

Raw navigation data and transit times for Run-2 at Blackback A1 ST-1

TRACE NUMBER	SOURCE POSITION_X (m)	SOURCE POSITION_Y (m)	MEASURED DEPTH (m)	TRANSIT_TIME SENSOR (s)	TRANSIT_TIME INITIAL (s)	TRANSIT TIME (s)
0	635232.0	5734740.0	3144.5	0.0581	0.9528	0.8947
1	635214.0	5734729.0	3144.5	0.0566	0.9516	0.8950
2	635215.0	5734733.0	3144.5	0.0575	0.9516	0.8941
3	635228.0	5734737.0	3144.5	0.0572	0.9518	0.8945
4	635230.0	5734740.0	3144.5	0.0575	0.9527	0.8953
5	635232.0	5734742.0	3144.5	0.0572	0.9513	0.8941
6	635232.0	5734742.0	3144.5	0.0565	0.9528	0.8963
7	635232.0	5734740.0	3150.0	0.0581	0.9538	0.8956
8	635214.0	5734729.0	3150.0	0.0566	0.9523	0.8958
9	635215.0	5734733.0	3150.0	0.0575	0.9522	0.8947
10	635228.0	5734737.0	3150.0	0.0572	0.9526	0.8954
11	635230.0	5734740.0	3150.0	0.0575	0.9525	0.8951
12	635232.0	5734742.0	3150.0	0.0572	0.9535	0.8963
13	635232.0	5734742.0	3150.0	0.0565	0.9521	0.8956
14	635222.0	5734815.0	3234.5	0.0571	0.9647	0.9076
15	635220.0	5734813.0	3234.5	0.0576	0.9643	0.9066
16	635224.0	5734814.0	3234.5	0.0567	0.9638	0.9071
17	635222.0	5734809.0	3234.5	0.0576	0.9660	0.9085
18	635221.0	5734807.5	3234.5	0.0566	0.9647	0.9082
19	635217.0	5734806.0	3234.5	0.0566	0.9645	0.9078
20	635220.0	5734807.5	3234.5	0.0571	0.9647	0.9076
21	635222.0	5734815.0	3240.0	0.0571	0.9658	0.9087
22	635220.0	5734813.0	3240.0	0.0576	0.9658	0.9082
23	635224.0	5734814.0	3240.0	0.0567	0.9649	0.9083
24	635222.0	5734809.0	3240.0	0.0576	0.9667	0.9092
25	635221.0	5734807.5	3240.0	0.0566	0.9656	0.9091
26	635217.0	5734806.0	3240.0	0.0566	0.9652	0.9086
27	635220.0	5734807.5	3240.0	0.0571	0.9657	0.9086
28	635202.0	5734885.0	3324.5	0.0574	0.9802	0.9228
29	635199.0	5734895.0	3324.5	0.0574	0.9784	0.9210
30	635197.0	5734901.0	3324.5	0.0566	0.9784	0.9218
31	635193.0	5734906.0	3324.5	0.0000	0.9773	0.9773
32	635197.0	5734910.0	3324.5	0.0000	0.9773	0.9773
33	635209.0	5734906.0	3324.5	0.0000	0.9790	0.9790
34	635202.0	5734885.0	3330.0	0.0574	0.5401	0.4826
35	635199.0	5734895.0	3330.0	0.0574	0.9788	0.9214
36	635197.0	5734901.0	3330.0	0.0566	0.4364	0.3798
37	635193.0	5734906.0	3330.0	0.0000	0.0000	0.0000
38	635197.0	5734910.0	3330.0	0.0000	0.0000	0.0000
39	635209.0	5734906.0	3330.0	0.0000	0.0000	0.0000
40	635206.0	5734921.0	3354.5	0.0000	0.9832	0.9832
41	635203.0	5734916.0	3354.5	0.0000	0.9813	0.9813
42	635200.0	5734913.0	3354.5	0.0574	0.0000	-0.0574
43	635194.0	5734923.0	3354.5	0.0575	0.9851	0.9276
44	635203.0	5734929.0	3354.5	0.0565	0.9817	0.9252
45	635210.0	5734930.5	3354.5	0.0000	0.9828	0.9828
46	635206.0	5734921.0	3360.0	0.0000	0.0000	0.0000

47	635203.0	5734916.0	3360.0	0.0000	0.0000	0.0000
48	635200.0	5734913.0	3360.0	0.0574	0.9843	0.9269
49	635194.0	5734923.0	3360.0	0.0575	0.4105	0.3530
50	635203.0	5734929.0	3360.0	0.0565	0.6587	0.6022
51	635210.0	5734930.5	3360.0	0.0000	0.0000	0.0000
52	635206.0	5734943.0	3384.5	0.0575	0.9877	0.9302
53	635202.0	5734944.5	3384.5	0.0572	0.9862	0.9290
54	635200.0	5734944.5	3384.5	0.0575	0.9873	0.9298
55	635198.0	5734945.0	3384.5	0.0574	0.9864	0.9289
56	635198.0	5734944.5	3384.5	0.0574	0.9865	0.9291
57	0.0	0.0	3384.5	0.0566	0.9856	0.9290
58	635208.0	5734946.5	3384.5	0.0574	0.9867	0.9293
59	635206.0	5734943.0	3390.0	0.0575	0.9887	0.9312
60	635202.0	5734944.5	3390.0	0.0572	0.9875	0.9303
61	635200.0	5734944.5	3390.0	0.0575	0.9882	0.9306
62	635198.0	5734945.0	3390.0	0.0574	0.9876	0.9302
63	635198.0	5734944.5	3390.0	0.0574	0.9874	0.9299
64	0.0	0.0	3390.0	0.0566	0.9866	0.9301
65	635208.0	5734946.5	3390.0	0.0574	0.9877	0.9302
66	635214.0	5734968.0	3414.4	0.0575	0.9921	0.9346
67	635220.0	5734965.0	3414.4	0.0566	0.9913	0.9347
68	635212.0	5734966.0	3414.4	0.0574	0.9918	0.9344
69	635206.0	5734967.0	3414.4	0.0575	0.9913	0.9338
70	635201.0	5734969.5	3414.4	0.0574	0.9917	0.9343
71	635200.0	5734971.0	3414.4	0.0575	0.9912	0.9337
72	635200.0	5734974.0	3414.4	0.0574	0.9917	0.9342
73	635214.0	5734968.0	3420.0	0.0575	0.9930	0.9355
74	635220.0	5734965.0	3420.0	0.0566	0.9929	0.9363
75	635212.0	5734966.0	3420.0	0.0574	0.9930	0.9356
76	635206.0	5734967.0	3420.0	0.0575	0.9928	0.9353
77	635201.0	5734969.5	3420.0	0.0574	0.9926	0.9352
78	635200.0	5734971.0	3420.0	0.0575	0.9924	0.9349
79	635200.0	5734974.0	3420.0	0.0574	0.9922	0.9348
80	635197.0	5734993.0	3444.5	0.0572	0.9965	0.9393
