NASA Marshall Space Flight Center (MSFC) - Automated Lunar and Meteor Observatory (ALaMO) - Candidate lunar impact observation database
NASA Meteoroid Environment Office (MEO)
Last Updated: 3-Dec-2015
By: D. Moser

PRELIMINARY

MEO 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
1	7-Nov-05	23:40:53.0	Taurid	39.5 W	31.9 N	Gruithuisen	5	0.38	wax	28.9	25.4	Newtonian T	119	StellaCam EX	Sony GV-D800	MSFC 4487	Suggs and Swift
2	2-May-06	02:34:39.0	Unk	19.6 W	24.3 S	Bullialdus	14	0.21	wax	26.5	25.4	Newtonian T	119	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser and McNamara
3	4-Jun-06	04:48:35.4	Unk	35.8 W	11.8 S	Rima Herigonius	1.5	0.52	wax	19.1	25.4	Newtonian T	119	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift, Hollon, & Altstatt
105	21-Jun-06	08:35:45.0	Unk	22.7 E	2.1 N	Central Mare Tranquillitatis	2	0.20	wan	15.6	25.4	Newtonian T	119	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser and McNamara
4	21-Jun-06	08:57:17.5	Unk	62.9 E	13.9 N	Mare Crisium	2.5	0.21	wan	19.9	25.4	Newtonian T	119	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser and McNamara
4	21-Jun-06	08:57:17.5	Unk	62.9 E	13.9 N	Mare Crisium	1.5	0.21	wan	19.9	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
5	19-Jul-06	10:14:44.0	Unk	56 E	22 N	Mare Crisium	1	0.32	wan	51.9	25.4	Newtonian T	119	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
5	19-Jul-06	10:14:44.0	Unk	56 E	22 N	Mare Crisium	2	0.32	wan	51.9	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser
6	3-Aug-06	01:43:19.1	Shower?	38 W	26 N	Aristarchus	3.5	0.57	wax	28.2	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser and Altstatt
7	3-Aug-06	01:46:11.2	Shower?	78 W	32 N	Ulugh Beigh B	1.5	0.57	wax	27.9	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser and Altstatt
106	3-Aug-06	02:20:33.0	Shower?	48 W	33 N	Wollaston D	1	0.57	wax	24.1	25.4	Newtonian T	119	StellaCam EX	Sony GV-D800	MSFC ALAMO	Altstatt
106	3-Aug-06	02:20:33.0	Shower?	48 W	33 N	Wollaston D	1	0.57	wax	24.1	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser
107	3-Aug-06	02:40:31.6	Shower?	39 W	6 S	Wichmann R	4	0.57	wax	21.7	25.4	Newtonian T	119	StellaCam EX	Sony GV-D800	MSFC ALAMO	Altstatt
107	3-Aug-06	02:40:31.6	Shower?	39 W	6 S	Wichmann R	4	0.57	wax	21.7	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser
108	3-Aug-06	03:17:10.2	Shower?	78 W	5 N	Hedin A	2	0.57	wax	16.4	25.4	Newtonian T	119	StellaCam EX	Sony GV-D800	MSFC ALAMO	Altstatt
108	3-Aug-06	03:17:10.2	Shower?	78 W	5 N	Hedin A	2	0.57	wax	16.4	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser
8	4-Aug-06	02:24:57.0	Shower?	62 W	37 N	Naumann	3	0.67	wax	25.4	25.4	Newtonian T	119	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
8	4-Aug-06	02:24:57.0	Shower?	62 W	37 N	Naumann	2	0.67	wax	25.4	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Hollon
9	4-Aug-06	02:50:14.0	Shower?	33 W	22 S	Mare Humorum	2	0.67	wax	23.1	25.4	Newtonian T	119	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
9	4-Aug-06	02:50:14.0	Shower?	33 W	22 S	Mare Humorum	2	0.67	wax	23.1	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Hollon
10	16-Sep-06	09:52:53.0	Unk	57 E	32 S	Vallis Snellius	1	0.30	wan	44.9	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser
10	16-Sep-06	09:52:53.0	Unk	57 E	32 S	Vallis Snellius	1	0.30	wan	44.9	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
109	17-Sep-06	10:16:11.2	Unk	28.3 E	31.6 N	Posidonius	2	0.21	wan	38.2	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift and Suggsrj
110	28-Sep-06	00:42:57.0	Unk	30.8 W	0.5 S	Lansberg A	1	0.26	wax	13.3	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Smith
110	28-Sep-06	00:42:57.0	Unk	30.8 W	0.5 S	Lansberg A	1	0.26	wax	13.3	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Altstatt
58	29-Oct-06	01:18:43.0	Unk	45.7 W	1.7 N	Suess F	1	0.41	wax	21.2	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Altstatt
58	29-Oct-06	01:18:43.0	Unk	45.7 W	1.7 N	Suess F	2	0.41	wax	21.2	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser
59	29-Oct-06	02:00:15.3	Unk	18.5 W	11.0 S	Mare Cognitum	2	0.41	wax	16.7	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser and Altstatt
111	30-Oct-06	00:13:48.0	Unk	54.0 W	7.8 N	Reiner	1	0.51	wax	32.5	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Smith
111	30-Oct-06	00:13:48.0	Unk	54.0 W	7.8 N	Reiner	1	0.51	wax	32.5	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Altstatt
13	30-Oct-06	00:24:27.0	Unk	39.5 W	27.5 S	Mare Humorum	1	0.51	wax	32.3	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Smith
13	30-Oct-06	00:24:27.0	Unk	39.5 W	27.5 S	Mare Humorum	1.5	0.51	wax	32.3	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Altstatt
21	13-Nov-06	11:03:14.0	Unk	90.0 E	24.2 S	Curie	2	0.43	wan	62.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
21	13-Nov-06	11:03:14.0	Unk	90.0 E	24.2 S	Curie	3	0.43	wan	62.0	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Cooke
22	14-Nov-06	08:26:39.0	Unk	21.4 E	16.8 S	Catharina D	2	0.34	wan	22.3	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	McNamara
22	14-Nov-06	08:26:39.0	Unk	21.4 E	16.8 S	Catharina D	2	0.34	wan	22.3	35.5	Schm Cass 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	16.2	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser and Coffey
12	17-Nov-06	10:46:27.0	Leonid	76.7 E	42.6 N	Zeno X	1	0.11	wan	16.2	35.5	Schm Cass 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	18.1	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser and Coffey
11	17-Nov-06	10:56:34.0	Leonid	80.3 E	36.1 N	Gauss	2	0.11	wan	18.1	35.5	Schm Cass 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	19.1	35.5	Schm Cass 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	19.1	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
24	17-Nov-06	11:09:11.0	Leonid	66.8 E	10.0 S	Barkla	1	0.11	wan	20.3	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser and Coffey
24	17-Nov-06	11:09:11.0	Leonid	66.8 E	10.0 S	Barkla	1	0.11	wan	20.3	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
25	24-Nov-06	23:24:04.0	Unk	86.8 W	5.5 N	Hedin C	1	0.17	wax	19.9	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Altstatt
25	24-Nov-06	23:24:04.0	Unk	86.8 W	5.5 N	Hedin C	2	0.17	wax	19.9	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
26	24-Nov-06	23:58:13.0	Unk	28.7 W	37.8 S	Lacus Timoris	2	0.17	wax	15.9	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Altstatt
26	24-Nov-06	23:58:13.0	Unk	28.7 W	37.8 S	Lacus Timoris	1	0.17	wax	15.9	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
27	25-Nov-06	00:55:54.0	Unk	80.8 W	1.3 N	Hedin Z	1	0.17	wax	8.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Altstatt
27	25-Nov-06	00:55:54.0	Unk	80.8 W	1.3 N	Hedin Z	1	0.17	wax	8.0	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
28	26-Nov-06	00:59:16.0	Shower?	21.2 W	41.3 N	Mare Imbrium	2	0.26	wax	18.1	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
28	26-Nov-06	00:59:16.0	Shower?	21.2 W	41.3 N	Mare Imbrium	2	0.26	wax	18.1	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Altstatt
29	26-Nov-06	01:28:43.0	Shower?	32 W	18.2 N	Natasha	1	0.26	wax	14.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
29	26-Nov-06	01:28:43.0	Shower?	32 W	18.2 N	Natasha	1	0.26	wax	14.0	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Altstatt
30	26-Nov-06	01:30:29.0	Shower?	32.5 W	28.3 N	Rima Diophantus	1	0.26	wax	13.7	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
30	26-Nov-06	01:30:29.0	Shower?	32.5 W	28.3 N	Rima Diophantus	1	0.26	wax	13.7	35.5	Schm Cass 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	11.9	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
14	14-Dec-06	08:12:40.0	Geminid	33.7 E	46.5 N	Lacus Somniorum	1	0.33	wan	11.9	35.5	Schm Cass 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~~	~~Schm Cass T~~	~~94~~	~~StellaCam EX~~	~~Sony GV-D800~~	~~MSFC ALAMO~~	~~Suggs~~
~~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~~	~~Schm Cass 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	Schm Cass 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	Schm Cass 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	Dubyago B	1	0.33	wan	15.6	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
118	14-Dec-06	08:32:06.6	Geminid	70.6 E	2.4 N	Dubyago B	1	0.33	wan	15.6	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
119	14-Dec-06	08:32:52.0	Geminid	65.8 E	7.3 N	Mare Undarum	1	0.33	wan	15.7	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
119	14-Dec-06	08:32:52.0	Geminid	65.8 E	7.3 N	Mare Undarum	1	0.33	wan	15.7	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
120	14-Dec-06	08:39:57.2	Geminid	74.0 E	23.0 S	Phillips B	1	0.33	wan	17.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
120	14-Dec-06	08:39:57.2	Geminid	74.0 E	23.0 S	Phillips B	1	0.33	wan	17.0	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
121	14-Dec-06	08:46:02.0	Geminid	79.9 E	14.3 N	Hansen B	1	0.33	wan	18.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
121	14-Dec-06	08:46:02.0	Geminid	79.9 E	14.3 N	Hansen B	1	0.33	wan	18.0	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
15	14-Dec-06	08:50:36.1	Geminid	46.4 E	12.3 N	Palus Somni	1	0.33	wan	18.9	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
15	14-Dec-06	08:50:36.1	Geminid	46.4 E	12.3 N	Palus Somni	1	0.33	wan	18.9	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
122	14-Dec-06	08:51:20.6	Geminid	51.4 E	11.0 S	Mare Fecunditatis	1	0.33	wan	19.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
122	14-Dec-06	08:51:20.6	Geminid	51.4 E	11.0 S	Mare Fecunditatis	1	0.33	wan	19.0	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
16	14-Dec-06	08:56:43.0	Geminid	84.0 E	5.3 S	Mare Smythii	1	0.33	wan	20.1	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
16	14-Dec-06	08:56:43.0	Geminid	84.0 E	5.3 S	Mare Smythii	1	0.33	wan	20.1	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
17	14-Dec-06	09:00:22.1	Geminid	39.2 E	40.0 N	Maury P	2	0.33	wan	20.8	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
17	14-Dec-06	09:00:22.1	Geminid	39.2 E	40.0 N	Maury P	1	0.33	wan	20.8	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
18	14-Dec-06	09:03:33.0	Geminid	61.2 E	22.2 N	Mare Crisium	1	0.33	wan	21.4	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
18	14-Dec-06	09:03:33.0	Geminid	61.2 E	22.2 N	Mare Crisium	1	0.33	wan	21.4	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
123	14-Dec-06	10:11:07.3	Geminid	40.6 E	8.4 S	Gutenberg	2	0.33	wan	32.8	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
123	14-Dec-06	10:11:07.3	Geminid	40.6 E	8.4 S	Gutenberg	2	0.33	wan	32.8	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
124	14-Dec-06	10:28:51.1	Geminid	83.5 E	36.0 N	Gauss	1	0.33	wan	35.4	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
124	14-Dec-06	10:28:51.1	Geminid	83.5 E	36.0 N	Gauss	2	0.33	wan	35.4	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
19	14-Dec-06	10:56:41.8	Geminid	71.6 E	7.6 N	Mare Undarum	1	0.33	wan	39.3	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
19	14-Dec-06	10:56:41.8	Geminid	71.6 E	7.6 N	Mare Undarum	1	0.33	wan	39.3	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
125	14-Dec-06	11:21:22.6	Geminid	49.0 E	6.0 S	Mare Fecunditatis	1	0.33	wan	42.2	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
125	14-Dec-06	11:21:22.6	Geminid	49.0 E	6.0 S	Mare Fecunditatis	1	0.33	wan	42.2	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
20	14-Dec-06	11:28:08.4	Geminid	28.2 E	9.4 S	Theophilus	2	0.32	wan	42.9	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
20	14-Dec-06	11:28:08.4	Geminid	28.2 E	9.4 S	Theophilus	2	0.32	wan	42.9	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
31	15-Dec-06	09:15:14.0	Geminid	84.8 E	37.3 N	Beals	1	0.24	wan	12.7	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser
31	15-Dec-06	09:15:14.0	Geminid	84.8 E	37.3 N	Beals	1	0.24	wan	12.7	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
32	15-Dec-06	09:17:39.0	Geminid	60.2 E	26.6 N	Delmotte	1	0.24	wan	13.1	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser
