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	2009	1	18	2	317,7	474.3	13	474.3	4.8	156.6	156.6	751.7	CH356	–									
2	2009	1	30	6	349	466.7	10	472.7	3	117.7	123.7	371.1	CH358	+									
3	2009	2	13	7	298.3	545.7	9	577.3	5.4	247.4	279	1506.6	CH359	–	-38	02:14:15	-3.7	02:14:14		5.93E+16	5.70E+17	-37	02:04:18:47
4	2009	2	20	2	324.7	427	14	464	6.5	102.3	139.3	905.5	CH360	+									
5	2009	3	7	8	314	440.3	6	440.3	2.4	126.3	126.3	303.1	CH362	+									
6	2009	3	12	4	344.3	545.7	12	559	6.1	201.4	214.7	1309.7	CH364	–	-32	03:13:08	-4.7	03:13:07		1.00E+17	6.64E+17	-38	03:13:08:27
7	2009	3	19	8	295	407.7	8	435	4.3	112.7	140	602	CH365	+									
8	2009	4	4	2	274.3	411.7	14	416.3	4.6	137.4	142	653.2	CH*	+									
9	2009	4	8	7	314.7	470.7	9	548.3	6.9	156	233.6	1611.8	CH366	–									
10	2009	4	15	8	308.3	420.3	8	530.7	8	112	222.4	1779.2	CH367	+									
11	2009	5	5	8	330	449	8	507.7	7.1	119	177.7	1261.7	CH368	–									
12	2009	5	27	7	277	433	7	433	4.4	156	156	686.4	CH370	–									
13	2009	6	24	2	256.7	481.3	10	481.3	4.3	224.6	224.6	965.8	CH372	–									
14	2009	6	28	4	362.3	548.7	10	548.7	4.8	186.4	186.4	894.7	CH371	–									
15	2009	7	9	1	301.3	448.7	14	448.7	4.3	147.4	147.4	633.8	CH*	–									
16	2009	7	13	3	340.7	528.3	9	528.3	4.3	187.6	187.6	806.7	CH373	+									
17	2009	7	21	7	307	459.3	6	558.7	8.8	152.3	251.7	2215	CH374	–	-83	07:22:06	-14.5	07:22:04		3.66E+16	2.15E+17	-95	07:22:05:54
18	2009	8	5	5	364	502	8	509.3	4.9	138	145.3	712	CH376	–	-36	08:06:07	-5.8	08:06:06		8.72E+15	1.04E+17	-53	08:06:06:49
19	2009	8	19	1	335.7	537.7	15	537.7	6.5	202	202	1313	CH377	–									
20	2009	8	29	5	325.3	470	10	470	4.9	144.7	144.7	709	CH*	–									
21	2009	9	3	4	330	485.7	10	485.7	4.8	155.7	155.7	747.4	CH378	–									
22	2009	9	13	4	288.7	401	12	467.7	7	112.3	179	1253	CH379	–									
23	2009	10	10	6	255.3	436.3	9	436.3	4.5	181	181	814.5	CH382	–									
24	2009	10	15	2	303.7	429.3	5	429.3	3.4	125.7	125.7	427.4	CH383	–									
25	2009	11	7	7	257.3	431.7	9	431.7	4.3	174.4	174.4	749.9	CH*	–									
26	2009	11	20	1	340.3	548	14	548	4.1	207.7	207.7	851.6	CH385	–									
27	2009	12	5	2	237	415.3	10	415.3	7	178.3	178.3	1248.1	CH*	–									
28	2009	12	16	1	284.7	389.3	15	431.3	7	104.6	146.6	1026.2	CH387	–									
29	2009	12	23	1	337	438.7	10	438.7	2.1	101.7	101.7	213.6	CH*	+									