

ONLINE MATERIAL

to

On the solar origin of in situ observed energetic particles

by

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The following Table 1 presents a list of 20 MeV proton events from the SOHO/ERNE satellite, together with the identified in this study flares and CMEs as their solar origin. When alternative flare/CME is reported by the other catalogs considered in this study (NOAA, GOES, SOHO and Wind), the respective values are also given. See table caption and explanation in the text for details.

Table description:

Time of proton onset in UT, proton peak intensity, J_p , in $(\text{cm}^2 \text{ s sr MeV})^{-1}$. The flare information is given as flare class/onset time [UT]/location, the CME details are listed as linear speed [km/s]/first appearance [UT]/angular width [deg].

The reference solar origin is given in the columns denoted by ‘this study’. In case an alternative origin has been reported, the details are given in the respective columns, otherwise the symbol \checkmark is used.

Abbreviations:

NOAA: NOAA GOES proton events;

GOES: GOES proton events from Papaioannou et al (2016),

DOI: 10.1051/swsc/2016035;

SOHO: SOHO/ERNE 55–80 MeV from Paassilta et al. (2017),

DOI: 10.1051/swsc/2017013;

pd: previous day;

u: uncertain;

v: visual;

Wind: Wind/EPACT event list from Miteva et al. (2018),

DOI: 10.1007/s11207-018-1241-5;

-: no suitable SEP match found;

dg: data gap;

NA: not identified.

Table 1:

Event date yyyymmdd (1)	proton onset (2)	J_p (3)	this work (4)	solar origin: Flares				Wind (8)	this work (9)	solar origin: CMEs				Wind (13)
				NOAA (5)	GOES (6)	SOHO (7)	NOAA (10)			GOES (11)	SOHO (12)			
19960709	10:03	0.0016	X2.6/09:05/S10W30	-	-	-	-	data gap	-	-	-	-	-	
19960813	17:53	0.0038	uncertain	-	-	-	-	620/16:09/153	-	-	-	-	-	
19961126	24:18	0.0004	B9/20:48/u	-	-	-	-	548/21:36/78	-	-	-	-	-	
19961127	14:23	0.0005	uncertain	-	-	-	-	uncertain	-	-	-	-	-	
19961128	19:53	0.0034	C1.3/15:35/u	-	-	-	-	984/16:50/101	-	-	-	-	-	
19961130	06:18	0.0101	uncertain	-	-	-	M1.0/20:16 ^{Pd}	uncertain	-	-	-	-	uncertain	
19961201	22:05	0.0005	M1.0/20:16 ^{Pd} /S06W47	-	-	-	-	uncertain	-	-	-	-	-	
19961224	14:59	0.0050	C2.1/13:03/N05W95	-	-	-	✓	325/13:29/69	-	-	-	-	✓	
19970401	16:51	0.0035	M1.9/13:43/S25E16	-	-	-	-	uncertain	-	-	-	-	-	
19970407	15:26	0.0260	C6.8/13:50/S30E19	-	-	-	✓	878/14:27/360	-	-	-	-	✓	
19970512	06:48	0.0344	C1.3/04:42/N21W09	-	-	-	✓	464/05:30/360	-	-	-	-	✓	
19970521	22:06	0.0072	M1.3/20:03/N05W12	-	-	-	✓	296/21:01/165	-	-	-	-	✓	
19970725	21:56	0.0108	uncertain	-	-	-	u	611/21:01/84	-	-	-	-	✓	
19970918	03:23	0.0004	C7.1/22:39 ^{Pd} /u	-	-	-	-	uncertain	-	-	-	-	-	
19970920	13:01	0.0004	C2.3/09:49/S25W95	-	-	-	-	777/10:20/97	-	-	-	-	-	
19970924	04:51	0.0038	M5.9/02:43/S31E19	-	-	✓	✓	532/03:38/76	-	-	✓	-	✓	
19970924	09:26	0.0040	uncertain	-	-	-	uncertain	uncertain	-	-	-	-	uncertain	
19971007	14:14	0.0188	uncertain	-	-	NA	uncertain	1271/13:30/167	-	-	✓	-	✓	
19971012	07:46	0.0003	B2.3/06:02/uncW95	-	-	-	-	779/06:26/62	-	-	-	-	-	
19971021	20:05	0.0016	C3.3/17:00/N16E07	-	-	-	-	523/18:04/360	-	-	-	-	-	
19971103	09:54	0.0058	M4.2/10:18/S20W25	-	-	-	-	352/11:11/233	-	-	-	-	-	
19971104	07:04	2.1773	X2.1/05:52/S14W33	✓	✓	✓	✓	785/06:10/360	✓	✓	✓	-	✓	
19971106	14:18	3.0580	X9.4/11:49/S18W63	✓	✓	✓	✓	1556/12:11/360	✓	✓	✓	-	✓	
19971113	22:52	0.0707	uncertain	-	-	NA	✓	546/22:26/288	-	-	✓	-	✓	
19971114	14:35	0.0247	C4.6/09:05/N21E70	-	-	NA	✓	1042/10:14/86	-	-	702/13:37	-	✓	
19971117	11:34	0.0030	B2.3/08:00/u	-	-	-	-	611/08:27/360	-	-	-	-	-	
19971128	16:33	0.0005	C1.6/15:38/N19E54	-	-	-	-	uncertain	-	-	-	-	-	
19971130	03:23	0.0005	M6.4/22:28 ^{Pd} /N15E38	-	-	-	-	data gap	-	-	-	-	-	
19971206	14:38	0.0010	uncertain	-	-	-	-	uncertain	-	-	-	-	-	
19971206	16:49	0.0015	uncertain	-	-	-	-	uncertain	-	-	-	-	-	
19971206	18:54	0.0017	uncertain	-	-	-	-	397/10:27/233	-	-	-	-	-	
19980126	01:15	0.0005	M1.3/21:26 ^{Pd} /N22E53	-	-	-	✓	596/22:20 ^{Pd} /84	-	-	-	-	✓	
19980126	23:51	0.0083	C5.4/22:19/S17W55	-	-	-	-	399/23:28/66	-	-	-	-	-	
19980325	19:00	0.0005	C5.3/12:31/S35W95	-	-	-	-	761/13:14/104	-	-	-	-	-	
19980404	13:24	0.0047	uncertain	-	-	-	-	uncertain	-	-	-	-	-	
19980420	11:30	4.3621	M1.4/09:38/S40W90	✓	✓	✓	✓	1863/10:07/243	✓	✓	✓	-	✓	
19980429	24:37	0.0221	M6.8/16:06 ^{Pd} /S18E20	-	✓	-	✓	1374/16:59 ^{Pd} /360	-	✓	-	-	✓	
19980430	24:07	0.0291	uncertain	-	-	-	-	uncertain	-	-	-	-	-	
19980502	14:19	1.1995	X1.1/13:31/S15W15	✓	✓	✓	✓	938/14:06/360	✓	✓	✓	-	✓	
19980506	08:51	7.6125	X2.7/07:58/S11W65	✓	✓	✓	✓	1099/08:29/190	✓	792/09:33	✓	-	✓	
19980509	05:15	0.3365	M7.7/03:04/S15W95	-	✓	✓	✓	2331/03:36/178	-	✓	✓	-	✓	
19980514	06:20	0.0015	uncertain	-	-	-	-	351/03:55/246	-	-	-	-	-	
19980519	11:06	0.0012	B7.9/10:10/N25W50	-	-	-	-	801/10:27/139	-	-	-	-	-	
19980527	14:46	0.0021	C7.5/13:30/N20W65	-	-	-	-	878/13:46/268	-	-	-	-	-	
19980528	07:53	0.0008	C1.2/03:43/u	-	-	-	-	516/04:01/72	-	-	-	-	-	
19980528	10:39	0.0008	uncertain	-	-	-	-	uncertain	-	-	-	-	-	
19980528	18:58	0.0006	M1.1/13:43/N11W80	-	-	-	-	451/14:47/53	-	-	-	-	-	

