

lockloss_all_20221228-20230103

index	gps	utc	jst	previou_state_n	previous_state_s	stay time	power GreenX	power GreenY	power IRX	power IRY
0	1356281679.0625	2022-12-28 16:54:21.062500	2022-12-29 01:54:21.062500	10000	OBSERVATION	27368.375	1.1619314	0.47620314	8.832563	30.246311
1	1356281711.3125	2022-12-28 16:54:53.312500	2022-12-29 01:54:53.312500	110	ENGAGE_ALS_CARM	2.3125	0.801184	0.33909616	0.0061240476	0.026989572
2	1356281875.4375	2022-12-28 16:57:37.437500	2022-12-29 01:57:37.437500	110	ENGAGE_ALS_CARM	3.9375	1.1593206	0.42621833	0.014801047	0.036489986
3	1356281916.5625	2022-12-28 16:58:18.562500	2022-12-29 01:58:18.562500	205	ENGAGE_FNC_XY	1.4375	0.44556007	0.4968663	0.048016906	-0.018164009
4	1356282064.6875	2022-12-28 17:00:46.687500	2022-12-29 02:00:46.687500	110	ENGAGE_ALS_CARM	3.625	1.0416662	0.5044013	0.012329798	0.007375501
5	1356282288.5625	2022-12-28 17:04:30.562500	2022-12-29 02:04:30.562500	10000	OBSERVATION	79.125	0.9276651	0.5105852	8.789792	30.156994
6	1356282366.3125	2022-12-28 17:05:48.312500	2022-12-29 02:05:48.312500	110	ENGAGE_ALS_CARM	3.125	0.7121966	0.43020684	0.004298173	0.018769294
7	1356326326.0625	2022-12-29 05:18:28.062500	2022-12-29 14:18:28.062500	10000	OBSERVATION	42281.125	1.1205788	0.5385329	9.103396	30.897285
8	1356327754.6875	2022-12-29 05:42:16.687500	2022-12-29 14:42:16.687500	10000	OBSERVATION	1154.375	1.1630234	0.52647454	8.570431	29.228403
9	1356334109.1875	2022-12-29 07:28:11.187500	2022-12-29 16:28:11.187500	10000	OBSERVATION	6092.375	1.118412	0.54668844	8.68657	28.617603
10	1356335331.5625	2022-12-29 07:48:33.562500	2022-12-29 16:48:33.562500	10000	OBSERVATION	853.0	1.2222801	0.5217835	8.473345	28.122961
11	1356335363.6875	2022-12-29 07:49:05.687500	2022-12-29 16:49:05.687500	100	ALS_XY_LOCKED	0.1875	0.21988752	0.14434114	0.0148984995	0.038914412
12	1356337330.0625	2022-12-29 08:21:52.062500	2022-12-29 17:21:52.062500	10000	OBSERVATION	1845.875	1.2279375	0.4943186	9.099815	30.318928
13	1356337357.8125	2022-12-29 08:22:19.812500	2022-12-29 17:22:19.812500	100	ALS_XY_LOCKED	0.1875	0.24443339	0.11026624	0.00981913	0.012041641
14	1356337367.625	2022-12-29 08:22:29.625000	2022-12-29 17:22:29.625000	100	ALS_XY_LOCKED	0.1875	0.3331842	0.15328375	0.013612721	-0.0030019071
15	1356337377.8125	2022-12-29 08:22:39.812500	2022-12-29 17:22:39.812500	110	ENGAGE_ALS_CARM	0.25	0.463692	0.19121207	0.009782054	0.0128719695
16	1356337386.75	2022-12-29 08:22:48.750000	2022-12-29 17:22:48.750000	100	ALS_XY_LOCKED	0.1875	0.2715624	0.11374179	0.008867126	0.008698839
17	1356337395.75	2022-12-29 08:22:57.750000	2022-12-29 17:22:57.750000	100	ALS_XY_LOCKED	0.1875	0.28387725	0.12718302	0.0054611834	0.004631372
18	1356337404.6875	2022-12-29 08:23:06.687500	2022-12-29 17:23:06.687500	100	ALS_XY_LOCKED	0.1875	0.27362803	0.13003917	0.0077266237	0.012870825
19	1356337413.625	2022-12-29 08:23:15.625000	2022-12-29 17:23:15.625000	100	ALS_XY_LOCKED	0.1875	0.30605295	0.14987986	-0.0009131711	0.032691013
20	1356341293.6875	2022-12-29 09:27:55.687500	2022-12-29 18:27:55.687500	10000	OBSERVATION	3627.375	1.196013	0.52679914	8.514181	28.151821
21	1356348430.8125	2022-12-29 11:26:52.812500	2022-12-29 20:26:52.812500	10000	OBSERVATION	6928.0	1.1755208	0.5159175	8.447162	26.644327
22	1356350884.5625	2022-12-29 12:07:46.562500	2022-12-29 21:07:46.562500	10000	OBSERVATION	2288.5	1.1890442	0.51024806	8.514196	28.113472
23	1356352012.5625	2022-12-29 12:26:34.562500	2022-12-29 21:26:34.562500	10000	OBSERVATION	882.75	1.1633995	0.53368515	8.558597	28.390957
24	1356352121.3125	2022-12-29 12:28:23.312500	2022-12-29 21:28:23.312500	100	ALS_XY_LOCKED	0.1875	0.2525792	0.16043597	0.0034873572	0.027749598
25	1356352942.0625	2022-12-29 12:42:04.062500	2022-12-29 21:42:04.062500	10000	OBSERVATION	637.0	1.1881883	0.5300173	8.645425	28.669449
26	1356353034.5625	2022-12-29 12:43:36.562500	2022-12-29 21:43:36.562500	100	ALS_XY_LOCKED	0.1875	0.3026306	0.13677798	0.002668691	0.019268923
27	1356354010.1875	2022-12-29 12:59:52.187500	2022-12-29 21:59:52.187500	10000	OBSERVATION	527.875	1.1877575	0.5227739	8.547081	28.242006
28	1356354127.5625	2022-12-29 13:01:49.562500	2022-12-29 22:01:49.562500	210	ENGAGE_ALS_DARM	7.3125	1.1781716	0.5259437	0.0020755122	0.008887948
29	1356354906.9375	2022-12-29 13:14:48.937500	2022-12-29 22:14:48.937500	10000	OBSERVATION	565.375	1.1535654	0.5107594	8.356657	26.941673
30	1356355803.5625	2022-12-29 13:29:45.562500	2022-12-29 22:29:45.562500	10000	OBSERVATION	624.25	1.201376	0.53497523	8.711569	28.23758
31	1356356384.8125	2022-12-29 13:39:26.812500	2022-12-29 22:39:26.812500	10000	OBSERVATION	323.25	1.1961975	0.5318196	8.269433	26.561905
32	1356357712.1875	2022-12-29 14:01:34.187500	2022-12-29 23:01:34.187500	10000	OBSERVATION	1065.0	1.2097496	0.49326825	8.508533	27.57008
33	1356409007.0625	2022-12-30 04:16:29.062500	2022-12-30 13:16:29.062500	10000	OBSERVATION	51068.5	1.1655968	0.47621512	8.651427	28.079721
34	1356413871.1875	2022-12-30 05:37:33.187500	2022-12-30 14:37:33.187500	10000	OBSERVATION	4723.75	1.0645245	0.4884545	8.529515	27.972782
35	1356414207.0625	2022-12-30 05:43:09.062500	2022-12-30 14:43:09.062500	10000	OBSERVATION	125.375	1.1052248	0.47896224	8.550073	28.047878
36	1356414614.0	2022-12-30 05:49:56	2022-12-30 14:49:56	10000	OBSERVATION	196.5625	1.1380142	0.48985258	8.346924	27.624897
37	1356417592.6875	2022-12-30 06:39:34.687500	2022-12-30 15:39:34.687500	10000	OBSERVATION	2741.375	1.1463468	0.4773866	8.529892	27.526031
38	1356419492.9375	2022-12-30 07:11:14.937500	2022-12-30 16:11:14.937500	10000	OBSERVATION	1737.625	1.1336274	0.44493306	8.6719475	27.404774
39	1356419672.6875	2022-12-30 07:14:14.687500	2022-12-30 16:14:14.687500	10000	OBSERVATION	21.375	1.1379414	0.46859455	9.071335	29.53566
40	1356419842.875	2022-12-30 07:17:04.875000	2022-12-30 16:17:04.875000	10000	OBSERVATION	1.6875	1.1269535	0.4666273	8.845133	29.495436
41	1356421277.4375	2022-12-30 07:40:59.437500	2022-12-30 16:40:59.437500	10000	OBSERVATION	1293.25	1.1036954	0.47271138	8.260431	27.246672
42	1356422702.4375	2022-12-30 08:04:44.437500	2022-12-30 17:04:44.437500	10000	OBSERVATION	1228.5	1.0647519	0.5003612	8.459312	26.658604
43	1356422755.25	2022-12-30 08:05:37.250000	2022-12-30 17:05:37.250000	110	ENGAGE_ALS_CARM	0.625	0.28313097	0.17149515	0.0071003586	0.02262853
44	1356424416.9375	2022-12-30 08:33:18.937500	2022-12-30 17:33:18.937500	10000	OBSERVATION	1536.25	1.1676697	0.4767571	8.32946	26.62527
45	1356425041.5625	2022-12-30 08:43:43.562500	2022-12-30 17:43:43.562500	10000	OBSERVATION	390.25	1.1794667	0.4917743	8.351198	26.381416
46	1356425367.1875	2022-12-30 08:49:09.187500	2022-12-30 17:49:09.187500	10000	OBSERVATION	132.25	1.116874	0.50618213	8.52569	27.816698
47	1356425895.9375	2022-12-30 08:57:57.937500	2022-12-30 17:57:57.937500	10000	OBSERVATION	292.875	1.1329442	0.49959427	8.389127	27.331154
48	1356426991.3125	2022-12-30 09:16:13.312500	2022-12-30 18:16:13.312500	10000	OBSERVATION	843.875	1.1461325	0.47223604	8.286188	26.934162
49	1356427272.9375	2022-12-30 09:20:54.937500	2022-12-30 18:20:54.937500	10000	OBSERVATION	82.875	1.176329	0.4894491	8.70496	27.612455
50	1356428579.4375	2022-12-30 09:42:41.437500	2022-12-30 18:42:41.437500	10000	OBSERVATION	1163.625	1.1742892	0.49267238	8.574564	27.123568
51	1356428882.1875	2022-12-30 09:47:44.187500	2022-12-30 18:47:44.187500	10000	OBSERVATION	82.875	1.1777679	0.4746691	8.636282	25.699827
52	1356429636.5625	2022-12-30 10:00:18.562500	2022-12-30 19:00:18.562500	10000	OBSERVATION	570.75	1.1827359	0.51848096	8.490063	28.276257
53	1356430089.9375	2022-12-30 10:07:51.937500	2022-12-30 19:07:51.937500	10000	OBSERVATION	249.875	1.1499567	0.4335398	8.429252	27.055437
54	1356430676.9375	2022-12-30 10:17:38.937500	2022-12-30 19:17:38.937500	10000	OBSERVATION	406.25	1.2127664	0.4949958	8.597266	27.50783
55	1356430735.875	2022-12-30 10:18:37.875000	2022-12-30 19:18:37.875000	100	ALS_XY_LOCKED	0.1875	0.30426157	0.12894534	0.0063783624	0.050092127
56	1356432446.9375	2022-12-30 10:47:08.937500	2022-12-30 19:47:08.937500	10000	OBSERVATION	1568.1875	1.1752806	0.47345948	8.537878	26.916641
57	1356433589.4375	2022-12-30 11:06:11.437500	2022-12-30 20:06:11.437500	10000	OBSERVATION	619.625	1.1823286	0.44048393	8.093361	24.550491
58	1356433646.0	2022-12-30 11:07:08	2022-12-30 20:07:08	100	ALS_XY_LOCKED	0.1875	0.26671565	0.100707464	0.011916977	0.0024391618
59	1356433656.9375	2022-12-30 11:07:18.937500	2022-12-30 20:07:18.937500	110	ENGAGE_ALS_CARM	1.75	0.37412572	0.26838169	0.011900023	0.07160513
60	1356433970.6875	2022-12-30 11:12:32.687500	2022-12-30 20:12:32.687500	10000	OBSERVATION	161.375	1.1595708	0.49967828	8.273271	26.25467
61	1356436075.6875	2022-12-30 11:47:37.687500	2022-12-30 20:47:37.687500	10000	OBSERVATION	1965.75	1.1799518	0.46924525	8.736151	26.491772
62	1356437791.3125	2022-12-30 12:16:13.312500	2022-12-30 21:16:13.312500	10000	OBSERVATION	1274.75	1.1787213	0.44200003	8.483534	24.601292
63	1356438698.1875	2022-12-30 12:31:20.187500	2022-12-30 21:31:20.187500	10000	OBSERVATION	727.375	1.110465	0.48215532	8.16869	25.994143
64	1356438731.875	2022-12-30 12:31:53.875000	2022-12-30 21:31:53.875000	110	ENGAGE_ALS_CARM	0.625	0.33438995	0.17513165	0.0012874245	0.004056773
65	1356439414.0625	2022-12-30 12:43:16.062500	2022-12-30 21:43:16.062500	10000	OBSERVATION	486.625	1.1406626	0.43519378	8.676102	26.389963
66	1356439501.5	2022-12-30 12:44:43.500000	2022-12-30 21:44:43.500000	100	ALS_XY_LOCKED	0.1875	0.25345442	0.1372545	0.008800427	0.01851241
67	1356440063.6875	2022-12-30 12:54:05.687500	2022-12-30 21:54:05.687500	10000	OBSERVATION	340.				

90	1356452545.1875	2022-12-30 16:22:07.187500	2022-12-31 01:22:07.187500	10000	OBSERVATION	222.125	1.121841	0.49409714	8.644558	28.034456
91	1356453315.5625	2022-12-30 16:34:57.562500	2022-12-31 01:34:57.562500	10000	OBSERVATION	529.875	1.1607467	0.46593246	8.653175	27.735199
92	1356453624.5625	2022-12-30 16:40:06.562500	2022-12-31 01:40:06.562500	10000	OBSERVATION	145.875	1.1783484	0.473968	8.630377	26.64543
93	1356454348.8125	2022-12-30 16:52:10.812500	2022-12-31 01:52:10.812500	10000	OBSERVATION	559.5	1.120902	0.48184735	8.567923	26.934174
94	1356454751.4375	2022-12-30 16:58:53.437500	2022-12-31 01:58:53.437500	10000	OBSERVATION	174.125	1.1435511	0.4873365	8.627447	27.359539
95	1356454916.8125	2022-12-30 17:01:38.812500	2022-12-31 02:01:38.812500	10000	OBSERVATION	4.25	1.1650839	0.49337184	8.956919	28.870098
96	1356455164.875	2022-12-30 17:05:46.875000	2022-12-31 02:05:46.875000	10000	OBSERVATION	31.9375	1.1554668	0.47296762	8.944397	27.29256
97	1356455594.9375	2022-12-30 17:12:56.937500	2022-12-31 02:12:56.937500	10000	OBSERVATION	257.5	1.1304946	0.45666897	8.55847	27.016403
98	1356456616.5625	2022-12-30 17:29:58.562500	2022-12-31 02:29:58.562500	10000	OBSERVATION	862.625	1.1714234	0.48545295	8.528681	27.010868
99	1356456895.8125	2022-12-30 17:34:37.812500	2022-12-31 02:34:37.812500	10000	OBSERVATION	37.0	1.1457847	0.4755399	8.750425	27.128534
100	1356457592.0625	2022-12-30 17:46:14.062500	2022-12-31 02:46:14.062500	10000	OBSERVATION	441.75	1.1284132	0.47351256	8.321583	26.164972
101	1356457913.4375	2022-12-30 17:51:35.437500	2022-12-31 02:51:35.437500	10000	OBSERVATION	143.125	1.1613173	0.4789206	8.725441	28.128477
102	1356458132.1875	2022-12-30 17:55:14.187500	2022-12-31 02:55:14.187500	10000	OBSERVATION	8.25	1.1369232	0.5090867	8.888042	28.88311
103	1356458477.9375	2022-12-30 18:00:59.937500	2022-12-31 03:00:59.937500	10000	OBSERVATION	126.75	1.1664699	0.49318057	8.571634	27.083158
104	1356458830.9375	2022-12-30 18:06:52.937500	2022-12-31 03:06:52.937500	10000	OBSERVATION	170.625	1.1904733	0.47378188	8.422169	26.955032
105	1356459243.1875	2022-12-30 18:13:45.187500	2022-12-31 03:13:45.187500	10000	OBSERVATION	208.875	1.1713877	0.49027416	8.140756	26.616716
106	1356459311.4375	2022-12-30 18:14:53.437500	2022-12-31 03:14:53.437500	210	ENGAGE_ALS_DARM	5.3125	0.46084747	0.5046291	-0.00118584	-0.029008068
107	1356459343.125	2022-12-30 18:15:25.125000	2022-12-31 03:15:25.125000	100	ALS_XY_LOCKED	0.1875	0.2874822	0.13389502	0.010291021	-0.010653287
108	1356459665.5625	2022-12-30 18:20:47.562500	2022-12-31 03:20:47.562500	10000	OBSERVATION	151.75	1.1557344	0.48839775	8.519736	28.046904
109	1356460018.0625	2022-12-30 18:26:40.062500	2022-12-31 03:26:40.062500	10000	OBSERVATION	200.125	1.1713428	0.4864406	8.595869	27.273712
110	1356460060.875	2022-12-30 18:27:22.875000	2022-12-31 03:27:22.875000	100	ALS_XY_LOCKED	0.1875	0.31281978	0.13707682	0.008071178	0.003723187
111	1356460846.4375	2022-12-30 18:40:28.437500	2022-12-31 03:40:28.437500	10000	OBSERVATION	167.875	1.1571097	0.47978228	8.5124855	27.287388
112	1356461760.5625	2022-12-30 18:55:42.562500	2022-12-31 03:55:42.562500	10000	OBSERVATION	721.75	1.1691712	0.48093757	8.404093	26.616476
113	1356462130.4375	2022-12-30 19:01:52.437500	2022-12-31 04:01:52.437500	10000	OBSERVATION	148.125	1.1748345	0.47945458	8.584951	27.244427
114	1356462686.5625	2022-12-30 19:11:08.562500	2022-12-31 04:11:08.562500	10000	OBSERVATION	348.25	1.1368331	0.4837433	8.512669	27.07862
115	1356463121.375	2022-12-30 19:18:23.375000	2022-12-31 04:18:23.375000	10000	OBSERVATION	226.9375	1.1877773	0.46604475	8.761035	28.749641
116	1356463413.875	2022-12-30 19:23:15.875000	2022-12-31 04:23:15.875000	10000	OBSERVATION	124.5625	1.1477766	0.48922506	8.364416	26.548954
117	1356463599.0625	2022-12-30 19:26:21.062500	2022-12-31 04:26:21.062500	10000	OBSERVATION	15.75	1.1700116	0.48520383	8.873906	28.618382
118	1356463937.5625	2022-12-30 19:31:59.562500	2022-12-31 04:31:59.562500	10000	OBSERVATION	118.0	1.1407044	0.48799336	8.664913	28.853424
119	1356464351.3125	2022-12-30 19:38:53.312500	2022-12-31 04:38:53.312500	10000	OBSERVATION	130.875	1.1666411	0.47726876	8.607995	27.784687
120	1356465078.4375	2022-12-30 19:51:00.437500	2022-12-31 04:51:00.437500	10000	OBSERVATION	422.5	1.1548125	0.49319994	8.710323	28.209846
121	1356465468.9375	2022-12-30 19:57:30.937500	2022-12-31 04:57:30.937500	10000	OBSERVATION	143.875	1.0882617	0.46235675	8.418335	26.342972
122	1356465870.0625	2022-12-30 20:04:12.062500	2022-12-31 05:04:12.062500	10000	OBSERVATION	205.125	1.1687433	0.49957743	8.536066	26.474201
123	1356466194.5625	2022-12-30 20:09:36.562500	2022-12-31 05:09:36.562500	10000	OBSERVATION	49.875	1.1502894	0.49661094	8.737401	28.468431
