

PRELIMINARY

MSFC Flash #	Date (UT)	Peak Time (UT)	Probable Type	Lunar longitude	Lunar latitude	Region	# of video frames (1/30 sec)	Lunar illum. fraction	Lunar phase	Lunar elevation (deg)	Aperture (cm)	Optical config.	Effective focal length (cm)	Camera	Digitizer	Location	Observers	Press release links
1	7-Nov-05	23:40:53.0	Taund	39.5 W	31.9 N	Gruthuisen	5	0.38	wax	28.4	25.4	Newtonian T	119	StellaCam EX	Sony GV-D800	MSFC 4487	Suggs and Swift	http://science.nasa.gov/headlines/y2005/22dec_lunartaund.htm
2	2-May-06	02:34:39.0	Sporadic	19.6 W	24.3 S	Bullialdus	14	0.21	wax	26.1	25.4	Newtonian T	119	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser and McNamara	http://science.nasa.gov/headlines/y2006/13jun_lunarsporadic.htm
3	4-Jun-06	04:48:35.4	Sporadic	35.8 W	11.8 S	Rima Herigonius	1.5	0.52	wax	18.9	25.4	Newtonian T	119	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift, Hollon, & Altstatt	
105	21-Jun-06	08:35:45.0	Sporadic	22.7 E	2.1 N	Central Mare Tranquillitatus	2	0.20	wan	15.4	25.4	Newtonian T	119	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser and McNamara	
4	21-Jun-06	08:57:17.5	Sporadic	62.9 E	13.9 N	Mare Crisium	2.5	0.21	wan	19.7	25.4	Newtonian T	119	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser and McNamara	
4	21-Jun-06	08:57:17.5	Sporadic	62.9 E	13.9 N	Mare Crisium	1.5	0.21	wan	19.7	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs	
5	19-Jul-06	10:14:44.0	Sporadic	56 E	22 N	Mare Crisium	1	0.32	wan	51.2	25.4	Newtonian T	119	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs	
5	19-Jul-06	10:14:44.0	Sporadic	56 E	22 N	Mare Crisium	2	0.32	wan	51.2	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser	
6	3-Aug-06	01:43:19.1	Sporadic?	38 W	26 N	Aristarchus	3.5	0.47	wax	27.8	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser and Altstatt	
7	3-Aug-06	01:46:11.2	Sporadic?	78 W	32 N	Ulugh Beigh B	1.5	0.47	wax	27.5	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser and Altstatt	
106	3-Aug-06	02:20:33.0	Sporadic?	48 W	33 N	Wollaston D	1	0.57	wax	23.8	25.4	Newtonian T	119	StellaCam EX	Sony GV-D800	MSFC ALAMO	Altstatt	
106	3-Aug-06	02:20:33.0	Sporadic?	48 W	33 N	Wollaston D	1	0.57	wax	23.8	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser	
107	3-Aug-06	02:40:31.6	Sporadic?	39 W	6 S	Wichmann R	4	0.57	wax	21.4	25.4	Newtonian T	119	StellaCam EX	Sony GV-D800	MSFC ALAMO	Altstatt	
107	3-Aug-06	02:40:31.6	Sporadic?	39 W	6 S	Wichmann R	4	0.57	wax	21.4	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser	
108	3-Aug-06	03:17:10.2	Sporadic?	78 W	5 N	Hedin A	2	0.57	wax	16.3	25.4	Newtonian T	119	StellaCam EX	Sony GV-D800	MSFC ALAMO	Altstatt	
108	3-Aug-06	03:17:10.2	Sporadic?	78 W	5 N	Hedin A	2	0.57	wax	16.3	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser	
8	4-Aug-06	02:24:57.0	Sporadic?	62 W	37 N	Naumann	3	0.57	wax	25.0	25.4	Newtonian T	119	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs	
8	4-Aug-06	02:24:57.0	Sporadic?	62 W	37 N	Naumann	2	0.57	wax	25.0	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Hollon	
9	4-Aug-06	02:50:14.0	Sporadic?	33 W	22 S	Mare Humorum	2	0.57	wax	22.8	25.4	Newtonian T	119	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs	
9	4-Aug-06	02:50:14.0	Sporadic?	33 W	22 S	Mare Humorum	2	0.57	wax	22.8	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Hollon	
10	16-Sep-06	09:52:53.0	Sporadic	57 E	32 S	Vallis Snellius	1	0.41	wan	44.3	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser	
10	16-Sep-06	09:52:53.0	Sporadic	57 E	32 S	Vallis Snellius	1	0.41	wan	44.3	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj	
109	17-Sep-06	10:16:11.2	Sporadic	28.3 E	31.6 N	Posidonius	2	0.21	wan	37.6	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift and Suggsrj	