81	635195.0	5734993.0	3444.5	0.0575	0.9972	0.9397
82	635197.0	5734994.5	3444.5	0.0567	0.9962	0.9395
83	635199.0	5734994.5	3444.5	0.0576	0.9968	0.9392
84	635202.0	5734993.0	3444.5	0.0566	0.9956	0.9390
85	635205.0	5734994.5	3444.5	0.0574	0.9966	0.9392
86	635208.0	5734996.5	3444.5	0.0566	0.9961	0.9395
87	635197.0	5734993.0	3450.0	0.0572	0.9973	0.9401
88	635195.0	5734993.0	3450.0	0.0575	0.9983	0.9408
89	635197.0	5734994.5	3450.0	0.0567	0.9973	0.9406
90	635199.0	5734994.5	3450.0	0.0576	0.9977	0.9401
91	635202.0	5734993.0	3450.0	0.0566	0.9962	0.9395
92	635205.0	5734994.5	3450.0	0.0574	0.9977	0.9403
93	635208.0	5734996.5	3450.0	0.0566	0.9971	0.9405
94	635200.0	5735020.0	3474.5	0.0572	1.0021	0.9449
95	635203.0	5735021.0	3474.5	0.0566	1.0017	0.9451
96	635202.0	5735019.5	3474.5	0.0566	1.0016	0.9450
97	635198.0	5735017.0	3474.5	0.0566	1.0011	0.9445
98	635199.0	5735016.0	3474.5	0.0574	1.0020	0.9446

99	635199.0	5735017.0	3474.5	0.0567	1.0011	0.9445
100	635198.0	5735019.5	3474.5	0.0574	1.0015	0.9441
101	635200.0	5735020.0	3480.0	0.0572	1.0029	0.9457
102	635203.0	5735021.0	3480.0	0.0566	1.0026	0.9460
103	635202.0	5735019.5	3480.0	0.0566	1.0026	0.9459
104	635198.0	5735017.0	3480.0	0.0566	1.0021	0.9456
105	635199.0	5735016.0	3480.0	0.0574	1.0031	0.9457
106	635199.0	5735017.0	3480.0	0.0567	1.0020	0.9453
107	635198.0	5735019.5	3480.0	0.0574	1.0024	0.9450
108	635188.0	5735042.0	3504.5	0.0000	0.0000	0.0000
109	635186.0	5735040.0	3504.5	0.0566	1.0066	0.9500
110	635194.0	5735038.0	3504.5	0.0574	1.0074	0.9499
111	635196.0	5735042.0	3504.5	0.0567	1.0070	0.9504
112	635198.0	5735043.0	3504.5	0.0574	1.0072	0.9498
113	0.0	0.0	3504.5	0.0575	1.0071	0.9496
114	635195.0	5735043.0	3504.5	0.0575	1.0074	0.9498
115	635194.0	5735044.5	3504.5	0.0567	1.0072	0.9505
116	635188.0	5735042.0	3510.0	0.0000	0.0000	0.0000
117	635186.0	5735040.0	3510.0	0.0566	1.0075	0.9509
118	635194.0	5735038.0	3510.0	0.0574	1.0082	0.9508
119	635196.0	5735042.0	3510.0	0.0567	1.0078	0.9512
120	635198.0	5735043.0	3510.0	0.0574	1.0081	0.9507
121	0.0	0.0	3510.0	0.0575	1.0079	0.9505
122	635195.0	5735043.0	3510.0	0.0575	1.0082	0.9507
123	635194.0	5735044.5	3510.0	0.0567	1.0080	0.9514
124	635188.0	5735070.0	3534.5	0.0575	1.0122	0.9547
125	635189.0	5735063.0	3534.5	0.0624	1.0127	0.9503
126	635189.0	5735066.0	3534.5	0.0575	1.0124	0.9549
127	635183.0	5735074.0	3534.5	0.0575	1.0121	0.9546
128	635200.0	5735063.0	3534.5	0.0575	1.0124	0.9548
129	635200.0	5735064.0	3534.5	0.0583	1.0128	0.9545
130	635200.0	5735072.5	3534.5	0.0572	1.0115	0.9542
131	635182.0	5735078.0	3534.5	0.0574	1.0118	0.9543
132	635188.0	5735070.0	3540.0	0.0575	1.0131	0.9556
133	635189.0	5735063.0	3540.0	0.0624	1.0137	0.9513
134	635189.0	5735066.0	3540.0	0.0575	1.0134	0.9560
135	635183.0	5735074.0	3540.0	0.0575	1.0130	0.9556
136	635200.0	5735063.0	3540.0	0.0575	1.0133	0.9558
137	635200.0	5735064.0	3540.0	0.0583	1.0137	0.9555
138	635200.0	5735072.5	3540.0	0.0572	1.0125	0.9553
139	635182.0	5735078.0	3540.0	0.0574	1.0128	0.9554
140	635183.0	5735094.0	3564.5	0.0574	1.0154	0.9581
141	635196.0	5735093.0	3564.5	0.0576	1.0157	0.9581
142	635195.0	5735091.0	3564.5	0.0575	1.0156	0.9581
143	635192.0	5735092.0	3564.5	0.0566	1.0149	0.9582
144	635186.0	5735090.0	3564.5	0.0574	1.0156	0.9582
145	635186.0	5735090.0	3564.5	0.0626	1.0153	0.9527
146	635187.0	5735093.0	3564.5	0.0576	1.0153	0.9578
147	635198.0	5735096.0	3564.5	0.0574	1.0157	0.9583
148	635183.0	5735094.0	3570.0	0.0574	1.0164	0.9590
149	635196.0	5735093.0	3570.0	0.0576	1.0165	0.9588
150	635195.0	5735091.0	3570.0	0.0575	1.0164	0.9589

151	635192.0	5735092.0	3570.0	0.0566	1.0156	0.9589
152	635186.0	5735090.0	3570.0	0.0574	1.0165	0.9590
153	635186.0	5735090.0	3570.0	0.0626	1.0163	0.9537
154	635187.0	5735093.0	3570.0	0.0576	1.0163	0.9588
155	635198.0	5735096.0	3570.0	0.0574	1.0165	0.9591
156	635181.0	5735115.0	3594.5	0.0574	1.0181	0.9606
157	635186.0	5735113.0	3594.5	0.0623	1.0179	0.9555
158	635188.0	5735116.0	3594.5	0.0575	1.0181	0.9606
159	635191.0	5735122.5	3594.5	0.0574	1.0178	0.9604
160	635183.0	5735117.0	3594.5	0.0574	1.0184	0.9610
161	635185.0	5735118.0	3594.5	0.0574	1.0179	0.9605
162	635186.0	5735119.0	3594.5	0.0573	1.0178	0.9604
163	635188.0	5735115.0	3594.5	0.0574	1.0180	0.9607
164	635181.0	5735115.0	3600.0	0.0574	1.0187	0.9612
