

lockloss_wo_from_observation_20221228-20230103

index	gps	utc	jst	previou_state_n	previous_state_s	stay time	power GreenX	power GreenY	power IRX	power IRY
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
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
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
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
722	1356633733.0625	2023-01-01 18:41:55.062500	2023-01-02 03:41:55.062500	305	FIND_IR_RESONANCE	116.9375	0.89816004	0.35329348	0.2326258	0.83663905
1077	1356746491.0625	2023-01-03 02:01:13.062500	2023-01-03 11:01:13.062500	210	ENGAGE_ALS_DARM	21.75	1.0629207	0.35759562	-0.001670914	0.034682278
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
1080	1356746916.6875	2023-01-03 02:08:18.687500	2023-01-03 11:08:18.687500	210	ENGAGE_ALS_DARM	19.5	1.045461	0.36472628	0.0011492276	-0.030313572
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
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
728	1356634326.4375	2023-01-01 18:51:48.437500	2023-01-02 03:51:48.437500	210	ENGAGE_ALS_DARM	18.0	1.0346916	0.39343846	-0.0034626857	-0.02700992
1009	1356720534.5625	2023-01-02 18:48:36.562500	2023-01-03 03:48:36.562500	10	LOCKING_ALS_XY	13.4375	0.14658159	0.08048801	0.010944912	0.0114361495
1078	1356746710.0625	2023-01-03 02:04:52.062500	2023-01-03 11:04:52.062500	305	FIND_IR_RESONANCE	8.6875	1.0452874	0.35160667	0.00033696217	-0.0060371403
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
539	1356565956.6875	2022-12-31 23:52:18.687500	2023-01-01 08:52:18.687500	405	HANDOVER_ALS_TO	5.875	1.0682248	0.4476232	7.6228695	24.134712
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
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
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
729	1356634474.5625	2023-01-01 18:54:16.562500	2023-01-02 03:54:16.562500	110	ENGAGE_ALS_CARM	5.0625	1.0468698	0.35965028	0.0051463386	-0.0149240075
359	1356526901.0625	2022-12-31 13:01:23.062500	2022-12-31 22:01:23.062500	110	ENGAGE_ALS_CARM	4.25	0.46690005	0.45561308	0.011872724	0.029411454
448	1356545285.9375	2022-12-31 18:07:47.937500	2023-01-01 03:07:47.937500	110	ENGAGE_ALS_CARM	4.125	1.1059225	0.4430269	0.0029420177	0.001460942
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
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
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
268	1356505012.9375	2022-12-31 06:56:34.937500	2022-12-31 15:56:34.937500	110	ENGAGE_ALS_CARM	3.6875	0.47672975	0.45073658	0.010297351	0.0051189885
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	0.50444013	0.012329798	0.007375501
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
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
343	1356523691.9375	2022-12-31 12:07:53.937500	2022-12-31 21:07:53.937500	110	ENGAGE_ALS_CARM	3.0	0.4317476	0.3731242	0.0078022843	-0.015948504
622	1356601698.4375	2023-01-01 09:48:00.437500	2023-01-01 18:48:00.437500	110	ENGAGE_ALS_CARM	2.875	0.4126625	0.34668002	0.012860568	0.012765628
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
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
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
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
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
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
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
1092	1356751018.3125	2023-01-03 03:16:40.312500	2023-01-03 12:16:40.312500	110	ENGAGE_ALS_CARM	1.625	0.56043375	0.14607878	0.007973302	0.035780318
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
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
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
822	1356663669.9375	2023-01-02 03:00:51.937500	2023-01-02 12:00:51.937500	205	ENGAGE_FNC_XY	1.0625	0.44476256	0.39438605	0.043809775	0.37789083
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
1096	1356753068.3125	2023-01-03 03:50:50.312500	2023-01-03 12:50:50.312500	110	ENGAGE_ALS_CARM	0.8125	0.39867347	0.12696438	0.0054403325	-0.0037017604
995	1356717311.6875	2023-01-02 17:54:53.687500	2023-01-03 02:54:53.687500	110	ENGAGE_ALS_CARM	0.75	0.2939574	0.15515873	0.013848082	0.0006461756
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
723	1356633940.375	2023-01-01 18:45:22.375000	2023-01-02 03:45:22.375000	110	ENGAGE_ALS_CARM	0.6875	0.31801987	0.15250683	0.013019718	0.014056279
724	1356634002.6875	2023-01-01 18:46:24.687500	2023-01-02 03:46:24.687500	110	ENGAGE_ALS_CARM	0.6875	0.3172636	0.16717441	0.010266768	0.031658262
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
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
256	1356501890.5625	2022-12-31 06:04:32.562500	2022-12-31 15:04:32.562500	110	ENGAGE_ALS_CARM	0.625	0.34700683	0.16602974	0.0022921513	-0.011353581