32	15-Dec-06	09:17:39.0	Geminid	60.2 E	26.6 N	Delmotte	1	0.24	wan	13.1	35.5	Schm Cass 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	19.3	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Moser
~~34~~	~~16-Dec-06~~	~~09:50:10~~	~~Geminid~~	~~25.6 E~~	~~10.8 S~~	~~Theophilus~~	~~1~~	~~0.17~~	~~wan~~	~~7.9~~	~~35.5~~	~~Schm Cass T~~	~~94~~	~~StellaCam EX~~	~~Sony GV-D800~~	~~MSFC ALAMO~~	~~Moser and Coffey~~

35	24-Dec-06	00:27:42.0	Unk	60.6 W	17.8 S	De Vico T	1	0.13	wax	14.9	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Altstatt
35	24-Dec-06	00:27:42.0	Unk	60.6 W	17.8 S	De Vico T	2	0.13	wax	14.9	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
36	23-Feb-07	00:11:36.0	Unk	9.6 W	8.7 S	Palisa T	2	0.35	wax	63.1	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
37	23-Feb-07	00:47:44.5	Unk	12.8 W	6.8 S	Parry C	1	0.35	wax	56.4	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
37	23-Feb-07	00:47:44.5	Unk	12.8 W	6.8 S	Parry C	2	0.35	wax	56.4	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
38	23-Feb-07	04:02:43.6	Unk	33.9 W	21.0 N	Brayley F	1	0.36	wax	18.2	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
38	23-Feb-07	04:02:43.6	Unk	33.9 W	21.0 N	Brayley F	1	0.36	wax	18.2	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
39	25-Mar-07	00:59:10.2	Unk	15.0 W	25.0 N	Heinrich	2	0.42	wax	66.8	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
39	25-Mar-07	00:59:10.2	Unk	15.0 W	25.0 N	Heinrich	2	0.42	wax	66.8	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
40	13-Apr-07	10:38:03.9	Unk	79 E	16.5 S	Behaim	3	0.22	wan	17.1	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
40	13-Apr-07	10:38:03.9	Unk	79 E	16.5 S	Behaim	3	0.22	wan	17.1	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
41	20-Apr-07	01:40:03.8	Unk	79.0 W	23.0 N	Struve	2	0.09	wax	19.2	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	McNamara and Smith
42	22-Apr-07	01:15:05.1	Lyrid	19.8 W	31.5 S	Weiss	1	0.27	wax	49.1	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
42	22-Apr-07	01:15:05.1	Lyrid	19.8 W	31.5 S	Weiss	2	0.27	wax	49.1	35.5	Schm Cass 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 Cognitum	2	0.27	wax	49.0	35.5	Schm Cass 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 Cognitum	1	0.27	wax	49.0	35.5	Schm Cass 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	44.6	35.5	Schm Cass 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	44.6	35.5	Schm Cass 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	0.27	wax	26.0	35.5	Schm Cass 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	0.27	wax	26.0	35.5	Schm Cass 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	0.27	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	18.6	35.5	Schm Cass 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	18.6	35.5	Schm Cass 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	13.2	35.5	Schm Cass 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	13.2	35.5	Schm Cass 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	0.28	wax	9.5	35.5	Schm Cass 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	60.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
49	23-Apr-07	01:15:54.6	Lyrid	48.2 W	6.8 N	Central Oceanus Procellarum	1	0.37	wax	60.0	35.5	Schm Cass 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	46.5	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
50	23-Apr-07	02:23:21.4	Lyrid	18.6 W	5.0 N	Copernicus	2	0.37	wax	46.5	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
51	23-Apr-07	03:01:10.3	Unk	70.0 W	24.4 S	Byrgius	1	0.38	wax	38.9	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
51	23-Apr-07	03:01:10.3	Unk	70.0 W	24.4 S	Byrgius	1	0.38	wax	38.9	35.5	Schm Cass 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	0.38	wax	25.7	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
52	23-Apr-07	04:08:48.8	Lyrid	27.5 W	26.2 N	S. Mare Imbrium	2	0.38	wax	25.7	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
193	23-Apr-07	04:38:22.0	Lyrid	39.5 W	12.0 N	Kepler	1	0.38	wax	20.1	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
193	23-Apr-07	04:38:22.0	Lyrid	39.5 W	12.0 N	Kepler	1	0.38	wax	20.1	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
194	23-Apr-07	04:40:45.0	Lyrid	38.0 W	11.0 S	Dorsa Ewing	1	0.38	wax	19.6	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
194	23-Apr-07	04:40:45.0	Lyrid	38.0 W	11.0 S	Dorsa Ewing	1	0.38	wax	19.6	35.5	Schm Cass 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	Euclides	3	0.38	wax	19.2	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
53	23-Apr-07	04:42:34.8	Lyrid	28.2 W	10.2 S	Euclides	2	0.38	wax	19.2	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
54	23-Apr-07	04:59:57.6	Lyrid	60.0 W	30.0 N	Aristarchus	2	0.38	wax	15.8	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
54	23-Apr-07	04:59:57.6	Lyrid	60.0 W	30.0 N	Aristarchus	1	0.38	wax	15.8	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
55	21-May-07	02:50:53.0	Unk	26.4 W	0.0 N	Lansberg	2	0.23	wax	25.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
55	21-May-07	02:50:53.0	Unk	26.4 W	0.0 N	Lansberg	2	0.23	wax	25.0	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
56	21-May-07	03:10:07.0	Unk	68.3 W	7.3 N	Cavalerius	1	0.23	wax	21.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
56	21-May-07	03:10:07.0	Unk	68.3 W	7.3 N	Cavalerius	1	0.23	wax	21.0	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
57	22-May-07	03:10:25.0	Unk	45.8 W	38.6 N	Rima Mairan	2	0.32	wax	29.2	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift and Coffey
60	8-Aug-07	08:03:10.0	Shower?	70.5 E	24.0 N	Eimmart	1	0.23	wan	18.1	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
60	8-Aug-07	08:03:10.0	Shower?	70.5 E	24.0 N	Eimmart	1	0.23	wan	18.1	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
61	8-Aug-07	09:01:17.0	Shower?	60.6 E	13.3 N	S. Mare Crisium	2	0.23	wan	29.1	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
61	8-Aug-07	09:01:17.0	Shower?	60.6 E	13.3 N	S. Mare Crisium	1	0.23	wan	29.1	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
62	8-Aug-07	09:44:16.7	Shower?	82.2 E	5.0 N	Knox-Shaw	1	0.22	wan	37.5	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
62	8-Aug-07	09:44:16.7	Shower?	82.2 E	5.0 N	Knox-Shaw	1	0.22	wan	37.5	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
63	9-Aug-07	09:10:49.8	Unk	48.7 E	10.4 N	Lick N	3	0.14	wan	19.5	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Coffey
63	9-Aug-07	09:10:49.8	Unk	48.7 E	10.4 N	Lick N	2	0.14	wan	19.5	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
64	21-Aug-07	02:52:44.8	Unk	80 W	30 S	Krasnov	2	0.51	wax	13.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Coffey
64	21-Aug-07	02:52:44.8	Unk	80 W	30 S	Krasnov	2	0.51	wax	13.0	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
65	19-Sep-07	02:36:10.2	Unk	50.0 W	0.0 N	Central Oceanus Procellarum	2	0.44	wax	9.2	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
65	19-Sep-07	02:36:10.2	Unk	50.0 W	0.0 N	Central Oceanus Procellarum	1	0.44	wax	9.2	35.5	Schm Cass SD	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
65	19-Sep-07	02:36:10.2	Unk	50.0 W	0.0 N	Central Oceanus Procellarum	1	0.44	wax	8.3	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
66	6-Oct-07	08:42:52.0	Unk	75.6 E	24.3 N	Plutarch D	1	0.20	wan	14.6	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
66	6-Oct-07	08:42:52.0	Unk	75.6 E	24.3 N	Plutarch D	1	0.20	wan	14.6	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
66	6-Oct-07	08:42:52.0	Unk	75.6 E	24.3 N	Plutarch D	1	0.20	wan	15.6	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggsrj
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	Schm Cass 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	Schm Cass SD	94	Watec Ult H2	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	Schm Cass 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	Rimae Grimaldi	2	0.58	wax	9.9	35.5	Schm Cass 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	Rimae Grimaldi	1	0.58	wax	9.9	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
69	5-Nov-07	09:20:47.9	Shower	49.2 E	2.3 S	E. Mare Fecunditatis	2	0.17	wan	12.3	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
69	5-Nov-07	09:20:47.9	Shower	49.2 E	2.3 S	E. Mare Fecunditatis	1	0.17	wan	12.3	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
69	5-Nov-07	09:20:47.9	Shower	49.2 E	2.3 S	E. Mare Fecunditatis	2	0.17	wan	13.4	35.5	Schm Cass 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	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
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	Schm Cass 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	24.5	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
71	16-Nov-07	00:27:08.9	Leonid	58.2 W	32.5 N	Dorsa Whiston	3	0.30	wax	24.5	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Swift
72	17-Nov-07	02:06:01.2	Leonid	76.6 W	23.0 N	Struve	2	0.41	wax	22.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
72	17-Nov-07	02:06:01.2	Leonid	76.6 W	23.0 N	Struve	1	0.41	wax	22.0	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
72	17-Nov-07	02:06:01.2	Leonid	76.6 W	23.0 N	Struve	1	0.41	wax	21.1	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
73	17-Nov-07	03:11:38.5	Leonid	32.8 W	19.2 S	E. Mare Humorum	2	0.41	wax	11.8	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
73	17-Nov-07	03:11:38.5	Leonid	32.8 W	19.2 S	E. Mare Humorum	2	0.41	wax	11.8	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
73	17-Nov-07	03:11:38.5	Leonid	32.8 W	19.2 S	E. Mare Humorum	1	0.41	wax	10.8	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
74	17-Nov-07	03:53:16.0	Leonid	35.0 W	35.7 S	Lepaute E	2	0.41	wax	4.8	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
74	17-Nov-07	03:53:16.0	Leonid	35.0 W	35.7 S	Lepaute E	2	0.41	wax	3.8	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
75	16-Dec-07	23:47:03.4	Geminid	24.0 W	29.0 N	Dorsum Zirkel	1	0.45	wax	51.6	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
75	16-Dec-07	23:47:03.4	Geminid	24.0 W	29.0 N	Dorsum Zirkel	1	0.45	wax	51.2	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
76	17-Dec-07	00:43:08.9	Geminid	51.0 W	9.2 S	Hansteen E	1	0.45	wax	47.8	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
76	17-Dec-07	00:43:08.9	Geminid	51.0 W	9.2 S	Hansteen E	1	0.45	wax	47.8	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
76	17-Dec-07	00:43:08.9	Geminid	51.0 W	9.2 S	Hansteen E	1	0.45	wax	47.1	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
77	17-Dec-07	04:04:46.1	Geminid	51.3 W	17.9 N	Marius P	1	0.46	wax	15.8	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
77	17-Dec-07	04:04:46.1	Geminid	51.3 W	17.9 N	Marius P	1	0.46	wax	15.8	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
77	17-Dec-07	04:04:46.1	Geminid	51.3 W	17.9 N	Marius P	1	0.46	wax	14.6	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
78	18-Dec-07	00:32:08.9	Shower	40.1 W	36.0 S	Clausius B	1	0.56	wax	58.2	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Coffey
78	18-Dec-07	00:32:08.9	Shower	40.1 W	36.0 S	Clausius B	1	0.56	wax	58.2	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
79	18-Dec-07	01:08:41.7	Shower	47.8 W	25.9 N	Vaisala	1	0.57	wax	56.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Coffey
79	18-Dec-07	01:08:41.7	Shower	47.8 W	25.9 N	Vaisala	1	0.57	wax	56.0	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
79	18-Dec-07	01:08:41.7	Shower	47.8 W	25.9 N	Vaisala	1	0.57	wax	55.3	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Coffey and Suggs
79	18-Dec-07	01:08:41.7	Shower	47.8 W	25.9 N	Vaisala	1	0.57	wax	47.1	20.3	Newtonian	81	StellaCam II	Sony GV-D800	Mt Airy, MD	Varros
80	18-Dec-07	01:32:19.3	Shower	86.1 W	18.3 S	Kopff C	1	0.57	wax	53.6	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Coffey
80	18-Dec-07	01:32:19.3	Shower	86.1 W	18.3 S	Kopff C	1	0.57	wax	53.6	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
80	18-Dec-07	01:32:19.3	Shower	86.1 W	18.3 S	Kopff C	2	0.57	wax	52.8	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Coffey and Suggs
81	18-Dec-07	01:56:40.7	Shower	56.3 W	29.2 S	Vieta	1	0.57	wax	50.4	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Coffey
