327	572.601	572.61	0.009	0.000081
4192	500057.7	7248264	573.041	573.05	0.009	0.000081
1364	504046.8	7246376	574.801	574.81	0.009	0.000081
3091	504324.8	7246270	575.151	575.16	0.009	0.000081
3099	504417.3	7246272	576.141	576.15	0.009	0.000081
1772	500381	7248045	580.141	580.15	0.009	0.000081
4159	500381.3	7248045	580.141	580.15	0.009	0.000081
1490	502823.4	7246653	580.181	580.19	0.009	0.000081
1568	501946.3	7246937	581.211	581.22	0.009	0.000081
3671	505055	7246427	592.631	592.64	0.009	0.000081
1216	505551.2	7246302	594.991	595	0.009	0.000081
3216	505506.8	7246313	595.271	595.28	0.009	0.000081
3641	505397.7	7246341	595.461	595.47	0.009	0.000081
1710	501052.6	7247852	602.261	602.27	0.009	0.000081
2184	496167.1	7249652	507.09	507.1	0.01	0.0001
2165	496338.5	7249643	508.55	508.56	0.01	0.0001
2315	496361.7	7249634	508.72	508.73	0.01	0.0001
4491	496881.5	7249627	520.95	520.96	0.01	0.0001
2083	497175	7249596	525.1	525.11	0.01	0.0001
2013	497868	7249316	535.26	535.27	0.01	0.0001
4316	498757.2	7248932	538.3	538.31	0.01	0.0001

4258	499283.1	7248606	544.19	544.2	0.01	0.0001
4263	499235.3	7248646	545.58	545.59	0.01	0.0001
1882	499224.6	7248654	545.87	545.88	0.01	0.0001
4237	499509.1	7248444	545.91	545.92	0.01	0.0001
2573	499186.3	7248685	546.98	546.99	0.01	0.0001
2633	499871.5	7248306	564.77	564.78	0.01	0.0001
4195	500018.7	7248273	571.17	571.18	0.01	0.0001
3006	503536.8	7246367	574.51	574.52	0.01	0.0001
1356	504100.4	7246320	575.03	575.04	0.01	0.0001
3071	504100.4	7246320	575.03	575.04	0.01	0.0001
3856	503449	7246418	575.44	575.45	0.01	0.0001
3732	504605.7	7246407	577.74	577.75	0.01	0.0001
3746	504491.2	7246297	578.25	578.26	0.01	0.0001
3741	504539.8	7246328	578.57	578.58	0.01	0.0001
1472	503037.4	7246585	579.25	579.26	0.01	0.0001
1537	502295.7	7246823	579.28	579.29	0.01	0.0001
2959	502956.2	7246611	580.07	580.08	0.01	0.0001
1522	502450.7	7246773	581.7	581.71	0.01	0.0001
3221	505569	7246297	595	595.01	0.01	0.0001
3627	505587.7	7246293	595.1	595.11	0.01	0.0001
3624	505629.3	7246285	595.24	595.25	0.01	0.0001
3642	505384.5	7246344	595.65	595.66	0.01	0.0001
1199	505768.6	7246292	597.69	597.7	0.01	0.0001
4080	501320.1	7247853	599.15	599.16	0.01	0.0001
1708	501078.9	7247855	602.63	602.64	0.01	0.0001
2235	495930.8	7249371	505.609	505.62	0.011	0.000121
4605	495867.7	7249465	505.609	505.62	0.011	0.000121
4588	495917.8	7249600	505.899	505.91	0.011	0.000121
4589	495911	7249594	505.899	505.91	0.011	0.000121
4549	496282.4	7249665	507.809	507.82	0.011	0.000121
2167	496320.1	7249651	508.489	508.5	0.011	0.000121
2411	497394.2	7249474	528.329	528.34	0.011	0.000121
2065	497350.5	7249512	529.019	529.03	0.011	0.000121
4392	497924.9	7249319	536.899	536.91	0.011	0.000121
4325	498648.6	7248960	536.969	536.98	0.011	0.000121
2518	498580.8	7248985	537.229	537.24	0.011	0.000121
4249	499375.4	7248532	542.549	542.56	0.011	0.000121

2591	499375	7248532	542.559	542.57	0.011	0.000121
4243	499441.5	7248486	542.899	542.91	0.011	0.000121
2601	499484.8	7248458	544.859	544.87	0.011	0.000121
1912	498942.7	7248865	545.059	545.07	0.011	0.000121
2576	499218.4	7248659	546.129	546.14	0.011	0.000121
1889	499159.9	7248707	547.669	547.68	0.011	0.000121
2639	499943.1	7248290	568.369	568.38	0.011	0.000121
4198	499978.6	7248282	569.619	569.63	0.011	0.000121
3033	503827.4	7246353	571.629	571.64	0.011	0.000121
3019	503699.2	7246311	572.519	572.53	0.011	0.000121
1469	503070.4	7246574	578.579	578.59	0.011	0.000121
4162	500361.5	7248075	579.799	579.81	0.011	0.000121
1480	502945.4	7246614	580.159	580.17	0.011	0.000121
2887	502007.3	7246915	580.629	580.64	0.011	0.000121
1555	502087.2	7246889	580.729	580.74	0.011	0.000121
2693	500490	7247922	581.819	581.83	0.011	0.000121
3185	505115.3	7246412	593.249	593.26	0.011	0.000121
3629	505560	7246300	594.979	594.99	0.011	0.000121
3210	505431.4	7246332	595.379	595.39	0.011	0.000121
3231	505697.8	7246283	596.359	596.37	0.011	0.000121
1686	501328.3	7247847	598.839	598.85	0.011	0.000121
1687	501319.6	7247854	599.199	599.21	0.011	0.000121
1655	501324.9	7247560	600.169	600.18	0.011	0.000121
1679	501367.4	7247789	600.659	600.67	0.011	0.000121
2756	501207.6	7247871	602.449	602.46	0.011	0.000121
4097	501117.5	7247860	602.809	602.82	0.011	0.000121
2256	495876.7	7249440	505.658	505.67	0.012	0.000144
2492	498283.4	7249169	535.668	535.68	0.012	0.000144
1976	498251.9	7249191	537.268	537.28	0.012	0.000144
1871	499328.1	7248569	543.528	543.54	0.012	0.000144
1849	499548.3	7248422	547.458	547.47	0.012	0.000144
4222	499682.6	7248361	555.838	555.85	0.012	0.000144
2618	499686.7	7248360	556.018	556.03	0.012	0.000144
2641	499968.1	7248284	569.308	569.32	0.012	0.000144
2668	500288.2	7248171	575.118	575.13	0.012	0.000144
3125	504625.9	7246449	577.408	577.42	0.012	0.000144
3734	504593.8	7246388	577.948	577.96	0.012	0.000144

3735	504587.4	7246379	578.088	578.1	0.012	0.000144
4163	500355.1	7248085	579.568	579.58	0.012	0.000144
3900	502870	7246638	580.098	580.11	0.012	0.000144
4155	500409.1	7248005	580.598	580.61	0.012	0.000144
3967	501995.8	7246919	580.668	580.68	0.012	0.000144
3911	502718.6	7246688	581.568	581.58	0.012	0.000144
1271	504881.1	7246495	587.078	587.09	0.012	0.000144
1596	501679.7	7247080	587.598	587.61	0.012	0.000144
2853	501679.4	7247081	587.598	587.61	0.012	0.000144
4000	501680.9	7247080	587.598	587.61	0.012	0.000144
3171	504955.1	7246452	590.988	591	0.012	0.000144
3633	505504.8	7246314	595.278	595.29	0.012	0.000144
3203	505342	7246354	595.358	595.37	0.012	0.000144
1209	505641	7246283	595.368	595.38	0.012	0.000144
3230	505684.7	7246282	596.118	596.13	0.012	0.000144
4108	500963.6	7247842	600.128	600.14	0.012	0.000144
1180	505997	7246250	600.718	600.73	0.012	0.000144
4606	495869.6	7249456	505.667	505.68	0.013	0.000169
1972	498294.6	7249161	535.147	535.16	0.013	0.000169
1944	498585	7248983	537.317	537.33	0.013	0.000169
4266	499208.3	7248667	546.437	546.45	0.013	0.000169
3034	503835.4	7246359	571.327	571.34	0.013	0.000169
3027	503779.8	7246327	572.607	572.62	0.013	0.000169
3840	503629.9	7246322	572.687	572.7	0.013	0.000169
3775	504147.6	7246293	573.957	573.97	0.013	0.000169
3082	504221.3	7246277	574.127	574.14	0.013	0.000169
2993	503389.3	7246449	574.507	574.52	0.013	0.000169
1794	500207.3	7248225	575.347	575.36	0.013	0.000169
3755	504389.8	7246269	575.367	575.38	0.013	0.000169
1449	503294.7	7246495	575.507	575.52	0.013	0.000169
1452	503261.9	7246509	575.837	575.85	0.013	0.000169
4165	500342.3	7248105	578.897	578.91	0.013	0.000169
3950	502213.3	7246849	579.247	579.26	0.013	0.000169
1474	503014.9	7246592	579.497	579.51	0.013	0.000169
3897	502910.6	7246625	579.857	579.87	0.013	0.000169
1492	502799.2	7246661	580.007	580.02	0.013	0.000169
3894	502951.6	7246612	580.147	580.16	0.013	0.000169