110	28-Sep-06	00:42:57.0	Sporadic	30.8 W	0.5 S	Lansberg A	1	0.26	wax	13.2	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Smith	
110	28-Sep-06	00:42:57.0	Sporadic	30.8 W	0.5 S	Lansberg A	1	0.26	wax	13.2	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Altstatt	
58	29-Oct-06	01:18:43.0	Sporadic	45.7 W	1.7 N	Suess F	1	0.41	wax	21.2	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Altstatt	
58	29-Oct-06	01:18:43.0	Sporadic	45.7 W	1.7 N	Suess F	1	0.41	wax	21.2	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser	
59	29-Oct-06	02:00:29.3	Sporadic	18.9 W	16.0 S	Mare Cognitum	2	0.44	wax	16.0	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser and Altstatt	
111	30-Oct-06	00:13:48.0	Sporadic	54.0 W	7.8 N	Reiner	1	0.51	wax	32.1	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Smith	
111	30-Oct-06	00:13:48.0	Sporadic	54.0 W	7.8 N	Reiner	1	0.51	wax	32.1	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Altstatt	
13	30-Oct-06	00:24:27.0	Sporadic	39.5 W	27.5 S	Mare Humorum	1	0.51	wax	31.9	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Smith	
13	30-Oct-06	00:24:27.0	Sporadic	39.5 W	27.5 S	Mare Humorum	1.5	0.51	wax	31.9	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Altstatt	
21	13-Nov-06	11:03:14.0	Sporadic	90.0 E	24.2 S	Curie	2	0.43	wan	61.1	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs	
21	13-Nov-06	11:03:14.0	Sporadic	90.0 E	24.2 S	Curie	3	0.43	wan	61.1	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Cooke	
22	14-Nov-06	08:26:39.0	Sporadic	21.4 E	16.8 S	Catharina D	2	0.34	wan	22.0	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	McNamara	
22	14-Nov-06	08:26:39.0	Sporadic	21.4 E	16.8 S	Catharina D	2	0.34	wan	22.0	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj	
12	17-Nov-06	10:46:27.0	Leonid	76.7 E	42.6 N	Zeno X	1	0.11	wan	16.1	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser and Coffey	http://science.nasa.gov/headlines/y2006/01dec_lunarleonid.htm
12	17-Nov-06	10:46:27.0	Leonid	76.7 E	42.6 N	Zeno X	1	0.11	wan	16.1	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift	
11	17-Nov-06	10:56:34.0	Leonid	80.3 E	36.1 N	Gauss	1	0.11	wan	17.8	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser and Coffey	http://science.nasa.gov/headlines/y2006/01dec_lunarleonid.htm
11	17-Nov-06	10:56:34.0	Leonid	80.3 E	36.1 N	Gauss	2	0.11	wan	17.8	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift	
23	17-Nov-06	11:02:28.0	Leonid	85.5 E	5.0 N	Mare Smythii	1	0.11	wan	18.9	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser and Coffey	
23	17-Nov-06	11:02:28.0	Leonid	85.5 E	5.0 N	Mare Smythii	2	0.11	wan	18.9	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift	
24	17-Nov-06	11:09:11.0	Leonid	68.8 E	10.0 S	Barkla	1	0.11	wan	20.1	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser and Coffey	
24	17-Nov-06	11:09:11.0	Leonid	68.8 E	10.0 S	Barkla	1	0.11	wan	20.1	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift	
25	24-Nov-06	23:24:04.0	Sporadic	86.8 W	5.5 N	Hedin C	1	0.17	wax	19.7	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Altstatt	
25	24-Nov-06	23:24:04.0	Sporadic	86.8 W	5.5 N	Hedin C	2	0.17	wax	19.7	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift	
26	24-Nov-06	23:58:13.0	Sporadic	28.7 W	37.8 S	Lacus Timoris	2	0.17	wax	15.8	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Altstatt	
26	24-Nov-06	23:58:13.0	Sporadic	28.7 W	37.8 S	Lacus Timoris	1	0.17	wax	15.8	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift	
27	25-Nov-06	00:55:54.0	Sporadic	89.8 W	1.3 N	Hedin Z	1	0.17	wax	7.9	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Altstatt	
27	25-Nov-06	00:55:54.0	Sporadic	89.8 W	1.3 N	Hedin Z	1	0.17	wax	7.9	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift	
