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	2018	1	7	4	285.3	499	12	534.7	5.8	213.7	249.4	1446.52	CH845	+									
2	2018	1	13	2	322	525.7	6	578	4.5	203.7	256	1152	CH847	+									
3	2018	1	20	2	369	502	13	533	4.1	133	164	672.4	CH848	-									
4	2018	2	16	5	353.7	512	9	606	4.6	158.3	252.3	1160.58	CH851	-									
5	2018	2	22	1	387.3	542.7	11	542.7	3.8	155.4	155.4	590.52	CH853	-	-31	02:23:11	-4.5	02:23:09				-32	02:23:11:15
6	2018	2	26	2	370.7	541.7	12	541.7	3.5	171	171	598.5	CH854	-	-30	02:27:13	-5.7	02:27:12				-60	02:27:13:03
7	2018	3	8	7	332.7	441.7	9	441.7	5.2	109	109	566.8	CH*	+	-39	03:10:05	-9.2	03:10:02				-49	03:10:04:32
8	2018	3	14	2	316	484	12	585.3	7.4	168	269.3	1992.82	CH857	-	-35	03:16:05	-4.5	03:16:03				-46	03:16:04:52
															-50	03:18:21	-6.9	03:18:19		1.13E+17	1.78E+18	-53	03:18:21:45
9	2018	3	22	5	325.3	469	11	536.3	6.9	143.7	211	1455.9	CH858	-									
10	2018	4	8	8	349.3	471	7	582.3	6.2	121.7	233	1444.6	CH860	-	-30	04:10:14	-2.9	03:10:13				-34	04:10:14:06
11	2018	4	19	6	280	600.3	10	613.7	6.1	320.3	333.7	2035.57	CH861	-	-66	04:20:09	-13.5	04:20:08	04:20:00	1.21E+16	1.80E+18	-86	04:20:09:35
12	2018	5	5	3	324	595.3	5	662	10.1	271.3	338	3413.8	CH863	-	-56	05:06:01	-5.2	05:06:00	05:05:10	6.08E+16	8.82E+17	-64	05:06:01:20
															-36	05:07:04	-3.2	05:07:04				-37	05:07:04:02
															-31	05:10:17	-2.8	05:10:15				-34	05:10:17:06
															-37	05:11:20	-4.9	05:11:19				-38	05:11:20:50
13	2018	5	16	4	308.7	412.7	12	440.3	5.6	104	131.6	736.96	CH864	-	-32	05:17:19	-6.8	05:17:16				-38	05:17:20:13
14	2018	5	22	4	298.7	509	12	509	4.2	210.3	210.3	883.26	CH865	+									
15	2018	5	30	4	322.7	470	12	697	8.4	147.3	374.3	3144.12	CH867	-	-39	06:01:19	-1.3	06:01:17				-32	06:01:19:01
16	2018	6	17	6	302.3	517.7	7	517.7	5.4	215.4	215.4	1163.16	CH869	+	-35	06:18:03	-11.4	06:18:01				-40	06:18:02:57
17	2018	6	23	1	339	480.3	7	487.3	2.5	141.3	148.3	370.75	CH870	+									
18	2018	6	25	5	405	608.3	11	611.7	4.6	203.3	206.7	950.82	CH871	-	-48	06:26:01	-8	06:25:21				-48	06:26:02:00
19	2018	7	4	8	318.3	435.3	7	489.3	6.4	117	171	1094.4	CH873	+									
20	2018	7	11	3	322.3	428	13	476.7	4.9	105.7	154.4	756.56	CH*	+									
21	2018	7	16	2	323	438.7	13	438.7	3.9	115.7	115.7	451.23	CH874	+									
22	2018	7	20	1	391	534.7	13	534.7	3.9	143.7	143.7	560.43	CH875	+									
23	2018	7	23	8	390.3	578.3	6	580.3	3.4	188	190	646	CH876	-									
24	2018	8	7	1	328	434.3	14	434.3	7.6	106.3	106.3	807.88	CH828	+									
25	2018	8	14	7	319	472.7	9	534.7	4.8	153.7	215.7	1035.36	CH880	+	-34	08:16:04	-3.5	08:16:01				-41	08:16:02:03
															-37	08:17:04	-5.3	08:17:02				-49	08:17:04:23
26	2018	8	19	5	416.7	657.7	11	657.7	3.6	241	241	867.6	CH881	-									
27	2018	8	25	1	334.3	521	15	613	8.4	186.7	278.7	2341.08	CH*, CME, CH882	+	-174	08:26:06	-16.8	08:26:05		1.40E+17	1.27E+18	-205	08:26:07:10
28	2018	9	4	1	353.7	475	10	482	6.4	121.3	128.3	821.12	CH883	-									
29	2018	9	10	4	354.7	469	4	676	6.5	114.3	321.1	2087.15	CH884	+	-60	09:11:10	-7.9	09:11:08		3.51E+16	3.86E+17	-64	09:11:10:07
30	2018	9	16	8	381.7	555	8	555	3.4	173.3	173.3	589.22	CH885	-									
31	2018	9	21	2	324.3	553.7	13	553.7	10.1	229.4	229.4	2316.94	CH886, CH*	-/+,+	-48	09:22:03	-6.9	09:22:01				-43	09:22:03:19
32	2018	10	1	3	363.7	522.7	7	522.7	5.3	159	159	842.7	CH887	+/-,-									
33	2018	10	7	2	351	563	6	608.7	5.9	212	257.7	1520.43	CH888	+	-53	10:07:21	-5.7	10:07:19		4.76E+16	6.66E+17	-56	10:07:21:53
															-35	10:09:23	-2.6	10:09:20				-36	10:09:23:12
															-41	10:11:01	-2.9	10:11:01				-49	10:11:01:33
34	2018	10	13	5	340	584.3	10	607.7	5.2	244.3	267.7	1392.04	CH889	-	-35	10:13:19	-5.8	10:13:17	10:13:17			-49	10:13:19:03
35	2018	10	21	3	286.3	387	8	415.3	9.3	100.7	129	1199.7	CHs890, 891	-									
36	2018	11	4	4	339.3	451.3	11	595	5.1	112	255.7	1304.07	CH892	+	-53	11:05:05	-6.5	11:05:04		2.11E+17	1.50E+18	-65	11:05:06:00
															-36	11:06:09	-2.7	11:06:09				-31	11:06:09:13
37	2018	11	9	5	388.7	596	11	627	5.5	207.3	238.3	1310.65	CH893	-	-42	11:09:21	-6.8	11:09:19				-45	11:09:21:41
38	2018	11	19	8	320.3	422.3	5	422.3	6.5	102	102	663	CH895	-									
39	2018	11	27	1	299	413.3	7	420.3	4	114.3	121.3	485.2	CH896	-									
40	2018	12	1	1	309.3	447.7	14	472.7	5.6	138.4	163.4	915.04	CH897	+									
41	2018	12	6	6	378	503.3	9	650.7	7.1	125.3	272.7	1936.17	CH898	-									
42	2018	12	16	5	301.3	414.7	10	612.7	10.9	113.4	311.4	3394.26	CH900	-									
43	2018	12	27	4	323.3	594	11	594	6.6	270.7	270.7	1786.62	CH901	+									