165	635186.0	5735113.0	3600.0	0.0623	1.0185	0.9562
166	635188.0	5735116.0	3600.0	0.0575	1.0187	0.9612
167	635191.0	5735122.5	3600.0	0.0574	1.0185	0.9611
168	635183.0	5735117.0	3600.0	0.0574	1.0192	0.9618
169	635185.0	5735118.0	3600.0	0.0574	1.0187	0.9613
170	635186.0	5735119.0	3600.0	0.0573	1.0186	0.9612
171	635188.0	5735115.0	3600.0	0.0574	1.0188	0.9615
172	635177.0	5735146.0	3624.5	0.0574	1.0202	0.9628
173	635177.0	5735144.0	3624.5	0.0574	1.0203	0.9629
174	635179.0	5735142.0	3624.5	0.0566	1.0198	0.9632
175	635181.0	5735141.0	3624.5	0.0575	1.0200	0.9624
176	635181.0	5735142.0	3624.5	0.0567	1.0194	0.9628
177	635183.0	5735144.0	3624.5	0.0574	1.0205	0.9631
178	635185.0	5735144.0	3624.5	0.0566	1.0198	0.9632
179	635177.0	5735146.0	3630.0	0.0574	1.0210	0.9636
180	635177.0	5735144.0	3630.0	0.0574	1.0215	0.9641
181	635179.0	5735142.0	3630.0	0.0566	1.0208	0.9642
182	635181.0	5735141.0	3630.0	0.0575	1.0212	0.9637
183	635181.0	5735142.0	3630.0	0.0567	1.0203	0.9636
184	635183.0	5735144.0	3630.0	0.0574	1.0214	0.9640
185	635185.0	5735144.0	3630.0	0.0566	1.0207	0.9641
186	635183.0	5735173.0	3654.5	0.0565	1.0237	0.9673
187	635178.0	5735169.0	3654.5	0.0572	1.0234	0.9662
188	635173.0	5735163.5	3654.5	0.0573	1.0236	0.9663
189	635186.0	5735170.0	3654.5	0.0576	1.0249	0.9673
190	635184.0	5735176.0	3654.5	0.0573	1.0236	0.9663
191	635176.0	5735177.0	3654.5	0.0574	1.0237	0.9662
192	635168.0	5735167.0	3654.5	0.0575	1.0239	0.9665
193	635183.0	5735173.0	3660.0	0.0565	1.0244	0.9679
194	635178.0	5735169.0	3660.0	0.0572	1.0242	0.9670
195	635173.0	5735163.5	3660.0	0.0573	1.0245	0.9671
196	635186.0	5735170.0	3660.0	0.0576	1.0257	0.9682
197	635184.0	5735176.0	3660.0	0.0573	1.0244	0.9671
198	635176.0	5735177.0	3660.0	0.0574	1.0246	0.9671
199	635168.0	5735167.0	3660.0	0.0575	1.0247	0.9672
200	635177.0	5735197.5	3684.5	0.0566	1.0270	0.9705
201	635178.0	5735197.5	3684.5	0.0566	1.0268	0.9702
202	635179.0	5735198.0	3684.5	0.0573	1.0275	0.9702

203	635181.0	5735198.0	3684.5	0.0565	1.0270	0.9704
204	635181.0	5735198.0	3684.5	0.0566	1.0271	0.9705
205	635179.0	5735199.0	3684.5	0.0575	1.0276	0.9701
206	635179.0	5735196.0	3684.5	0.0574	1.0277	0.9703
207	635177.0	5735197.5	3690.0	0.0566	1.0280	0.9715
208	635178.0	5735197.5	3690.0	0.0566	1.0278	0.9712
209	635179.0	5735198.0	3690.0	0.0573	1.0286	0.9713
210	635181.0	5735198.0	3690.0	0.0565	1.0277	0.9712
211	635181.0	5735198.0	3690.0	0.0566	1.0282	0.9716
212	635179.0	5735199.0	3690.0	0.0575	1.0284	0.9710
213	635179.0	5735196.0	3690.0	0.0574	1.0285	0.9710
214	635174.0	5735226.0	3714.5	0.0575	1.0311	0.9737
215	635177.0	5735224.0	3714.5	0.0574	1.0310	0.9737
216	635179.0	5735223.0	3714.5	0.0575	1.0313	0.9738
217	635176.0	5735222.5	3714.5	0.0627	1.0307	0.9680
218	635171.0	5735224.5	3714.5	0.0575	1.0308	0.9733
219	635168.0	5735224.0	3714.5	0.0575	1.0312	0.9737
220	635169.0	5735222.5	3714.5	0.0574	1.0313	0.9740
221	635170.0	5735222.5	3714.5	0.0574	1.0311	0.9737
222	635174.0	5735226.0	3720.0	0.0575	1.0322	0.9748
223	635177.0	5735224.0	3720.0	0.0574	1.0322	0.9748
224	635179.0	5735223.0	3720.0	0.0575	1.0324	0.9749
225	635176.0	5735222.5	3720.0	0.0627	1.0319	0.9692
226	635171.0	5735224.5	3720.0	0.0575	1.0319	0.9744
227	635168.0	5735224.0	3720.0	0.0575	1.0323	0.9748
228	635169.0	5735222.5	3720.0	0.0574	1.0324	0.9751
229	635170.0	5735222.5	3720.0	0.0574	1.0322	0.9748
230	635168.0	5735247.5	3744.3	0.0574	1.0345	0.9771
231	635168.0	5735247.5	3744.3	0.0574	1.0337	0.9763
232	635168.0	5735248.0	3744.3	0.0572	1.0339	0.9767
233	635167.0	5735250.5	3744.3	0.0567	1.0334	0.9768
234	635167.0	5735250.5	3744.3	0.0566	1.0332	0.9766
235	635168.0	5735242.0	3744.3	0.0574	1.0344	0.9771
236	635167.0	5735243.0	3744.3	0.0576	1.0347	0.9771
237	635168.0	5735247.5	3750.0	0.0574	1.0355	0.9781
238	635168.0	5735247.5	3750.0	0.0574	1.0344	0.9770
239	635168.0	5735248.0	3750.0	0.0572	1.0347	0.9776
240	635167.0	5735250.5	3750.0	0.0567	1.0344	0.9777
241	635167.0	5735250.5	3750.0	0.0566	1.0340	0.9775
242	635168.0	5735242.0	3750.0	0.0574	1.0352	0.9779
243	635167.0	5735243.0	3750.0	0.0576	1.0355	0.9780
244	635163.0	5735274.0	3774.5	0.0575	1.0376	0.9801
245	635163.0	5735275.5	3774.5	0.0575	1.0376	0.9802
246	635170.0	5735276.0	3774.5	0.0575	1.0374	0.9800
247	635173.0	5735277.5	3774.5	0.0566	1.0361	0.9796