Table 1: Cont'd

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
19980529	02:24	0.0007	M6.7/00:51/N18W90	-	-	-	-	489/01:31/91	-	-	-	-
19980529	05:25	0.0006	uncertain	-	-	-	-	uncertain	-	-	-	-
19980530	13:42	0.0002	uncertain	-	-	-	-	uncertain	-	-	-	-
19980531	01:32	0.0029	uncertain	-	-	-	uncertain	594/23:28 ^{Pd} /63	-	-	-	367/15:54 ^{Pd}
19980602	14:53	0.0012	uncertain	-	-	-	-	751/08:09/59	-	-	-	-
19980604	09:26	0.0177	uncertain	-	-	-	uncertain	1802/02:05/360	-	-	-	✓
19980616	20:18	0.0488	M1.0/18:03/S20W95	-	✓	✓	✓	1484/18:27/281	-	✓	✓	✓
19980622	19:57	0.0013	uncertain	-	-	-	-	uncertain	-	-	-	-
19980623	04:15	0.0009	B5.2/02:54/u	-	-	-	-	434/03:59/92	-	-	-	-
19980623	12:14	0.0006	uncertain	-	-	-	-	595/08:59/31	-	-	-	-
19981018	22:48	0.1954	uncertain	-	NA	NA	uncertain	data gap	-	NA	data gap	data gap
19981021	05:43	0.0062	uncertain	-	-	-	✓	data gap	-	-	-	data gap
19981025	16:28	0.0007	uncertain	-	-	-	-	839/12:54/360	-	-	-	-
19981105	21:06	0.0043	M8.4/19:00/N22W18	-	✓	-	✓	1118/20:44/360	-	✓	-	✓
19981106	06:58	0.0871	C4.4/02:39/N18W35	-	-	-	✓	405/02:18/160	-	-	-	-
19981107	10:48	0.0513	M2.4/11:02/N20W50	-	-	-	✓	632/11:54/360	-	-	-	✓
19981107	21:25	0.1063	C2.4/20:07/S20W67	-	-	-	✓	750/20:54/96	-	-	-	✓
19981114	06:48	3.1673	C1.7/05:15/N20W60	✓	C1.3/05:00	NA	✓	data gap	NA	NA	data gap	data gap
19981122	07:23	0.1150	X3.7/06:30/S27W82	-	-	NA	✓	data gap	-	-	data gap	data gap
19981124	03:14	0.0848	X1.0/02:07/S25W95	-	-	✓	✓	1798/02:30/360	-	-	✓	✓
19981217	08:52	0.0006	M3.2/07:40/S27W46	-	-	-	-	302/08:30/360	-	-	-	-
19981219	13:37	0.0005	uncertain	-	-	-	-	uncertain	-	-	-	-
19981220	05:31	0.0006	uncertain	-	-	-	-	156/05:54/62	-	-	-	-
19990209	06:10	0.0005	C2.3/04:54/S25W48	-	-	-	-	808/05:33/132	-	-	-	-
19990224	04:46	0.0002	uncertain	-	-	-	-	422/01:54/102	-	-	-	-
19990325	20:12	0.0007	uncertain	-	-	-	-	432/18:55/93	-	-	-	-
19990424	14:45	0.6998	uncertain	NA	NA	NA	uncertain	1495/13:31/360	✓	✓	✓	✓
19990503	17:12	0.0441	M4.4/05:36/N15E32	-	✓	-	✓	1584/06:06/360	-	✓	-	✓
19990509	18:58	0.0831	M7.6/17:53/N19W86	-	-	✓	✓	615/18:28/172	-	-	✓	✓
19990527	11:38	0.3705	uncertain	-	C4.5/11:36	NA	-	1691/11:06/360	-	✓	✓	✓
19990601	20:22	1.8137	C1.2/18:53/u	✓	✓	NA	✓	1772/19:38/360	-	✓	✓	✓
19990603	02:32	0.3748	C5.0/20:50/N32W90 ^v	-	-	-	-	21:26/874/160	-	-	-	-
19990611	01:32	0.0864	uncertain	-	-	NA	✓	719/01:27/101	-	-	✓	✓
19990618	18:34	0.0042	C5.8/16:38/N39E05	-	-	-	-	data gap	-	-	-	-
19990622	13:23	0.0037	C2.6/11:50/u	-	-	-	-	uncertain	-	-	-	-
19990622	22:36	0.0010	M1.7/1737/N22E37	-	-	-	-	1133/18:54/360	-	-	-	-
19990627	10:19	0.0058	M1.0/08:34/N23W25	-	-	-	✓	903/09:06/86	-	-	-	✓
19990629	13:30	0.0017	uncertain	-	-	-	-	634/07:31/360	-	-	-	-
19990703	22:54	0.0006	C7.5/20:15/N16W55	-	-	-	-	536/19:54/139	-	-	-	-
19990712	21:26	0.0009	C1.9/18:10/uncW95	-	-	-	-	452/18:30/76	-	-	-	-
19990716	18:05	0.0008	M3.1/15:42/N43W71	-	-	-	-	746/16:30/111	-	-	-	-
19990725	19:56	0.0014	M2.4/13:08/N38W81	-	-	-	-	1389/13:31/360	-	-	-	-
19990730	17:36	0.0005	uncertain	-	-	-	-	uncertain	-	-	-	-
19990731	17:38	0.0014	uncertain	-	-	-	-	1079/11:26/238	-	-	-	-
19990731	22:37	0.0023	uncertain	-	-	-	-	uncertain	-	-	-	-
19990808	01:51	0.0004	M1.7/20:43 ^{Pd} /S35W95	-	-	-	data gap	283/22:50 ^{Pd} /185	-	-	-	data gap
19990808	18:42	0.0008	C1.3/10:35/S16E39	-	-	-	data gap	389/10:26/55	-	-	-	data gap
19990814	05:03	0.0003	uncertain	-	-	-	-	406/02:30/120	-	-	-	-
19990828	19:59	0.0017	X1.1/17:52/S26W14	-	-	-	-	462/18:26/245	-	-	-	-
19990914	04:14	0.0044	C2.6/16:30 ^{Pd} /N15E06	-	-	-	✓	444/17:31 ^{Pd} /184	-	-	-	✓
19991014	19:47	0.0014	X1.8/08:54/N11E32	-	-	-	data gap	1250/09:26/360	-	-	-	data gap
19991022	15:14	0.0003	uncertain	-	-	-	-	478/13:27/118	-	-	-	-
19991210	02:28	0.0004	C3.7/02:03 ^{Pd} /u	-	-	-	-	data gap	-	-	-	-
19991210	23:28	0.0003	uncertain	-	-	-	-	uncertain	-	-	-	-
19991228	03:01	0.0064	M4.5/00:39/N20W56	-	-	-	✓	672/00:54/82	-	-	-	✓

Table 1: Cont'd

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
20000109	05:52	0.0011	C1.1/22:17 ^{pd} /N27E53	-	-	-	-	data gap	-	-	-	data gap
20000109	14:00	0.0318	C3.2/08:15/N10W55	-	-	-	C1.1/22:17 ^{pd}	data gap	-	-	-	✓
20000109	23:25	0.0500	C2.4/20:35/N29E46	-	-	-	-	data gap	-	-	-	-
20000118	15:23	0.0008	M1.2/09:36/S14W38	-	-	-	-	642/10:30/108	-	-	-	-
20000118	19:19	0.0281	M3.9/17:07/S19E11	-	-	✓	✓	739/17:54/360	-	-	✓	✓
20000119	07:42	0.0209	uncertain	-	-	✓	✓	800/02:54/68	-	-	-	✓
20000127	14:07	0.0022	uncertain	-	-	-	-	uncertain	-	-	-	-
20000212	05:17	0.0547	M1.7/03:51/N26W23	-	-	✓	✓	1107/04:31/360	-	-	✓	✓
20000217	21:43	0.0486	M1.3/20:17/S29E07	-	-	✓	✓	728/21:30/360	-	-	✓	✓
20000218	10:09	0.6160	C1.1/09:21/S16W78	M1.3/20:17 ^{pd}	C1.4/08:38	✓	✓	890/09:54/118	✓	728	✓	✓
20000302	09:40	0.0151	X1.1/08:20/S14W66	-	-	✓	✓	776/08:54/62	-	-	✓	✓
20000303	03:27	0.0134	M3.8/02:08/S15W60	-	-	✓	✓	841/02:30/98	-	-	✓	✓
20000307	15:12	0.0002	C5.9/11:15/u	-	-	-	-	721/13:31/10	-	-	-	-
20000308	01:06	0.0004	uncertain	-	-	-	-	uncertain	-	-	-	-
20000404	16:22	0.5072	C9.7/15:12/N16W66	✓	✓	✓	✓	1188/16:33/360	✓	✓	✓	✓
20000423	14:59	0.0271	uncertain	-	-	NA	-	1187/12:54/360	-	-	✓	-
20000428	21:00	0.0011	uncertain	-	-	-	✓	1110/14:30 ^{pd} /138	-	-	-	✓
20000501	11:10	0.0054	M1.1/10:16/N20W60	-	-	-	✓	1360/10:54/54	-	-	-	✓
20000504	12:12	0.0049	M6.8/10:57/S15W90	-	-	-	✓	1404/11:26/170	-	-	-	✓
20000505	20:33	0.0080	M1.5/15:19/S15W95	-	-	-	✓	1594/15:50/360	-	-	-	✓
20000507	22:50	0.0101	uncertain	-	-	-	uncertain	1781/20:50/360	-	-	-	✓
20000511	02:32	0.0016	C8.7/19:26 ^{pd} /N14E20	-	-	-	-	641/20:06 ^{pd} /205	-	-	-	-
20000511	20:44	0.0015	uncertain	-	-	-	-	875/11:50/215	-	-	-	-
20000515	19:06	0.0412	C7.8/15:46/S24W67	-	✓	-	✓	1212/16:26/165	-	✓	-	✓
20000516	08:09	0.0461	uncertain	-	-	-	-	data gap	-	-	-	-
20000603	21:38	0.0006	M6.1/19:13/N20E49	-	-	-	-	565/20:30/62	-	-	-	-
20000606	19:55	0.6058	X2.3/14:58/N20E18	✓	✓	✓	✓	1119/15:54/360	✓	✓	✓	✓
20000610	17:41	5.8969	M5.2/16:40/N22W38	✓	✓	✓	✓	1108/17:08/360	✓	✓	✓	✓
20000615	20:42	0.0022	M1.8/19:38/N20W65	-	-	-	-	1081/20:06/116	-	-	-	-
20000617	05:13	0.0191	M3.5/02:25/N22W72	-	-	-	✓	857/03:28/133	-	-	-	✓
20000618	02:54	0.0836	X1.0/01:52/N23W85	-	-	✓	✓	629/02:10/132	-	-	✓	✓
20000622	11:24	0.0017	C4.8/10:09/N22W56	-	-	-	-	342/10:54/45	-	-	-	-
20000623	15:26	0.0327	M3.0/14:18/N26W72	-	-	-	✓	847/14:54/198	-	-	-	✓
20000625	10:19	0.0572	M1.9/07:17/N16W55	-	✓	-	✓	1617/07:54/165	-	✓	-	✓
20000628	20:43	0.0038	C3.7/18:48/N20W95	-	-	-	-	1198/19:32/134	-	-	-	-
20000711	01:08	0.0103	M5.7/21:05 ^{pd} /N18E49	-	-	-	✓	1352/21:50 ^{pd} /289	-	-	-	✓
20000713	07:15	0.0372	M1.0/20:00 ^{pd} /N05W65 ^v	-	M5.7/18:45 ^{pd}	-	-	20:30 ^{pd} /820/101	-	✓	-	-
20000714	11:14	1.8119	X5.7/10:03/N22W07	✓	✓	✓	✓	1674/10:54/360	✓	✓	✓	✓
20000722	12:54	0.5448	M3.7/11:17/N14W56	✓	✓	✓	✓	1230/11:54/229	✓	✓	✓	✓
20000728	02:03	1.0242	C4.2/00:00/N10W95	NA	NA	NA	✓	447/00:54/57	NA	905/19:54 ^{pd}	✓	✓
20000808	16:42	0.0005	C1.4/15:38/u	-	-	-	-	867/15:54/143	-	-	-	-
20000810	14:59	0.0008	C2.6/03:28/S19W71	-	-	-	-	223/03:30/64	-	-	-	-
20000811	10:39	0.2683	C3.2/07:13/N26E66	NA	-	-	✓	1071/07:31/70	NA	-	-	✓
20000812	11:22	0.1719	M1.1/09:45/S15W95	-	-	-	✓	662/10:35/168	-	-	-	✓
20000904	20:16	0.0017	C1.5/06:49/S20E17	-	-	-	-	849/06:06/327	-	-	-	-
20000905	14:53	0.0004	data gap	-	-	-	-	473/05:54/138	-	-	-	-
20000907	21:56	0.0080	C7.2/20:32/N06W47	-	-	-	✓	422/21:30/169	-	-	-	✓
20000907	23:30	0.0094	uncertain	-	-	-	-	178/23:06/65	-	-	-	-
20000908	09:28	0.0053	uncertain	-	-	-	-	uncertain	-	-	-	-

