No. crt.	Year	Month	Day	3-h	V0 (km/s)	V1 (km/s)	Δt1	Vmax (km/s)	Dur (days)	ΔV1 (km/s)	ΔVM (km/s)	I	Source	IMF	Dst_min (nT)	Dst_date (mm:dd:hh)	Bz_min (nT)	Bz_date (mm:dd:hh)	SSC_date (mm:dd:hh)	Energy estimate ΔWε (J)	Energy estimate ΔW (J)	SYM-H_min (nT)	SYM-H_date (mm:dd:hh:min)
1	2017	1	3	1	370	499	13	722.7	10	129	352.7	3527	CH782	-	-33	01:05:23	-4.2	01:05:22				-47	01:05:23:23
2	2017	1	17	7	301	569.7	7	608.3	7.6	268.7	307.3	2335.48	CH786	+	-32	01:19:03	-1.6	01:19:02				-41	01:19:02:12
3	2017	1	25	4	332.7	558	12	624	4.9	225.3	291.3	1427.37	CH787	+									
4	2017	1	30	3	400.7	746	12	746	10	345.3	345.3	3453	CHs788, 789	-	-31	01:31:18	-5	01:31:15				-39	01:31:18:29
															-45	02:01:09	-1	02:01:08				-40	02:01:10:11
															-43	02:03:08	-3.1	02:03:06				-40	02:03:08:46
5	2017	2	15	2	299.7	428.3	14	577.7	7.9	128.6	278	2196.2	CH790	+									
6	2017	2	23	1	374	580.7	7	632.7	4.1	206.7	258.7	1060.67	CH791	+									
7	2017	3	1	2	389	667.3	6	708.7	9.9	278.3	319.7	3165.03	CH792	-	-61	03:01:21	-4.6	03:01:19		2.21E+17	1.13E+18	-74	03:01:22:17
															-46	03:03:10	-3.9	03:03:09				-54	03:03:10:24
															-30	03:04:23	-1.8	03:04:23				-38	03:04:22:17
															-32	03:06:16	-2.7	03:06:13				-28	03:06:16:52
															-32	03:09:16	-2.4	03:09:16				-30	03:09:15:24
8	2017	3	20	3	310.7	608	13	673.7	6.5	297.3	363	2359.5	CH797	+	-35	03:23:00	-3.4	03:22:21				-46	03:22:23:36
9	2017	3	26	7	365	656	9	696.3	9.6	291	331.3	3180.48	CH798	-	-73	03:27:16	-6.4	03:27:12		1.57E+17	1.65E+18	-86	03:27:14:45
															-33	03:28:19	-1.4	03:28:18				-42	03:28:19:16
															-33	03:30:05	-2.7	03:30:04				-52	03:30:05:23
															-32	03:31:16	-2.1	03:31:16				-49	03:31:15:41
10	2017	4	7	5	403	600.7	9	600.7	3.6	197.7	197.7	711.72	CH800	-									
11	2017	4	18	5	312.7	447.3	10	757.3	11.4	134.7	444.7	5069.58	CHs801, 802, CME	+/-,-	-39	04:20:04	-6.8	04:20:03				-48	04:20:04:28
															-50	04:22:16	-4.8	04:22:14		2.74E+17	3.29E+18	-39	04:22:15:23
															-48	04:23:20	-2.1	04:23:19				-44	04:23:20:34
															-30	04:25:22	-0.9	04:25:21				-34	04:24:18:16
12	2017	5	14	3	303.7	569.7	13	598.3	4.5	266	294.7	1326.15	CH803	+									
13	2017	5	18	7	371.3	582.7	9	719.3	6.9	211.4	348	2401.2	CH804	-	-39	05:20:14	-2.9	05:20:13				-37	05:20:13:22
14	2017	6	3	3	352	472.3	5	472.3	3.2	120.3	120.3	384.96	CH*	+									
15	2017	6	10	8	268.7	413.3	7	515.7	5.1	144.6	247	1259.7	CH*	+									
16	2017	6	16	1	366.3	609.7	6	609.7	4.4	243.4	243.4	1070.96	CHs807, 808	-	-31	06:17:00	-5.7	06:16:21				-38	06:17:00:00