248	635172.0	5735279.0	3774.5	0.0575	1.0377	0.9802
249	635170.0	5735279.0	3774.5	0.0575	1.0373	0.9798
250	635167.0	5735277.5	3774.5	0.0567	1.0365	0.9799
251	635163.0	5735274.0	3780.0	0.0575	1.0385	0.9810
252	635163.0	5735275.5	3780.0	0.0575	1.0387	0.9812
253	635170.0	5735276.0	3780.0	0.0575	1.0383	0.9809
254	635173.0	5735277.5	3780.0	0.0566	1.0372	0.9807

255	635172.0	5735279.0	3780.0	0.0575	1.0387	0.9812
256	635170.0	5735279.0	3780.0	0.0575	1.0384	0.9809
257	635167.0	5735277.5	3780.0	0.0567	1.0376	0.9810
258	635166.0	5735301.0	3803.9	0.0575	1.0406	0.9832
259	0.0	0.0	3803.9	0.0566	1.0391	0.9825
260	635160.0	5735302.0	3803.9	0.0574	1.0399	0.9824
261	635160.0	5735302.0	3803.9	0.0575	1.0400	0.9826
262	635161.0	5735299.0	3803.9	0.0575	1.0406	0.9831
263	635162.0	5735298.0	3803.9	0.0565	1.0400	0.9835
264	635161.0	5735300.5	3803.9	0.0567	1.0397	0.9831
265	635166.0	5735301.0	3810.0	0.0575	1.0419	0.9844
266	0.0	0.0	3810.0	0.0566	1.0402	0.9837
267	635160.0	5735302.0	3810.0	0.0574	1.0410	0.9836
268	635160.0	5735302.0	3810.0	0.0575	1.0412	0.9837
269	635161.0	5735299.0	3810.0	0.0575	1.0418	0.9843
270	635162.0	5735298.0	3810.0	0.0565	1.0411	0.9845
271	635161.0	5735300.5	3810.0	0.0567	1.0408	0.9842
272	635163.0	5735325.5	3834.5	0.0566	1.0428	0.9861
273	635160.0	5735321.0	3834.5	0.0566	1.0425	0.9859
274	635154.0	5735313.0	3834.5	0.0574	1.0438	0.9864
275	635151.0	5735311.5	3834.5	0.0574	1.0449	0.9875
276	635147.0	5735287.0	3834.5	0.0567	1.0442	0.9875
277	635229.0	5735366.0	3834.5	0.0576	1.0459	0.9884
278	635153.0	5735337.0	3834.5	0.0574	1.0428	0.9854
279	635165.0	5735330.0	3834.5	0.0565	1.0421	0.9856
280	635161.0	5735323.0	3834.5	0.0575	1.0435	0.9860
281	635157.0	5735321.0	3834.5	0.0574	1.0431	0.9857
282	635160.0	5735329.0	3834.5	0.0574	1.0431	0.9857
283	635161.0	5735331.0	3834.5	0.0566	1.0419	0.9853
284	635163.0	5735325.5	3840.0	0.0566	1.0436	0.9870
285	635160.0	5735321.0	3840.0	0.0566	1.0433	0.9868
286	635154.0	5735313.0	3840.0	0.0574	1.0444	0.9870
287	635151.0	5735311.5	3840.0	0.0574	1.0461	0.9887
288	635147.0	5735287.0	3840.0	0.0567	1.0452	0.9885
289	635229.0	5735366.0	3840.0	0.0576	1.0471	0.9895
290	635153.0	5735337.0	3840.0	0.0574	1.0435	0.9862
291	635165.0	5735330.0	3840.0	0.0565	1.0431	0.9866
292	635161.0	5735323.0	3840.0	0.0575	1.0442	0.9867
293	635157.0	5735321.0	3840.0	0.0574	1.0440	0.9866
294	635160.0	5735329.0	3840.0	0.0574	1.0439	0.9865
295	635161.0	5735331.0	3840.0	0.0566	1.0430	0.9864
296	635152.0	5735349.0	3864.5	0.0575	1.0463	0.9888
297	635154.0	5735349.0	3864.5	0.0575	1.0466	0.9891
298	635155.0	5735350.5	3864.5	0.0566	1.0459	0.9893
299	635155.0	5735351.0	3864.5	0.0574	1.0465	0.9891
300	635154.0	5735352.0	3864.5	0.0574	1.0455	0.9881
301	635154.0	5735352.5	3864.5	0.0574	1.0463	0.9889
302	635159.0	5735354.0	3864.5	0.0574	1.0458	0.9885
303	635152.0	5735349.0	3870.0	0.0575	1.0472	0.9897
304	635154.0	5735349.0	3870.0	0.0575	1.0476	0.9901
305	635155.0	5735350.5	3870.0	0.0566	1.0469	0.9904
306	635155.0	5735351.0	3870.0	0.0574	1.0473	0.9899

307	635154.0	5735352.0	3870.0	0.0574	1.0465	0.9891
308	635154.0	5735352.5	3870.0	0.0574	1.0472	0.9898
309	635159.0	5735354.0	3870.0	0.0574	1.0469	0.9895
310	635148.0	5735377.5	3894.5	0.0575	1.0495	0.9919
311	635147.0	5735375.5	3894.5	0.0575	1.0492	0.9918
312	635150.0	5735373.0	3894.5	0.0575	1.0491	0.9916
313	635154.0	5735376.0	3894.5	0.0567	1.0488	0.9922
314	635152.0	5735376.0	3894.5	0.0566	1.0493	0.9927
315	635145.0	5735374.0	3894.5	0.0575	1.0494	0.9919
316	0.0	0.0	3894.5	0.0574	1.0494	0.9919
317	635148.0	5735377.5	3900.0	0.0575	1.0504	0.9929
318	635147.0	5735375.5	3900.0	0.0575	1.0507	0.9932
319	635150.0	5735373.0	3900.0	0.0575	1.0500	0.9925
320	635154.0	5735376.0	3900.0	0.0567	1.0498	0.9931
321	635152.0	5735376.0	3900.0	0.0566	1.0507	0.9940
322	635145.0	5735374.0	3900.0	0.0575	1.0505	0.9930
323	0.0	0.0	3900.0	0.0574	1.0507	0.9932
324	635142.0	5735398.0	3924.5	0.0574	1.0532	0.9958
325	635142.0	5735400.5	3924.5	0.0574	1.0522	0.9948
326	635142.0	5735401.0	3924.5	0.0574	1.0528	0.9954
327	635143.0	5735402.0	3924.5	0.0566	1.0519	0.9953
328	635144.0	5735401.0	3924.5	0.0575	1.0524	0.9950
329	635146.0	5735400.5	3924.5	0.0566	1.0524	0.9958
330	635146.0	5735401.0	3924.5	0.0566	1.0524	0.9957