81	18-Dec-07	01:56:40.7	Shower	56.3 W	29.2 S	Vieta	1	0.57	wax	50.4	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
81	18-Dec-07	01:56:40.7	Shower	56.3 W	29.2 S	Vieta	1	0.57	wax	49.4	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Coffey and Suggs
82	1-Jan-08	07:43:39.0	Unk	79.0 E	24.1 N	Plutarch	1	0.40	wan	9.3	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
82	1-Jan-08	07:43:39.0	Unk	79.0 E	24.1 N	Plutarch	1	0.40	wan	9.3	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
82	1-Jan-08	07:43:39.0	Unk	79.0 E	24.1 N	Plutarch	1	0.40	wan	10.2	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs

83	2-Jan-08	08:33:13.0	Unk	42.4 E	33.0 S	Neander H	2	0.31	wan	7.5	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
83	2-Jan-08	08:33:13.0	Unk	42.4 E	33.0 S	Neander H	1	0.31	wan	7.5	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
84	3-Jan-08	10:25:37.8	Quadrantid	89.3 E	26.3 N	Liapunov	1	0.22	wan	15.5	35.5	Schm Cass 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	15.5	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
85	4-Jan-08	10:58:26.2	Quadrantid	38.0 E	39.9 N	Maury P	2	0.14	wan	11.1	35.5	Schm Cass 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	11.1	35.5	Schm Cass SD	94	Watec 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	11.7	35.5	Schm Cass 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	Gauss C	10	0.14	wan	17.0	35.5	Schm Cass 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	Gauss C	12	0.14	wan	17.0	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Swift
86	4-Jan-08	11:42:38.7	Quadrantid	72.0 E	39.6 N	Gauss C	10	0.14	wan	17.6	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Swift and Suggs
87	4-Jan-08	11:48:36.4	Quadrantid	64.0 E	34.0 N	Berosus F	2	0.14	wan	17.8	35.5	Schm Cass 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	17.8	35.5	Schm Cass SD	94	Watec 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	18.3	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Swift and Suggs
88	14-Jan-08	00:22:26.0	Unk	49.0 W	24.4 S	Liebig	1	0.30	wax	45.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
88	14-Jan-08	00:22:26.0	Unk	49.0 W	24.4 S	Liebig	1	0.30	wax	45.0	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Diekmann
88	14-Jan-08	00:22:26.0	Unk	49.0 W	24.4 S	Liebig	1	0.30	wax	43.9	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs and Diekmann
89	15-Jan-08	02:19:55.6	Unk	37.0 W	1.0 N	Encke C	1	0.41	wax	37.1	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Coffey
89	15-Jan-08	02:19:55.6	Unk	37.0 W	1.0 N	Encke C	2	0.41	wax	37.1	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
89	15-Jan-08	02:19:55.6	Unk	37.0 W	1.0 N	Encke C	1	0.41	wax	36.0	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Coffey and Suggsrj
90	15-Jan-08	02:57:06.5	Unk	75.5 W	33.0 S	Lagrange N	1	0.42	wax	30	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Coffey
90	15-Jan-08	02:57:06.5	Unk	75.5 W	33.0 S	Lagrange N	1	0.42	wax	30	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
90	15-Jan-08	02:57:06.5	Unk	75.5 W	33.0 S	Lagrange N	1	0.42	wax	28.8	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Coffey and Suggsrj
91	15-Jan-08	04:05:07.9	Unk	67.0 W	10.3 S	Rocca W	1	0.42	wax	16.6	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Coffey
91	15-Jan-08	04:05:07.9	Unk	67.0 W	10.3 S	Rocca W	1	0.42	wax	15.5	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Coffey and Suggsrj
92	11-Feb-08	01:09:26.9	Unk	27.2 W	17.8 S	Lubiniezky E	2	0.17	wax	26.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
92	11-Feb-08	01:09:26.9	Unk	27.2 W	17.8 S	Lubiniezky E	2	0.17	wax	26.0	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Diekmann
92	11-Feb-08	01:09:26.9	Unk	27.2 W	17.8 S	Lubiniezky E	1	0.17	wax	24.9	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs and Diekmann
93	12-Feb-08	00:24:44.4	Unk	76.5 W	12.0 S	Rocca	1	0.26	wax	47.8	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	McNamara
93	12-Feb-08	00:24:44.4	Unk	76.5 W	12.0 S	Rocca	3	0.26	wax	47.8	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
93	12-Feb-08	00:24:44.4	Unk	76.5 W	12.0 S	Rocca	1	0.26	wax	46.6	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	McNamara and Suggs
94	14-Feb-08	03:15:30.5	Unk	85.2 W	29.4 S	Krasnov	2	0.49	wax	40.7	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
94	14-Feb-08	03:15:30.5	Unk	85.2 W	29.4 S	Krasnov	1	0.49	wax	40.7	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
95	14-Feb-08	05:15:03.1	Unk	75.4 W	26.5 N	Russell	2	0.50	wax	17.7	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
95	14-Feb-08	05:15:03.1	Unk	75.4 W	26.5 N	Russell	2	0.50	wax	17.7	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
96	12-Mar-08	00:40:42.4	Shower?	23.2 W	24.8 S	Kies	11	0.23	wax	46.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
96	12-Mar-08	00:40:42.4	Shower?	23.2 W	24.8 S	Kies	13	0.23	wax	46.0	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
96	12-Mar-08	00:40:42.4	Shower?	23.2 W	24.8 S	Kies	10	0.23	wax	44.8	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
97	12-Mar-08	01:13:31.9	Shower?	49.5 W	7.0 S	Flamsteed J	1	0.23	wax	39.5	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
97	12-Mar-08	01:13:31.9	Shower?	49.5 W	7.0 S	Flamsteed J	3	0.23	wax	39.5	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
97	12-Mar-08	01:13:31.9	Shower?	49.5 W	7.0 S	Flamsteed J	1	0.23	wax	38.4	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
98	12-Mar-08	02:03:07.0	Shower?	56.4 W	6.4 S	Sirsalis E	2	0.24	wax	29.7	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
98	12-Mar-08	02:03:07.0	Shower?	56.4 W	6.4 S	Sirsalis E	2	0.24	wax	29.7	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
98	12-Mar-08	02:03:07.0	Shower?	56.4 W	6.4 S	Sirsalis E	1	0.24	wax	28.6	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
99	13-Mar-08	01:38:48.5	Shower?	48.0 W	2.5 S	Flamsteed X	1	0.34	wax	48.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
99	13-Mar-08	01:38:48.5	Shower?	48.0 W	2.5 S	Flamsteed X	1	0.34	wax	48.0	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
99	13-Mar-08	01:38:48.5	Shower?	48.0 W	2.5 S	Flamsteed X	1	0.34	wax	46.9	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggsrj
100	13-Mar-08	02:04:22.4	Shower?	77.0 W	23.0 S	Eischstadt	6	0.34	wax	42.8	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
100	13-Mar-08	02:04:22.4	Shower?	77.0 W	23.0 S	Eischstadt	7	0.34	wax	42.8	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
100	13-Mar-08	02:04:22.4	Shower?	77.0 W	23.0 S	Eischstadt	7	0.34	wax	41.7	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggsrj
100	13-Mar-08	02:04:22.4	Shower?	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	Varros
101	14-Mar-08	01:59:33.9	Shower?	30.0 W	6.4 N	Hortensius	1	0.46	wax	56.7	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
101	14-Mar-08	01:59:33.9	Shower?	30.0 W	6.4 N	Hortensius	1	0.46	wax	56.7	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
102	9-Apr-08	02:16:38.5	Unk	32.4 W	16.4 S	Herigonius G	2	0.12	wax	14.7	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
102	9-Apr-08	02:16:38.5	Unk	32.4 W	16.4 S	Herigonius G	2	0.12	wax	14.7	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
103	10-Apr-08	01:15:24.7	Unk	66.0 W	5.0 S	Grimaldi	2	0.20	wax	39.5	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Coffey
103	10-Apr-08	01:15:24.7	Unk	66.0 W	5.0 S	Grimaldi	2	0.20	wax	39.5	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	McNamara
104	9-May-08	02:57:02.4	Unk	18.2 W	31.3 S	Weiss B	1	0.18	wax	18.4	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Smith
104	9-May-08	02:57:02.4	Unk	18.2 W	31.3 S	Weiss B	1	0.18	wax	18.4	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
104	9-May-08	02:57:02.4	Unk	18.2 W	31.3 S	Weiss B	1	0.18	wax	17.4	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs and Smith
112	7-Jun-08	02:27:24.8	Unk	78.5 W	22.8 N	Struve	5	0.15	wax	18.2	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
112	7-Jun-08	02:27:24.8	Unk	78.5 W	22.8 N	Struve	1	0.15	wax	18.2	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
112	7-Jun-08	02:27:24.8	Unk	78.5 W	22.8 N	Struve	4	0.15	wax	17.1	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggsrj
113	7-Jun-08	03:31:31.5	Unk	11.8 W	3.4 N	Gambart C	1	0.15	wax	6.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
113	7-Jun-08	03:31:31.5	Unk	11.8 W	3.4 N	Gambart C	1	0.15	wax	5.0	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggsrj
114	9-Jun-08	03:21:01.0	Unk	40.3 W	35.4 S	Lacus Excellentiae	3	0.34	wax	22.2	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
115	27-Jun-08	09:31:24.5	Bootid	78.1 E	0.3 N	Jenkins	2	0.40	wan	44.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Diekmann
115	27-Jun-08	09:31:24.5	Bootid	78.1 E	0.3 N	Jenkins	1	0.40	wan	44.0	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Swift
115	27-Jun-08	09:31:24.5	Bootid	78.1 E	0.3 N	Jenkins	2	0.40	wan	45.0	35.5	Schm Cass 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	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
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	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggsrj
127	28-Jul-08	08:35:37.0	Shower?	72.7 E	1.8 N	Schubert N	1	0.21	wan	22.4	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
127	28-Jul-08	08:35:37.0	Shower?	72.7 E	1.8 N	Schubert N	1	0.21	wan	22.4	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
127	28-Jul-08	08:35:37.0	Shower?	72.7 E	1.8 N	Schubert N	1	0.21	wan	23.5	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggsrj
128	28-Jul-08	08:47:07.4	Shower?	24.4 E	27.8 N	NE Mare Serenitatis	2	0.21	wan	24.5	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
128	28-Jul-08	08:47:07.4	Shower?	24.4 E	27.8 N	NE Mare Serenitatis	2	0.21	wan	24.5	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
128	28-Jul-08	08:47:07.4	Shower?	24.4 E	27.8 N	NE Mare Serenitatis	1	0.21	wan	25.6	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggsrj
129	28-Jul-08	09:05:16.4	Shower?	70.0 E	2.6 N	Dubyago B	1	0.21	wan	28.2	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
129	28-Jul-08	09:05:16.4	Shower?	70.0 E	2.6 N	Dubyago B	1	0.21	wan	28.2	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
129	28-Jul-08	09:05:16.4	Shower?	70.0 E	2.6 N	Dubyago B	1	0.21	wan	29.3	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggsrj
130	29-Jul-08	09:43:10.8	Shower?	64.0 E	22.2 N	Eimmart H	2	0.12	wan	23.4	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs and Bowsher
130	29-Jul-08	09:43:10.8	Shower?	64.0 E	22.2 N	Eimmart H	2	0.12	wan	23.4	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs and Bowsher
130	29-Jul-08	09:43:10.8	Shower?	64.0 E	22.2 N	Eimmart H	1	0.12	wan	24.5	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs and Bowsher
131	29-Jul-08	10:11:45.4	Shower?	31.6 E	24.6 S	Fracastorius	2	0.12	wan	28.8	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs and Bowsher
131	29-Jul-08	10:11:45.4	Shower?	31.6 E	24.6 S	Fracastorius	2	0.12	wan	28.8	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs and Bowsher
132	23-Sep-08	10:14:32.7	Unk	77.0 E	3.0 N	Schubert F	1	0.36	wan	54.7	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
132	23-Sep-08	10:14:32.7	Unk	77.0 E	3.0 N	Schubert F	1	0.36	wan	54.7	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
133	24-Sep-08	08:46:40.7	Unk	65.0 E	25.0 S	Vallis Palitzsch	2	0.26	wan	24.2	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
133	24-Sep-08	08:46:40.7	Unk	65.0 E	25.0 S	Vallis Palitzsch	2	0.26	wan	24.2	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
133	24-Sep-08	08:46:40.7	Unk	65.0 E	25.0 S	Vallis Palitzsch	1	0.26	wan	25.3	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggsrj
134	6-Oct-08	01:35:21.8	Unk	46.0 W	19.0 N	Aristarchus S	2	0.37	wax	14.9	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
134	6-Oct-08	01:35:21.8	Unk	46.0 W	19.0 N	Aristarchus S	1	0.37	wax	14.9	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
134	6-Oct-08	01:35:21.8	Unk	46.0 W	19.0 N	Aristarchus S	1	0.37	wax	14.0	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggsrj
135	22-Oct-08	07:25:10.2	Orionid	71.0 E	15.0 S	Kapteyn B	2	0.40	wan	20.2	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
135	22-Oct-08	07:25:10.2	Orionid	71.0 E	15.0 S	Kapteyn B	2	0.40	wan	20.2	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
136	22-Oct-08	07:51:31.1	Orionid	94.0 E	19.5 N	Hubble C	2	0.40	wan	25.5	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
136	22-Oct-08	07:51:31.1	Orionid	94.0 E	19.5 N	Hubble C	1	0.40	wan	25.5	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
137	22-Oct-08	10:03:13.9	Orionid	75.0 E	33.0 N	Hahn	1	0.39	wan	51.3	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
137	22-Oct-08	10:03:13.9	Orionid	75.0 E	33.0 N	Hahn	1	0.39	wan	52.3	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
138	22-Oct-08	10:30:21.0	Orionid	79.0 E	5.5 N	Banachiewicz B	1	0.39	wan	56.4	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
138	22-Oct-08	10:30:21.0	Orionid	79.0 E	5.5 N	Banachiewicz B	1	0.39	wan	56.4	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
138	22-Oct-08	10:30:21.0	Orionid	79.0 E	5.5 N	Banachiewicz B	1	0.39	wan	57.3	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
139	2-Nov-08	23:48:40.0	Taurid	82.5 W	11.0 S	Lacus Autumni	2	0.21	wax	19.2	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
139	2-Nov-08	23:48:40.0	Taurid	82.5 W	11.0 S	Lacus Autumni	2	0.21	wax	19.2	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Swift
139	2-Nov-08	23:48:40.0	Taurid	82.5 W	11.0 S	Lacus Autumni	1	0.21	wax	18.4	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Swift
140	3-Nov-08	00:11:06.0	Taurid	70.5 W	12.5 N	Cardanus E	3	0.21	wax	16.4	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
140	3-Nov-08	00:11:06.0	Taurid	70.5 W	12.5 N	Cardanus E	2	0.21	wax	16.4	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Swift
140	3-Nov-08	00:11:06.0	Taurid	70.5 W	12.5 N	Cardanus E	2	0.21	wax	15.6	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Swift

141	3-Nov-08	00:16:34.1	Taurid	32.0 W	38.0 N	C Herschel C	2	0.21	wax	15.8	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
141	3-Nov-08	00:16:34.1	Taurid	32.0 W	38.0 N	C Herschel C	2	0.21	wax	14.9	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Swift
142	3-Nov-08	00:33:37.5	Taurid	41.5 W	16.0 S	Gassendi	1	0.21	wax	13.6	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
142	3-Nov-08	00:33:37.5	Taurid	41.5 W	16.0 S	Gassendi	1	0.21	wax	13.6	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Swift
142	3-Nov-08	00:33:37.5	Taurid	41.5 W	16.0 S	Gassendi	1	0.21	wax	12.7	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Swift
143	3-Nov-08	23:59:24.5	Taurid	65.0 W	5.0 S	Grimaldi	1	0.30	wax	24.9	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
143	3-Nov-08	23:59:24.5	Taurid	65.0 W	5.0 S	Grimaldi	2	0.30	wax	24.9	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
143	3-Nov-08	23:59:24.5	Taurid	65.0 W	5.0 S	Grimaldi	1	0.30	wax	24.2	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggsrj
144	4-Nov-08	00:04:06.1	Taurid	52.0 W	19.0 N	Rima Marius	2	0.30	wax	24.4	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
144	4-Nov-08	00:04:06.1	Taurid	52.0 W	19.0 N	Rima Marius	2	0.30	wax	24.4	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
144	4-Nov-08	00:04:06.1	Taurid	52.0 W	19.0 N	Rima Marius	2	0.30	wax	23.7	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggsrj
145	4-Nov-08	01:10:01.3	Taurid	21.5 W	24.5 S	Bullialdus B	2	0.30	wax	17.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
145	4-Nov-08	01:10:01.3	Taurid	21.5 W	24.5 S	Bullialdus B	2	0.30	wax	17.0	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
145	4-Nov-08	01:10:01.3	Taurid	21.5 W	24.5 S	Bullialdus B	1	0.30	wax	16.1	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggsrj
146	4-Nov-08	01:39:03.8	Taurid	62.0 W	1.5 S	Grimaldi C	2	0.30	wax	13.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
146	4-Nov-08	01:39:03.8	Taurid	62.0 W	1.5 S	Grimaldi C	2	0.30	wax	13.0	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
146	4-Nov-08	01:39:03.8	Taurid	62.0 W	1.5 S	Grimaldi C	2	0.30	wax	12.1	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggsrj
147	4-Nov-08	23:32:35.9	Taurid	19.0 W	4.0 S	Fra Mauro (Apollo 14 LM)	1	0.39	wax	32.5	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
147	4-Nov-08	23:32:35.9	Taurid	19.0 W	4.0 S	Fra Mauro (Apollo 14 LM)	2	0.39	wax	32.5	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
148	5-Nov-08	00:38:37.9	Taurid	66.5 W	17.0 S	Cruger	2	0.39	wax	28.5	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
148	5-Nov-08	00:38:37.9	Taurid	66.5 W	17.0 S	Cruger	2	0.39	wax	28.5	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
148	5-Nov-08	00:38:37.9	Taurid	66.5 W	17.0 S	Cruger	1	0.39	wax	27.8	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
149	5-Nov-08	00:53:58.0	Taurid	18.0 W	23.0 S	Wolf	2	0.39	wax	27.1	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
149	5-Nov-08	00:53:58.0	Taurid	18.0 W	23.0 S	Wolf	2	0.39	wax	27.1	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
149	5-Nov-08	00:53:58.0	Taurid	18.0 W	23.0 S	Wolf	1	0.39	wax	26.4	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
150	5-Nov-08	02:05:07.9	Taurid	65.0 W	30.0 N	Lichtenberg	3	0.39	wax	18.5	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
150	5-Nov-08	02:05:07.9	Taurid	65.0 W	30.0 N	Lichtenberg	3	0.39	wax	18.5	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
150	5-Nov-08	02:05:07.9	Taurid	65.0 W	30.0 N	Lichtenberg	2	0.39	wax	17.5	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
151	5-Nov-08	02:09:44.7	Taurid	43.0 W	35.0 S	Lacus Excellentiae	1	0.39	wax	17.9	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
151	5-Nov-08	02:09:44.7	Taurid	43.0 W	35.0 S	Lacus Excellentiae	2	0.39	wax	17.9	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
151	5-Nov-08	02:09:44.7	Taurid	43.0 W	35.0 S	Lacus Excellentiae	1	0.39	wax	16.9	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
152	5-Nov-08	02:32:47.2	Taurid	33.0 W	1.0 S	Kunowsky C	2	0.39	wax	14.4	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
152	5-Nov-08	02:32:47.2	Taurid	33.0 W	1.0 S	Kunowsky C	2	0.39	wax	14.4	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
152	5-Nov-08	02:32:47.2	Taurid	33.0 W	1.0 S	Kunowsky C	1	0.39	wax	13.4	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
153	20-Nov-08	11:03:05.8	Unk	52.0 E	5.0 S	Mare Fecunditatis	1	0.44	wan	58.1	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
153	20-Nov-08	11:03:05.8	Unk	52.0 E	5.0 S	Mare Fecunditatis	1	0.44	wan	58.1	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
154	22-Nov-08	09:41:24.5	Unk	84.0 E	1.5 N	Mare Smythii	2	0.24	wan	22.1	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
154	22-Nov-08	09:41:24.5	Unk	84.0 E	1.5 N	Mare Smythii	2	0.24	wan	22.1	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Swift
155	22-Nov-08	11:44:44.9	Unk	86.0 E	22.0 N	Hubble	1	0.24	wan	41.8	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
155	22-Nov-08	11:44:44.9	Unk	86.0 E	22.0 N	Hubble	1	0.24	wan	41.8	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Swift
156	23-Nov-08	10:48:24.3	Unk	86.0 E	1.0 S	Mare Smythii	1	0.16	wan	22.4	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
156	23-Nov-08	10:48:24.3	Unk	86.0 E	1.0 S	Mare Smythii	1	0.16	wan	22.4	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
156	23-Nov-08	10:48:24.3	Unk	86.0 E	1.0 S	Mare Smythii	1	0.16	wan	23.3	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
157	23-Nov-08	11:15:53.2	Unk	46.0 E	21.0 S	Santbech D	1	0.16	wan	26.9	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
157	23-Nov-08	11:15:53.2	Unk	46.0 E	21.0 S	Santbech D	1	0.16	wan	26.9	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
157	23-Nov-08	11:15:53.2	Unk	46.0 E	21.0 S	Santbech D	1	0.16	wan	27.6	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
158	3-Dec-08	00:30:57.6	Unk	63.0 W	18.0 S	De Vico A	1	0.23	wax	22.9	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
158	3-Dec-08	00:30:57.6	Unk	63.0 W	18.0 S	De Vico A	1	0.23	wax	22.9	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
158	3-Dec-08	00:30:57.6	Unk	63.0 W	18.0 S	De Vico A	1	0.23	wax	22.0	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
159	3-Dec-08	02:09:03.5	Unk	68.5 W	4.5 S	Grimaldi	1	0.23	wax	7.5	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
159	3-Dec-08	02:09:03.5	Unk	68.5 W	4.5 S	Grimaldi	1	0.23	wax	6.4	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
160	5-Dec-08	00:23:13.4	Unk	78.5 W	3.2 N	Hedin	1	0.41	wax	42.5	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
160	5-Dec-08	00:23:13.4	Unk	78.5 W	3.2 N	Hedin	1	0.41	wax	42.5	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Swift
161	5-Dec-08	01:29:40.4	Unk	75.0 W	2.0 N	Riccioli H	1	0.41	wax	35.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
161	5-Dec-08	01:29:40.4	Unk	75.0 W	2.0 N	Riccioli H	1	0.41	wax	35.0	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Swift
162	1-Feb-09	01:40:31.0	Unk	66.0 W	18.0 S	Cruger	1	0.29	wax	35.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
162	1-Feb-09	01:40:31.0	Unk	66.0 W	18.0 S	Cruger	1	0.29	wax	35.0	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Swift
162	1-Feb-09	01:40:31.0	Unk	66.0 W	18.0 S	Cruger	1	0.29	wax	33.8	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Swift
163	1-Feb-09	02:04:52.3	Unk	70.0 W	25.0 N	Briggs	1	0.30	wax	30.1	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
163	1-Feb-09	02:04:52.3	Unk	70.0 W	25.0 N	Briggs	2	0.30	wax	30.1	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Swift
163	1-Feb-09	02:04:52.3	Unk	70.0 W	25.0 N	Briggs	1	0.30	wax	28.9	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Swift
169	2-Feb-09	02:45:43.1	Unk	55.0 W	21.0 S	Henry Freres	1	0.40	wax	34.6	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
169	2-Feb-09	02:45:43.1	Unk	55.0 W	21.0 S	Henry Freres	1	0.40	wax	34.6	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
169	2-Feb-09	02:45:43.1	Unk	55.0 W	21.0 S	Henry Freres	1	0.40	wax	33.5	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
164	3-Mar-09	02:51:42.5	Shower?	35.0 W	32.5 S	Lepaute D	1	0.36	wax	33.7	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
164	3-Mar-09	02:51:42.5	Shower?	35.0 W	32.5 S	Lepaute D	1	0.36	wax	33.7	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
164	3-Mar-09	02:51:42.5	Shower?	35.0 W	32.5 S	Lepaute D	1	0.36	wax	32.6	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggsrj
165	3-Mar-09	04:02:49.3	Shower?	84.0 W	23.0 S	Struve H	2	0.36	wax	19.9	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
165	3-Mar-09	04:02:49.3	Shower?	84.0 W	23.0 S	Struve H	1	0.36	wax	19.9	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
165	3-Mar-09	04:02:49.3	Shower?	84.0 W	23.0 S	Struve H	1	0.36	wax	18.9	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggsrj
166	3-Mar-09	04:27:48.7	Shower?	73.0 W	9.0 N	Olbers A	1	0.37	wax	15.2	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
166	3-Mar-09	04:27:48.7	Shower?	73.0 W	9.0 N	Olbers A	2	0.37	wax	15.2	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
166	3-Mar-09	04:27:48.7	Shower?	73.0 W	9.0 N	Olbers A	1	0.37	wax	14.2	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggsrj
167	30-Mar-09	01:43:10.9	Unk	68.0 W	27.5 N	Briggs	1	0.13	wax	22.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
167	30-Mar-09	01:43:10.9	Unk	68.0 W	27.5 N	Briggs	1	0.13	wax	22.0	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
167	30-Mar-09	01:43:10.9	Unk	68.0 W	27.5 N	Briggs	1	0.13	wax	21.0	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
168	2-Apr-09	02:59:16.4	Unk	38.0 W	23.0 S	Mare Humorum	16	0.44	wax	44.1	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
168	2-Apr-09	02:59:16.4	Unk	38.0 W	23.0 S	Mare Humorum	8	0.44	wax	44.1	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
170	28-Apr-09	01:45:26.0	Unk	79.0 W	23.0 S	Eischstadt	3	0.11	wax	21.5	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
170	28-Apr-09	01:45:26.0	Unk	79.0 W	23.0 S	Eischstadt	2	0.11	wax	21.5	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