Table 1: Cont'd

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
20000909	10:51	0.0193	M1.6/08:28/N07W67	-	-	-	✓	554/08:57/180	-	-	-	✓
20000912	13:34	1.8987	M1.0/11:31/S17W09	✓	✓	✓	✓	1550/11:54/360	13:31?	✓	✓	✓
20000919	11:19	0.0167	M5.1/08:06/N14W46	-	-	-	✓	766/08:50/76	-	-	-	✓
20001010	05:46	0.0099	C6.7/23:19 ^{Pd} /N01W14	-	-	-	✓	506/00:26/360	-	-	-	✓
20001016	07:51	0.5415	M2.5/06:40/N05W95	✓	✓	✓	✓	1336/07:27/360	✓	✓	✓	✓
20001025	11:44	0.4635	C4.0/08:45/N10W80	M2	✓	✓	✓	770/08:26/360	✓	✓	✓	✓
20001029	14:08	0.0130	uncertain	-	-	-	✓	data gap	-	-	-	✓
20001031	04:25	0.0654	uncertain	-	-	-	✓	785/18:07 ^{Pd} /106	-	-	-	✓
20001108	23:31	0.7587	M7.4/22:42/N10W77	✓	✓	✓	✓	1738/23:06/170	✓	✓	✓	✓
20001124	06:47	0.3215	X2.0/04:55/N20W05	-	✓	✓	✓	1289/05:30/360	-	✓	✓	✓
20001124	16:30	2.0550	X2.3/14:51/N22W07	X2.0/04:55	✓	-	✓	1245/15:30/360	1289/05:30	✓	-	✓
20001125	18:33	5.1120	M8.2/00:59/N07E50	-	✓	-	✓	2519/01:31/360	-	✓	-	✓
20001228	16:49	0.0267	uncertain	-	-	-	uncertain	930/12:06/360	-	-	-	✓
20010105	19:26	0.1008	uncertain	-	-	NA	uncertain	828/17:06/360	-	-	✓	✓
20010121	03:15	0.0017	M7.7/21:06 ^{Pd} /S07E46	-	-	uncertain	-	1507/21:30 ^{Pd} /360	-	-	839/19:32 ^{Pd}	-
20010121	09:18	0.0101	uncertain	-	-	-	uncertain	uncertain	-	-	-	uncertain
20010121	16:51	0.0685	C1.7/12:19/u	-	C3/19:17	-	-	316/12:55/41	-	664/19:54	-	664/19:54
20010128	17:43	2.3804	M1.5/15:40/S04W59	✓	✓	✓	✓	916/15:54/360	✓	✓	✓	✓
20010211	03:48	0.0248	C6.5/00:57/N24W57	-	-	-	✓	1183/01:32/360	-	-	-	✓
20010226	09:02	0.0361	uncertain	-	-	-	uncertain	851/05:30/152	-	-	-	✓
20010310	08:00	0.0034	M6.7/04:00/N27W42	-	-	-	-	819/04:26/81	-	-	-	-
20010326	12:57	0.0358	M2.2/13:03/N15E27	-	C9/16:25 ^{Pd}	-	-	541/13:50/55	-	677/17:06 ^{Pd}	-	-
20010329	11:42	1.3981	X1.7/09:57/N20W19	✓	✓	✓	✓	942/10:26/360	✓	✓	✓	✓
20010402	13:22	0.1274	X1.1/10:58/N20W60	-	✓	✓	✓	992/11:26/80	-	✓	✓	✓
20010402	23:04	19.474	X20./21:32/N20W75	✓	✓	✓	✓	2505/22:06/244	✓	✓	✓	✓
20010409	17:33	0.1757	M7.9/15:20/S21W04	-	✓	✓	✓	1192/15:54/360	-	✓	✓	✓
20010410	07:35	3.2783	X2.3/05:06/S23W09	✓	✓	✓	✓	2411/05:30/360	✓	✓	✓	✓
20010412	12:09	1.4858	X2.0/09:39/S19W43	-	✓	✓	✓	1184/10:31/360	-	✓	✓	✓
20010414	00:44	0.0849	uncertain	-	-	-	-	uncertain	-	-	-	-
20010414	18:20	0.0238	M1.0/17:15/S16W71	-	-	-	-	830/17:54/113	-	-	-	-
20010415	14:42	8.0450	X14.4/13:19/S20W85	✓	✓	✓	✓	1199/14:07/167	✓	✓	✓	✓
20010418	03:17	6.4353	C2.2/02:11/S15W90	✓	✓	✓	✓	2465/02:30/360	✓	✓	✓	✓
20010426	23:45	0.0861	M7.8/11:26/N17W31	-	✓	-	✓	1006/12:30/360	-	1040	-	✓
20010507	13:42	1.5360	C3.9/11:36/N26W35	NA	NA	NA	✓	1223/12:06/205	10:00?	✓	✓	✓
20010520	07:15	0.7471	M6.4/06:00/S20W95	-	✓	✓	✓	546/06:26/179	-	✓	✓	✓
20010601	22:24	0.0097	uncertain	-	-	-	-	800/17:30/71	-	-	-	-
20010604	17:22	0.1219	uncertain	-	-	C3.2/16:11	C3.2/16:11	464/16:30/89	-	-	✓	✓
20010611	16:34	0.0059	C5.0/04:43/u	-	-	-	uncertain	1647/04:54/37	-	-	-	uncertain
20010612	06:52	0.0098	C5.1/04:08/u	-	-	-	uncertain	uncertain	-	-	-	uncertain
20010615	16:38	1.4678	uncertain	NA	C2.2/16:15	NA	uncertain	1701/15:56/360	16:48?	✓	✓	✓
20010619	04:35	0.0890	uncertain	-	-	uncertain	uncertain	817/03:54/58	-	-	-	✓
20010619	11:02	0.0372	uncertain	-	-	-	uncertain	268/07:32/115	-	-	-	-
20010712	02:31	0.0012	uncertain	-	-	-	-	736/00:06/148	-	-	-	-
20010719	11:52	0.0013	M1.8/09:52/S08W62	-	-	-	-	1668/10:30/166	-	-	-	-
20010809	17:59	0.1096	uncertain	-	C3.7/11:16	-	✓	479/10:30/175	-	✓	-	✓
20010810	07:54	0.6353	C1.4/20:35 ^{Pd} /u	C3.7/11:16 ^{Pd}	-	NA	✓	909/21:30 ^{Pd} /100	479/10:30 ^{Pd}	-	NA	✓
20010911	02:21	0.0013	uncertain	-	-	-	-	304/01:55/78	-	-	-	-
20010912	24:53	0.0032	C9.6/21:05/S20W60	-	-	-	-	668/22:06/114	-	-	-	-
20010915	12:29	0.3259	M1.5/11:04/S21W49	✓	✓	✓	✓	478/11:54/130	✓	✓	✓	✓
20010917	23:48	0.0040	uncertain	-	-	-	uncertain	uncertain	-	-	-	uncertain
20010918	17:20	0.0109	uncertain	-	-	-	uncertain	376/18:33/253	-	-	-	✓
20010919	10:50	0.0075	C7.2/06:59/S20W95	-	-	-	✓	416/07:32/210	-	-	-	✓
20010924	11:34	4.6175	X2.6/09:32/S16E23	✓	✓	✓	✓	2402/10:31/360	✓	✓	✓	✓
20011001	12:14	5.0766	M9.1/04:41/S30W95	✓	✓	✓	✓	1405/05:30/360	✓	✓	✓	✓