331	635148.0	5735400.5	3924.5	0.0574	1.0528	0.9954
332	635142.0	5735398.0	3930.0	0.0574	1.0540	0.9966
333	635142.0	5735400.5	3930.0	0.0574	1.0533	0.9959
334	635142.0	5735401.0	3930.0	0.0574	1.0536	0.9962
335	635143.0	5735402.0	3930.0	0.0566	1.0529	0.9963
336	635144.0	5735401.0	3930.0	0.0575	1.0533	0.9958
337	635146.0	5735400.5	3930.0	0.0566	1.0535	0.9969
338	635146.0	5735401.0	3930.0	0.0566	1.0534	0.9968
339	635148.0	5735400.5	3930.0	0.0574	1.0538	0.9964
340	635139.0	5735426.0	3954.3	0.0574	1.0563	0.9989
341	635137.0	5735427.5	3954.3	0.0070	0.5480	0.5410
342	635136.0	5735427.5	3954.3	0.0574	1.0557	0.9983
343	635139.0	5735426.0	3954.3	0.0574	1.0556	0.9982
344	635141.0	5735426.0	3954.3	0.0565	1.0561	0.9995
345	635144.0	5735430.5	3954.3	0.0566	1.0553	0.9987
346	635139.0	5735432.0	3954.3	0.0574	1.0557	0.9983
347	635134.0	5735425.5	3954.3	0.0566	1.0551	0.9985
348	635135.0	5735418.0	3954.3	0.0574	1.0564	0.9990
349	635139.0	5735426.0	3960.0	0.0574	1.0574	1.0000
350	635137.0	5735427.5	3960.0	0.0070	0.5156	0.5087
351	635136.0	5735427.5	3960.0	0.0574	1.0569	0.9995
352	635139.0	5735426.0	3960.0	0.0574	1.0568	0.9994
353	635141.0	5735426.0	3960.0	0.0565	1.0572	1.0007
354	635144.0	5735430.5	3960.0	0.0566	1.0565	0.9999
355	635139.0	5735432.0	3960.0	0.0574	1.0568	0.9994
356	635134.0	5735425.5	3960.0	0.0566	1.0562	0.9996
357	635135.0	5735418.0	3960.0	0.0574	1.0577	1.0003
358	635134.0	5735451.0	3984.5	0.0565	1.0590	1.0025

359	635133.0	5735448.0	3984.5	0.0574	1.0595	1.0022
360	635134.0	5735449.0	3984.5	0.0566	1.0589	1.0023
361	635135.0	5735449.0	3984.5	0.0566	1.0587	1.0022
362	635136.0	5735450.5	3984.5	0.0574	1.0592	1.0018
363	635137.0	5735452.0	3984.5	0.0574	1.6826	1.6252
364	635136.0	5735455.0	3984.5	0.0565	1.0581	1.0016
365	635134.0	5735455.0	3984.5	0.0566	1.0578	1.0012
366	635134.0	5735451.0	3990.0	0.0565	1.0600	1.0035
367	635133.0	5735448.0	3990.0	0.0574	1.0610	1.0036
368	635134.0	5735449.0	3990.0	0.0566	1.0601	1.0035
369	635135.0	5735449.0	3990.0	0.0566	1.0601	1.0035
370	635136.0	5735450.5	3990.0	0.0574	1.0605	1.0031
371	635137.0	5735452.0	3990.0	0.0574	1.3241	1.2666
372	635136.0	5735455.0	3990.0	0.0565	1.0590	1.0024
373	635134.0	5735455.0	3990.0	0.0566	1.0588	1.0022
374	635127.0	5735475.0	4014.5	0.0574	1.0635	1.0061
375	635131.0	5735474.0	4014.5	0.0566	1.0622	1.0056
376	635135.0	5735475.0	4014.5	0.0575	1.0639	1.0064
377	0.0	0.0	4014.5	0.0574	1.0646	1.0072
378	635130.0	5735474.0	4014.5	0.0566	1.0629	1.0063
379	635122.0	5735472.0	4014.5	0.0574	1.0638	1.0064
380	635125.0	5735473.0	4014.5	0.0566	1.0631	1.0065
381	635127.0	5735475.0	4020.0	0.0574	1.0654	1.0080
382	635131.0	5735474.0	4020.0	0.0566	1.0648	1.0082
383	635135.0	5735475.0	4020.0	0.0575	1.0654	1.0079
384	0.0	0.0	4020.0	0.0574	1.0660	1.0086
385	635130.0	5735474.0	4020.0	0.0566	1.0651	1.0085
386	635122.0	5735472.0	4020.0	0.0574	1.0649	1.0075
387	635125.0	5735473.0	4020.0	0.0566	1.0648	1.0082
388	635131.0	5735498.0	4044.5	0.0565	0.0000	-0.0565
389	635132.0	5735502.0	4044.5	0.0565	1.0699	1.0134
390	635131.0	5735502.0	4044.5	0.0566	0.0000	-0.0566
391	635128.0	5735502.0	4044.5	0.0566	1.0678	1.0113
392	635130.0	5735498.0	4044.5	0.0574	1.0690	1.0116
393	635134.0	5735499.0	4044.5	0.0565	1.0680	1.0115
394	635132.0	5735501.0	4044.5	0.0566	0.8938	0.8372
395	635125.0	5735500.0	4044.5	0.0566	1.0693	1.0127
396	635126.0	5735497.0	4044.5	0.0566	1.0681	1.0115
397	635127.0	5735496.0	4044.5	0.0574	1.0690	1.0116
398	0.0	0.0	4044.5	0.0574	1.0676	1.0103
399	635128.0	5735502.0	4044.5	0.0566	1.0686	1.0121
400	635131.0	5735498.0	4050.0	0.0565	1.0698	1.0133
401	635132.0	5735502.0	4050.0	0.0565	1.0690	1.0125
402	635131.0	5735502.0	4050.0	0.0566	0.5079	0.4513
403	635128.0	5735502.0	4050.0	0.0566	0.7407	0.6841
404	635130.0	5735498.0	4050.0	0.0574	1.0698	1.0124
405	635134.0	5735499.0	4050.0	0.0565	1.0697	1.0132
406	635132.0	5735501.0	4050.0	0.0566	0.8983	0.8417
407	635125.0	5735500.0	4050.0	0.0566	1.0697	1.0131
408	635126.0	5735497.0	4050.0	0.0566	1.0692	1.0125
409	635127.0	5735496.0	4050.0	0.0574	1.0706	1.0132
410	0.0	0.0	4050.0	0.0574	1.0700	1.0126

411	635128.0	5735502.0	4050.0	0.0566	1.0683	1.0117
412	635131.0	5735526.0	4074.4	0.0565	1.0743	1.0178
413	635131.0	5735526.0	4074.4	0.0566	1.0737	1.0172
414	635130.0	5735528.5	4074.4	0.0574	1.0679	1.0104
