

GOMOS Daily Report 22-JUN-2009

Level 0 and Level 1 products

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This report presents the daily analysis on parameters extracted from GOMOS level 1b data (GOM_TRA_1P). It is intended to monitor some important parameters that will impact the quality of the level 2 products as the Spectrometers and Photometers CCD Temperatures and Dark Charge, SATU noise equivalent angle... A list of level 0 products (and content) that have arrived during the actual month to the PCF is also given.

Item	Value
Time of report generation	25JUN2009 04:35:44
Data source version	GOMOS/5.00
Start time of products	22JUN2009 00:12:12
Stop time of products	22JUN2009 21:39:09
Store outputs in DB	Yes
Nb of level 1b prods	49
Nb of prods with errors	0

2. Summary of products arrived in PCF (Product Control Facility)

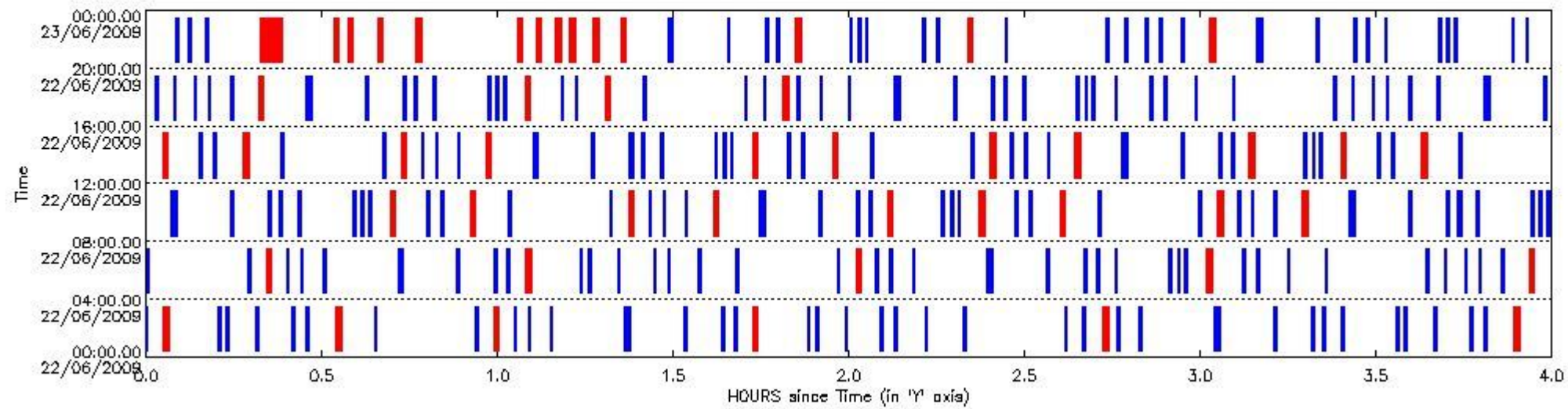
2.1 Level 0 products arrived in PCF (see template [here](#))

2.2 Plot of mission plan versus Level 0 production arrived in PCF during reporting period

Red segments are missing products.

Blue segments are available products.

Green segments are calibration measurements (not available products to users).



2.3 Summary of missing occultations (red segments in previous plot)

UTC start time	Star name	Star ID	Orbit
22-JUN-2009 00:02:52	AlpPav	45	38218
22-JUN-2009 00:32:22	40ZetHer	133	38218
22-JUN-2009 00:59:19	23GamPer	160	38218
22-JUN-2009 01:43:28	AlpPav	45	38219
22-JUN-2009 02:43:21	57Gam1And	73	38219
22-JUN-2009 03:53:34	40ZetHer	133	38220
22-JUN-2009 04:20:31	23GamPer	160	38220
22-JUN-2009 05:04:41	AlpPav	45	38221
22-JUN-2009 06:01:07	23GamPer	160	38221
22-JUN-2009 07:01:03	35EtaOph	86	38222
22-JUN-2009 07:56:10	92AlpCet	94	38222
22-JUN-2009 08:41:39	35EtaOph	86	38223
22-JUN-2009 08:55:21	40ZetHer	133	38223
22-JUN-2009 09:22:19	23GamPer	160	38223
22-JUN-2009 09:36:46	92AlpCet	94	38223

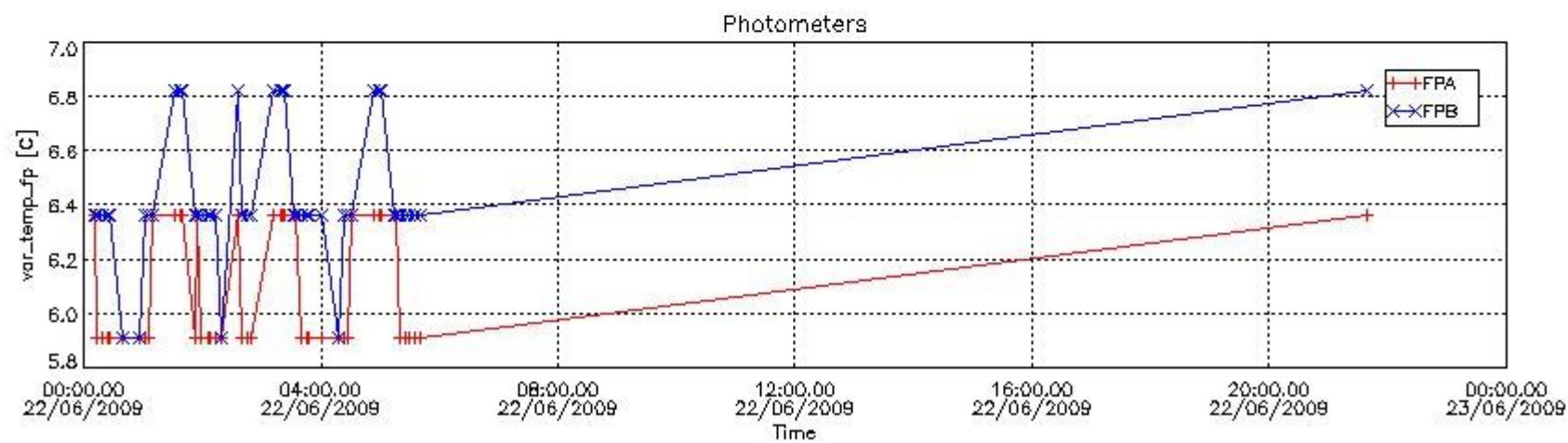
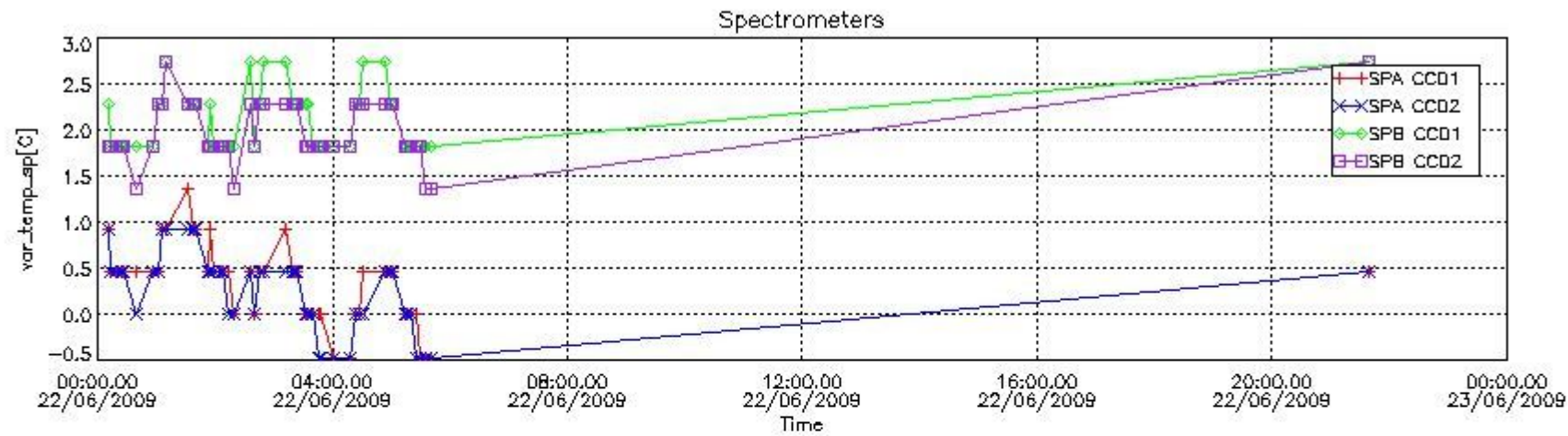
22-JUN-2009 10:06:31	AlpPav	45	38224
22-JUN-2009 10:22:15	35EtaOph	86	38224
22-JUN-2009 10:35:57	40ZetHer	133	38224
22-JUN-2009 11:02:55	23GamPer	160	38224
22-JUN-2009 11:17:22	92AlpCet	94	38224
22-JUN-2009 12:02:51	35EtaOph	86	38225
22-JUN-2009 12:16:33	40ZetHer	133	38225
22-JUN-2009 12:43:30	23GamPer	160	38225
22-JUN-2009 12:57:59	92AlpCet	94	38225
22-JUN-2009 13:43:27	35EtaOph	86	38226
22-JUN-2009 13:57:09	40ZetHer	133	38226
22-JUN-2009 14:24:06	23GamPer	160	38226
22-JUN-2009 14:38:35	92AlpCet	94	38226
22-JUN-2009 15:08:20	AlpPav	45	38227
22-JUN-2009 15:24:03	35EtaOph	86	38227
22-JUN-2009 15:37:45	40ZetHer	133	38227
22-JUN-2009 16:19:11	92AlpCet	94	38227
22-JUN-2009 17:04:39	35EtaOph	86	38228
22-JUN-2009 17:18:21	40ZetHer	133	38228
22-JUN-2009 17:48:44	57Gam1And	73	38228
22-JUN-2009 20:19:25	20EpsSgr	38	38230
22-JUN-2009 20:20:51	19DelSgr	116	38230
22-JUN-2009 20:22:07	22LamSgr	137	38230
22-JUN-2009 20:31:55	60BetOph	126	38230
22-JUN-2009 20:34:20	55AlpOph	59	38230
22-JUN-2009 20:39:32	40ZetHer	133	38230
22-JUN-2009 20:45:59	23BetDra	130	38230
22-JUN-2009 21:03:17	27GamCas	76	38230
22-JUN-2009 21:06:30	23GamPer	160	38230
22-JUN-2009 21:09:56	57Gam1And	73	38230
22-JUN-2009 21:12:20	4BetTri	173	38230
22-JUN-2009 21:16:10	13AlpAri	50	38230
22-JUN-2009 21:21:00	92AlpCet	94	38230
22-JUN-2009 21:50:46	AlpPav	45	38231
22-JUN-2009 22:20:08	40ZetHer	133	38231
22-JUN-2009 23:01:36	92AlpCet	94	38231

2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20090622_001212_000000282080_00088_38218_7420.N1	22-JUN-2009 00:12:12	Twilight	28.000	38	20Eps Sgr	1.8360	11000.	56	38218	No
2	GOM_TRA_1PNPDE20090622_001338_000000292080_00088_38218_7421.N1	22-JUN-2009 00:13:38	Twilight	28.500	116	19Del Sgr	2.7000	4100.0	57	38218	No
3	GOM_TRA_1PNPDE20090622_001840_000000262080_00088_38218_7422.N1	22-JUN-2009 00:18:40	Twilight	25.500	86	35Eta Oph	2.4300	10200.	51	38218	No
4	GOM_TRA_1PNPDE20090622_002447_000000292080_00088_38218_7423.N1	22-JUN-2009 00:24:47	Bright	29.000	126	60Bet Oph	2.7700	4250.0	58	38218	No
5	GOM_TRA_1PNPDE20090622_002712_000000292080_00088_38218_7424.N1	22-JUN-2009 00:27:12	Bright	29.000	59	55Alp Oph	2.0800	8900.0	58	38218	No
6	GOM_TRA_1PNPDE20090622_003854_000000282080_00088_38218_7425.N1	22-JUN-2009 00:38:54	Bright	28.000	130	23Bet Dra	2.7990	5800.0	56	38218	No
7	GOM_TRA_1PNPDE20090622_005611_000000252080_00088_38218_7426.N1	22-JUN-2009 00:56:11	Twilight	25.000	76	27Gam Cas	2.3000	30000.	50	38218	No
8	GOM_TRA_1PNPDE20090622_010247_000000232080_00088_38218_7427.N1	22-JUN-2009 01:02:47	Twilight	23.000	73	57Gam1And	2.2600	13100.	46	38218	No
9	GOM_TRA_1PNPDE20090622_010510_000000232080_00088_38218_7428.N1	22-JUN-2009 01:05:10	Twilight	22.500	173	4Bet Tri	3.0040	8900.0	45	38218	No
10	GOM_TRA_1PNPDE20090622_010858_000000232080_00088_38218_7429.N1	22-JUN-2009 01:08:58	Twilight	23.000	50	13Alp Ari	2.0070	4250.0	46	38218	No
11	GOM_TRA_1PNPDE20090622_013147_000000322080_00088_38218_7550.N1	22-JUN-2009 01:31:47	Dark	31.500	84	Alp Phe	2.3970	4500.0	63	38218	No
12	GOM_TRA_1PNPDE20090622_013813_000000352080_00089_38219_7551.N1	22-JUN-2009 01:38:13	Dark	35.000	63	Bet Gru	2.1500	2800.0	70	38219	No
13	GOM_TRA_1PNPDE20090622_014015_000000352080_00089_38219_7552.N1	22-JUN-2009 01:40:15	Straylight	35.000	31	Alp Gru	1.7340	15200.	70	38219	No
14	GOM_TRA_1PNPDE20090622_015248_000000282080_00089_38219_7553.N1	22-JUN-2009 01:52:48	Twilight	28.000	38	20Eps Sgr	1.8360	11000.	56	38219	No
15	GOM_TRA_1PNPDE20090622_015414_000000282080_00089_38219_7554.N1	22-JUN-2009 01:54:14	Twilight	28.000	116	19Del Sgr	2.7000	4100.0	56	38219	No
16	GOM_TRA_1PNPDE20090622_015916_000000262080_00089_38219_7555.N1	22-JUN-2009 01:59:16	Twilight	25.500	86	35Eta Oph	2.4300	10200.	51	38219	No
17	GOM_TRA_1PNPDE20090622_020522_000000292080_00089_38219_7556.N1	22-JUN-2009 02:05:22	Twilight	29.000	126	60Bet Oph	2.7700	4250.0	58	38219	No
18	GOM_TRA_1PNPDE20090622_020748_000000292080_00089_38219_7557.N1	22-JUN-2009 02:07:48	Bright	29.000	59	55Alp Oph	2.0800	8900.0	58	38219	No

19	GOM_TRA_1PNPDE20090622_021300_000000262080_00089_38219_7558.N1	22-JUN-2009 02:13:00	Bright	26.000	133	40Zet Her	2.8070	6000.0	52	38219	No
20	GOM_TRA_1PNPDE20090622_021929_000000282080_00089_38219_7559.N1	22-JUN-2009 02:19:29	Bright	28.000	130	23Bet Dra	2.7990	5800.0	56	38219	No
21	GOM_TRA_1PNPDE20090622_023646_000000262080_00089_38219_7698.N1	22-JUN-2009 02:36:46	Twilight	25.500	76	27Gam Cas	2.3000	30000.	51	38219	No
22	GOM_TRA_1PNPDE20090622_023957_000000212080_00089_38219_7699.N1	22-JUN-2009 02:39:57	Twilight	21.000	160	23Gam Per	2.9300	4700.0	42	38219	No
23	GOM_TRA_1PNPDE20090622_024546_000000232080_00089_38219_7700.N1	22-JUN-2009 02:45:46	Twilight	23.000	173	4Bet Tri	3.0040	8900.0	46	38219	No
24	GOM_TRA_1PNPDE20090622_024934_000000242080_00089_38219_7701.N1	22-JUN-2009 02:49:34	Twilight	23.500	50	13Alp Ari	2.0070	4250.0	47	38219	No
25	GOM_TRA_1PNPDE20090622_031224_000000322080_00089_38219_7702.N1	22-JUN-2009 03:12:24	Dark	31.500	84	Alp Phe	2.3970	4500.0	63	38219	No
26	GOM_TRA_1PNPDE20090622_031850_000000352080_00090_38220_7703.N1	22-JUN-2009 03:18:50	Dark	34.500	63	Bet Gru	2.1500	2800.0	69	38220	No
27	GOM_TRA_1PNPDE20090622_032052_000000352080_00090_38220_7704.N1	22-JUN-2009 03:20:52	Straylight	34.500	31	Alp Gru	1.7340	15200.	69	38220	No
28	GOM_TRA_1PNPDE20090622_032407_000000292080_00090_38220_7705.N1	22-JUN-2009 03:24:07	Straylight	28.500	45	Alp Pav	1.9400	26000.	57	38220	No
29	GOM_TRA_1PNPDE20090622_033325_000000282080_00090_38220_7706.N1	22-JUN-2009 03:33:25	Twilight	27.500	38	20Eps Sgr	1.8360	11000.	55	38220	No
30	GOM_TRA_1PNPDE20090622_033450_000000292080_00090_38220_7707.N1	22-JUN-2009 03:34:50	Twilight	28.500	116	19Del Sgr	2.7000	4100.0	57	38220	No
31	GOM_TRA_1PNPDE20090622_033952_000000262080_00090_38220_7708.N1	22-JUN-2009 03:39:52	Twilight	25.500	86	35Eta Oph	2.4300	10200.	51	38220	No
32	GOM_TRA_1PNPDE20090622_034558_000000292080_00090_38220_7709.N1	22-JUN-2009 03:45:58	Twilight	28.500	126	60Bet Oph	2.7700	4250.0	57	38220	No
33	GOM_TRA_1PNPDE20090622_034824_000000292080_00090_38220_7710.N1	22-JUN-2009 03:48:24	Bright	29.000	59	55Alp Oph	2.0800	8900.0	58	38220	No
34	GOM_TRA_1PNPDE20090622_040005_000000282080_00090_38220_7711.N1	22-JUN-2009 04:00:05	Bright	27.500	130	23Bet Dra	2.7990	5800.0	55	38220	No
35	GOM_TRA_1PNPDE20090622_041722_000000252080_00090_38220_7902.N1	22-JUN-2009 04:17:22	Twilight	24.500	76	27Gam Cas	2.3000	30000.	49	38220	No
36	GOM_TRA_1PNPDE20090622_042358_000000232080_00090_38220_7903.N1	22-JUN-2009 04:23:58	Twilight	23.000	73	57Gam1And	2.2600	13100.	46	38220	No
37	GOM_TRA_1PNPDE20090622_042622_000000232080_00090_38220_7904.N1	22-JUN-2009 04:26:22	Twilight	22.500	173	4Bet Tri	3.0040	8900.0	45	38220	No
38	GOM_TRA_1PNPDE20090622_043010_000000242080_00090_38220_7905.N1	22-JUN-2009 04:30:10	Twilight	24.000	50	13Alp Ari	2.0070	4250.0	48	38220	No
39	GOM_TRA_1PNPDE20090622_045300_000000322080_00090_38220_7906.N1	22-JUN-2009 04:53:00	Dark	32.000	84	Alp Phe	2.3970	4500.0	64	38220	No
40	GOM_TRA_1PNPDE20090622_045927_000000352080_00091_38221_7907.N1	22-JUN-2009 04:59:27	Dark	34.500	63	Bet Gru	2.1500	2800.0	69	38221	No
41	GOM_TRA_1PNPDE20090622_050129_000000352080_00091_38221_7908.N1	22-JUN-2009 05:01:29	Straylight	34.500	31	Alp Gru	1.7340	15200.	69	38221	No
42	GOM_TRA_1PNPDE20090622_051401_000000282080_00091_38221_7909.N1	22-JUN-2009 05:14:01	Twilight	27.500	38	20Eps Sgr	1.8360	11000.	55	38221	No
43	GOM_TRA_1PNPDE20090622_051527_000000282080_00091_38221_7910.N1	22-JUN-2009 05:15:27	Twilight	28.000	116	19Del Sgr	2.7000	4100.0	56	38221	No
44	GOM_TRA_1PNPDE20090622_052029_000000262080_00091_38221_7911.N1	22-JUN-2009 05:20:29	Twilight	25.500	86	35Eta Oph	2.4300	10200.	51	38221	No
45	GOM_TRA_1PNPDE20090622_052634_000000292080_00091_38221_7912.N1	22-JUN-2009 05:26:34	Bright	29.000	126	60Bet Oph	2.7700	4250.0	58	38221	No
46	GOM_TRA_1PNPDE20090622_052900_000000292080_00091_38221_7913.N1	22-JUN-2009 05:29:00	Bright	28.500	59	55Alp Oph	2.0800	8900.0	57	38221	No
47	GOM_TRA_1PNPDE20090622_053412_000000272080_00091_38221_7914.N1	22-JUN-2009 05:34:12	Bright	26.500	133	40Zet Her	2.8070	6000.0	53	38221	No
48	GOM_TRA_1PNPDE20090622_054041_000000282080_00091_38221_7915.N1	22-JUN-2009 05:40:41	Bright	27.500	130	23Bet Dra	2.7990	5800.0	55	38221	No
49	GOM_TRA_1PNPDE20090622_213909_000000322080_00100_38230_8377.N1	22-JUN-2009 21:39:09	Dark	32.000	84	Alp Phe	2.3970	4500.0	64	38230	No