Table 1: Cont'd

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
20011009	08:38	0.0214	C7.0/07:24/uncW95	-	-	-	-	526/08:06/126	-	-	-	-
20011009	21:10	0.0615	M1.4/10:46/S28E08	-	✓	-	✓	973/11:30/360	-	✓	-	✓
20011019	02:26	0.1933	X1.6/00:47/N16W18	-	✓	✓	✓	558/01:27/360	-	✓	✓	✓
20011019	18:17	0.2703	X1.6/16:13/N15W29	✓	✓	✓	✓	901/16:50/360	✓	✓	✓	✓
20011022	17:33	0.5373	M6.7/14:27/S21E18	X1/17:59	X1.0	✓	✓	1336/15:06/360	✓	✓	✓	✓
20011104	17:05	3.5752	X1.0/16:03/N06W18	✓	✓	✓	✓	1810/16:35/360	✓	✓	✓	✓
20011117	07:54	0.0376	M2.8/04:49/S13E42	-	✓	-	✓	1379/05:30/360	-	✓	-	✓
20011122	21:45	5.5072	M3.8/20:18/S25W67	M9.9/22:32	✓	✓	✓	1443/20:31/360	1437/23:30	✓	✓	-
20011122	24:42	5.0982	M9.9/22:32/u	-	-	-	M3.8/20:18	1437/23:30/360	-	-	-	1443/20:31
20011210	11:11	0.0014	C8.6/09:31/S25W19	-	-	-	-	366/11:06/169	-	-	-	-
20011211	14:36	0.0190	X2.8/07:58/N16E41	-	✓	-	-	804/08:30/142	-	891/09:54	-	-
20011215	17:45	0.0108	C9.4/12:39/u	-	-	-	-	462/12:30/50	-	-	-	-
20011226	05:52	4.6947	M7.1/04:32/N08W54	✓	✓	✓	✓	1446/05:30/212	✓	✓	✓	✓
20011229	03:04	1.2087	X3.4/20:02 ^{Pd} /u	✓	-	-	-	2216/20:30 ^{Pd} /360	✓	✓	-	-
20011230	14:07	2.0778	uncertain	NA	C3.2/13:42	-	uncertain	uncertain	NA	718/12:30	-	uncertain
20020110	06:36	2.0382	uncertain	C9.6/20:25 ^{8th}	C7/09:27	NA	uncertain	377/00:30/61	1794/17:54 ^{8th}	NA	NA	uncertain
20020115	01:39	0.2911	M4.4/05:29 ^{Pd} /S20W80	✓	✓	✓	uncertain	1492/05:35 ^{Pd} /360	05:25?	✓	✓	u
20020127	14:46	0.3985	uncertain	-	NA	NA	uncertain	1136/12:30/360	-	✓	✓	✓
20020215	04:32	0.0007	C1.9/01:53 ^{Pd} /N20W12	-	-	-	-	uncertain	-	-	-	-
20020220	07:02	0.6402	M5.1/05:52/N12W72	✓	-	✓	✓	952/06:30/360	✓	-	✓	✓
20020311	09:03	0.0013	C3.0/22:48 ^{Pd} /S10E60	-	-	-	-	1429/23:07 ^{Pd} /360	-	-	-	-
20020316	01:11	0.0532	M2.2/22:09 ^{Pd} /S08W03	-	✓	-	✓	957/23:06 ^{Pd} /360	-	✓	-	✓
20020317	02:46	0.3721	uncertain	M2.2/22:09 ^{15th}	uncertain	-	uncertain	uncertain	957/23:06 ^{15th}	uncertain	-	uncertain
20020318	07:43	1.2752	M1.0/02:16/S15W35	NA	-	✓	✓	989/02:54/360	NA	-	✓	✓
20020319	01:49	0.9993	uncertain	-	-	-	uncertain	uncertain	-	-	-	✓
20020320	13:44	0.4700	uncertain	M1/02:16 ^{18th}	C1.5/11:52	-	-	uncertain	989/02:54 ^{18th}	NA	-	-
20020322	13:12	0.1179	M1.6/10:12/S20W90	✓	✓	-	✓	1750/11:06/360	✓	✓	-	✓
20020328	09:19	0.0006	uncertain	-	-	-	-	899/08:30/73	-	-	-	-
20020411	17:49	0.0317	C9.2/16:16/S15W33	-	-	-	✓	540/16:50/70	-	-	-	✓
20020414	13:06	0.0137	C9.6/07:28/N19W57	-	-	-	✓	757/07:50/76	-	-	-	✓
20020417	10:18	0.5091	M2.6/07:46/S14W34	✓	✓	✓	✓	1240/08:26/360	✓	✓	✓	✓
20020421	01:39	5.0491	X1.5/00:43/S14W84	✓	✓	✓	✓	2393/01:27/360	✓	✓	✓	✓
20020501	01:36	0.0655	uncertain	-	-	-	uncertain	1103/23:26 ^{Pd} /199	-	-	-	✓
20020508	02:20	0.0030	uncertain	-	-	-	-	uncertain	-	-	-	uncertain
20020510	01:20	0.0019	C4.0/00:23/u	-	-	-	-	uncertain	-	-	-	-
20020520	16:59	0.0075	X2.1/15:21/S21E65	-	-	-	✓	553/15:50/69	-	-	-	✓
20020522	02:52	1.8073	C5.0/03:18/S20W85	✓	✓	✓	✓	1557/03:50/360	✓	✓	✓	✓
20020530	06:35	0.0054	M1.3/04:24/u	-	-	-	-	1625/05:06/144	-	-	-	-
20020602	10:52	0.0006	C8.0/10:02/u	-	-	-	-	data gap	-	-	-	-
20020613	10:28	0.0005	uncertain	-	-	-	-	708/09:30/53	-	-	-	-
20020704	07:32	0.0019	uncertain	-	-	-	-	276/05:54/23	-	-	-	-
20020704	11:54	0.0017	M1.1/07:27/S19W66	-	-	-	-	504/07:54/48	-	-	-	-
20020704	20:21	0.0027	uncertain	-	-	-	-	uncertain	-	-	-	-
20020704	22:24	0.0058	uncertain	-	-	-	-	957/20:06/168	-	-	-	-
20020705	14:34	0.0012	M3.2/13:10/S19W82	-	-	-	-	818/13:32/150	-	-	-	-
20020707	12:33	1.1186	M1.0/11:15/S20W90	✓	✓	✓	✓	1423/11:31/228	11:06?	✓	✓	✓
20020709	21:36	0.0264	uncertain	-	-	-	uncertain	1079/19:32/360	-	-	-	✓
20020716	08:11	1.3095	X3.0/19:59 ^{Pd} /N19W01	✓	✓	uncertain	✓	1151/20:30 ^{Pd} /360	✓	✓	✓	✓
20020721	10:34	0.0685	X3.3/21:04 ^{Pd} /u	-	✓	-	-	1941/22:06 ^{Pd} /360	-	✓	-	-
20020722	05:27	0.5044	uncertain	X3.3/21:04 ^{20th}	-	-	uncertain	uncertain	20:42 ^{20th} ?	-	-	uncertain
20020803	23:15	0.0070	X1.0/18:59/S16W76	-	-	-	✓	1150/19:32/138	-	-	-	✓
20020804	07:30	0.0023	C7.4/07:14/u	-	-	-	-	772/08:06/44	-	-	-	-
20020804	16:55	0.0022	C2.9/15:13/u	-	-	-	-	663/15:06/71	-	-	-	-
20020805	07:46	0.0042	C4.8/04:21/S10W43	-	-	-	✓	689/07:31/43	-	-	-	-
20020814	02:20	0.0479	M2.3/01:47/N09W54	✓	✓	-	✓	1309/02:30/133	02:06?	✓	-	✓
20020814	06:54	0.4659	uncertain	-	-	-	✓	uncertain	-	-	-	✓
20020814	14:11	0.8616	uncertain	-	-	-	✓	uncertain	-	-	-	✓
20020816	07:31	0.0138	M2.4/05:46/N07W83	-	-	-	✓	1378/06:06/162	-	-	-	✓
20020816	16:48	0.0680	M5.2/11:32/S14E20	-	✓	-	✓	1585/12:30/360	-	✓	-	✓