3966	502008.4	7246914	580.607	580.62	0.013	0.000169
1569	501936.6	7246941	581.467	581.48	0.013	0.000169
3983	501838.1	7246986	583.147	583.16	0.013	0.000169
2868	501819.8	7246996	583.607	583.62	0.013	0.000169
3622	505656.9	7246282	595.527	595.54	0.013	0.000169
3206	505380.4	7246345	595.677	595.69	0.013	0.000169
4067	501366.2	7247734	602.347	602.36	0.013	0.000169
2743	501067.6	7247854	602.487	602.5	0.013	0.000169
4093	501171.5	7247866	602.897	602.91	0.013	0.000169
2230	495898.4	7249414	504.966	504.98	0.014	0.000196
2118	496799.9	7249666	520.106	520.12	0.014	0.000196
2500	498374.2	7249106	533.256	533.27	0.014	0.000196
1959	498430.3	7249068	534.076	534.09	0.014	0.000196
2592	499385.3	7248525	542.376	542.39	0.014	0.000196
4229	499601.1	7248396	550.866	550.88	0.014	0.000196
1414	503659.2	7246315	572.486	572.5	0.014	0.000196
1406	503740.2	7246315	572.556	572.57	0.014	0.000196
1425	503550.8	7246359	574.196	574.21	0.014	0.000196
3085	504255.7	7246274	574.706	574.72	0.014	0.000196
3103	504462.3	7246284	577.336	577.35	0.014	0.000196
3147	504764	7246584	577.366	577.38	0.014	0.000196
2954	502893.9	7246630	579.976	579.99	0.014	0.000196
1488	502847.8	7246645	580.116	580.13	0.014	0.000196
2958	502944	7246615	580.156	580.17	0.014	0.000196
1557	502065.1	7246896	580.686	580.7	0.014	0.000196
3969	501970.8	7246928	580.876	580.89	0.014	0.000196
2874	501870.6	7246970	582.476	582.49	0.014	0.000196
2854	501689	7247075	587.506	587.52	0.014	0.000196
2709	500655	7247839	587.646	587.66	0.014	0.000196
1221	505487.9	7246318	595.366	595.38	0.014	0.000196
1653	501321	7247540	599.446	599.46	0.014	0.000196
4072	501368.3	7247784	600.966	600.98	0.014	0.000196
4105	501005.2	7247847	601.286	601.3	0.014	0.000196
4063	501356.2	7247689	602.146	602.16	0.014	0.000196
1673	501366.6	7247736	602.356	602.37	0.014	0.000196
4551	496262.4	7249671	507.465	507.48	0.015	0.000225
4351	498372.6	7249107	533.265	533.28	0.015	0.000225

1872	499318.6	7248577	543.595	543.61	0.015	0.000225
1874	499299.9	7248592	544.025	544.04	0.015	0.000225
1916	498901.1	7248884	544.175	544.19	0.015	0.000225
1855	499486.6	7248457	544.905	544.92	0.015	0.000225
4280	499098.6	7248758	548.035	548.05	0.015	0.000225
4200	499951.8	7248288	568.735	568.75	0.015	0.000225
2640	499955.5	7248287	568.875	568.89	0.015	0.000225
3814	503875.3	7246399	570.025	570.04	0.015	0.000225
3820	503831.9	7246356	571.455	571.47	0.015	0.000225
1405	503753.3	7246318	572.565	572.58	0.015	0.000225
1789	500259.4	7248194	574.085	574.1	0.015	0.000225
3084	504244.1	7246275	574.505	574.52	0.015	0.000225
3851	503507.5	7246384	574.955	574.97	0.015	0.000225
3868	503302.8	7246492	575.455	575.47	0.015	0.000225
3707	504755.7	7246583	577.125	577.14	0.015	0.000225
3884	503090.4	7246568	578.235	578.25	0.015	0.000225
2901	502183.1	7246858	579.945	579.96	0.015	0.000225
1487	502860	7246641	580.135	580.15	0.015	0.000225
1528	502389	7246792	581.365	581.38	0.015	0.000225
2931	502582.1	7246731	584.025	584.04	0.015	0.000225
3635	505477.6	7246321	595.345	595.36	0.015	0.000225
2798	501321.3	7247541	599.455	599.47	0.015	0.000225
4052	501325.2	7247561	600.205	600.22	0.015	0.000225
3597	505987.5	7246254	600.925	600.94	0.015	0.000225
4611	495891.8	7249420	505.124	505.14	0.016	0.000256
4254	499323.2	7248573	543.534	543.55	0.016	0.000256
2582	499282.7	7248607	544.184	544.2	0.016	0.000256
2628	499809.3	7248322	562.104	562.12	0.016	0.000256
4194	500031.8	7248270	571.834	571.85	0.016	0.000256
3007	503548.3	7246361	574.254	574.27	0.016	0.000256
3861	503389.1	7246449	574.504	574.52	0.016	0.000256
3858	503425.6	7246431	575.214	575.23	0.016	0.000256
3784	504065.3	7246351	575.444	575.46	0.016	0.000256
1456	503217.8	7246526	576.644	576.66	0.016	0.000256
2973	503133.6	7246554	577.714	577.73	0.016	0.000256
1467	503092	7246568	578.214	578.23	0.016	0.000256
1491	502811.4	7246657	580.144	580.16	0.016	0.000256

1496	502750.5	7246677	580.534	580.55	0.016	0.000256
3933	502435.1	7246778	581.584	581.6	0.016	0.000256
1507	502620.7	7246719	584.534	584.55	0.016	0.000256
2933	502619	7246719	584.534	584.55	0.016	0.000256
2858	501727.7	7247050	586.244	586.26	0.016	0.000256
3163	504885.3	7246491	587.294	587.31	0.016	0.000256
4126	500721.5	7247827	590.334	590.35	0.016	0.000256
3623	505643.1	7246283	595.384	595.4	0.016	0.000256
3614	505766.3	7246291	597.644	597.66	0.016	0.000256
3244	505863.2	7246295	597.744	597.76	0.016	0.000256
3611	505807.2	7246296	598.184	598.2	0.016	0.000256
4103	501033	7247850	601.844	601.86	0.016	0.000256
2209	495952	7249619	505.853	505.87	0.017	0.000289
1961	498410.4	7249082	533.683	533.7	0.017	0.000289
1954	498479.3	7249037	534.243	534.26	0.017	0.000289
1938	498647.4	7248960	537.003	537.02	0.017	0.000289
4248	499386.1	7248524	542.363	542.38	0.017	0.000289
1850	499537.6	7248428	546.983	547	0.017	0.000289
1831	499753.7	7248338	560.153	560.17	0.017	0.000289
2643	499993.9	7248278	570.173	570.19	0.017	0.000289
2645	500020.1	7248272	571.243	571.26	0.017	0.000289
3834	503693.7	7246312	572.483	572.5	0.017	0.000289
1788	500269.3	7248187	574.173	574.19	0.017	0.000289
1786	500288.1	7248171	575.103	575.12	0.017	0.000289
1331	504384.4	7246269	575.263	575.28	0.017	0.000289
3097	504394	7246270	575.483	575.5	0.017	0.000289
2983	503270.7	7246506	575.693	575.71	0.017	0.000289
2975	503158.7	7246546	577.433	577.45	0.017	0.000289
4167	500328.7	7248125	577.943	577.96	0.017	0.000289
2908	502295.9	7246823	579.283	579.3	0.017	0.000289
1559	502043.1	7246903	580.653	580.67	0.017	0.000289
1558	502054.1	7246900	580.683	580.7	0.017	0.000289
1586	501774.1	7247022	584.823	584.84	0.017	0.000289
2703	500588.4	7247863	584.973	584.99	0.017	0.000289
1589	501747.3	7247038	585.683	585.7	0.017	0.000289
3999	501691.2	7247073	587.473	587.49	0.017	0.000289
1211	505615.3	7246287	595.143	595.16	0.017	0.000289