28	26-Nov-06	00:59:16.0	Sporadic	21.2 W	41.3 N	Mare Imbrium	2	0.26	wax	17.8	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs	
28	26-Nov-06	00:59:16.0	Sporadic	21.2 W	41.3 N	Mare Imbrium	2	0.26	wax	17.8	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Altstatt	
29	26-Nov-06	01:28:43.0	Sporadic	32 W	18.2 N	Natasha	1	0.26	wax	13.8	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs	
29	26-Nov-06	01:28:43.0	Sporadic	32 W	18.2 N	Natasha	1	0.26	wax	13.8	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Altstatt	
30	26-Nov-06	01:30:29.0	Sporadic	32.5 W	28.3 N	Rima Diophantus	1	0.26	wax	13.5	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs	
30	26-Nov-06	01:30:29.0	Sporadic	32.5 W	28.3 N	Rima Diophantus	1	0.26	wax	13.5	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Altstatt	
14	14-Dec-06	08:12:40.0	Geminid	33.7 E	46.5 N	Lacus Somniorum	1	0.33	wan	11.8	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs	http://science.nasa.gov/headlines/y2007/03jan_lunargeminids.htm
14	14-Dec-06	08:12:40.0	Geminid	33.7 E	46.5 N	Lacus Somniorum	1	0.33	wan	11.8	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift	
116	14-Dec-06	08:14:42.4	Satellite?	72.8 E	25.1 N	Plutarch K	1	0.33	wan	12.2	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift	
116	14-Dec-06	08:14:42.4	Geminid?	72.8 E	25.1 N	Plutarch K	1	0.33	wan	12.2	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift	
117	14-Dec-06	08:16:46.4	Geminid	51.4 E	21.2 S	Biot B	2	0.33	wan	12.6	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs	
117	14-Dec-06	08:16:46.4	Geminid	51.4 E	21.2 S	Biot B	1	0.33	wan	12.6	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift	
118	14-Dec-06	08:32:06.6	Geminid	70.6 E	2.4 N	Dubiago B	1	0.33	wan	15.4	35.5							

32	15-Dec-06	09:17:39.0	Geminid	60.2 E	26.6 N	Delmotte	1	0.24	wan	12.9	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
33	15-Dec-06	09:53:28.0	Geminid	67.0 E	13.0 S	Lame N	3	0.24	wan	19.1	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser
34	16-Dec-06	06:40.0	Geminid	26.6 E	40.8 S	Theophilus	4	0.47	wan	7.9	36.5	Rit Chret-T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser and Coffey
35	24-Dec-06	00:27:42.0	Sporadic	60.6 W	17.8 S	De Vico T	2	0.13	wax	14.8	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
35	24-Dec-06	00:27:42.0	Sporadic	60.6 W	17.8 S	De Vico T	2	0.13	wax	14.8	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
36	23-Feb-07	00:11:36.0	Sporadic	9.6 W	8.7 S	Palsa T	2	0.35	wax	62.4	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
37	23-Feb-07	00:47:44.5	Sporadic	12.8 W	6.8 S	Parry C	1	0.35	wax	55.7	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
37	23-Feb-07	00:47:44.5	Sporadic	12.8 W	6.8 S	Parry C	2	0.35	wax	55.7	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
38	23-Feb-07	04:02:43.6	Sporadic	33.9 W	21.0 N	Brayley F	1	0.36	wax	17.9	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
38	23-Feb-07	04:02:43.6	Sporadic	33.9 W	21.0 N	Brayley F	1	0.36	wax	17.9	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
38	28-Mar-07	00:59:10.2	Sporadic	15.0 W	28.0 N	Heinrich	2	0.42	wax	85.9	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
39	25-Mar-07	00:59:10.2	Sporadic	15.0 W	28.0 N	Heinrich	2	0.42	wax	85.9	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
40	13-Apr-07	10:38:03.9	Sporadic	79 E	16.5 S	Behaim	3	0.22	wan	17.0	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
40	13-Apr-07	10:38:03.9	Sporadic	79 E	16.5 S	Behaim	3	0.22	wan	17.0	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
41	20-Apr-07	01:40:03.8	Sporadic	79.0 W	23.0 N	Struve	2	0.10	wax	18.9	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	McNamara and Smith