415	635129.0	5735529.0	4074.4	0.0574	1.0741	1.0167
416	635126.0	5735530.5	4074.4	0.0574	1.0732	1.0158
417	635127.0	5735529.0	4074.4	0.0574	1.0732	1.0158
418	635129.0	5735527.0	4074.4	0.0566	1.0725	1.0159
419	635131.0	5735528.5	4074.4	0.0565	1.0726	1.0161
420	635130.0	5735529.0	4074.4	0.0574	1.0737	1.0163
421	635127.0	5735527.0	4074.4	0.0000	1.0731	1.0731
422	635123.0	5735528.5	4074.4	0.0574	1.0703	1.0130
423	635131.0	5735526.0	4080.0	0.0565	1.0737	1.0172
424	635131.0	5735526.0	4080.0	0.0566	1.0739	1.0173
425	635130.0	5735528.5	4080.0	0.0574	1.0747	1.0173
426	635129.0	5735529.0	4080.0	0.0574	1.0747	1.0173
427	635126.0	5735530.5	4080.0	0.0574	1.0744	1.0170
428	635127.0	5735529.0	4080.0	0.0574	1.0747	1.0173
429	635129.0	5735527.0	4080.0	0.0566	1.0741	1.0175
430	635131.0	5735528.5	4080.0	0.0565	1.0734	1.0169
431	635130.0	5735529.0	4080.0	0.0574	1.0746	1.0172
432	635127.0	5735527.0	4080.0	0.0000	0.0000	0.0000
433	635123.0	5735528.5	4080.0	0.0574	1.0739	1.0165
434	635127.0	5735548.0	4104.5	0.0566	1.0782	1.0216
435	635127.0	5735549.0	4104.5	0.0566	1.0775	1.0209
436	635125.0	5735552.0	4104.5	0.0566	1.0776	1.0209
437	635121.0	5735549.0	4104.5	0.0566	1.0769	1.0203
438	635119.0	5735547.0	4104.5	0.0565	1.0772	1.0207
439	635124.0	5735549.0	4104.5	0.0000	1.0779	1.0779
440	635128.0	5735553.5	4104.5	0.0566	1.0779	1.0213
441	635128.0	5735555.0	4104.5	0.0566	1.0771	1.0205
442	635123.0	5735554.0	4104.5	0.0574	1.0774	1.0200
443	635127.0	5735548.0	4110.0	0.0566	1.0797	1.0232
444	635127.0	5735549.0	4110.0	0.0566	0.5480	0.4915
445	635125.0	5735552.0	4110.0	0.0566	1.0785	1.0219
446	635121.0	5735549.0	4110.0	0.0566	1.0790	1.0224
447	635119.0	5735547.0	4110.0	0.0565	1.0787	1.0222
448	635124.0	5735549.0	4110.0	0.0000	0.0000	0.0000
449	635128.0	5735553.5	4110.0	0.0566	1.0793	1.0227
450	635128.0	5735555.0	4110.0	0.0566	1.0785	1.0219
451	635123.0	5735554.0	4110.0	0.0574	1.0786	1.0212
452	635122.0	5735578.5	4134.5	0.0000	0.0000	0.0000
453	635116.0	5735579.0	4134.5	0.0575	1.0781	1.0207
454	635115.0	5735575.0	4134.5	0.0566	0.0000	-0.0566
455	635123.0	5735575.0	4134.5	0.0566	0.0000	-0.0566
456	635126.0	5735580.0	4134.5	0.0574	1.0836	1.0263
457	635119.0	5735579.0	4134.5	0.0575	1.0828	1.0253
458	635117.0	5735573.0	4134.5	0.0575	1.0849	1.0274
459	635118.0	5735572.0	4134.5	0.0566	1.0834	1.0268
460	635121.0	5735572.0	4134.5	0.0575	1.0838	1.0263
461	635124.0	5735575.0	4134.5	0.0619	0.0000	-0.0619
462	635125.0	5735577.0	4134.5	0.0574	0.0000	-0.0574

463	635120.0	5735575.0	4134.5	0.0000	0.0000	0.0000
464	635124.0	5735580.5	4134.5	0.0000	1.0826	1.0826
465	635125.0	5735582.0	4134.5	0.0000	1.0826	1.0826
466	635118.0	5735577.0	4134.5	0.0566	1.0819	1.0254
467	635116.0	5735573.0	4134.5	0.0574	1.0829	1.0255
468	635119.0	5735572.0	4134.5	0.0566	1.0822	1.0256
469	635123.0	5735573.0	4134.5	0.0573	1.0836	1.0263
470	635125.0	5735575.0	4134.5	0.0566	1.0818	1.0253
471	635122.0	5735578.5	4140.0	0.0000	0.0000	0.0000
472	635116.0	5735579.0	4140.0	0.0575	1.0833	1.0258
473	635115.0	5735575.0	4140.0	0.0566	0.0815	0.0250
474	635123.0	5735575.0	4140.0	0.0566	1.0834	1.0268
475	635126.0	5735580.0	4140.0	0.0574	1.0836	1.0262
476	635119.0	5735579.0	4140.0	0.0575	1.0835	1.0260
477	635117.0	5735573.0	4140.0	0.0575	1.0845	1.0271
478	635118.0	5735572.0	4140.0	0.0566	1.0833	1.0267
479	635121.0	5735572.0	4140.0	0.0575	1.0849	1.0273
480	635124.0	5735575.0	4140.0	0.0619	1.0831	1.0212
481	635125.0	5735577.0	4140.0	0.0574	1.0847	1.0273
482	635120.0	5735575.0	4140.0	0.0000	0.0000	0.0000
483	635124.0	5735580.5	4140.0	0.0000	0.0000	0.0000
484	635125.0	5735582.0	4140.0	0.0000	0.0000	0.0000
485	635118.0	5735577.0	4140.0	0.0566	1.0840	1.0274
486	635116.0	5735573.0	4140.0	0.0574	1.0843	1.0269
487	635119.0	5735572.0	4140.0	0.0566	1.0831	1.0265
488	635123.0	5735573.0	4140.0	0.0573	1.0844	1.0270
489	635125.0	5735575.0	4140.0	0.0566	1.0831	1.0265
490	635119.0	5735597.0	4164.5	0.0574	0.0000	-0.0574
491	635123.0	5735604.0	4164.5	0.0565	1.0861	1.0296
492	635121.0	5735605.0	4164.5	0.0575	1.0864	1.0290
493	635120.0	5735604.0	4164.5	0.0567	1.0861	1.0295
494	635119.0	5735602.0	4164.5	0.0574	1.0862	1.0288
495	635117.0	5735601.0	4164.5	0.0573	1.0859	1.0287
496	635115.0	5735601.0	4164.5	0.0575	1.0869	1.0294
497	635114.0	5735601.0	4164.5	0.0577	1.0870	1.0293