3632	505518.6	7246310	595.143	595.16	0.017	0.000289
3242	505838.3	7246297	597.793	597.81	0.017	0.000289
4106	500991.3	7247845	600.933	600.95	0.017	0.000289
2754	501188.2	7247868	602.623	602.64	0.017	0.000289
2744	501079.8	7247856	602.633	602.65	0.017	0.000289
2761	501252.9	7247875	602.643	602.66	0.017	0.000289
2179	496209.4	7249670	507.142	507.16	0.018	0.000324
2120	496779.2	7249675	519.692	519.71	0.018	0.000324
4226	499636.1	7248380	553.202	553.22	0.018	0.000324
4199	499965.2	7248285	569.232	569.25	0.018	0.000324
1408	503716.6	7246312	572.562	572.58	0.018	0.000324
3832	503712.5	7246312	572.562	572.58	0.018	0.000324
3076	504146.1	7246293	573.972	573.99	0.018	0.000324
3769	504218.8	7246277	574.072	574.09	0.018	0.000324
1342	504253.5	7246275	574.642	574.66	0.018	0.000324
1363	504051.7	7246368	575.152	575.17	0.018	0.000324
2987	503318.5	7246484	575.242	575.26	0.018	0.000324
3065	504059.2	7246358	575.362	575.38	0.018	0.000324
3873	503239.2	7246518	576.462	576.48	0.018	0.000324
3874	503226.2	7246523	576.562	576.58	0.018	0.000324
1458	503194.8	7246534	576.962	576.98	0.018	0.000324
3127	504633.5	7246468	577.262	577.28	0.018	0.000324
3733	504599.9	7246398	577.832	577.85	0.018	0.000324
3891	502992.5	7246599	579.802	579.82	0.018	0.000324
1564	501988.1	7246921	580.632	580.65	0.018	0.000324
2882	501942.1	7246939	581.342	581.36	0.018	0.000324
1517	502505.8	7246755	582.212	582.23	0.018	0.000324
3927	502516	7246752	582.422	582.44	0.018	0.000324
1744	500628.3	7247847	586.622	586.64	0.018	0.000324
3643	505371.3	7246347	595.592	595.61	0.018	0.000324
3619	505698	7246283	596.352	596.37	0.018	0.000324
3239	505800.5	7246295	598.232	598.25	0.018	0.000324
2771	501335.3	7247840	598.702	598.72	0.018	0.000324
1713	501013.2	7247848	601.442	601.46	0.018	0.000324
2786	501355.8	7247687	602.152	602.17	0.018	0.000324
1667	501353.4	7247678	602.192	602.21	0.018	0.000324
4345	498436.5	7249064	534.191	534.21	0.019	0.000361

1973	498283.9	7249169	535.631	535.65	0.019	0.000361
4245	499419	7248501	542.241	542.26	0.019	0.000361
2596	499428.4	7248494	542.391	542.41	0.019	0.000361
4244	499430.2	7248493	542.421	542.44	0.019	0.000361
2606	499544.3	7248424	547.251	547.27	0.019	0.000361
1839	499657.8	7248371	554.341	554.36	0.019	0.000361
1811	500004	7248276	570.521	570.54	0.019	0.000361
2644	500007	7248275	570.621	570.64	0.019	0.000361
3837	503662.8	7246315	572.471	572.49	0.019	0.000361
3844	503585.8	7246340	573.391	573.41	0.019	0.000361
3789	504037.7	7246392	573.941	573.96	0.019	0.000361
4172	500286.9	7248172	575.051	575.07	0.019	0.000361
3867	503315.3	7246486	575.291	575.31	0.019	0.000361
1454	503240.1	7246518	576.431	576.45	0.019	0.000361
3750	504448.1	7246280	576.921	576.94	0.019	0.000361
3106	504491.4	7246296	578.271	578.29	0.019	0.000361
3745	504501.4	7246302	578.421	578.44	0.019	0.000361
3944	502292.5	7246824	579.231	579.25	0.019	0.000361
2938	502683.8	7246699	583.101	583.12	0.019	0.000361
4128	500695.9	7247830	589.081	589.1	0.019	0.000361
3665	505118.1	7246411	593.301	593.32	0.019	0.000361
4039	501324.6	7247407	594.911	594.93	0.019	0.000361
3609	505834.8	7246297	597.781	597.8	0.019	0.000361
4076	501351.8	7247822	598.991	599.01	0.019	0.000361
2514	498536.1	7249005	535.73	535.75	0.02	0.0004
4369	498176.2	7249243	540.22	540.24	0.02	0.0004
4209	499836.5	7248315	562.96	562.98	0.02	0.0004
2631	499847.5	7248312	563.53	563.55	0.02	0.0004
3823	503803.9	7246339	572.36	572.38	0.02	0.0004
3028	503787.1	7246330	572.58	572.6	0.02	0.0004
1365	504042.3	7246383	574.46	574.48	0.02	0.0004
3781	504088.9	7246329	575.24	575.26	0.02	0.0004
1329	504407.3	7246271	575.83	575.85	0.02	0.0004
2976	503171.4	7246542	577.18	577.2	0.02	0.0004
3129	504641	7246486	577.45	577.47	0.02	0.0004
2930	502569.9	7246735	583.93	583.95	0.02	0.0004
1504	502654.7	7246708	584.14	584.16	0.02	0.0004

3920	502605	7246724	584.33	584.35	0.02	0.0004
1219	505513.1	7246311	595.21	595.23	0.02	0.0004
2734	500953.1	7247841	599.93	599.95	0.02	0.0004
4071	501369.8	7247774	601.57	601.59	0.02	0.0004
4558	496192.9	7249665	506.999	507.02	0.021	0.000441
4358	498296.9	7249160	535.089	535.11	0.021	0.000441
2529	498711.2	7248942	536.719	536.74	0.021	0.000441
1975	498262.5	7249184	536.759	536.78	0.021	0.000441
1857	499466.6	7248469	543.969	543.99	0.021	0.000441
4227	499624.6	7248385	552.589	552.61	0.021	0.000441
1814	499964	7248285	569.189	569.21	0.021	0.000441
1398	503817.4	7246346	571.989	572.01	0.021	0.000441
1407	503724.9	7246313	572.559	572.58	0.021	0.000441
3862	503376.8	7246456	574.559	574.58	0.021	0.000441
3092	504336.2	7246270	575.209	575.23	0.021	0.000441
1330	504395.9	7246270	575.519	575.54	0.021	0.000441
1451	503272.8	7246505	575.669	575.69	0.021	0.000441
2981	503246.2	7246516	576.239	576.26	0.021	0.000441
3730	504615.9	7246426	577.649	577.67	0.021	0.000441
2706	500621.2	7247850	586.339	586.36	0.021	0.000441
1205	505692.6	7246283	596.279	596.3	0.021	0.000441
1685	501336.4	7247840	598.729	598.75	0.021	0.000441
1712	501026.3	7247849	601.719	601.74	0.021	0.000441
1668	501355.8	7247688	602.149	602.17	0.021	0.000441
1709	501065.8	7247854	602.459	602.48	0.021	0.000441
2055	497437.7	7249435	526.918	526.94	0.022	0.000484
2516	498558.4	7248995	536.568	536.59	0.022	0.000484
1863	499405	7248510	541.998	542.02	0.022	0.000484
1866	499375.7	7248532	542.528	542.55	0.022	0.000484
4216	499753.4	7248338	560.138	560.16	0.022	0.000484
1823	499847	7248312	563.518	563.54	0.022	0.000484
3821	503823	7246350	571.778	571.8	0.022	0.000484
2648	500059	7248264	573.108	573.13	0.022	0.000484
1345	504217.7	7246277	574.048	574.07	0.022	0.000484
3083	504232.7	7246276	574.328	574.35	0.022	0.000484
3072	504108.7	7246314	574.838	574.86	0.022	0.000484
3855	503460.7	7246411	575.358	575.38	0.022	0.000484