42	22-Apr-07	01:15:05.1	Sporadic	19.8 W	31.5 S	Weiss	1	0.27	wax	48.5	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
42	22-Apr-07	01:15:05.1	Sporadic	19.8 W	31.5 S	Weiss	2	0.27	wax	48.5	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
43	22-Apr-07	01:15:43.9	Lyrid	19.2 W	9.8 S	Mare Cognium	2	0.27	wax	48.3	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
43	22-Apr-07	01:15:43.9	Lyrid	19.2 W	9.8 S	Mare Cognium	2	0.27	wax	48.3	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
44	22-Apr-07	01:38:33.8	Lyrid	19.0 W	26.4 N	S. Mare Imbrium	2	0.27	wax	43.9	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
44	22-Apr-07	01:38:33.8	Lyrid	19.0 W	26.4 N	S. Mare Imbrium	2	0.27	wax	43.9	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
44	22-Apr-07	01:38:33.8	Lyrid	19.0 W	26.4 N	S. Mare Imbrium	1	0.27	wax	50.5	20.3	Schm Cass	-	Supercircuits PC164	Sony DCR-TRV480	Houston, TX	Clark
45	22-Apr-07	03:12:24.3	Lyrid	19.2 W	24.0 N	S. Mare Imbrium	2	0.28	wax	25.8	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
45	22-Apr-07	03:12:24.3	Lyrid	19.2 W	24.0 N	S. Mare Imbrium	4	0.28	wax	25.8	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
45	22-Apr-07	03:12:24.3	Lyrid	19.2 W	24.0 N	S. Mare Imbrium	2	0.28	wax	20.1	20.3	Newtonian	81	StellaCam II	Sony GV-D800	Mt Airy, MD	Varros
46	22-Apr-07	03:52:37.0	Lyrid	17.6 W	4.8 S	Fra Mauro	1	0.28	wax	18.4	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
46	22-Apr-07	03:52:37.0	Lyrid	17.6 W	4.8 S	Fra Mauro	2	0.28	wax	18.4	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
47	22-Apr-07	04:22:27.1	Lyrid	43.8 W	30.0 N	Dorsa Argand	1	0.28	wax	13.0	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
47	22-Apr-07	04:22:27.1	Lyrid	43.8 W	30.0 N	Dorsa Argand	2	0.28	wax	13.0	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
48	22-Apr-07	04:42:59.6	Lyrid	41.0 W	0.2 S	E. Oceanus Procellarum	5	0.29	wax	9.4	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
49	23-Apr-07	01:15:54.6	Lyrid	48.2 W	6.8 N	Central Oceanus Procellarum	1	0.37	wax	59.2	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
49	23-Apr-07	01:15:54.6	Lyrid	48.2 W	6.8 N	Central Oceanus Procellarum	1	0.37	wax	59.2	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
50	23-Apr-07	02:23:21.4	Lyrid	18.6 W	5.0 N	Copernicus	2	0.37	wax	45.9	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
50	23-Apr-07	02:23:21.4	Lyrid	18.6 W	5.0 N	Copernicus	2	0.37	wax	45.9	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
51	23-Apr-07	03:01:10.3	Sporadic	70.0 W	24.4 S	Byrgius	1	0.38	wax	38.4	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
51	23-Apr-07	03:01:10.3	Sporadic	70.0 W	24.4 S	Byrgius	1	0.38	wax	38.4	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
52	23-Apr-07	04:08:48.8	Lyrid	27.5 W	26.2 N	S. Mare Imbrium	2	0.39	wax	25.3	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
52	23-Apr-07	04:08:48.8	Lyrid	27.5 W	26.2 N	S. Mare Imbrium	2	0.39	wax	25.3	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
53	23-Apr-07	04:42:34.8	Lyrid	28.2 W	10.2 S	Eudides	3	0.39	wax	19.0	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
53	23-Apr-07	04:42:34.8	Lyrid	28.2 W	10.2 S	Eudides	2	0.39	wax	19.0	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
54	23-Apr-07	04:59:57.6	Lyrid	60.0 W	30.0 N	Aristarchus	2	0.39	wax	15.7	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
54	23-Apr-07	04:59:57.6	Lyrid	60.0 W	30.0 N	Aristarchus	2	0.39	wax	15.7	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
55	21-May-07	02:50:53.0	Sporadic	26.4 W	0.0 N	Lansberg	2	0.23	wax	24.6	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
55	21-May-07	02:50:53.0	Sporadic	26.4 W	0.0 N	Lansberg	2	0.23	wax	24.6	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