3. Plot of GOMOS spectrometers and photometers temperatures from level 1b data



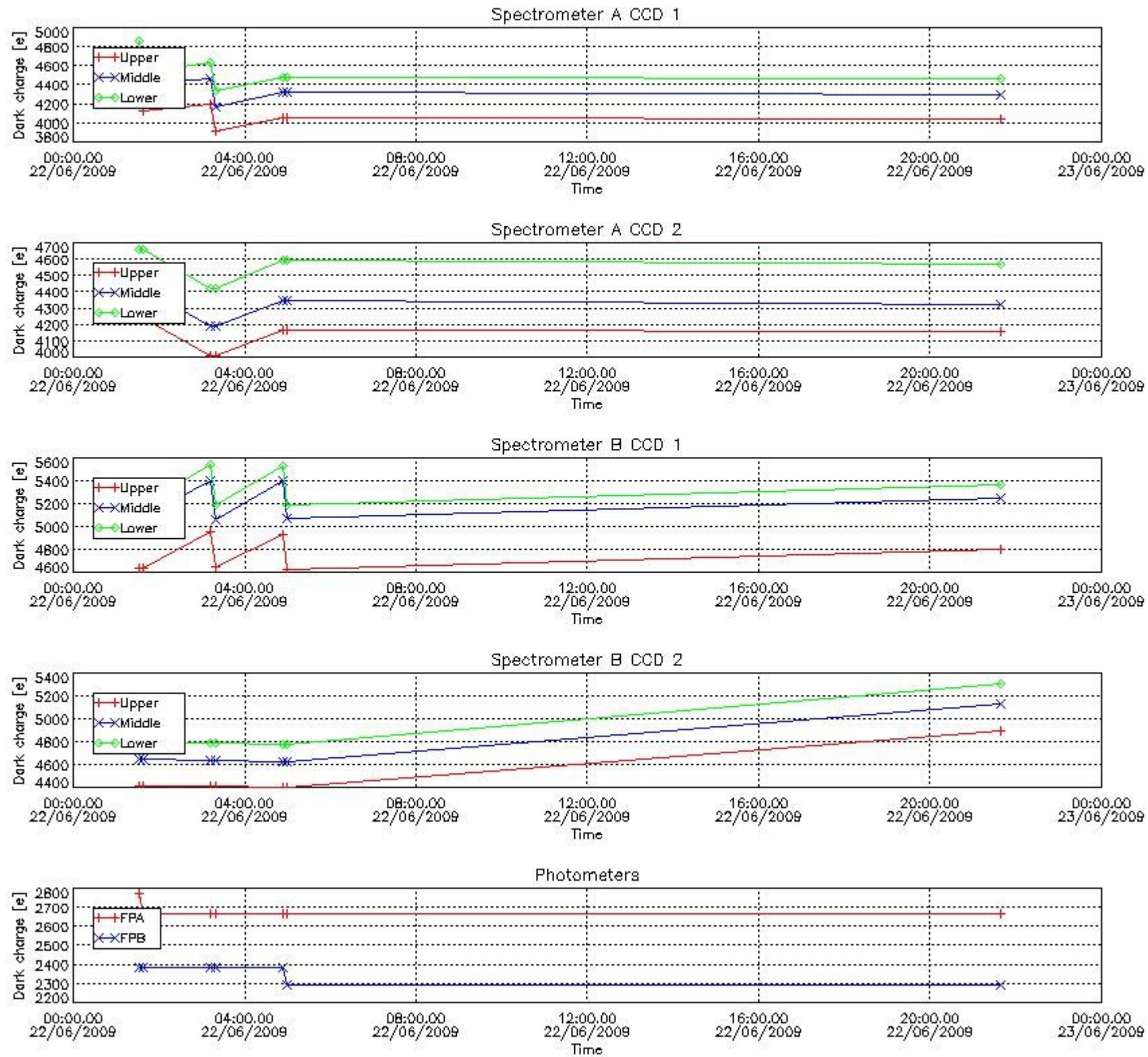
4. Overview of dark signal processing per product

The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount its value measured on ground at the same temperature) and the "Random Telegraphic Signal" (abrupt change positive or negative of the CCD pixel signal, random in time, affecting only the DC part of the signal and not the photon generated signal).

In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

4.1 All products used the DSA observation for the DC computation

4.2 Plot of mean dark charges per product: only products in DARK limb conditions without errors are used



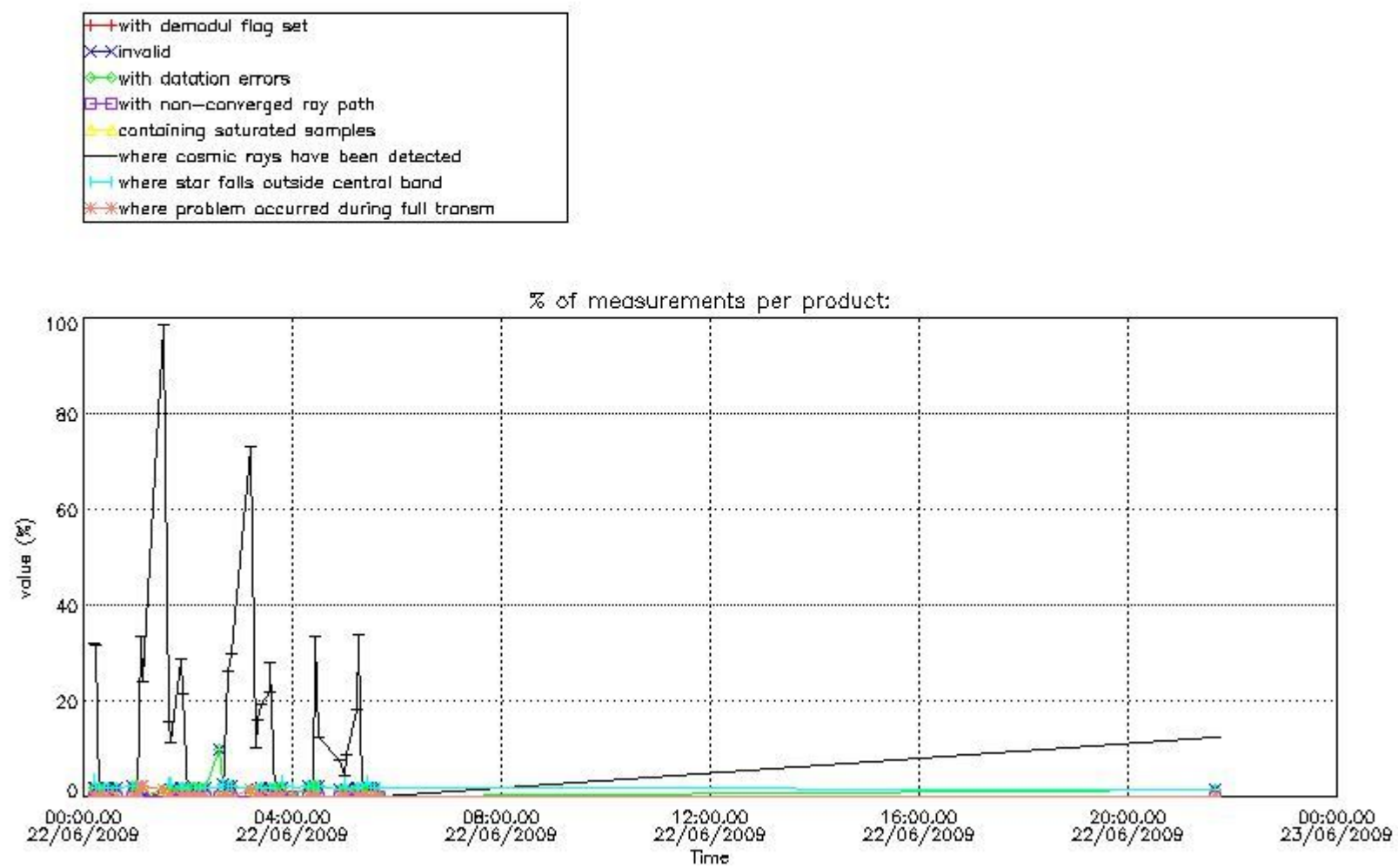
5. Demodulation flag and quality information monitoring

In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

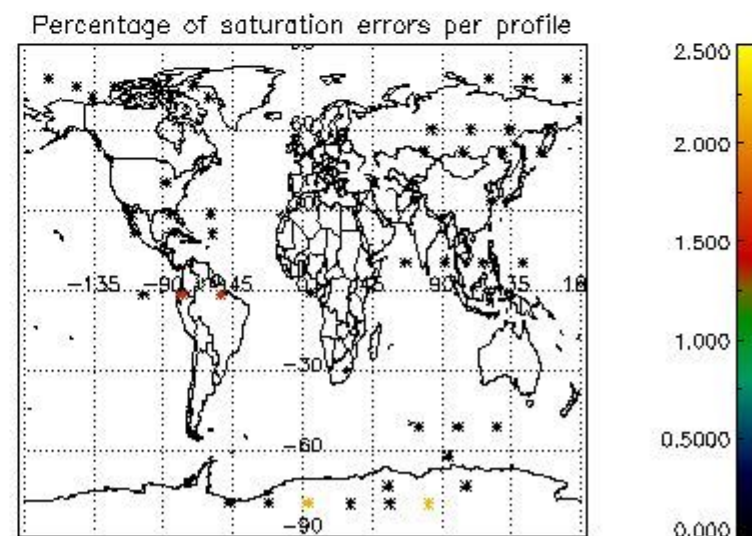
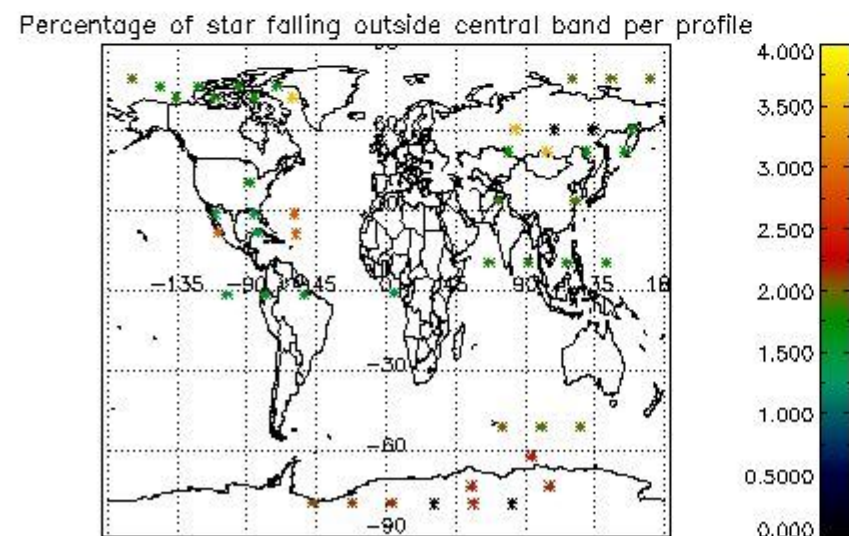
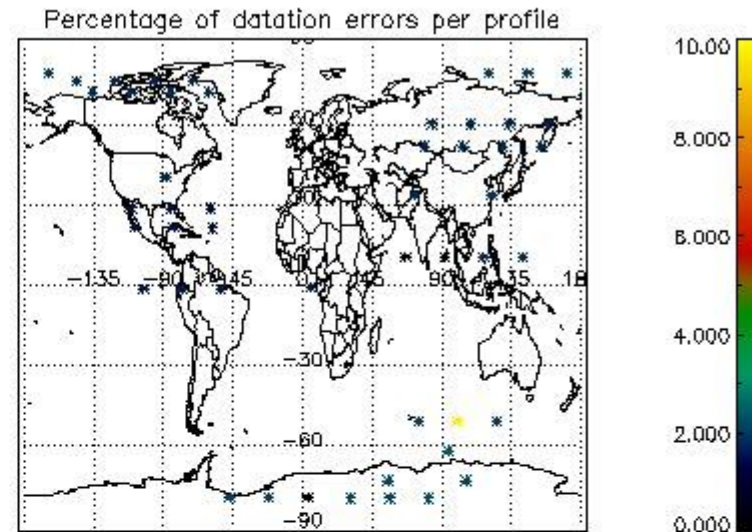
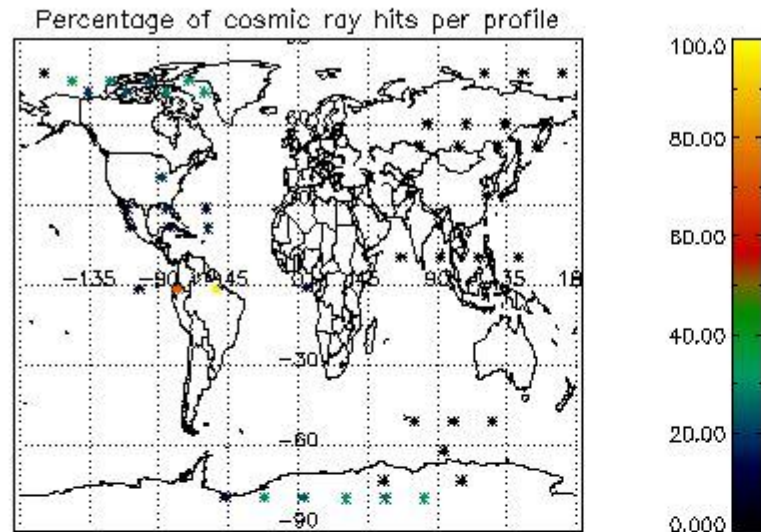
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	36.7347 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



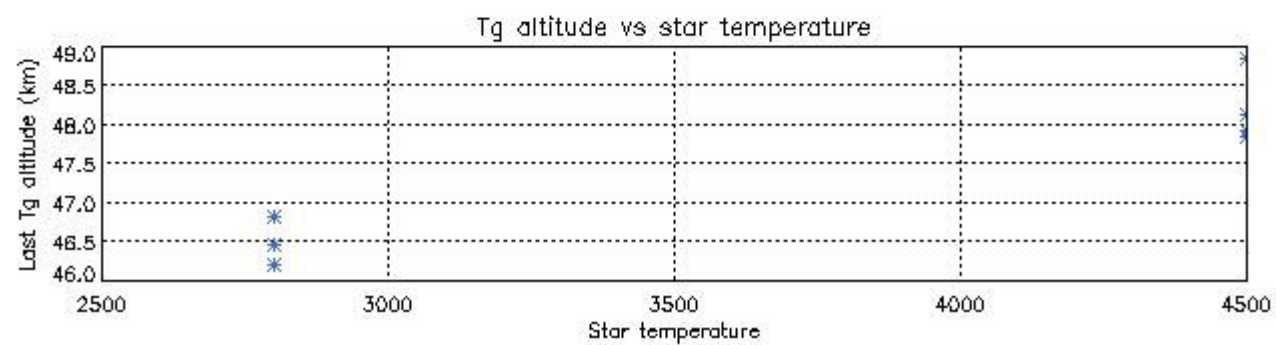
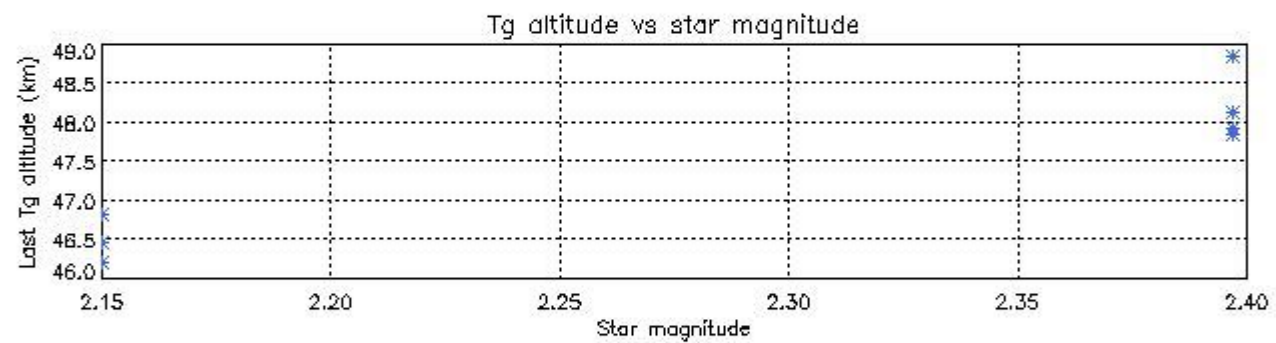
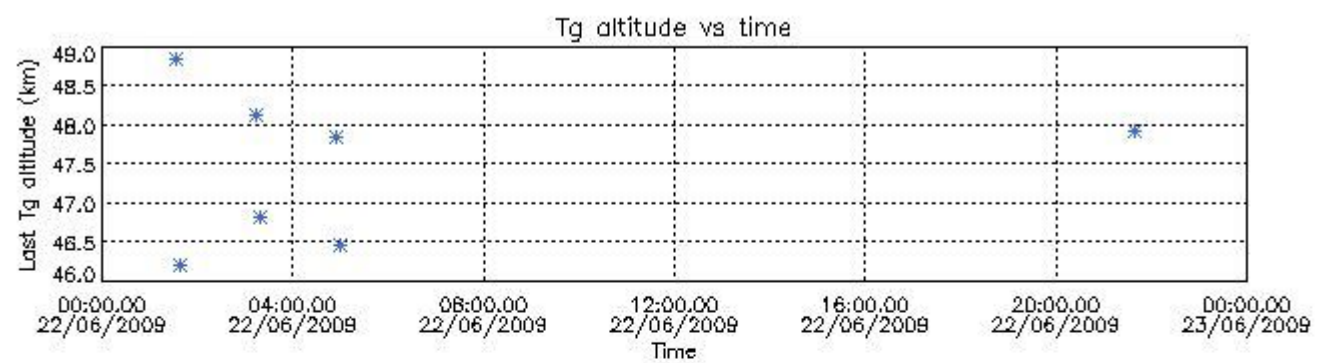
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	47.464	49.249	67.156
St. deviation:	0.98009	0.75022	0.75167
Maximum:	48.858	50.419	67.985
Minimum:	46.201	47.855	66.519
Number of data:	7.0000	12.000	3.0000

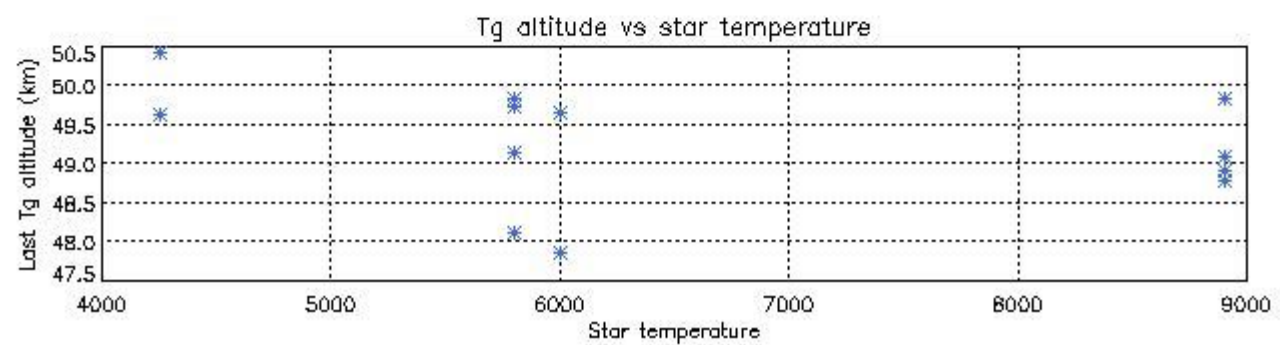
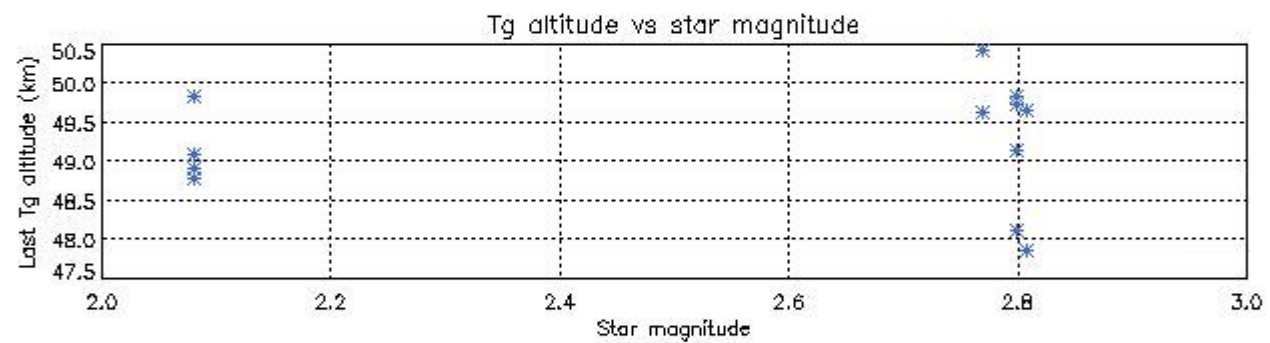
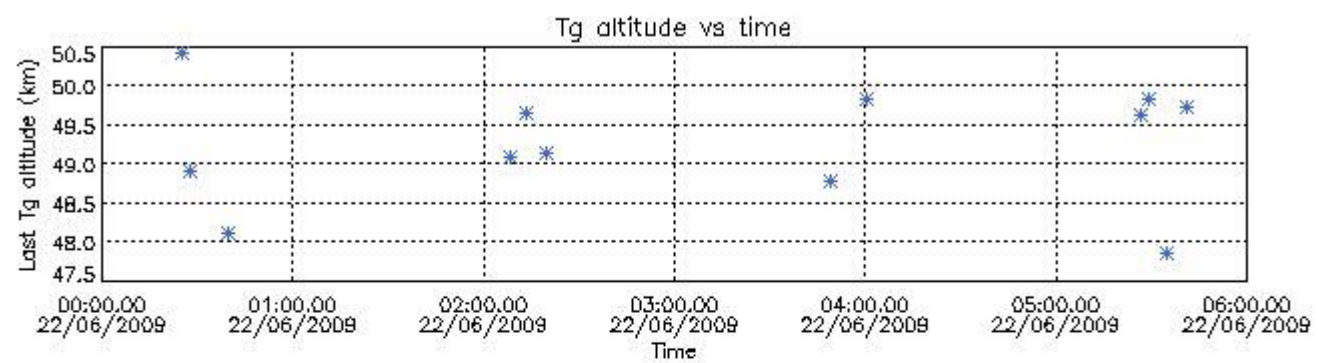
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