2659	500192.9	7248231	575.588	575.61	0.022	0.000484
1799	500152.9	7248243	575.628	575.65	0.022	0.000484
3871	503264.8	7246508	575.788	575.81	0.022	0.000484
1782	500320	7248137	577.398	577.42	0.022	0.000484
3705	504771.9	7246585	577.558	577.58	0.022	0.000484
3903	502829.5	7246651	580.168	580.19	0.022	0.000484
1768	500405.7	7248009	580.528	580.55	0.022	0.000484
3968	501983.3	7246923	580.638	580.66	0.022	0.000484
2919	502431	7246779	581.538	581.56	0.022	0.000484
2939	502697.3	7246694	582.558	582.58	0.022	0.000484
2937	502670.3	7246703	583.528	583.55	0.022	0.000484
1503	502666.3	7246704	583.668	583.69	0.022	0.000484
3184	505103.4	7246414	593.188	593.21	0.022	0.000484
2738	501004.5	7247847	601.268	601.29	0.022	0.000484
1698	501202.8	7247870	602.458	602.48	0.022	0.000484
2086	497143.7	7249599	525.777	525.8	0.023	0.000529
2510	498490.2	7249030	534.237	534.26	0.023	0.000529
4344	498446.9	7249058	534.277	534.3	0.023	0.000529
1984	498166.3	7249249	540.497	540.52	0.023	0.000529
4241	499464	7248471	543.887	543.91	0.023	0.000529
1876	499281.1	7248608	544.187	544.21	0.023	0.000529
4206	499873.7	7248306	564.877	564.9	0.023	0.000529
2635	499894.8	7248300	566.017	566.04	0.023	0.000529
1813	499977.3	7248282	569.567	569.59	0.023	0.000529
3038	503863.5	7246384	570.047	570.07	0.023	0.000529
1410	503698.7	7246312	572.507	572.53	0.023	0.000529
3863	503364.6	7246462	574.757	574.78	0.023	0.000529
2989	503342.3	7246473	574.977	575	0.023	0.000529
1337	504314.1	7246271	575.117	575.14	0.023	0.000529
1338	504302	7246272	575.127	575.15	0.023	0.000529
3126	504629.6	7246459	577.207	577.23	0.023	0.000529
3706	504763.5	7246584	577.347	577.37	0.023	0.000529
3883	503104.3	7246564	578.107	578.13	0.023	0.000529
1591	501728.4	7247049	586.217	586.24	0.023	0.000529
1232	505349.5	7246353	595.437	595.46	0.023	0.000529
2794	501331.9	7247590	601.177	601.2	0.023	0.000529
2751	501158.3	7247865	602.897	602.92	0.023	0.000529

4587	495925.1	7249605	505.896	505.92	0.024	0.000576
2060	497393.7	7249474	528.326	528.35	0.024	0.000576
4346	498426	7249071	534.006	534.03	0.024	0.000576
2603	499508.5	7248444	545.886	545.91	0.024	0.000576
1888	499169.1	7248700	547.486	547.51	0.024	0.000576
1846	499580.7	7248406	549.266	549.29	0.024	0.000576
1842	499624.2	7248386	552.556	552.58	0.024	0.000576
3064	504053.8	7246365	575.246	575.27	0.024	0.000576
1801	500129.9	7248249	575.266	575.29	0.024	0.000576
1463	503136.4	7246553	577.686	577.71	0.024	0.000576
1497	502738.3	7246681	580.836	580.86	0.024	0.000576
3620	505684.3	7246282	596.106	596.13	0.024	0.000576
2758	501226.6	7247873	602.476	602.5	0.024	0.000576
2760	501244.4	7247875	602.576	602.6	0.024	0.000576
2752	501168.4	7247866	602.906	602.93	0.024	0.000576
1958	498440.1	7249062	534.225	534.25	0.025	0.000625
4247	499396.9	7248516	542.165	542.19	0.025	0.000625
2590	499364.7	7248540	542.815	542.84	0.025	0.000625
2583	499293.1	7248598	544.025	544.05	0.025	0.000625
4238	499497.8	7248450	545.295	545.32	0.025	0.000625
3040	503875.1	7246398	570.025	570.05	0.025	0.000625
3813	503881.1	7246406	570.025	570.05	0.025	0.000625
3819	503840.2	7246363	571.105	571.13	0.025	0.000625
3822	503813.6	7246344	572.095	572.12	0.025	0.000625
1421	503589.9	7246338	573.285	573.31	0.025	0.000625
1440	503393.2	7246447	574.535	574.56	0.025	0.000625
3094	504359.2	7246269	575.135	575.16	0.025	0.000625
1361	504063.2	7246353	575.435	575.46	0.025	0.000625
1798	500164.2	7248240	575.835	575.86	0.025	0.000625
2980	503233.9	7246520	576.495	576.52	0.025	0.000625
3726	504631.4	7246463	577.195	577.22	0.025	0.000625
3905	502802.1	7246660	580.025	580.05	0.025	0.000625
3909	502746.2	7246679	580.635	580.66	0.025	0.000625
1757	500493.2	7247919	581.905	581.93	0.025	0.000625
1508	502609.4	7246722	584.375	584.4	0.025	0.000625
2934	502631.5	7246715	584.515	584.54	0.025	0.000625
1222	505475.3	7246321	595.345	595.37	0.025	0.000625

3639	505424.1	7246334	595.555	595.58	0.025	0.000625
3608	505848.7	7246297	597.845	597.87	0.025	0.000625
1715	500986.9	7247845	600.835	600.86	0.025	0.000625
2787	501352.7	7247674	602.235	602.26	0.025	0.000625
4597	495876.3	7249536	505.274	505.3	0.026	0.000676
1979	498219.7	7249213	538.494	538.52	0.026	0.000676
2586	499324.1	7248572	543.534	543.56	0.026	0.000676
1884	499206	7248669	546.504	546.53	0.026	0.000676
2614	499638.2	7248379	553.314	553.34	0.026	0.000676
1819	499897.3	7248300	566.114	566.14	0.026	0.000676
1810	500017.4	7248273	571.094	571.12	0.026	0.000676
3012	503606.2	7246330	572.934	572.96	0.026	0.000676
1420	503599.5	7246333	573.044	573.07	0.026	0.000676
4186	500131.9	7248248	575.314	575.34	0.026	0.000676
3875	503213.1	7246528	576.754	576.78	0.026	0.000676
2974	503146.1	7246550	577.634	577.66	0.026	0.000676
3107	504500.5	7246301	578.424	578.45	0.026	0.000676
2876	501886.2	7246963	582.324	582.35	0.026	0.000676
2867	501807.2	7247003	583.894	583.92	0.026	0.000676
1192	505856.5	7246296	597.774	597.8	0.026	0.000676
4064	501358.9	7247701	602.174	602.2	0.026	0.000676
4603	495866.5	7249482	505.323	505.35	0.027	0.000729
2132	496654.1	7249693	517.623	517.65	0.027	0.000729
1865	499385.4	7248525	542.363	542.39	0.027	0.000729
1867	499366.1	7248539	542.793	542.82	0.027	0.000729
2642	499980.9	7248281	569.683	569.71	0.027	0.000729
2646	500033.2	7248270	571.883	571.91	0.027	0.000729
2978	503209.2	7246529	576.763	576.79	0.027	0.000729
1460	503171.3	7246542	577.183	577.21	0.027	0.000729
3881	503132.1	7246555	577.723	577.75	0.027	0.000729
2879	501912.7	7246952	581.903	581.93	0.027	0.000729
3915	502666	7246704	583.683	583.71	0.027	0.000729
2855	501698.5	7247069	587.293	587.32	0.027	0.000729
4014	501528.2	7247177	588.653	588.68	0.027	0.000729
2781	501368.3	7247746	602.323	602.35	0.027	0.000729
2759	501235.6	7247874	602.503	602.53	0.027	0.000729
4096	501131.3	7247862	602.873	602.9	0.027	0.000729