124	1356466493.4375	2022-12-30 20:14:35.437500	2022-12-31 05:14:35.437500	10000	OBSERVATION	114.375	1.1398981	0.4813374	8.524805	27.34692
125	1356466737.3125	2022-12-30 20:18:39.312500	2022-12-31 05:18:39.312500	10000	OBSERVATION	72.75	1.1499907	0.46827728	8.933376	28.77731
126	1356467319.0625	2022-12-30 20:28:21.062500	2022-12-31 05:28:21.062500	10000	OBSERVATION	185.125	1.1491903	0.45509276	8.594038	26.730267
127	1356467598.3125	2022-12-30 20:33:00.312500	2022-12-31 05:33:00.312500	10000	OBSERVATION	44.875	1.1728104	0.48127213	8.878159	27.952215
128	1356467937.1875	2022-12-30 20:38:39.187500	2022-12-31 05:38:39.187500	10000	OBSERVATION	86.75	1.150325	0.48567915	8.345846	26.743145
129	1356468363.8125	2022-12-30 20:45:45.812500	2022-12-31 05:45:45.812500	10000	OBSERVATION	145.625	1.1551745	0.4726637	8.690817	28.083717
130	1356468761.0625	2022-12-30 20:52:23.062500	2022-12-31 05:52:23.062500	10000	OBSERVATION	118.125	1.1595533	0.4773708	8.429234	27.00214
131	1356468823.9375	2022-12-30 20:53:25.937500	2022-12-31 05:53:25.937500	100	ALS_XY_LOCKED	0.1875	0.24782784	0.1410366	0.0022104578	0.030352853
132	1356469017.6875	2022-12-30 20:56:39.687500	2022-12-31 05:56:39.687500	10000	OBSERVATION	51.25	1.1606656	0.4708405	8.746241	26.861065
133	1356469285.0625	2022-12-30 21:01:07.062500	2022-12-31 06:01:07.062500	10000	OBSERVATION	32.25	1.1061726	0.49624464	8.527985	27.64029
134	1356469555.9375	2022-12-30 21:05:37.937500	2022-12-31 06:05:37.937500	10000	OBSERVATION	125.375	1.1378198	0.4732968	8.609846	28.031384
135	1356469615.6875	2022-12-30 21:06:37.687500	2022-12-31 06:06:37.687500	100	ALS_XY_LOCKED	0.1875	0.28017315	0.123718075	0.0037491205	0.02322584
136	1356469942.3125	2022-12-30 21:12:04.312500	2022-12-31 06:12:04.312500	10000	OBSERVATION	129.125	1.1274409	0.49993876	8.536064	27.304585
137	1356470244.8125	2022-12-30 21:17:06.812500	2022-12-31 06:17:06.812500	10000	OBSERVATION	100.0	1.1568393	0.4869003	8.704281	27.875374
138	1356470412.3125	2022-12-30 21:19:54.312500	2022-12-31 06:19:54.312500	10000	OBSERVATION	3.75	1.1728305	0.45547006	9.103735	28.328144
139	1356470694.6875	2022-12-30 21:24:36.687500	2022-12-31 06:24:36.687500	10000	OBSERVATION	69.375	1.1440341	0.48280007	8.737076	27.57715
140	1356470876.4375	2022-12-30 21:27:38.437500	2022-12-31 06:27:38.437500	10000	OBSERVATION	3.875	1.1726488	0.44777638	8.972864	27.23504
141	1356470934.5625	2022-12-30 21:28:36.562500	2022-12-31 06:28:36.562500	110	ENGAGE_ALS_CARM	1.5	0.38157004	0.26240933	0.004133625	0.037358522
142	1356471231.8125	2022-12-30 21:33:33.812500	2022-12-31 06:33:33.812500	10000	OBSERVATION	130.0	1.1346048	0.48080972	8.383364	26.139488
143	1356471570.5625	2022-12-30 21:39:12.562500	2022-12-31 06:39:12.562500	10000	OBSERVATION	97.125	1.1472591	0.47640157	8.298758	26.21907
144	1356471606.0	2022-12-30 21:39:48	2022-12-31 06:39:48	100	ALS_XY_LOCKED	0.1875	0.29962248	0.14264488	0.006402332	0.005677184
145	1356471823.8125	2022-12-30 21:43:25.812500	2022-12-31 06:43:25.812500	10000	OBSERVATION	77.875	1.1568664	0.42781058	8.824053	27.814426
146	1356472192.6875	2022-12-30 21:49:34.687500	2022-12-31 06:49:34.687500	10000	OBSERVATION	115.0	1.1355178	0.47215825	8.605421	27.005801
147	1356472569.3125	2022-12-30 21:55:51.312500	2022-12-31 06:55:51.312500	10000	OBSERVATION	91.875	1.1481274	0.4926021	8.628209	27.68236
148	1356472799.9375	2022-12-30 21:59:41.937500	2022-12-31 06:59:41.937500	10000	OBSERVATION	73.75	1.1088964	0.47369406	8.678471	28.144958
149	1356473042.9375	2022-12-30 22:03:44.937500	2022-12-31 07:03:44.937500	10000	OBSERVATION	77.625	1.1652055	0.47424373	8.699565	28.254116
150	1356473290.3125	2022-12-30 22:07:52.312500	2022-12-31 07:07:52.312500	10000	OBSERVATION	85.5	1.1344879	0.5062104	8.610653	27.050077
151	1356473672.0625	2022-12-30 22:14:14.062500	2022-12-31 07:14:14.062500	10000	OBSERVATION	74.375	1.1239885	0.4817565	8.850855	28.156275
152	1356474050.1875	2022-12-30 22:20:32.187500	2022-12-31 07:20:32.187500	10000	OBSERVATION	130.625	1.1512139	0.45822725	8.874844	28.232708
153	1356474109.0625	2022-12-30 22:21:31.062500	2022-12-31 07:21:31.062500	110	ENGAGE_ALS_CARM	5.125	0.45550838	0.47317535	0.010980053	-0.01897554
154	1356474340.0625	2022-12-30 22:25:22.062500	2022-12-31 07:25:22.062500	10000	OBSERVATION	87.875	1.076629	0.4668665	8.458548	26.921131
155	1356474642.5625	2022-12-30 22:30:24.562500	2022-12-31 07:30:24.562500	10000	OBSERVATION	56.875	1.1595876	0.45106244	8.632586	26.334084
156	1356474698.6875	2022-12-30 22:31:20.687500	2022-12-31 07:31:20.687500	110	ENGAGE_ALS_CARM	3.75	0.5060829	0.46238124	0.01248167	-0.016508779
157	1356475010.8125	2022-12-30 22:36:32.812500	2022-12-31 07:36:32.812500	10000	OBSERVATION	169.0	1.1821795	0.47388187	8.303087	25.691233
158	1356475312.5625	2022-12-30 22:41:34.562500	2022-12-31 07:41:34.562500	10000	OBSERVATION	90.0	1.164			

182	1356482319.6875	2022-12-31 00:38:21.687500	2022-12-31 09:38:21.687500	10000	OBSERVATION	59.875	1.1657484	0.45567465	8.3749275	27.564444
183	1356482610.5625	2022-12-31 00:43:12.562500	2022-12-31 09:43:12.562500	10000	OBSERVATION	89.0	1.1021669	0.4803075	8.30604	27.334099
184	1356482943.6875	2022-12-31 00:48:45.687500	2022-12-31 09:48:45.687500	10000	OBSERVATION	92.625	1.1667917	0.4868836	8.238469	26.613312
185	1356482985.4375	2022-12-31 00:49:27.437500	2022-12-31 09:49:27.437500	110	ENGAGE_ALS_CARM	0.6875	0.3402602	0.1957761	0.007752984	0.02209827
186	1356483177.6875	2022-12-31 00:52:39.687500	2022-12-31 09:52:39.687500	10000	OBSERVATION	69.5	1.1112895	0.46207923	8.2841625	26.403625
187	1356483839.1875	2022-12-31 01:03:41.187500	2022-12-31 10:03:41.187500	10000	OBSERVATION	13.25	1.127225	0.4843227	8.595165	26.471626
188	1356484048.6875	2022-12-31 01:07:10.687500	2022-12-31 10:07:10.687500	10000	OBSERVATION	41.0	1.1002741	0.49267948	8.715326	27.188757
189	1356484330.9375	2022-12-31 01:11:52.937500	2022-12-31 10:11:52.937500	10000	OBSERVATION	59.25	1.1243997	0.4781604	8.766333	27.38102
190	1356484698.6875	2022-12-31 01:18:00.687500	2022-12-31 10:18:00.687500	10000	OBSERVATION	33.5	1.1500225	0.47538152	8.648384	27.741398
191	1356485023.4375	2022-12-31 01:23:25.437500	2022-12-31 10:23:25.437500	10000	OBSERVATION	95.625	1.1628373	0.4835954	8.421173	26.895836
192	1356485523.8125	2022-12-31 01:31:45.812500	2022-12-31 10:31:45.812500	10000	OBSERVATION	92.125	1.1649213	0.47397414	8.720068	28.085983
193	1356485831.8125	2022-12-31 01:36:53.812500	2022-12-31 10:36:53.812500	10000	OBSERVATION	66.125	1.1329272	0.48089683	8.280548	27.156872
194	1356485883.5625	2022-12-31 01:37:45.562500	2022-12-31 10:37:45.562500	100	ALS_XY_LOCKED	0.1875	0.22612372	0.12158397	0.005705363	0.02609599
195	1356485892.75	2022-12-31 01:37:54.750000	2022-12-31 10:37:54.750000	110	ENGAGE_ALS_CARM	0.125	0.27025834	0.1295788	0.011227126	0.003629337
196	1356486151.5625	2022-12-31 01:42:13.562500	2022-12-31 10:42:13.562500	10000	OBSERVATION	79.0	1.1379869	0.4790538	8.381525	26.910728
197	1356486372.4375	2022-12-31 01:45:54.437500	2022-12-31 10:45:54.437500	10000	OBSERVATION	46.25	1.1559489	0.48511028	8.272009	26.403038
198	1356486662.3125	2022-12-31 01:50:44.312500	2022-12-31 10:50:44.312500	10000	OBSERVATION	107.125	1.130976	0.46554807	8.477801	27.066444
199	1356486980.5625	2022-12-31 01:56:02.562500	2022-12-31 10:56:02.562500	10000	OBSERVATION	68.25	1.0675199	0.47150052	8.497501	27.742619
200	1356487235.1875	2022-12-31 02:00:17.187500	2022-12-31 11:00:17.187500	10000	OBSERVATION	62.0	1.1050448	0.4880792	8.4304695	27.741434
201	1356487520.1875	2022-12-31 02:05:02.187500	2022-12-31 11:05:02.187500	10000	OBSERVATION	60.125	1.1473868	0.47399765	8.636386	27.620815
202	1356487873.0625	2022-12-31 02:10:55.062500	2022-12-31 11:10:55.062500	10000	OBSERVATION	92.375	1.1594048	0.4570363	8.338198	26.876173
203	1356488109.6875	2022-12-31 02:14:51.687500	2022-12-31 11:14:51.687500	10000	OBSERVATION	42.375	1.109715	0.48067495	8.839907	26.829984
204	1356488375.6875	2022-12-31 02:19:17.687500	2022-12-31 11:19:17.687500	10000	OBSERVATION	36.625	1.1442921	0.4859861	8.7409725	29.310522
205	1356488618.4375	2022-12-31 02:23:20.437500	2022-12-31 11:23:20.437500	10000	OBSERVATION	30.125	1.1256267	0.49419892	8.536053	29.550892
206	1356488901.1875	2022-12-31 02:28:03.187500	2022-12-31 11:28:03.187500	10000	OBSERVATION	99.625	1.1615349	0.46870258	8.513517	28.300106
207	1356489187.0625	2022-12-31 02:32:49.062500	2022-12-31 11:32:49.062500	10000	OBSERVATION	65.25	1.1547484	0.47244892	8.570295	28.453075
208	1356489475.9375	2022-12-31 02:37:37.937500	2022-12-31 11:37:37.937500	10000	OBSERVATION	74.875	1.1513115	0.46660584	8.584667	27.83218
209	1356489724.5625	2022-12-31 02:41:46.562500	2022-12-31 11:41:46.562500	10000	OBSERVATION	45.75	1.1411383	0.50533426	8.715855	28.83215
210	1356490034.3125	2022-12-31 02:46:56.312500	2022-12-31 11:46:56.312500	10000	OBSERVATION	95.875	1.1221366	0.48547706	8.452569	28.125206
211	1356490289.9375	2022-12-31 02:51:11.937500	2022-12-31 11:51:11.937500	10000	OBSERVATION	48.375	1.1029392	0.48554802	8.389265	27.627789
212	1356490397.1875	2022-12-31 02:52:59.187500	2022-12-31 11:52:59.187500	100	ALS_XY_LOCKED	0.1875	0.2643209	0.13638242	0.0073055606	0.016672935
213	1356490568.5625	2022-12-31 02:55:50.562500	2022-12-31 11:55:50.562500	10000	OBSERVATION	50.5	1.1142935	0.45393345	8.637878	28.897995
214	1356490914.5625	2022-12-31 03:01:36.562500	2022-12-31 12:01:36.562500	10000	OBSERVATION	43.875	1.1727321	0.4880758	8.516719	28.618025
215	1356491332.4375	2022-12-31 03:08:34.437500	2022-12-31 12:08:34.437500	10000	OBSERVATION	33.5	1.1560287	0.45314658	8.597502	27.487848
216	1356491588.4375	2022-12-31 03:12:50.437500	2022-12-31 12:12:50.437500	10000	OBSERVATION	62.375	1.0970187	0.4628549	8.634321	28.475697
217	1356491924.8125	2022-12-31 03:18:26.812500	2022-12-31 12:18:26.812500	10000	OBSERVATION	121.625	1.0888375	0.46721107	8.370608	26.353762
218	1356492273.8125	2022-12-31 03:24:15.812500	2022-12-31 12:24:15.812500	10000	OBSERVATION	62.75	1.1344646	0.4738167	8.35528	27.75621
219	1356492883.1875	2022-12-31 03:34:25.187500	2022-12-31 12:34:25.187500	10000	OBSERVATION	98.25	1.1685684	0.46890917	8.192541	26.231335
220	1356493150.5625	2022-12-31 03:38:52.562500	2022-12-31 12:38:52.562500	10000	OBSERVATION	48.875	1.1018187	0.46704552	8.584015	29.264917
221	1356493464.5625	2022-12-31 03:44:06.562500	2022-12-31 12:44:06.562500	10000	OBSERVATION	121.0	1.1066613	0.47434068	8.349987	27.422178
222	1356493722.6875	2022-12-31 03:48:24.687500	2022-12-31 12:48:24.687500	10000	OBSERVATION	49.0	1.1117069	0.4811564	8.555607	28.266567
223	1356494100.1875	2022-12-31 03:54:42.187500	2022-12-31 12:54:42.187500	10000	OBSERVATION	33.375	1.1064866	0.47748584	8.781834	29.457228
224	1356494208.375	2022-12-31 03:56:30.375000	2022-12-31 12:56:30.375000	100	ALS_XY_LOCKED	0.1875	0.26730874	0.1338998	0.0054313494	0.0345965
225	1356494407.4375	2022-12-31 03:59:49.437500	2022-12-31 12:59:49.437500	10000	OBSERVATION	40.625	1.1126597	0.4776984	8.641077	29.536606
226	1356494936.0	2022-12-31 04:08:38	2022-12-31 13:08:38	10000	OBSERVATION	24.6875	1.1062952	0.48986635	8.896584	29.988194
227	1356495164.8125	2022-12-31 04:12:26.812500	2022-12-31 13:12:26.812500	10000	OBSERVATION	10.625	1.1007086	0.45892864	8.634817	29.69654
228	1356495325.5625	2022-12-31 04:15:07.562500	2022-12-31 13:15:07.562500	10000	OBSERVATION	9.625	1.0829588	0.49486604	8.639892	30.349867
229	1356495649.1875	2022-12-31 04:20:31.187500	2022-12-31 13:20:31.187500	10000	OBSERVATION	33.75	1.071369	0.4613535	8.4369335	28.549973
230	1356495855.1875	2022-12-31 04:23:57.187500	2022-12-31 13:23:57.187500	10000	OBSERVATION	27.625	1.1063045	0.4794041	8.707977	28.78048
231	1356496184.0625	2022-12-31 04:29:26.062500	2022-12-31 13:29:26.062500	10000	OBSERVATION	66.875	1.1119417	0.45798826	8.657988	27.991306
232	1356496437.4375	2022-12-31 04:33:39.437500	2022-12-31 13:33:39.437500	10000	OBSERVATION	32.5	1.072773	0.4797208	8.6786785	28.969612
233	1356496720.3125	2022-12-31 04:38:22.312500	2022-12-31 13:38:22.312500	10000	OBSERVATION	111.125	1.167202	0.45293587	8.489919	28.608765
234	1356496992.8125	2022-12-31 04:42:54.812500	2022-12-31 13:42:54.812500	10000	OBSERVATION	63.625	1.1051643	0.48535314	8.429159	28.0853
235	1356497413.1875	2022-12-31 04:49:55.187500	2022-12-31 13:49:55.187500	10000	OBSERVATION	71.5	1.145267	0.4607264	8.704312	28.456411
236	1356497524.6875	2022-12-31 04:51:46.687500	2022-12-31 13:51:46.687500	205	ENGAGE_FNC_XY	2.25	0.44679415	0.4632909	0.003609793	0.011723293
237	1356497806.4375	2022-12-31 04:56:28.437500	2022-12-31 13:56:28.437500	10000	OBSERVATION	142.375	1.1471945	0.4521121	8.501772	27.406677
238	1356498023.5625	2022-12-31 05:00:05.562500	2022-12-31 14:00:05.562500	10000	OBSERVATION	50.25	1.1328481	0.47889665	8.666419	28.683245
239	1356498394.4375	2022-12-31 05:06:16.437500	2022-12-31 14:06:16.437500	10000	OBSERVATION	60.75	1.1082125	0.45952874	8.652813	27.519455
240	1356498447.0625	2022-12-31 05:07:09.062500	2022-12-31 14:07:09.062500	100	ALS_XY_LOCKED	0.1875	0.2627806	0.11982448	0.0059731016	-0.0068679354
241	1356498720.4375	2022-12-31 05:11:42.437500	2022-12-31 14:11:42.437500	10000	OBSERVATION	101.125	1.1382	0.46674705	8.622266	28.309639
242	1356499073.6875	2022-12-31 05:17:35.687500	2022-12-31 14:17:35.687500	10000	OBSERVATION	97.25	1.1294955	0.46829814	8.714533	28.629744
243	1356499183.1875	2022-12-31 05:19:25.187500	2022-12-31 14:19:25.187500	110	ENGAGE_ALS_CARM	1.6875	0.33372444	0.25510547	0.0052246894	0.025209675
244	1356499192.125	2022-12-31 05:19:34.125000	2022-12-31 14:19:34.125000	100	ALS_XY_LOCKED	0.1875	0.27693227	0.121565074	0.023300074	-0.031409413
245	1356499393.1875	2022-12-31 05:22:55.187500	2022-12-31 14:22:55.187500	10000	OBSERVATION	30.625	1.1066463	0.48653406	8.34523	27.924849
246	1356499619.6875	2022-12-31 05:26:41.687500	2022-12-31 14:26:41.687500	10000	OBSERVATION	55.75	1.1201874	0.47509438	8.846857	29.868076
247	1356499856.0	2022-12-31 05:30:38	2022-12-31 14:30:38	10000	OBSERVATION	30.9375	1.0704887	0.47856542	8.509491	29.143232
248	1356499885.5	2022-12-31 05:31:07.500000	2022-12-31 14:31:07.500000	100	ALS_XY_LOCKED	0.1875	0.318179	0.11955634	0.003924717	-0.0073933
249	1356500063.8125	2022-12-31 05:34:05.812500	2022-12-31 14:34:05.812500	10000	OBSERVATION	58.625	1.1337057	0.47114167	8.601342	29.192667
250	1356500346.9375	2022-12-31 05:38:48.937500	2022-12-31 14:38:48.937500	10000	OBSERVATION	60.125	1.1457671	0.4524069	8.867533	