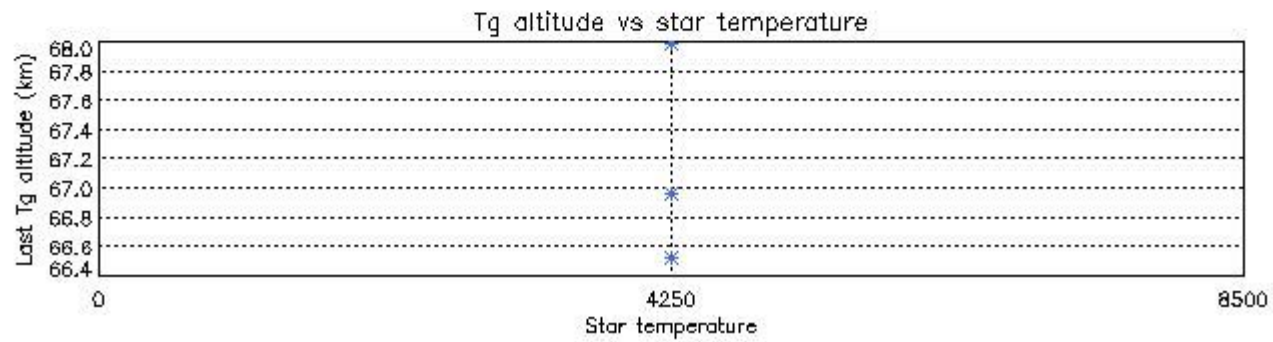
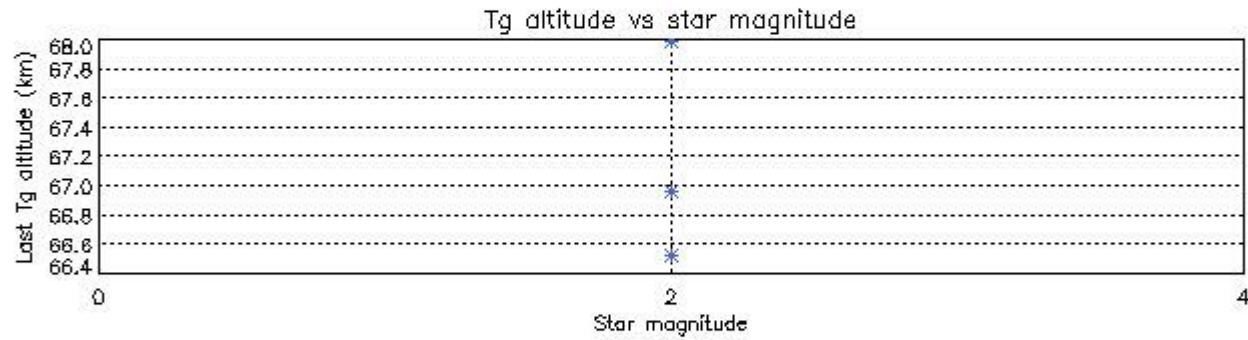
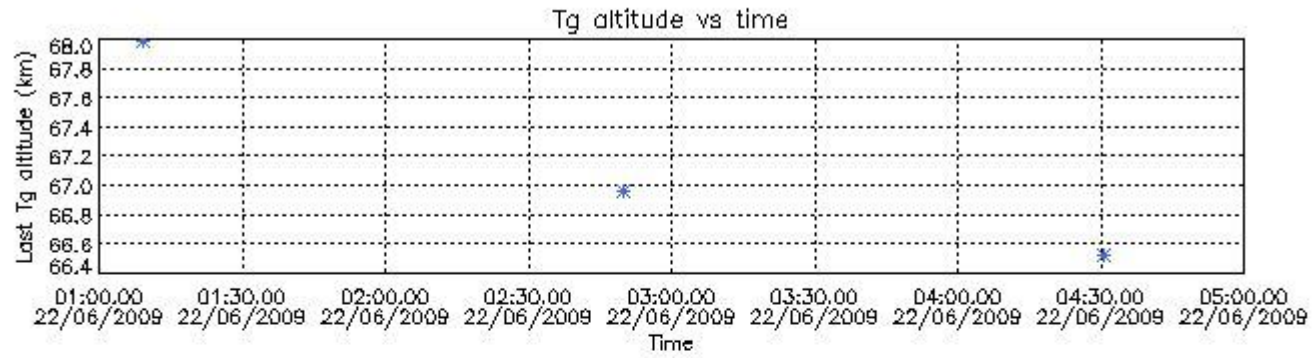
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

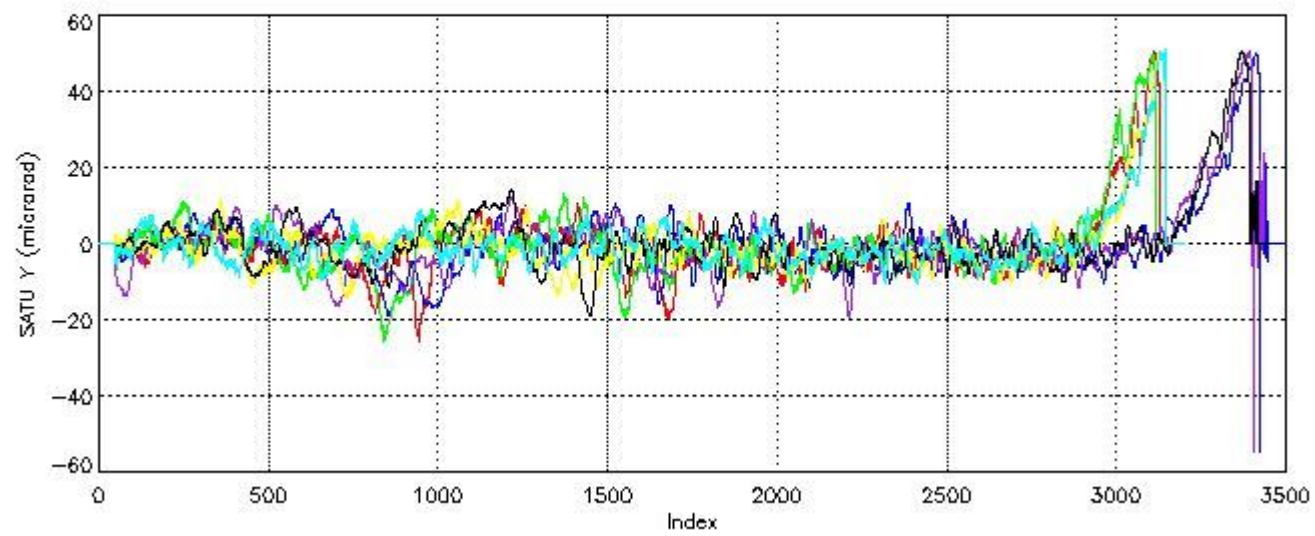
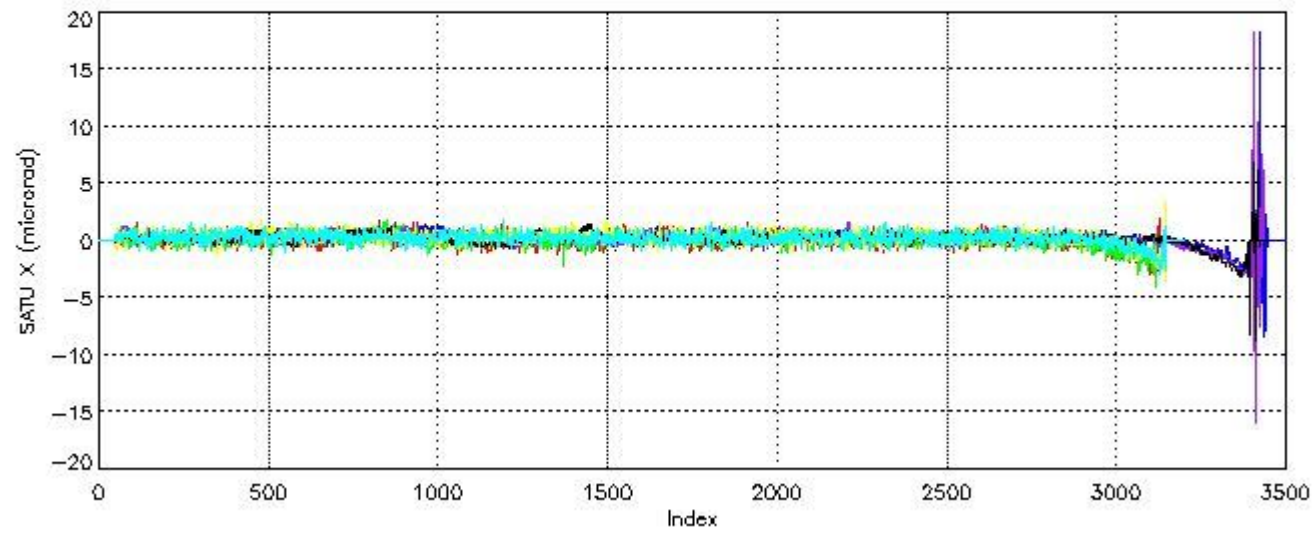


7. Star Acquisition and Tracking Unit (SATU)

The Star Acquisition and Tracking Unit (SATU) analyses the position of the tracked star beam collected by the GOMOS telescope and deflected by the optical beam dispatcher. The main function of the SATU is to detect a star, provide its image position to the science data electronics and to help the pointing function to keep the star image at a fixed position. In tracking mode the SATU data is recorded with a frequency of 100 Hz.

7.1 SATU 'X' and 'Y' axis plots (dark limb)

SATU CCD 'X' and 'Y' axis plots are provided in order to detect any abnormal behaviour of the tracking system. For every occultation (color) the plot should remain stable (with some noise) until we are deep in the atmosphere where big fluctuations are registered due to the refractive effects.



7.2 Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere. Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.27317	-1.3151	0.27371	-0.63069
St. deviation:	0.38697	5.4294	0.80896	5.3863
Maximum:	1.8000	11.700	3.5000	22.700
Minimum:	-1.3000	-25.700	-3.6000	-24.300

Number of data:	7650.0	7650.0	10800.	10800.
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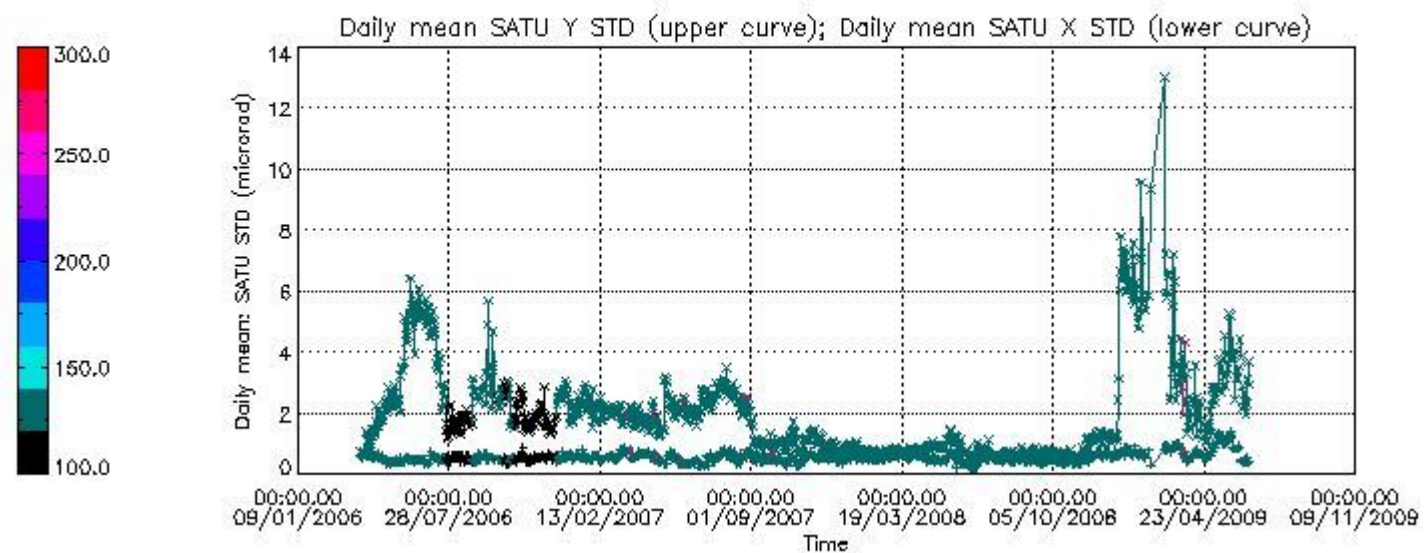
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

The long term trend of the SATU 'X' and 'Y' standard deviations should be constant during the whole mission.

The colorbar represents the start tangent altitude (km) of the occultations.

Upper curve: STD of SATU Y axis

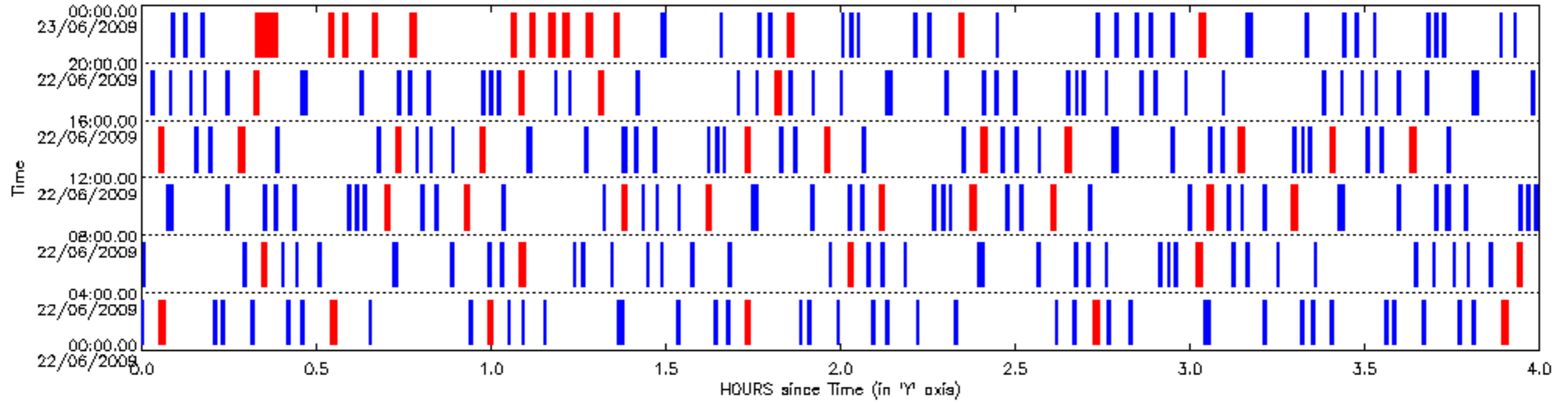
Lower curve: STD of SATU X axis

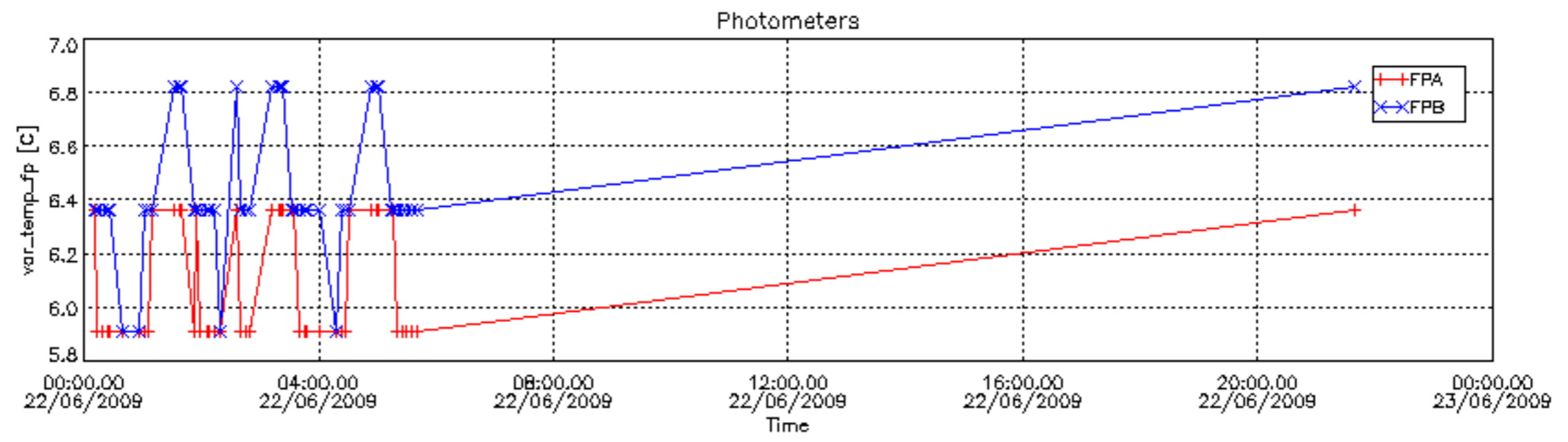
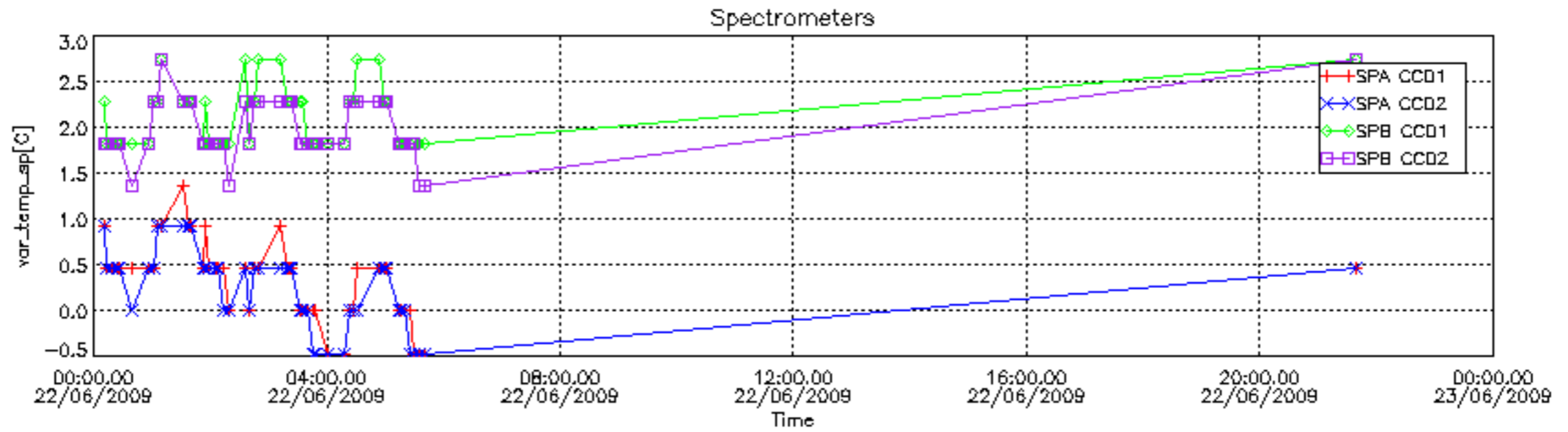