725	1356634051.4375	2023-01-01 18:47:13.437500	2023-01-02 03:47:13.437500	110	ENGAGE_ALS_CARM	0.625	0.66494	0.46200824	0.0054346453	-0.00020297244
1006	1356720367.5625	2023-01-02 18:45:49.562500	2023-01-03 03:45:49.562500	110	ENGAGE_ALS_CARM	0.625	0.33791947	0.12797192	0.010693935	0.029712461
1007	1356720396.5625	2023-01-02 18:46:18.562500	2023-01-03 03:46:18.562500	110	ENGAGE_ALS_CARM	0.625	0.36658075	0.14390309	0.006140662	0.013620868
1008	1356720432.3125	2023-01-02 18:46:54.312500	2023-01-03 03:46:54.312500	110	ENGAGE_ALS_CARM	0.625	0.37927037	0.20163845	0.008627158	-0.0055974415
1099	1356753409.6875	2023-01-03 03:56:31.687500	2023-01-03 12:56:31.687500	110	ENGAGE_ALS_CARM	0.625	0.35774145	0.16513024	0.011889954	0.012190465
79	1356446201.5625	2022-12-30 14:36:23.562500	2022-12-30 23:36:23.562500	205	ENGAGE_FNC_XY	0.5625	0.42690235	0.48076147	0.01575336	-0.02375076
86	1356450586.0625	2022-12-30 15:49:28.062500	2022-12-31 00:49:28.062500	205	ENGAGE_FNC_XY	0.5625	0.45017716	0.44188756	0.0033282472	-0.019216646
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
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
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
628	1356602983.0625	2023-01-01 10:09:25.062500	2023-01-01 19:09:25.062500	110	ENGAGE_ALS_CARM	0.25	0.27347767	0.11784981	0.008412215	0.0023634136
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
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
16	1356337386.75	2022-12-29 08:22:48.750000	2022-12-29 17:22:48.750000	100	ALS_XY_LOCKED					

264	1356503945.6875	2022-12-31 06:38:47.687500	2022-12-31 15:38:47.687500	100	ALS_XY_LOCKED	0.1875	0.25337648	0.10736646	0.004821236	0.019074613
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
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
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
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
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
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
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
345	1356523913.1875	2022-12-31 12:11:35.187500	2022-12-31 21:11:35.187500	100	ALS_XY_LOCKED	0.1875	0.24821474	0.14326656	0.015823234	0.017628731
347	1356524095.125	2022-12-31 12:14:37.125000	2022-12-31 21:14:37.125000	100	ALS_XY_LOCKED	0.1875	0.2626434	0.13349436	0.0100274235	0.011139315
357	1356526593.75	2022-12-31 12:56:15.750000	2022-12-31 21:56:15.750000	100	ALS_XY_LOCKED	0.1875	0.28630322	0.11747122	0.010771655	-0.006994303
361	1356527235.375	2022-12-31 13:06:57.375000	2022-12-31 22:06:57.375000	100	ALS_XY_LOCKED	0.1875	0.24193095	0.12002984	0.010516172	-0.0030336138
362	1356527247.75	2022-12-31 13:07:09.750000	2022-12-31 22:07:09.750000	100	ALS_XY_LOCKED	0.1875	0.2576271	0.110654026	0.009387489	0.013645337
365	1356528110.6875	2022-12-31 13:21:32.687500	2022-12-31 22:21:32.687500	100	ALS_XY_LOCKED	0.1875	0.24346356	0.1363359	0.0067942054	0.029165994
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
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
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
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
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
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
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
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
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
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
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
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
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
530	1356564178.9375	2022-12-31 23:22:40.937500	2023-01-01 08:22:40.937500	100	ALS_XY_LOCKED	0.1875	0.3138595	0.1811116	0.006860841	-0.0073022735
531	1356564187.875	2022-12-31 23:22:49.875000	2023-01-01 08:22:49.875000	100	ALS_XY_LOCKED	0.1875	0.2545456	0.124982305	0.008100588	-0.012410723
537	1356565690.6875	2022-12-31 23:47:52.687500	2023-01-01 08:47:52.687500	100	ALS_XY_LOCKED	0.1875	0.25724363	0.118735954	0.0117417965	0.0035659568
547	1356578948.4375	2023-01-01 03:28:50.437500	2023-01-01 12:28:50.437500	100	ALS_XY_LOCKED	0.1875	0.25122362	0.117051266	0.0065805176	0.00011596363
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
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
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
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
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
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
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
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
620	1356601677.4375	2023-01-01 09:47:39.437500	2023-01-01 18:47:39.437500	100	ALS_XY_LOCKED	0.1875	0.26416692	0.11642126	0.011647528	0.018752784