498	635119.0	5735597.0	4170.0	0.0574	1.0884	1.0310
499	635123.0	5735604.0	4170.0	0.0565	1.0874	1.0308
500	635121.0	5735605.0	4170.0	0.0575	1.0878	1.0304
501	635120.0	5735604.0	4170.0	0.0567	1.0872	1.0306
502	635119.0	5735602.0	4170.0	0.0574	1.0871	1.0297
503	635117.0	5735601.0	4170.0	0.0573	1.0872	1.0299
504	635115.0	5735601.0	4170.0	0.0575	1.0881	1.0306
505	635114.0	5735601.0	4170.0	0.0577	1.0881	1.0304
506	635114.0	5735631.5	4194.4	0.0000	0.0000	0.0000
507	635113.0	5735629.0	4194.4	0.0000	0.1364	0.1364
508	635114.0	5735631.5	4200.0	0.0000	0.0000	0.0000
509	635113.0	5735629.0	4200.0	0.0000	0.0000	0.0000
510	635116.0	5735648.0	4224.5	0.0566	0.8555	0.7989
511	635114.0	5735646.0	4224.5	0.0566	0.0000	-0.0566
512	635112.0	5735647.0	4224.5	0.0571	2.3126	2.2556
513	635111.0	5735651.0	4224.5	0.0567	0.5242	0.4675
514	635115.0	5735654.0	4224.5	0.0575	1.0952	1.0377

515	635115.0	5735654.0	4224.5	0.0575	1.0937	1.0362
516	635117.0	5735653.0	4224.5	0.0000	1.0950	1.0950
517	635116.0	5735653.0	4224.5	0.0566	1.0943	1.0377
518	635113.0	5735653.0	4224.5	0.0566	1.0934	1.0368
519	635111.0	5735653.0	4224.5	0.0566	0.8650	0.8084
520	635110.0	5735652.0	4224.5	0.0566	1.0937	1.0371
521	635113.0	5735648.0	4224.5	0.0566	1.0944	1.0378
522	635112.0	5735649.0	4224.5	0.0566	1.0945	1.0379
523	635115.0	5735653.0	4224.5	0.0573	1.0952	1.0379
524	635116.0	5735648.0	4230.0	0.0566	1.0962	1.0396
525	635114.0	5735646.0	4230.0	0.0566	1.0955	1.0390
526	635112.0	5735647.0	4230.0	0.0571	2.3406	2.2836
527	635111.0	5735651.0	4230.0	0.0567	0.5443	0.4876
528	635115.0	5735654.0	4230.0	0.0575	1.0961	1.0387
529	635115.0	5735654.0	4230.0	0.0575	1.0959	1.0385
530	635117.0	5735653.0	4230.0	0.0000	0.0000	0.0000
531	635116.0	5735653.0	4230.0	0.0566	1.0955	1.0389
532	635113.0	5735653.0	4230.0	0.0566	1.0951	1.0385
533	635111.0	5735653.0	4230.0	0.0566	1.0954	1.0388
534	635110.0	5735652.0	4230.0	0.0566	1.0951	1.0385
535	635113.0	5735648.0	4230.0	0.0566	1.0961	1.0395
536	635112.0	5735649.0	4230.0	0.0566	1.0958	1.0392
537	635115.0	5735653.0	4230.0	0.0573	1.0965	1.0392
538	635111.0	5735685.0	4254.5	0.0574	1.0991	1.0418
539	635108.0	5735683.0	4254.5	0.0565	1.0979	1.0413
540	635106.0	5735679.0	4254.5	0.0575	1.0991	1.0416
541	635107.0	5735671.0	4254.5	0.0574	1.0990	1.0416
542	635109.0	5735672.0	4254.5	0.0566	1.0979	1.0413
543	635109.0	5735675.0	4254.5	0.0575	1.0986	1.0411
544	635110.0	5735680.0	4254.5	0.0574	1.0989	1.0415
545	635111.0	5735685.0	4260.0	0.0574	1.1003	1.0429
546	635108.0	5735683.0	4260.0	0.0565	1.0991	1.0426
547	635106.0	5735679.0	4260.0	0.0575	1.1002	1.0427
548	635107.0	5735671.0	4260.0	0.0574	1.1001	1.0426
549	635109.0	5735672.0	4260.0	0.0566	1.0992	1.0426
550	635109.0	5735675.0	4260.0	0.0575	1.0999	1.0424
551	635110.0	5735680.0	4260.0	0.0574	1.1000	1.0426
552	635103.0	5735708.0	4284.5	0.0574	1.1032	1.0458
553	635105.0	5735706.5	4284.5	0.0566	1.1028	1.0462
554	635108.0	5735702.0	4284.5	0.0567	1.1031	1.0465
555	635108.0	5735700.0	4284.5	0.0576	1.1036	1.0460
556	635109.0	5735704.0	4284.5	0.0575	1.1037	1.0462
557	635113.0	5735708.5	4284.5	0.0574	1.1031	1.0457
558	635110.0	5735706.5	4284.5	0.0566	1.1030	1.0464
559	0.0	0.0	4284.5	0.0575	1.1044	1.0469
560	635103.0	5735708.0	4290.0	0.0574	1.1045	1.0471
561	635105.0	5735706.5	4290.0	0.0566	1.1047	1.0481
562	635108.0	5735702.0	4290.0	0.0567	1.1046	1.0480
563	635108.0	5735700.0	4290.0	0.0576	1.1049	1.0473
564	635109.0	5735704.0	4290.0	0.0575	1.1050	1.0475
565	635113.0	5735708.5	4290.0	0.0574	1.1047	1.0473
566	635110.0	5735706.5	4290.0	0.0566	1.1041	1.0474

567	0.0	0.0	4290.0	0.0575	1.1053	1.0478
568	635109.0	5735735.0	4314.5	0.0617	1.1091	1.0474
569	635109.0	5735733.5	4314.5	0.0572	1.1085	1.0513
570	635108.0	5735733.0	4314.5	0.0000	0.0000	0.0000
571	635108.0	5735727.0	4314.5	0.0575	1.1078	1.0503
572	635108.0	5735725.0	4314.5	0.0575	1.1083	1.0508
573	635107.0	5735725.0	4314.5	0.0575	1.1085	1.0510
574	635109.0	5735737.0	4314.5	0.0566	1.1076	1.0509
575	635109.0	5735736.0	4314.5	0.0566	1.1079	1.0513
576	635109.0	5735729.0	4314.5	0.0575	1.1089	1.0514
577	635106.0	5735727.0	4314.5	0.0567	1.1066	1.0499
578	635109.0	5735735.0	4320.0	0.0617	1.1089	1.0472
579	635109.0	5735733.5	4320.0	0.0572	1.1083	1.0512
580	635108.0	5735733.0	4320.0	0.0000	0.0000	0.0000