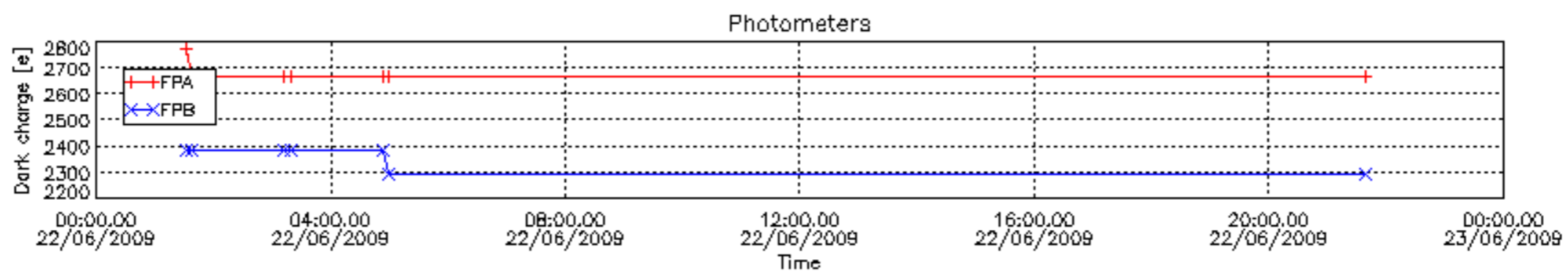
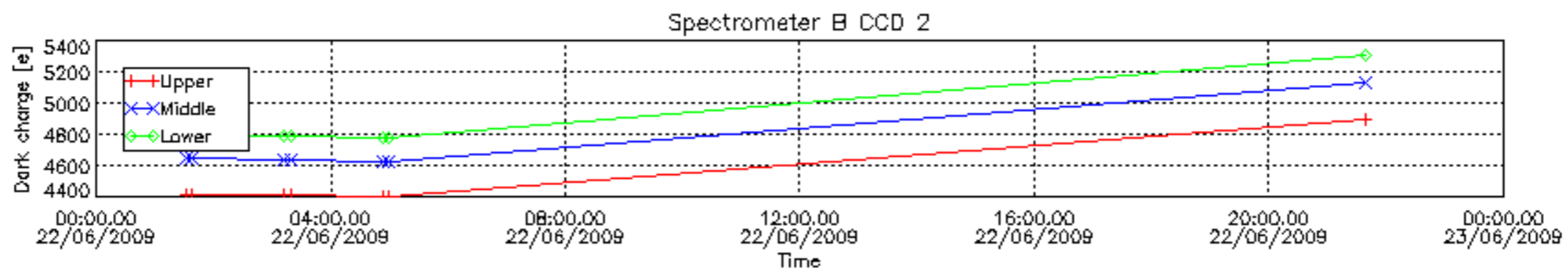
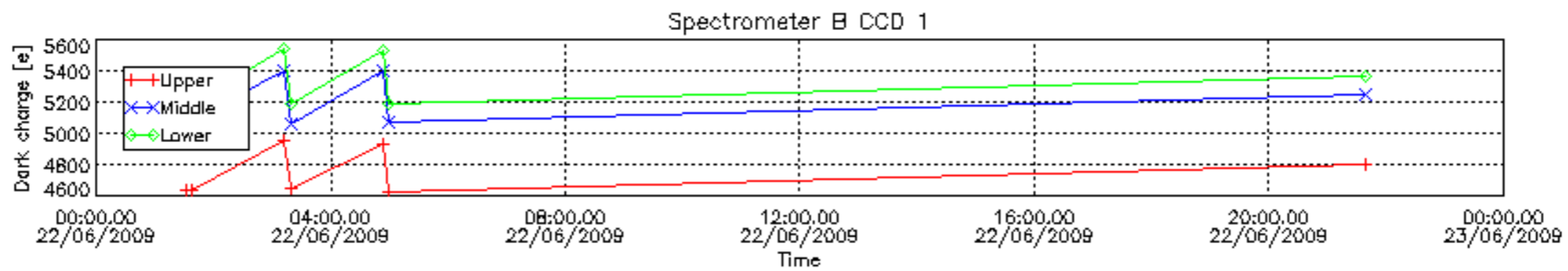
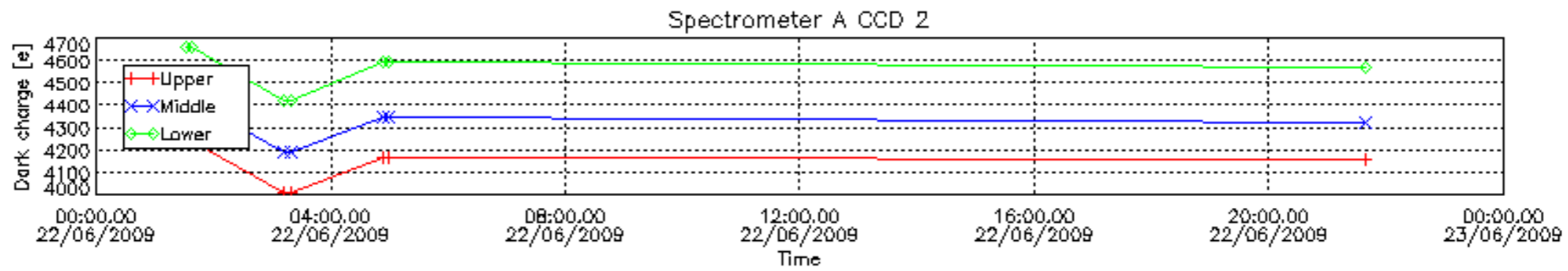
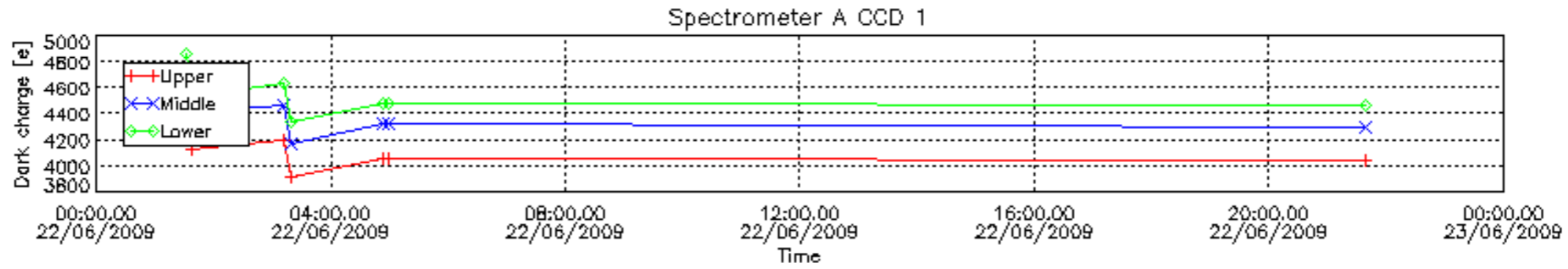
8. Auxiliary Data Files used for the production reported in section 2.4

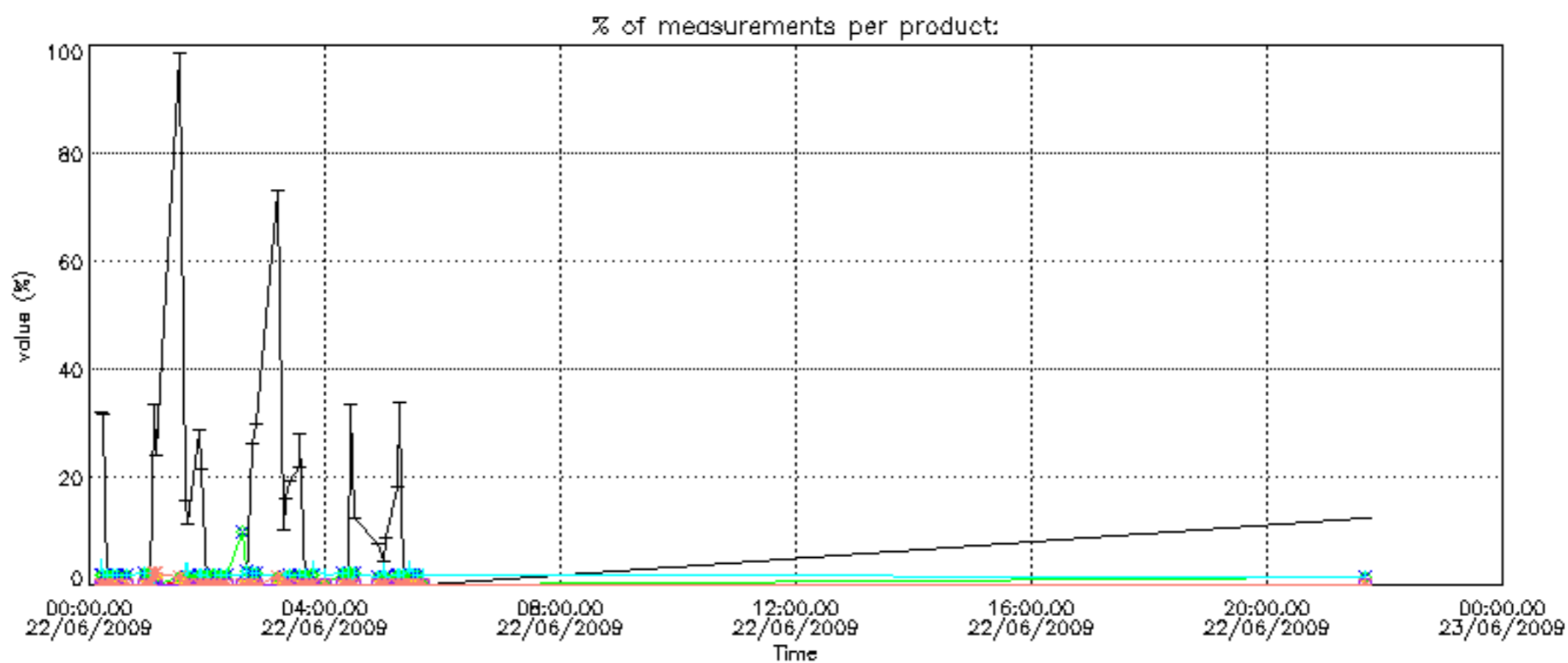
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
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LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	22-JUN-2009 00:12:12
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	22-JUN-2009 00:12:12
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	22-JUN-2009 00:12:12
ECMWF_FILE	AUX_ECF_AXNECM20090621_080114_20090621_210000_20090622_090000	1	22-JUN-2009 00:12:12
ECMWF_FILE	AUX_ECF_AXNECM20090621_190115_20090622_030000_20090622_150000	35	22-JUN-2009 04:17:22
ECMWF_FILE	AUX_ECF_AXNECM20090622_064112_20090622_210000_20090623_090000	49	22-JUN-2009 21:39:09
OPTIONAL_ECMWF_FILE	MISSING	1	22-JUN-2009 00:12:12
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ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090621_233441_000057382080_00087_38217_8201.N1	11	22-JUN-2009 01:31:47
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090622_011538_000044632080_00088_38218_8202.N1	21	22-JUN-2009 02:36:46
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090622_023520_000054192080_00089_38219_8203.N1	35	22-JUN-2009 04:17:22
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090622_212143_000060572080_00100_38230_8205.N1	49	22-JUN-2009 21:39:09

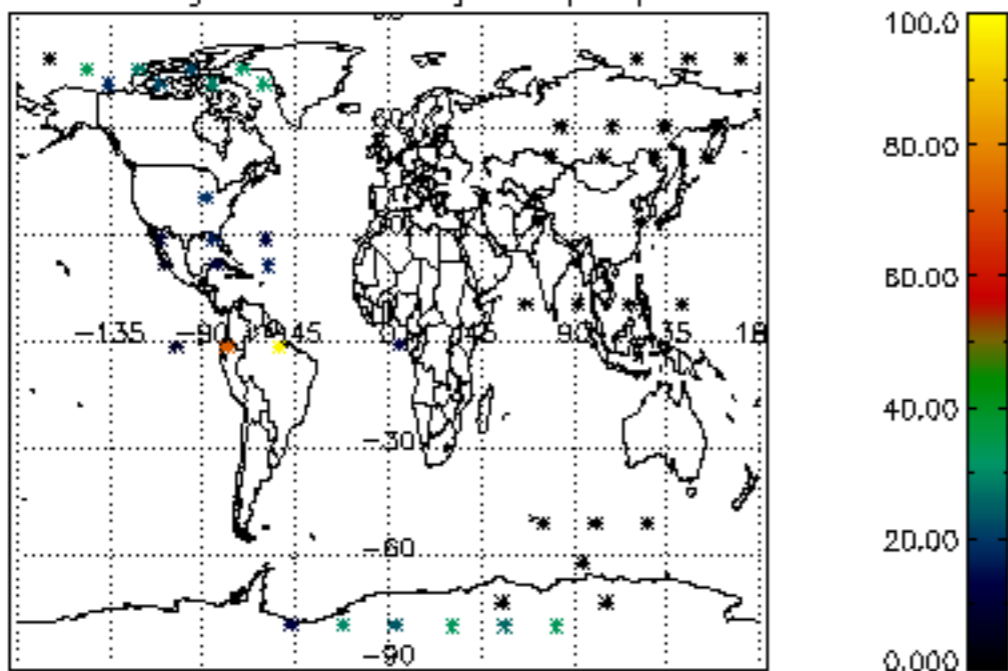




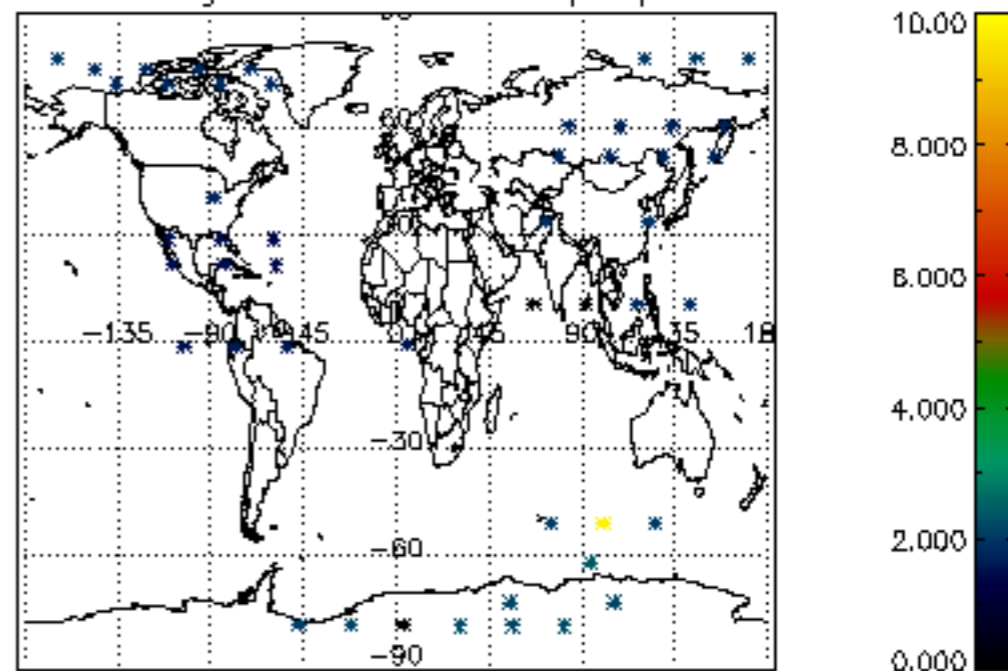




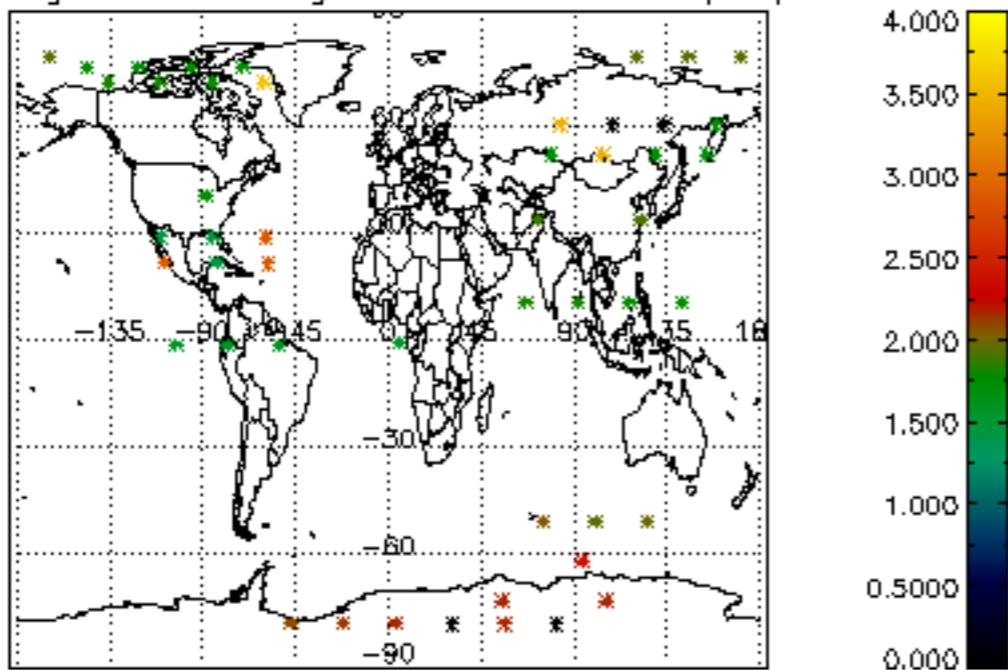
Percentage of cosmic ray hits per profile



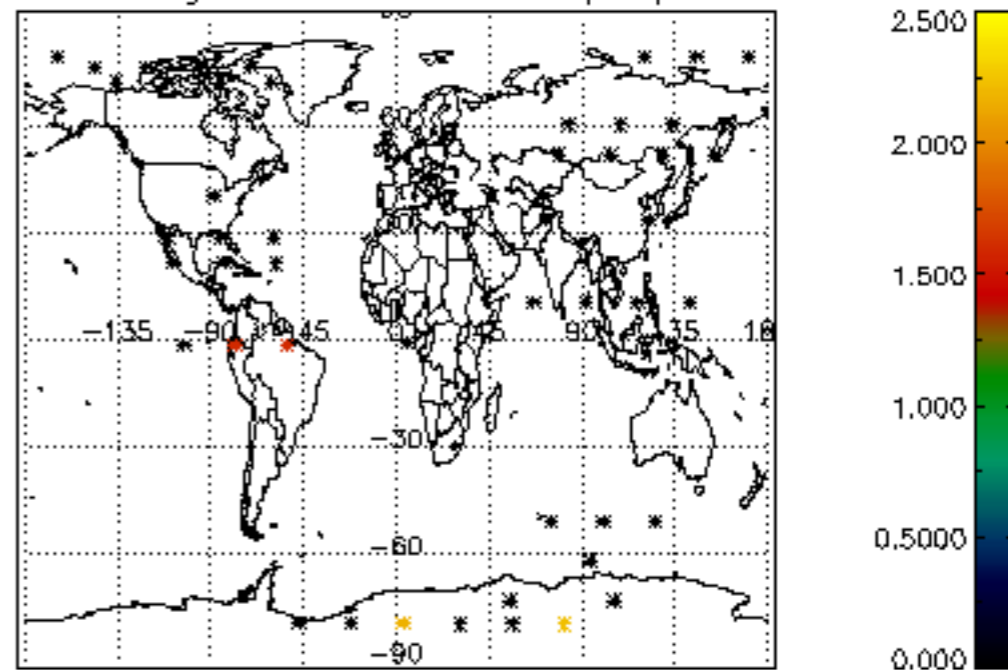
Percentage of datation errors per profile



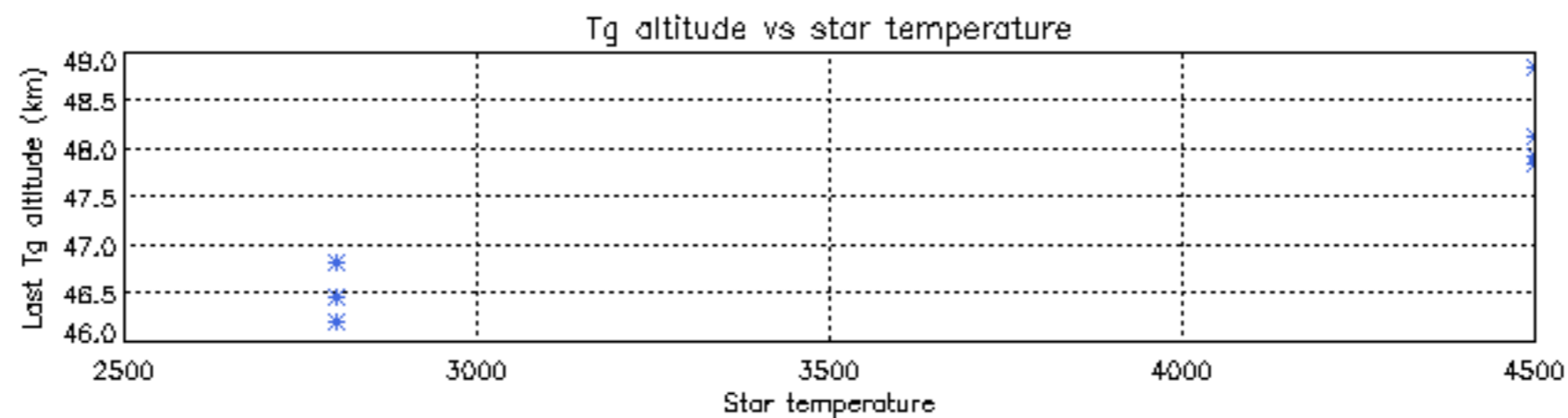
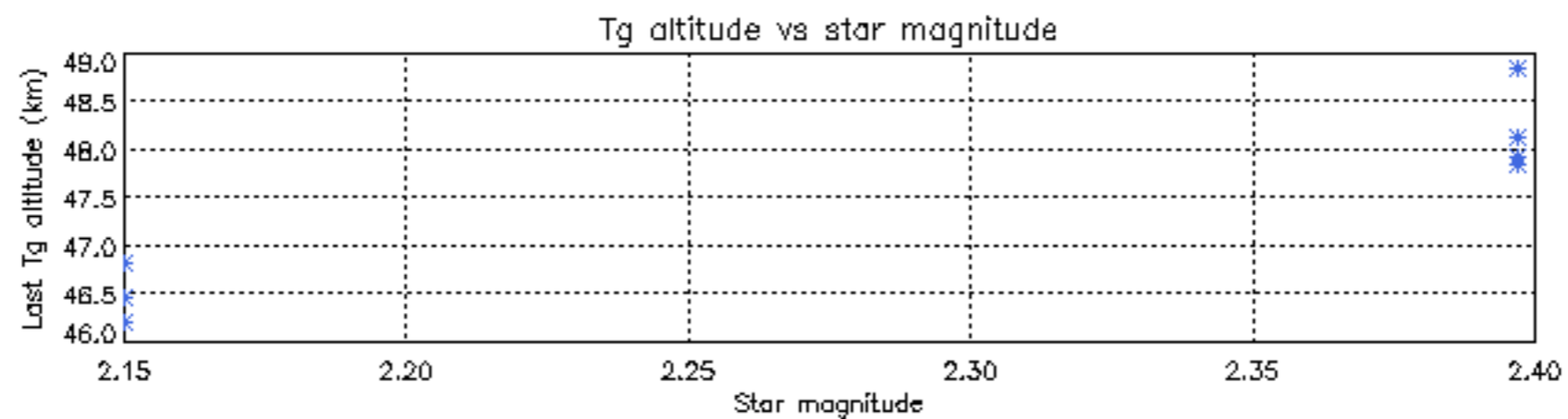
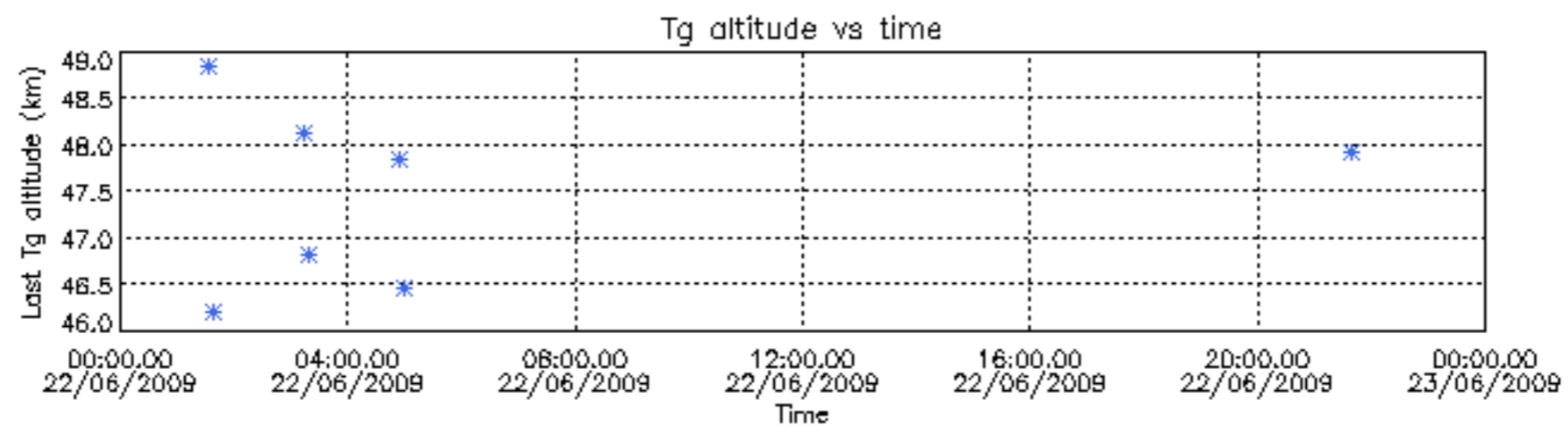
Percentage of star falling outside central band per profile