170	28-Apr-09	01:45:26.0	Unk	79.0 W	23.0 S	Eischstadt	1	0.11	wax	20.5	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggsrj
170	28-Apr-09	01:45:26.0	Unk	79.0 W	23.0 S	Eischstadt	2	0.11	wax	15.9	20.3	Newtonian	81	StellaCam II	Sony GV-D800	Mt Airy, MD	Varros
171	19-May-09	08:58:32.4	Unk	51.0 E	3.0 S	Mare Fecunditatis	1	0.30	wan	18.8	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
171	19-May-09	08:58:32.4	Unk	51.0 E	3.0 S	Mare Fecunditatis	1	0.30	wan	18.8	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
171	19-May-09	08:58:32.4	Unk	51.0 E	3.0 S	Mare Fecunditatis	1	0.30	wan	19.8	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggsrj
172	21-May-09	09:47:53.7	Unk	33.0 E	14.0 N	Central Mare Tranquillitatis	1	0.12	wan	17.2	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
172	21-May-09	09:47:53.7	Unk	33.0 E	14.0 N	Central Mare Tranquillitatis	2	0.12	wan	17.2	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
172	21-May-09	09:47:53.7	Unk	33.0 E	14.0 N	Central Mare Tranquillitatis	1	0.12	wan	18.3	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
173	30-May-09	03:52:11.3	Unk	15.0 W	11.0 N	Copernicus	2	0.39	wax	20.4	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
173	30-May-09	03:52:11.3	Unk	15.0 W	11.0 N	Copernicus	1	0.39	wax	20.4	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
173	30-May-09	03:52:11.3	Unk	15.0 W	11.0 N	Copernicus	1	0.39	wax	19.3	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
174	19-Jun-09	09:00:07.1	Unk	54.0 E	32.0 S	Stevinus	2	0.16	wan	17.7	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
174	19-Jun-09	09:00:07.1	Unk	54.0 E	32.0 S	Stevinus	2	0.16	wan	17.7	50.8	Rit Chret SD	TBD	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Swift
174	19-Jun-09	09:00:07.1	Unk	54.0 E	32.0 S	Stevinus	1	0.16	wan	18.9	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Swift
175	26-Jun-09	02:04:06.7	Bootid	56.0 W	16.0 N	Central Oceanus Procellarum	1	0.15	wax	17.4	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
175	26-Jun-09	02:04:06.7	Bootid	56.0 W	16.0 N	Central Oceanus Procellarum	1	0.15	wax	16.3	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggsrj
176	26-Aug-09	01:58:15.1	Unk	25.0 W	15.0 N	Montes Carpatus	3	0.36	wax	12.5	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
176	26-Aug-09	01:58:15.1	Unk	25.0 W	15.0 N	Montes Carpatus	3	0.36	wax	12.5	50.8	Rit Chret SD	TBD	SU640	Sony GV-D800	MSFC ALAMO	Suggs
176	26-Aug-09	01:58:15.1	Unk	25.0 W	15.0 N	Montes Carpatus	2	0.36	wax	11.5	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
177	24-Oct-09	23:57:35.7	Orionid	80.0 W	11.5 N	Vasco Da Gama P	1	0.40	wax	30.8	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
177	24-Oct-09	23:57:35.7	Orionid	80.0 W	11.5 N	Vasco Da Gama P	5	0.40	wax	30.8	50.8	Rit Chret SD	TBD	SU640	Sony GV-D800	MSFC ALAMO	Suggs
177	24-Oct-09	23:57:35.7	Orionid	80.0 W	11.5 N	Vasco Da Gama P	1	0.40	wax	30.3	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
178	25-Oct-09	00:14:24.0	Orionid	65.0 W	15.5 N	Galilaei S	2	0.40	wax	29.8	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
178	25-Oct-09	00:14:24.0	Orionid	65.0 W	15.5 N	Galilaei S	5	0.40	wax	29.8	50.8	Rit Chret SD	TBD	SU640	Sony GV-D800	MSFC ALAMO	Suggs
179	25-Oct-09	01:19:59.6	Orionid	60.0 W	24.5 S	Henry Freres C	2	0.41	wax	24.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
179	25-Oct-09	01:19:59.6	Orionid	60.0 W	24.5 S	Henry Freres C	10	0.41	wax	24.0	50.8	Rit Chret SD	TBD	SU640	Sony GV-D800	MSFC ALAMO	Suggs
179	25-Oct-09	01:19:59.6	Orionid	60.0 W	24.5 S	Henry Freres C	1	0.41	wax	23.1	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs

180	25-Oct-09	01:52:04.2	Orionid	70.0 W	18.0 N	Eddington	1	0.41	wax	20.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
180	25-Oct-09	01:52:04.2	Orionid	70.0 W	18.0 N	Eddington	2	0.41	wax	20.0	50.8	Rit Chret SD	TBD	SU640	Sony GV-D800	MSFC ALAMO	Suggs
180	25-Oct-09	01:52:04.2	Orionid	70.0 W	18.0 N	Eddington	1	0.41	wax	19.1	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
181	25-Oct-09	01:55:07.3	Orionid	38.5 W	24.0 S	Mare Humorum	1	0.41	wax	19.6	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
181	25-Oct-09	01:55:07.3	Orionid	38.5 W	24.0 S	Mare Humorum	8	0.41	wax	19.6	50.8	Rit Chret SD	TBD	SU640	Sony GV-D800	MSFC ALAMO	Suggs
181	25-Oct-09	01:55:07.3	Orionid	38.5 W	24.0 S	Mare Humorum	1	0.41	wax	18.7	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
182	25-Oct-09	01:58:10.3	Orionid	22.5 W	35.0 N	NW Mare Imbrium	1	0.41	wax	19.2	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
182	25-Oct-09	01:58:10.3	Orionid	22.5 W	35.0 N	NW Mare Imbrium	1	0.41	wax	18.3	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
183	25-Oct-09	02:37:58.2	Orionid	41.5 W	3.0 N	Maestlin R	1	0.41	wax	13.6	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
183	25-Oct-09	02:37:58.2	Orionid	41.5 W	3.0 N	Maestlin R	5	0.41	wax	13.6	50.8	Rit Chret SD	TBD	SU640	Sony GV-D800	MSFC ALAMO	Suggs
183	25-Oct-09	02:37:58.2	Orionid	41.5 W	3.0 N	Maestlin R	1	0.41	wax	12.6	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
184	25-Oct-09	02:38:07.7	Orionid	56.0 W	4.5 N	Central Oceanus Procellarum	1	0.41	wax	13.6	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
184	25-Oct-09	02:38:07.7	Orionid	56.0 W	4.5 N	Central Oceanus Procellarum	5	0.41	wax	13.6	50.8	Rit Chret SD	TBD	SU640	Sony GV-D800	MSFC ALAMO	Suggs
184	25-Oct-09	02:38:07.7	Orionid	56.0 W	4.5 N	Central Oceanus Procellarum	1	0.41	wax	12.6	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
185	25-Oct-09	02:53:59.4	Orionid	69.5 W	29.0 N	Briggs B	1	0.41	wax	11.2	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
185	25-Oct-09	02:53:59.4	Orionid	69.5 W	29.0 N	Briggs B	4	0.41	wax	11.2	50.8	Rit Chret SD	TBD	SU640	Sony GV-D800	MSFC ALAMO	Suggs
185	25-Oct-09	02:53:59.4	Orionid	69.5 W	29.0 N	Briggs B	1	0.41	wax	10.2	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
186	12-Nov-09	10:10:22.6	Taurid	77.0 E	16.0 N	Alhazen A	2	0.20	wan	24.3	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
186	12-Nov-09	10:10:22.6	Taurid	77.0 E	16.0 N	Alhazen A	8	0.20	wan	24.3	50.8	Rit Chret SD	TBD	SU640	Sony GV-D800	MSFC ALAMO	Swift
186	12-Nov-09	10:10:22.6	Taurid	77.0 E	16.0 N	Alhazen A	1	0.20	wan	25.2	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Swift
187	13-Nov-09	10:15:44.9	Taurid	53.0 E	8.0 N	Taruntius X	2	0.12	wan	10.4	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
187	13-Nov-09	10:15:44.9	Taurid	53.0 E	8.0 N	Taruntius X	15	0.12	wan	10.4	50.8	Rit Chret SD	TBD	SU640	Sony GV-D800	MSFC ALAMO	Suggs
187	13-Nov-09	10:15:44.9	Taurid	53.0 E	8.0 N	Taruntius X	1	0.12	wan	11.3	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
188	13-Nov-09	11:44:38.8	Taurid	43.5 E	17.5 N	Proclus J	3	0.12	wan	28.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
188	13-Nov-09	11:44:38.8	Taurid	43.5 E	17.5 N	Proclus J	46	0.12	wan	28.0	50.8	Rit Chret SD	TBD	SU640	Sony GV-D800	MSFC ALAMO	Suggs
189	10-Dec-09	09:41:53.9	Unk	87.0 E	7.5 S	Kiess	2	0.34	wan	29.3	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
189	10-Dec-09	09:41:53.9	Unk	87.0 E	7.5 S	Kiess	2	0.34	wan	30.1	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggsrj
190	21-Dec-09	00:12:37.8	Unk	35.0 W	28.5 N	Diophantus	2	0.17	wax	24.4	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
190	21-Dec-09	00:12:37.8	Unk	35.0 W	28.5 N	Diophantus	18	0.17	wax	24.4	50.8	Rit Chret SD	TBD	SU640	Sony GV-D800	MSFC ALAMO	Suggsrj
190	21-Dec-09	00:12:37.8	Unk	35.0 W	28.5 N	Diophantus	1	0.17	wax	23.4	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggsrj
191	21-Dec-09	00:33:45.7	Unk	36.0 W	32.0 S	Vitello	1	0.17	wax	21.2	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
191	21-Dec-09	00:33:45.7	Unk	36.0 W	32.0 S	Vitello	1	0.17	wax	20.2	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggsrj
192	22-Dec-09	02:48:43.2	Unk	75.0 W	2.0 S	Riccioli	2	0.25	wax	7.7	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
192	22-Dec-09	02:48:43.2	Unk	75.0 W	2.0 S	Riccioli	1	0.25	wax	6.6	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
195	19-Jan-10	00:28:45.1	Unk	58.0 W	18.0 N	Central Oceanus Procellarum	2	0.11	wax	20.8	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
195	19-Jan-10	00:28:45.1	Unk	58.0 W	18.0 N	Central Oceanus Procellarum	9	0.11	wax	20.8	50.8	Rit Chret SD	TBD	SU640	Sony GV-D800	MSFC ALAMO	Suggs
195	19-Jan-10	00:28:45.1	Unk	58.0 W	18.0 N	Central Oceanus Procellarum	2	0.11	wax	19.7	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
196	19-Jan-10	00:57:07.4	Unk	18.0 W	7.0 N	Copernicus	2	0.12	wax	15.5	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
196	19-Jan-10	00:57:07.4	Unk	18.0 W	7.0 N	Copernicus	2	0.12	wax	14.4	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
197	18-Feb-10	01:31:42.9	Unk	73.0 W	36.0 S	Lagrange D	2	0.13	wax	17.5	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
198	19-Feb-10	00:45:39.5	Unk	40.0 W	36.0 S	Clausius B	1	0.21	wax	37.8	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
198	19-Feb-10	00:45:39.5	Unk	40.0 W	36.0 S	Clausius B	1	0.21	wax	36.7	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Swift
199	19-Feb-10	01:15:10.9	Unk	73.5 W	11.5 S	Rocca R	3	0.21	wax	32.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Swift
199	19-Feb-10	01:15:10.9	Unk	73.5 W	11.5 S	Rocca R	2	0.21	wax	30.9	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Swift
200	20-Mar-10	01:07:27.0	Unk	45.0 W	18.5 S	Gassendi E	2	0.16	wax	32.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
200	20-Mar-10	01:07:27.0	Unk	45.0 W	18.5 S	Gassendi E	2	0.16	wax	30.9	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggsrj
201	21-Apr-10	02:48:02.8	Unk	31.0 W	13.0 N	Tobias Mayer Dzeta	1	0.42	wax	43.4	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
201	21-Apr-10	02:48:02.8	Unk	31.0 W	13.0 N	Tobias Mayer Dzeta	1	0.42	wax	43.4	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
201	21-Apr-10	02:48:02.8	Unk	31.0 W	13.0 N	Tobias Mayer Dzeta	1	0.42	wax	42.2	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
202	18-May-10	01:32:36.1	Shower?	22.0 W	19.0 N	Pytheas	2	0.18	wax	33.9	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
203	18-May-10	01:38:30.7	Shower?	36.5 W	0.5 S	Encke C	1	0.19	wax	32.7	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
203	18-May-10	01:38:30.7	Shower?	36.5 W	0.5 S	Encke C	1	0.19	wax	32.7	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
203	18-May-10	01:38:30.7	Shower?	36.5 W	0.5 S	Encke C	1	0.19	wax	31.6	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
204	18-May-10	01:56:32.7	Shower?	62.5 W	12.0 N	Galilaei A	2	0.19	wax	28.8	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
204	18-May-10	01:56:32.7	Shower?	62.5 W	12.0 N	Galilaei A	1	0.19	wax	28.8	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
205	18-May-10	02:31:09.5	Shower?	52.0 W	16.0 N	Marius	2	0.19	wax	22.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
205	18-May-10	02:31:09.5	Shower?	52.0 W	16.0 N	Marius	2	0.19	wax	22.0	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
205	18-May-10	02:31:09.5	Shower?	52.0 W	16.0 N	Marius	2	0.19	wax	21.0	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
206	8-Jul-10	08:08:58.4	Unk	54.0 E	27.0 S	Snellius A	2	0.15	wan	8.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
206	8-Jul-10	08:08:58.4	Unk	54.0 E	27.0 S	Snellius A	2	0.15	wan	9.1	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggsrj
207	8-Jul-10	08:48:55.8	Unk	20.0 E	36.0 S	Rabbi Levi F	8	0.15	wan	15.4	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
207	8-Jul-10	08:48:55.8	Unk	20.0 E	36.0 S	Rabbi Levi F	6	0.15	wan	16.5	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggsrj
208	2-Sep-10	06:54:15.9	Unk	36.0 E	6.5 S	Capella	2	0.44	wan	23.1	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
208	2-Sep-10	06:54:15.9	Unk	36.0 E	6.5 S	Capella	2	0.44	wan	23.1	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
208	2-Sep-10	06:54:15.9	Unk	36.0 E	6.5 S	Capella	1	0.44	wan	24.2	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
209	13-Sep-10	01:10:23.6	Unk	5.0 W	3.0 S	Mosting A	4	0.27	wax	13.3	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
