

Date	N ₀ ⁺ (1-30keV)	N _H ⁺ (HPCA)	Ni (FPI)	Position			AE index	IMF			Solar wind		
				Rx	Ry	Rz		Bx	By	Bz	Density	Pressure	Velocity
2015-10-03/07:20-07:35	0.0852	8.665	8.059	7.924	5.148	-3.039	530.188	-6.693	6.429	-5.050	5.447	1.711	395.821
2015-10-03/15:30-15:35	0.019	15.300	15.185	5.831	8.840	-5.035	775.500	-4.737	-3.845	-3.942	8.595	2.385	372.150
2015-10-04/09:20-09:30	0.066	3.884	2.794	8.147	6.287	-4.297	551.818	-7.468	5.159	-0.552	2.159	0.994	480.000
2015-10-08/16:38-16:42	0.034	4.557	2.886	5.485	8.621	-4.418	697.600	-0.558	-0.594	-5.338	1.827	2.023	744.100
2015-10-09/15:05-15:10	0.019	4.821	3.139	6.614	8.263	-4.885	953.833	-4.038	-2.435	-0.082	2.552	2.116	644.040
2015-10-10/07:10-07:15	0.022	2.200	1.614	8.680	4.768	-2.840	780.667	-5.092	0.693	-2.348	1.270	0.923	603.633
2015-10-18/15:05-15:10	0.204	6.609	5.206	7.268	7.504	-4.396	602.000	-3.403	0.423	-3.292	4.763	1.938	451.433
2015-11-08/14:20-14:25	0.093	4.629	3.299	8.552	5.343	-3.136	624.167	-6.512	6.132	-3.520	2.970	1.213	451.500
2015-11-16/14:20-14:25	0.179	10.410	11.197	8.490	4.580	-2.588	873.667	-3.225	3.158	-5.740	5.497	1.458	364.167
2016-09-26/13:40-13:45	0.035	4.052	4.196	3.195	7.324	-5.318	517.500	-4.700	4.693	-6.038	9.015	3.153	418.117
2016-09-28/21:15-21:20	0.077	1.753	1.862	-0.244	11.499	-2.821	613.667	-4.660	4.937	2.095	4.138	3.760	673.383
2016-09-29/16:10-16:15	0.009	2.705	2.909	2.494	9.773	-5.082	832.667	-5.688	0.307	-0.010	2.430	2.123	661.833
2016-09-30/18:15-18:20	0.007	1.660	1.586	1.602	11.027	-4.141	1034.670	0.817	4.380	-1.263	2.947	2.217	613.200
2016-10-01/19:00-19:05	0.008	4.288	4.183	1.344	11.294	-3.720	818.333	-4.800	3.188	0.455	3.370	1.950	537.850
2016-10-02/19:45-19:50	0.007	2.386	2.480	1.076	11.445	-3.302	601.000	-2.505	0.973	-3.748	4.390	2.417	524.867

2016-10-02/20:45-20:50	0.013	3.459	3.413	0.536	11.487	-2.847	754.500	-3.813	4.267	-2.760	4.970	2.652	516.450
2016-10-10/19:05-19:10	0.019	10.806	13.691	2.444	11.242	-3.219	515.000	-1.855	-5.317	-3.577	16.104	4.380	369.100
2016-10-16/19:15-19:20	0.010	2.132	2.012	3.088	11.085	-2.730	511.000	1.180	-1.388	-4.505	3.332	3.363	710.517
2016-10-24/17:00-17:05	0.013	10.222	12.095	5.228	10.248	-3.330	615.167	-4.968	-2.340	3.475	7.186	2.084	380.940
2016-10-25/19:35-19:40	0.110	3.711	3.400	3.871	10.630	-1.845	533.833	-7.228	-2.135	-2.095	4.784	4.426	679.940
2016-10-26/20:30-20:35	0.077	1.376	1.193	3.352	10.428	-1.329	611.667	-3.675	1.825	2.790	3.005	2.458	639.425
2016-10-27/09:55-10:00	0.039	1.300	1.298	7.079	5.093	-3.753	602.000	-1.590	1.937	-4.925	2.700	2.018	611.117
2016-10-27/13:20-13:25	0.007	4.775	4.795	6.941	8.013	-4.363	857.000	-4.160	1.272	1.738	2.403	1.482	555.067
2016-10-30/10:38-10:42	0.041	6.775	6.563	7.540	5.815	-3.895	590.200	0.768	5.598	-1.040	2.574	1.958	616.600
2016-10-30/14:19-14:24	0.027	2.397	2.296	7.037	8.650	-3.938	689.500	-2.507	5.683	-0.323	1.985	1.280	568.500
2016-11-01/14:25-14:30	0.026	4.780	4.791	7.238	8.656	-3.735	825.500	-5.298	3.512	-2.667	4.002	1.678	457.800
2016-11-03/15:00-15:05	0.013	9.040	11.733	7.255	8.917	-3.352	538.833	-3.302	1.390	-4.557	5.715	1.705	386.300
2016-11-10/18:00-18:05	0.099	10.036	12.326	6.326	9.367	-1.185	505.833	4.717	-12.147	-3.753	11.032	3.937	422.333
2016-11-24/18:34-18:39	0.146	12.607	14.226	6.552	7.823	0.411	980.333	-4.878	8.120	4.402	9.498	4.230	471.733
2016-12-09/17:55-18:00	0.066	14.206	16.218	7.119	5.964	1.317	867.000	2.483	-4.498	-2.842	3.253	2.928	670.817
2016-12-26/15:00-15:05	0.013	12.586	14.316	9.381	3.479	3.479	793.000	-4.730	0.708	-1.826	2.875	2.380	643.100