2386	497147.1	7249598	525.762	525.79	0.028	0.000784
2496	498328.3	7249138	534.192	534.22	0.028	0.000784
2602	499496.6	7248450	545.252	545.28	0.028	0.000784
4269	499181.9	7248689	547.172	547.2	0.028	0.000784
1375	503980.3	7246457	566.852	566.88	0.028	0.000784
3032	503819.2	7246348	571.922	571.95	0.028	0.000784
3835	503683.8	7246312	572.452	572.48	0.028	0.000784
3088	504290.7	7246272	575.102	575.13	0.028	0.000784
1336	504326.1	7246270	575.142	575.17	0.028	0.000784
3756	504377.7	7246269	575.172	575.2	0.028	0.000784
3000	503468.6	7246407	575.342	575.37	0.028	0.000784
3876	503199.9	7246532	576.882	576.91	0.028	0.000784
3951	502200.4	7246853	579.512	579.54	0.028	0.000784
2900	502171.1	7246862	580.052	580.08	0.028	0.000784
2892	502064.2	7246896	580.702	580.73	0.028	0.000784
2921	502456.5	7246771	581.782	581.81	0.028	0.000784
3974	501911.9	7246952	581.912	581.94	0.028	0.000784
4141	500540.5	7247887	583.432	583.46	0.028	0.000784
2755	501197.9	7247870	602.482	602.51	0.028	0.000784
2253	495899.7	7249413	504.951	504.98	0.029	0.000841
4340	498488.8	7249031	534.231	534.26	0.029	0.000841
2594	499406.5	7248509	541.991	542.02	0.029	0.000841
2598	499450.5	7248479	543.241	543.27	0.029	0.000841
2626	499784.2	7248329	561.421	561.45	0.029	0.000841
3080	504198.8	7246279	573.841	573.87	0.029	0.000841
1346	504205.9	7246278	573.901	573.93	0.029	0.000841
1427	503530.3	7246371	574.611	574.64	0.029	0.000841
3849	503530.4	7246371	574.611	574.64	0.029	0.000841
3001	503480	7246400	575.281	575.31	0.029	0.000841
2969	503082.3	7246570	578.421	578.45	0.029	0.000841
3949	502226.4	7246844	579.031	579.06	0.029	0.000841
1545	502201.2	7246852	579.491	579.52	0.029	0.000841
3625	505615.4	7246287	595.131	595.16	0.029	0.000841
1228	505400.4	7246340	595.491	595.52	0.029	0.000841
1194	505831.1	7246297	597.811	597.84	0.029	0.000841
4233	499554.6	7248419	547.72	547.75	0.03	0.0009
4228	499612.9	7248391	551.72	551.75	0.03	0.0009

4220	499706.1	7248353	557.17	557.2	0.03	0.0009
3815	503869.1	7246391	570.01	570.04	0.03	0.0009
3030	503802.7	7246338	572.4	572.43	0.03	0.0009
3771	504194.1	7246280	573.77	573.8	0.03	0.0009
3009	503571.4	7246348	573.8	573.83	0.03	0.0009
1437	503425.3	7246431	575.19	575.22	0.03	0.0009
1324	504462.2	7246284	577.33	577.36	0.03	0.0009
3132	504652.2	7246510	577.56	577.59	0.03	0.0009
1462	503147.8	7246550	577.61	577.64	0.03	0.0009
1304	504617	7246427	577.64	577.67	0.03	0.0009
2673	500330.6	7248123	578.05	578.08	0.03	0.0009
1540	502260.7	7246834	578.71	578.74	0.03	0.0009
1610	501534.1	7247173	588.58	588.61	0.03	0.0009
4079	501329.1	7247846	598.79	598.82	0.03	0.0009
2785	501358.6	7247699	602.18	602.21	0.03	0.0009
2757	501217.2	7247872	602.43	602.46	0.03	0.0009
4088	501233.9	7247874	602.5	602.53	0.03	0.0009
2746	501103.6	7247858	602.8	602.83	0.03	0.0009
2595	499417.3	7248502	542.189	542.22	0.031	0.000961
3796	504004.2	7246442	568.199	568.23	0.031	0.000961
1389	503881.6	7246407	570.019	570.05	0.031	0.000961
3068	504077.8	7246338	575.389	575.42	0.031	0.000961
1435	503445.7	7246420	575.449	575.48	0.031	0.000961
3879	503159.4	7246546	577.409	577.44	0.031	0.000961
1468	503081.2	7246571	578.439	578.47	0.031	0.000961
3908	502760.2	7246674	580.309	580.34	0.031	0.000961
3910	502732.3	7246683	581.019	581.05	0.031	0.000961
1519	502483.2	7246762	581.959	581.99	0.031	0.000961
2846	501611.5	7247124	588.049	588.08	0.031	0.000961
3669	505073.9	7246422	593.009	593.04	0.031	0.000961
3607	505862.6	7246296	597.729	597.76	0.031	0.000961
4109	500949.8	7247841	599.869	599.9	0.031	0.000961
1404	503765.9	7246322	572.608	572.64	0.032	0.001024
3763	504292.9	7246272	575.108	575.14	0.032	0.001024
3122	504612.7	7246419	577.688	577.72	0.032	0.001024
2881	501932	7246943	581.558	581.59	0.032	0.001024
4134	500621.6	7247850	586.348	586.38	0.032	0.001024

1739	500684.2	7247832	588.618	588.65	0.032	0.001024
3634	505491.2	7246317	595.348	595.38	0.032	0.001024
1717	500960.7	7247842	600.058	600.09	0.032	0.001024
1669	501358.1	7247698	602.168	602.2	0.032	0.001024
2197	496061.7	7249618	506.667	506.7	0.033	0.001089
4250	499364.8	7248540	542.827	542.86	0.033	0.001089
1351	504149.8	7246292	573.917	573.95	0.033	0.001089
3767	504243.8	7246275	574.477	574.51	0.033	0.001089
3131	504648.4	7246503	577.557	577.59	0.033	0.001089
3946	502266.1	7246832	578.747	578.78	0.033	0.001089
2944	502765.7	7246672	580.187	580.22	0.033	0.001089
2942	502738.4	7246681	580.827	580.86	0.033	0.001089
1572	501909.4	7246953	581.927	581.96	0.033	0.001089
1217	505538.5	7246305	594.927	594.96	0.033	0.001089
4091	501197.2	7247869	602.467	602.5	0.033	0.001089
4608	495876.3	7249440	505.636	505.67	0.034	0.001156
4257	499293.1	7248598	544.016	544.05	0.034	0.001156
3799	503983.7	7246456	566.846	566.88	0.034	0.001156
1390	503875.9	7246400	570.016	570.05	0.034	0.001156
3041	503880.5	7246405	570.016	570.05	0.034	0.001156
1809	500030.6	7248270	571.776	571.81	0.034	0.001156
3024	503750.8	7246317	572.586	572.62	0.034	0.001156
2649	500071.8	7248261	573.666	573.7	0.034	0.001156
3766	504256.2	7246274	574.706	574.74	0.034	0.001156
3764	504280.8	7246273	575.026	575.06	0.034	0.001156
1335	504337.9	7246270	575.206	575.24	0.034	0.001156
3782	504080.5	7246336	575.356	575.39	0.034	0.001156
2998	503446	7246419	575.446	575.48	0.034	0.001156
1579	501839	7246986	583.126	583.16	0.034	0.001156
4129	500683.2	7247833	588.576	588.61	0.034	0.001156
3213	505469.5	7246322	595.336	595.37	0.034	0.001156
2779	501369.9	7247767	601.856	601.89	0.034	0.001156
4098	501103.7	7247858	602.806	602.84	0.034	0.001156
4596	495879	7249544	505.365	505.4	0.035	0.001225
4541	496361.7	7249635	508.705	508.74	0.035	0.001225
1966	498358.3	7249117	533.485	533.52	0.035	0.001225
4246	499407.8	7248508	541.985	542.02	0.035	0.001225