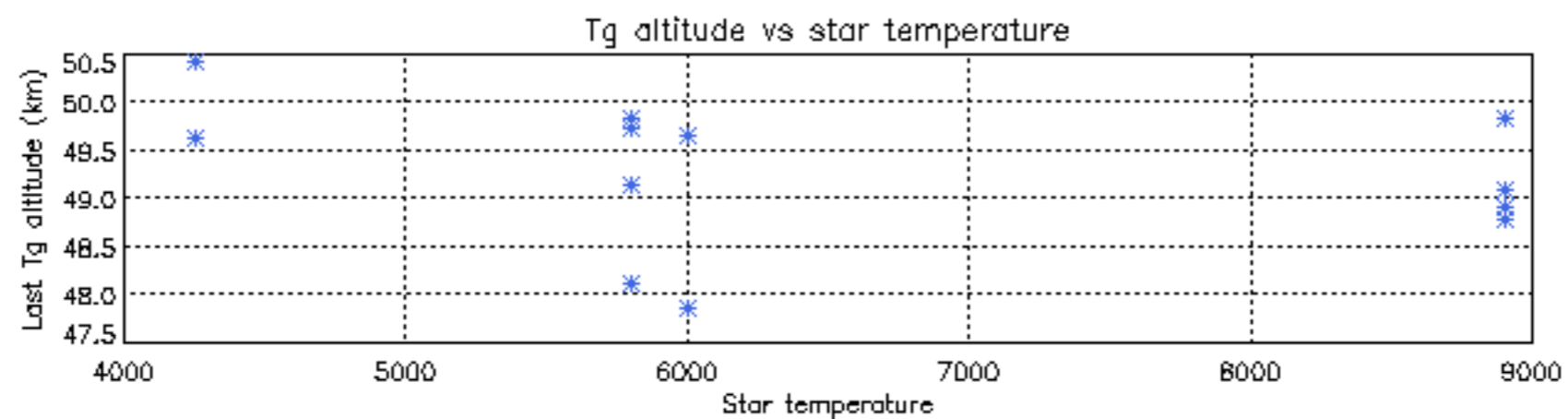
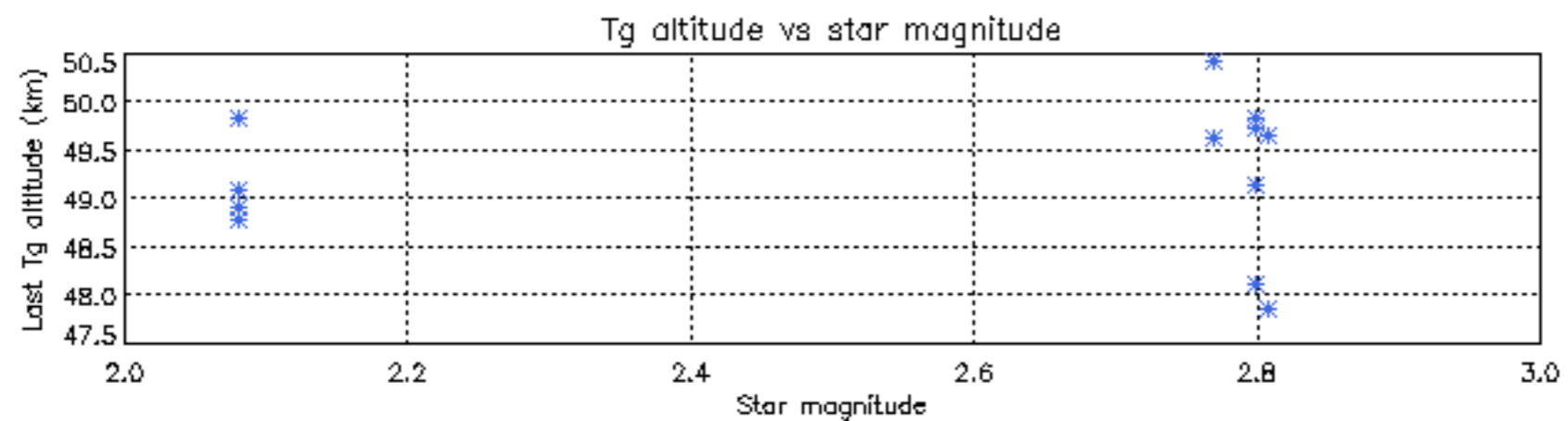
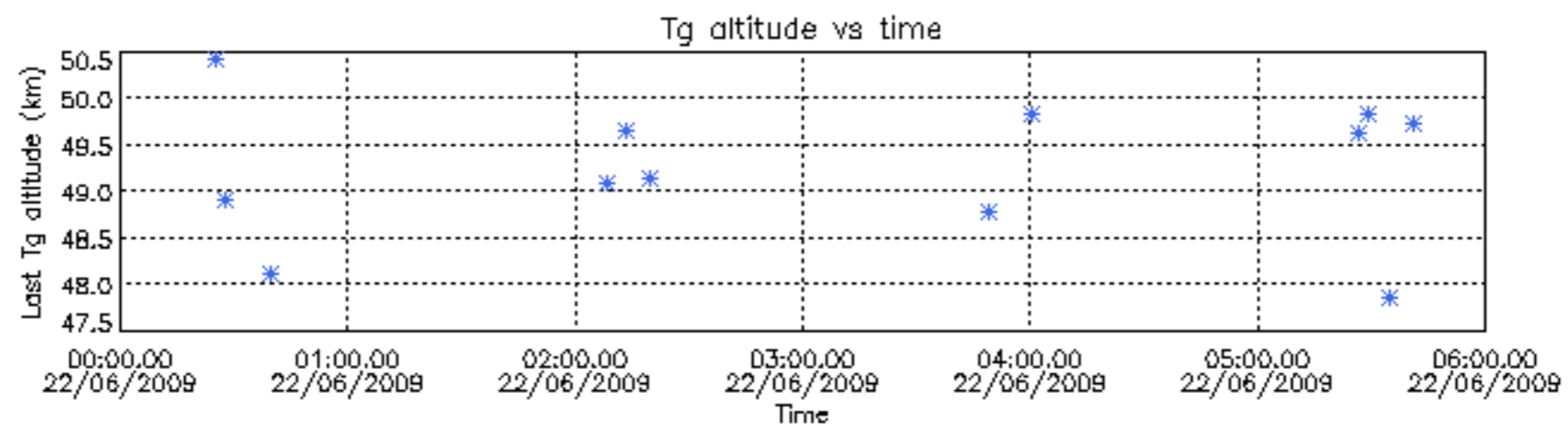
Percentage of saturation errors per profile



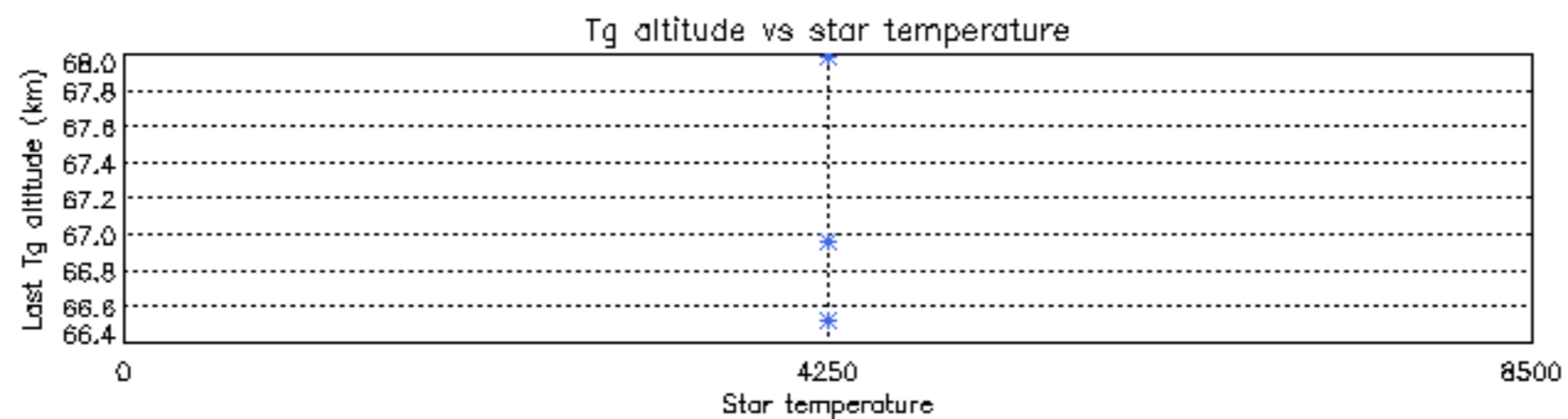
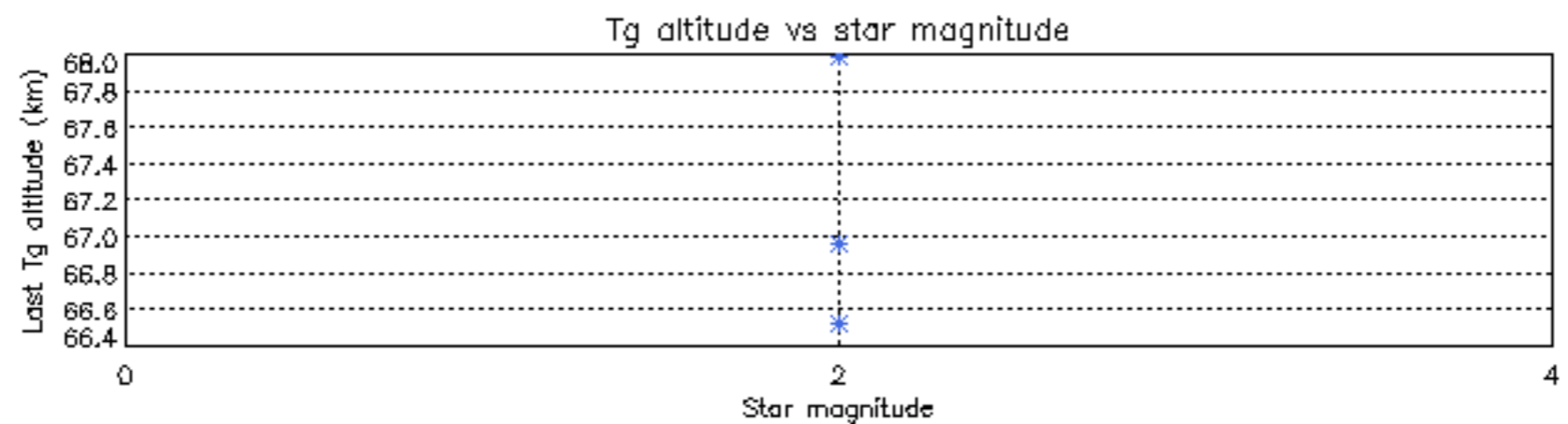
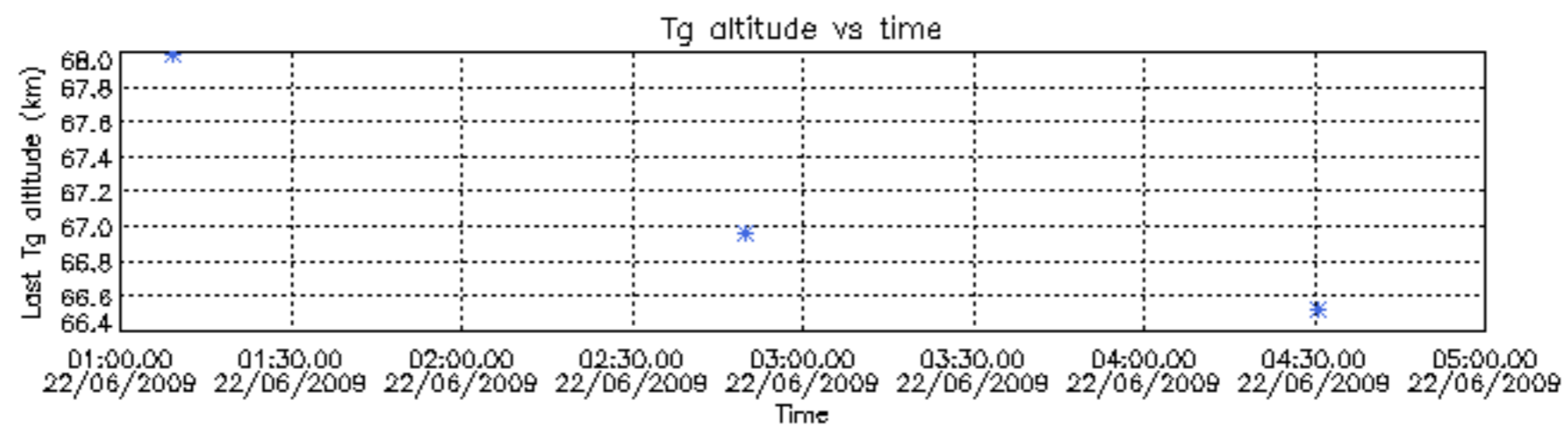
Tangent altitude at which the star is lost

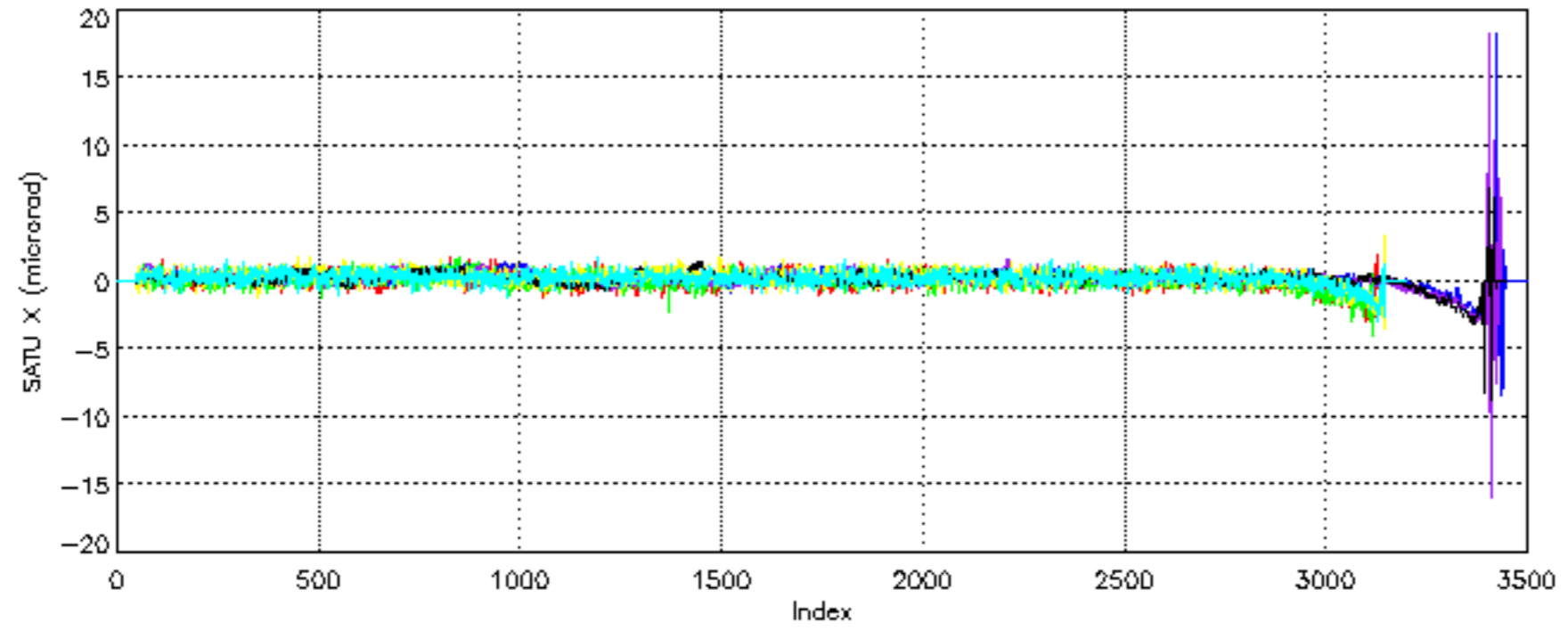


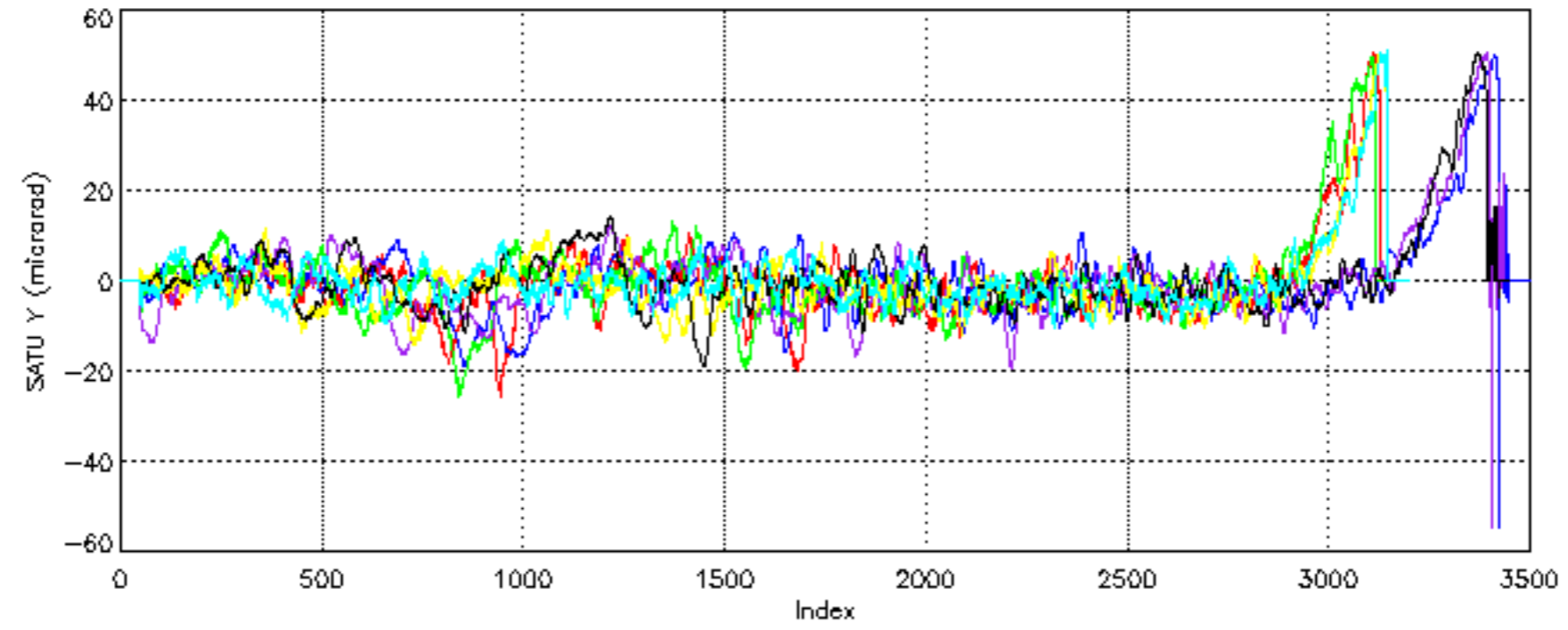
Tangent altitude at which the star is lost