56	21-May-07	03:10:07.0	Sporadic	68.3 W	7.3 N	Cavalerius	1	0.23	wax	20.7	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
56	21-May-07	03:10:07.0	Sporadic	68.3 W	7.3 N	Cavalerius	1	0.23	wax	20.7	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
57	22-May-07	03:10:26.8	Sporadic	45.8 W	38.6 N	Rima Meiran	2	0.32	wax	18.3	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift and Coffey
60	8-Aug-07	08:03:10.0	Sporadic	70.5 E	24.0 N	Eimart	1	0.23	wan	18.0	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
60	8-Aug-07	08:03:10.0	Sporadic	70.5 E	24.0 N	Eimart	1	0.23	wan	18.0	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
61	8-Aug-07	09:01:17.0	Sporadic	60.6 E	13.3 N	S. Mare Crisium	2	0.23	wan	28.8	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
61	8-Aug-07	09:01:17.0	Sporadic	60.6 E	13.3 N	S. Mare Crisium	1	0.23	wan	28.8	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
62	8-Aug-07	09:44:16.7	Sporadic	82.2 E	5.0 N	Knox-Shaw	1	0.22	wan	37.0	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
62	8-Aug-07	09:44:16.7	Sporadic	82.2 E	5.0 N	Knox-Shaw	1	0.22	wan	37.0	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
63	9-Aug-07	09:10:49.8	Sporadic	48.7 E	10.4 N	Lick N	3	0.14	wan	19.2	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Coffey
63	9-Aug-07	09:10:49.8	Sporadic	48.7 E	10.4 N	Lick N	2	0.14	wan	19.2	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
64	21-Aug-07	02:52:44.8	Sporadic	80 W	30 S	Krasnov	2	0.51	wax	12.7	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Coffey
64	21-Aug-07	02:52:44.8	Sporadic	80 W	30 S	Krasnov	2	0.51	wax	12.7	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
65	19-Sep-07	02:36:10.2	Sporadic	50.0 W	0.0 N	Central Oceanus Procellarum	2	0.44	wax	9.3	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
65	19-Sep-07	02:36:10.2	Sporadic	50.0 W	0.0 N	Central Oceanus Procellarum	1	0.44	wax	9.3	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
65	19-Sep-07	02:36:10.2	Sporadic	50.0 W	0.0 N	Central Oceanus Procellarum	1	0.44	wax	8.4	35.5	Rit Chret WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
66	6-Oct-07	08:42:52.0	Sporadic	75.6 E	24.3 N	Plutarch D	1	0.21	wan	14.6	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
66	6-Oct-07	08:42:52.0	Sporadic	75.6 E	24.3 N	Plutarch D	1	0.21	wan	14.6	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
66	6-Oct-07	08:42:52.0	Sporadic	75.6 E	24.3 N	Plutarch D	1	0.21	wan	15.8	35.5	Rit Chret WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
67	20-Oct-07	01:16:35.0	Orionid	71.2 W	6.0 N	Cavalerius B	1	0.57	wax	31.5	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
67	20-Oct-07	01:16:35.0	Orionid	71.2 W	6.0 N	Cavalerius B	2	0.57	wax	31.5	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
67	20-Oct-07	01:16:35.0	Orionid	71.2 W	6.0 N	Cavalerius B	1	0.57	wax	31.0	35.5	Rit Chret WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
68	20-Oct-07	04:28:17.4	Orionid	64.0 W	9.0 S	Rimas Girmaldi	2	0.59	wax	9.9	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
68	20-Oct-07	04:28:17.4	Orionid	64.0 W	9.0 S	Rimas Girmaldi	1	0.59	wax	9.9	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
69	5-Nov-07	09:20:47.9	Sporadic	49.2 E	2.3 S	E. Mare Fecunditatis	2	0.17	wan	12.3	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
69	5-Nov-07	09:20:47.9	Sporadic	49.2 E	2.3 S	E. Mare Fecunditatis	1	0.17	wan	12.3	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
69	5-Nov-07	09:20:47.9	Sporadic	49.2 E	2.3 S	E. Mare Fecunditatis	2	0.17	wan	13.3	35.5	Rit Chret WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
70	16-Nov-07	00:11:21.2	Leonid	55.6 W	37.0 S	Lehmann E	1	0.30	wax	26.0	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