274	1356506849.8125	2022-12-31 07:27:11.812500	2022-12-31 16:27:11.812500	10000	OBSERVATION	55.25	1.1568205	0.48755544	8.557468	29.128834
275	1356506879.0625	2022-12-31 07:27:41.062500	2022-12-31 16:27:41.062500	100	ALS_XY_LOCKED	0.1875	0.41092232	0.16732347	0.008874901	0.005450525
276	1356507181.6875	2022-12-31 07:32:43.687500	2022-12-31 16:32:43.687500	10000	OBSERVATION	64.375	1.1377797	0.46715015	8.650593	28.118921
277	1356507423.5625	2022-12-31 07:36:45.562500	2022-12-31 16:36:45.562500	10000	OBSERVATION	16.875	1.0955343	0.47730905	8.706098	29.142689
278	1356507734.9375	2022-12-31 07:41:56.937500	2022-12-31 16:41:56.937500	10000	OBSERVATION	65.875	1.1745616	0.46835515	8.43996	28.415531
279	1356508033.9375	2022-12-31 07:46:55.937500	2022-12-31 16:46:55.937500	10000	OBSERVATION	19.0	1.146099	0.49759898	8.784803	29.27705
280	1356508212.5625	2022-12-31 07:49:54.562500	2022-12-31 16:49:54.562500	10000	OBSERVATION	15.4375	1.1377282	0.4803999	8.876729	29.980951
281	1356508412.3125	2022-12-31 07:53:14.312500	2022-12-31 16:53:14.312500	10000	OBSERVATION	59.125	1.1366757	0.47048753	8.390244	28.288414
282	1356508672.0625	2022-12-31 07:57:34.062500	2022-12-31 16:57:34.062500	10000	OBSERVATION	59.75	1.1215526	0.45089167	8.566173	28.09819
283	1356508892.0625	2022-12-31 08:01:14.062500	2022-12-31 17:01:14.062500	10000	OBSERVATION	59.125	1.1278732	0.4432853	8.567144	27.392189
284	1356509117.8125	2022-12-31 08:04:59.812500	2022-12-31 17:04:59.812500	10000	OBSERVATION	68.875	1.1255759	0.4890644	8.749952	28.622177
285	1356509546.8125	2022-12-31 08:12:08.812500	2022-12-31 17:12:08.812500	10000	OBSERVATION	82.5	1.1640322	0.5028735	8.760698	30.145544
286	1356509791.1875	2022-12-31 08:16:13.187500	2022-12-31 17:16:13.187500	10000	OBSERVATION	47.125	1.1482568	0.4842192	8.501244	29.066422
287	1356510104.8125	2022-12-31 08:21:26.812500	2022-12-31 17:21:26.812500	10000	OBSERVATION	54.75	1.0857618	0.47701436	8.415478	28.850975
288	1356510331.9375	2022-12-31 08:25:13.937500	2022-12-31 17:25:13.937500	10000	OBSERVATION	28.125	1.1018467	0.46322	8.659414	29.10292
289	1356510540.1875	2022-12-31 08:28:42.187500	2022-12-31 17:28:42.187500	10000	OBSERVATION	30.75	1.116489	0.46228117	8.66946	28.693972
290	1356510841.1875	2022-12-31 08:33:43.187500	2022-12-31 17:33:43.187500	10000	OBSERVATION	70.125	1.1089481	0.48066205	8.506996	28.184685
291	1356510929.5625	2022-12-31 08:35:11.562500	2022-12-31 17:35:11.562500	100	ALS_XY_LOCKED	0.1875	0.25038368	0.108150564	0.0041818484	0.0026397277
292	1356511173.9375	2022-12-31 08:39:15.937500	2022-12-31 17:39:15.937500	10000	OBSERVATION	78.125	1.1637126	0.47213012	8.5786915	29.20648
293	1356511538.4375	2022-12-31 08:45:20.437500	2022-12-31 17:45:20.437500	10000	OBSERVATION	127.0	1.1477941	0.47349256	8.325115	26.842937
294	1356511753.5625	2022-12-31 08:48:55.562500	2022-12-31 17:48:55.562500	10000	OBSERVATION	72.0	1.0947336	0.49805814	8.748205	28.35
295	1356512090.3125	2022-12-31 08:54:32.312500	2022-12-31 17:54:32.312500	10000	OBSERVATION	50.0	1.1277541	0.46310794	8.692099	27.574844
296	1356512120.6875	2022-12-31 08:55:02.687500	2022-12-31 17:55:02.687500	110	ENGAGE_ALS_CARM	0.1875	0.2740179	0.121164024	0.011170978	-0.004775976
297	1356512307.6875	2022-12-31 08:58:09.687500	2022-12-31 17:58:09.687500	10000	OBSERVATION	43.875	1.1188574	0.46457857	8.73324	27.477352
298	1356512415.9375	2022-12-31 08:59:57.937500	2022-12-31 17:59:57.937500	100	ALS_XY_LOCKED	0.1875	0.33661097	0.16805935	0.015802952	-0.0047248616
299	1356512697.6875	2022-12-31 09:04:39.687500	2022-12-31 18:04:39.687500	10000	OBSERVATION	88.75	1.1181507	0.4862363	8.660998	27.171955
300	1356512888.4375	2022-12-31 09:07:50.437500	2022-12-31 18:07:50.437500	10000	OBSERVATION	47.75	1.1245289	0.46069193	8.593441	27.838142
301	1356513197.3125	2022-12-31 09:12:59.312500	2022-12-31 18:12:59.312500	10000	OBSERVATION	77.0625	1.1430786	0.45804688	8.623577	25.957897
302	1356513525.8125	2022-12-31 09:18:27.812500	2022-12-31 18:18:27.812500	10000	OBSERVATION	85.75	1.1556373	0.4883815	8.505989	28.144463
303	1356513717.0625	2022-12-31 09:21:39.062500	2022-12-31 18:21:39.062500	10000	OBSERVATION	47.75	1.0757617	0.48077494	8.660157	28.759483
304	1356513970.4375	2022-12-31 09:25:52.437500	2022-12-31 18:25:52.437500	10000	OBSERVATION	49.875	1.1265552	0.47913694	8.360279	26.78004
305	1356514216.0625	2022-12-31 09:29:58.062500	2022-12-31 18:29:58.062500	10000	OBSERVATION	83.125	1.137339	0.4737711	8.411197	27.794827
306	1356514505.8125	2022-12-31 09:34:47.812500	2022-12-31 18:34:47.812500	10000	OBSERVATION	67.875	1.1592513	0.43432117	8.876043	27.47794
307	1356514871.6875	2022-12-31 09:40:53.687500	2022-12-31 18:40:53.687500	10000	OBSERVATION	37.5	1.1445231	0.48688596	8.845001	28.530035
308	1356515044.1875	2022-12-31 09:43:46.187500	2022-12-31 18:43:46.187500	10000	OBSERVATION	9.375	1.1032234	0.46257678	8.744524	28.200668
309	1356515317.9375	2022-12-31 09:48:19.937500	2022-12-31 18:48:19.937500	10000	OBSERVATION	25.0	1.1294066	0.43727955	8.744152	27.950264
310	1356515570.3125	2022-12-31 09:52:32.312500	2022-12-31 18:52:32.312500	10000	OBSERVATION	28.75	1.1737311	0.4656506	8.943903	28.589924
311	1356515780.8125	2022-12-31 09:56:02.812500	2022-12-31 18:56:02.812500	10000	OBSERVATION	9.375	1.1279498	0.4455334	8.761192	28.746845
312	1356516794.4375	2022-12-31 10:12:56.437500	2022-12-31 19:12:56.437500	10000	OBSERVATION	22.8125	1.0965061	0.44791383	8.426018	27.30629
313	1356517026.1875	2022-12-31 10:16:48.187500	2022-12-31 19:16:48.187500	10000	OBSERVATION	62.25	1.1565436	0.470403	8.868875	29.245707
314	1356517309.6875	2022-12-31 10:21:31.687500	2022-12-31 19:21:31.687500	10000	OBSERVATION	53.625	1.1330429	0.48666364	8.5594425	28.153652
315	1356517530.9375	2022-12-31 10:25:12.937500	2022-12-31 19:25:12.937500	10000	OBSERVATION	43.5	1.1235831	0.4826067	8.88652	29.18435
316	1356517846.1875	2022-12-31 10:30:28.187500	2022-12-31 19:30:28.187500	10000	OBSERVATION	14.25	1.115663	0.43665156	8.800292	28.113857
317	1356518037.0625	2022-12-31 10:33:39.062500	2022-12-31 19:33:39.062500	10000	OBSERVATION	39.375	1.1111386	0.4529292	8.712111	27.873306
318	1356518267.6875	2022-12-31 10:37:29.687500	2022-12-31 19:37:29.687500	10000	OBSERVATION	9.875	1.1226071	0.47467843	8.646175	28.32673
319	1356518542.6875	2022-12-31 10:42:04.687500	2022-12-31 19:42:04.687500	10000	OBSERVATION	13.875	1.1187258	0.47031298	8.651661	28.618933
320	1356518571.4375	2022-12-31 10:42:33.437500	2022-12-31 19:42:33.437500	100	ALS_XY_LOCKED	0.1875	0.24605829	0.115575284	0.013465282	0.013864048
321	1356518580.375	2022-12-31 10:42:42.375000	2022-12-31 19:42:42.375000	100	ALS_XY_LOCKED	0.1875	0.29352683	0.14891818	0.010512944	0.008392988
322	1356519016.4375	2022-12-31 10:49:58.437500	2022-12-31 19:49:58.437500	10000	OBSERVATION	72.375	1.1282789	0.4303436	8.560774	27.323994
323	1356519365.4375	2022-12-31 10:55:47.437500	2022-12-31 19:55:47.437500	10000	OBSERVATION	42.375	1.1103101	0.45236528	8.668386	28.212494
324	1356519573.5625	2022-12-31 10:59:15.562500	2022-12-31 19:59:15.562500	10000	OBSERVATION	57.25	1.1154501	0.4670679	8.5508585	27.271751
325	1356519786.9375	2022-12-31 11:02:48.937500	2022-12-31 20:02:48.937500	10000	OBSERVATION	1.625	1.1173989	0.4572769	8.069285	28.77742
326	1356519963.1875	2022-12-31 11:05:45.187500	2022-12-31 20:05:45.187500	10000	OBSERVATION	7.5	1.0647584	0.46909446	8.763329	28.048607
327	1356520129.0625	2022-12-31 11:08:31.062500	2022-12-31 20:08:31.062500	10000	OBSERVATION	25.5	1.1027764	0.48206204	8.566611	27.402859
328	1356520576.1875	2022-12-31 11:15:58.187500	2022-12-31 20:15:58.187500	10000	OBSERVATION	14.375	1.1181256	0.47777906	8.667345	27.634682
329	1356520849.3125	2022-12-31 11:20:31.312500	2022-12-31 20:20:31.312500	10000	OBSERVATION	57.625	1.1518403	0.4528265	8.404501	27.571022
330	1356520878.1875	2022-12-31 11:21:00.187500	2022-12-31 20:21:00.187500	100	ALS_XY_LOCKED	0.1875	0.23434156	0.11757171	0.0053915097	0.06438563
331	1356521164.4375	2022-12-31 11:25:46.437500	2022-12-31 20:25:46.437500	10000	OBSERVATION	18.0	1.1202528	0.46557218	8.780093	28.9119
332	1356521393.8125	2022-12-31 11:29:35.812500	2022-12-31 20:29:35.812500	10000	OBSERVATION	12.375	1.0573014	0.47474352	8.428974	27.457302
333	1356521503.5	2022-12-31 11:31:25.500000	2022-12-31 20:31:25.500000	100	ALS_XY_LOCKED	0.1875	0.25678673	0.13941187	0.0035116405	0.020619998
334	1356521821.125	2022-12-31 11:36:43.125000	2022-12-31 20:36:43.125000	10000	OBSERVATION	29.5625	1.1045127	0.48565093	8.599893	26.402145
335	1356522058.8125	2022-12-31 11:40:40.812500	2022-12-31 20:40:40.812500	10000	OBSERVATION	56.375	1.1004874	0.46594152	8.629366	27.403805
336	1356522270.9375	2022-12-31 11:44:12.937500	2022-12-31 20:44:12.937500	10000	OBSERVATION	2.25	1.095696	0.4392539	8.910774	28.868587
337	1356522359.125	2022-12-31 11:45:41.125000	2022-12-31 20:45:41.125000	100	ALS_XY_LOCKED	0.1875	0.26237607	0.110232525	0.004085491	0.011589212
338	1356522545.1875	2022-12-31 11:48:47.187500	2022-12-31 20:48:47.187500	10000	OBSERVATION	11.0	1.0885162	0.47478253	8.507344	26.801838
339	1356522832.1875	2022-12-31 11:53:34.187500	2022-12-31 20:53:34.187500	10000	OBSERVATION	108.75	1.1089737	0.48743394	8.697538	27.943508
340	1356523185.0625	2022-12-31 11:59:27.062500	2022-12-31 20:59:27.062500	10000	OBSERVATION	75.75	1.0529381	0.46447083	8.436699	28.1379
341	1356523373.0625	2022-12-31 12:02:35.062500	2022-12-31 21:02:35.062500	10000	OBSERVATION	18.75	1.1177984	0.46894222	8.781008	28.158756
342	1356523627.4375	2022-12-31 12:06:49.437500	2022-12-31 21:06:49.437500	10000	OBSERVATION	32.0	1.1275659	0.4		

366	1356528313.8125	2022-12-31 13:24:55.812500	2022-12-31 22:24:55.812500	10000	OBSERVATION	36.75	1.0989842	0.44450808	8.412658	26.925997
367	1356528518.8125	2022-12-31 13:28:20.812500	2022-12-31 22:28:20.812500	10000	OBSERVATION	7.0	1.0384134	0.46359146	8.5821085	27.456018
368	1356528761.1875	2022-12-31 13:32:23.187500	2022-12-31 22:32:23.187500	10000	OBSERVATION	13.875	1.0306159	0.4744725	8.534748	28.324093
369	1356528847.5	2022-12-31 13:33:49.500000	2022-12-31 22:33:49.500000	100	ALS_XY_LOCKED	0.1875	0.25226998	0.120116	0.009836385	0.0010833675
370	1356529008.0625	2022-12-31 13:36:30.062500	2022-12-31 22:36:30.062500	10000	OBSERVATION	17.875	1.089052	0.48637953	8.78221	29.287407
371	1356529224.8125	2022-12-31 13:40:06.812500	2022-12-31 22:40:06.812500	10000	OBSERVATION	56.75	1.0685236	0.466956	8.589878	27.72134
372	1356529526.6875	2022-12-31 13:45:08.687500	2022-12-31 22:45:08.687500	10000	OBSERVATION	13.25	1.0565856	0.4361914	8.506088	27.614601
373	1356529743.1875	2022-12-31 13:48:45.187500	2022-12-31 22:48:45.187500	10000	OBSERVATION	53.625	1.1088322	0.459791	8.522889	27.38824
374	1356530222.8125	2022-12-31 13:56:44.812500	2022-12-31 22:56:44.812500	10000	OBSERVATION	2.5	1.0878909	0.4516384	8.770565	28.020863
375	1356530304.75	2022-12-31 13:58:06.750000	2022-12-31 22:58:06.750000	100	ALS_XY_LOCKED	0.1875	0.3482006	0.20154543	0.008565022	0.092822604
376	1356530475.9375	2022-12-31 14:00:57.937500	2022-12-31 23:00:57.937500	10000	OBSERVATION	29.75	1.0011463	0.4844683	8.658226	28.532299
377	1356530737.9375	2022-12-31 14:05:19.937500	2022-12-31 23:05:19.937500	10000	OBSERVATION	63.25	1.1186831	0.4858436	8.393406	27.712135
378	1356530970.3125	2022-12-31 14:09:12.312500	2022-12-31 23:09:12.312500	10000	OBSERVATION	64.75	1.0599791	0.4745704	8.472834	27.621628
379	1356531238.8125	2022-12-31 14:13:40.812500	2022-12-31 23:13:40.812500	10000	OBSERVATION	20.625	1.0791713	0.42114118	8.768974	27.712624
380	1356531469.9375	2022-12-31 14:17:31.937500	2022-12-31 23:17:31.937500	10000	OBSERVATION	29.0	1.0323015	0.44238332	8.488543	29.053106
381	1356531750.3125	2022-12-31 14:22:12.312500	2022-12-31 23:22:12.312500	10000	OBSERVATION	40.125	1.1000407	0.4552685	8.438953	26.06593
382	1356532015.3125	2022-12-31 14:26:37.312500	2022-12-31 23:26:37.312500	10000	OBSERVATION	8.5	1.0677493	0.462349	8.719494	29.259422
383	1356532050.25	2022-12-31 14:27:12.250000	2022-12-31 23:27:12.250000	100	ALS_XY_LOCKED	0.1875	0.23893629	0.1136934	0.012012095	0.03917862
384	1356532220.3125	2022-12-31 14:30:02.312500	2022-12-31 23:30:02.312500	10000	OBSERVATION	31.5	1.0828984	0.47264528	8.816775	30.04184
385	1356532412.3125	2022-12-31 14:33:14.312500	2022-12-31 23:33:14.312500	10000	OBSERVATION	13.375	1.0709057	0.4458731	8.80135	30.21563
386	1356532503.4375	2022-12-31 14:34:45.437500	2022-12-31 23:34:45.437500	100	ALS_XY_LOCKED	0.1875	0.2537403	0.11611408	0.01486095	-0.00063513825
387	1356532686.6875	2022-12-31 14:37:48.687500	2022-12-31 23:37:48.687500	10000	OBSERVATION	41.75	1.0824986	0.4263382	8.200026	27.628166
388	1356532864.9375	2022-12-31 14:40:46.937500	2022-12-31 23:40:46.937500	10000	OBSERVATION	34.75	1.104934	0.4439327	8.32574	27.240528
389	1356532924.8125	2022-12-31 14:41:46.812500	2022-12-31 23:41:46.812500	100	ALS_XY_LOCKED	0.1875	0.27951497	0.16154054	0.0044022314	0.0060916804
390	1356533069.5625	2022-12-31 14:44:11.562500	2022-12-31 23:44:11.562500	10000	OBSERVATION	24.25	1.0642095	0.4497171	8.446907	27.329153
391	1356533317.4375	2022-12-31 14:48:19.437500	2022-12-31 23:48:19.437500	10000	OBSERVATION	32.25	1.0629315	0.4704704	8.515131	28.625673
392	1356533669.9375	2022-12-31 14:54:11.937500	2022-12-31 23:54:11.937500	10000	OBSERVATION	12.5	1.0761077	0.47744015	8.729501	29.69253
393	1356533868.9375	2022-12-31 14:57:30.937500	2022-12-31 23:57:30.937500	10000	OBSERVATION	37.875	1.0957048	0.47558498	8.434773	27.7584
394	1356534142.1875	2022-12-31 15:02:04.187500	2023-01-01 00:02:04.187500	10000	OBSERVATION	34.875	1.0988051	0.4455763	8.852183	28.116142
395	1356534321.9375	2022-12-31 15:05:03.937500	2023-01-01 00:05:03.937500	10000	OBSERVATION	32.0	1.0755061	0.45267308	8.507097	28.52187
396	1356534548.8125	2022-12-31 15:08:50.812500	2023-01-01 00:08:50.812500	10000	OBSERVATION	3.75	1.1153541	0.4522549	8.921747	29.864235
397	1356534951.1875	2022-12-31 15:15:33.187500	2023-01-01 00:15:33.187500	10000	OBSERVATION	101.75	1.1341078	0.45398688	8.850567	28.45803
398	1356535228.6875	2022-12-31 15:20:10.687500	2023-01-01 00:20:10.687500	10000	OBSERVATION	33.875	1.1293293	0.46598136	8.851165	29.193659
399	1356535320.6875	2022-12-31 15:21:42.687500	2023-01-01 00:21:42.687500	110	ENGAGE_ALS_CARM	3.3125	0.40344664	0.3754231	0.0018648116	-0.008794472