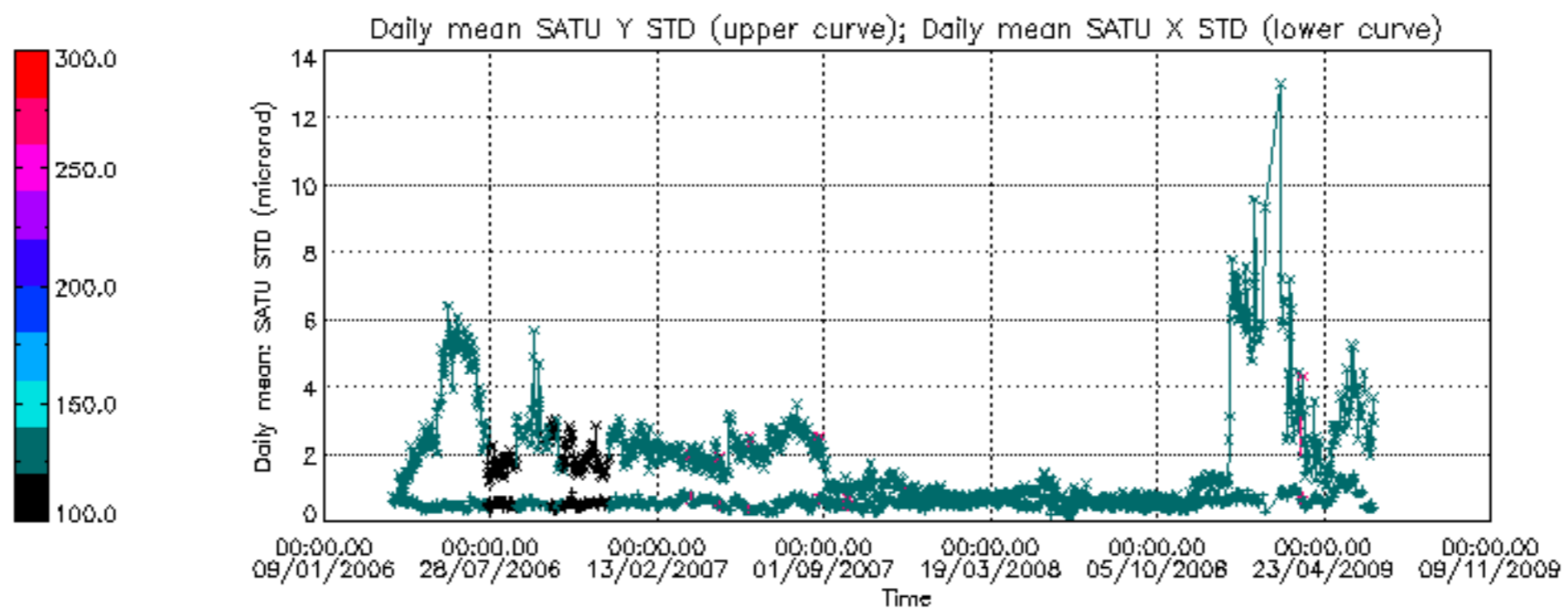


Tangent altitude at which the star is lost









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6; 1593.8; 02-JUN-2009 22:34:40; Bright; 30.5; 86; 35Eta Oph ; 2.43; 10200;occ; 61; 0;37945
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9; 2959.1; 03-JUN-2009 00:38:02; Bright; 32.0; 130; 23Bet Dra ; 2.80; 5800;occ; 64; 0;37946
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3; 2965.4; 02-JUN-2009 07:52:09; Bright; 32.5; 130; 23Bet Dra ; 2.80; 5800;occ; 65; 0;37936
4; 3617.7; 02-JUN-2009 08:03:01; Bright; 31.0; 89; 5Alp Cep ; 2.45; 8000;occ; 62; 0;37936
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4; 3617.1; 02-JUN-2009 09:43:36; Bright; 31.0; 89; 5Alp Cep ; 2.45; 8000;occ; 62; 0;37937
5; 3929.7; 02-JUN-2009 09:48:49; Bright; 25.0; 74; 11Bet Cas ; 2.27; 6600;occ; 50; 0;37937
6; 4863.4; 02-JUN-2009 10:04:23; Dark ; 29.5; 140; 88Gam Peg ; 2.83; 26000;occ; 59; 0;37937
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8; 5940.4; 02-JUN-2009 10:22:20; Dark ; 39.0; 18; 24Alp PsA ; 1.17; 9700;occ; 78; 0;37937
9; 6245.1; 02-JUN-2009 10:27:24; Dark ; 34.0; 31; Alp Gru ; 1.73; 15200;occ; 68; 0;37937
10; 7153.0; 02-JUN-2009 10:42:32; Dark ; 34.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 68; 0;37937

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 5; 1270.4; 07-JUN-2009 01:24:37; Dark ; 39.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 78; 0;38004
 6; 1334.3; 07-JUN-2009 01:25:41; Dark ; 35.0; 137; 22Lam Sgr ; 2.82; 4400;occ; 70; 0;38004
 7; 1600.3; 07-JUN-2009 01:30:07; Bright; 28.5; 86; 35Eta Oph ; 2.43; 10200;occ; 57; 0;38004
 8; 2049.3; 07-JUN-2009 01:37:36; Bright; 37.0; 126; 60Bet Oph ; 2.77; 4250;occ; 74; 0;38004
 9; 2212.0; 07-JUN-2009 01:40:19; Bright; 36.5; 59; 55Alp Oph ; 2.08; 8900;occ; 73; 0;38004
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 11; 2925.8; 07-JUN-2009 01:52:12; Bright; 31.0; 130; 23Bet Dra ; 2.80; 5800;occ; 62; 0;38004
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 4; -1132.7; 07-JUN-2009 02:25:10; Dark ; 32.0; 140; 88Gam Peg ; 2.83; 26000;occ; 64; 0;38004

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 7; 273.5; 07-JUN-2009 02:48:36; Dark ; 34.0; 31; Alp Gru ; 1.73; 15200;occ; 68; 0;38005
 8; 1152.1; 07-JUN-2009 03:03:15; Dark ; 32.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 64; 0;38005
 9; 1270.9; 07-JUN-2009 03:05:13; Dark ; 39.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 78; 0;38005
 10; 1334.3; 07-JUN-2009 03:06:17; Dark ; 35.5; 137; 22Lam Sgr ; 2.82; 4400;occ; 71; 0;38005
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 8; 1152.8; 07-JUN-2009 04:43:51; Dark ; 31.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 63; 0;38006
 9; 1271.4; 07-JUN-2009 04:45:50; Dark ; 39.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 78; 0;38006
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 12; 2210.8; 07-JUN-2009 05:01:29; Bright; 36.5; 59; 55Alp Oph ; 2.08; 8900;occ; 73; 0;38006
 13; 2490.9; 07-JUN-2009 05:06:09; Bright; 30.5; 133; 40Zet Her ; 2.81; 6000;occ; 61; 0;38006
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 6; 2487.9; 07-JUN-2009 20:11:30; Bright; 30.0; 133; 40Zet Her ; 2.81; 6000;occ; 60; 0;38015
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 9; 3911.9; 07-JUN-2009 20:35:14; Bright; 25.0; 74; 11Bet Cas ; 2.27; 6600;occ; 50; 0;38015
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13; 4402.7; 08-JUN-2009 00:04:37; Dark ; 24.0; 53; 43Bet And ; 2.05; 3300;occ; 48; 0;38017
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4; 207.2; 11-JUN-2009 00:41:02; Dark ; 33.5; 63; Bet Gru ; 2.15; 2800;occ; 67; 0;38061
5; 328.6; 11-JUN-2009 00:43:03; Dark ; 34.0; 31; Alp Gru ; 1.73; 15200;occ; 68; 0;38061
6; 418.4; 11-JUN-2009 00:44:33; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;38061
7; 1177.4; 11-JUN-2009 00:57:12; Dark ; 31.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 62; 0;38061
8; 1296.6; 11-JUN-2009 00:59:11; Dark ; 36.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 73; 0;38061
9; 2026.9; 11-JUN-2009 01:11:22; Bright; 34.0; 126; 60Bet Oph ; 2.77; 4250;occ; 68; 0;38061
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12; 3538.3; 11-JUN-2009 01:36:33; Bright; 31.5; 89; 5Alp Cep ; 2.45; 8000;occ; 63; 0;38061
13; 3899.2; 11-JUN-2009 01:42:34; Bright; 26.0; 74; 11Bet Cas ; 2.27; 6600;occ; 52; 0;38061
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3; 81.7; 11-JUN-2009 02:19:32; Dark ; 44.5; 18; 24Alp PsA ; 1.17; 9700;occ; 89; 0;38062
4; 207.6; 11-JUN-2009 02:21:38; Dark ; 34.0; 63; Bet Gru ; 2.15; 2800;occ; 68; 0;38062
5; 329.2; 11-JUN-2009 02:23:40; Dark ; 34.5; 31; Alp Gru ; 1.73; 15200;occ; 69; 0;38062
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8; 1297.3; 11-JUN-2009 02:39:48; Dark ; 36.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 73; 0;38062
9; 2026.8; 11-JUN-2009 02:51:57; Bright; 34.0; 126; 60Bet Oph ; 2.77; 4250;occ; 68; 0;38062
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3; -649.5; 11-JUN-2009 03:47:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38062
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6; 330.6; 11-JUN-2009 04:04:17; Dark ; 34.0; 31; Alp Gru ; 1.73; 15200;occ; 68; 0;38063
7; 421.5; 11-JUN-2009 04:05:48; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;38063

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3; -648.6; 11-JUN-2009 05:28:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38063
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5; 85.0; 11-JUN-2009 05:40:48; Dark ; 44.5; 18; 24Alp PsA ; 1.17; 9700;occ; 89; 0;38064
6; 209.9; 11-JUN-2009 05:42:52; Dark ; 34.0; 63; Bet Gru ; 2.15; 2800;occ; 68; 0;38064
7; 331.2; 11-JUN-2009 05:44:54; Dark ; 34.5; 31; Alp Gru ; 1.73; 15200;occ; 69; 0;38064
8; 422.8; 11-JUN-2009 05:46:25; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;38064
9; 1179.0; 11-JUN-2009 05:59:02; Dark ; 30.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 61; 0;38064
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13; 2895.6; 11-JUN-2009 06:27:38; Bright; 30.5; 130; 23Bet Dra ; 2.80; 5800;occ; 61; 0;38064
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6; 210.9; 11-JUN-2009 07:23:29; Dark ; 33.5; 63; Bet Gru ; 2.15; 2800;occ; 67; 0;38065
7; 332.4; 11-JUN-2009 07:25:31; Dark ; 34.5; 31; Alp Gru ; 1.73; 15200;occ; 69; 0;38065
8; 424.1; 11-JUN-2009 07:27:03; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;38065
9; 1179.4; 11-JUN-2009 07:39:38; Dark ; 30.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 61; 0;38065
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3; 2895.2; 11-JUN-2009 08:08:14; Bright; 30.0; 130; 23Bet Dra ; 2.80; 5800;occ; 60; 0;38065
4; 3535.5; 11-JUN-2009 08:18:54; Bright; 31.5; 89; 5Alp Cep ; 2.45; 8000;occ; 63; 0;38065
5; 3898.7; 11-JUN-2009 08:24:57; Bright; 25.5; 74; 11Bet Cas ; 2.27; 6600;occ; 51; 0;38065
6; 4406.8; 11-JUN-2009 08:33:25; Dark ; 24.5; 53; 43Bet And ; 2.05; 3300;occ; 49; 0;38065
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8; 5501.8; 11-JUN-2009 08:51:40; Dark ; 31.0; 52; 16Bet Cet ; 2.04; 4500;occ; 62; 0;38065
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11; 6369.4; 11-JUN-2009 09:06:08; Dark ; 34.5; 31; Alp Gru ; 1.73; 15200;occ; 69; 0;38065
12; 6461.4; 11-JUN-2009 09:07:40; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;38065
13; 7215.7; 11-JUN-2009 09:20:14; Dark ; 29.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 59; 0;38065
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3; 2894.9; 11-JUN-2009 09:48:49; Bright; 30.0; 130; 23Bet Dra ; 2.80; 5800;occ; 60; 0;38066
4; 3535.0; 11-JUN-2009 09:59:29; Bright; 30.5; 89; 5Alp Cep ; 2.45; 8000;occ; 61; 0;38066
5; 3898.3; 11-JUN-2009 10:05:33; Bright; 24.5; 74; 11Bet Cas ; 2.27; 6600;occ; 49; 0;38066
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5; 334.5; 11-JUN-2009 10:46:45; Dark ; 34.5; 31; Alp Gru ; 1.73; 15200;occ; 69; 0;38067
6; 427.0; 11-JUN-2009 10:48:17; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;38067
7; 1180.2; 11-JUN-2009 11:00:50; Dark ; 30.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 61; 0;38067
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13; 3895.7; 11-JUN-2009 23:30:18; Bright; 25.5; 74; 11Bet Cas ; 2.27; 6600;occ; 51; 0;38074
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8; 1302.8; 12-JUN-2009 00:27:40; Dark ; 36.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 72; 0;38075
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11; 2891.0; 12-JUN-2009 00:54:09; Bright; 29.5; 130; 23Bet Dra ; 2.80; 5800;occ; 59; 0;38075
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13; 7216.8; 11-JUN-2009 14:22:03; Dark ; 30.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 61; 0;38068
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7; 5393.0; 11-JUN-2009 15:32:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38069
8; 5505.5; 11-JUN-2009 15:34:08; Dark ; 31.0; 52; 16Bet Cet ; 2.04; 4500;occ; 62; 0;38069
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12; 6467.0; 11-JUN-2009 15:50:09; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;38069
13; 7217.5; 11-JUN-2009 16:02:40; Dark ; 30.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 61; 0;38069
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6; 3532.0; 11-JUN-2009 18:22:26; Bright; 31.0; 89; 5Alp Cep ; 2.45; 8000;occ; 62; 0;38071
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3; 2023.3; 11-JUN-2009 19:37:53; Bright; 33.5; 126; 60Bet Oph ; 2.77; 4250;occ; 67; 0;38072
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5; 105.6; 12-JUN-2009 03:28:55; Dark ; 45.0; 18; 24Alp PsA ; 1.17; 9700;occ; 90; 0;38077
6; 222.2; 12-JUN-2009 03:30:52; Dark ; 34.0; 63; Bet Gru ; 2.15; 2800;occ; 68; 0;38077
7; 344.1; 12-JUN-2009 03:32:54; Dark ; 34.5; 31; Alp Gru ; 1.73; 15200;occ; 69; 0;38077
8; 440.1; 12-JUN-2009 03:34:30; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;38077
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13; 3510.9; 13-JUN-2009 22:20:39; Bright; 31.5; 89; 5Alp Cep ; 2.45; 8000;occ; 63; 0;38102
14; 3886.9; 13-JUN-2009 22:26:55; Bright; 26.5; 74; 11Bet Cas ; 2.27; 6600;occ; 53; 0;38102