70	16-Nov-07	00:11:21.2	Leonid	55.6 W	37.0 S	Lehmann E	1	0.30	wax	25.3	35.5	Rit Chret WC	94	StellaCam EX	Sony GV-D800	WC, GA	Swift
71	16-Nov-07	00:27:08.9	Leonid	58.2 W	32.5 N	Dorsa Whiston	3	0.30	wax	24.7	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
71	16-Nov-07	00:27:08.9	Leonid	58.2 W	32.5 N	Dorsa Whiston	3	0.30	wax	24.7	35.5	Rit Chret SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
72	17-Nov-07	02:06:01.2	Leonid	76.6 W	23.0 N	Struve											

82	1-Jan-08	07:43:39.0	Sporadic	79.0 E	24.1 N	Plutarch	1	0.40	wan	9.3	35.5	Rit Chret SD	94	Waterc Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
82	1-Jan-08	07:43:39.0	Sporadic	79.0 E	24.1 N	Plutarch	1	0.40	wan	10.2	35.5	Rit Chret WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
83	2-Jan-08	08:33:13.0	Sporadic	42.4 E	33.0 S	Neander H	2	0.31	wan	7.5	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
83	2-Jan-08	08:33:13.0	Sporadic	42.4 E	33.0 S	Neander H	1	0.31	wan	7.5	35.5	Rit Chret SD	94	Waterc Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
84	3-Jan-08	10:25:37.8	Quadrantid	89.3 E	26.3 N	Liapunov	1	0.22	wan	15.4	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Coffey
84	3-Jan-08	10:25:37.8	Quadrantid	89.3 E	26.3 N	Liapunov	1	0.22	wan	15.4	35.5	Rit Chret SD	94	Waterc Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
85	4-Jan-08	10:58:26.2	Quadrantid	38.0 E	39.9 N	Maury P	2	0.14	wan	10.9	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
85	4-Jan-08	10:58:26.2	Quadrantid	38.0 E	39.9 N	Maury P	1	0.14	wan	10.9	35.5	Rit Chret SD	94	Waterc Ult H2	Sony GV-D800	MSFC ALAMO	Swift
85	4-Jan-08	10:58:26.2	Quadrantid	38.0 E	39.9 N	Maury P	1	0.14	wan	11.6	35.5	Rit Chret WC	94	StellaCam EX	Sony GV-D800	WC, GA	Swift and Suggs
86	4-Jan-08	11:42:38.7	Quadrantid	72.0 E	39.6 N	Gausc C	10	0.14	wan	16.9	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
86	4-Jan-08	11:42:38.7	Quadrantid	72.0 E	39.6 N	Gausc C	12	0.14	wan	16.9	35.5	Rit Chret SD	94	Waterc Ult H2	Sony GV-D800	MSFC ALAMO	Swift
86	4-Jan-08	11:42:38.7	Quadrantid	72.0 E	39.6 N	Gausc C	10	0.14	wan	17.2	35.5	Rit Chret WC	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift and Suggs
87	4-Jan-08	11:48:36.4	Quadrantid	64.0 E	34.0 N	Berosus F	2	0.14	wan	17.6	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
87	4-Jan-08	11:48:36.4	Quadrantid	64.0 E	34.0 N	Berosus F	1	0.14	wan	17.6	35.5	Rit Chret SD	94	Waterc Ult H2	Sony GV-D800	MSFC ALAMO	Swift
87	4-Jan-08	11:48:36.4	Quadrantid	64.0 E	34.0 N	Berosus F	1	0.14	wan	18.2	35.5	Rit Chret WC	94	StellaCam EX	Sony GV-D800	WC, GA	Swift and Suggs
88	14-Jan-08	00:22:26.0	Sporadic	49.0 W	24.4 S	Liebig	1	0.30	wax	44.4	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
88	14-Jan-08	00:22:26.0	Sporadic	49.0 W	24.4 S	Liebig	1	0.30	wax	44.4	35.5	Rit Chret SD	94	Waterc Ult H2	Sony GV-D800	MSFC ALAMO	Diekmann
88	14-Jan-08	00:22:26.0	Sporadic	49.0 W	24.4 S	Liebig	1	0.30	wax	44.5	35.5	Rit Chret WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs and Diekmann
89	15-Jan-08	02:19:55.6	Sporadic	37.0 W	1.0 N	Encke C	2	0.41	wax	36.6	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Coffey
89	15-Jan-08	02:19:55.6	Sporadic	37.0 W	1.0 N	Encke C	2	0.41	wax	36.6	35.5	Rit Chret SD	94	Waterc Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
89	15-Jan-08	02:19:55.6	Sporadic	37.0 W	1.0 N	Encke C	1	0.41	wax	35.5	35.5	Rit Chret WC	94	StellaCam EX	Sony GV-D800	WC, GA	Coffey and Suggs
90	15-Jan-08	02:57:06.5	Sporadic	75.5 W	33.0 S	Lagrange N	1	0.42	wax	29.5	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Coffey
90	15-Jan-08	02:57:06.5	Sporadic	75.5 W	33.0 S	Lagrange N	1	0.42	wax	29.5	35.5	Rit Chret SD	94	Waterc Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