581	635108.0	5735727.0	4320.0	0.0575	1.1092	1.0517
582	635108.0	5735725.0	4320.0	0.0575	1.1089	1.0514
583	635107.0	5735725.0	4320.0	0.0575	1.1096	1.0521
584	635109.0	5735737.0	4320.0	0.0566	1.1083	1.0517
585	635109.0	5735736.0	4320.0	0.0566	1.1084	1.0517
586	635109.0	5735729.0	4320.0	0.0575	1.1098	1.0523
587	635106.0	5735727.0	4320.0	0.0567	1.1085	1.0517
588	635106.0	5735760.0	4344.5	0.0566	1.1112	1.0546
589	635102.0	5735757.0	4344.5	0.0575	1.1119	1.0544
590	635102.0	5735758.5	4344.5	0.0575	1.1121	1.0546
591	635105.0	5735760.0	4344.5	0.0574	1.1115	1.0541
592	635108.0	5735760.0	4344.5	0.0576	1.1120	1.0545
593	635108.0	5735758.0	4344.5	0.0585	1.1122	1.0537
594	635105.0	5735757.0	4344.5	0.0577	1.1116	1.0539
595	635099.0	5735750.0	4344.5	0.0575	1.1120	1.0544
596	635103.0	5735754.0	4344.5	0.0576	1.1118	1.0542
597	635106.0	5735760.0	4350.0	0.0566	1.1124	1.0558
598	635102.0	5735757.0	4350.0	0.0575	1.1131	1.0557
599	635102.0	5735758.5	4350.0	0.0575	1.1131	1.0556
600	635105.0	5735760.0	4350.0	0.0574	1.1127	1.0553
601	635108.0	5735760.0	4350.0	0.0576	1.1133	1.0558
602	635108.0	5735758.0	4350.0	0.0585	1.1131	1.0546
603	635105.0	5735757.0	4350.0	0.0577	1.1129	1.0552
604	635099.0	5735750.0	4350.0	0.0575	1.1130	1.0554
605	635103.0	5735754.0	4350.0	0.0576	1.1130	1.0555
606	635089.0	5735766.0	4374.5	0.0571	1.1163	1.0592
607	635092.0	5735772.5	4374.5	0.0574	1.1166	1.0591
608	635095.0	5735775.0	4374.5	0.0574	1.1167	1.0592
609	635099.0	5735776.0	4374.5	0.0574	1.1165	1.0592
610	635099.0	5735785.0	4374.5	0.0574	1.1162	1.0588
611	635101.0	5735782.0	4374.5	0.0566	1.1151	1.0585
612	635099.0	5735780.0	4374.5	0.0565	1.1152	1.0588
613	635089.0	5735766.0	4380.0	0.0571	1.1175	1.0604
614	635092.0	5735772.5	4380.0	0.0574	1.1175	1.0601
615	635095.0	5735775.0	4380.0	0.0574	1.1174	1.0600
616	635099.0	5735776.0	4380.0	0.0574	1.1175	1.0601
617	635099.0	5735785.0	4380.0	0.0574	1.1171	1.0597
618	635101.0	5735782.0	4380.0	0.0566	1.1160	1.0594

619	635099.0	5735780.0	4380.0	0.0565	1.1162	1.0597
620	635092.0	5735940.0	4404.5	0.0575	1.1197	1.0622
621	635092.0	5735938.0	4404.5	0.0566	1.1177	1.0611
622	635093.0	5735934.5	4404.5	0.0573	1.1186	1.0612
623	635090.0	5735941.0	4404.5	0.0575	1.1191	1.0616
624	635092.0	5735936.5	4404.5	0.0565	1.1172	1.0608
625	635091.0	5735934.5	4404.5	0.0573	1.1193	1.0620
626	635085.0	5735929.0	4404.5	0.0565	1.1181	1.0616
627	635087.0	5735935.0	4404.5	0.0574	1.1186	1.0613
628	635099.0	5735936.5	4404.5	0.0574	1.1169	1.0596
629	635092.0	5735940.0	4410.0	0.0575	1.1199	1.0624
630	635092.0	5735938.0	4410.0	0.0566	1.1187	1.0621
631	635093.0	5735934.5	4410.0	0.0573	1.1194	1.0620
632	635090.0	5735941.0	4410.0	0.0575	1.1196	1.0621
633	635092.0	5735936.5	4410.0	0.0565	1.1184	1.0619
634	635091.0	5735934.5	4410.0	0.0573	1.1199	1.0625
635	635085.0	5735929.0	4410.0	0.0565	1.1193	1.0628
636	635087.0	5735935.0	4410.0	0.0574	1.1198	1.0624
637	635099.0	5735936.5	4410.0	0.0574	1.1194	1.0621
638	635091.0	5735965.0	4434.5	0.0572	1.1231	1.0659
639	635093.0	5735958.0	4434.5	0.0574	1.1219	1.0645
640	635087.0	5735961.5	4434.5	0.0575	1.1239	1.0665
641	635087.0	5735965.0	4434.5	0.0575	1.1245	1.0670
642	635086.0	5735958.0	4434.5	0.0566	1.1240	1.0674
643	635094.0	5735960.0	4434.5	0.0574	1.1241	1.0667
644	635096.0	5735960.0	4434.5	0.0575	1.1235	1.0660
645	635092.0	5735966.0	4434.5	0.0566	1.1224	1.0658
646	635090.0	5735964.0	4434.5	0.0566	1.1231	1.0665
647	635091.0	5735957.0	4434.5	0.0575	1.1238	1.0663
648	635089.0	5735955.0	4434.5	0.0575	1.1234	1.0659
649	635087.0	5735959.5	4434.5	0.0574	1.1232	1.0657
650	635089.0	5735961.5	4434.5	0.0566	1.1229	1.0663
651	635091.0	5735965.0	4440.0	0.0572	1.1240	1.0668
652	635093.0	5735958.0	4440.0	0.0574	1.1252	1.0678
653	635087.0	5735961.5	4440.0	0.0575	1.1252	1.0677
654	635087.0	5735965.0	4440.0	0.0575	1.1250	1.0675
655	635086.0	5735958.0	4440.0	0.0566	1.1245	1.0679
656	635094.0	5735960.0	4440.0	0.0574	1.1249	1.0674
657	635096.0	5735960.0	4440.0	0.0575	1.1244	1.0669
658	635092.0	5735966.0	4440.0	0.0566	1.1234	1.0668
659	635090.0	5735964.0	4440.0	0.0566	1.1240	1.0673
660	635091.0	5735957.0	4440.0	0.0575	1.1248	1.0673
661	635089.0	5735955.0	4440.0	0.0575	1.1244	1.0669
662	635087.0	5735959.5	4440.0	0.0574	1.1241	1.0667
663	635089.0	5735961.5	4440.0	0.0566	1.1237	1.0671