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5; 132.7; 13-JUN-2009 07:59:33; Dark ; 45.0; 18; 24Alp PsA ; 1.17; 9700;occ; 90; 0;38094
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4; 3516.6; 13-JUN-2009 08:55:57; Bright; 31.0; 89; 5Alp Cep ; 2.45; 8000;occ; 62; 0;38094
5; 3889.7; 13-JUN-2009 09:02:10; Bright; 26.0; 74; 11Bet Cas ; 2.27; 6600;occ; 52; 0;38094
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13; 7227.7; 13-JUN-2009 09:57:48; Dark ; 30.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 60; 0;38094
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4; 3515.8; 13-JUN-2009 10:36:32; Bright; 31.5; 89; 5Alp Cep ; 2.45; 8000;occ; 63; 0;38095
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7; 5418.7; 13-JUN-2009 11:08:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38095
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9; 6172.1; 13-JUN-2009 11:20:48; Dark ; 41.0; 18; 24Alp PsA ; 1.17; 9700;occ; 82; 0;38095
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12; 6502.0; 13-JUN-2009 11:26:18; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;38095
13; 7228.5; 13-JUN-2009 11:38:25; Dark ; 29.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 59; 0;38095
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4; 3515.0; 13-JUN-2009 12:17:07; Bright; 31.5; 89; 5Alp Cep ; 2.45; 8000;occ; 63; 0;38096
5; 3888.8; 13-JUN-2009 12:23:21; Bright; 26.5; 74; 11Bet Cas ; 2.27; 6600;occ; 53; 0;38096
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6; 478.3; 14-JUN-2009 02:31:54; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;38105
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8; 1287.2; 14-JUN-2009 02:45:23; Dark ; 30.5; 116; 19Del Sgr ; 2.70; 4100;occ; 61; 0;38105
9; 1368.0; 14-JUN-2009 02:46:44; Bright; 32.0; 137; 22Lam Sgr ; 2.82; 4400;occ; 64; 0;38105
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3; 2010.6; 14-JUN-2009 21:24:02; Bright; 32.0; 126; 60Bet Oph ; 2.77; 4250;occ; 64; 0;38116
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6; 3503.3; 14-JUN-2009 18:27:42; Bright; 31.0; 89; 5Alp Cep ; 2.45; 8000;occ; 62; 0;38114
7; 3883.2; 14-JUN-2009 18:34:02; Bright; 26.5; 74; 11Bet Cas ; 2.27; 6600;occ; 53; 0;38114
8; 4410.3; 14-JUN-2009 18:42:49; Dark ; 25.5; 53; 43Bet And ; 2.05; 3300;occ; 51; 0;38114
9; 5438.8; 14-JUN-2009 18:59:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38114
10; 5548.3; 14-JUN-2009 19:01:47; Dark ; 33.0; 52; 16Bet Cet ; 2.04; 4500;occ; 66; 0;38114
11; 6294.9; 14-JUN-2009 19:14:14; Dark ; 34.0; 63; Bet Gru ; 2.15; 2800;occ; 68; 0;38114
12; 6417.7; 14-JUN-2009 19:16:17; Dark ; 34.5; 31; Alp Gru ; 1.73; 15200;occ; 69; 0;38114
13; 6528.0; 14-JUN-2009 19:18:07; Dark ; 41.5; 172; Gam Gru ; 3.00; 13100;occ; 83; 0;38114
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2; 1318.9; 14-JUN-2009 19:31:54; Dark ; 34.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 68; 0;38115
3; 2011.1; 14-JUN-2009 19:43:26; Bright; 32.0; 126; 60Bet Oph ; 2.77; 4250;occ; 64; 0;38115
4; 2163.1; 14-JUN-2009 19:45:58; Bright; 31.5; 59; 55Alp Oph ; 2.08; 8900;occ; 63; 0;38115
5; 2873.6; 14-JUN-2009 19:57:49; Bright; 29.0; 130; 23Bet Dra ; 2.80; 5800;occ; 58; 0;38115
6; 3502.1; 14-JUN-2009 20:08:17; Bright; 31.5; 89; 5Alp Cep ; 2.45; 8000;occ; 63; 0;38115
7; 3882.9; 14-JUN-2009 20:14:38; Bright; 26.0; 74; 11Bet Cas ; 2.27; 6600;occ; 52; 0;38115
8; 4410.4; 14-JUN-2009 20:23:25; Dark ; 25.0; 53; 43Bet And ; 2.05; 3300;occ; 50; 0;38115
9; 5439.9; 14-JUN-2009 20:40:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38115
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12; 6419.5; 14-JUN-2009 20:56:55; Dark ; 34.0; 31; Alp Gru ; 1.73; 15200;occ; 68; 0;38115
13; 6529.7; 14-JUN-2009 20:58:45; Dark ; 41.0; 172; Gam Gru ; 3.00; 13100;occ; 82; 0;38115
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3;	262.2;	15-JUN-2009	00:16:05;	Dark	;	34.0;	63;	Bet	Gru	;	2.15;	2800;	occ;	68;	0;	38118
4;	384.5;	15-JUN-2009	00:18:07;	Dark	;	35.0;	31;	Alp	Gru	;	1.73;	15200;	occ;	70;	0;	38118
5;	496.1;	15-JUN-2009	00:19:59;	Dark	;	42.0;	172;	Gam	Gru	;	3.00;	13100;	occ;	84;	0;	38118
6;	1230.9;	15-JUN-2009	00:32:14;	Dark	;	33.5;	103;	38Zet	Sgr	;	2.60;	9700;	occ;	67;	0;	38118
7;	1320.1;	15-JUN-2009	00:33:43;	Dark	;	34.0;	57;	34Sig	Sgr	;	2.07;	26000;	occ;	68;	0;	38118
8;	2010.4;	15-JUN-2009	00:45:13;	Bright;	;	31.5;	126;	60Bet	Oph	;	2.77;	4250;	occ;	63;	0;	38118
9;	2162.0;	15-JUN-2009	00:47:45;	Bright;	;	31.5;	59;	55Alp	Oph	;	2.08;	8900;	occ;	63;	0;	38118
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11;	3500.0;	15-JUN-2009	01:10:03;	Bright;	;	31.5;	89;	5Alp	Cep	;	2.45;	8000;	occ;	63;	0;	38118
12;	3881.8;	15-JUN-2009	01:16:24;	Bright;	;	26.5;	74;	11Bet	Cas	;	2.27;	6600;	occ;	53;	0;	38118
13;	3963.9;	15-JUN-2009	01:17:47;	Bright;	;	25.0;	68;	18Alp	Cas	;	2.22;	4500;	occ;	50;	0;	38118
14;	4410.5;	15-JUN-2009	01:25:13;	Dark	;	25.0;	53;	43Bet	And	;	2.05;	3300;	occ;	50;	0;	38118
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2;	-483.7;	15-JUN-2009	01:44:15;	Dark	;	33.0;	52;	16Bet	Cet	;	2.04;	4500;	occ;	66;	0;	38118
3;	263.2;	15-JUN-2009	01:56:42;	Dark	;	34.0;	63;	Bet	Gru	;	2.15;	2800;	occ;	68;	0;	38119
4;	386.2;	15-JUN-2009	01:58:45;	Dark	;	34.0;	31;	Alp	Gru	;	1.73;	15200;	occ;	68;	0;	38119
5;	497.6;	15-JUN-2009	02:00:36;	Dark	;	42.0;	172;	Gam	Gru	;	3.00;	13100;	occ;	84;	0;	38119
6;	1231.3;	15-JUN-2009	02:12:50;	Dark	;	33.5;	103;	38Zet	Sgr	;	2.60;	9700;	occ;	67;	0;	38119
7;	1320.5;	15-JUN-2009	02:14:19;	Dark	;	34.0;	57;	34Sig	Sgr	;	2.07;	26000;	occ;	68;	0;	38119
8;	2010.1;	15-JUN-2009	02:25:49;	Bright;	;	31.5;	126;	60Bet	Oph	;	2.77;	4250;	occ;	63;	0;	38119
9;	2161.8;	15-JUN-2009	02:28:20;	Bright;	;	31.5;	59;	55Alp	Oph	;	2.08;	8900;	occ;	63;	0;	38119
10;	2872.0;	15-JUN-2009	02:40:11;	Bright;	;	29.5;	130;	23Bet	Dra	;	2.80;	5800;	occ;	59;	0;	38119
11;	3499.6;	15-JUN-2009	02:50:38;	Bright;	;	31.0;	89;	5Alp	Cep	;	2.45;	8000;	occ;	62;	0;	38119
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2;	-2072.3;	15-JUN-2009	02:58:22;	Bright;	;	25.5;	68;	18Alp	Cas	;	2.22;	4500;	occ;	51;	0;	38119
3;	-1625.3;	15-JUN-2009	03:05:49;	Dark	;	25.5;	53;	43Bet	And	;	2.05;	3300;	occ;	51;	0;	38119
4;	-591.7;	15-JUN-2009	03:23:03;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	38119
5;	-482.9;	15-JUN-2009	03:24:52;	Dark	;	33.0;	52;	16Bet	Cet	;	2.04;	4500;	occ;	66;	0;	38119
6;	264.2;	15-JUN-2009	03:37:19;	Dark	;	34.0;	63;	Bet	Gru	;	2.15;	2800;	occ;	68;	0;	38120
7;	387.3;	15-JUN-2009	03:39:22;	Dark	;	34.0;	31;	Alp	Gru	;	1.73;	15200;	occ;	68;	0;	38120
8;	499.1;	15-JUN-2009	03:41:14;	Dark	;	42.0;	172;	Gam	Gru	;	3.00;	13100;	occ;	84;	0;	38120
9;	1231.7;	15-JUN-2009	03:53:26;	Dark	;	34.0;	103;	38Zet	Sgr	;	2.60;	9700;	occ;	68;	0;	38120
10;	1321.1;	15-JUN-2009	03:54:56;	Dark	;	34.0;	57;	34Sig	Sgr	;	2.07;	26000;	occ;	68;	0;	38120
11;	2009.7;	15-JUN-2009	04:06:24;	Bright;	;	32.0;	126;	60Bet	Oph	;	2.77;	4250;	occ;	64;	0;	38120
12;	2161.6;	15-JUN-2009	04:08:56;	Bright;	;	31.5;	59;	55Alp	Oph	;	2.08;	8900;	occ;	63;	0;	38120
13;	2871.5;	15-JUN-2009	04:20:46;	Bright;	;	29.5;	130;	23Bet	Dra	;	2.80;	5800;	occ;	59;	0;	38120
14;	3499.1;	15-JUN-2009	04:31:14;	Bright;	;	31.0;	89;	5Alp	Cep	;	2.45;	8000;	occ;	62;	0;	38120
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2;	-2154.6;	15-JUN-2009	04:37:36;	Bright;	;	26.5;	74;	11Bet	Cas	;	2.27;	6600;	occ;	53;	0;	38120
3;	-2072.4;	15-JUN-2009	04:38:58;	Bright;	;	25.0;	68;	18Alp	Cas	;	2.22;	4500;	occ;	50;	0;	38120
4;	-1625.1;	15-JUN-2009	04:46:25;	Dark	;	25.5;	53;	43Bet	And	;	2.05;	3300;	occ;	51;	0;	38120
5;	-590.6;	15-JUN-2009	05:03:40;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	38120
6;	-481.4;	15-JUN-2009	05:05:29;	Dark	;	33.0;	52;	16Bet	Cet	;	2.04;	4500;	occ;	66;	0;	38120
7;	264.4;	15-JUN-2009	05:17:55;	Dark	;	34.5;	63;	Bet	Gru	;	2.15;	2800;	occ;	69;	0;	38121
8;	388.4;	15-JUN-2009	05:19:59;	Dark	;	34.0;	31;	Alp	Gru	;	1.73;	15200;	occ;	68;	0;	38121
9;	500.3;	15-JUN-2009	05:21:51;	Dark	;	42.0;	172;	Gam	Gru	;	3.00;	13100;	occ;	84;	0;	38121
10;	1232.2;	15-JUN-2009	05:34:03;	Dark	;	33.5;	103;	38Zet	Sgr	;	2.60;	9700;	occ;	67;	0;	38121
11;	1321.2;	15-JUN-2009	05:35:32;	Dark	;	34.0;	57;	34Sig	Sgr	;	2.07;	26000;	occ;	68;	0;	38121
12;	2009.8;	15-JUN-2009	05:47:00;	Bright;	;	31.5;	126;	60Bet	Oph	;	2.77;	4250;	occ;	63;	0;	38121
13;	2161.1;	15-JUN-2009	05:49:32;	Bright;	;	31.5;	59;	55Alp	Oph	;	2.08;	8900;	occ;	63;	0;	38121
14;	2871.3;	15-JUN-2009	06:01:22;	Bright;	;	29.0;	130;	23Bet	Dra	;	2.80;	5800;	occ;	58;	0;	38121
15;	3498.1;	15-JUN-2009	06:11:49;	Bright;	;	31.0;	89;	5Alp	Cep	;	2.45;	8000;	occ;	62;	0;	38121
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3;	2007.3;	15-JUN-2009	20:52:21;	Bright;	;	31.5;	126;	60Bet	Oph	;	2.77;	4250;	occ;	63;	0;	38130
4;	2158.5;	15-JUN-2009	20:54:53;	Bright;	;	31.0;	59;	55Alp	Oph	;	2.08;	8900;	occ;	62;	0;	38130
5;	2869.2;	15-JUN-2009	21:06:43;	Bright;	;	27.5;	130;	23Bet	Dra	;	2.80;	5800;	occ;	55;	0;	38130
6;	3492.2;	15-JUN-2009	21:17:06;	Bright;	;	31.5;	89;	5Alp	Cep	;	2.45;	8000;	occ;	63;	0;	38130
7;	3878.0;	15-JUN-2009	21:23:32;	Bright;	;	26.5;	74;	11Bet	Cas	;	2.27;	6600;	occ;	53;	0;	38130
8;	3960.9;	15-JUN-2009	21:24:55;	Bright;	;	25.5;	68;	18Alp	Cas	;	2.22;	4500;	occ;	51;	0;	38130
9;	4411.3;	15-JUN-2009	21:32:25;	Dark	;	25.5;	53;	43Bet	And	;	2.05;	3300;	occ;	51;	0;	38130
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2;	1324.8;	15-JUN-2009	22:21:35;	Dark	;	34.0;	57;	34Sig	Sgr	;	2.07;	26000;occ;	68;	0;	38131
3;	2007.1;	15-JUN-2009	22:32:57;	Bright;	;	31.5;	126;	60Bet	Oph	;	2.77;	4250;occ;	63;	0;	38131
4;	2158.1;	15-JUN-2009	22:35:28;	Bright;	;	31.0;	59;	55Alp	Oph	;	2.08;	8900;occ;	62;	0;	38131
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7;	3877.8;	15-JUN-2009	23:04:08;	Bright;	;	26.5;	74;	11Bet	Cas	;	2.27;	6600;occ;	53;	0;	38131
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3;	275.7;	15-JUN-2009	23:44:41;	Dark	;	34.0;	63;	Bet	Gru	;	2.15;	2800;occ;	68;	0;	38132
4;	399.0;	15-JUN-2009	23:46:45;	Dark	;	34.0;	31;	Alp	Gru	;	1.73;	15200;occ;	68;	0;	38132
5;	514.6;	15-JUN-2009	23:48:40;	Dark	;	42.5;	172;	Gam	Gru	;	3.00;	13100;occ;	85;	0;	38132
6;	1237.3;	16-JUN-2009	00:00:43;	Dark	;	33.0;	103;	38Zet	Sgr	;	2.60;	9700;occ;	66;	0;	38132
7;	1325.1;	16-JUN-2009	00:02:11;	Dark	;	33.5;	57;	34Sig	Sgr	;	2.07;	26000;occ;	67;	0;	38132
8;	1432.6;	16-JUN-2009	00:03:58;	Bright;	;	28.0;	155;	41Pi	Sgr	;	2.90;	6600;occ;	56;	0;	38132
9;	2006.9;	16-JUN-2009	00:13:33;	Bright;	;	31.5;	126;	60Bet	Oph	;	2.77;	4250;occ;	63;	0;	38132
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12;	2896.3;	16-JUN-2009	00:28:22;	Bright;	;	30.5;	69;	33Gam	Dra	;	2.23;	3800;occ;	61;	0;	38132
13;	3490.8;	16-JUN-2009	00:38:17;	Bright;	;	31.5;	89;	5Alp	Cep	;	2.45;	8000;occ;	63;	0;	38132
14;	3877.2;	16-JUN-2009	00:44:43;	Bright;	;	26.5;	74;	11Bet	Cas	;	2.27;	6600;occ;	53;	0;	38132
15;	3960.3;	16-JUN-2009	00:46:06;	Bright;	;	25.5;	68;	18Alp	Cas	;	2.22;	4500;occ;	51;	0;	38132
16;	4411.3;	16-JUN-2009	00:53:37;	Dark	;	26.0;	53;	43Bet	And	;	2.05;	3300;occ;	52;	0;	38132
17;	4999.5;	16-JUN-2009	01:03:25;	Dark	;	59.5;	0;	;	;	;	0.00;	0;occ;	119;	0;	38132
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2;	-2072.7;	15-JUN-2009	06:19:34;	Bright;	;	25.0;	68;	18Alp	Cas	;	2.22;	4500;occ;	50;	0;	38121
3;	-1625.2;	15-JUN-2009	06:27:01;	Dark	;	25.5;	53;	43Bet	And	;	2.05;	3300;occ;	51;	0;	38121
4;	-589.5;	15-JUN-2009	06:44:17;	Dark	;	59.5;	0;	;	;	;	0.00;	0;occ;	119;	0;	38121
5;	-480.8;	15-JUN-2009	06:46:06;	Dark	;	33.5;	52;	16Bet	Cet	;	2.04;	4500;occ;	67;	0;	38121
6;	265.7;	15-JUN-2009	06:58:32;	Dark	;	34.5;	63;	Bet	Gru	;	2.15;	2800;occ;	69;	0;	38122
7;	388.8;	15-JUN-2009	07:00:35;	Dark	;	35.0;	31;	Alp	Gru	;	1.73;	15200;occ;	70;	0;	38122
8;	501.7;	15-JUN-2009	07:02:28;	Dark	;	42.0;	172;	Gam	Gru	;	3.00;	13100;occ;	84;	0;	38122
9;	1232.9;	15-JUN-2009	07:14:39;	Dark	;	33.5;	103;	38Zet	Sgr	;	2.60;	9700;occ;	67;	0;	38122
10;	1321.6;	15-JUN-2009	07:16:08;	Dark	;	33.5;	57;	34Sig	Sgr	;	2.07;	26000;occ;	67;	0;	38122
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1;	2009.4;	15-JUN-2009	07:27:36;	Bright;	;	31.5;	126;	60Bet	Oph	;	2.77;	4250;occ;	63;	0;	38122
2;	2161.0;	15-JUN-2009	07:30:07;	Bright;	;	31.5;	59;	55Alp	Oph	;	2.08;	8900;occ;	63;	0;	38122
3;	2808.6;	15-JUN-2009	07:40:55;	Bright;	;	29.0;	5;	3Alp	Lyr	;	0.03;	11000;occ;	58;	0;	38122
4;	2870.8;	15-JUN-2009	07:41:57;	Bright;	;	29.0;	130;	23Bet	Dra	;	2.80;	5800;occ;	58;	0;	38122
5;	3497.6;	15-JUN-2009	07:52:24;	Bright;	;	31.5;	89;	5Alp	Cep	;	2.45;	8000;occ;	63;	0;	38122
6;	3880.7;	15-JUN-2009	07:58:47;	Bright;	;	26.5;	74;	11Bet	Cas	;	2.27;	6600;occ;	53;	0;	38122
7;	3963.2;	15-JUN-2009	08:00:10;	Bright;	;	25.0;	68;	18Alp	Cas	;	2.22;	4500;occ;	50;	0;	38122
8;	4410.9;	15-JUN-2009	08:07:37;	Dark	;	25.5;	53;	43Bet	And	;	2.05;	3300;occ;	51;	0;	38122
9;	5447.6;	15-JUN-2009	08:24:54;	Dark	;	59.5;	0;	;	;	;	0.00;	0;occ;	119;	0;	38122
10;	5556.2;	15-JUN-2009	08:26:43;	Dark	;	33.5;	52;	16Bet	Cet	;	2.04;	4500;occ;	67;	0;	38122
11;	6302.6;	15-JUN-2009	08:39:09;	Dark	;	34.0;	63;	Bet	Gru	;	2.15;	2800;occ;	68;	0;	38122
12;	6426.0;	15-JUN-2009	08:41:12;	Dark	;	34.5;	31;	Alp	Gru	;	1.73;	15200;occ;	69;	0;	38122
13;	6538.8;	15-JUN-2009	08:43:05;	Dark	;	42.0;	172;	Gam	Gru	;	3.00;	13100;occ;	84;	0;	38122
14;	7269.0;	15-JUN-2009	08:55:16;	Dark	;	33.5;	103;	38Zet	Sgr	;	2.60;	9700;occ;	67;	0;	38122
15;	7358.0;	15-JUN-2009	08:56:45;	Dark	;	33.5;	57;	34Sig	Sgr	;	2.07;	26000;occ;	67;	0;	38122
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2;	2160.4;	15-JUN-2009	09:10:43;	Bright;	;	31.5;	59;	55Alp	Oph	;	2.08;	8900;occ;	63;	0;	38123
3;	2807.6;	15-JUN-2009	09:21:30;	Bright;	;	29.0;	5;	3Alp	Lyr	;	0.03;	11000;occ;	58;	0;	38123
4;	2870.5;	15-JUN-2009	09:22:33;	Bright;	;	29.0;	130;	23Bet	Dra	;	2.80;	5800;occ;	58;	0;	38123
5;	3497.0;	15-JUN-2009	09:32:59;	Bright;	;	31.5;	89;	5Alp	Cep	;	2.45;	8000;occ;	63;	0;	38123
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7;	3962.7;	15-JUN-2009	09:40:45;	Bright;	;	25.5;	68;	18Alp	Cas	;	2.22;	4500;occ;	51;	0;	38123
8;	4411.0;	15-JUN-2009	09:48:13;	Dark	;	25.5;	53;	43Bet	And	;	2.05;	3300;occ;	51;	0;	38123
9;	5448.6;	15-JUN-2009	10:05:31;	Dark	;	59.5;	0;	;	;	;	0.00;	0;occ;	119;	0;	38123
10;	5557.1;	15-JUN-2009	10:07:20;	Dark	;	33.5;	52;	16Bet	Cet	;	2.04;	4500;occ;	67;	0;	38123
11;	6303.8;	15-JUN-2009	10:19:46;	Dark	;	34.0;	63;	Bet	Gru	;	2.15;	2800;occ;	68;	0;	38123
12;	6427.1;	15-JUN-2009	10:21:49;	Dark	;	34.0;	31;	Alp	Gru	;	1.73;	15200;occ;	68;	0;	38123
13;	6540.2;	15-JUN-2009	10:23:43;	Dark	;	42.0;	172;	Gam	Gru	;	3.00;	13100;occ;	84;	0;	38123
14;	7269.4;	15-JUN-2009	10:35:52;	Dark	;	33.5;	103;	38Zet	Sgr	;	2.60;	9700;occ;	67;	0;	38123

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4; 2870.0; 15-JUN-2009 11:03:08; Bright; 29.0; 130; 23Bet Dra ; 2.80; 5800;occ; 58; 0;38124
5; 3496.3; 15-JUN-2009 11:13:35; Bright; 31.5; 89; 5Alp Cep ; 2.45; 8000;occ; 63; 0;38124
6; 3880.0; 15-JUN-2009 11:19:58; Bright; 26.5; 74; 11Bet Cas ; 2.27; 6600;occ; 53; 0;38124
7; 3962.3; 15-JUN-2009 11:21:21; Bright; 25.5; 68; 18Alp Cas ; 2.22; 4500;occ; 51; 0;38124
8; 4410.9; 15-JUN-2009 11:28:49; Dark ; 26.0; 53; 43Bet And ; 2.05; 3300;occ; 52; 0;38124
9; 5449.7; 15-JUN-2009 11:46:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38124
10; 5558.4; 15-JUN-2009 11:47:57; Dark ; 33.0; 52; 16Bet Cet ; 2.04; 4500;occ; 66; 0;38124
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12; 6428.1; 15-JUN-2009 12:02:26; Dark ; 34.0; 31; Alp Gru ; 1.73; 15200;occ; 68; 0;38124
13; 6541.4; 15-JUN-2009 12:04:20; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;38124
14; 7270.1; 15-JUN-2009 12:16:28; Dark ; 33.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 67; 0;38124
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3; 275.0; 15-JUN-2009 22:04:05; Dark ; 33.5; 63; Bet Gru ; 2.15; 2800;occ; 67; 0;38131
4; 398.2; 15-JUN-2009 22:06:08; Dark ; 34.0; 31; Alp Gru ; 1.73; 15200;occ; 68; 0;38131
5; 513.3; 15-JUN-2009 22:08:03; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;38131
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2; 2159.6; 15-JUN-2009 14:12:30; Bright; 31.5; 59; 55Alp Oph ; 2.08; 8900;occ; 63; 0;38126
3; 2869.5; 15-JUN-2009 14:24:20; Bright; 29.0; 130; 23Bet Dra ; 2.80; 5800;occ; 58; 0;38126
4; 3495.1; 15-JUN-2009 14:34:45; Bright; 31.5; 89; 5Alp Cep ; 2.45; 8000;occ; 63; 0;38126
5; 3879.3; 15-JUN-2009 14:41:09; Bright; 26.5; 74; 11Bet Cas ; 2.27; 6600;occ; 53; 0;38126
6; 3962.1; 15-JUN-2009 14:42:32; Bright; 25.5; 68; 18Alp Cas ; 2.22; 4500;occ; 51; 0;38126
7; 4411.2; 15-JUN-2009 14:50:01; Dark ; 25.5; 53; 43Bet And ; 2.05; 3300;occ; 51; 0;38126
8; 5452.0; 15-JUN-2009 15:07:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38126
9; 5560.5; 15-JUN-2009 15:09:11; Dark ; 33.5; 52; 16Bet Cet ; 2.04; 4500;occ; 67; 0;38126
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2; 1323.4; 15-JUN-2009 15:39:09; Dark ; 34.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 68; 0;38127
3; 2008.4; 15-JUN-2009 15:50:34; Bright; 31.0; 126; 60Bet Oph ; 2.77; 4250;occ; 62; 0;38127
4; 2159.4; 15-JUN-2009 15:53:05; Bright; 31.0; 59; 55Alp Oph ; 2.08; 8900;occ; 62; 0;38127
5; 2869.1; 15-JUN-2009 16:04:55; Bright; 29.0; 130; 23Bet Dra ; 2.80; 5800;occ; 58; 0;38127
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7; 3879.1; 15-JUN-2009 16:21:45; Bright; 26.5; 74; 11Bet Cas ; 2.27; 6600;occ; 53; 0;38127
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13; 6431.1; 15-JUN-2009 17:04:17; Dark ; 34.5; 31; Alp Gru ; 1.73; 15200;occ; 69; 0;38127
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2; 1323.8; 15-JUN-2009 17:19:46; Dark ; 34.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 68; 0;38128
3; 2007.8; 15-JUN-2009 17:31:10; Bright; 31.5; 126; 60Bet Oph ; 2.77; 4250;occ; 63; 0;38128
4; 2159.0; 15-JUN-2009 17:33:41; Bright; 31.5; 59; 55Alp Oph ; 2.08; 8900;occ; 63; 0;38128
5; 2868.5; 15-JUN-2009 17:45:31; Bright; 29.0; 130; 23Bet Dra ; 2.80; 5800;occ; 58; 0;38128
6; 3493.5; 15-JUN-2009 17:55:56; Bright; 31.5; 89; 5Alp Cep ; 2.45; 8000;occ; 63; 0;38128
7; 3878.6; 15-JUN-2009 18:02:21; Bright; 26.5; 74; 11Bet Cas ; 2.27; 6600;occ; 53; 0;38128
8; 3961.6; 15-JUN-2009 18:03:44; Bright; 25.5; 68; 18Alp Cas ; 2.22; 4500;occ; 51; 0;38128
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12; 6308.8; 15-JUN-2009 18:42:51; Dark ; 34.0; 63; Bet Gru ; 2.15; 2800;occ; 68; 0;38128
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6; 3492.9; 15-JUN-2009 19:36:31; Bright; 31.5; 89; 5Alp Cep ; 2.45; 8000;occ; 63; 0;38129
7; 3878.3; 15-JUN-2009 19:42:56; Bright; 26.5; 74; 11Bet Cas ; 2.27; 6600;occ; 53; 0;38129
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13; 6433.2; 15-JUN-2009 20:25:31; Dark ; 34.0; 31; Alp Gru ; 1.73; 15200;occ; 68; 0;38129
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3; 275.0; 15-JUN-2009 22:04:05; Dark ; 33.5; 63; Bet Gru ; 2.15; 2800;occ; 67; 0;38131
4; 398.2; 15-JUN-2009 22:06:08; Dark ; 34.0; 31; Alp Gru ; 1.73; 15200;occ; 68; 0;38131
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6; 1237.4; 16-JUN-2009 01:41:19; Dark ; 33.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 67; 0;38133
7; 1325.6; 16-JUN-2009 01:42:47; Dark ; 33.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 67; 0;38133
8; 1432.7; 16-JUN-2009 01:44:34; Bright; 28.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 56; 0;38133
9; 2006.7; 16-JUN-2009 01:54:08; Bright; 31.0; 126; 60Bet Oph ; 2.77; 4250;occ; 62; 0;38133
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11; 2798.4; 16-JUN-2009 02:07:20; Bright; 37.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 75; 0;38133
12; 2895.9; 16-JUN-2009 02:08:57; Bright; 30.5; 69; 33Gam Dra ; 2.23; 3800;occ; 61; 0;38133
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10; 3958.3; 16-JUN-2009 15:51:27; Bright; 25.5; 68; 18Alp Cas ; 2.22; 4500;occ; 51; 0;38141
11; 4412.3; 16-JUN-2009 15:59:01; Dark ; 25.5; 53; 43Bet And ; 2.05; 3300;occ; 51; 0;38141
12; 5004.4; 16-JUN-2009 16:08:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38141
13; 5576.3; 16-JUN-2009 16:18:25; Dark ; 34.0; 52; 16Bet Cet ; 2.04; 4500;occ; 68; 0;38141
14; 6321.7; 16-JUN-2009 16:30:51; Dark ; 33.5; 63; Bet Gru ; 2.15; 2800;occ; 67; 0;38141
15; 6444.9; 16-JUN-2009 16:32:54; Dark ; 34.0; 31; Alp Gru ; 1.73; 15200;occ; 68; 0;38141
16; 6564.2; 16-JUN-2009 16:34:53; Dark ; 41.0; 172; Gam Gru ; 3.00; 13100;occ; 82; 0;38141