17	2017	6	24	1	363.3	487.3	15	549.7	6	124	186.4	1118.4	CH809	+									
18	2017	7	8	7	322	553	8	642.7	6.8	231	320.7	2180.76	CH812	+									
19	2017	7	20	2	382	665	11	681.3	12	283	299.3	3591.6	CHs815, 816	+	-33	07:21:02	-5.6	07:21:01				-41	07:21:02:19
20	2017	8	1	2	318.7	448.3	5	448.3	2	129.7	129.7	259.4	CH817	-									
21	2017	8	3	2	345.3	695.7	12	695.7	6.5	350.4	350.4	2277.6	CH818	+	-30	08:04:15	-2.6	08:03:15				-35	08:04:14:44
22	2017	8	11	1	378	576.3	15	598	4.8	198.3	220	1056	CH819	-									
23	2017	8	16	4	359.7	533	12	734	8.6	173.3	374.3	3218.98	CH820	+	-35	08:19:08	-5	08:19:07				-40	08:19:08:34
															-30	08:22:07	-4.5	08:22:02				-37	08:22:07:31
															-48	08:23:12	-6.1	08:23:11				-52	08:23:12:35
24	2017	8	30	7	350	619.3	6	632	4.8	269.3	282	1353.6	CH822	+	-51	08:31:11	-6.8	08:31:11	08:31:05	2.38E+16	1.56E+17	-64	08:31:11:48
25	2017	9	14	3	336	676	8	709.3	8.2	340	373.3	3061.06	CH823	+	-34	09:14:20	-2.9	09:14:16	09:14:11				
															-30	09:16:05	-3.4	09:16:04					
26	2017	9	26	7	313.3	629	9	688.3	6.1	315.7	375	2287.5	CH826	+	-55	09:28:06	-6.9	09:28:05		6.45E+17	4.36E+18	-74	09:28:05:55
															-33	10:01:01	-4	09:30:23				-49	10:01:01:06
27	2017	10	10	6	313.7	463.7	10	698	8.5	150	384.3	3266.55	CH828	+	-41	10:12:04	-2.8	10:12:05				-49	10:12:04:14
															-48	10:13:20	-2.8	10:13:18				-66	10:14:00:22
															-45	10:15:04	-3.1	10:15:00				-58	10:15:04:52
28	2017	10	19	2	346	465.3	6	465.3	2	119.3	119.3	238.6	CH829	+									
29	2017	10	21	2	343.3	475.3	6	475.3	3.1	132	132	409.2	CH830	-									
30	2017	10	24	3	345	565.7	5	612.3	5	220.7	267.3	1336.5	CH831	+	-47	10:26:14	-4.8	10:26:13				-44	10:26:14:15
31	2017	11	1	1	282.3	391	15	415.3	5.6	108.7	133	744.8	CH833	-									
32	2017	11	6	6	292.7	619.7	10	681	7.1	327	388.3	2756.93	CH834	+	-74	11:08:01	-3.6	11:08:01		1.79E+17	1.81E+18	-87	11:08:01:23
															-45	11:10:07	-3.8	11:10:06				-53	11:10:07:11
33	2017	11	15	2	376.7	495.7	8	495.7	4.2	119	119	499.8	CH835	+								-33	11:15:09:29
34	2017	11	20	5	341.3	604	9	604	5.4	262.7	262.7	1418.58	CH837	+	-43	11:21:06	-6.7	11:21:05				-60	11:21:06:50
35	2017	11	26	6	297.7	467	8	486.3	7.8	169.3	188.6	1471.08	CH838	-									
36	2017	12	4	4	313.3	594.7	12	608.7	6.4	281.4	295.4	1890.56	CH839	+	-46	12:04:21	-11.1	12:04:17	12:04:16			-46	12:04:20:28
37	2017	12	10	7	318.3	476.3	7	506.3	5.9	158	188	1109.2	CH840	+									
38	2017	12	16	6	325.3	636.7	8	636.7	6	311.4	311.4	1868.4	CH842	+									
39	2017	12	23	1	331.3	555.3	14	555.3	6.2	224	224	1388.8	CH843	-									