Table 1: Cont'd

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
20020818	22:48	0.1197	M2.2/21:12/S12W19	-	-	✓	✓	682/21:54/140	-	-	✓	✓
20020820	09:03	0.1379	M3.4/08:22/S10W38	-	-	✓	✓	1099/08:55/122	-	-	✓	✓
20020822	03:00	0.8413	M5.4/01:47/S07W62	✓	✓	✓	✓	998/02:06/360	✓	248/03:50	✓	✓
20020824	01:51	4.9487	X3.1/00:49/S02W81	✓	-	✓	-	1913/01:27/360	✓	✓	✓	✓
20020906	00:54	0.3655	C8.6/20:40 ^{Pd} /S16E03	C3/16:18 ^{Pd}	C5.2/16:18 ^{Pd}	uncertain	C5.2/16:18 ^{Pd}	517/21:56 ^{Pd} /72	1748/16:54 ^{Pd}	1748/16:54 ^{Pd}	1748/16:54 ^{Pd}	1748/16:54 ^{Pd}
20020917	03:24	0.0017	C5.2/01:57/N19W60	-	-	-	-	413/02:30/102	-	-	-	-
20020923	00:48	0.0024	uncertain	-	-	-	-	960/00:06/140	-	-	-	-
20020924	12:32	0.0071	uncertain	-	-	-	-	1104/11:30/62	-	-	-	-
20020927	02:47	0.0080	C5.0/01:18/u	-	-	-	✓	1502/01:54/59	-	-	-	✓
20020929	11:38	0.0004	C7.8/08:37/S08W79	-	-	-	-	277/09:30/76	-	-	-	-
20021013	21:27	0.0012	C4.7/17:46/S07W54	-	-	-	-	373/19:35/141	-	-	-	-
20021016	07:46	0.0031	C2.9/04:12/S12W87	-	-	-	-	250/04:54/67	-	-	-	-
20021029	01:56	0.0034	uncertain	-	-	-	-	uncertain	-	-	-	-
20021030	04:19	0.0173	uncertain	-	-	-	uncertain	uncertain	-	-	-	uncertain
20021101	01:36	0.0097	uncertain	-	-	-	-	uncertain	-	-	-	-
20021101	19:13	0.0108	uncertain	-	NA	-	-	uncertain	-	NA	-	-
20021109	15:02	4.5252	M4.6/13:08/S12W29	✓	-	✓	✓	1838/13:32/360	✓	-	✓	✓
20021125	04:31	0.0037	C6.4/20:14 ^{Pd} /S17W37	-	✓	-	-	1077/20:30 ^{Pd} /360	-	✓	-	-
20021219	22:52	0.2268	M2.7/21:34/N15W09	-	✓	✓	✓	1092/22:06/360	-	✓	✓	✓
20030121	05:03	0.0034	C8.1/02:23/u	-	-	-	-	414/02:54/41	-	-	-	-
20030128	02:57	0.0008	C2.4/21:42 ^{Pd} /S17W23	-	-	-	-	1053/22:23 ^{Pd} /267	-	-	-	-
20030201	02:54	0.0005	uncertain	-	-	-	-	data gap	-	-	-	-
20030317	10:37	0.0006	uncertain	-	-	-	-	uncertain	-	-	-	-
20030317	19:50	0.0232	X1.5/18:50/S14W39	-	-	-	✓	1020/19:54/96	-	-	-	✓
20030318	07:06	0.0010	C2.1/06:36/S15W45	-	-	-	-	619/07:32/71	-	-	-	-
20030318	14:06	0.0181	X1.5/11:51/S15W46	-	-	-	✓	1601/12:30/209	-	-	-	✓
20030319	07:36	0.0007	C1.7/02:10/S14W56	-	-	-	-	1342/02:30/360	-	-	-	-
20030407	10:42	0.0149	B7.3/09:25/S11W80	-	-	-	✓	719/09:50/69	-	-	-	✓
20030421	16:59	0.0113	M2.8/12:54/N18E02	-	-	-	✓	784/13:36/163	-	-	-	✓
20030423	02:22	0.0167	M5.1/00:39/N22W25	-	-	✓	✓	916/01:27/248	-	✓	✓	✓
20030424	09:30	0.0047	uncertain	-	-	-	-	uncertain	-	-	-	-
20030424	13:46	0.0440	M3.3/12:45/N21W39	-	-	-	✓	609/13:27/242	-	-	-	784/13:37
20030528	04:51	0.3602	X3.6/00:17/S07W20	✓	✓	✓	✓	1366/00:50/360	✓	✓	✓	✓
20030529	11:16	0.9762	X1.2/00:51/S06W37	-	-	-	-	1237/01:27/360	-	-	-	-
20030531	03:23	0.7751	M9.3/02:13/S07W65	✓	✓	✓	✓	1835/02:30/360	✓	✓	✓	✓
20030605	16:58	0.0006	uncertain	-	-	-	-	uncertain	-	-	-	-
20030610	13:28	0.0006	uncertain	-	-	-	-	525/06:30/360	-	-	-	-
20030612	01:30	0.0017	uncertain	-	-	-	-	data gap	-	-	-	-
20030618	08:29	0.4597	M6.8/22:27 ^{Pd} /S08E58	✓	✓	-	✓	1813/23:18 ^{Pd} /360	✓	✓	✓	✓
20030710	17:35	0.0020	M3.6/13:54/N12W89	-	-	-	-	data gap	-	-	-	-
20030717	14:19	0.0007	C9.8/08:17/N15E21	-	-	-	-	531/08:54/298	-	-	-	-
20030819	09:30	0.0075	M2.0/07:38/S12W63	-	-	-	✓	412/08:31/35	-	-	-	✓
20031004	20:02	0.0016	uncertain	-	-	-	-	1262/19:32/103	-	-	-	-
20031020	20:12	0.0005	uncertain	-	-	-	-	uncertain	-	-	-	-
20031023	08:08	0.0265	M3.2/07:02/N04E13	-	M1.7/09:37 ^{Pd}	-	M9.9/19:47 ^{Pd}	07:32/1090/85	719/08:30 ^{Pd}	-	-	1085/20:06 ^{Pd}
20031026	18:05	5.2088	X1.2/17:21/N02W38	✓	✓	✓	✓	1537/17:54/171	✓	✓	✓	✓
20031028	12:08	4.7607	X17.2/09:51/S16E08	✓	✓	✓	✓	2459/11:30/360	1054/10:54	✓	✓	✓
20031029	08:11	3.1304	X10.0/20:37/S15W02	-	✓	-	-	2029/20:54/360	-	✓	-	-
20031102	00:56	0.0593	M3.2/22:26 ^{Pd} /S12W60	-	-	-	-	899/23:07 ^{Pd} /93	-	-	-	-
20031102	10:34	0.6501	uncertain	NA	-	NA	uncertain	2036/09:30/360	uncertain	uncertain	✓	✓
20031102	18:52	3.2660	X8.3/17:03/S14W56	-	✓	✓	✓	2598/17:30/360	-	✓	✓	✓
20031104	22:28	3.3541	X28.0/19:29/S19W83	✓	✓	-	✓	2657/19:54/360	✓	✓	✓	✓
20031107	17:41	0.2830	B4.7/15:17/N09W89	-	-	-	data gap	2237/15:54/360	-	-	-	data gap
20031118	10:50	0.0226	M3.9/08:12/S02E18	-	-	-	✓	1660/08:50/360	-	-	-	✓
20031120	07:44	0.1355	M9.6/07:35/N01W08	-	✓	✓	✓	669/08:06/360	-	✓	✓	✓
20031121	06:03	0.4911	M5.8/23:53 ^{Pd} /N02W17	✓	✓	-	✓	494/00:26/52	✓	✓	-	✓
20031202	12:08	2.3498	C7.2/09:40/S19W89	✓	✓	-	✓	1393/10:50/150	10:26?	✓	-	✓

Table 1: Cont'd

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
20040108	07:21	0.0014	M1.3/04:53/N10E64	-	-	-	-	1713/05:06/144	-	-	-	-
20040204	12:34	0.0030	C9.9/11:12/S05W48	-	-	-	✓	764/11:54/33	-	-	-	✓
20040321	13:51	0.0018	C6.3/09:39/S17W84	-	-	-	-	data gap	-	-	-	-
20040411	05:47	0.8663	C9.6/03:54/S16W46	✓	✓	✓	✓	1645/04:30/314	✓	✓	✓	✓
20040603	02:28	0.0004	uncertain	-	-	-	-	1102/23:16 ^{Pd} /136	-	-	-	-
20040604	10:45	0.0026	uncertain	-	-	-	-	1306/07:50/273	-	-	-	-
20040706	12:25	0.0018	uncertain	-	-	-	-	1444/23:06 ^{Pd} /360	-	-	-	-
20040713	01:43	0.0271	M6.7/00:09/N14W45	-	✓	NA	✓	607/00:54/88	-	-	409/00:54	✓
20040722	15:02	0.0589	C5.3/07:41/N04E10	-	✓	NA	✓	899/08:30/132	-	700/07:32	✓	574/11:54
20040725	16:22	1.4438	M1.1/14:19/N08W33	✓	✓	✓	✓	1333/14:54/360	15:14?	✓	✓	✓
20040801	06:45	0.3831	C8.4/05:16/N10W95 ^v	-	✓	-	-	1192/05:54/197	-	✓	-	-
20040818	19:33	0.0051	X1.8/17:29/S14W90	-	-	-	✓	602/17:54/120	-	-	-	✓
20040830	04:30	0.0004	uncertain	-	-	-	-	uncertain	-	-	-	-
20040903	02:16	0.0028	uncertain	-	-	-	-	751/00:30/360	-	-	-	-
20040912	02:46	0.0553	M4.8/00:04/N03E49	-	-	-	uncertain	1328/00:36/360	-	-	-	uncertain
20040913	11:57	2.7791	uncertain	M4.8/00:04 ^{Pd}	uncertain	-	uncertain	data gap	1328/00:36 ^{Pd}	data gap	-	uncertain
20040919	13:08	2.1127	M1.9/16:46/N03W58	-	✓	-	✓	data gap	-	NA	-	data gap
20041030	05:03	0.1147	M4.2/06:08/N13W22	-	✓	-	✓	422/06:54/360	-	✓	-	✓
20041101	06:36	5.5522	M1.1/03:04/N12W49	NA	NA	NA	✓	459/03:54/192	925/06:06	925/06:06	925/06:06	✓
20041107	18:09	3.1400	X2.0/15:42/N09W17	✓	✓	✓	✓	1759/16:54/360	✓	✓	✓	✓
20041110	05:57	4.7008	X2.5/01:59/N09W49	-	✓	✓	✓	3387/02:26/360	-	✓	✓	✓
20041123	03:15	0.0022	B7.2/22:08 ^{Pd} /S12W90	-	-	-	-	356/00:26/29	-	-	-	-
20041203	09:43	0.2691	M1.5/23:44 ^{Pd} /N08W02	-	✓	-	-	1216/00:26/360	-	✓	-	-
20050101	19:44	0.0004	X1.7/00:01/N06E34	-	-	-	-	832/00:54/360	-	-	-	-
20050114	12:24	0.0010	uncertain	-	-	-	-	uncertain	-	-	-	-
20050115	07:20	0.3081	M8.6/05:54/N11E06	-	✓	✓	✓	2049/06:30/360	-	✓	✓	✓
20050116	00:56	3.9522	X2.6/22:25 ^{Pd} /N14W08	✓	✓	✓	✓	2861/23:07 ^{Pd} /360	✓	✓	✓	✓
20050117	18:18	1.9062	X3.8/06:59/N15W25	-	✓	-	✓	2547/09:54/360	-	2094/09:30	-	✓
20050120	12:03	3.1868	X7.1/06:36/N14W61	-	✓	-	✓	882/06:54/360	-	3256?	-	✓
20050218	16:14	0.0002	uncertain	-	-	-	-	uncertain	-	-	-	∞
20050219	13:51	0.0012	M3.3/10:36/N12W90	-	-	-	-	845/11:30/107	-	-	-	-
20050503	04:50	0.0007	C8.0/21:13 ^{Pd} /S05E90	-	-	-	-	955/22:26 ^{Pd} /148	-	-	-	-
20050505	14:45	0.0550	C7.8/20:09/S04W67	-	-	-	✓	1180/20:30/360	-	-	-	✓
20050511	21:08	0.0192	M1.1/19:22/S10W47	-	-	-	✓	550/20:13/360	-	-	-	✓
20050513	18:02	2.1684	M8.0/16:13/S12E11	✓	✓	✓	✓	1689/17:12/360	✓	✓	✓	✓
20050526	16:38	0.0006	B7.5/13:10/S09E16	-	-	-	-	717/13:27/44	-	-	-	-
20050531	17:57	0.0021	C2.4/14:33/N13W23	-	-	-	-	313/15:32/134	-	-	-	-
20050605	04:25	0.0018	uncertain	-	-	-	-	uncertain	-	-	-	-
20050612	17:39	0.0019	C3.0/15:07/N09W32	-	-	-	-	641/16:00/108	-	-	-	-
20050614	10:09	0.0030	C4.2/06:54/N08W45	-	-	-	-	791/07:24/360	-	-	-	-
20050616	21:09	1.3918	M4.0/20:01/N08W90	✓	✓	✓	✓	data gap	data gap	data gap	data gap	data gap
20050707	24:11	0.0004	M4.9/16:07/N09E03	-	-	-	-	683/17:06/360	-	-	-	-
20050710	01:36	0.0371	M2.8/21:47 ^{Pd} /N12W28	-	-	-	✓	1540/22:30 ^{Pd} /360	-	-	-	✓
20050710	09:36	0.0975	uncertain	-	-	-	uncertain	835/08:54/182	-	-	-	✓
20050712	19:15	0.0055	M1.5/15:47/N09W67	-	-	-	✓	523/16:54/360	-	-	-	✓
20050713	16:02	0.0470	M5.0/14:01/N11W90	-	✓	uncertain	✓	1423/14:30/360	-	✓	✓	✓
20050713	23:13	0.2966	M1.2/21:49/N08W90	-	-	-	✓	539/22:30/34	-	-	-	✓
20050714	14:32	2.9981	X1.2/10:16/N11W90	-	✓	✓	uncertain	2115/10:54/360	-	✓	✓	uncertain
20050717	14:47	0.4314	uncertain	uncertain	NA	NA	uncertain	1527/11:30/360	-	✓	✓	✓
20050721	10:32	0.0041	uncertain	-	-	-	-	925/03:54/360	-	-	-	-
20050725	11:51	0.2180	B3.1/10:51/N13E55	-	-	-	-	1660/11:06/360	-	-	-	-
20050727	21:40	0.9577	M3.7/04:33/N11E90	✓	-	-	✓	1787/04:54/360	✓	-	-	✓
20050729	04:03	0.5168	M4.8/21:39 ^{Pd} /N09E82	-	-	-	-	1478/22:06 ^{Pd} /213	-	-	-	-
20050822	02:40	0.3172	M2.6/00:44/S11W45	-	✓	✓	✓	1194/01:32/360	-	✓	✓	✓
20050822	19:54	3.7658	M5.6/16:46/S13W65	✓	✓	✓	✓	2378/17:30/360	✓	✓	✓	✓
20050829	14:54	0.0472	uncertain	-	-	NA	uncertain	1600/10:54/360	-	-	✓	-
20050901	05:33	0.0576	uncertain	-	-	NA	uncertain	1808/22:30 ^{Pd} /360	-	-	✓	✓
20050905	03:21	0.0111	C2.7/08:53/u	-	-	-	-	2326/09:48/360	-	-	-	-
20050907	21:54	2.3449	X17/17:17/S11E77	✓	✓	-	✓	data gap	data gap	NA	data gap	data gap
20050913	23:21	2.5522	X1.5/19:19/S09E10	-	✓	-	✓	1866/20:00/360	-	✓	-	✓
20051012	07:12	0.0007	C1.2/05:32/S10W14	-	-	-	-	228/06:26/69	-	-	-	-

