icme_event_log_complete_with_sn

SN	Date	Time	Center (arcsec)	Skew	FLux Imbalance	Vmax(km/s)	Time to reach 1 AU	ICME ID	Start	End	Remarks	Coronal hole Confirmation
1	2010/05/28	11:44:55	(13,244)	-0.25	26	533	3 days 15:05	1288	05/28 01:52	05/29 17:59	Coronal hole signatures seen after 05/29 17:59	Yes
2	2011/06/20	11:44:43	(15,-333)	-0.33	35	599	3 days 15:05	1179	06/30 13:26	07/01 05:14	CME appears after seven days	Yes
3	2011/07/05	23:44:43	(-46,211)	0.27	29	472	4 days 8:00	1177	07/03 19:12	07/04 19:12	CME apears too early	Yes
4	2011/07/16	23:44:43	(-72,-250)	-0.24	25	646	4days 16:00	NO				Yes
5	2011/07/18	23:44:43	(36,15)	-0.14	12	503	4 days 13:00	NO			Doubtful, mostly bipolar, some of the data are missing	No
6	2012/03/13	23:44:43	(33,80)	-0.21	20	648	4 days 13:00	1070	03/15 12:35	03/16 14:10	Overlap	NO
7	2012/4/9	23:44:43	(71,1)	-0.21	23	564	3 days 23:00	1060	04/11 06:28	04/12 03:36	overlap	NO
8	2012/7/25	23:44:42	(-72,-10)	0.20	22	394	5 days 15:00	NO				Yes
9	2012/08/22	05:44:42	(48,-65)	-20	20	464	5 days 2:00	1011	08/30 15:35	08/31 05:32	CME seen beyond our time limit (perfect candidate)	Yes
10	2012/9/18	05:44:42	(24,-42)	-0.18	18	430	2 days 23:00					Yes
11	2012/11/27	08:44:42	(5,9)	-0.27	30	Low		NO			Velocity much much low than as expected (some values are nan)	NO
12	2012/12/23	13:44:42	(-62,80)	-0.27	29	Low		NO			Extremely low velocity	NO
13	2013/01/03	20:44:42	(-14,98)	-0.20	21	Low		NO			Exremely low, Nan values	NO
14	2013/01/30	23:44:42	(-25,50)	-0.26	24	427	3 days 13:00	NO			Nice candidates (few nan but not much)	Yes
15	2013/02/26	23:44:42	(-44,85)	-0.18	18	404	5 days 05:00	NO			Nice candidates (few nan but not much)	Yes
16	2013/04/23	23:44:42	(-9,261)	-0.23	24	518	3 days 05:00	923	04/30 08:52	05/02 07:12	CME seen beyond time limit (perfect candidate)	Yes
17	2013/04/28	23:44:42	(-4,228)	-0.22	23	433	2 days 11:00	923	4/30 8:52	5/2 7:12	Overlap	NO
18	2013/05/29	23:44:42	(41,31)	0.36	38	693	3 days 21:00	NO				Yes
19	2013/06/05	11:44:40	(-37,-176)	0.25	25	414	2 days 19:00	908	6/6 2:00	6/8 0:00:00	Overlap	NO
20	2013/6/26	06:44:40	(47,87)	0.38	42	419	1 day 14:00	904	06/27 13:51	06/29 11:59	CME	NO
21	2013/07/22	18:44:42	(15,25)	0.34	39	553	3 days 16:00	NO			Nice candidate	Yes
22	2013/08/18	15:44:42	(-15,-12)	0.34	40	522	3 days 16:00	NO			Nice candidate	Yes
23	2013/8/22	15:44:41	(8,123)	-0.21	20	402	2 days 13:00	No			Nice candidates (few nan but not much)	Yes
24	2013/8/31	23:44:42	(-29,-239)	-0.25	26	457	3 days 13:00	NO			Nice candidate	Yes
25	2013/9/14	02:44:42	(2,-143)	0.34	39	531	4days 16:00	NO			Nice candidate	Yes
26	2013/12/3	23:44:42	(-10,66)	0.23	24	448	5 days 7:00	846	12/8 7:31	12/09. 02:09	CME	NO
27	2013/12/31	11:44:42	(38,160)	0.29	31	504	3 days 14:00	NO			Nice candidate	Yes
28	2014/1/9	18:44:42	(37,156)	-0.28	33	502	2 days 20:00	NO			Nice Candidate	Yes
29	2014/3/20	7/3/2025	(62,123)	0.24	26	441	3 days 18:00	NO			Nice candidate	Yes
30	2014/5/31	11:44:42	(-26,-128)	-0.34	38	Very low	2 days 14:00	No			Not perfect	NO
31	2014/6/24	11:44:42	(-28,-141)	0.35	40	Very low	5 days 00:00	768	6/29 16:47	6/30 11:16	Overlap	NO