210	4-Oct-10	09:27:00.7	Unk	58.0 E	5.5 S	Lagrenus	1	0.16	wan	15.8	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
210	4-Oct-10	09:27:00.7	Unk	58.0 E	5.5 S	Lagrenus	1	0.16	wan	15.8	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
211	13-Nov-10	02:49:58.3	Unk	78.0 W	20.0 S	Montes Cordillera	1	0.44	wax	20.3	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Blaauw
211	13-Nov-10	02:49:58.3	Unk	78.0 W	20.0 S	Montes Cordillera	1	0.44	wax	19.3	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Blaauw
212	13-Dec-10	23:53:51.6	Geminid	47.0 W	16.0 S	Billy	3	0.54	wax	58.2	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
212	13-Dec-10	23:53:51.6	Geminid	47.0 W	16.0 S	Billy	4	0.54	wax	58.2	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
213	13-Dec-10	23:53:56.9	Geminid	58.0 W	17.0 S	Fontana	1	0.54	wax	58.2	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
213	13-Dec-10	23:53:56.9	Geminid	58.0 W	17.0 S	Fontana	1	0.54	wax	58.2	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
214	14-Dec-10	00:25:25.5	Geminid	75.0 W	24.0 N	Eddington	1	0.54	wax	57.6	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
214	14-Dec-10	00:25:25.5	Geminid	75.0 W	24.0 N	Eddington	1	0.54	wax	57.6	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
215	14-Dec-10	01:16:14.6	Geminid	39.0 W	32.0 S	Lee	2	0.54	wax	53.4	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
215	14-Dec-10	01:16:14.6	Geminid	39.0 W	32.0 S	Lee	2	0.54	wax	53.4	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
216	14-Dec-10	01:16:42.0	Geminid	27.0 W	13.0 S	Darney C	2	0.54	wax	53.3	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
217	14-Dec-10	01:17:08.8	Geminid	25.0 W	10.0 S	Eppinger	2	0.54	wax	53.3	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
218	14-Dec-10	01:49:31.5	Geminid	66.0 W	25.0 N	Briggs	2	0.54	wax	49.1	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
218	14-Dec-10	01:49:31.5	Geminid	66.0 W	25.0 N	Briggs	3	0.54	wax	49.1	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
218	14-Dec-10	01:49:31.5	Geminid	66.0 W	25.0 N	Briggs	1	0.54	wax	48.1	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs, Suggsrj
219	14-Dec-10	01:55:48.1	Geminid	41.0 W	12.0 S	Letronne	2	0.54	wax	48.1	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
219	14-Dec-10	01:55:48.1	Geminid	41.0 W	12.0 S	Letronne	1	0.54	wax	48.1	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
220	14-Dec-10	01:56:51.5	Geminid	64.0 W	10.0 S	Grimaldi	1	0.54	wax	48.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
220	14-Dec-10	01:56:51.5	Geminid	64.0 W	10.0 S	Grimaldi	2	0.54	wax	48.0	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
221	14-Dec-10	02:51:00.7	Geminid	86.0 W	17.0 S	Kopff B	1	0.55	wax	39.2	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
221	14-Dec-10	02:51:00.7	Geminid	86.0 W	17.0 S	Kopff B	1	0.55	wax	39.2	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
222	14-Dec-10	02:55:57.6	Geminid	41.0 W	39.0 S	Lacus Excellentiae	3	0.55	wax	38.3	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
222	14-Dec-10	02:55:57.6	Geminid	41.0 W	39.0 S	Lacus Excellentiae	2	0.55	wax	38.3	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
223	14-Dec-10	03:25:50.9	Geminid	58.0 W	26.0 N	Zinner	2	0.55	wax	32.8	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
223	14-Dec-10	03:25:50.9	Geminid	58.0 W	26.0 N	Zinner	1	0.55	wax	32.8	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
224	14-Dec-10	03:31:47.3	Geminid	62.0 W	24.0 N	Schiaparelli	1	0.55	wax	31.7	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
224	14-Dec-10	03:31:47.3	Geminid	62.0 W	24.0 N	Schiaparelli	1	0.55	wax	31.7	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
225	14-Dec-10	03:33:38.7	Geminid	71.0 W	13.0 N	Cardanus	2	0.55	wax	31.4	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
225	14-Dec-10	03:33:38.7	Geminid	71.0 W	13.0 N	Cardanus	3	0.55	wax	31.4	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
225	14-Dec-10	03:33:38.7	Geminid	71.0 W	13.0 N	Cardanus	1	0.55	wax	30.3	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs, Suggsrj
226	14-Dec-10	03:42:19.7	Geminid	39.0 W	18.0 N	Bessarion A	1	0.55	wax	29.7	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
226	14-Dec-10	03:42:19.7	Geminid	39.0 W	18.0 N	Bessarion A	2	0.55	wax	29.7	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
227	14-Dec-10	04:08:31.1	Geminid	68.0 W	22.0 S	Darwin H	2	0.55	wax	24.7	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
227	14-Dec-10	04:08:31.1	Geminid	68.0 W	22.0 S	Darwin H	3	0.55	wax	24.7	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
228	14-Dec-10	04:29:48.1	Geminid	78.0 W	14.0 N	Vasco Da Gama F	1	0.55	wax	20.7	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
228	14-Dec-10	04:29:48.1	Geminid	78.0 W	14.0 N	Vasco Da Gama F	1	0.55	wax	20.7	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
229	14-Dec-10	04:35:39.8	Geminid	89.0 W	17.0 S	Kopff	1	0.55	wax	19.5	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
229	14-Dec-10	04:35:39.8	Geminid	89.0 W	17.0 S	Kopff	2	0.55	wax	19.5	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
229	14-Dec-10	04:35:39.8	Geminid	89.0 W	17.0 S	Kopff	1	0.55	wax	18.4	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs, Suggsrj

230	14-Dec-10	04:43:03.5	Geminid	47.0 W	20.0 N	Aristarchus F	1	0.55	wax	18.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
230	14-Dec-10	04:43:03.5	Geminid	47.0 W	20.0 N	Aristarchus F	1	0.55	wax	18.0	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
231	14-Dec-10	04:52:12.1	Geminid	50.0 W	21.0 N	Herodotus	1	0.55	wax	16.1	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
231	14-Dec-10	04:52:12.1	Geminid	50.0 W	21.0 N	Herodotus	2	0.55	wax	16.1	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
232	14-Dec-10	05:23:56.1	Geminid	65.0 W	32.0 S	Lagrange L	7	0.55	wax	9.8	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs, Suggsrj
233	8-Jan-11	23:42:08.9	Unk	56.0 W	8.0 S	Sirsalis E	1	0.19	wax	38.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
233	8-Jan-11	23:42:08.9	Unk	56.0 W	8.0 S	Sirsalis E	1	0.19	wax	38.0	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
233	8-Jan-11	23:42:08.9	Unk	56.0 W	8.0 S	Sirsalis E	1	0.19	wax	37.0	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
234	9-Jan-11	01:17:55.1	Unk	55.0 W	37.0 S	Lehmann E	1	0.19	wax	21.4	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
234	9-Jan-11	01:17:55.1	Unk	55.0 W	37.0 S	Lehmann E	1	0.19	wax	21.4	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
234	9-Jan-11	01:17:55.1	Unk	55.0 W	37.0 S	Lehmann E	1	0.19	wax	20.3	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
235	11-Feb-11	04:14:25.5	Unk	88.0 W	36.0 S	Bouvard R	2	0.48	wax	26.5	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
235	11-Feb-11	04:14:25.5	Unk	88.0 W	36.0 S	Bouvard R	2	0.48	wax	26.5	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
235	11-Feb-11	04:14:25.5	Unk	88.0 W	36.0 S	Bouvard R	2	0.48	wax	25.5	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
236	26-Feb-11	09:39:28.5	Unk	69.5 E	15.0 N	Alhazen	1	0.35	wan	13.7	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
236	26-Feb-11	09:39:28.5	Unk	69.5 E	15.0 N	Alhazen	2	0.35	wan	13.7	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
236	26-Feb-11	09:39:28.5	Unk	69.5 E	15.0 N	Alhazen	2	0.35	wan	14.4	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
237	26-Feb-11	10:38:26.3	Unk	48.0 E	7.0 N	Taruntius	2	0.34	wan	21.4	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
237	26-Feb-11	10:38:26.3	Unk	48.0 E	7.0 N	Taruntius	2	0.34	wan	21.4	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
237	26-Feb-11	10:38:26.3	Unk	48.0 E	7.0 N	Taruntius	1	0.34	wan	21.9	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
238	12-Mar-11	00:37:43.2	Shower?	57.0 W	14.0 S	Fontana	1	0.40	wax	65.9	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Blaauw
238	12-Mar-11	00:37:43.2	Shower?	57.0 W	14.0 S	Fontana	1	0.40	wax	65.9	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
239	12-Mar-11	01:11:18.5	Shower?	63.0 W	9.0 N	Galilaei	1	0.40	wax	59.4	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Blaauw
239	12-Mar-11	01:11:18.5	Shower?	63.0 W	9.0 N	Galilaei	1	0.40	wax	59.4	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
239	12-Mar-11	01:11:18.5	Shower?	63.0 W	9.0 N	Galilaei	1	0.40	wax	58.3	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Blaauw
240	12-Mar-11	02:57:33.0	Shower?	64.0 W	21.0 N	Seleucus	1	0.41	wax	38.3	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Blaauw
240	12-Mar-11	02:57:33.0	Shower?	64.0 W	21.0 N	Seleucus	1	0.41	wax	38.3	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
241	12-Mar-11	04:03:53.9	Shower?	31.0 W	1.0 N	Lansberg G	2	0.41	wax	25.2	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Blaauw
241	12-Mar-11	04:03:53.9	Shower?	31.0 W	1.0 N	Lansberg G	2	0.41	wax	25.2	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
242	8-Apr-11	01:32:17.8	Unk	46.0 W	2.0 S	Flamsteed P	2	0.17	wax	30.4	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Blaauw
242	8-Apr-11	01:32:17.8	Unk	46.0 W	2.0 S	Flamsteed P	4	0.17	wax	30.4	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
242	8-Apr-11	01:32:17.8	Unk	46.0 W	2.0 S	Flamsteed P	2	0.17	wax	29.3	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Blaauw
243	8-Apr-11	02:42:24.8	Unk	19.0 W	8.0 N	Copernicus	1	0.17	wax	16.7	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Blaauw
243	8-Apr-11	02:42:24.8	Unk	19.0 W	8.0 N	Copernicus	2	0.17	wax	16.7	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
243	8-Apr-11	02:42:24.8	Unk	19.0 W	8.0 N	Copernicus	2	0.17	wax	15.7	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Blaauw
244	9-May-11	04:08:54.0	eta-Lyrid	51.0 W	12.0 N	Marius	5	0.31	wax	14.2	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
244	9-May-11	04:08:54.0	eta-Lyrid	51.0 W	12.0 N	Marius	5	0.31	wax	14.2	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
244	9-May-11	04:08:54.0	eta-Lyrid	51.0 W	12.0 N	Marius	4	0.31	wax	13.1	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Suggs
245	10-May-11	03:40:20.1	Unk	30.0 W	25.0 S	Hippalus	4	0.42	wax	27.9	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Blaauw
245	10-May-11	03:40:20.1	Unk	30.0 W	25.0 S	Hippalus	3	0.42	wax	27.9	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
245	10-May-11	03:40:20.1	Unk	30.0 W	25.0 S	Hippalus	2	0.42	wax	26.8	35.5	Schm Cass WC	94	StellaCam EX	Sony GV-D800	WC, GA	Blaauw
246	11-May-11	02:22:52.1	eta-Lyrid	48.0 W	17.0 S	Billy C	10	0.53	wax	49.8	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
246	11-May-11	02:22:52.1	eta-Lyrid	48.0 W	17.0 S	Billy C	10	0.53	wax	49.8	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
247	27-May-11	10:03:01.4	Unk	17.0 E	5.5 N	Ariadaeus	3	0.26	wan	32.6	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
247	27-May-11	10:03:01.4	Unk	17.0 E	5.5 N	Ariadaeus	2	0.26	wan	32.6	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
248	22-Aug-11	09:37:52.6	Unk	67.0 E	11.0 S	Barkla	5	0.45	wan	57.4	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
248	22-Aug-11	09:37:52.6	Unk	67.0 E	11.0 S	Barkla	5	0.45	wan	57.4	35.5	Schm Cass ND	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
249	22-Aug-11	10:32:00.7	Unk	68.0 E	27.0 N	Hahn D	1	0.45	wan	67.5	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
249	22-Aug-11	10:32:00.7	Unk	68.0 E	27.0 N	Hahn D	1	0.45	wan	67.5	35.5	Schm Cass ND	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
250	23-Aug-11	07:39:06.9	Unk	40.0 E	20.0 N	Carmichael	2	0.36	wan	23.7	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
250	23-Aug-11	07:39:06.9	Unk	40.0 E	20.0 N	Carmichael	1	0.36	wan	23.7	35.5	Schm Cass ND	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Blaauw
251	23-Aug-11	09:58:31.7	Unk	60.0 E	1.5 N	Condon	1	0.35	wan	51.5	35.5	Schm Cass ND	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Blaauw
252	25-Aug-11	10:30:47.5	Unk	34.0 E	13.0 N	Vitruvius G	1	0.17	wan	35.3	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
252	25-Aug-11	10:30:47.5	Unk	34.0 E	13.0 N	Vitruvius G	1	0.17	wan	35.3	35.5	Schm Cass ND	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Blaauw