Table 1: Cont'd

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
20051129	18:33	0.0016	C4.0/16:38/S14W45	-	-	-	-	692/17:30/255	-	-	-	-
20051202	16:19	0.0002	M7.8/10:05/S04E13	-	-	-	-	353/11:06/129	-	-	-	-
20060105	11:27	0.0004	C4.4/09:17/N14W59	-	-	-	-	311/09:54/41	-	-	-	-
20060706	10:01	0.0836	M2.5/08:13/S09W34	-	✓	✓	✓	911/08:54/360	-	✓	✓	✓
20060816	21:17	0.0019	C3.6/14:37/S14W13	-	-	-	-	888/16:30/360	-	-	-	-
20061105	19:53	0.0003	uncertain	-	-	-	-	1398/17:54/196	-	-	-	-
20061106	19:49	0.0043	C8.8/17:43/N00E89	-	-	-	-	1994/17:54/360	-	-	-	-
20061121	10:19	0.0007	uncertain	-	-	-	-	657/06:54/17	-	-	-	-
20061121	20:22	0.0040	uncertain	-	-	-	-	209/16:30/25	-	-	-	-
20061122	14:01	0.0003	uncertain	-	-	-	-	1044/12:06/74	-	-	-	-
20061205	16:55	0.1847	X9.0/10:18/S07E68	✓	✓	✓	✓	data gap	uncertain	NA	-	data gap
20061206	17:47	3.3087	M6.0/08:02/S04E63	-	X6.5/18:29	-	-	data gap	-	NA	-	-
20061213	04:07	5.1326	X3.4/02:14/S06W23	✓	✓	✓	✓	1774/02:54/360	✓	✓	✓	✓
20061215	05:07	0.4289	X1.5/21:07 ^{pd} /S06W46	-	✓	✓	✓	1042/22:30 ^{pd} /360	-	✓	✓	✓
20070519	16:36	0.0028	B9.5/12:48/N03W07	-	-	-	-	958/13:24/106	-	-	-	-
20070523	05:23	0.0016	uncertain	-	-	-	-	uncertain	-	-	-	-
20071231	05:51	0.0003	C8.3/00:37/S08E81	-	-	-	-	995/01:32/164	-	-	-	-
20091222	07:33	0.0011	C7.2/04:50/S26W46	-	-	-	-	318/05:54/47	-	-	-	-
20100212	17:12	0.0007	M8.3/11:19/N26E11	-	-	-	-	uncertain	-	-	-	-
20100404	10:23	0.0002	uncertain	-	-	-	-	uncertain	-	-	-	-
20100612	02:32	0.0207	M2.0/00:30/N43W23	-	-	-	✓	486/01:32/119	-	-	-	✓
20100803	08:51	0.0326	uncertain	-	NA	-	uncertain	data gap	data gap	221/11:12	data gap	221/11:12
20100814	10:53	0.6267	C4.4/09:38/N17W52	✓	✓	✓	✓	1205/10:12/360	17:30?	✓	✓	✓
20100818	07:18	0.1170	C4.5/04:45/N18W88	-	NA	-	✓	1471/05:48/184	-	✓	-	✓
20100831	23:28	0.0191	uncertain	-	-	-	-	1304/21:17/360	-	-	-	-
20100909	01:02	0.0135	C3.3/23:05 ^{pd} /N21W87	-	-	-	-	818/23:27 ^{pd} /147	-	-	-	-
20101231	05:58	0.0004	C1.3/04:18/N12W57	-	-	-	-	363/05:00/45	-	-	-	-
20110128	02:18	0.1474	M1.3/00:44/N16W88	-	-	✓	✓	606/01:26/119	-	-	-	✓
20110215	03:48	0.0811	X2.2/01:44/S20W10	-	-	✓	✓	669/02:24/360	-	-	✓	✓
20110307	16:37	0.0013	M1.9/13:45/N10E18	-	-	-	-	698/14:49/261	-	-	-	-
20110307	21:53	1.8651	M3.7/19:43/N30W48	✓	✓	✓	✓	2125/20:00/360	✓	✓	✓	✓
20110316	22:28	0.0270	C3.7/17:52/N17W72	-	-	-	-	682/19:12/184	-	-	-	-
20110321	04:36	0.2751	uncertain	NA	NA	NA	✓	1341/02:24/360	02:36?	✓	✓	✓
20110329	21:36	0.0011	uncertain	-	-	-	-	1264/20:36/195	-	-	-	-
20110401	18:33	0.0006	uncertain	-	-	-	-	uncertain	-	-	-	-
20110403	08:03	0.0038	uncertain	-	-	-	-	data gap	-	-	-	-
20110404	12:54	0.0058	uncertain	-	-	-	-	uncertain	-	-	-	-
20110511	03:39	0.0133	B8.1/02:23/N17W85	-	-	-	✓	745/02:48/225	-	-	-	✓
20110604	11:51	0.0098	uncertain	-	-	-	✓	1407/06:48/360	-	-	-	✓
20110605	04:20	0.1219	uncertain	-	NA	NA	✓	uncertain	-	578?	2425/22:05 ^{pd}	uncertain
20110607	09:06	1.7359	M2.5/06:16/S21W54	✓	✓	✓	✓	1255/06:49/360	08:03?	✓	✓	✓
20110611	12:54	0.0634	uncertain	-	-	-	-	522/12:00/9	-	-	-	-
20110802	07:12	0.1117	M1.4/05:19/N14W15	-	-	✓	✓	712/06:36/268	-	-	✓	✓
20110803	15:18	0.0229	M6.0/13:17/N16W30	-	-	-	✓	610/14:00/360	-	-	-	✓
20110804	05:55	2.7731	M9.3/03:41/N19W36	✓	✓	✓	✓	1315/04:12/360	✓	338/06:24	✓	✓
20110808	18:49	0.1809	M3.5/18:00/N16W61	-	✓	✓	✓	1343/18:12/237	-	✓	✓	✓
20110809	08:38	1.3060	X6.9/07:48/N17W69	✓	✓	✓	✓	1610/08:12/360	✓	✓	✓	✓
20110904	05:52	0.0116	C9.0/04:36/N19W67	-	-	-	-	262/05:12/53	-	-	-	-
20110905	07:31	0.0017	C7.9/23:58 ^{pd} /N19W87	-	-	-	-	622/00:48/146	-	-	-	-
20110906	02:39	0.0806	M5.3/01:35/N14W07	-	NA	✓	✓	782/02:24/360	-	✓	✓	✓
20110907	01:36	0.2431	X2.1/22:12/N14W18	-	-	✓	✓	575/23:05/360	-	-	✓	✓
20110921	24:20	0.0091	not reported	-	-	-	-	1007/22:12/255	-	-	-	-
20110923	01:56	0.4172	uncertain	-	uncertain	uncertain	uncertain	uncertain	-	uncertain	uncertain	uncertain
20111022	12:22	0.0462	M1.3/10:00/N25W77	-	✓	-	✓	1005/10:24/360	-	✓	-	✓