400	1356535515.8125	2022-12-31 15:24:57.812500	2023-01-01 00:24:57.812500	10000	OBSERVATION	53.75	1.0281951	0.4513752	8.487867	28.124683
401	1356535602.1875	2022-12-31 15:26:24.187500	2023-01-01 00:26:24.187500	100	ALS_XY_LOCKED	0.1875	0.26147193	0.12843533	0.00077433884	0.029246828
402	1356535796.4375	2022-12-31 15:29:38.437500	2023-01-01 00:29:38.437500	10000	OBSERVATION	59.75	1.0164293	0.46634907	8.413834	28.21737
403	1356536223.0625	2022-12-31 15:36:45.062500	2023-01-01 00:36:45.062500	10000	OBSERVATION	35.125	1.0744433	0.4397103	8.761436	28.445606
404	1356536467.3125	2022-12-31 15:40:49.312500	2023-01-01 00:40:49.312500	10000	OBSERVATION	17.75	1.0876014	0.46364197	8.6155815	29.105988
405	1356536700.6875	2022-12-31 15:44:42.687500	2023-01-01 00:44:42.687500	10000	OBSERVATION	17.875	1.1053823	0.4815394	8.614031	28.970005
406	1356536903.4375	2022-12-31 15:48:05.437500	2023-01-01 00:48:05.437500	10000	OBSERVATION	39.5	1.0604398	0.46953017	8.33449	28.088905
407	1356537136.8125	2022-12-31 15:51:58.812500	2023-01-01 00:51:58.812500	10000	OBSERVATION	10.125	1.0780423	0.45748374	8.742927	27.953768
408	1356537399.1875	2022-12-31 15:56:21.187500	2023-01-01 00:56:21.187500	10000	OBSERVATION	18.75	1.0931083	0.44657266	8.517571	27.422459
409	1356537625.1875	2022-12-31 16:00:07.187500	2023-01-01 01:00:07.187500	10000	OBSERVATION	19.875	1.0882282	0.47541848	8.714111	29.321102
410	1356537834.3125	2022-12-31 16:03:36.312500	2023-01-01 01:03:36.312500	10000	OBSERVATION	15.5	1.0887119	0.46956703	8.7753315	28.903477
411	1356538056.4375	2022-12-31 16:07:18.437500	2023-01-01 01:07:18.437500	10000	OBSERVATION	45.25	1.0782709	0.47689307	8.447376	28.560555
412	1356538253.6875	2022-12-31 16:10:35.687500	2023-01-01 01:10:35.687500	10000	OBSERVATION	16.625	1.1021438	0.46909112	8.581751	28.37474
413	1356538492.0625	2022-12-31 16:14:34.062500	2023-01-01 01:14:34.062500	10000	OBSERVATION	37.75	1.075606	0.46734378	8.413489	27.742477
414	1356538670.5625	2022-12-31 16:17:32.562500	2023-01-01 01:17:32.562500	10000	OBSERVATION	13.125	1.0616428	0.43246472	8.623553	28.51597
415	1356538919.5625	2022-12-31 16:21:41.562500	2023-01-01 01:21:41.562500	10000	OBSERVATION	19.75	1.0645313	0.4721624	8.740555	29.043215
416	1356539130.8125	2022-12-31 16:25:12.812500	2023-01-01 01:25:12.812500	10000	OBSERVATION	5.875	1.1154622	0.4633031	8.712492	28.471777
417	1356539235.5625	2022-12-31 16:26:57.562500	2023-01-01 01:26:57.562500	100	ALS_XY_LOCKED	0.1875	0.243244	0.13166118	0.0030697444	0.04606109
418	1356539248.8125	2022-12-31 16:27:10.812500	2023-01-01 01:27:10.812500	100	ALS_XY_LOCKED	0.1875	0.24163735	0.11654421	0.009244918	0.037176833
419	1356539452.5625	2022-12-31 16:30:34.562500	2023-01-01 01:30:34.562500	10000	OBSERVATION	64.0	1.1152709	0.482667	8.613922	28.60162
420	1356539631.5625	2022-12-31 16:33:33.562500	2023-01-01 01:33:33.562500	10000	OBSERVATION	21.875	1.0620749	0.47676104	8.637096	29.509556
421	1356539785.5625	2022-12-31 16:36:07.562500	2023-01-01 01:36:07.562500	10000	OBSERVATION	8.125	1.1069944	0.45169553	8.555435	29.227804
422	1356539841.0	2022-12-31 16:37:03	2023-01-01 01:37:03	100	ALS_XY_LOCKED	0.1875	0.24405554	0.13252448	0.010414949	0.024516497
423	1356540081.6875	2022-12-31 16:41:03.687500	2023-01-01 01:41:03.687500	10000	OBSERVATION	12.375	1.1012864	0.46591556	8.343989	28.07679
424	1356540288.3125	2022-12-31 16:44:30.312500	2023-01-01 01:44:30.312500	10000	OBSERVATION	15.125	1.1036913	0.4482188	8.753152	28.186895
425	1356540387.8125	2022-12-31 16:46:09.812500	2023-01-01 01:46:09.812500	100	ALS_XY_LOCKED	0.1875	0.23789516	0.11260523	0.014804954	-0.0043366505
426	1356540632.4375	2022-12-31 16:50:14.437500	2023-01-01 01:50:14.437500	10000	OBSERVATION	11.5	1.0213639	0.4685507	8.5788765	28.84166
427	1356540732.0625	2022-12-31 16:51:54.062500	2023-01-01 01:51:54.062500	100	ALS_XY_LOCKED	0.1875	0.23834948	0.11968605	0.007758823	0.02100295
428	1356540937.5625	2022-12-31 16:55:19.562500	2023-01-01 01:55:19.562500	10000	OBSERVATION	32.375	1.0291225	0.47986555	8.155436	26.425652
429	1356541093.9375	2022-12-31 16:57:55.937500	2023-01-01 01:57:55.937500	10000	OBSERVATION	10.125	1.0430486	0.44508147	8.673141	28.136007
430	1356541340.1875	2022-12-31 17:02:02.187500	2023-01-01 02:02:02.187500	10000	OBSERVATION	27.5	1.1069419	0.4511961	8.603613	27.69431
431	1356541512.5625	2022-12-31 17:04:54.562500	2023-01-01 02:04:54.562500	10000	OBSERVATION	7.375	1.0795232	0.46518847	8.751543	28.770243
432	1356541769.5625	2022-12-31 17:09:11.562500	2023-01-01 02:09:11.562500	10000	OBSERVATION	30.875	1.0766555	0.44449282	8.618259	28.247164
433	1356542240.8125	2022-12-31 17:17:02.812500	2023-01-01 02:17:02.812500	10000	OBSERVATION	15.25	1.1148542	0.45380002	8.508064	27.939413
434	1356542468.0625	2022-12-31 17:20:50.062500	2023-01-01 02:20:50.062500	10000	OBSERVATION	50.625	1.0605607	0.43942493	8.530603</	

458	1356547573.6875	2022-12-31 18:45:55.687500	2023-01-01 03:45:55.687500	10000	OBSERVATION	34.625	1.1249863	0.4738832	8.699526	29.446404
459	1356547928.1875	2022-12-31 18:51:50.187500	2023-01-01 03:51:50.187500	10000	OBSERVATION	51.5	1.1168634	0.46744135	8.585386	27.80765
460	1356548675.3125	2022-12-31 19:04:17.312500	2023-01-01 04:04:17.312500	10000	OBSERVATION	16.625	1.089633	0.45291942	8.658185	28.831383
461	1356548868.6875	2022-12-31 19:07:30.687500	2023-01-01 04:07:30.687500	10000	OBSERVATION	7.75	1.0469028	0.45562795	8.522455	27.75313
462	1356549089.3125	2022-12-31 19:11:11.312500	2023-01-01 04:11:11.312500	10000	OBSERVATION	9.625	1.0519999	0.4693428	8.776872	29.743969
463	1356549359.3125	2022-12-31 19:15:41.312500	2023-01-01 04:15:41.312500	10000	OBSERVATION	18.875	1.0795462	0.44911858	8.790789	28.547926
464	1356549714.3125	2022-12-31 19:21:36.312500	2023-01-01 04:21:36.312500	10000	OBSERVATION	58.5	1.0674603	0.46382323	8.373162	27.362766
465	1356549981.5625	2022-12-31 19:26:03.562500	2023-01-01 04:26:03.562500	10000	OBSERVATION	19.125	1.0444561	0.4384208	8.437054	27.761654
466	1356550259.1875	2022-12-31 19:30:41.187500	2023-01-01 04:30:41.187500	10000	OBSERVATION	6.25	1.049115	0.4599026	8.702664	29.05323
467	1356550473.0625	2022-12-31 19:34:15.062500	2023-01-01 04:34:15.062500	10000	OBSERVATION	4.375	1.0606048	0.43794492	8.710573	29.513626
468	1356550708.3125	2022-12-31 19:38:10.312500	2023-01-01 04:38:10.312500	10000	OBSERVATION	12.0	1.0791823	0.4618908	8.468069	28.29253
469	1356550938.3125	2022-12-31 19:42:00.312500	2023-01-01 04:42:00.312500	10000	OBSERVATION	10.875	1.0689027	0.46281898	8.432504	29.202469
470	1356550966.3125	2022-12-31 19:42:28.312500	2023-01-01 04:42:28.312500	110	ENGAGE_ALS_CARM	0.3125	0.32254994	0.14251733	0.00015388505	-2.6877038E-05
471	1356551209.3125	2022-12-31 19:46:31.312500	2023-01-01 04:46:31.312500	10000	OBSERVATION	17.5	1.1063263	0.45455128	8.661337	28.745697
472	1356551469.6875	2022-12-31 19:50:51.687500	2023-01-01 04:50:51.687500	10000	OBSERVATION	65.875	1.1341975	0.48837712	8.59204	28.955107
473	1356551717.1875	2022-12-31 19:54:59.187500	2023-01-01 04:54:59.187500	10000	OBSERVATION	50.875	1.0942353	0.45445287	8.834141	28.912712
474	1356552042.5	2022-12-31 20:00:24.500000	2023-01-01 05:00:24.500000	10000	OBSERVATION	17.4375	1.0677444	0.44524485	8.862589	30.23713
475	1356552198.125	2022-12-31 20:03:00.125000	2023-01-01 05:03:00.125000	10000	OBSERVATION	7.4375	1.0731335	0.46264392	8.592432	28.431793
476	1356552380.5625	2022-12-31 20:06:02.562500	2023-01-01 05:06:02.562500	10000	OBSERVATION	25.0	0.99523103	0.4596328	8.428175	28.490515
477	1356552738.0625	2022-12-31 20:12:00.062500	2023-01-01 05:12:00.062500	10000	OBSERVATION	28.5	1.059423	0.48448542	8.66312	29.389189
478	1356552997.1875	2022-12-31 20:16:19.187500	2023-01-01 05:16:19.187500	10000	OBSERVATION	10.125	1.092863	0.48095864	8.721649	28.67014
479	1356553323.8125	2022-12-31 20:21:45.812500	2023-01-01 05:21:45.812500	10000	OBSERVATION	7.25	1.0660675	0.45669973	8.704077	28.920483
480	1356553490.3125	2022-12-31 20:24:32.312500	2023-01-01 05:24:32.312500	10000	OBSERVATION	7.75	1.0898097	0.44504103	8.621195	28.72895
481	1356553745.625	2022-12-31 20:28:47.625000	2023-01-01 05:28:47.625000	10000	OBSERVATION	5.3125	1.1353024	0.45945987	8.469818	28.736694
482	1356553987.0625	2022-12-31 20:32:49.062500	2023-01-01 05:32:49.062500	10000	OBSERVATION	8.75	1.0852064	0.43734872	8.586648	29.711369
483	1356554359.4375	2022-12-31 20:39:01.437500	2023-01-01 05:39:01.437500	10000	OBSERVATION	13.0	1.0876493	0.44919908	8.583326	28.293903
484	1356554412.1875	2022-12-31 20:39:54.187500	2023-01-01 05:39:54.187500	100	ALS_XY_LOCKED	0.1875	0.27086496	0.11006105	0.005088869	0.0021595943
485	1356554599.0625	2022-12-31 20:43:01.062500	2023-01-01 05:43:01.062500	10000	OBSERVATION	67.0	1.0846308	0.454807	8.498429	27.942335
486	1356554870.1875	2022-12-31 20:47:32.187500	2023-01-01 05:47:32.187500	10000	OBSERVATION	13.625	1.1054556	0.46421018	8.565477	28.639637
487	1356555113.0625	2022-12-31 20:51:35.062500	2023-01-01 05:51:35.062500	10000	OBSERVATION	44.25	1.0602782	0.4562737	8.579823	27.74724
488	1356555292.4375	2022-12-31 20:54:34.437500	2023-01-01 05:54:34.437500	10000	OBSERVATION	19.8125	1.051425	0.4532125	8.704226	28.209536
489	1356555533.6875	2022-12-31 20:58:35.687500	2023-01-01 05:58:35.687500	10000	OBSERVATION	5.625	1.0473664	0.4508137	8.741582	28.588787
490	1356555764.4375	2022-12-31 21:02:26.437500	2023-01-01 06:02:26.437500	10000	OBSERVATION	11.875	1.0417222	0.4782246	8.617544	28.469181
491	1356555956.3125	2022-12-31 21:05:38.312500	2023-01-01 06:05:38.312500	10000	OBSERVATION	5.125	1.0158836	0.4526301	8.681554	28.426985
492	1356556235.1875	2022-12-31 21:10:17.187500	2023-01-01 06:10:17.187500	10000	OBSERVATION	19.875	1.0190145	0.458613	8.609548	28.2283
493	1356556447.5625	2022-12-31 21:13:49.562500	2023-01-01 06:13:49.562500	10000	OBSERVATION	20.0	1.0943547	0.4698859	8.667196	28.7243
494	1356556728.5625	2022-12-31 21:18:30.562500	2023-01-01 06:18:30.562500	10000	OBSERVATION	29.75	1.0816535	0.44564825	8.494698	28.796808
495	1356557075.5625	2022-12-31 21:24:17.562500	2023-01-01 06:24:17.562500	10000	OBSERVATION	5.875	1.0763066	0.45024538	8.834487	29.476994
496	1356557298.6875	2022-12-31 21:28:00.687500	2023-01-01 06:28:00.687500	10000	OBSERVATION	3.625	1.0144696	0.44537133	8.641724	28.45964
497	1356557528.0625	2022-12-31 21:31:50.062500	2023-01-01 06:31:50.062500	10000	OBSERVATION	26.25	1.0811149	0.44633877	8.602123	27.443491
498	1356557755.8125	2022-12-31 21:35:37.812500	2023-01-01 06:35:37.812500	10000	OBSERVATION	34.8125	1.1108757	0.46625498	8.645798	28.125624
499	1356557806.6875	2022-12-31 21:36:28.687500	2023-01-01 06:36:28.687500	100	ALS_XY_LOCKED	0.1875	0.25679287	0.11938068	0.006111102	0.0127337
500	1356557951.4375	2022-12-31 21:38:53.437500	2023-01-01 06:38:53.437500	10000	OBSERVATION	21.625	1.0681708	0.44634715	8.7342615	27.716578
501	1356558202.4375	2022-12-31 21:43:04.437500	2023-01-01 06:43:04.437500	10000	OBSERVATION	26.75	1.1196663	0.4387885	8.618249	26.795319
502	1356558374.6875	2022-12-31 21:45:56.687500	2023-01-01 06:45:56.687500	10000	OBSERVATION	14.0	1.0977421	0.4522588	8.700226	28.255814
503	1356558556.5625	2022-12-31 21:48:58.562500	2023-01-01 06:48:58.562500	10000	OBSERVATION	22.625	1.0625954	0.4646133	8.638264	28.483093
504	1356558755.8125	2022-12-31 21:52:17.812500	2023-01-01 06:52:17.812500	10000	OBSERVATION	23.25	1.1203289	0.46641594	8.725811	28.638903
505	1356558986.6875	2022-12-31 21:56:08.687500	2023-01-01 06:56:08.687500	10000	OBSERVATION	47.375	1.0640364	0.4833511	8.618031	28.206135
506	1356559213.4375	2022-12-31 21:59:55.437500	2023-01-01 06:59:55.437500	10000	OBSERVATION	4.875	1.0023043	0.45886862	8.637259	28.378473
507	1356559428.9375	2022-12-31 22:03:30.937500	2023-01-01 07:03:30.937500	10000	OBSERVATION	14.375	1.0559683	0.44786346	8.747311	27.316399
508	1356559586.1875	2022-12-31 22:06:08.187500	2023-01-01 07:06:08.187500	10000	OBSERVATION	9.4375	1.0055897	0.4500913	8.529125	28.117298
509	1356559788.6875	2022-12-31 22:09:30.687500	2023-01-01 07:09:30.687500	10000	OBSERVATION	10.75	1.0199407	0.4721916	8.674544	27.441486
510	1356560010.0	2022-12-31 22:13:12	2023-01-01 07:13:12	10000	OBSERVATION	18.5625	1.0485216	0.45983216	8.713465	28.6776
511	1356560161.3125	2022-12-31 22:15:43.312500	2023-01-01 07:15:43.312500	10000	OBSERVATION	5.375	1.0491765	0.4405654	8.791447	28.68436
512	1356560405.125	2022-12-31 22:19:47.125000	2023-01-01 07:19:47.125000	10000	OBSERVATION	9.8125	1.0820688	0.47361574	8.7252445	29.036312
513	1356560620.6875	2022-12-31 22:23:22.687500	2023-01-01 07:23:22.687500	10000	OBSERVATION	26.0	1.0946403	0.46564272	8.533117	27.198486
514	1356560654.875	2022-12-31 22:23:56.875000	2023-01-01 07:23:56.875000	100	ALS_XY_LOCKED	0.1875	0.4091428	0.23821323	0.0051341513	0.019637575
515	1356560839.5625	2022-12-31 22:27:01.562500	2023-01-01 07:27:01.562500	10000	OBSERVATION	14.25	1.0517068	0.43931448	8.518997	28.095661
516	1356561059.5	2022-12-31 22:30:41.500000	2023-01-01 07:30:41.500000	10000	OBSERVATION	28.4375	1.1018674	0.44389123	8.958546	29.111178
517	1356561330.8125	2022-12-31 22:35:12.812500	2023-01-01 07:35:12.812500	10000	OBSERVATION	2.75	1.1147475	0.4240826	8.714216	28.784721
518	1356561662.6875	2022-12-31 22:40:44.687500	2023-01-01 07:40:44.687500	10000	OBSERVATION	22.25	1.0764325	0.46248078	8.792509	27.861166
519	1356561894.6875	2022-12-31 22:44:36.687500	2023-01-01 07:44:36.687500	10000	OBSERVATION	17.0625	1.0526245	0.43667036	8.540075	26.265701
520	1356562138.5625	2022-12-31 22:48:40.562500	2023-01-01 07:48:40.562500	10000	OBSERVATION	16.5	1.079415	0.4197893	8.917977	27.90176
521	1356562351.3125	2022-12-31 22:52:13.312500	2023-01-01 07:52:13.312500	10000	OBSERVATION	10.25	1.0638251	0.46632072	8.6321945	28.927923
522	1356562567.8125	2022-12-31 22:55:49.812500	2023-01-01 07:55:49.812500	10000	OBSERVATION	2.625	1.0405543	0.44677734	8.807967	27.722622
523	1356562801.3125	2022-12-31 22:59:43.312500	2023-01-01 07:59:43.312500	10000	OBSERVATION	11.625	1.0421778	0.46811622	8.780273	28.751947
524	1356563126.375	2022-12-31 23:05:08.375000	2023-01-01 08:05:08.375000	10000	OBSERVATION	78.9375	1.0551125	0.47597206	8.663532	28.409508
525	1356563286.9375	2022-12-31 23:07:48.937500	2023-01-01 08:07:48.937500	10000	OBSERVATION	21.625	1.0681427	0.45378065	8.790986	28.600649
526	1356563543.4375	2022-12-31 23:12:05.437500	2023-01-01 08:12:05.437500	10000	OBSERVATION	19.125	1.0758601	0.4223475	8.89093	28.006615
527	1356563773.									