253	22-Oct-11	08:32:35.6	Orionid	64.0 E	2.0 N	Mare Spumans	2	0.26	wan	16.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
253	22-Oct-11	08:32:35.6	Orionid	64.0 E	2.0 N	Mare Spumans	2	0.26	wan	16.0	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
254	22-Oct-11	10:09:12.4	Orionid	54.0 E	20.0 N	Mare Crisium	1	0.26	wan	34.8	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
254	22-Oct-11	10:09:12.4	Orionid	54.0 E	20.0 N	Mare Crisium	1	0.26	wan	34.8	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
254	22-Oct-11	10:09:12.4	Orionid	54.0 E	20.0 N	Mare Crisium	1	0.26	wan	19.6	35.5	Schm Cass MUT	94	Watec Ult H2	Sony GV-D800	NMSkies, NM	Suggsrj
255	22-Oct-11	10:46:15.4	Orionid	78.0 E	7.5 S	Kastner	2	0.25	wan	41.7	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
255	22-Oct-11	10:46:15.4	Orionid	78.0 E	7.5 S	Kastner	2	0.25	wan	41.7	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
255	22-Oct-11	10:46:15.4	Orionid	78.0 E	7.5 S	Kastner	1	0.25	wan	27.0	35.5	Schm Cass MUT	94	Watec Ult H2	Sony GV-D800	NMSkies, NM	Suggsrj
256	22-Oct-11	11:17:16.2	Orionid	57.0 E	25.0 S	Wrottesley	2	0.25	wan	47.1	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
256	22-Oct-11	11:17:16.2	Orionid	57.0 E	25.0 S	Wrottesley	1	0.25	wan	47.1	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
256	22-Oct-11	11:17:16.2	Orionid	57.0 E	25.0 S	Wrottesley	1	0.25	wan	33.1	35.5	Schm Cass MUT	94	Watec Ult H2	Sony GV-D800	NMSkies, NM	Suggsrj
257	23-Oct-11	09:33:37.1	Orionid	44.0 E	37.0 N	Maury A	2	0.16	wan	14.7	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
258	30-Oct-11	00:36:19.9	Unk	19.0 W	20.0 S	Bullialdus R	1	0.14	wax	7.9	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
258	30-Oct-11	00:36:19.9	Unk	19.0 W	20.0 S	Bullialdus R	2	0.14	wax	7.9	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
259	31-Oct-11	23:57:43.9	Unk	13.5 W	2.0 S	Turner	1	0.32	wax	30.6	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Blaauw
259	31-Oct-11	23:57:43.9	Unk	13.5 W	2.0 S	Turner	1	0.32	wax	30.6	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
260	29-Dec-11	01:06:27.0	Unk	14.0 W	27.0 S	Pitatus	1	0.20	wax	22.2	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Blaauw
260	29-Dec-11	01:06:27.0	Unk	14.0 W	27.0 S	Pitatus	1	0.20	wax	22.2	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
260	29-Dec-11	01:06:27.0	Unk	14.0 W	27.0 S	Pitatus	1	0.20	wax	36.4	35.5	Schm Cass MUT	94	Watec Ult H2	Sony GV-D800	NMSkies, NM	Blaauw
261	29-Dec-11	02:21:58.9	Unk	59.0 W	13.0 N	Rima Galilaei	1	0.20	wax	8.2	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Blaauw
261	29-Dec-11	02:21:58.9	Unk	59.0 W	13.0 N	Rima Galilaei	1	0.20	wax	8.2	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
261	29-Dec-11	02:21:58.9	Unk	59.0 W	13.0 N	Rima Galilaei	1	0.20	wax	23.6	35.5	Schm Cass MUT	94	Watec Ult H2	Sony GV-D800	NMSkies, NM	Blaauw
262	30-Dec-11	01:47:38.4	Unk	69.0 W	29.0 S	Byrgius W	3	0.29	wax	25.9	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Blaauw
262	30-Dec-11	01:47:38.4	Unk	69.0 W	29.0 S	Byrgius W	5	0.29	wax	25.9	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
262	30-Dec-11	01:47:38.4	Unk	69.0 W	29.0 S	Byrgius W	3	0.29	wax	40.5	35.5	Schm Cass MUT	94	Watec Ult H2	Sony GV-D800	NMSkies, NM	Blaauw
263	30-Dec-11	02:08:49.9	Unk	38.0 W	2.0 N	Encke T	1	0.29	wax	22.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Blaauw
263	30-Dec-11	02:08:49.9	Unk	38.0 W	2.0 N	Encke T	1	0.29	wax	22.0	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
264	28-Feb-12	03:27:07.7	Unk	75.0 W	16.0 N	Krafft	4	0.32	wax	20.1	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Blaauw
264	28-Feb-12	03:27:07.7	Unk	75.0 W	16.0 N	Krafft	3	0.32	wax	20.1	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
264	28-Feb-12	03:27:07.7	Unk	75.0 W	16.0 N	Krafft	2	0.32	wax	35.6	35.5	Schm Cass MUT	94	Watec Ult H2	Sony GV-D800	NMSkies, NM	Blaauw
265	29-Mar-12	02:08:49.4	Unk	19 W	18.0 N	Pytheas	2	0.33	wax	40.9	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
266	28-Apr-12	04:00:21.6	Unk	64 W	2 N	Rimae Hevelius	3	0.37	wax	21.0	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
266	28-Apr-12	04:00:21.6	Unk	64 W	2 N	Rimae Hevelius	4	0.37	wax	21.0	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
266	28-Apr-12	04:00:21.6	Unk	64 W	2 N	Rimae Hevelius	2	0.37	wax	36.8	35.5	Schm Cass MUT	94	Watec Ult H2	Sony GV-D800	NMSkies, NM	Suggsrj
267	26-May-12	02:02:13.0	Shower?	60 W	2 S	Gimaldi C	1	0.22	wax	28.4	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggsrj
267	26-May-12	02:02:13.0	Shower?	60 W	2 S	Gimaldi C	1	0.22	wax	28.4	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
268	27-May-12	01:55:32.6	Shower?	32 W	6 S	Euclides	3	0.31	wax	37.1	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
268	27-May-12	01:55:32.6	Shower?	32 W	6 S	Euclides	4	0.31	wax	37.1	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
269	27-May-12	02:33:01.4	Shower?	60 W	28 N	Golgi	1	0.32	wax	29.7	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
269	27-May-12	02:33:01.4	Shower?	60 W	28 N	Golgi	1	0.32	wax	29.7	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
269	27-May-12	02:33:01.4	Shower?	60 W	28 N	Golgi	1	0.32	wax	45.5	35.5	Schm Cass MUT	94	Watec Ult H2	Sony GV-D800	NMSkies, NM	Suggs
270	27-May-12	03:17:18.7	Shower?	77 W	13 S	Rocca	1	0.32	wax	20.7	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
270	27-May-12	03:17:18.7	Shower?	77 W	13 S	Rocca	1	0.32	wax	20.7	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
271	26-Jun-12	02:54:41.0	Bootid?	52 W	3 N	Reiner C	1	0.38	wax	21.7	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
271	26-Jun-12	02:54:41.0	Bootid?	52 W	3 N	Reiner C	1	0.38	wax	21.7	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
272	26-Jun-12	03:00:07.0	Bootid?	35 W	21 N	Brayley B	1	0.39	wax	20.6	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
272	26-Jun-12	03:00:07.0	Bootid?	35 W	21 N	Brayley B	1	0.39	wax	20.6	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
273	12-Aug-12	10:00:32.8	Perseid	86 E	25 N	Seneca	2	0.26	wan	41.1	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
273	12-Aug-12	10:00:32.8	Perseid	86 E	25 N	Seneca	1	0.26	wan	41.1	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
273	12-Aug-12	10:00:32.8	Perseid	86 E	25 N	Seneca	1	0.26	wan	25.2	35.5	Schm Cass MUT	94	Watec Ult H2	Sony GV-D800	NMSkies, NM	Suggs
274	12-Aug-12	10:06:51.9	Perseid	87 E	3 N	Peek	1	0.26	wan	42.4	35.5	Schm Cass T	94	StellaCam EX	Sony GV-D800	MSFC ALAMO	Suggs
274	12-Aug-12	10:06:51.9	Perseid	87 E	3 N	Peek	1	0.26	wan	42.4	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs

274	12-Aug-12	10:06:51.9	Perseid	87 E	3 N	Peek	1	0.26	wan	26.5	35.5	Schm Cass MUT	94	Watec Ult H2	Sony GV-D800	NMSkies, NM	Suggs
275	24-Aug-12	02:36:07.7	Unk	64 W	12 S	Sirsalis B	1	0.44	wax	15.5	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
275	24-Aug-12	02:36:07.7	Unk	64 W	12 S	Sirsalis B	1	0.44	wax	15.5	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
276	9-Oct-12	06:46:16.5	Taurid	50 E	12 S	Bellot	1	0.40	wan	12.1	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
276	9-Oct-12	06:46:16.5	Taurid	50 E	12 S	Bellot	2	0.40	wan	12.1	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
277	9-Oct-12	10:57:14.6	Taurid	77 E	31 S	Legendre D	2	0.39	wan	60.6	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
278	11-Oct-12	08:40:46.8	Shower	61 E	6 S	Langrenus	1	0.20	wan	11.5	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
278	11-Oct-12	08:40:46.8	Shower	61 E	6 S	Langrenus	1	0.20	wan	11.5	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
279	19-Oct-12	00:22:50.5	Shower	55 W	9 S	Sirsalis T	2	0.17	wax	13.8	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
279	19-Oct-12	00:22:50.5	Shower	55 W	9 S	Sirsalis T	1	0.17	wax	13.8	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
280	21-Oct-12	00:29:01.5	Orionid	17 W	12 N	Copernicus	1	0.37	wax	30.1	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
280	21-Oct-12	00:29:01.5	Orionid	17 W	12 N	Copernicus	2	0.37	wax	30.1	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
281	21-Oct-12	02:55:28.0	Orionid	43 W	19 S	Gassendi	1	0.38	wax	10.1	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
281	21-Oct-12	02:55:28.0	Orionid	43 W	19 S	Gassendi	1	0.38	wax	10.1	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
282	8-Nov-12	07:53:57.8	Taurid	68 E	2 S	Maclaurin	1	0.36	wan	17.2	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
282	8-Nov-12	07:53:57.8	Taurid	68 E	2 S	Maclaurin	1	0.36	wan	17.2	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
283	8-Nov-12	08:21:56.9	Taurid	75 E	14 N	Hansen	1	0.36	wan	22.6	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
283	8-Nov-12	08:21:56.9	Taurid	75 E	14 N	Hansen	1	0.36	wan	22.6	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
284	8-Nov-12	09:18:42.2	Taurid	51 E	14 N	Biot	1	0.36	wan	33.6	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
284	8-Nov-12	09:18:42.2	Taurid	51 E	14 N	Biot	3	0.36	wan	33.6	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
285	10-Nov-12	09:07:43.8	Taurid	16 E	19 N	Menelaus	3	0.17	wan	6.0	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
286	10-Nov-12	09:55:10.2	Taurid	72 E	8.5 N	Condorcet P	1	0.16	wan	15.8	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
286	10-Nov-12	09:55:10.2	Taurid	72 E	8.5 N	Condorcet P	2	0.16	wan	15.8	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
287	10-Nov-12	10:39:17.2	Taurid	83 E	12 N	East Limb	1	0.16	wan	23.9	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
287	10-Nov-12	10:39:17.2	Taurid	83 E	12 N	East Limb	1	0.16	wan	23.9	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
288	10-Nov-12	11:16:10.1	Taurid	47.5 E	11.5 N	Glaisher	2	0.16	wan	30.3	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
288	10-Nov-12	11:16:10.1	Taurid	47.5 E	11.5 N	Glaisher	3	0.16	wan	30.3	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
289	10-Nov-12	11:17:14.7	Taurid	18 E	10 N	Julius Caesar	2	0.16	wan	30.5	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
289	10-Nov-12	11:17:14.7	Taurid	18 E	10 N	Julius Caesar	1	0.16	wan	30.5	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
290	16-Nov-12	23:36:05.2	Shower	59 W	23 S	Henry Freres	6	0.13	wax	19.8	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
290	16-Nov-12	23:36:05.2	Shower	59 W	23 S	Henry Freres	8	0.13	wax	19.8	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
291	16-Nov-12	23:58:07.1	Shower	17 W	8 N	Copernicus	1	0.13	wax	16.6	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
291	16-Nov-12	23:58:07.1	Shower	17 W	8 N	Copernicus	1	0.13	wax	16.6	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
292	17-Nov-12	23:54:55.6	Shower	69 W	21 S	Darwin	1	0.22	wax	27.2	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
292	17-Nov-12	23:54:55.6	Shower	69 W	21 S	Darwin	2	0.22	wax	27.2	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
293	19-Nov-12	00:33:26.8	Shower	26 W	2 N	Lansberg	1	0.33	wax	32.3	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	tbd
293	19-Nov-12	00:33:26.8	Shower	26 W	2 N	Lansberg	1	0.33	wax	32.3	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	tbd
294	18-Dec-12	00:03:41.9	Shower	11 W	1 N	Gambart 1	1	0.27	wax	38.3	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
294	18-Dec-12	00:03:41.9	Shower	11 W	1 N	Gambart 1	1	0.27	wax	38.3	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
295	17-Mar-13	02:17:00.0	Virginid Complex	54 W	13 S	Hansteen	1	0.26	wax	29.0	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs and Kingery
295	17-Mar-13	02:17:00.0	Virginid Complex	54 W	13 S	Hansteen	1	0.26	wax	29.0	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs and Kingery
299	17-Mar-13	02:33:18.0	Virginid Complex	26 W	32 N	Carlini G	1	0.26	wax	25.6	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs and Kingery
299	17-Mar-13	02:33:18.0	Virginid Complex	26 W	32 N	Carlini G	1	0.26	wax	25.6	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs and Kingery