621	1356601686.4375	2023-01-01 09:47:48.437500	2023-01-01 18:47:48.437500	100	ALS_XY_LOCKED	0.1875	0.23924533	0.13417579	0.008040101	-0.014372718
633	1356604569.25	2023-01-01 10:35:51.250000	2023-01-01 19:35:51.250000	100	ALS_XY_LOCKED	0.1875	0.24252708	0.098800056	0.010304764	0.053712226
638	1356605915.6875	2023-01-01 10:58:17.687500	2023-01-01 19:58:17.687500	100	ALS_XY_LOCKED	0.1875	0.21633577	0.11156266	0.011158323	0.009274762
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
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
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
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
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
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
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
688	1356621310.9375	2023-01-01 15:14:52.937500	2023-01-02 00:14:52.937500	100	ALS_XY_LOCKED	0.1875	0.2621815	0.11257514	0.017765746	0.0077221403
712	1356629713.3125	2023-01-01 17:34:55.312500	2023-01-02 02:34:55.312500	100	ALS_XY_LOCKED	0.1875	0.25739524	0.118484445	0.0052470868	0.0011385884
727	1356634234.4375	2023-01-01 18:50:16.437500	2023-01-02 03:50:16.437500	100	ALS_XY_LOCKED	0.1875	0.21400347	0.10434093	0.0098543735	-0.0044775866
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
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
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
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
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
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
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
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
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		

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
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
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
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
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
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
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
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
986	1356715234.0	2023-01-02 17:20:16	2023-01-03 02:20:16	100	ALS_XY_LOCKED	0.1875	0.2752182	0.11123968	0.009378475	0.018280625
987	1356715243.0	2023-01-02 17:20:25	2023-01-03 02:20:25	100	ALS_XY_LOCKED	0.1875	0.2494857	0.087302566	0.00826512	0.006037779
988	1356715251.9375	2023-01-02 17:20:33.937500	2023-01-03 02:20:33.937500	100	ALS_XY_LOCKED	0.1875	0.26246646	0.08902727	0.007911844	-0.018935293
991	1356715866.9375	2023-01-02 17:30:48.937500	2023-01-03 02:30:48.937500	100	ALS_XY_LOCKED	0.1875	0.25454736	0.10542244	0.008564537	0.051047433
999	1356718145.375	2023-01-02 18:08:47.375000	2023-01-03 03:08:47.375000	100	ALS_XY_LOCKED	0.1875	0.25606573	0.15034544	0.006273657	0.005987877
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
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
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
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
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
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
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
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
1079	1356746864.4375	2023-01-03 02:07:26.437500	2023-01-03 11:07:26.437500	100	ALS_XY_LOCKED	0.1875	0.23092556	0.1171046	0.0152161345	0.008304108
1091	1356751007.5625	2023-01-03 03:16:29.562500	2023-01-03 12:16:29.562500	100	ALS_XY_LOCKED	0.1875	0.22669506	0.10061149	0.01216632	0.005588212
1098	1356753399.125	2023-01-03 03:56:21.125000	2023-01-03 12:56:21.125000	100	ALS_XY_LOCKED	0.1875	0.29289818	0.21651478	0.011267347	0.013646186
1100	1356753418.625	2023-01-03 03:56:40.625000	2023-01-03 12:56:40.625000	100	ALS_XY_LOCKED	0.1875	0.22045949	0.08798987	0.0068644835	0.04672947
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
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	0.11070573	0.016241612	0.01882057
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
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
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
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
726	1356634222.5	2023-01-01 18:50:04.500000	2023-01-02 03:50:04.500000	200	ALS_CARM_LOCKED	0.1875	0.97750354	0.3626238	0.0065273703	0.016729418
720	1356633160.75	2023-01-01 18:32:22.750000	2023-01-02 03:32:22.750000	105	SET_LASER_POWER_I	0.125	0.30656856	0.17466074	0.0065434296	0.0043302933
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
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
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
627	1356602973.625	2023-01-01 10:09:15.625000	2023-01-01 19:09:15.625000	110	ENGAGE_ALS_CARM	0.125	0.34962663	0.17115518	0.0066531124	0.039420355