1860	499435.6	7248489	542.625	542.66	0.035	0.001225
1853	499506.7	7248445	545.785	545.82	0.035	0.001225
1841	499635.1	7248381	553.135	553.17	0.035	0.001225
2638	499930.9	7248292	567.805	567.84	0.035	0.001225
3035	503843.1	7246365	570.995	571.03	0.035	0.001225
1397	503826.1	7246352	571.675	571.71	0.035	0.001225
3836	503673.4	7246313	572.425	572.46	0.035	0.001225
1411	503689.3	7246312	572.465	572.5	0.035	0.001225
3831	503721.1	7246312	572.565	572.6	0.035	0.001225
3081	504210	7246277	573.965	574	0.035	0.001225
3857	503437.4	7246424	575.425	575.46	0.035	0.001225
3754	504401.7	7246270	575.675	575.71	0.035	0.001225
1298	504640.3	7246484	577.405	577.44	0.035	0.001225
3886	503062.3	7246577	578.665	578.7	0.035	0.001225
2963	503005.1	7246595	579.595	579.63	0.035	0.001225
3952	502187.8	7246857	579.805	579.84	0.035	0.001225
2678	500365.3	7248070	579.845	579.88	0.035	0.001225
1485	502884.7	7246634	580.025	580.06	0.035	0.001225
1498	502726.1	7246685	581.205	581.24	0.035	0.001225
4094	501158.3	7247865	602.885	602.92	0.035	0.001225
1981	498197.8	7249228	539.424	539.46	0.036	0.001296
2607	499556.1	7248418	547.784	547.82	0.036	0.001296
1838	499669.6	7248366	555.064	555.1	0.036	0.001296
1835	499705.5	7248353	557.124	557.16	0.036	0.001296
2621	499723.2	7248347	558.294	558.33	0.036	0.001296
3039	503869.5	7246391	570.004	570.04	0.036	0.001296
4191	500070.4	7248262	573.614	573.65	0.036	0.001296
3772	504182.1	7246282	573.694	573.73	0.036	0.001296
3003	503502.7	7246387	575.004	575.04	0.036	0.001296
1430	503498.6	7246389	575.044	575.08	0.036	0.001296
3142	504725.4	7246574	575.754	575.79	0.036	0.001296
3709	504729.5	7246576	575.964	576	0.036	0.001296
1541	502248.8	7246837	578.814	578.85	0.036	0.001296
1483	502909.3	7246626	579.854	579.89	0.036	0.001296
4070	501370.1	7247765	601.954	601.99	0.036	0.001296
4092	501184.4	7247868	602.714	602.75	0.036	0.001296
2749	501137.2	7247862	602.864	602.9	0.036	0.001296

2619	499698.9	7248355	556.703	556.74	0.037	0.001369
1377	503964	7246461	567.443	567.48	0.037	0.001369
1412	503679.5	7246312	572.443	572.48	0.037	0.001369
1409	503707.9	7246312	572.553	572.59	0.037	0.001369
1806	500069.5	7248262	573.583	573.62	0.037	0.001369
4173	500276.9	7248181	574.493	574.53	0.037	0.001369
2667	500278.4	7248179	574.573	574.61	0.037	0.001369
2995	503412.2	7246438	574.943	574.98	0.037	0.001369
1340	504277.8	7246273	574.983	575.02	0.037	0.001369
3878	503173	7246541	577.153	577.19	0.037	0.001369
3880	503145.8	7246550	577.643	577.68	0.037	0.001369
2970	503095.4	7246566	578.183	578.22	0.037	0.001369
1479	502957.2	7246611	580.043	580.08	0.037	0.001369
3645	505344.4	7246354	595.373	595.41	0.037	0.001369
1226	505425.3	7246334	595.513	595.55	0.037	0.001369
4101	501061.2	7247853	602.383	602.42	0.037	0.001369
4089	501222	7247872	602.433	602.47	0.037	0.001369
1965	498368.9	7249110	533.302	533.34	0.038	0.001444
4236	499520.4	7248437	546.392	546.43	0.038	0.001444
4234	499543.1	7248425	547.202	547.24	0.038	0.001444
1890	499150.8	7248714	547.852	547.89	0.038	0.001444
4225	499647.8	7248375	553.802	553.84	0.038	0.001444
4218	499729.9	7248345	558.782	558.82	0.038	0.001444
1341	504265.7	7246274	574.852	574.89	0.038	0.001444
3086	504267.3	7246274	574.892	574.93	0.038	0.001444
1457	503206.3	7246530	576.782	576.82	0.038	0.001444
1286	504744.7	7246581	576.802	576.84	0.038	0.001444
1486	502872.4	7246637	580.092	580.13	0.038	0.001444
1574	501886.4	7246963	582.302	582.34	0.038	0.001444
3914	502678.7	7246700	583.232	583.27	0.038	0.001444
4137	500585.7	7247864	584.882	584.92	0.038	0.001444
4367	498198.1	7249228	539.421	539.46	0.039	0.001521
2569	499145.5	7248719	547.831	547.87	0.039	0.001521
2617	499674.5	7248364	555.381	555.42	0.039	0.001521
3816	503862.6	7246384	570.041	570.08	0.039	0.001521
3830	503729.2	7246313	572.541	572.58	0.039	0.001521
3773	504170.3	7246285	573.771	573.81	0.039	0.001521

1350	504160.7	7246288	573.841	573.88	0.039	0.001521
3008	503559.9	7246354	574.041	574.08	0.039	0.001521
1443	503360.5	7246464	574.821	574.86	0.039	0.001521
1339	504289.9	7246272	575.081	575.12	0.039	0.001521
3761	504316.8	7246271	575.111	575.15	0.039	0.001521
1431	503487.8	7246396	575.181	575.22	0.039	0.001521
1436	503435.6	7246425	575.391	575.43	0.039	0.001521
3719	504658.5	7246522	577.581	577.62	0.039	0.001521
4166	500335.7	7248115	578.361	578.4	0.039	0.001521
1475	503003.5	7246596	579.601	579.64	0.039	0.001521
2923	502482.2	7246763	581.971	582.01	0.039	0.001521
1502	502678.1	7246700	583.241	583.28	0.039	0.001521
3918	502629.4	7246716	584.531	584.57	0.039	0.001521
4100	501075.4	7247855	602.581	602.62	0.039	0.001521
2748	501126.3	7247861	602.861	602.9	0.039	0.001521
3801	503968.5	7246460	567.19	567.23	0.04	0.0016
1396	503834.3	7246358	571.37	571.41	0.04	0.0016
3022	503732.5	7246314	572.51	572.55	0.04	0.0016
3824	503794.1	7246334	572.51	572.55	0.04	0.0016
3827	503768.6	7246323	572.62	572.66	0.04	0.0016
3847	503552.8	7246358	574.16	574.2	0.04	0.0016
1447	503316.8	7246485	575.26	575.3	0.04	0.0016
1461	503159.5	7246546	577.4	577.44	0.04	0.0016
1542	502236.9	7246841	578.86	578.9	0.04	0.0016
2965	503030.6	7246587	579.25	579.29	0.04	0.0016
1494	502775	7246669	580.01	580.05	0.04	0.0016
1754	500521.8	7247899	582.81	582.85	0.04	0.0016
1680	501364.7	7247798	599.9	599.94	0.04	0.0016
2776	501364.6	7247798	599.9	599.94	0.04	0.0016
1968	498337.2	7249132	533.909	533.95	0.041	0.001681
1376	503972.2	7246460	566.959	567	0.041	0.001681
3005	503525.4	7246374	574.699	574.74	0.041	0.001681
3865	503340	7246474	574.989	575.03	0.041	0.001681
3866	503327.7	7246480	575.099	575.14	0.041	0.001681
3854	503472.5	7246404	575.339	575.38	0.041	0.001681
2999	503457.3	7246413	575.379	575.42	0.041	0.001681
1612	501514.9	7247186	588.909	588.95	0.041	0.001681