90	15-Jan-08	02:57:06.5	Sporadic	75.5 W	33.0 S	Lagrange N	1	0.42	wax	28.4	35.5	Rit Chret WC	94	StellaCam EX	Sony GV-D800	WC, GA	Coffey and Suggs
91	15-Jan-08	04:05:07.9	Sporadic	67.0 W	10.3 S	Rocca W	1	0.42	wax	16.4	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Coffey
91	15-Jan-08	04:05:07.9	Sporadic	67.0 W	10.3 S	Rocca W	1	0.42	wax	16.4	35.5	Rit Chret WC	94	Waterc Ult H2	Sony GV-D800	MSFC ALAMO	Coffey and Suggs
92	11-Feb-08	01:09:26.9	Sporadic	27.2 W	17.8 S	Lubiniezy E	2	0.17	wax	25.7	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
92	11-Feb-08	01:09:26.9	Sporadic	27.2 W	17.8 S	Lubiniezy E	2	0.17	wax	25.7	50.8	Rit Chret SD	TBD	Waterc Ult H2	Sony GV-D800	MSFC ALAMO	Diekmann
92	11-Feb-08	01:09:26.9	Sporadic	27.2 W	17.8 S	Lubiniezy E	1	0.17	wax	24.6	35.5	Rit Chret WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs and Diekmann
93	12-Feb-08	00:24:44.4	Sporadic	76.5 W	12.0 S	Rocca	1	0.26	wax	47.1	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	McNamara
93	12-Feb-08	00:24:44.4	Sporadic	76.5 W	12.0 S	Rocca	3	0.26	wax	47.1	50.8	Rit Chret SD	TBD	Waterc Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
93	12-Feb-08	00:24:44.4	Sporadic	76.5 W	12.0 S	Rocca	1	0.26	wax	46.0	35.5	Rit Chret WC	94	StellaCam EX	Sony GV-D800	WC, GA	McNamara and Suggs
94	14-Feb-08	03:15:30.5	Sporadic	82.2 W	29.4 S	Krasnov	2	0.49	wax	38.5	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
94	14-Feb-08	03:15:30.5	Sporadic	82.2 W	29.4 S	Krasnov	1	0.49	wax	40.3	50.8	Rit Chret SD	TBD	Waterc Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
95	14-Feb-08	05:15:03.1	Sporadic	75.4 W	26.5 N	Russell	2	0.50	wax	17.4	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
95	14-Feb-08	05:15:03.1	Sporadic	75.4 W	26.5 N	Russell	2	0.50	wax	17.4	50.8	Rit Chret SD	TBD	Waterc Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
96	12-Mar-08	00:40:42.4	Sporadic	23.2 W	24.8 S	Kies	11	0.23	wax	45.4	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
96	12-Mar-08	00:40:42.4	Sporadic	23.2 W	24.8 S	Kies	10	0.23	wax	45.4	50.8	Rit Chret SD	TBD	Waterc Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
96	12-Mar-08	00:40:42.4	Sporadic	23.2 W	24.8 S	Kies	13	0.23	wax	44.3	35.5	Rit Chret WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
97	12-Mar-08	01:13:31.9	Sporadic	49.5 W	7.0 S	Flamsteed J	3	0.23	wax	38.0	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
97	12-Mar-08	01:13:31.9	Sporadic	49.5 W	7.0 S	Flamsteed J	3	0.23	wax	38.0	50.8	Rit Chret SD	TBD	Waterc Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
97	12-Mar-08	01:13:31.9	Sporadic	49.5 W	7.0 S	Flamsteed J	1	0.23	wax	37.9	35.5	Rit Chret WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
98	12-Mar-08	02:03:07.0	Sporadic	56.4 W	6.4 S	Sirsalis E	2	0.23	wax	29.3	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
98	12-Mar-08	02:03:07.0	Sporadic	56.4 W	6.4 S	Sirsalis E	2	0.23	wax	29.3	50.8	Rit Chret SD	TBD	Waterc Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
98	12-Mar-08	02:03:07.0	Sporadic	56.4 W	6.4 S	Sirsalis E	1	0.23	wax	28.3	35.5	Rit Chret WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
99	13-Mar-08	01:38:48.5	Sporadic	48.0 W	2.5 S	Flamsteed X	1	0.34	wax	47.3	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
99	13-Mar-08	01:38:48.5	Sporadic	48.0 W	2.5 S	Flamsteed X	1	0.34	wax	47.3	50.8	Rit Chret SD	TBD	Waterc Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
99	13-Mar-08	01:38:48.5	Sporadic	48.0 W	2.5 S	Flamsteed X	1	0.34	wax	46.2	35.5	Rit Chret WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
100	13-Mar-08	02:04:22.4	Sporadic	77.0 W	23.0 S	Eischstadt	6	0.34	wax	42.2	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