Table 1: Cont'd

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
20111103	24:08	0.0884	M2.1/23:28/N19E61	-	NA	NA	X1.9/20:16 ^{pd}	991/23:30/360	-	✓	✓	✓
20111110	11:30	0.0034	uncertain	-	-	-	-	uncertain	-	-	-	-
20111118	08:00	0.0015	uncertain	-	-	-	-	1041/20:36 ^{pd} /360	-	-	-	-
20111126	08:35	1.5598	C1.2/06:09/N11W47	✓	✓	✓	✓	933/07:12/360	✓	✓	✓	✓
20120119	18:46	0.0440	M3.2/13:44/N32E22	-	✓	-	✓	1120/14:36/360	-	✓	-	✓
20120127	19:49	5.4468	X1.7/17:37/N27W71	✓	✓	✓	✓	2508/18:28/360	✓	✓	✓	✓
20120224	05:11	0.0126	uncertain	-	NA	-	uncertain	800/03:46/189	-	461/17:36	-	✓
20120304	18:41	0.0790	M2.0/10:29/N19E61	-	✓	-	✓	1306/11:00/360	-	-	-	✓
20120307	06:51	3.1434	X1.3/01:05/N22E12	X5.4/00:02	X5.4/00:02	X5.4/00:02	✓	1825/01:30/360	2684/00:36?	2864?	2684/00:24	✓
20120313	18:49	6.9818	M7.9/17:12/N17W66	✓	✓	✓	✓	1884/17:36/360	✓	✓	✓	✓
20120330	06:58	0.0156	B6.2/23:19 ^{pd} /N23W43	-	-	-	✓	753/23:36 ^{pd} /36	-	-	-	✓
20120405	24:15	0.0055	C1.5/20:49/N18W29	-	-	-	✓	828/21:25/360	-	-	-	-
20120409	15:05	0.0022	C3.9/12:12/N20W65	-	-	-	-	921/12:36/360	-	-	-	-
20120419	17:46	0.0002	C5.9/14:42/S28W42	-	-	-	data gap	540/15:12/142	-	-	-	data gap
20120420	03:16	0.0008	B9.0/01:55/S27W52	-	-	-	-	345/02:00/51	-	-	-	-
20120420	08:38	0.0006	uncertain	-	-	-	-	uncertain	-	-	-	-
20120517	03:29	0.9676	M5.1/01:25/N11W76	-	✓	✓	✓	1582/01:48/360	-	✓	✓	✓
20120526	22:25	0.2388	uncertain	-	NA	-	uncertain	1966/20:58/360	-	✓	-	✓
20120602	07:22	0.0017	C1.5/04:15/N16E42	-	-	-	-	1175/04:36/130	-	-	-	-
20120608	07:15	0.0003	C7.7/02:51/S19W21	-	-	-	-	353/03:47/119	-	-	-	-
20120612	11:06	0.0002	uncertain	-	-	-	-	864/05:24/195	-	-	-	-
20120614	16:59	0.0072	M1.9/12:52/S19E06	✓	✓	-	✓	987/14:12/360	✓	✓	-	✓
20120706	24:00	0.3525	X1.1/23:01/S13W59	✓	-	-	✓	1828/23:24/360	✓	✓	-	✓
20120712	17:52	2.3936	X1.4/15:37/S15W01	✓	✓	✓	✓	885/16:48/360	1710?	✓	✓	✓
20120717	15:50	3.3417	M1.7/12:03/S28W65	✓	✓	✓	✓	958/13:48/176	-	✓	✓	✓
20120719	09:07	2.2590	M7.7/04:17/S13W88	-	✓	✓	✓	1631/05:24/360	-	✓	✓	✓
20120723	07:58	0.3227	uncertain	NA	NA	NA	uncertain	2003/02:36/360	✓	✓	✓	✓
20120805	22:14	0.0031	uncertain	-	-	-	-	uncertain	-	-	-	-
20120813	16:16	0.0004	uncertain	-	-	-	-	uncertain	-	-	-	-
20120819	16:10	0.0008	uncertain	-	-	-	-	uncertain	-	-	-	-
20120831	23:09	0.2294	C8.4/19:45/S19E42	-	-	-	-	1442/20:00/360	-	-	-	-
20120908	11:48	0.0419	uncertain	-	-	uncertain	uncertain	734/10:00/360	-	-	✓	✓
20120921	12:12	0.0092	uncertain	-	-	-	-	639/06:24/360	-	-	-	-
20120927	23:36	0.6277	C3.7/23:36/N06W34	✓	✓	✓	✓	947/24:12/360	✓	✓	✓	✓
20121007	16:24	0.0010	uncertain	-	-	-	-	663/07:36/149	-	-	-	-
20121108	gap	0.0115	uncertain	-	-	data gap	✓	972/11:00/360	-	-	✓	✓
20130206	16:27	0.0041	C8.7/00:04/N22E19	-	-	-	-	1867/00:24/271	-	-	-	-
20130226	13:18	0.0256	uncertain	-	-	-	uncertain	987/09:12/360	-	-	-	✓
20130305	14:02	0.0091	uncertain	-	-	-	uncertain	1316/03:48/360	-	-	-	✓
20130315	17:46	0.0219	M1.1/05:46/N11E12	✓	✓	NA	✓	1063/07:12/360	✓	✓	NA	✓
20130316	02:01	0.1951	uncertain	-	-	-	-	uncertain	-	-	-	uncertain
20130411	08:25	3.4542	M6.5/06:55/N09E12	✓	-	✓	✓	861/07:24/360	✓	✓	✓	✓
20130421	10:38	0.0740	uncertain	-	-	-	uncertain	919/07:24/360	-	-	-	594/22:12 ^{pd}
20130424	23:44	0.0320	C1.6/22:39/N13W65	-	-	NA	uncertain	594/22:12/360	-	-	✓	uncertain
20130428	22:40	0.0008	uncertain	-	-	-	-	uncertain	-	-	-	-
20130502	09:07	0.0013	M1.1/04:58/N10W26	-	-	-	-	671/05:24/99	-	-	-	-
20130513	19:51	0.0370	X2.8/15:48/N11E85	-	-	-	-	1850/16:08/360	-	-	-	✓
20130515	09:29	0.8715	X1.2/01:25/N12E64	✓	-	uncertain	✓	1366/01:48/360	✓	-	✓	✓
20130522	14:34	4.2741	M5.0/13:08/N14W87	✓	-	✓	✓	1466/13:26/360	✓	-	✓	✓
20130621	12:39	0.2603	M2.9/02:30/S16E73	-	-	-	✓	1900/03:12/207	-	-	-	✓
20130628	08:25	0.0176	C4.4/01:36/S18W19	-	-	-	✓	1037/02:00/360	-	-	-	✓
20130817	20:55	0.0088	M3.3/18:16/S07W30	-	-	-	-	1202/19:12/360	-	-	-	✓
20130820	04:39	0.0053	uncertain	-	-	-	uncertain	784/08:12/360	-	-	-	✓
20130830	07:11	0.0013	C8.3/02:04/N13E43	-	-	-	-	949/02:48/360	-	-	-	-