2729	500891.8	7247833	598.099	598.14	0.041	0.001681
1886	499187.4	7248684	546.928	546.97	0.042	0.001764
2625	499771.9	7248332	560.958	561	0.042	0.001764
1400	503799.1	7246336	572.458	572.5	0.042	0.001764
3845	503574.9	7246346	573.708	573.75	0.042	0.001764
2982	503258.4	7246511	575.888	575.93	0.042	0.001764
1455	503229	7246522	576.538	576.58	0.042	0.001764
2979	503221.6	7246525	576.568	576.61	0.042	0.001764
1302	504624.2	7246444	577.478	577.52	0.042	0.001764
3133	504656.2	7246518	577.578	577.62	0.042	0.001764
1556	502076.1	7246892	580.628	580.67	0.042	0.001764
1758	500483.9	7247927	581.698	581.74	0.042	0.001764
3922	502580.3	7246732	584.028	584.07	0.042	0.001764
2835	501514.7	7247186	588.918	588.96	0.042	0.001764
1977	498241.3	7249199	537.677	537.72	0.043	0.001849
1864	499395.1	7248517	542.187	542.23	0.043	0.001849
1854	499496.6	7248451	545.237	545.28	0.043	0.001849
2610	499591.3	7248401	550.177	550.22	0.043	0.001849
1395	503842.1	7246364	571.047	571.09	0.043	0.001849
1432	503477	7246402	575.297	575.34	0.043	0.001849
3785	504058.6	7246359	575.337	575.38	0.043	0.001849
2860	501746.9	7247038	585.677	585.72	0.043	0.001849
1845	499591.5	7248400	550.186	550.23	0.044	0.001936
3026	503772.7	7246324	572.626	572.67	0.044	0.001936
2651	500097.4	7248256	574.516	574.56	0.044	0.001936
3004	503514	7246380	574.876	574.92	0.044	0.001936
1445	503338.7	7246475	574.986	575.03	0.044	0.001936
1446	503327.7	7246480	575.096	575.14	0.044	0.001936
3757	504365.6	7246269	575.096	575.14	0.044	0.001936
3760	504328.9	7246270	575.166	575.21	0.044	0.001936
3070	504092.5	7246326	575.176	575.22	0.044	0.001936
1433	503466.3	7246408	575.336	575.38	0.044	0.001936
1295	504660.3	7246525	577.566	577.61	0.044	0.001936
1543	502224.9	7246845	579.046	579.09	0.044	0.001936
2955	502906.6	7246626	579.906	579.95	0.044	0.001936
1843	499613.2	7248390	551.745	551.79	0.045	0.002025
1833	499730.1	7248345	558.785	558.83	0.045	0.002025

3053	503986.9	7246454	566.885	566.93	0.045	0.002025
1343	504241.5	7246275	574.435	574.48	0.045	0.002025
2990	503354.3	7246467	574.895	574.94	0.045	0.002025
1300	504633.9	7246469	577.255	577.3	0.045	0.002025
1470	503059.5	7246578	578.735	578.78	0.045	0.002025
3889	503020.3	7246590	579.375	579.42	0.045	0.002025
4078	501337.5	7247838	598.705	598.75	0.045	0.002025
1851	499527.1	7248434	546.614	546.66	0.046	0.002116
4273	499150.1	7248715	547.864	547.91	0.046	0.002116
2624	499759.7	7248336	560.434	560.48	0.046	0.002116
1391	503870	7246392	570.004	570.05	0.046	0.002116
1808	500043.8	7248267	572.334	572.38	0.046	0.002116
1424	503560.8	7246354	574.004	574.05	0.046	0.002116
3848	503541.7	7246365	574.394	574.44	0.046	0.002116
3907	502774.2	7246669	580.004	580.05	0.046	0.002116
3982	501840	7246985	583.104	583.15	0.046	0.002116
1714	501000	7247846	601.164	601.21	0.046	0.002116
1887	499178.2	7248692	547.273	547.32	0.047	0.002209
4271	499165.5	7248703	547.553	547.6	0.047	0.002209
1401	503789.8	7246331	572.543	572.59	0.047	0.002209
3077	504156.1	7246289	573.883	573.93	0.047	0.002209
1354	504118.9	7246307	574.563	574.61	0.047	0.002209
2991	503366	7246461	574.733	574.78	0.047	0.002209
3759	504341.1	7246269	575.203	575.25	0.047	0.002209
3067	504071.1	7246345	575.453	575.5	0.047	0.002209
3869	503290.2	7246497	575.513	575.56	0.047	0.002209
3887	503048.3	7246581	579.073	579.12	0.047	0.002209
4090	501209.8	7247871	602.433	602.48	0.047	0.002209
1827	499799.6	7248325	561.842	561.89	0.048	0.002304
1374	503988.2	7246453	566.882	566.93	0.048	0.002304
1392	503863.6	7246385	570.022	570.07	0.048	0.002304
2994	503400.8	7246444	574.672	574.72	0.048	0.002304
2988	503330.4	7246478	575.062	575.11	0.048	0.002304
3890	503006.3	7246595	579.592	579.64	0.048	0.002304
1546	502189.5	7246856	579.762	579.81	0.048	0.002304
1953	498489.5	7249031	534.221	534.27	0.049	0.002401
4230	499589.4	7248401	550.031	550.08	0.049	0.002401

1399	503808.3	7246341	572.251	572.3	0.049	0.002401
3010	503582.9	7246342	573.471	573.52	0.049	0.002401
1347	504194.4	7246280	573.761	573.81	0.049	0.002401
3074	504126.7	7246303	574.371	574.42	0.049	0.002401
3777	504126.4	7246303	574.371	574.42	0.049	0.002401
1450	503283.7	7246500	575.571	575.62	0.049	0.002401
2698	500537.7	7247889	583.291	583.34	0.049	0.002401
1861	499425.3	7248496	542.32	542.37	0.05	0.0025
2571	499165.4	7248703	547.55	547.6	0.05	0.0025
1840	499646.3	7248376	553.72	553.77	0.05	0.0025
4196	500005.3	7248276	570.56	570.61	0.05	0.0025
1426	503540.6	7246365	574.41	574.46	0.05	0.0025
3860	503401.4	7246443	574.69	574.74	0.05	0.0025
3069	504084.8	7246332	575.31	575.36	0.05	0.0025
1299	504637.1	7246477	577.31	577.36	0.05	0.0025
4073	501365.8	7247794	600.22	600.27	0.05	0.0025
3047	503911.6	7246443	569.879	569.93	0.051	0.002601
3853	503484.2	7246398	575.229	575.28	0.051	0.002601
3783	504072.6	7246344	575.429	575.48	0.051	0.002601
3728	504624.2	7246444	577.469	577.52	0.051	0.002601
1859	499446	7248482	543.058	543.11	0.052	0.002704
1852	499516.8	7248439	546.218	546.27	0.052	0.002704
4212	499799.8	7248325	561.848	561.9	0.052	0.002704
1422	503580.4	7246343	573.538	573.59	0.052	0.002704
1442	503371.4	7246458	574.648	574.7	0.052	0.002704
3002	503491.3	7246394	575.138	575.19	0.052	0.002704
1495	502762.7	7246673	580.248	580.3	0.052	0.002704
2612	499614.6	7248390	551.867	551.92	0.053	0.002809
1352	504139.1	7246296	574.097	574.15	0.053	0.002809
1787	500278.9	7248179	574.597	574.65	0.053	0.002809
3864	503352.3	7246468	574.907	574.96	0.053	0.002809
1360	504069.7	7246346	575.447	575.5	0.053	0.002809
1471	503048.5	7246581	579.067	579.12	0.053	0.002809
4617	495931	7249371	505.566	505.62	0.054	0.002916
2622	499735.3	7248343	559.096	559.15	0.054	0.002916
4213	499788.1	7248328	561.546	561.6	0.054	0.002916
2627	499796.6	7248325	561.756	561.81	0.054	0.002916

