

No. crt.	Year	Month	Day	3-h	V0 (km/s)	V1 (km/s)	Δt_1	Vmax (km/s)	Dur (days)	ΔV_1 (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 ΔW_ϵ (J)	Energy estimate ΔW (J)	SYM-H_min (nT)	SYM-H_date (mm:dd:hh:min)
1	2010	1	10	2	283	489	12	507.7	10.1	206	224.7	2269.47	CH596	-									
2	2010	1	20	3	301.3	513.7	5	513.7	10.1	212.4	212.4	2145.24	CH575	+	-34	01:20:22	-4.8	01:20:22				-42	01:20:22:46
3	2010	2	1	2	329.7	483	12	557	5.1	153.3	227.3	1159.23	CH*	-	-59	02:15:23	-12	02:15:19		1.08E+15	1.18E+17	-61	02:15:22:21
4	2010	3	10	1	352.7	493.3	14	542.7	5.2	140.6	190	988	CH395	-									
5	2010	3	16	3	352.7	494	9	494	5.8	141.3	141.3	819.54	CH396	+									
6	2010	4	1	5	372.7	515	11	781.3	10.2	142.3	408.6	4167.72	CH398	-	-81	04:06:14	-6.8	04:06:09	04:05:08	3.23E+17	4.28E+18	-76	04:06:14:23
7	2010	4	14	1	387	499	9	499	3.5	112	112	392	CH399	+									
8	2010	4	20	3	313.7	433	13	452.3	11.8	119.3	138.6	1635.48	CHs400, 401	+,+/-									
9	2010	5	2	1	315.3	635	6	708	9	319.7	392.7	3534.3	CH402	-	-71	05:02:18	-8.2	05:02:11	05:02:09	4.22E+16	3.20E+17	-59	05:02:17:11
10	2010	5	19	3	350.7	495.7	5	495.7	4.6	145	145	667	CH404	+									
11	2010	5	29	6	334	498	10	599	4.2	164	265	1113	CH406	-	-80	05:29:12	-13.8	05:29:11		1.22E+17	9.74E+17	-73	05:29:12:32
12	2010	6	2	8	432.7	550.7	6	573	3.8	118	140.3	533.14	CH406	-	-53	06:04:01	-5.9	06:03:23		2.65E+15	5.84E+16	-58	06:04:00:55
13	2010	6	9	7	307	459	7	459	4.9	152	152	744.8	CH407	+									
14	2010	6	14	6	360.3	502.3	9	565	7.2	142	204.7	1473.84	CH408	+	-36	06:16:03	-5.7	06:16:02				-37	06:16:03:13
15	2010	6	25	4	352.3	454.7	8	673	11	102.4	320.7	3527.7	CH410	-									
16	2010	7	14	1	303.7	415	7	455.7	4.5	111.3	152	684	CH413	+									
17	2010	7	24	8	347.3	448.7	7	679.7	9.6	101.4	332.4	3191.04	CHs414, 415	-									
18	2010	8	8	6	342.3	452.7	10	486	3.9	110.4	143.7	560.43	CH416	+									
19	2010	8	23	1	275.7	675	12	682.3	15.1	399.3	406.6	6139.66	CH418	-	-34	08:24:12	-2.1	08:24:11				-35	08:24:12:09
20	2010	9	7	2	346.3	487	4	487	2.1	140.7	140.7	295.47	CH420	-/+	-38	09:08:19	-4.1	09:08:18				-40	09:08:18:31
21	2010	9	20	6	319	440.7	6	440.7	2.1	121.7	121.7	255.57	CH422	-									
22	2010	9	23	1	307	436.3	7	616	10.4	129.3	309	3213.6	CHs422, 423	-									
23	2010	10	11	1	324.7	440.7	10	440.7	3.1	116	116	359.6	CH424	+	-75	10:11:19	-11.6	10:11:10		3.00E+15	1.68E+17	-76	10:11:18:54
24	2010	10	21	6	360.7	532	10	664.3	8.4	171.3	303.6	2550.24	CH426	-	-41	10:23:22	-1.7	10:23:21				-47	10:23:21:35
25	2010	11	10	5	275.7	439.3	9	632	9.5	163.6	356.3	3384.85	CH427	-	-45	11:11:23	-8.1	11:11:21	11:10:17			-57	11:11:22:58
26	2010	11	22	3	368.3	479.3	7	479.3	4.4	111	111	488.4	CH428	-									
27	2010	12	12	5	316.3	544	11	648.7	10.1	227.7	332.4	3357.24	CH429	-	-35	12:20:11	-6.5	12:20:08	12:19:21			-40	12:20:10:43