100	13-Mar-08	02:04:22.4	Sporadic	77.0 W	23.0 S	Eischstadt	7	0.34	wax	42.2	50.8	Rit Chret SD	TBD	Waterc Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
100	13-Mar-08	02:04:22.4	Sporadic	77.0 W	23.0 S	Eischstadt	7	0.34	wax	41.2	35.5	Rit Chret WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
100	13-Mar-08	02:04:22.4	Sporadic	77.0 W	23.0 S	Eischstadt	3	0.34	wax	35.1	20.3	Newtonian	81	StellaCam II	Sony GV-D800	Mt Airy, MD	Varrors
101	14-Mar-08	01:59:33.9	Sporadic	30.0 W	6.4 N	Hortensius	1	0.46	wax	56.0	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
101	14-Mar-08	01:59:33.9	Sporadic	30.0 W	6.4 N	Hortensius	1	0.46	wax	56.0	50.8	Rit Chret SD	TBD	Waterc Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
102	9-Apr-08	02:16:38.5	Sporadic	32.4 W	16.4 S	Herigonius G	2	0.12	wax	14.4	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
102	9-Apr-08	02:16:38.5	Sporadic	32.4 W	16.4 S	Herigonius G	2	0.12	wax	14.4	50.8	Rit Chret SD	TBD	Waterc Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
103	10-Apr-08	01:15:24.7	Sporadic	66.0 W	5.0 S	Grimaldi	2	0.20	wax	39.0	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Coffey
103	10-Apr-08	01:15:24.7	Sporadic	66.0 W	5.0 S	Grimaldi	2	0.20	wax	39.0	50.8	Rit Chret SD	TBD	Waterc Ult H2	Sony GV-D800	MSFC ALAMO	McNamara
104	9-May-08	02:57:02.4	Sporadic	18.2 W	31.3 S	Weiss B	1	0.18	wax	18.2	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Smith
104	9-May-08	02:57:02.4	Sporadic	18.2 W	31.3 S	Weiss B	1	0.18	wax	18.2	50.8	Rit Chret SD	TBD	Waterc Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
104	9-May-08	02:57:02.4	Sporadic	18.2 W	31.3 S	Weiss B	1	0.18	wax	17.2	35.5	Rit Chret WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs and Smith
112	7-Jun-08	02:27:24.8	Sporadic	78.5 W	22.8 N	Struve	5	0.15	wax	18.0	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
112	7-Jun-08	02:27:24.8	Sporadic	78.5 W	22.8 N	Struve	1	0.15	wax	18.0	50.8	Rit Chret SD	TBD	Waterc Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
112	7-Jun-08	02:27:24.8	Sporadic	78.5 W	22.8 N	Struve	4	0.15	wax	17.0	35.5	Rit Chret WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
113	7-Jun-08	03:31:31.5	Sporadic	11.8 W	3.4 N	Gambart C	1	0.15	wax	6.0	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
113	7-Jun-08	03:31:31.5	Sporadic	11.8 W	3.4 N	Gambart C	1	0.15	wax	5.1	35.5	Rit Chret WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
114	9-Jun-08	03:21:01.0	Sporadic	40.3 W	35.4 S	Lacus Excellentiae	3	0.34	wax	22.0	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
115	27-Jun-08	09:31:24.5	Sporadic?	78.1 E	0.3 N	Jenkins	2	0.40	wan	43.5	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Diekmann
115	27-Jun-08	09:31:24.5	Sporadic?	78.1 E	0.3 N	Jenkins	1	0.40	wan	43.5	50.8	Rit Chret SD	TBD	Waterc Ult H2	Sony GV-D800	MSFC ALAMO	Swift
115	27-Jun-08	09:31:24.5	Sporadic?	78.1 E	0.3 N	Jenkins	2	0.40	wan	44.4	35.5	Rit Chret WC	94	StellaCam EX	Sony GV-D800	WC, GA	Swift and Diekmann
126	28-Jul-08	07:22:09.6	Shower?	58.0 E	16.8 N	Mare Crisium	2	0.22	wan	8.8	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
126	28-Jul-08	07:22:09.6	Shower?	58.0 E	16.8 N	Mare Crisium	2	0.22	wan	9.9	35.5	Rit Chret WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
127	28-Jul-08	08:35:37.0	Shower?	72.7 E	1.8 N	Schubert N	1	0.21	wan	22.1	35.5	Rit Chret T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
127	28-Jul-08	08:35:37.0	Shower?	72.7 E	1.8 N	Schubert N	1	0.21	wan	22.1	50.8	Rit Chret SD	TBD	Waterc Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
127	28-Jul-08	08:35:37.0	Shower?	72.7 E	1.8 N	Schubert N	1	0.21	wan	23.2	35.5	Rit Chret WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
128	28-Jul-08	08:47:07.4	Shower?														