32	2014/7/24	11:44:42	(32,-143)	-0.22	21	416	4 days 03:00	NO				Yes
33	2014/12/18	21:44:42	(-7,138)	-0.24	26	506	5 days 09:00	NO				Yes
34	2015/1/15	01:44:42	(21,172)	-0.26	27	very low	1 day 00:00	NO			No (two coronal hole)	NO
35	2015/2/11	15:44:41						NO			no good high speed signal	NO
36	2015/3/22	03:44:41	(15,35)	0.28	31	527	2 days 07:00	NO				Yes
37	2015/4/5	11:44:41	(74,74)	-0.35	37	Below 400	3 days 05:00	728	04/09. 09:09	O4/11 9:36	CME (perfect overlap)	NO
38	2015/5/2	11:44:41	(50,07)	-0.17	19	below 400	4 days 03:00	726	5/6 0:56:00	5/7 14:23	CME(Perfect ovelap)	NO
39	2015/5/15	11:44:41	(18,-142)	0.37	44	501	4 days 03:00	NO				Yes
40	2015/6/10	23:44:41	(-16,-70)	0.34	36	478	2 days 5:00	No				Yes
41	2015/7/7	11:44:41	(-17,-51)	0.36	44	584	4 days 11:00	NO				Yes
42	2015/7/24	11:44:41	(-5,216)	0.33	39	476	2 days 19:00	NO				Yes
43	2015/8/12	11:44:41	(-22,-103)	0.35	39	553	4 days 10:00	NO				Yes
44	2015/8/20	09:44:41	(33,-159)	0.25	26	438	4 days 06	NO				Yes
45	2015/8/29	23:44:41	(6,-76)	0.37	42	469	6 days 21:00	NO				Yes
46	2015/9/8	11:44:41	(-7,-124)	0.32	35	460	4 days 15:00	NO				Yes
47	2015/10/4	23:44:41	(-69,-75)	0.28	30	714	2 days 21:00	716	10/6 21:35	10/7 10:04	Overlap	NO
48	2015/10/18	06:44:41	(-5,34)	-0.32	37	446	4 days 03:00(*)	No			Perfect candidate (CME is after 10/24. 7:00)	Yes
49	2015/10/31	13:44:41	(17,-96)	0.27	29	542	4 days 07:00	No			Perfect candidate(CME is after 11/6 17:46)	Yes
50	2015/11/10	11:44:41	(-36,-294)	0.35	40	455	3 days 14:00	NO			Perfect candidate	Yes
51	2015/11/27	18:44:41	(-20,-245)	0.17	18	443	3 days 07:00	NO			Way low	NO
52	2015/12/7	19:44:41	(-4,-228)	0.37	43	634	2 days 16	NO				Yes
53	2016/1/3	23:44:41	(28,-149)	0.37	42	598	2 days 02:00	NO				Yes
54	2016/3/2	11:44:41	(-32,44)	-0.38	44	571	4 days 19:0	NO				Yes
55	2016/3/8	01:44:40	(1,-327)	0.39	45	510	4 days 05:00	NO				Yes
56	2016/4/28	07:44:40	(53,378)	-0.34	39	555	4 days 18:00	NO				Yes
57	2016/5/3	06:44:40	(-18,120)	0.22	22	430	4 days 04:00	No			Perfect candidate(slightly missing in data)	Yes
58	2016/5/25	23:44:41	(56,362)	-0.34	38	491	2 days 2:00	No				Yes
59	2016/6/2	18:44:41	(-21,-13)	-0.28	31	488	4 days 07:00	No				Yes
60	2016/6/21	18:44:42	(-91,321)	0.29	31	475	4 days 05:00	NO				Yes
61	2016/6/9	23:44:10	(7,-183)	-0.23	23	408	4 days 12:00	No				Yes
62	2016/7/18	23:44:42	(-35,334)	-0.25	26	430	3 days 16:00	696	7/17 23:01	7/20 11:57	ICME (there is also another ICME 694 07/24 15:29 07/25 12:18	NO
63	2016/7/31	23:44:41	(-85,132)	0.28	29	568	3 days 11:00	693	8/2 12:37	8/3 2:51	ICME	NO
64	2016/8/26	23:44:41	(0,90)	0.22	22	428	4 days 09:00	NO				Yes
65	2016/9/22	23:44:04	(8,-126)	0.23	23	421	3 days 09:00	No				Yes
66	2016/11/15	11:44:41	(-45,-191)	0.23	23	Low	3 days 14:00	No			Very lwo velocity arround 350	NO
67	2016/12/28	15:44:42	(42,-40)	0.17	16	Low 374	5 days 05:00	No			Very low	NO
68	2017/11/24	15:44:40	(33,125)	0.19	21	412	2 days 01:00	No				Yes
69	2018/1/17	11:44:40	(-76,248)	-0.26	27	511	4 days 07:00	663	1/19 12:42:00 AM	1/19 12:06	Overlap	No
70	2018/8/8	06:44:41	(9,-164)	-0.12	12	379	2 days 17	379	8/11 10:00	8/11 13:00	Overlap	NO