550	1356580411.4375	2023-01-01 03:53:13.437500	2023-01-01 12:53:13.437500	10000	OBSERVATION	122.5	1.1127477	0.44774535	8.607315	27.452372
551	1356580721.4375	2023-01-01 03:58:23.437500	2023-01-01 12:58:23.437500	10000	OBSERVATION	115.6875	1.0927567	0.45459613	8.377821	27.008121
552	1356581197.4375	2023-01-01 04:06:19.437500	2023-01-01 13:06:19.437500	10000	OBSERVATION	203.75	1.117935	0.428374	8.374543	28.015568
553	1356581656.0625	2023-01-01 04:13:58.062500	2023-01-01 13:13:58.062500	10000	OBSERVATION	158.875	1.1325835	0.47119308	8.021949	26.8307
554	1356581962.5625	2023-01-01 04:19:04.562500	2023-01-01 13:19:04.562500	10000	OBSERVATION	132.0625	1.0779425	0.45353207	8.005426	26.227953
555	1356582342.0625	2023-01-01 04:25:24.062500	2023-01-01 13:25:24.062500	10000	OBSERVATION	109.0	1.1160166	0.45645767	8.157692	27.069183
556	1356582729.6875	2023-01-01 04:31:51.687500	2023-01-01 13:31:51.687500	10000	OBSERVATION	227.0	1.0806546	0.45451424	8.321605	27.994839
557	1356583191.6875	2023-01-01 04:39:33.687500	2023-01-01 13:39:33.687500	10000	OBSERVATION	190.25	1.1235251	0.4034462	8.6967125	27.024223
558	1356583560.6875	2023-01-01 04:45:42.687500	2023-01-01 13:45:42.687500	10000	OBSERVATION	98.375	1.124877	0.4275896	8.3643265	27.97145
559	1356584050.6875	2023-01-01 04:53:52.687500	2023-01-01 13:53:52.687500	10000	OBSERVATION	161.5	1.1165142	0.43046123	8.454181	27.663242
560	1356584369.8125	2023-01-01 04:59:11.812500	2023-01-01 13:59:11.812500	10000	OBSERVATION	109.875	1.11993	0.46245682	8.420987	26.732605
561	1356584838.8125	2023-01-01 05:07:00.812500	2023-01-01 14:07:00.812500	10000	OBSERVATION	118.625	1.1207628	0.43063483	8.206396	26.29229
562	1356585183.5625	2023-01-01 05:12:45.562500	2023-01-01 14:12:45.562500	10000	OBSERVATION	113.25	1.1156385	0.42576435	8.233656	26.9816
563	1356585516.3125	2023-01-01 05:18:18.312500	2023-01-01 14:18:18.312500	10000	OBSERVATION	141.3125	1.0996785	0.44446564	8.34955	26.706808
564	1356585593.6875	2023-01-01 05:19:35.687500	2023-01-01 14:19:35.687500	100	ALS_XY_LOCKED	0.1875	0.24981397	0.11694979	0.017773366	0.0068884315
565	1356585939.6875	2023-01-01 05:25:21.687500	2023-01-01 14:25:21.687500	10000	OBSERVATION	178.0625	1.0986903	0.4364987	8.406984	26.93694
566	1356586269.5625	2023-01-01 05:30:51.562500	2023-01-01 14:30:51.562500	10000	OBSERVATION	102.625	1.039057	0.4526199	8.244017	27.28268
567	1356586305.625	2023-01-01 05:31:27.625000	2023-01-01 14:31:27.625000	100	ALS_XY_LOCKED	0.1875	0.25684288	0.10007855	0.008980139	0.009393141
568	1356586654.1875	2023-01-01 05:37:16.187500	2023-01-01 14:37:16.187500	10000	OBSERVATION	133.25	1.1116325	0.40016967	8.335989	26.3702
569	1356587028.1875	2023-01-01 05:43:30.187500	2023-01-01 14:43:30.187500	10000	OBSERVATION	180.25	1.0890874	0.44615042	8.421319	27.132599
570	1356587377.375	2023-01-01 05:49:19.375000	2023-01-01 14:49:19.375000	10000	OBSERVATION	167.75	1.0607209	0.46388388	8.305473	26.792372
571	1356587714.4375	2023-01-01 05:54:56.437500	2023-01-01 14:54:56.437500	10000	OBSERVATION	82.25	1.117293	0.48518458	8.373672	27.97582
572	1356588106.0625	2023-01-01 06:01:28.062500	2023-01-01 15:01:28.062500	10000	OBSERVATION	168.0	1.11582	0.4577726	8.448875	27.225517
573	1356588412.5625	2023-01-01 06:06:34.562500	2023-01-01 15:06:34.562500	10000	OBSERVATION	99.25	1.0790734	0.44910294	8.225319	27.839321
574	1356588758.9375	2023-01-01 06:12:20.937500	2023-01-01 15:12:20.937500	10000	OBSERVATION	118.875	1.0357517	0.45121223	8.243408	27.682106
575	1356589028.1875	2023-01-01 06:16:50.187500	2023-01-01 15:16:50.187500	10000	OBSERVATION	64.6875	1.0817574	0.45397896	8.5162325	28.19521
576	1356589427.3125	2023-01-01 06:23:29.312500	2023-01-01 15:23:29.312500	10000	OBSERVATION	144.875	1.1154963	0.45899692	8.368315	27.869406
577	1356589709.9375	2023-01-01 06:28:11.937500	2023-01-01 15:28:11.937500	10000	OBSERVATION	113.0	1.0890996	0.4451193	8.2805	27.780174
578	1356590010.0625	2023-01-01 06:33:12.062500	2023-01-01 15:33:12.062500	10000	OBSERVATION	75.875	1.0445521	0.44997135	8.418387	27.154987
579	1356590358.9375	2023-01-01 06:39:00.937500	2023-01-01 15:39:00.937500	10000	OBSERVATION	200.875	1.0567039	0.41288418	8.41324	27.497284
580	1356590787.5625	2023-01-01 06:46:09.562500	2023-01-01 15:46:09.562500	10000	OBSERVATION	115.875	1.090374	0.44943562	8.392376	28.38334
581	1356591090.5625	2023-01-01 06:51:12.562500	2023-01-01 15:51:12.562500	10000	OBSERVATION	120.375	1.0460657	0.44752815	8.1483	28.42952
582	1356591506.8125	2023-01-01 06:58:08.812500	2023-01-01 15:58:08.812500	10000	OBSERVATION	180.0625	1.1001102	0.4600426	8.1558695	27.025227
583	1356591731.4375	2023-01-01 07:01:53.437500	2023-01-01 16:01:53.437500	10000	OBSERVATION	17.625	1.0844053	0.44786263	9.016964	30.268303
584	1356591802.0	2023-01-01 07:03:04	2023-01-01 16:03:04	100	ALS_XY_LOCKED	0.1875	0.27572095	0.111520454	0.015978415	0.019212656
585	1356591974.6875	2023-01-01 07:05:56.687500	2023-01-01 16:05:56.687500	10000	OBSERVATION	55.125	1.0529399	0.42784813	8.334478	30.041931
586	1356592217.3125	2023-01-01 07:09:59.312500	2023-01-01 16:09:59.312500	10000	OBSERVATION	81.75	1.0849352	0.44945014	8.470679	30.860086
587	1356592483.5625	2023-01-01 07:14:25.562500	2023-01-01 16:14:25.562500	10000	OBSERVATION	103.125	1.1139071	0.45584643	7.533428	27.660894
588	1356592519.5625	2023-01-01 07:15:01.562500	2023-01-01 16:15:01.562500	100	ALS_XY_LOCKED	0.1875	0.24873728	0.100595415	0.0051149474	-0.006962208
589	1356593008.9375	2023-01-01 07:23:10.937500	2023-01-01 16:23:10.937500	10000	OBSERVATION	133.625	1.083852	0.4272051	8.12602	29.5715
590	1356593311.8125	2023-01-01 07:28:13.812500	2023-01-01 16:28:13.812500	10000	OBSERVATION	113.6875	1.0481713	0.46171412	8.037144	29.643696
591	1356593654.9375	2023-01-01 07:33:56.937500	2023-01-01 16:33:56.937500	10000	OBSERVATION	147.1875	1.0393227	0.46503603	7.8882074	29.038063
592	1356593943.6875	2023-01-01 07:38:45.687500	2023-01-01 16:38:45.687500	10000	OBSERVATION	118.6875	1.0491284	0.46180168	8.212564	29.733406
593	1356594037.5	2023-01-01 07:40:19.500000	2023-01-01 16:40:19.500000	100	ALS_XY_LOCKED	0.1875	0.23408589	0.11331819	0.027658952	-0.0012396388
594	1356594376.5625	2023-01-01 07:45:58.562500	2023-01-01 16:45:58.562500	10000	OBSERVATION	71.75	1.058386	0.46464747	8.143775	29.184666
595	1356594647.0625	2023-01-01 07:50:29.062500	2023-01-01 16:50:29.062500	10000	OBSERVATION	63.75	1.0207942	0.44296575	7.7911305	28.415756
596	1356595183.1875	2023-01-01 07:59:25.187500	2023-01-01 16:59:25.187500	10000	OBSERVATION	81.375	1.0628691	0.4390827	8.131632	29.824614
597	1356595492.6875	2023-01-01 08:04:34.687500	2023-01-01 17:04:34.687500	10000	OBSERVATION	85.125	1.0915569	0.44342646	7.863429	29.38618
598	1356595757.9375	2023-01-01 08:08:59.937500	2023-01-01 17:08:59.937500	10000	OBSERVATION	58.75	1.025487	0.45235637	8.389687	30.065784
599	1356596089.1875	2023-01-01 08:14:31.187500	2023-01-01 17:14:31.187500	10000	OBSERVATION	144.875	1.0663269	0.4413035	8.083618	29.525456
600	1356596412.6875	2023-01-01 08:19:54.687500	2023-01-01 17:19:54.687500	10000	OBSERVATION	159.5	1.1242514	0.46335334	7.9634995	30.235683
601	1356596448.1875	2023-01-01 08:20:30.187500	2023-01-01 17:20:30.187500	100	ALS_XY_LOCKED	0.1875	0.25139025	0.14316152	0.0035322437	-0.013102571
602	1356596709.6875	2023-01-01 08:24:51.687500	2023-01-01 17:24:51.687500	10000	OBSERVATION	109.5	1.0530403	0.4422105	7.9278936	30.229553
603	1356597053.1875	2023-01-01 08:30:35.187500	2023-01-01 17:30:35.187500	10000	OBSERVATION	92.125	1.0263562	0.46064687	8.266771	29.356659
604	1356597306.5625	2023-01-01 08:34:48.562500	2023-01-01 17:34:48.562500	10000	OBSERVATION	74.125	1.0128005	0.4397494	7.90845	28.065767
605	1356597582.6875	2023-01-01 08:39:24.687500	2023-01-01 17:39:24.687500	10000	OBSERVATION	78.5	1.0443747	0.4357815	7.9835515	29.21842
606	1356597618.1875	2023-01-01 08:40:00.187500	2023-01-01 17:40:00.187500	100	ALS_XY_LOCKED	0.1875	0.25492364	0.10818691	0.0138425045	0.011265837
607	1356597951.5625	2023-01-01 08:45:33.562500	2023-01-01 17:45:33.562500	10000	OBSERVATION	161.375	1.1071846	0.44958967	8.14415	29.127297
608	1356598300.3125	2023-01-01 08:51:22.312500	2023-01-01 17:51:22.312500	10000	OBSERVATION	100.0	1.087822	0.46154052	8.093478	28.595936
609	1356598677.5625	2023-01-01 08:57:39.562500	2023-01-01 17:57:39.562500	10000	OBSERVATION	173.875	1.0592892	0.45039502	7.985161	29.574057
610	1356599072.5625	2023-01-01 09:04:14.562500	2023-01-01 18:04:14.562500	10000	OBSERVATION	157.875	1.0601482	0.44508773	7.7302523	27.96959
611	1356599310.0625	2023-01-01 09:08:12.062500	2023-01-01 18:08:12.062500	10000	OBSERVATION	78.75	1.0694541	0.44354632	7.886767	28.611706
612	1356599583.0625	2023-01-01 09:12:45.062500	2023-01-01 18:12:45.062500	10000	OBSERVATION	77.6875	1.066078	0.43448052	7.9615045	27.652609
613	1356599945.5625	2023-01-01 09:18:47.562500	2023-01-01 18:18:47.562500	10000	OBSERVATION	83.4375	1.0743523	0.3970946	8.128853	28.542152
614	1356600391.4375	2023-01-01 09:26:13.437500	2023-01-01 18:26:13.437500	10000	OBSERVATION	209.9375	1.0685912	0.44648802	8.016167	28.932358
615	1356600751.3125	2023-01-01 09:32:13.312500	2023-01-01 18:32:13.312500	10000	OBSERVATION	127.0	1.0867171	0.4535052	8.025339	29.633633
616	1356600785.5625	2023-01-01 09:32:47.562500	2023-01-01 18:32:47.562500	100	ALS_XY_LOCKED	0.1875	0.3332104	0.1647515	0.011976214	0.014540899
617	1356601071.5625	2023-01-01 09:37:33.562500	2023-01-01 18:37:33.562500	10000	OBSERVATION	131.5	1.0782024	0.4534763	7.971133	27.65404
618	1356601354.8125	2023-01-01 09:42:16.812500	2023-01-01 18:42:16.812500	10000	OBSERVATION					

642	1356607559.3125	2023-01-01 11:25:41.312500	2023-01-01 20:25:41.312500	10000	OBSERVATION	180.0	0.9741325	0.4116237	8.063247	28.430841
643	1356607596.375	2023-01-01 11:26:18.375000	2023-01-01 20:26:18.375000	100	ALS_XY_LOCKED	0.1875	0.34904444	0.22621877	0.007792007	0.011421469
644	1356608080.6875	2023-01-01 11:34:22.687500	2023-01-01 20:34:22.687500	10000	OBSERVATION	144.375	1.1109629	0.44797054	7.7222166	28.678892
645	1356608413.0625	2023-01-01 11:39:55.062500	2023-01-01 20:39:55.062500	10000	OBSERVATION	152.375	1.099725	0.43741527	7.78369	28.941978
646	1356608801.3125	2023-01-01 11:46:23.312500	2023-01-01 20:46:23.312500	10000	OBSERVATION	132.5	1.0591259	0.44732484	7.8978577	28.235493
647	1356609122.0625	2023-01-01 11:51:44.062500	2023-01-01 20:51:44.062500	10000	OBSERVATION	176.875	1.078458	0.4215545	7.8361683	28.46064
648	1356609401.4375	2023-01-01 11:56:23.437500	2023-01-01 20:56:23.437500	10000	OBSERVATION	58.5	1.0863886	0.44636637	7.79736	28.373985
649	1356609681.4375	2023-01-01 12:01:03.437500	2023-01-01 21:01:03.437500	10000	OBSERVATION	68.375	1.0606965	0.44963366	8.56368	29.884636
650	1356609936.9375	2023-01-01 12:05:18.937500	2023-01-01 21:05:18.937500	10000	OBSERVATION	84.375	1.0873334	0.44080967	7.9699697	28.239206
651	1356610231.3125	2023-01-01 12:10:13.312500	2023-01-01 21:10:13.312500	10000	OBSERVATION	90.25	1.0370765	0.45230526	8.085456	28.486586
652	1356610537.8125	2023-01-01 12:15:19.812500	2023-01-01 21:15:19.812500	10000	OBSERVATION	148.375	1.081756	0.41370222	8.1836605	28.261936
653	1356610833.9375	2023-01-01 12:20:15.937500	2023-01-01 21:20:15.937500	10000	OBSERVATION	138.0	1.0727261	0.4297577	7.378984	27.33088
654	1356611113.4375	2023-01-01 12:24:55.437500	2023-01-01 21:24:55.437500	10000	OBSERVATION	141.3125	1.0812464	0.40784115	8.178671	28.051922
655	1356611533.3125	2023-01-01 12:31:55.312500	2023-01-01 21:31:55.312500	10000	OBSERVATION	120.125	1.0896195	0.42628208	7.9687843	28.359314
656	1356611896.6875	2023-01-01 12:37:58.687500	2023-01-01 21:37:58.687500	10000	OBSERVATION	174.375	0.97489345	0.40204746	7.7444224	28.055973
657	1356611942.3125	2023-01-01 12:38:44.312500	2023-01-01 21:38:44.312500	100	ALS_XY_LOCKED	0.1875	0.22004242	0.11759733	0.014955978	0.024678528
658	1356612254.5625	2023-01-01 12:43:56.562500	2023-01-01 21:43:56.562500	10000	OBSERVATION	125.6875	1.0314685	0.40357178	7.98891	28.956684
659	1356612595.6875	2023-01-01 12:49:37.687500	2023-01-01 21:49:37.687500	10000	OBSERVATION	62.5625	1.0166328	0.4208127	8.010065	28.928564
660	1356612866.9375	2023-01-01 12:54:08.937500	2023-01-01 21:54:08.937500	10000	OBSERVATION	71.125	0.9639036	0.44449103	7.8601055	29.091663
661	1356612945.0	2023-01-01 12:55:27	2023-01-01 21:55:27	100	ALS_XY_LOCKED	0.1875	0.23370558	0.11717542	0.004543015	0.009786119
662	1356613320.5625	2023-01-01 13:01:42.562500	2023-01-01 22:01:42.562500	10000	OBSERVATION	109.875	1.0704296	0.4533517	7.992193	29.788357
663	1356613791.3125	2023-01-01 13:09:33.312500	2023-01-01 22:09:33.312500	10000	OBSERVATION	181.875	0.9920349	0.46501416	8.060441	29.246925
664	1356613828.3125	2023-01-01 13:10:10.312500	2023-01-01 22:10:10.312500	100	ALS_XY_LOCKED	0.1875	0.23180526	0.10995537	0.0077656815	0.016328482
665	1356614170.4375	2023-01-01 13:15:52.437500	2023-01-01 22:15:52.437500	10000	OBSERVATION	206.0	1.0472319	0.4296554	7.7574444	28.528229
666	1356614201.5625	2023-01-01 13:16:23.562500	2023-01-01 22:16:23.562500	100	ALS_XY_LOCKED	0.1875	0.24998908	0.10794468	0.004393859	-0.018494148
667	1356614563.3125	2023-01-01 13:22:25.312500	2023-01-01 22:22:25.312500	10000	OBSERVATION	150.625	1.0203913	0.46161363	8.196404	29.085743
668	1356614927.9375	2023-01-01 13:28:29.937500	2023-01-01 22:28:29.937500	10000	OBSERVATION	158.0625	1.0793507	0.39779732	7.9233093	26.090866
669	1356615211.0625	2023-01-01 13:33:13.062500	2023-01-01 22:33:13.062500	10000	OBSERVATION	134.625	1.0370641	0.41574025	8.316353	29.09822
670	1356615731.0625	2023-01-01 13:41:53.062500	2023-01-01 22:41:53.062500	10000	OBSERVATION	184.3125	1.0532941	0.4324602	7.5655513	28.121986
671	1356616083.9375	2023-01-01 13:47:45.937500	2023-01-01 22:47:45.937500	10000	OBSERVATION	68.875	1.0216702	0.46626726	7.863208	28.898914
672	1356616927.6875	2023-01-01 14:01:49.687500	2023-01-01 23:01:49.687500	10000	OBSERVATION	80.75	1.0537357	0.44399995	8.017191	29.896458
673	1356617338.0625	2023-01-01 14:08:40.062500	2023-01-01 23:08:40.062500	10000	OBSERVATION	105.625	1.064637	0.40720206	8.065302	28.898043
674	1356617419.5	2023-01-01 14:10:01.500000	2023-01-01 23:10:01.500000	100	ALS_XY_LOCKED	0.1875	0.24642357	0.11489964	0.009324534	0.016710993
675	1356617780.6875	2023-01-01 14:16:02.687500	2023-01-01 23:16:02.687500	10000	OBSERVATION	173.4375	1.0714484	0.42002583	8.111715	28.511312
676	1356618044.4375	2023-01-01 14:20:26.437500	2023-01-01 23:20:26.437500	10000	OBSERVATION	76.25	1.0574956	0.44817036	7.8765416	28.188896
677	1356618339.1875	2023-01-01 14:25:21.187500	2023-01-01 23:25:21.187500	10000	OBSERVATION	112.75	1.069575	0.4284237	8.12714	29.935541
678	1356618870.0	2023-01-01 14:34:12	2023-01-01 23:34:12	10000	OBSERVATION	262.25	1.0078036	0.4325036	7.694791	27.396866
679	1356619158.9375	2023-01-01 14:39:00.937500	2023-01-01 23:39:00.937500	10000	OBSERVATION	89.6875	1.0205566	0.43065813	8.249974	29.003775
680	1356619194.8125	2023-01-01 14:39:36.812500	2023-01-01 23:39:36.812500	100	ALS_XY_LOCKED	0.1875	0.23430586	0.1056287	0.009531321	0.011964153
681	1356619421.8125	2023-01-01 14:43:23.812500	2023-01-01 23:43:23.812500	10000	OBSERVATION	74.4375	1.0369146	0.4170392	8.048668	28.0592
682	1356619788.3125	2023-01-01 14:49:30.312500	2023-01-01 23:49:30.312500	10000	OBSERVATION	177.625	1.0544404	0.45299852	7.7427554	28.64405