300	17-Mar-13	03:14:21.1	Virginid Complex	41 W	33 S	Vitello D	2	0.26	wax	17.4	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs and Kingery
300	17-Mar-13	03:14:21.1	Virginid Complex	41 W	33 S	Vitello D	2	0.26	wax	17.4	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs and Kingery
296	17-Mar-13	03:50:54.0	Virginid Complex	23 W	20 N	Pytheas	18	0.26	wax	10.5	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs and Kingery
296	17-Mar-13	03:50:54.0	Virginid Complex	23 W	20 N	Pytheas	26	0.26	wax	10.5	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs and Kingery
297	18-Mar-13	00:56:14.0	Virginid Complex	80 W	2 S	Riccioli K	2	0.34	wax	55.2	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
297	18-Mar-13	00:56:14.0	Virginid Complex	80 W	2 S	Riccioli K	3	0.34	wax	55.2	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
301	16-Apr-13	01:27:29.6	Lyrid	28 W	8 S	Montes Riphaeus	1	0.27	wax	42.9	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Kingery
301	16-Apr-13	01:27:29.6	Lyrid	28 W	8 S	Montes Riphaeus	1	0.27	wax	42.9	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Kingery
298	16-Apr-13	01:43:48.0	Lyrid	51 W	17 S	Zupus	1	0.27	wax	39.6	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Kingery
298	16-Apr-13	01:43:48.0	Lyrid	51 W	17 S	Zupus	1	0.27	wax	39.6	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Kingery
302	10-Sep-13	00:53:46.6	Unk	19 W	5 N	Fauth B / Copernicus	2	0.21	wax	16.6	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
303	8-Nov-13	01:15:08.1	Unk	36 W	19 N	Brayley	1	0.25	wax	17.2	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
303	8-Nov-13	01:15:08.1	Unk	36 W	19 N	Brayley	1	0.25	wax	17.2	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
304	29-Nov-13	10:49:23.6	Shower?	76 E	11 S	La Perouse	2	0.16	wan	21.9	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
304	29-Nov-13	10:49:23.6	Shower?	76 E	11 S	La Perouse	1	0.16	wan	21.9	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
305	29-Nov-13	10:53:08.3	Shower?	40.5 E	17.5 N	Franz	1	0.16	wan	22.5	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
305	29-Nov-13	10:53:08.3	Shower?	40.5 E	17.5 N	Franz	1	0.16	wan	22.5	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
306	29-Nov-13	11:07:24.3	Shower?	76 E	3 S	Gilbert	1	0.16	wan	24.8	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
306	29-Nov-13	11:07:24.3	Shower?	76 E	3 S	Gilbert	1	0.16	wan	24.8	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
307	27-Dec-13	10:42:20.2	Unk	53 E	7 S	East Mare Fecunditatis	1	0.31	wan	31.8	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
307	27-Dec-13	10:42:20.2	Unk	53 E	7 S	East Mare Fecunditatis	2	0.31	wan	31.8	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
307	27-Dec-13	10:42:20.2	Unk	53 E	7 S	East Mare Fecunditatis	1	0.31	wan	20.5	35.5	Schm Cass MUT	94	Watec Ult H2	Sony GV-D800	NMSkies, NM	Suggs
308	3-Jan-14	23:56:58.1	Quadrantid	73 W	19 N	Struve B	1	0.09	wax	19.8	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
308	3-Jan-14	23:56:58.1	Quadrantid	73 W	19 N	Struve B	1	0.09	wax	19.8	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
309	7-Jan-14	05:17:02.7	Unk	13.0 W	10.0 N	Stadius	4	0.39	wax	12.9	35.5	Schm Cass MUT	94	Watec Ult H2	Sony GV-D800	NMSkies, NM	Kingery
310	26-Jan-14	11:32:09.0	Unk	17.5 E	22.0 N	Bessel	4	0.26	wan	18.8	35.5	Schm Cass MUT	94	Watec Ult H2	Sony GV-D800	NMSkies, NM	Kingery
311	6-Mar-14	02:48:44.1	Unk	42.0 W	5.0 S	Flamsteed	2	0.26	wax	36.9	35.5	Schm Cass MUT	94	Watec Ult H2	Sony GV-D800	NMSkies, NM	Suggs
312	24-Apr-14	09:19:14.1	Lyrid	76.5 E	10.0 S	Weierstrass	2	0.27	wan	14.2	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Kingery
312	24-Apr-14	09:19:14.1	Lyrid	76.5 E	10.0 S	Weierstrass	2	0.27	wan	14.2	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Kingery
313	3-May-14	01:42:07.3	Unk	83.0 W	16.0 N	Vasco Da Gama B	7	0.14	wax	24.2	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Kingery
313	3-May-14	01:42:07.3	Unk	83.0 W	16.0 N	Vasco Da Gama B	7	0.14	wax	24.2	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Kingery
314	4-May-14	03:16:01.7	Eta Aquariid	20.0 W	1.0 S	Gambart R	6	0.23	wax	14.7	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
314	4-May-14	03:16:01.7	Eta Aquariid	20.0 W	1.0 S	Gambart R	8	0.23	wax	14.7	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
315	4-May-14	03:32:31.9	Unk	60.0 W	18.0 N	Galilaei W	1	0.23	wax	11.6	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
315	4-May-14	03:32:31.9	Unk	60.0 W	18.0 N	Galilaei W	1	0.23	wax	11.6	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
316	5-May-14	01:25:41.3	Unk	62.0 W	27.0 N	Schiaparelli E	1	0.31	wax	45.5	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
316	5-May-14	01:25:41.3	Unk	62.0 W	27.0 N	Schiaparelli E	1	0.31	wax	45.5	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
317	6-May-14	02:26:54.5	Eta Aquariid	25.0 W	34.0 E	Carlini	1	0.40	wax	41.0	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
317	6-May-14	02:26:54.5	Eta Aquariid	25.0 W	34.0 E	Carlini	1	0.40	wax	41.0	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
318	6-May-14	04:06:25.5	Eta Aquariid	16.0 W	23.0 S	Wolf B	1	0.41	wax	21.1	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
318	6-May-14	04:06:25.5	Eta Aquariid	16.0 W	23.0 S	Wolf B	1	0.41	wax	21.1	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
319	6-May-14	04:13:20.3	Eta Aquariid	48.0 W	23.0 N	Aristarchus	1	0.41	wax	19.7	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
319	6-May-14	04:13:20.3	Eta Aquariid	48.0 W	23.0 N	Aristarchus	1	0.41	wax	19.7	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
320	4-Jun-14	01:57:09.7	Unk	61 W	6 N	Reiner Gamma	1	0.33	wax	36.7	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
320	4-Jun-14	01:57:09.7	Unk	61 W	6 N	Reiner Gamma	2	0.33	wax	36.7	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
321	5-Jun-14	03:25:39.7	Unk	74 W	22 S	Darwin A	2	0.43	wax	25.6	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
321	5-Jun-14	03:25:39.7	Unk	74 W	22 S	Darwin A	2	0.43	wax	25.6	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
322	2-Sep-14	01:43:10.9	Aurigid?	71 W	21 N	Eddington P	3	0.46	wax	26.4	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
322	2-Sep-14	01:43:10.9	Aurigid?	71 W	21 N	Eddington P	3	0.46	wax	26.4	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
323	19-Sep-14	09:35:19.9	Unk	45 E	23 S	Santbech	5	0.20	wan	24.6	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
323	19-Sep-14	09:35:19.9	Unk	45 E	23 S	Santbech	5	0.20	wan	24.6	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
324	19-Sep-14	09:54:04.8	Unk	41 E	7.5 S	Gutenberg	1	0.20	wan	28.3	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
324	19-Sep-14	09:54:04.8	Unk	41 E	7.5 S	Gutenberg	1	0.20	wan	28.3	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
325	20-Sep-14	10:50:40.6	Unk	80 E	1.0 N	Back	1	0.12	wan	29.3	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
325	20-Sep-14	10:50:40.6	Unk	80 E	1.0 N	Back	1	0.12	wan	29.3	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
326	20-Sep-14	11:00:53.3	Unk	56 E	21.5 N	Mare Crisium	2	0.12	wan	31.3	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
326	20-Sep-14	11:00:53.3	Unk	56 E	21.5 N	Mare Crisium	1	0.12	wan	31.3	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
327	30-Sep-14	01:16:45.0	Unk	43 W	21 N	Brayley L	1	0.21	wax	12.0	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Ehlert
327	30-Sep-14	01:16:45.0	Unk	43 W	21 N	Brayley L	1	0.21	wax	12.0	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Ehlert
328	18-Oct-14	08:18:49.0	Unk	52 E	2 S	Messier J	2	0.26	wan	13.8	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Kingery
328	18-Oct-14	08:18:49.0	Unk	52 E	2 S	Messier J	2	0.26	wan	13.8	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Kingery
329	30-Oct-14	01:57:35.2	Shower	28 W	18 N	Tobias Mayer K	1	0.38	wax	21.2	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
329	30-Oct-14	01:57:35.2	Shower	28 W	18 N	Tobias Mayer K	1	0.38	wax	21.2	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
330	30-Oct-14	02:36:14.8	Shower	25 W	4 N	Reinhold C	2	0.38	wax	15.2	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj

330	30-Oct-14	02:36:14.8	Shower	25 W	4 N	Reinhold C	2	0.38	wax	15.2	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
331	30-Oct-14	03:11:33.7	Shower	45 W	1 N	Seuss F	1	0.38	wax	9.1	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
331	30-Oct-14	03:11:33.7	Shower	45 W	1 N	Seuss F	1	0.38	wax	9.1	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
332	24-Mar-15	01:47:07.6	Shower	47 W	31 N	Wollaston	4	0.18	wax	24.3	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Kingery
332	24-Mar-15	01:47:07.6	Shower	47 W	31 N	Wollaston	4	0.18	wax	24.3	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Kingery
333	25-Mar-15	01:45:26.5	Shower	72 W	27 S	Lamarck G	1	0.27	wax	36.7	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Ehlert
333	25-Mar-15	01:45:26.5	Shower	72 W	27 S	Lamarck G	1	0.27	wax	36.7	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Ehlert
334	25-Mar-15	01:46:16.0	Shower	15 W	4 N	Gambart K	1	0.27	wax	36.5	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Ehlert
334	25-Mar-15	01:46:16.0	Shower	15 W	4 N	Gambart K	1	0.27	wax	36.5	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Ehlert
335	25-Mar-15	02:56:26.4	Shower	39 W	7 S	Wichmann R	1	0.27	wax	22.6	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Ehlert
335	25-Mar-15	02:56:26.4	Shower	39 W	7 S	Wichmann R	1	0.27	wax	22.6	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Ehlert
336	22-Apr-15	02:09:02.0	Lyrid	17 W	5 S	Fra Mauro D	1	0.14	wax	16.6	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
336	22-Apr-15	02:09:02.0	Lyrid	17 W	5 S	Fra Mauro D	1	0.14	wax	16.6	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
337	23-May-15	02:30:51.0	Unk	73 W	23.5 N	Struve K	2	0.25	wax	25.7	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
337	23-May-15	02:30:51.0	Unk	73 W	23.5 N	Struve K	3	0.25	wax	25.7	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Blaauw
338	18-Sep-15	00:36:23.3	Unk	65 W	6 S	Grimaldi S	2	0.19	wax	19.1	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
338	18-Sep-15	00:36:23.3	Unk	65 W	6 S	Grimaldi S	2	0.19	wax	19.1	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggs
339	19-Sep-15	01:01:14.2	Unk	60 W	8 N	Galilaei 1	2	0.27	wax	21.0	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
339	19-Sep-15	01:01:14.2	Unk	60 W	8 N	Galilaei 1	2	0.27	wax	21.0	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
340	19-Sep-15	01:33:04.8	Unk	28 W	27 S	Campanus K	1	0.27	wax	15.8	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
340	19-Sep-15	01:33:04.8	Unk	28 W	27 S	Campanus K	1	0.27	wax	15.8	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Suggsrj
341	19-Oct-15	01:23:29.1	Shower	51 W	5 N	Reiner A	1	0.31	wax	19.5	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Kingery
341	19-Oct-15	01:23:29.1	Shower	51 W	5 N	Reiner A	1	0.31	wax	19.5	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Kingery
342	19-Oct-15	02:31:30.0	Shower	41 W	24 S	Doppelmayer K	1	0.31	wax	8.5	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Kingery
342	19-Oct-15	02:31:30.0	Shower	41 W	24 S	Doppelmayer K	1	0.31	wax	8.5	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Kingery
343	19-Oct-15	23:46:36.6	Shower	68 W	5 S	Grimaldi	1	0.41	wax	35.9	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Ehlert
343	19-Oct-15	23:46:36.6	Shower	68 W	5 S	Grimaldi	1	0.41	wax	35.9	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Ehlert
344	20-Oct-15	00:40:39.5	Shower	72 W	13 N	Cardanus	1	0.41	wax	32.0	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Ehlert
344	20-Oct-15	00:40:39.5	Shower	72 W	13 N	Cardanus	1	0.41	wax	32.0	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Ehlert
345	20-Oct-15	01:38:45.6	Shower	42 W	16 N	Bessarion C	1	0.41	wax	25.4	35.5	Schm Cass T	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Ehlert
345	20-Oct-15	01:38:45.6	Shower	42 W	16 N	Bessarion C	1	0.41	wax	25.4	35.5	Schm Cass SD	94	Watec Ult H2	Sony GV-D800	MSFC ALAMO	Ehlert

PRELIMINARY