1388	503887.5	7246414	569.986	570.04	0.054	0.002916
4193	500044.8	7248267	572.386	572.44	0.054	0.002916
1423	503570.7	7246348	573.806	573.86	0.054	0.002916
1434	503455.9	7246414	575.376	575.43	0.054	0.002916
1321	504492.1	7246297	578.256	578.31	0.054	0.002916
3899	502883.5	7246634	580.046	580.1	0.054	0.002916
1229	505387.8	7246343	595.586	595.64	0.054	0.002916
4355	498329.3	7249137	534.165	534.22	0.055	0.003025
1869	499347.1	7248554	543.135	543.19	0.055	0.003025
3051	503961.6	7246461	567.535	567.59	0.055	0.003025
1444	503349.6	7246469	574.925	574.98	0.055	0.003025
2997	503434.8	7246426	575.385	575.44	0.055	0.003025
1359	504076.7	7246339	575.405	575.46	0.055	0.003025
3025	503758.3	7246319	572.544	572.6	0.056	0.003136
2992	503377.7	7246455	574.544	574.6	0.056	0.003136
3859	503413.6	7246437	574.964	575.02	0.056	0.003136
3095	504370.8	7246269	575.114	575.17	0.056	0.003136
1459	503183.1	7246538	576.964	577.02	0.056	0.003136
1466	503102.8	7246564	578.104	578.16	0.056	0.003136
1499	502714.1	7246689	581.754	581.81	0.056	0.003136
1828	499788.1	7248328	561.543	561.6	0.057	0.003249
3807	503916.3	7246448	569.833	569.89	0.057	0.003249
3078	504166.4	7246286	573.813	573.87	0.057	0.003249
1438	503414.8	7246436	574.983	575.04	0.057	0.003249
2964	503017.8	7246591	579.433	579.49	0.057	0.003249
4077	501345.2	7247830	598.863	598.92	0.057	0.003249
4240	499475.3	7248464	544.362	544.42	0.058	0.003364
3802	503953.5	7246462	567.882	567.94	0.058	0.003364
3810	503898.5	7246428	569.922	569.98	0.058	0.003364
1439	503404.1	7246442	574.742	574.8	0.058	0.003364
3765	504268.6	7246274	574.892	574.95	0.058	0.003364
3128	504637.2	7246477	577.322	577.38	0.058	0.003364
3843	503596.7	7246335	573.111	573.17	0.059	0.003481
1333	504361.2	7246269	575.111	575.17	0.059	0.003481
2984	503282.8	7246500	575.581	575.64	0.059	0.003481
3717	504667.7	7246535	577.411	577.47	0.059	0.003481
1403	503773.1	7246324	572.62	572.68	0.06	0.0036

1428	503519.8	7246377	574.76	574.82	0.06	0.0036
3877	503186.5	7246537	576.93	576.99	0.06	0.0036
1320	504501.7	7246302	578.43	578.49	0.06	0.0036
2604	499520.5	7248437	546.389	546.45	0.061	0.003721
3768	504231.3	7246276	574.289	574.35	0.061	0.003721
1357	504092.1	7246326	575.179	575.24	0.061	0.003721
1465	503113.8	7246561	578.009	578.07	0.061	0.003721
4201	499938.4	7248291	568.168	568.23	0.062	0.003844
2977	503184.1	7246538	576.958	577.02	0.062	0.003844
4074	501362.2	7247804	599.458	599.52	0.062	0.003844
3805	503930.7	7246456	569.357	569.42	0.063	0.003969
1362	504057.2	7246360	575.337	575.4	0.063	0.003969
3724	504638.8	7246481	577.347	577.41	0.063	0.003969
3130	504644.7	7246495	577.517	577.58	0.063	0.003969
3912	502705.1	7246692	582.187	582.25	0.063	0.003969
2615	499650.2	7248374	553.936	554	0.064	0.004096
3812	503886.9	7246414	569.986	570.05	0.064	0.004096
2940	502710.9	7246690	581.906	581.97	0.064	0.004096
3913	502691.8	7246696	582.796	582.86	0.064	0.004096
2647	500046.1	7248267	572.444	572.51	0.066	0.004356
3780	504097.6	7246322	575.084	575.15	0.066	0.004356
3721	504650.1	7246506	577.554	577.62	0.066	0.004356
3073	504117.5	7246308	574.603	574.67	0.067	0.004489
1332	504372.8	7246269	575.123	575.19	0.067	0.004489
3885	503076.4	7246573	578.543	578.61	0.067	0.004489
3049	503934.9	7246458	569.092	569.16	0.068	0.004624
3808	503909.8	7246442	569.912	569.98	0.068	0.004624
1429	503509.2	7246383	574.922	574.99	0.068	0.004624
4069	501369.5	7247755	602.222	602.29	0.068	0.004624
2636	499906.7	7248298	566.571	566.64	0.069	0.004761
3852	503495.9	7246391	575.071	575.14	0.069	0.004761
1862	499415	7248503	542.11	542.18	0.07	0.0049
1358	504084.2	7246333	575.31	575.38	0.07	0.0049
3723	504642.5	7246490	577.46	577.53	0.07	0.0049
2600	499473.1	7248465	544.249	544.32	0.071	0.005041
3048	503922.5	7246452	569.729	569.8	0.071	0.005041
1349	504171.8	7246284	573.749	573.82	0.071	0.005041

3846	503563.9	7246352	573.949	574.02	0.071	0.005041
3800	503976.1	7246459	566.867	566.94	0.073	0.005329
2669	500297.7	7248162	575.767	575.84	0.073	0.005329
1676	501370	7247762	602.027	602.1	0.073	0.005329
1856	499476.6	7248463	544.426	544.5	0.074	0.005476
1816	499937.3	7248291	568.116	568.19	0.074	0.005476
2996	503423.5	7246432	575.166	575.24	0.074	0.005476
3052	503974.5	7246459	566.885	566.96	0.075	0.005625
1344	504229.5	7246276	574.255	574.33	0.075	0.005625
3850	503519.1	7246378	574.785	574.86	0.075	0.005625
3811	503892.7	7246421	570.004	570.08	0.076	0.005776
1355	504109.4	7246313	574.804	574.88	0.076	0.005776
1501	502690.1	7246697	582.854	582.93	0.076	0.005776
4087	501245.7	7247875	602.582	602.66	0.078	0.006084
3042	503885.8	7246412	570.001	570.08	0.079	0.006241
3075	504136.3	7246298	574.17	574.25	0.08	0.0064
2780	501369.6	7247757	602.17	602.25	0.08	0.0064
4217	499741.8	7248341	559.449	559.53	0.081	0.006561
1384	503910.9	7246442	569.879	569.96	0.081	0.006561
1832	499742	7248341	559.458	559.54	0.082	0.006724
1858	499456.3	7248476	543.506	543.59	0.084	0.007056
1387	503893.4	7246421	569.995	570.08	0.085	0.007225
3776	504136.8	7246298	574.155	574.24	0.085	0.007225
1441	503382.3	7246453	574.465	574.55	0.085	0.007225
1675	501369.4	7247754	602.225	602.31	0.085	0.007225
4171	500296.4	7248163	575.664	575.75	0.086	0.007396
2941	502724.6	7246685	581.284	581.37	0.086	0.007396
1378	503955.8	7246462	567.772	567.86	0.088	0.007744
3806	503923.4	7246453	569.702	569.79	0.088	0.007744
1381	503931.9	7246456	569.26	569.35	0.09	0.0081
4214	499776.6	7248331	561.138	561.23	0.092	0.008464
1297	504643.5	7246492	577.478	577.57	0.092	0.008464
1829	499776.7	7248331	561.147	561.24	0.093	0.008649
1785	500296.9	7248162	575.697	575.79	0.093	0.008649
3803	503945.8	7246461	568.416	568.51	0.094	0.008836
1386	503899.1	7246429	569.915	570.01	0.095	0.009025
1348	504183	7246282	573.685	573.78	0.095	0.009025

3043	503891.2	7246419	570.004	570.1	0.096	0.009216
3804	503938.2	7246459	568.873	568.97	0.097	0.009409
1380	503939.6	7246459	568.76	568.86	0.1	0.01
1383	503917.6	7246448	569.766	569.87	0.104	0.010816
1353	504128.8	7246302	574.316	574.42	0.104	0.010816
3045	503901.3	7246432	569.903	570.01	0.107	0.011449
1382	503924.6	7246453	569.632	569.75	0.118	0.013924
3050	503947.9	7246461	568.281	568.4	0.119	0.014161
1379	503947.6	7246461	568.288	568.41	0.122	0.014884
1296	504646.8	7246499	577.539	577.67	0.131	0.017161
1385	503905	7246436	569.918	570.05	0.132	0.017424
3044	503896.3	7246425	569.94	570.1	0.16	0.0256
3046	503906.5	7246438	569.961	570.13	0.169	0.028561