683	1356620011.8125	2023-01-01 14:53:13.812500	2023-01-01 23:53:13.812500	10000	OBSERVATION	82.1875	0.97512317	0.45288804	8.097255	28.011074
684	1356620257.1875	2023-01-01 14:57:19.187500	2023-01-01 23:57:19.187500	10000	OBSERVATION	60.375	0.8734152	0.46161145	7.806281	28.200544
685	1356620539.4375	2023-01-01 15:02:01.437500	2023-01-02 00:02:01.437500	10000	OBSERVATION	94.8125	1.0567226	0.44683766	7.5760145	28.451092
686	1356620927.8125	2023-01-01 15:08:29.812500	2023-01-02 00:08:29.812500	10000	OBSERVATION	116.875	1.0584562	0.44782814	7.733207	28.305927
687	1356621270.8125	2023-01-01 15:14:12.812500	2023-01-02 01:14:12.812500	10000	OBSERVATION	135.625	1.0141726	0.44004858	8.160051	27.94326
688	1356621310.9375	2023-01-01 15:14:52.937500	2023-01-02 01:14:52.937500	100	ALS_XY_LOCKED	0.1875	0.2621815	0.11257514	0.017765746	0.0077221403
689	1356621670.6875	2023-01-01 15:20:52.687500	2023-01-02 01:20:52.687500	10000	OBSERVATION	197.875	1.071218	0.41590357	7.7950935	28.115631
690	1356621992.9375	2023-01-01 15:26:14.937500	2023-01-02 01:26:14.937500	10000	OBSERVATION	181.625	1.0839287	0.39396757	8.014326	28.314152
691	1356622304.8125	2023-01-01 15:31:26.812500	2023-01-02 01:31:26.812500	10000	OBSERVATION	78.375	1.0461519	0.4334584	8.258211	28.9831
692	1356622536.3125	2023-01-01 15:35:18.312500	2023-01-02 01:35:18.312500	10000	OBSERVATION	74.125	1.0193198	0.4258095	7.982168	27.62318
693	1356622835.5625	2023-01-01 15:40:17.562500	2023-01-02 01:40:17.562500	10000	OBSERVATION	118.125	1.0945301	0.40763718	7.7317057	26.809166
694	1356623333.1875	2023-01-01 15:48:35.187500	2023-01-02 01:48:35.187500	10000	OBSERVATION	215.625	1.0880532	0.4270085	7.915545	26.946636
695	1356623755.6875	2023-01-01 15:55:37.687500	2023-01-02 01:55:37.687500	10000	OBSERVATION	176.125	1.0547285	0.47558197	7.766314	26.726662
696	1356624101.1875	2023-01-01 16:01:23.187500	2023-01-02 01:01:23.187500	10000	OBSERVATION	69.5625	0.95609117	0.43233418	8.20108	29.688572
697	1356624479.9375	2023-01-01 16:07:41.937500	2023-01-02 01:07:41.937500	10000	OBSERVATION	93.0	1.029634	0.41950348	7.9883637	28.131018
698	1356624830.0625	2023-01-01 16:13:32.062500	2023-01-02 01:13:32.062500	10000	OBSERVATION	133.625	1.0239797	0.4305566	8.13731	28.189842
699	1356625107.5625	2023-01-01 16:18:09.562500	2023-01-02 01:18:09.562500	10000	OBSERVATION	93.0	1.0030525	0.4065495	8.064357	27.571098
700	1356625391.6875	2023-01-01 16:22:53.687500	2023-01-02 01:22:53.687500	10000	OBSERVATION	71.75	1.0776582	0.40984756	8.118292	28.68295
701	1356625760.0625	2023-01-01 16:29:02.062500	2023-01-02 01:29:02.062500	10000	OBSERVATION	115.375	1.0237236	0.4173026	7.9247913	26.860413
702	1356626075.0625	2023-01-01 16:34:17.062500	2023-01-02 01:34:17.062500	10000	OBSERVATION	164.625	1.1121523	0.4237314	8.025763	28.420622
703	1356626581.6875	2023-01-01 16:42:43.687500	2023-01-02 01:42:43.687500	10000	OBSERVATION	67.5	1.0383207	0.4427913	8.30768	28.669209
704	1356626892.6875	2023-01-01 16:47:54.687500	2023-01-02 01:47:54.687500	10000	OBSERVATION	162.3125	1.0572809	0.41925693	7.966822	27.20633
705	1356627360.0625	2023-01-01 16:55:42.062500	2023-01-02 01:55:42.062500	10000	OBSERVATION	112.625	1.0155404	0.4303068	7.9351497	29.044315
706	1356627697.9375	2023-01-01 17:01:19.937500	2023-01-02 02:01:19.937500	10000	OBSERVATION	127.625	1.0474097	0.43711543	8.005735	28.660114
707	1356628181.9375	2023-01-01 17:09:23.937500	2023-01-02 02:09:23.937500	10000	OBSERVATION	188.125	1.0596273	0.4142723	8.231297	28.16723
708	1356628597.0625	2023-01-01 17:16:19.062500	2023-01-02 02:16:19.062500	10000	OBSERVATION	209.125	1.036902	0.403906	8.055204	27.415577
709	1356628962.3125	2023-01-01 17:22:24.312500	2023-01-02 02:22:24.312500	10000	OBSERVATION	171.6875	1.0302883	0.4485472	8.068952	27.631107
710	1356629275.8125	2023-01-01 17:27:37.812500	2023-01-02 02:27:37.812500	1000						

734	1356636313.4375	2023-01-01 19:24:55.437500	2023-01-02 04:24:55.437500	10000	OBSERVATION	118.875	1.0412439	0.41722918	8.299396	29.131369
735	1356636775.0625	2023-01-01 19:32:37.062500	2023-01-02 04:32:37.062500	10000	OBSERVATION	182.1875	1.0520949	0.43145627	8.105037	28.853071
736	1356637111.3125	2023-01-01 19:38:13.312500	2023-01-02 04:38:13.312500	10000	OBSERVATION	95.75	1.010594	0.43472457	7.7462435	28.274033
737	1356637444.9375	2023-01-01 19:43:46.937500	2023-01-02 04:43:46.937500	10000	OBSERVATION	151.0	1.019602	0.45370734	7.882105	27.836868
738	1356637795.0	2023-01-01 19:49:37	2023-01-02 04:49:37	10000	OBSERVATION	152.0625	1.0334826	0.39838332	7.98442	27.27775
739	1356638151.9375	2023-01-01 19:55:33.937500	2023-01-02 04:55:33.937500	10000	OBSERVATION	133.25	1.009718	0.39762115	7.9090843	26.880669
740	1356638434.3125	2023-01-01 20:00:16.312500	2023-01-02 05:00:16.312500	10000	OBSERVATION	117.4375	1.0614631	0.43680507	8.135733	27.916224
741	1356638894.8125	2023-01-01 20:07:56.812500	2023-01-02 05:07:56.812500	10000	OBSERVATION	253.5625	1.0416317	0.38995394	8.260269	27.45272
742	1356639561.5625	2023-01-01 20:19:03.562500	2023-01-02 05:19:03.562500	10000	OBSERVATION	119.875	1.0726615	0.431783	7.921272	27.51412
743	1356639866.5625	2023-01-01 20:24:08.562500	2023-01-02 05:24:08.562500	10000	OBSERVATION	94.75	1.0161698	0.4176474	7.9562607	27.544395
744	1356640144.1875	2023-01-01 20:28:46.187500	2023-01-02 05:28:46.187500	10000	OBSERVATION	107.25	1.0031374	0.45298636	7.876746	28.283134
745	1356640443.4375	2023-01-01 20:33:45.437500	2023-01-02 05:33:45.437500	10000	OBSERVATION	131.8125	1.0085475	0.4337623	7.831146	27.865606
746	1356640787.1875	2023-01-01 20:39:29.187500	2023-01-02 05:39:29.187500	10000	OBSERVATION	206.75	1.0196388	0.42323732	7.6772537	26.204607
747	1356641052.6875	2023-01-01 20:43:54.687500	2023-01-02 05:43:54.687500	10000	OBSERVATION	107.625	1.0272284	0.43899903	8.144621	27.85022
748	1356641383.5625	2023-01-01 20:49:25.562500	2023-01-02 05:49:25.562500	10000	OBSERVATION	126.875	1.0084904	0.43735862	8.070019	27.309956
749	1356641755.4375	2023-01-01 20:55:37.437500	2023-01-02 05:55:37.437500	10000	OBSERVATION	191.25	1.078444	0.4190435	7.885955	26.439095
750	1356641790.1875	2023-01-01 20:56:12.187500	2023-01-02 05:56:12.187500	100	ALS_XY_LOCKED	0.1875	0.23419753	0.12067482	0.011284612	0.0058232793
751	1356642156.3125	2023-01-01 21:02:18.312500	2023-01-02 06:02:18.312500	10000	OBSERVATION	177.75	1.0684167	0.442889	7.5364227	26.474375
752	1356642191.8125	2023-01-01 21:02:53.812500	2023-01-02 06:02:53.812500	100	ALS_XY_LOCKED	0.1875	0.23671922	0.11109814	0.01078305	0.005969898
753	1356642200.75	2023-01-01 21:03:02.750000	2023-01-02 06:03:02.750000	100	ALS_XY_LOCKED	0.1875	0.24619994	0.11031944	0.006662366	-0.005797684
754	1356642436.1875	2023-01-01 21:06:58.187500	2023-01-02 06:06:58.187500	10000	OBSERVATION	99.25	0.9853051	0.3985808	8.059967	27.662912
755	1356642472.5	2023-01-01 21:07:34.500000	2023-01-02 06:07:34.500000	100	ALS_XY_LOCKED	0.1875	0.3966067	0.23281637	0.00527514	0.006396625
756	1356642481.4375	2023-01-01 21:07:43.437500	2023-01-02 06:07:43.437500	100	ALS_XY_LOCKED	0.1875	0.23281667	0.11512259	0.008569613	-0.0043702256
757	1356642490.375	2023-01-01 21:07:52.375000	2023-01-02 06:07:52.375000	100	ALS_XY_LOCKED	0.1875	0.22176425	0.10382882	0.018117711	0.013751762
758	1356642790.4375	2023-01-01 21:12:52.437500	2023-01-02 06:12:52.437500	10000	OBSERVATION	151.625	1.0352905	0.44360498	7.9654417	27.089014
759	1356643433.0625	2023-01-01 21:23:35.062500	2023-01-02 06:23:35.062500	10000	OBSERVATION	162.5	1.009694	0.4507302	7.912079	27.338783
760	1356643472.75	2023-01-01 21:24:14.750000	2023-01-02 06:24:14.750000	100	ALS_XY_LOCKED	0.1875	0.23295984	0.11015007	0.017215861	-0.006439305
761	1356643901.0625	2023-01-01 21:31:23.062500	2023-01-02 06:31:23.062500	10000	OBSERVATION	226.375	1.0431122	0.40739992	7.8724856	26.4674
762	1356644381.9375	2023-01-01 21:39:23.937500	2023-01-02 06:39:23.937500	10000	OBSERVATION	242.375	1.0375943	0.4186884	8.056633	27.52893
763	1356644670.4375	2023-01-01 21:44:12.437500	2023-01-02 06:44:12.437500	10000	OBSERVATION	110.5625	1.0711505	0.41426635	7.797456	27.680258
764	1356645235.4375	2023-01-01 21:53:37.437500	2023-01-02 06:53:37.437500	10000	OBSERVATION	103.625	1.0365217	0.4325381	7.9273663	25.947884
765	1356645573.3125	2023-01-01 21:59:15.312500	2023-01-02 06:59:15.312500	10000	OBSERVATION	193.375	1.0479856	0.37386248	7.8443127	26.552559
766	1356645609.3125	2023-01-01 21:59:51.312500	2023-01-02 06:59:51.312500	100	ALS_XY_LOCKED	0.1875	0.25229326	0.11678007	0.009924074	-0.00949306
767	1356646019.125	2023-01-01 22:06:41.125000	2023-01-02 07:06:41.125000	10000	OBSERVATION	209.9375	1.0703987	0.42381442	8.133276	26.425584
768	1356646094.4375	2023-01-01 22:07:56.437500	2023-01-02 07:07:56.437500	100	ALS_XY_LOCKED	0.1875	0.22307776	0.110150106	0.0092591075	0.010240427
769	1356646671.5625	2023-01-01 22:17:33.562500	2023-01-02 07:17:33.562500	10000	OBSERVATION	195.875	0.9792537	0.40385816	7.761534	25.967947
770	1356647008.3125	2023-01-01 22:23:10.312500	2023-01-02 07:23:10.312500	10000	OBSERVATION	140.3125	0.99840903	0.397821	7.8445725	26.941555
771	1356647045.375	2023-01-01 22:23:47.375000	2023-01-02 07:23:47.375000	100	ALS_XY_LOCKED	0.1875	0.22209692	0.1054747	0.0013675238	0.0021506003
772	1356647588.5625	2023-01-01 22:32:50.562500	2023-01-02 07:32:50.562500	10000	OBSERVATION	183.375	1.0013312	0.43398347	7.7096415	26.55521
773	1356647958.5625	2023-01-01 22:39:00.562500	2023-01-02 07:39:00.562500	10000	OBSERVATION	118.8125	1.0403547	0.4415522	7.895573	28.023434
774	1356647997.0625	2023-01-01 22:39:39.062500	2023-01-02 07:39:39.062500	100	ALS_XY_LOCKED	0.1875	0.2508179	0.12548783	0.0020886476	0.015947036
775	1356648499.4375	2023-01-01 22:48:01.437500	2023-01-02 07:48:01.437500	10000	OBSERVATION	130.5625	1.0245723	0.4054158	7.96879	27.669456
776	1356648912.4375	2023-01-01 22:54:54.437500	2023-01-02 07:54:54.437500	10000	OBSERVATION	131.875	1.0529615	0.3918161	7.8410883	27.454884
777	1356648944.9375	2023-01-01 22:55:26.937500	2023-01-02 07:55:26.937500	100	ALS_XY_LOCKED	0.1875	0.23734911	0.10718222	0.019241434	0.065290526
778	1356649215.4375	2023-01-01 22:59:57.437500	2023-01-02 07:59:57.437500	10000	OBSERVATION	90.625	0.9860616	0.396564	8.204329	28.01616
779	1356649668.3125	2023-01-01 23:07:30.312500	2023-01-02 08:07:30.312500	10000	OBSERVATION	199.0	1.0456376	0.42986843	7.946866	28.424812
780	1356649703.9375	2023-01-01 23:08:05.937500	2023-01-02 08:08:05.937500	100	ALS_XY_LOCKED	0.1875	0.222004	0.1200253	0.017062295	0.025528407
781	1356650032.1875	2023-01-01 23:13:34.187500	2023-01-02 08:13:34.187500	10000	OBSERVATION	172.625	0.98963016	0.42182413	7.87006	25.839329
782	1356650329.8125	2023-01-01 23:18:31.812500	2023-01-02 08:18:31.812500	10000	OBSERVATION	137.6875	1.0194888	0.39208072	8.062836	27.841255
783	1356650367.25	2023-01-01 23:19:09.250000	2023-01-02 08:19:09.250000	100	ALS_XY_LOCKED	0.1875	0.23209062	0.11217602	0.007067821	0.037269816
784	1356650780.8125	2023-01-01 23:26:02.812500	2023-01-02 08:26:02.812500	10000	OBSERVATION	271.0	1.0184642	0.44175106	7.923119	25.651775
785	1356651188.1875	2023-01-01 23:32:50.187500	2023-01-02 08:32:50.187500	10000	OBSERVATION	215.875	1.0133064	0.40347406	7.980977	26.181475
786	1356651230.0625	2023-01-01 23:33:32.062500	2023-01-02 08:33:32.062500	100	ALS_XY_LOCKED	0.1875	0.19748463	0.2991723	0.018575002	0.035922363
787	1356651657.0625	2023-01-01 23:40:39.062500	2023-01-02 08:40:39.062500	10000	OBSERVATION	257.625	1.0665907	0.4203736	7.5366273	25.413242
788	1356651695.625	2023-01-01 23:41:17.625000	2023-01-02 08:41:17.625000	100	ALS_XY_LOCKED	0.1875	0.22858423	0.10710105	0.011010233	0.0056753475
789	1356652053.9375	2023-01-01 23:47:15.937500	2023-01-02 08:47:15.937500	10000	OBSERVATION	190.875	1.0807954	0.3887566	7.832918	26.70528
790	1356652089.75	2023-01-01 23:47:51.750000	2023-01-02 08:47:51.750000	100	ALS_XY_LOCKED	0.1875	0.31474316	0.15437855	0.015855335	-0.012959029
791	1356652498.5	2023-01-01 23:54:40.500000	2023-01-02 08:54:40.500000	10000	OBSERVATION	205.0625	1.0344293	0.3966411	7.8193808	25.31108
792	1356653033.6875	2023-01-02 00:03:35.687500	2023-01-02 09:03:35.687500	10000	OBSERVATION	216.5	1.0603595	0.38455886	8.058416	26.557484
793	1356653511.6875	2023-01-02 00:11:33.687500	2023-01-02 09:11:33.687500	10000	OBSERVATION	70.375	1.0244769	0.37015247	8.277941	27.273102
794	1356654039.125	2023-01-02 00:20:21.125000	2023-01-02 09:20:21.125000	10000	OBSERVATION	165.1875	1.0357366	0.38760898	8.091232	26.930153
795	1356654071.625	2023-01-02 00:20:53.625000	2023-01-02 09:20:53.625000	100	ALS_XY_LOCKED	0.1875	0.24483958	0.105800234	0.004967054	0.010839384
796	1356654492.8125	2023-01-02 00:27:54.812500	2023-01-02 09:27:54.812500	10000	OBSERVATION	220.375	1.0168962	0.41900504	7.753247	24.908602
797	1356654856.1875	2023-01-02 00:33:58.187500	2023-01-02 09:33:58.187500	10000	OBSERVATION	124.625	1.0343506	0.410994	8.065703	27.194056
798	1356655513.9375	2023-01-02 00:44:55.937500	2023-01-02 09:44:55.937500	10000	OBSERVATION	285.5	0.99152803	0.41113284	7.671708	26.536537
799	1356655933.9375	2023-01-02 00:51:55.937500	2023-01-02 09:51:55.937500	10000	OBSERVATION	137.0625	1.0456637	0.39360064	8.04584	27.568512
800	1356656455.9375	2023-01-02 01:00:37.937500	2023-01-02 10:00:37.937500	10000	OBSERVATION	223.375	1.0178378	0.37055284	8.003292	26.929726
801	1356657011.5625	2023-01-02 01:09:53.562500	2023-01-02 10:09:53.562500	10000	OBSERVATION	163.875	1.0359085	0.39137012	7.818122	25.885506
802	1356657355.06									

826	1356665022.4375	2023-01-02 03:23:24.437500	2023-01-02 12:23:24.437500	10000	OBSERVATION	180.875	1.0608768	0.39550233	8.059948	27.75361
827	1356665355.3125	2023-01-02 03:28:57.312500	2023-01-02 12:28:57.312500	10000	OBSERVATION	161.375	1.0165629	0.42514935	8.243526	27.978804
828	1356665871.9375	2023-01-02 03:37:33.937500	2023-01-02 12:37:33.937500	10000	OBSERVATION	252.9375	1.0526012	0.37428027	7.9681835	25.73184
829	1356666408.1875	2023-01-02 03:46:30.187500	2023-01-02 12:46:30.187500	10000	OBSERVATION	272.6875	1.0327328	0.41745952	7.676506	23.916994
830	1356666703.3125	2023-01-02 03:51:25.312500	2023-01-02 12:51:25.312500	10000	OBSERVATION	147.9375	1.058936	0.39170653	7.954241	26.159424
831	1356667089.6875	2023-01-02 03:57:51.687500	2023-01-02 12:57:51.687500	10000	OBSERVATION	170.3125	1.0832906	0.39838952	7.9664125	27.497482
832	1356667534.9375	2023-01-02 04:05:16.937500	2023-01-02 13:05:16.937500	10000	OBSERVATION	225.5	0.9825292	0.4145087	7.65501	25.343649
833	1356667836.1875	2023-01-02 04:10:18.187500	2023-01-02 13:10:18.187500	10000	OBSERVATION	134.0	1.0026498	0.41555667	7.9631004	26.769527
834	1356668170.0625	2023-01-02 04:15:52.062500	2023-01-02 13:15:52.062500	10000	OBSERVATION	100.1875	1.0622193	0.39629397	7.73533	27.31142
835	1356668540.875	2023-01-02 04:22:02.875000	2023-01-02 13:22:02.875000	10000	OBSERVATION	175.4375	1.0348969	0.3755165	7.6777244	27.01514
836	1356668879.8125	2023-01-02 04:27:41.812500	2023-01-02 13:27:41.812500	10000	OBSERVATION	113.6875	1.0413858	0.4210155	7.9583473	27.334938
837	1356669251.8125	2023-01-02 04:33:53.812500	2023-01-02 13:33:53.812500	10000	OBSERVATION	121.5	1.0979168	0.4110061	7.708823	26.464548
838	1356669634.6875	2023-01-02 04:40:16.687500	2023-01-02 13:40:16.687500	10000	OBSERVATION	167.75	1.0731486	0.38944992	7.871606	25.117058
839	1356669663.8125	2023-01-02 04:40:45.812500	2023-01-02 13:40:45.812500	100	ALS_XY_LOCKED	0.1875	0.25731948	0.10204651	0.010936024	-0.003970464