Table 1: Cont'd

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
20130925	07:32	0.0005	uncertain	-	-	-	-	919/20:36 ^{Pd} /360	-	-	-	-
20130930	17:30	1.2856	C1.2/21:43 ^{Pd} /N10W43	✓	-	NA	✓	1179/22:12 ^{Pd} /360	✓	-	NA	✓
20131011	18:31	0.0012	M1.5/07:01/N21E87	-	-	-	-	1200/07:24/360	-	-	-	-
20131022	23:45	0.0317	M4.2/21:15/N04W01	-	-	✓	✓	459/21:48/360	-	-	✓	✓
20131025	13:07	0.0180	X1.7/07:53/S03E68	-	-	✓	✓	587/08:12/360	-	-	✓	1081/15:12
20131028	07:21	0.1248	M5.1/04:32/N08W71	-	-	✓	✓	1201/04:48/156	-	-	✓	✓
20131207	11:58	0.0009	M1.2/07:17/S16W49	-	-	-	-	1085/07:36/360	-	-	-	-
20131212	06:28	0.0053	C4.6/03:11/S23W46	-	-	-	✓	1002/03:36/276	-	-	-	✓
20131214	05:05	0.0377	uncertain	-	-	-	uncertain	518/21:24 ^{Pd} /360	-	-	-	✓
20131226	07:52	0.0824	uncertain	-	-	-	uncertain	1336/03:24/360	-	-	-	✓
20131228	19:57	1.0120	C9.3/17:53/S18E07	✓	-	NA	✓	1118/17:36/360	✓	-	✓	✓
20140104	22:41	0.0110	M4.0/18:47/S11E33	-	-	-	✓	977/21:23/360	-	-	-	✓
20140106	08:55	1.5441	uncertain	NA	-	-	C2.1?	1402/08:00/360	✓	-	✓	✓
20140107	20:42	5.3483	X1.2/18:04/S15W11	✓	-	✓	✓	1830/18:24/360	✓	-	✓	✓
20140121	06:34	0.0069	C3.6/21:39 ^{Pd} /S07E67	-	-	-	-	721/22:00 ^{Pd} /360	-	-	-	-
20140121	20:04	0.0025	M1.3/18:57/S15W16	-	-	-	-	1035/18:48/113	-	-	-	-
20140211	15:25	0.0007	C8.4/13:15/S13E10	-	-	-	-	330/13:48/208	-	-	-	-
20140211	23:46	0.0023	uncertain	-	-	-	-	613/19:24/271	-	-	-	-
20140212	06:25	0.0023	uncertain	-	-	-	-	uncertain	-	-	-	-
20140214	12:42	0.0085	uncertain	-	-	-	uncertain	1165/08:48/360	-	-	-	✓
20140216	11:29	0.0007	M1.1/09:20/S11E01	-	-	-	-	634/10:00/360	-	-	-	-
20140218	04:40	0.0177	uncertain	-	-	-	uncertain	779/01:36/360	-	-	-	✓
20140220	08:19	1.8600	M3.0/07:26/S15W73	✓	-	✓	✓	948/08:00/360	✓	-	✓	✓
20140225	05:29	0.7115	X4.9/00:39/S12E82	✓	-	✓	✓	2147/01:26/360	✓	-	✓	✓
20140322	13:21	0.0004	uncertain	-	-	-	-	756/10:00/169	-	-	-	-
20140324	11:57	0.0017	uncertain	-	-	-	-	809/07:12/159	-	-	-	-
20140325	03:55	0.0177	uncertain	-	-	-	uncertain	uncertain	-	-	-	651/05:36
20140329	01:21	0.0082	M2.6/23:44 ^{Pd} /N10W22	-	-	-	✓	514/23:48 ^{Pd} /138	-	-	-	✓
20140329	19:05	0.1362	X1.0/17:35/N11W32	-	-	✓	✓	528/18:12/360	-	-	✓	✓
20140402	24:37	0.0031	M6.5/13:18/N14E53	-	-	-	-	1471/13:36/360	-	-	-	-
20140405	04:19	0.0319	uncertain	-	-	-	uncertain	798/06:24/203	-	-	-	✓
20140418	14:17	1.6098	M7.3/12:31/S20W34	✓	-	✓	✓	1203/13:26/360	✓	-	✓	✓
20140425	02:27	0.0032	X1.3/00:17/S14W89	-	-	-	-	456/00:48/296	-	-	-	-
20140507	18:46	0.0218	M1.2/16:07/N15E50	-	-	-	✓	923/16:24/360	-	-	-	✓
20140509	04:00	0.0068	uncertain	-	-	NA	uncertain	1099/02:48/360	-	-	✓	✓
20140606	13:21	0.0010	uncertain	-	-	-	-	704/12:48/143	-	-	-	-
20140613	01:21	0.0139	M3.1/21:34 ^{Pd} /S20W55	-	-	-	✓	684/22:12 ^{Pd} /186	-	-	-	✓
20140617	17:06	0.0023	C3.0/08:13/S12E48	-	-	-	-	1198/09:12/360	-	-	-	-
20140708	18:30	0.0011	M6.5/16:06/N12E56	-	-	-	-	773/16:36/360	-	-	-	-
20140822	12:56	0.0004	uncertain	-	-	-	-	600/11:12/360	-	-	-	-
20140825	17:57	0.0438	M2.0/14:46/N05W36	-	-	✓	✓	555/15:36/360	-	-	✓	✓
20140829	03:29	0.0012	uncertain	-	-	-	uncertain	766/17:24 ^{Pd} /360	-	-	-	✓
20140902	05:24	0.0765	uncertain	-	-	NA	uncertain	1901/11:12 ^{Pd} /360	-	-	✓	✓
20140911	01:54	0.9154	X1.6/17:21 ^{Pd} /N14E02	✓	-	✓	✓	1267/18:00 ^{Pd} /360	✓	-	✓	✓
20140922	09:07	0.0907	uncertain	-	-	NA	uncertain	618/06:12/252	-	-	✓	✓
20140925	05:42	0.0045	uncertain	-	-	NA	uncertain	1350/21:30 ^{Pd} /360	-	-	✓	✓

Table 1: Cont'd

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
20140927	23:40	0.0018	uncertain	-	-	-	-	uncertain	-	-	-	-
20141002	20:45	0.0027	M7.3/18:49/S17W82	-	-	-	-	513/19:12/159	-	-	-	-
20141010	18:45	0.0044	C3.0/15:42/S20W51	-	-	-	✓	782/16:12/210	-	-	-	✓
20141013	03:40	0.0005	uncertain	-	-	-	-	521/00:12/125	-	-	-	-
20141015	24:06	0.0022	M2.2/19:07/S11E88	-	-	-	-	848/18:48/360	-	-	-	-
20141101	08:59	0.1453	C2.7/04:44/S22E52	-	-	-	data gap	1628/05:00/159	-	-	-	data gap
20141107	06:25	0.0004	M2.0/04:12/N17E50	-	-	-	data gap	672/04:38/60	-	-	-	data gap
20141109	13:49	0.0023	uncertain	-	-	-	data gap	633/10:24/131	-	-	-	data gap
20141110	11:30	0.0019	C7.6/02:18/N15E04	-	-	-	data gap	230/03:36/80	-	-	-	data gap
20141201	01:19	0.0027	uncertain	-	-	-	-	uncertain	-	-	-	-
20141203	10:48	0.0029	uncertain	-	-	-	-	uncertain	-	-	-	-
20141205	07:36	0.0029	C2.1/05:28/S20W35	-	-	-	-	534/06:24/172	-	-	-	-
20141213	11:07	0.0295	uncertain	-	-	data gap	data gap	2222/14:24/360	-	✓	✓	-
20150106	15:16	0.0012	uncertain	-	-	-	-	uncertain	-	-	-	-
20150221	11:19	0.0557	uncertain	-	-	-	data gap	1120/09:24/360	-	-	-	data gap
20150317	23:30	0.0018	uncertain	-	-	-	-	uncertain	-	-	-	-
20150326	20:32	0.0059	uncertain	-	-	-	✓	uncertain	-	-	-	✓
20150413	02:18	0.0019	C6.4/23:24 ^{Pd} /S14W30	-	-	-	-	678/23:48 ^{Pd} /175	-	-	-	-
20150414	15:14	0.0039	uncertain	-	-	-	-	1198/02:36/360	-	-	-	-
20150429	23:58	0.0008	uncertain	-	-	-	-	uncertain	-	-	-	-
20150506	15:03	0.0010	M1.9/11:45/N17E67	-	-	-	-	738/12:12/132	-	-	-	-
20150512	04:50	0.1915	C2.6/02:15/S21W83	-	-	✓	✓	772/02:48/250	-	-	✓	✓
20150614	07:46	0.0012	C5.9/03:48/S12W34	-	-	-	✓	1228/04:12/195	-	-	-	-
20150618	03:40	0.6172	M1.2/00:33/S16W81	✓	-	✓	✓	1714/01:26/195	-	-	✓	✓
20150621	19:13	1.4723	M2.6/02:06/N12E13	✓	-	✓	✓	1366/02:36/360	✓	-	✓	✓
20150701	16:09	0.1369	uncertain	-	-	NA	✓	1435/14:36/360	-	-	✓	✓
20150719	11:33	0.0026	C2.1/09:22/S25W62	-	-	-	-	782/09:48/194	-	-	-	-
20150719	21:47	0.0009	uncertain	-	-	-	-	uncertain	-	-	-	-
20150720	12:09	0.0002	uncertain	-	-	-	-	uncertain	-	-	-	-
20150812	09:09	0.0007	uncertain	-	-	-	-	uncertain	-	-	-	-
20150824	10:08	0.0003	M5.6/07:26/S15W04	-	-	-	-	272/08:48/88	-	-	-	-
20150920	19:04	0.0713	M2.1/17:32/S20W24	-	-	✓	✓	1239/18:12/360	-	-	✓	✓
20150930	18:49	0.0116	uncertain	-	-	-	✓	586/09:36/102	-	-	-	✓
20151022	06:31	0.0058	M4.4/02:13/S11W27	-	-	-	-	817/03:12/360	-	-	-	-
20151029	03:27	0.5211	uncertain	NA	-	C1.1/01:09	uncertain	530/02:36/202	✓	-	✓	✓
20151104	15:48	0.0075	M3.7/13:31/N08W02	-	-	-	✓	578/14:48/291	-	-	-	✓
20151109	22:17	0.0827	M3.9/12:49/S11E41	-	-	NA	✓	1041/13:25/273	-	-	NA	✓
20151228	13:35	0.0276	M1.8/11:20/N23W11	-	-	-	✓	1212/12:12/360	-	-	-	✓
20151228	22:29	0.0458	uncertain	-	-	-	uncertain	uncertain	-	-	-	uncertain
20160101	24:20	0.6024	M2.3/23:10/S25W82	✓	-	✓	✓	1730/23:24/360	✓	-	✓	✓
20160128	13:17	0.0006	C9.6/11:48/N03W47	-	-	-	-	562/12:24/74	-	-	-	-
20160129	23:48	0.0005	C2.0/20:48/N20W63	-	-	-	-	800/22:12/17	-	-	-	-
20160212	02:50	0.0014	C8.9/20:18 ^{Pd} /N11W07	-	-	-	-	719/21:18 ^{Pd} /360	-	-	-	-
20160212	21:38	0.0005	uncertain	-	-	-	-	uncertain	-	-	-	-
20160213	04:09	0.0007	uncertain	-	-	-	-	uncertain	-	-	-	-
20160316	08:02	0.0321	C2.2/06:34/N12W88	-	-	✓	✓	592/07:00/154	-	-	✓	✓
20160418	02:40	0.0174	M6.7/00:14/N12W62	-	-	-	✓	1084/00:48/162	-	-	-	✓
20160502	17:57	0.0015	uncertain	-	-	-	-	uncertain	-	-	-	-
20160515	17:17	0.0342	C3.2/15:19/N21W06	-	-	-	✓	1118/15:12/176	-	-	-	✓
20160720	24:50	0.0006	C4.6/22:03/N05W40	-	-	-	-	426/23:12/52	-	-	-	-