840	1356669673.8125	2023-01-02 04:40:55.812500	2023-01-02 13:40:55.812500	105	SET_LASER_POWER_I	0.1875	0.44038498	0.12191563	0.009858632	-0.007121402
841	1356669697.1875	2023-01-02 04:41:19.187500	2023-01-02 13:41:19.187500	210	ENGAGE_ALS_DARM	4.0625	0.44558015	0.41325396	0.0060215043	-0.012778315
842	1356670262.9375	2023-01-02 04:50:44.937500	2023-01-02 14:17:32.937500	10000	OBSERVATION	378.375	1.0456963	0.4030883	7.5516434	23.486061
843	1356670639.3125	2023-01-02 04:57:01.312500	2023-01-02 13:57:01.312500	10000	OBSERVATION	213.5	1.070201	0.36827612	7.7573586	25.162788
844	1356670887.9375	2023-01-02 05:01:09.937500	2023-01-02 14:01:09.937500	10000	OBSERVATION	108.5625	1.0823748	0.41632342	7.9417086	27.569042
845	1356670917.875	2023-01-02 05:01:39.875000	2023-01-02 14:01:39.875000	100	ALS_XY_LOCKED	0.1875	0.2807573	0.166846	0.0134592205	0.041568123
846	1356671476.5625	2023-01-02 05:10:58.562500	2023-01-02 14:10:58.562500	10000	OBSERVATION	183.5	1.1025993	0.37895888	7.7790246	26.166546
847	1356671515.0625	2023-01-02 05:11:37.062500	2023-01-02 14:11:37.062500	100	ALS_XY_LOCKED	0.1875	0.2538802	0.10427636	0.02433583	-0.0041181543
848	1356671870.9375	2023-01-02 05:17:32.937500	2023-01-02 14:17:32.937500	10000	OBSERVATION	196.875	1.0392288	0.39506045	8.149223	27.909092
849	1356672246.5625	2023-01-02 05:23:48.562500	2023-01-02 14:23:48.562500	10000	OBSERVATION	93.125	1.0294167	0.39820218	7.948285	26.197731
850	1356672614.1875	2023-01-02 05:29:56.187500	2023-01-02 14:29:56.187500	10000	OBSERVATION	224.625	1.0447173	0.40406302	7.731072	25.704447
851	1356673127.4375	2023-01-02 05:38:29.437500	2023-01-02 14:38:29.437500	10000	OBSERVATION	313.125	1.0685973	0.3781619	7.9938774	25.626068
852	1356673165.9375	2023-01-02 05:39:07.937500	2023-01-02 14:39:07.937500	100	ALS_XY_LOCKED	0.1875	0.24120593	0.1087952	0.007012059	0.0012350245
853	1356673480.8125	2023-01-02 05:44:22.812500	2023-01-02 14:44:22.812500	10000	OBSERVATION	179.3125	1.1000754	0.3488844	7.8430567	26.291027
854	1356673821.0625	2023-01-02 05:50:03.062500	2023-01-02 14:50:03.062500	10000	OBSERVATION	64.1875	1.0408564	0.41782254	7.5664434	27.32898
855	1356674224.0625	2023-01-02 05:56:46.062500	2023-01-02 14:56:46.062500	10000	OBSERVATION	142.375	1.0481548	0.38402233	8.034149	27.189732
856	1356674971.1875	2023-01-02 06:09:13.187500	2023-01-02 15:09:13.187500	10000	OBSERVATION	219.0	1.0393325	0.4042118	8.018908	26.686138
857	1356675317.6875	2023-01-02 06:14:59.687500	2023-01-02 15:14:59.687500	10000	OBSERVATION	134.1875	1.0341927	0.4055671	7.4117966	25.194462
858	1356675693.4375	2023-01-02 06:21:15.437500	2023-01-02 15:21:15.437500	10000	OBSERVATION	79.375	1.0236449	0.39433283	7.9907227	27.538652
859	1356676032.5625	2023-01-02 06:26:54.562500	2023-01-02 15:26:54.562500	10000	OBSERVATION	154.75	1.0944595	0.3814545	7.6466656	26.307848
860	1356676380.8125	2023-01-02 06:32:42.812500	2023-01-02 15:32:42.812500	10000	OBSERVATION	150.625	1.1088036	0.4006305	8.036107	28.311121
861	1356676480.0625	2023-01-02 06:34:22.062500	2023-01-02 15:34:22.062500	100	ALS_XY_LOCKED	0.1875	0.24505568	0.11282656	0.011892494	0.007704995
862	1356676791.5625	2023-01-02 06:39:33.562500	2023-01-02 15:39:33.562500	10000	OBSERVATION	175.625	1.0967851	0.3804801	7.965832	25.859722
863	1356676822.125	2023-01-02 06:40:04.125000	2023-01-02 15:40:04.125000	100	ALS_XY_LOCKED	0.1875	0.33032835	0.15097547	0.013454208	-0.0017547901
864	1356677248.5625	2023-01-02 06:47:10.562500	2023-01-02 15:47:10.562500	10000	OBSERVATION	257.25	1.0264843	0.36935204	7.578517	23.62331
865	1356677645.6875	2023-01-02 06:53:47.687500	2023-01-02 15:53:47.687500	10000	OBSERVATION	148.375	1.0634723	0.4031327	7.6821136	26.721367
866	1356677680.5625	2023-01-02 06:54:22.562500	2023-01-02 15:54:22.562500	100	ALS_XY_LOCKED	0.1875	0.23266497	0.09808637	0.011372121	0.010888025
867	1356678061.1875	2023-01-02 07:00:43.187500	2023-01-02 16:00:43.187500	10000	OBSERVATION	164.75	0.9676276	0.40445042	7.8987694	25.958128
868	1356678365.6875	2023-01-02 07:05:47.687500	2023-01-02 16:05:47.687500	10000	OBSERVATION	86.625	1.0027665	0.3805451	7.9910808	26.87611
869	1356678690.9375	2023-01-02 07:11:12.937500	2023-01-02 16:11:12.937500	10000	OBSERVATION	115.0	1.0490261	0.38750017	7.9338493	26.882986
870	1356678999.5625	2023-01-02 07:16:21.562500	2023-01-02 16:16:21.562500	10000	OBSERVATION	135.0	1.0451069	0.42049056	7.7626705	27.003916
871	1356679340.125	2023-01-02 07:22:02.125000	2023-01-02 16:22:02.125000	10000	OBSERVATION	116.9375	0.9898269	0.39021492	7.7908792	25.4110505
872	1356679750.875	2023-01-02 07:28:52.875000	2023-01-02 16:28:52.875000	10000	OBSERVATION	111.875	0.9967199	0.4004739	8.161621	26.08558
873	1356680033.0625	2023-01-02 07:33:35.062500	2023-01-02 16:33:35.062500	10000	OBSERVATION	89.3125	1.0549529	0.3916071	7.9580994	27.008303
874	1356680067.4375	2023-01-02 07:34:09.437500	2023-01-02 16:34:09.437500	100	ALS_XY_LOCKED	0.1875	0.25913003	0.09087442	0.012036401	-0.022191193
875	1356680076.4375	2023-01-02 07:34:18.437500	2023-01-02 16:34:18.437500	100	ALS_XY_LOCKED	0.1875	0.24073204	0.0974709	0.012476276	0.018051133
876	1356680289.0625	2023-01-02 07:37:51.062500	2023-01-02 16:37:51.062500	10000	OBSERVATION	63.0625	1.0445489	0.38493535	7.8668647	26.653198
877	1356680573.6875	2023-01-02 07:42:35.687500	2023-01-02 16:42:35.687500	10000	OBSERVATION	113.3125	1.0836983	0.40376917	7.971975	26.847458
878	1356680966.3125	2023-01-02 07:49:08.312500	2023-01-02 16:49:08.312500	10000	OBSERVATION	167.25	1.0177364	0.40353006	7.4987464	25.726728
879	1356680999.0	2023-01-02 07:49:41	2023-01-02 16:49:41	100	ALS_XY_LOCKED	0.1875	0.233516	0.10259217	0.011310829	-0.027043978
880	1356681233.6875	2023-01-02 07:53:35.687500	2023-01-02 16:53:35.687500	10000	OBSERVATION	82.625	1.0244557	0.37760657	7.7830114	25.122585
881	1356681266.9375	2023-01-02 07:54:08.937500	2023-01-02 16:54:08.937500	110	ENGAGE_ALS_CARM	1.8125	0.6371296	0.18763126	0.01879569	0.0075698905
882	1356681276.8125	2023-01-02 07:54:18.812500	2023-01-02 16:54:18.812500	110	ENGAGE_ALS_CARM	0.8125	0.38253134	0.14375246	0.009126938	0.01748528
883	1356681571.1875	2023-01-02 07:59:13.187500	2023-01-02 16:59:13.187500	10000	OBSERVATION	105.75	1.077943	0.388941	7.6679726	27.441755
884	1356682008.5625	2023-01-02 08:06:30.562500	2023-01-02 17:06:30.562500	10000	OBSERVATION	147.5	1.0418627	0.40601784	7.832088	25.882473
885	1356682338.6875	2023-01-02 08:12:00.687500	2023-01-02 17:12:00.687500	10000	OBSERVATION	118.8125	1.0134152	0.4013026	8.068922	26.744862
886	1356682791.1875	2023-01-02 08:19:33.187500	2023-01-02 17:19:33.187500	10000	OBSERVATION	221.3125	1.0191921	0.42556998	7.7027993	26.739582
887	1356683043.9375	2023-01-02 08:23:45.937500	2023-01-02 17:23:45.937500	10000	OBSERVATION	101.5	1.0011823	0.38535234	7.9528646	25.837175
888	1356683378.5625	2023-01-02 08:29:20.562500	2023-01-02 17:29:20.562500	10000	OBSERVATION	171.25	1.1228161	0.39872035	7.8353353	26.701698
889	1356683408.8125	2023-01-02 08:29:50.812500	2023-01-02 17:29:50.812500	100	ALS_XY_LOCKED	0.1875	0.25929633	0.10432552	0.014734157	0.026926294
890	1356683673.4375	2023-01-02 08:34:15.437500	2023-01-02 17:34:15.437500	10000	OBSERVATION	127.25	1.0728134	0.37596217	7.782449	25.930489
891	1356683713.3125	2023-01-02 08:34:55.312500	2023-01-02 17:34:55.312500	100	ALS_XY_LOCKED	0.1875	0.25154585	0.1102444	0.011394796	0.0199098
892	1356684084.8125	2023-01-02 08:41:06.812500	2023-01-02 17:41:06.812500	10000	OBSERVATION	87.125	1.0502139	0.3837235	8.159368	26.998627
893	1356684558.5625	2023-01-02 08:49:00.562500	2023-01-02 17:49:00.562500	10000	OBSERVATION	104.25	1.0470942	0.34261557	7.9641685	23.035084
894										

918	1356693449.8125	2023-01-02 11:17:11.812500	2023-01-02 20:17:11.812500	10000	OBSERVATION	116.5	0.9977485	0.39445567	7.8720407	26.251308
919	1356693774.9375	2023-01-02 11:22:36.937500	2023-01-02 20:22:36.937500	10000	OBSERVATION	125.625	1.0080451	0.38665447	7.7185173	26.373247
920	1356694377.9375	2023-01-02 11:32:39.937500	2023-01-02 20:32:39.937500	10000	OBSERVATION	138.625	1.0516896	0.37489027	7.823489	24.64053
921	1356694411.1875	2023-01-02 11:33:13.187500	2023-01-02 20:33:13.187500	100	ALS_XY_LOCKED	0.1875	0.283895	0.14074592	0.012901662	0.022037331
922	1356694802.9375	2023-01-02 11:39:44.937500	2023-01-02 20:39:44.937500	10000	OBSERVATION	216.625	1.0617285	0.37841982	7.7839365	26.00652
923	1356695202.5625	2023-01-02 11:46:24.562500	2023-01-02 20:46:24.562500	10000	OBSERVATION	215.25	1.0833265	0.3613072	8.1197815	26.486937
924	1356695766.4375	2023-01-02 11:55:48.437500	2023-01-02 20:55:48.437500	10000	OBSERVATION	280.125	1.0077895	0.3601043	7.867047	23.385328
925	1356696032.9375	2023-01-02 12:00:14.937500	2023-01-02 21:00:14.937500	10000	OBSERVATION	42.75	1.0464045	0.37680146	7.9010124	26.286871
926	1356696399.1875	2023-01-02 12:06:21.187500	2023-01-02 21:06:21.187500	10000	OBSERVATION	72.375	0.9651421	0.39689812	7.830282	26.680326
927	1356696802.5625	2023-01-02 12:13:04.562500	2023-01-02 21:13:04.562500	10000	OBSERVATION	190.125	1.0358589	0.37430748	8.111747	24.41812
928	1356697172.1875	2023-01-02 12:19:14.187500	2023-01-02 21:19:14.187500	10000	OBSERVATION	57.5	0.9873793	0.3165235	8.083586	24.553185
929	1356697607.3125	2023-01-02 12:26:29.312500	2023-01-02 21:26:29.312500	10000	OBSERVATION	75.5	1.0413363	0.36157244	8.028475	25.174948
930	1356697922.4375	2023-01-02 12:31:44.437500	2023-01-02 21:31:44.437500	10000	OBSERVATION	124.0	1.0542353	0.35526186	7.639287	22.139784
931	1356697954.1875	2023-01-02 12:32:16.187500	2023-01-02 21:32:16.187500	100	ALS_XY_LOCKED	0.1875	0.29930767	0.102720425	0.004752656	0.013250785
932	1356698238.1875	2023-01-02 12:37:00.187500	2023-01-02 21:37:00.187500	10000	OBSERVATION	121.125	1.023785	0.36258736	7.7302747	25.68011
933	1356698611.4375	2023-01-02 12:43:13.437500	2023-01-02 21:43:13.437500	10000	OBSERVATION	156.25	0.9720323	0.3704181	7.89091	23.467388
934	1356698876.9375	2023-01-02 12:47:38.937500	2023-01-02 21:47:38.937500	10000	OBSERVATION	34.25	1.0780028	0.35956606	7.8949738	25.031235
935	1356699395.8125	2023-01-02 12:56:17.812500	2023-01-02 21:56:17.812500	10000	OBSERVATION	258.25	1.0049343	0.35322288	7.8033695	25.133842
936	1356699737.8125	2023-01-02 13:01:59.812500	2023-01-02 22:01:59.812500	10000	OBSERVATION	169.625	0.9437276	0.35872737	7.786697	25.714157
937	1356700140.4375	2023-01-02 13:08:42.437500	2023-01-02 22:08:42.437500	10000	OBSERVATION	125.75	1.029756	0.37350917	7.9912124	24.899158
938	1356700573.3125	2023-01-02 13:15:55.312500	2023-01-02 22:15:55.312500	10000	OBSERVATION	127.25	0.9883752	0.36609244	7.794342	25.415932
939	1356700881.8125	2023-01-02 13:21:03.812500	2023-01-02 22:21:03.812500	10000	OBSERVATION	85.375	1.0062859	0.34175095	8.104511	25.171902
940	1356701170.0625	2023-01-02 13:25:52.062500	2023-01-02 22:25:52.062500	10000	OBSERVATION	73.125	1.0512018	0.38696364	8.0307	26.509016
941	1356701409.8125	2023-01-02 13:29:51.812500	2023-01-02 22:29:51.812500	10000	OBSERVATION	71.375	0.97689885	0.3473978	7.756475	25.071234
942	1356701879.0625	2023-01-02 13:37:41.062500	2023-01-02 22:37:41.062500	10000	OBSERVATION	275.6875	1.061976	0.37872973	7.452854	23.864029
943	1356701917.625	2023-01-02 13:38:19.625000	2023-01-02 22:38:19.625000	100	ALS_XY_LOCKED	0.1875	0.23623404	0.09614388	0.006281824	0.039759703
944	1356702208.5625	2023-01-02 13:43:10.562500	2023-01-02 22:43:10.562500	10000	OBSERVATION	92.375	1.0470923	0.36132875	7.9520946	24.150589
945	1356703147.3125	2023-01-02 13:58:49.312500	2023-01-02 22:58:49.312500	10000	OBSERVATION	132.8125	0.9685721	0.36402935	7.5529213	24.066551
946	1356703492.3125	2023-01-02 14:04:34.312500	2023-01-02 23:04:34.312500	10000	OBSERVATION	90.25	0.99045575	0.38512826	8.209651	25.717567
947	1356703920.9375	2023-01-02 14:11:42.937500	2023-01-02 23:11:42.937500	10000	OBSERVATION	180.625	1.013705	0.34265006	7.547712	24.027632
948	1356704236.8125	2023-01-02 14:16:58.812500	2023-01-02 23:16:58.812500	10000	OBSERVATION	133.375	0.99928546	0.37779742	7.3915443	23.61376
949	1356704573.1875	2023-01-02 14:22:35.187500	2023-01-02 23:22:35.187500	10000	OBSERVATION	86.375	1.0272619	0.36326745	7.9097853	26.043589
950	1356704926.0625	2023-01-02 14:28:28.062500	2023-01-02 23:28:28.062500	10000	OBSERVATION	102.375	0.991644	0.35044158	7.815467	24.998005
951	1356705203.6875	2023-01-02 14:33:05.687500	2023-01-02 23:33:05.687500	10000	OBSERVATION	90.1875	1.0217547	0.35671467	7.6943836	25.710361
952	1356705505.6875	2023-01-02 14:38:07.687500	2023-01-02 23:38:07.687500	10000	OBSERVATION	92.25	1.0305681	0.38425004	7.803688	24.542158
953	1356705540.1875	2023-01-02 14:38:42.187500	2023-01-02 23:38:42.187500	100	ALS_XY_LOCKED	0.1875	0.2714102	0.11218461	0.0075134235	0.027001437
954	1356705865.4375	2023-01-02 14:44:07.437500	2023-01-02 23:44:07.437500	10000	OBSERVATION	154.75	0.9844577	0.36717469	7.6891246	24.232386
955	1356705932.0625	2023-01-02 14:45:14.062500	2023-01-02 23:45:14.062500	210	ENGAGE_ALS_DARM	19.5625	0.9936926	0.35084966	-0.0044257166	-0.025215002
956	1356706361.1875	2023-01-02 14:52:23.187500	2023-01-02 23:52:23.187500	10000	OBSERVATION	164.25	1.0598922	0.3772227	7.4125857	24.040981
957	1356706633.8125	2023-01-02 14:56:55.812500	2023-01-02 23:56:55.812500	10000	OBSERVATION	91.25	0.9921967	0.33947077	7.927646	25.554985
958	1356706994.4375	2023-01-02 15:02:56.437500	2023-01-03 00:02:56.437500	10000	OBSERVATION	111.375	1.0092928	0.3729638	7.835552	25.134644
959	1356707811.0	2023-01-02 15:16:33	2023-01-03 00:16:33	10000	OBSERVATION	103.9375	0.99989206	0.38425463	7.927939	26.48484
960	1356707841.8125	2023-01-02 15:17:03.812500	2023-01-03 00:17:03.812500	100	ALS_XY_LOCKED	0.1875	0.24122436	0.12198817	0.008563902	0.009241311
961	1356708068.5625	2023-01-02 15:20:50.562500	2023-01-03 00:20:50.562500	10000	OBSERVATION	70.875	0.9964709	0.36549345	7.70341	25.202917
962	1356708466.6875	2023-01-02 15:27:28.687500	2023-01-03 00:27:28.687500	10000	OBSERVATION	149.0	0.9904854	0.37026215	7.4905634	23.139467
963	1356708505.1875	2023-01-02 15:28:07.187500	2023-01-03 00:28:07.187500	100	ALS_XY_LOCKED	0.1875	0.21856965	0.10138957	0.007116337	0.047816478
964	1356708773.1875	2023-01-02 15:32:35.187500	2023-01-03 00:32:35.187500	10000	OBSERVATION	101.0	1.0501268	0.373291	7.829484	25.647102
965	1356708814.9375	2023-01-02 15:33:16.937500	2023-01-03 00:33:16.937500	110	ENGAGE_ALS_CARM	0.375	0.29300618	0.13193582	0.004018612	0.00041237287
966	1356709115.6875	2023-01-02 15:38:17.687500	2023-01-03 00:38:17.687500	10000	OBSERVATION	82.75	1.0440121	0.37433428	7.891754	27.385593
967	1356709515.6875	2023-01-02 15:44:57.687500	2023-01-03 00:44:57.687500	10000	OBSERVATION	179.8125	1.0404288	0.33677948	7.5425854	22.794205
968	1356709898.8125	2023-01-02 15:51:20.812500	2023-01-03 00:51:20.812500	10000	OBSERVATION	13.375	1.0112122	0.3871066	8.116739	26.652761
969	1356710245.1875	2023-01-02 15:57:07.187500	2023-01-03 00:57:07.187500	10000	OBSERVATION	101.8125	1.0313315	0.38235167	7.7093477	26.645897
970	1356710278.5	2023-01-02 15:57:40.500000	2023-01-03 00:57:40.500000	100	ALS_XY_LOCKED	0.1875	0.22724654	0.09792076	0.0073955813	0.017374784
971	1356710292.5	2023-01-02 15:57:54.500000	2023-01-03 00:57:54.500000	100	ALS_XY_LOCKED	0.1875	0.3278878	0.11430797	0.005906036	0.019589243
972	1356710555.8125	2023-01-02 16:02:17.812500	2023-01-03 01:02:17.812500	10000	OBSERVATION	60.625	1.0055186	0.36784005	8.271101	26.675938
973	1356711229.3125	2023-01-02 16:13:31.312500	2023-01-03 01:13:31.312500	10000	OBSERVATION	253.5	1.0467569	0.353644	7.939612	27.580074
974	1356711546.9375	2023-01-02 16:18:48.937500	2023-01-03 01:18:48.937500	10000	OBSERVATION	51.0625	1.0021187	0.37167624	7.906201	26.708466
975	1356711878.8125	2023-01-02 16:24:20.812500	2023-01-03 01:24:20.812500	10000	OBSERVATION	137.625	1.0236024	0.374414	7.8155737	25.85607
976	1356712266.3125	2023-01-02 16:30:48.312500	2023-01-03 01:30:48.312500	10000	OBSERVATION	162.5625	1.061165	0.38351727	7.4564047	24.883377
977	1356712534.5625	2023-01-02 16:35:16.562500	2023-01-03 01:35:16.562500	10000	OBSERVATION	45.5	1.0442559	0.35939515	7.955329	25.257427
978	1356712820.0625	2023-01-02 16:40:02.062500	2023-01-03 01:40:02.062500	10000	OBSERVATION	89.375	0.9921144	0.3631969	8.156361	26.746437
979	1356713196.6875	2023-01-02 16:46:18.687500	2023-01-03 01:46:18.687500	10000	OBSERVATION	166.25	1.0387038	0.36652663	7.7304707	26.207281
980	1356713644.6875	2023-01-02 16:53:46.687500	2023-01-03 01:53:46.687500	10000	OBSERVATION	130.5	1.0578834	0.34733683	7.660512	25.122581
981	1356713681.0	2023-01-02 16:54:23	2023-01-03 01:54:23	100	ALS_XY_LOCKED	0.1875	0.31041983	0.12357239	0.0061661387	0.011863212
982	1356713991.3125	2023-01-02 16:59:33.312500	2023-01-03 01:59:33.312500	10000	OBSERVATION	136.875	1.0506663	0.37899938	7.480934	25.44849
983	1356714585.6875	2023-01-02 17:09:27.687500	2023-01-03 02:09:27.687500	10000	OBSERVATION	184.75	1.0232505	0.37252092	7.673649	26.563688
984	1356714857.0625	2023-01-02 17:13:59.062500	2023-01-03 02:13:59.062500	10000	OBSERVATION	80.75	1.0601144	0.37248588	7.394225	25.524483
985	1356715202.4375	2023-01-02 17:19:44.437500	2023-01-03 02:19:44.437500	10000	OBSERVATION	141.25	1.0900519	0.3531997	7.3953915	26.041485
986	1356715234.0	2023-01-02 17:20:16	2023-01-03 02:20:16	1						

1010	1356721202.3125	2023-01-02 18:59:44.312500	2023-01-03 03:59:44.312500	10000	OBSERVATION	54.6875	1.043153	0.36922964	7.5120482	26.026466
1011	1356721642.1875	2023-01-02 19:07:04.187500	2023-01-03 04:07:04.187500	10000	OBSERVATION	199.1875	1.0624487	0.34669888	8.017717	27.19467
1012	1356721678.3125	2023-01-02 19:07:40.312500	2023-01-03 04:07:40.312500	105	SET_LASER_POWER_I	0.125	0.24574654	0.11594352	0.004806272	0.0326441
1013	1356721899.0625	2023-01-02 19:11:21.062500	2023-01-03 04:11:21.062500	10000	OBSERVATION	100.875	0.9899121	0.39412865	7.8421226	25.116243
1014	1356722259.1875	2023-01-02 19:17:21.187500	2023-01-03 04:17:21.187500	10000	OBSERVATION	142.75	0.9115517	0.39101917	8.062737	25.805832
1015	1356722573.0625	2023-01-02 19:22:35.062500	2023-01-03 04:22:35.062500	10000	OBSERVATION	150.3125	1.0352072	0.37448138	7.23479	26.951202
1016	1356723161.5625	2023-01-02 19:32:23.562500	2023-01-03 04:32:23.562500	10000	OBSERVATION	129.4375	1.0791875	0.33681569	7.53403	26.86912
1017	1356723799.9375	2023-01-02 19:43:01.937500	2023-01-03 04:43:01.937500	10000	OBSERVATION	145.625	1.0838368	0.32369408	7.591643	26.797264
1018	1356724278.5625	2023-01-02 19:51:00.562500	2023-01-03 04:51:00.562500	10000	OBSERVATION	117.375	1.0947013	0.3528408	7.0257196	24.882683
1019	1356724642.5625	2023-01-02 19:57:04.562500	2023-01-03 04:57:04.562500	10000	OBSERVATION	119.1875	1.061326	0.36987045	7.5051227	27.98855
1020	1356725292.5625	2023-01-02 20:07:54.562500	2023-01-03 05:07:54.562500	10000	OBSERVATION	100.0	1.0505443	0.37238932	7.4158015	27.103603
1021	1356725613.0625	2023-01-02 20:13:15.062500	2023-01-03 05:13:15.062500	10000	OBSERVATION	118.5	1.0815578	0.3866103	7.4860544	26.490828
1022	1356725651.8125	2023-01-02 20:13:53.812500	2023-01-03 05:13:53.812500	105	SET_LASER_POWER_I	0.1875	0.27040514	0.10133114	0.00659992	0.0006210683
1023	1356726002.1875	2023-01-02 20:19:44.187500	2023-01-03 05:19:44.187500	10000	OBSERVATION	80.875	1.0415531	0.33727098	7.367454	25.614971
1024	1356726040.8125	2023-01-02 20:20:22.812500	2023-01-03 05:20:22.812500	100	ALS_XY_LOCKED	0.1875	0.31961602	0.111780986	0.00155175	0.0060781064
1025	1356726285.9375	2023-01-02 20:24:27.937500	2023-01-03 05:24:27.937500	10000	OBSERVATION	114.25	1.062029	0.38040906	7.6065927	26.917805
1026	1356727376.5625	2023-01-02 20:42:38.562500	2023-01-03 05:42:38.562500	10000	OBSERVATION	64.875	1.0874355	0.3853382	7.651164	26.668175
1027	1356728102.6875	2023-01-02 20:54:44.687500	2023-01-03 05:54:44.687500	10000	OBSERVATION	110.875	1.1007215	0.36342046	7.2664165	25.016083
1028	1356728143.3125	2023-01-02 20:55:25.312500	2023-01-03 05:55:25.312500	100	ALS_XY_LOCKED	0.1875	0.26298717	0.10238434	0.011109311	0.021325007
1029	1356729047.0625	2023-01-02 21:10:29.062500	2023-01-03 06:10:29.062500	10000	OBSERVATION	100.75	1.080026	0.35185066	7.558836	26.18295
1030	1356729082.625	2023-01-02 21:11:04.625000	2023-01-03 06:11:04.625000	105	SET_LASER_POWER_I	0.125	0.25469163	0.09969064	0.008223968	0.03253597
1031	1356729316.4375	2023-01-02 21:14:58.437500	2023-01-03 06:14:58.437500	10000	OBSERVATION	118.5625	1.0345918	0.37383124	7.548025	26.684326
1032	1356729613.0625	2023-01-02 21:19:55.062500	2023-01-03 06:19:55.062500	10000	OBSERVATION	37.875	1.0574101	0.35470515	7.9376545	28.647749
1033	1356729940.1875	2023-01-02 21:25:22.187500	2023-01-03 06:25:22.187500	10000	OBSERVATION	131.625	1.0591403	0.41500056	7.697165	26.278498
1034	1356730387.9375	2023-01-02 21:32:49.937500	2023-01-03 06:32:49.937500	10000	OBSERVATION	198.5	1.0628016	0.38455394	7.457574	26.597416
1035	1356730681.4375	2023-01-02 21:37:43.437500	2023-01-03 06:37:43.437500	10000	OBSERVATION	109.0	1.0545982	0.35440016	8.048741	27.376446
1036	1356730896.4375	2023-01-02 21:41:18.437500	2023-01-03 06:41:18.437500	10000	OBSERVATION	27.875	1.0478879	0.33896276	7.9665833	26.554533
1037	1356731223.4375	2023-01-02 21:46:45.437500	2023-01-03 06:46:45.437500	10000	OBSERVATION	138.125	1.0973935	0.37439403	7.738695	28.2877
1038	1356731656.1875	2023-01-02 21:53:58.187500	2023-01-03 06:53:58.187500	10000	OBSERVATION	104.75	1.031989	0.36868525	7.5500374	26.922337
1039	1356732334.6875	2023-01-02 22:05:16.687500	2023-01-03 07:05:16.687500	10000	OBSERVATION	114.8125	1.0708296	0.3914541	7.7220516	25.98783
1040	1356732687.5625	2023-01-02 22:11:09.562500	2023-01-03 07:11:09.562500	10000	OBSERVATION	95.25	1.0167806	0.37107563	7.887785	26.439373
1041	1356733043.3125	2023-01-02 22:17:05.312500	2023-01-03 07:17:05.312500	10000	OBSERVATION	145.75	1.0408603	0.35410476	7.5942764	25.669456
1042	1356733384.3125	2023-01-02 22:22:46.312500	2023-01-03 07:22:46.312500	10000	OBSERVATION	56.75	1.0508904	0.37329048	8.150035	29.103722
1043	1356733857.0625	2023-01-02 22:30:39.062500	2023-01-03 07:30:39.062500	10000	OBSERVATION	107.6875	1.0441722	0.37167442	7.7034836	25.0354
1044	1356734194.1875	2023-01-02 22:36:16.187500	2023-01-03 07:36:16.187500	10000	OBSERVATION	105.25	1.0886075	0.36158225	7.51991	25.448654
1045	1356734225.4375	2023-01-02 22:36:47.437500	2023-01-03 07:36:47.437500	110	ENGAGE_ALS_CARM	1.0625	0.35705385	0.1737639	0.050261613	0.047883797
1046	1356734234.375	2023-01-02 22:36:56.375000	2023-01-03 07:36:56.375000	100	ALS_XY_LOCKED	0.1875	0.24202353	0.10126139	0.0010088155	0.0033513203
1047	1356734789.9375	2023-01-02 22:46:11.937500	2023-01-03 07:46:11.937500	10000	OBSERVATION	144.375	1.0419194	0.36581326	7.9642477	28.031387
1048	1356735020.4375	2023-01-02 22:50:02.437500	2023-01-03 07:50:02.437500	10000	OBSERVATION	42.25	1.0513467	0.3456289	8.029553	26.903126
1049	1356735440.1875	2023-01-02 22:57:02.187500	2023-01-03 07:57:02.187500	10000	OBSERVATION	90.4375	0.968156	0.34110504	7.621854	25.41088
1050	1356735890.6875	2023-01-02 23:04:32.687500	2023-01-03 08:04:32.687500	305	FIND_IR_RESONANCE	319.4375	0.935506	0.3050509	-0.0016117955	-0.006329184
1051	1356737045.875	2023-01-02 23:23:47.875000	2023-01-03 08:23:47.875000	100	ALS_XY_LOCKED	0.1875	0.24485722	0.1053766	0.00765521	0.024467682
1052	1356737083.4375	2023-01-02 23:24:25.437500	2023-01-03 08:24:25.437500	210	ENGAGE_ALS_DARM	18.0625	1.0356854	0.3015942	-0.0032431511	-0.024013411
1053	1356737209.6875	2023-01-02 23:26:31.687500	2023-01-03 08:26:31.687500	110	ENGAGE_ALS_CARM	2.1875	0.6637883	0.20026883	0.01292727	0.07361387
1054	1356737606.1875	2023-01-02 23:33:08.187500	2023-01-03 08:33:08.187500	10000	OBSERVATION	169.875	1.0351399	0.36712462	7.857629	26.594864
1055	1356738088.1875	2023-01-02 23:41:10.187500	2023-01-03 08:41:10.187500	10000	OBSERVATION	206.3125	1.0147566	0.3581954	7.6395555	27.469791
1056	1356738524.6875	2023-01-02 23:48:26.687500	2023-01-03 08:48:26.687500	10000	OBSERVATION	139.125	0.99468684	0.3705663	7.417286	25.36982
1057	1356738556.25	2023-01-02 23:48:58.250000	2023-01-03 08:48:58.250000	100	ALS_XY_LOCKED	0.1875	0.26245	0.12970383	0.008149264	-0.025111526
1058	1356739156.0625	2023-01-02 23:58:58.062500	2023-01-03 08:58:58.062500	10000	OBSERVATION	105.125	1.0483247	0.40654063	7.7136602	26.459208
1059	1356739505.4375	2023-01-03 00:04:47.437500	2023-01-03 09:04:47.437500	10000	OBSERVATION	84.625	1.0833237	0.3291133	7.5789256	25.665794
1060	1356740990.6875	2023-01-03 00:29:32.687500	2023-01-03 09:29:32.687500	305	FIND_IR_RESONANCE	1423.9375	0.9879281	0.34933043	0.0029270072	-0.013259783
1061	1356741203.0625	2023-01-03 00:33:05.062500	2023-01-03 09:33:05.062500	210	ENGAGE_ALS_DARM	19.375	0.99748814	0.37437117	-0.0035492394	0.14189328
1062	1356741929.8125	2023-01-03 00:45:11.812500	2023-01-03 09:45:11.812500	10000	OBSERVATION	66.0625	1.0928863	0.36267135	7.7955356	27.088814
1063	1356741959.9375	2023-01-03 00:45:41.937500	2023-01-03 09:45:41.937500	100	ALS_XY_LOCKED	0.1875	0.25972876	0.09956546	0.007424066	0.015234863
1064	1356742719.6875	2023-01-03 00:58:21.687500	2023-01-03 09:58:21.687500	10000	OBSERVATION	111.6875	1.0534086	0.3290187	7.661763	25.472221
1065	1356743113.6875	2023-01-03 01:04:55.687500	2023-01-03 10:04:55.687500	10000	OBSERVATION	129.125	1.0520205	0.34621012	7.43559	25.15635
1066	1356743487.3125	2023-01-03 01:11:09.312500	2023-01-03 10:11:09.312500	10000	OBSERVATION	42.0	1.0298228	0.35728535	7.5466213	25.38422
1067	1356743779.1875	2023-01-03 01:16:01.187500	2023-01-03 10:16:01.187500	10000	OBSERVATION	57.625	1.0431244	0.34774676	8.013155	26.307686
1068	1356744144.8125	2023-01-03 01:22:06.812500	2023-01-03 10:22:06.812500	10000	OBSERVATION	177.875	1.005147	0.37516785	7.5846386	25.973457
1069	1356744546.3125	2023-01-03 01:28:48.312500	2023-01-03 10:28:48.312500	10000	OBSERVATION	198.3125	1.0250778	0.34959286	7.4194107	25.506716
1070	1356744918.6875	2023-01-03 01:35:00.687500	2023-01-03 10:35:00.687500	10000	OBSERVATION	160.375	1.0589123	0.3754017	7.600032	26.283478
1071	1356745010.5625	2023-01-03 01:36:32.562500	2023-01-03 10:36:32.562500	100	ALS_XY_LOCKED	0.1875	0.26780468	0.092898056	0.012603793	0.026175495
1072	1356745346.5625	2023-01-03 01:42:08.562500	2023-01-03 10:42:08.562500	10000	OBSERVATION	34.375	1.0333924	0.35534656	7.359686	25.567291
1073	1356745384.5	2023-01-03 01:42:46.500000	2023-01-03 10:42:46.500000	100	ALS_XY_LOCKED	0.1875	0.24540421	0.108762436	0.014960203	0.01245613
1074	1356745732.1875	2023-01-03 01:48:34.187500	2023-01-03 10:48:34.187500	10000	OBSERVATION	58.875	0.9819933	0.36630625	7.543373	24.543657
1075	1356746082.5625	2023-01-03 01:54:24.562500	2023-01-03 10:54:24.562500	10000	OBSERVATION	132.0	1.0271938	0.34522742	7.4495683	23.244781
1076	1356746277.4375	2023-01-03 01:57:39.437500	2023-01-03 10:57:39.437500	405	HANDOVER_ALS_TO	5.875	1.0162927	0.36936575	7.5190644	26.281776
1077	1356746491.0625	2023-01-03 02:01:13.062500	2023-01-03 11:01:13.062500	210	ENGAGE_ALS_DARM					

1102	1356754347.9375	2023-01-03 04:12:09.937500	2023-01-03 13:12:09.937500	10000	OBSERVATION	43.5	1.0583292	0.36014903	7.6141024	26.9631
1103	1356754435.75	2023-01-03 04:13:37.750000	2023-01-03 13:13:37.750000	100	ALS_XY_LOCKED	0.1875	0.23004006	0.10842332	0.012239046	0.0056260624
1104	1356754915.25	2023-01-03 04:21:37.250000	2023-01-03 13:21:37.250000	10000	OBSERVATION	84.125	1.0049579	0.35769674	7.9773955	27.276089
1105	1356755228.6875	2023-01-03 04:26:50.687500	2023-01-03 13:26:50.687500	10000	OBSERVATION	151.0	0.999566	0.37383008	7.3330483	27.57876
1106	1356755638.0625	2023-01-03 04:33:40.062500	2023-01-03 13:33:40.062500	10000	OBSERVATION	75.1875	1.0137951	0.3319629	7.4952703	25.348732
1107	1356755666.75	2023-01-03 04:34:08.750000	2023-01-03 13:34:08.750000	100	ALS_XY_LOCKED	0.1875	0.26024902	0.111070573	0.016241612	0.01882057
1108	1356756126.0625	2023-01-03 04:41:48.062500	2023-01-03 13:41:48.062500	10000	OBSERVATION	180.0	0.9480581	0.34087905	7.4558725	25.6086
1109	1356756468.8125	2023-01-03 04:47:30.812500	2023-01-03 13:47:30.812500	10000	OBSERVATION	133.0	1.0270915	0.33295032	7.3722763	26.865847
1110	1356756760.8125	2023-01-03 04:52:22.812500	2023-01-03 13:52:22.812500	10000	OBSERVATION	96.125	1.0198619	0.36542785	7.6349664	27.200176
1111	1356757085.8125	2023-01-03 04:57:47.812500	2023-01-03 13:57:47.812500	10000	OBSERVATION	103.625	1.0004311	0.33912492	7.766702	27.079124
1112	1356757124.375	2023-01-03 04:58:26.375000	2023-01-03 13:58:26.375000	100	ALS_XY_LOCKED	0.1875	0.24271563	0.09927805	0.009650738	3.075786E-05
1113	1356757361.9375	2023-01-03 05:02:23.937500	2023-01-03 14:02:23.937500	10000	OBSERVATION	71.5	1.0180784	0.37050754	7.7956257	27.294876
1114	1356757607.5625	2023-01-03 05:06:29.562500	2023-01-03 14:06:29.562500	10000	OBSERVATION	35.25	1.0065238	0.3805341	7.7187376	26.609707
1115	1356757812.0625	2023-01-03 05:09:54.062500	2023-01-03 14:09:54.062500	305	FIND_IR_RESONANCE	128.1875	0.93723965	0.36368594	4.609408	18.887127
1116	1356758811.8125	2023-01-03 05:26:33.812500	2023-01-03 14:26:33.812500	10000	OBSERVATION	149.8125	0.9789546	0.36905864	7.555436	25.360806
1117	1356758987.125	2023-01-03 05:29:29.125000	2023-01-03 14:29:29.125000	10000	OBSERVATION	28.0	0.9651378	0.3460863	7.7243876	26.84065
1118	1356759376.9375	2023-01-03 05:35:58.937500	2023-01-03 14:35:58.937500	10000	OBSERVATION	95.25	1.0209999	0.3639191	7.6183167	26.801485
1119	1356759885.9375	2023-01-03 05:44:27.937500	2023-01-03 14:44:27.937500	305	FIND_IR_RESONANCE	447.9375	0.9771227	0.38424084	3.2410235	4.323619
1120	1356760468.8125	2023-01-03 05:54:10.812500	2023-01-03 14:54:10.812500	10000	OBSERVATION	102.75	1.0016029	0.3523602	7.822915	26.257927
1121	1356760843.6875	2023-01-03 06:00:25.687500	2023-01-03 15:00:25.687500	10000	OBSERVATION	103.875	1.0123897	0.33721197	7.5588202	26.300682
1122	1356761061.9375	2023-01-03 06:04:03.937500	2023-01-03 15:04:03.937500	10000	OBSERVATION	19.625	0.99593234	0.36943823	7.6707287	25.867958
1123	1356761357.4375	2023-01-03 06:08:59.437500	2023-01-03 15:08:59.437500	10000	OBSERVATION	83.625	1.006664	0.3719722	7.869977	28.03151
1124	1356761637.1875	2023-01-03 06:13:39.187500	2023-01-03 15:13:39.187500	10000	OBSERVATION	68.375	0.99742824	0.34894723	7.9124527	27.496056
1125	1356761974.3125	2023-01-03 06:19:16.312500	2023-01-03 15:19:16.312500	10000	OBSERVATION	131.625	0.99229413	0.38402396	7.855769	27.040712
1126	1356762063.9375	2023-01-03 06:20:45.937500	2023-01-03 15:20:45.937500	110	ENGAGE_ALS_CARM	2.1875	0.71788627	0.20601937	0.0077121696	0.007440587
1127	1356763620.6875	2023-01-03 06:46:42.687500	2023-01-03 15:46:42.687500	10000	OBSERVATION	95.875	1.0282737	0.33556098	7.321851	25.693043
1128	1356764055.0625	2023-01-03 06:53:57.062500	2023-01-03 15:53:57.062500	10000	OBSERVATION	121.0	0.98427063	0.3639425	7.663512	26.231102