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2; 1329.0; 16-JUN-2009 16:48:14; Dark ; 33.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 66; 0;38142
3; 1435.1; 16-JUN-2009 16:50:00; Bright; 37.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 74; 0;38142
4; 2004.8; 16-JUN-2009 16:59:30; Bright; 30.5; 126; 60Bet Oph ; 2.77; 4250;occ; 61; 0;38142
5; 2154.8; 16-JUN-2009 17:02:00; Bright; 31.0; 59; 55Alp Oph ; 2.08; 8900;occ; 62; 0;38142
6; 2790.2; 16-JUN-2009 17:12:35; Bright; 37.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 75; 0;38142
7; 2891.5; 16-JUN-2009 17:14:17; Bright; 30.0; 69; 33Gam Dra ; 2.23; 3800;occ; 60; 0;38142
8; 3484.2; 16-JUN-2009 17:24:09; Bright; 31.5; 89; 5Alp Cep ; 2.45; 8000;occ; 63; 0;38142
9; 3874.0; 16-JUN-2009 17:30:39; Bright; 26.5; 74; 11Bet Cas ; 2.27; 6600;occ; 53; 0;38142
10; 3958.0; 16-JUN-2009 17:32:03; Bright; 25.5; 68; 18Alp Cas ; 2.22; 4500;occ; 51; 0;38142
11; 4412.2; 16-JUN-2009 17:39:37; Dark ; 26.0; 53; 43Bet And ; 2.05; 3300;occ; 52; 0;38142
12; 5470.4; 16-JUN-2009 17:57:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38142
13; 5577.4; 16-JUN-2009 17:59:02; Dark ; 34.0; 52; 16Bet Cet ; 2.04; 4500;occ; 68; 0;38142
14; 6322.7; 16-JUN-2009 18:11:28; Dark ; 34.0; 63; Bet Gru ; 2.15; 2800;occ; 68; 0;38142
15; 6445.9; 16-JUN-2009 18:13:31; Dark ; 34.5; 31; Alp Gru ; 1.73; 15200;occ; 69; 0;38142
16; 6565.6; 16-JUN-2009 18:15:31; Dark ; 41.5; 172; Gam Gru ; 3.00; 13100;occ; 83; 0;38142

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2; 1329.2; 16-JUN-2009 18:28:50; Dark ; 33.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 67; 0;38143
3; 1435.4; 16-JUN-2009 18:30:36; Bright; 37.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 75; 0;38143
4; 2004.6; 16-JUN-2009 18:40:06; Bright; 31.0; 126; 60Bet Oph ; 2.77; 4250;occ; 62; 0;38143
5; 2154.7; 16-JUN-2009 18:42:36; Bright; 31.0; 59; 55Alp Oph ; 2.08; 8900;occ; 62; 0;38143
6; 2789.4; 16-JUN-2009 18:53:10; Bright; 37.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 75; 0;38143
7; 2890.9; 16-JUN-2009 18:54:52; Bright; 30.5; 69; 33Gam Dra ; 2.23; 3800;occ; 61; 0;38143
8; 3483.5; 16-JUN-2009 19:04:45; Bright; 31.5; 89; 5Alp Cep ; 2.45; 8000;occ; 63; 0;38143
9; 3873.6; 16-JUN-2009 19:11:15; Bright; 27.0; 74; 11Bet Cas ; 2.27; 6600;occ; 54; 0;38143
10; 3957.9; 16-JUN-2009 19:12:39; Bright; 25.5; 68; 18Alp Cas ; 2.22; 4500;occ; 51; 0;38143
11; 4412.3; 16-JUN-2009 19:20:13; Dark ; 26.0; 53; 43Bet And ; 2.05; 3300;occ; 52; 0;38143
12; 5471.5; 16-JUN-2009 19:37:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38143
13; 5578.4; 16-JUN-2009 19:39:39; Dark ; 34.5; 52; 16Bet Cet ; 2.04; 4500;occ; 69; 0;38143
14; 6323.4; 16-JUN-2009 19:52:04; Dark ; 34.0; 63; Bet Gru ; 2.15; 2800;occ; 68; 0;38143
15; 6446.7; 16-JUN-2009 19:54:08; Dark ; 34.5; 31; Alp Gru ; 1.73; 15200;occ; 69; 0;38143
16; 6566.8; 16-JUN-2009 19:56:08; Dark ; 41.5; 172; Gam Gru ; 3.00; 13100;occ; 83; 0;38143

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2; -454.4; 17-JUN-2009 00:41:30; Dark ; 34.5; 52; 16Bet Cet ; 2.04; 4500;occ; 69; 0;38146
3; 290.3; 17-JUN-2009 00:53:55; Dark ; 34.0; 63; Bet Gru ; 2.15; 2800;occ; 68; 0;38147
4; 413.6; 17-JUN-2009 00:55:58; Dark ; 34.5; 31; Alp Gru ; 1.73; 15200;occ; 69; 0;38147
5; 534.5; 17-JUN-2009 00:57:59; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;38147
6; 1243.9; 17-JUN-2009 01:09:49; Dark ; 32.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 65; 0;38147

7; 1330.9; 17-JUN-2009 01:11:15; Dark ; 33.0; 57; 34Sig Sgr ; 2.07; 2600;occ; 66; 0;38147
8; 1436.8; 17-JUN-2009 01:13:01; Bright; 37.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 74; 0;38147
9; 2003.4; 17-JUN-2009 01:22:28; Bright; 31.0; 126; 60Bet Oph ; 2.77; 4250;occ; 62; 0;38147
10; 2153.3; 17-JUN-2009 01:24:58; Bright; 31.0; 59; 55Alp Oph ; 2.08; 8900;occ; 62; 0;38147
11; 2785.7; 17-JUN-2009 01:35:30; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0;38147
12; 2888.9; 17-JUN-2009 01:37:14; Bright; 30.5; 69; 33Gam Dra ; 2.23; 3800;occ; 61; 0;38147
13; 3480.7; 17-JUN-2009 01:47:05; Bright; 31.5; 89; 5Alp Cep ; 2.45; 8000;occ; 63; 0;38147
14; 3872.2; 17-JUN-2009 01:53:37; Bright; 26.5; 74; 11Bet Cas ; 2.27; 6600;occ; 53; 0;38147
15; 3956.6; 17-JUN-2009 01:55:01; Bright; 25.5; 68; 18Alp Cas ; 2.22; 4500;occ; 51; 0;38147
16; 4412.5; 17-JUN-2009 02:02:37; Dark ; 25.5; 53; 43Bet And ; 2.05; 3300;occ; 51; 0;38147
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2; -453.3; 17-JUN-2009 02:22:07; Dark ; 34.5; 52; 16Bet Cet ; 2.04; 4500;occ; 69; 0;38147
3; 291.3; 17-JUN-2009 02:34:32; Dark ; 34.5; 63; Bet Gru ; 2.15; 2800;occ; 69; 0;38148
4; 414.4; 17-JUN-2009 02:36:35; Dark ; 35.0; 31; Alp Gru ; 1.73; 15200;occ; 70; 0;38148
5; 535.8; 17-JUN-2009 02:38:36; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;38148
6; 1244.2; 17-JUN-2009 02:50:25; Dark ; 33.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 66; 0;38148
7; 1330.9; 17-JUN-2009 02:51:51; Dark ; 33.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 67; 0;38148
8; 1436.8; 17-JUN-2009 02:53:37; Bright; 37.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 74; 0;38148
9; 2003.4; 17-JUN-2009 03:03:04; Bright; 31.0; 126; 60Bet Oph ; 2.77; 4250;occ; 62; 0;38148
10; 2153.2; 17-JUN-2009 03:05:34; Bright; 30.5; 59; 55Alp Oph ; 2.08; 8900;occ; 61; 0;38148
11; 2784.9; 17-JUN-2009 03:16:05; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0;38148
12; 2888.4; 17-JUN-2009 03:17:49; Bright; 30.5; 69; 33Gam Dra ; 2.23; 3800;occ; 61; 0;38148
13; 3480.0; 17-JUN-2009 03:27:40; Bright; 31.0; 89; 5Alp Cep ; 2.45; 8000;occ; 62; 0;38148
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2; -2079.7; 17-JUN-2009 03:35:37; Bright; 26.0; 68; 18Alp Cas ; 2.22; 4500;occ; 52; 0;38148
3; -1623.5; 17-JUN-2009 03:43:13; Dark ; 26.0; 53; 43Bet And ; 2.05; 3300;occ; 52; 0;38148
4; -1348.5; 17-JUN-2009 03:47:48; Dark ; 23.5; 105; 6Bet Ari ; 2.64; 8900;occ; 47; 0;38148
5; -558.5; 17-JUN-2009 04:00:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38148
6; -452.4; 17-JUN-2009 04:02:44; Dark ; 34.5; 52; 16Bet Cet ; 2.04; 4500;occ; 69; 0;38148
7; 292.2; 17-JUN-2009 04:15:09; Dark ; 34.5; 63; Bet Gru ; 2.15; 2800;occ; 69; 0;38149
8; 415.4; 17-JUN-2009 04:17:12; Dark ; 35.0; 31; Alp Gru ; 1.73; 15200;occ; 70; 0;38149
9; 537.2; 17-JUN-2009 04:19:14; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;38149
10; 1244.8; 17-JUN-2009 04:31:01; Dark ; 33.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 66; 0;38149
11; 1331.4; 17-JUN-2009 04:32:28; Dark ; 33.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 66; 0;38149
12; 1436.9; 17-JUN-2009 04:34:13; Bright; 37.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 75; 0;38149
13; 2003.1; 17-JUN-2009 04:43:40; Bright; 31.0; 126; 60Bet Oph ; 2.77; 4250;occ; 62; 0;38149
14; 2152.8; 17-JUN-2009 04:46:09; Bright; 30.5; 59; 55Alp Oph ; 2.08; 8900;occ; 61; 0;38149
15; 2784.2; 17-JUN-2009 04:56:41; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0;38149
16; 2888.0; 17-JUN-2009 04:58:24; Bright; 30.5; 69; 33Gam Dra ; 2.23; 3800;occ; 61; 0;38149
17; 3479.4; 17-JUN-2009 05:08:16; Bright; 31.0; 89; 5Alp Cep ; 2.45; 8000;occ; 62; 0;38149
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2; -2079.8; 17-JUN-2009 05:16:13; Bright; 25.5; 68; 18Alp Cas ; 2.22; 4500;occ; 51; 0;38149
3; -1623.5; 17-JUN-2009 05:23:49; Dark ; 26.5; 53; 43Bet And ; 2.05; 3300;occ; 53; 0;38149
4; -1348.6; 17-JUN-2009 05:28:24; Dark ; 23.5; 105; 6Bet Ari ; 2.64; 8900;occ; 47; 0;38149
5; -557.3; 17-JUN-2009 05:41:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38149
6; -451.3; 17-JUN-2009 05:43:21; Dark ; 35.0; 52; 16Bet Cet ; 2.04; 4500;occ; 70; 0;38149
7; 293.1; 17-JUN-2009 05:55:46; Dark ; 34.5; 63; Bet Gru ; 2.15; 2800;occ; 69; 0;38150
8; 416.5; 17-JUN-2009 05:57:49; Dark ; 34.5; 31; Alp Gru ; 1.73; 15200;occ; 69; 0;38150
9; 538.4; 17-JUN-2009 05:59:51; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;38150
10; 1245.2; 17-JUN-2009 06:11:38; Dark ; 33.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 66; 0;38150
11; 1331.8; 17-JUN-2009 06:13:04; Dark ; 33.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 67; 0;38150
12; 1437.6; 17-JUN-2009 06:14:50; Bright; 37.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 74; 0;38150
13; 2003.0; 17-JUN-2009 06:24:16; Bright; 30.5; 126; 60Bet Oph ; 2.77; 4250;occ; 61; 0;38150
14; 2152.3; 17-JUN-2009 06:26:45; Bright; 31.0; 59; 55Alp Oph ; 2.08; 8900;occ; 62; 0;38150
15; 2783.2; 17-JUN-2009 06:37:16; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0;38150
16; 2887.4; 17-JUN-2009 06:39:00; Bright; 30.5; 69; 33Gam Dra ; 2.23; 3800;occ; 61; 0;38150
17; 3478.8; 17-JUN-2009 06:48:51; Bright; 31.0; 89; 5Alp Cep ; 2.45; 8000;occ; 62; 0;38150
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2; 1334.6; 17-JUN-2009 21:18:31; Dark ; 33.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 66; 0;38159
3; 1439.7; 17-JUN-2009 21:20:16; Bright; 36.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 73; 0;38159
4; 2001.1; 17-JUN-2009 21:29:37; Bright; 30.5; 126; 60Bet Oph ; 2.77; 4250;occ; 61; 0;38159
5; 2150.0; 17-JUN-2009 21:32:06; Bright; 30.5; 59; 55Alp Oph ; 2.08; 8900;occ; 61; 0;38159
6; 2775.4; 17-JUN-2009 21:42:31; Bright; 36.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 73; 0;38159
7; 2883.0; 17-JUN-2009 21:44:19; Bright; 30.5; 69; 33Gam Dra ; 2.23; 3800;occ; 61; 0;38159

8;	3472.6;	17-JUN-2009	21:54:09;	Bright;	31.5;	89;	5Alp	Cep	;	2.45;	8000;occ;	63;	0;	38159	
9;	3867.8;	17-JUN-2009	22:00:44;	Bright;	27.0;	74;	11Bet	Cas	;	2.27;	6600;occ;	54;	0;	38159	
10;	3953.2;	17-JUN-2009	22:02:09;	Bright;	26.0;	68;	18Alp	Cas	;	2.22;	4500;occ;	52;	0;	38159	
11;	4413.1;	17-JUN-2009	22:09:49;	Dark	;	26.0;	53;	43Bet	And	;	2.05;	3300;occ;	52;	0;	38159
12;	4690.1;	17-JUN-2009	22:14:26;	Dark	;	23.5;	105;	6Bet	Ari	;	2.64;	8900;occ;	47;	0;	38159
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2;	-440.2;	17-JUN-2009	22:29:32;	Dark	;	35.0;	52;	16Bet	Cet	;	2.04;	4500;occ;	70;	0;	38159
3;	303.1;	17-JUN-2009	22:41:55;	Dark	;	34.5;	63;	Bet	Gru	;	2.15;	2800;occ;	69;	0;	38160
4;	426.4;	17-JUN-2009	22:43:58;	Dark	;	34.5;	31;	Alp	Gru	;	1.73;	15200;occ;	69;	0;	38160
5;	551.8;	17-JUN-2009	22:46:04;	Dark	;	42.0;	172;	Gam	Gru	;	3.00;	13100;occ;	84;	0;	38160
6;	1249.2;	17-JUN-2009	22:57:41;	Dark	;	33.0;	103;	38Zet	Sgr	;	2.60;	9700;occ;	66;	0;	38160
7;	1335.0;	17-JUN-2009	22:59:07;	Dark	;	33.0;	57;	34Sig	Sgr	;	2.07;	26000;occ;	66;	0;	38160
8;	1439.8;	17-JUN-2009	23:00:52;	Bright;	36.5;	155;	41Pi	Sgr	;	2.90;	6600;occ;	73;	0;	38160	
9;	2000.8;	17-JUN-2009	23:10:13;	Bright;	30.5;	126;	60Bet	Oph	;	2.77;	4250;occ;	61;	0;	38160	
10;	2149.7;	17-JUN-2009	23:12:41;	Bright;	30.0;	59;	55Alp	Oph	;	2.08;	8900;occ;	60;	0;	38160	
11;	2774.5;	17-JUN-2009	23:23:06;	Bright;	36.5;	5;	3Alp	Lyr	;	0.03;	11000;occ;	73;	0;	38160	
12;	2882.6;	17-JUN-2009	23:24:54;	Bright;	30.0;	69;	33Gam	Dra	;	2.23;	3800;occ;	60;	0;	38160	
13;	3471.8;	17-JUN-2009	23:34:44;	Bright;	31.5;	89;	5Alp	Cep	;	2.45;	8000;occ;	63;	0;	38160	
14;	3867.4;	17-JUN-2009	23:41:19;	Bright;	27.0;	74;	11Bet	Cas	;	2.27;	6600;occ;	54;	0;	38160	
15;	3952.9;	17-JUN-2009	23:42:45;	Bright;	26.0;	68;	18Alp	Cas	;	2.22;	4500;occ;	52;	0;	38160	
16;	4413.1;	17-JUN-2009	23:50:25;	Dark	;	26.5;	53;	43Bet	And	;	2.05;	3300;occ;	53;	0;	38160
17;	4690.4;	17-JUN-2009	23:55:02;	Dark	;	23.5;	105;	6Bet	Ari	;	2.64;	8900;occ;	47;	0;	38160
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2;	-2080.2;	17-JUN-2009	06:56:48;	Bright;	26.0;	68;	18Alp	Cas	;	2.22;	4500;occ;	52;	0;	38150	
3;	-1623.2;	17-JUN-2009	07:04:25;	Dark	;	26.0;	53;	43Bet	And	;	2.05;	3300;occ;	52;	0;	38150
4;	-1348.2;	17-JUN-2009	07:09:00;	Dark	;	23.5;	105;	6Bet	Ari	;	2.64;	8900;occ;	47;	0;	38150
5;	-556.1;	17-JUN-2009	07:22:12;	Dark	;	59.5;	0;			;	0.00;	0;occ;	119;	0;	38150
6;	-450.1;	17-JUN-2009	07:23:58;	Dark	;	34.5;	52;	16Bet	Cet	;	2.04;	4500;occ;	69;	0;	38150
7;	294.4;	17-JUN-2009	07:36:23;	Dark	;	34.0;	63;	Bet	Gru	;	2.15;	2800;occ;	68;	0;	38151
8;	417.8;	17-JUN-2009	07:38:26;	Dark	;	34.5;	31;	Alp	Gru	;	1.73;	15200;occ;	69;	0;	38151
9;	540.0;	17-JUN-2009	07:40:29;	Dark	;	42.5;	172;	Gam	Gru	;	3.00;	13100;occ;	85;	0;	38151
10;	1245.5;	17-JUN-2009	07:52:14;	Dark	;	33.0;	103;	38Zet	Sgr	;	2.60;	9700;occ;	66;	0;	38151
11;	1331.9;	17-JUN-2009	07:53:40;	Dark	;	33.5;	57;	34Sig	Sgr	;	2.07;	26000;occ;	67;	0;	38151
12;	1437.5;	17-JUN-2009	07:55:26;	Bright;	36.5;	155;	41Pi	Sgr	;	2.90;	6600;occ;	73;	0;	38151	
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1;	2002.5;	17-JUN-2009	08:04:51;	Bright;	31.0;	126;	60Bet	Oph	;	2.77;	4250;occ;	62;	0;	38151	
2;	2152.0;	17-JUN-2009	08:07:21;	Bright;	30.5;	59;	55Alp	Oph	;	2.08;	8900;occ;	61;	0;	38151	
3;	2782.3;	17-JUN-2009	08:17:51;	Bright;	37.0;	5;	3Alp	Lyr	;	0.03;	11000;occ;	74;	0;	38151	
4;	2886.8;	17-JUN-2009	08:19:35;	Bright;	30.5;	69;	33Gam	Dra	;	2.23;	3800;occ;	61;	0;	38151	
5;	3478.0;	17-JUN-2009	08:29:27;	Bright;	31.5;	89;	5Alp	Cep	;	2.45;	8000;occ;	63;	0;	38151	
6;	3870.7;	17-JUN-2009	08:35:59;	Bright;	27.0;	74;	11Bet	Cas	;	2.27;	6600;occ;	54;	0;	38151	
7;	3955.5;	17-JUN-2009	08:37:24;	Bright;	26.0;	68;	18Alp	Cas	;	2.22;	4500;occ;	52;	0;	38151	
8;	4412.6;	17-JUN-2009	08:45:01;	Dark	;	26.5;	53;	43Bet	And	;	2.05;	3300;occ;	53;	0;	38151
9;	4688.0;	17-JUN-2009	08:49:36;	Dark	;	23.5;	105;	6Bet	Ari	;	2.64;	8900;occ;	47;	0;	38151
10;	5481.0;	17-JUN-2009	09:02:49;	Dark	;	59.5;	0;			;	0.00;	0;occ;	119;	0;	38151
11;	5586.9;	17-JUN-2009	09:04:35;	Dark	;	34.5;	52;	16Bet	Cet	;	2.04;	4500;occ;	69;	0;	38151
12;	6331.4;	17-JUN-2009	09:17:00;	Dark	;	34.0;	63;	Bet	Gru	;	2.15;	2800;occ;	68;	0;	38151
13;	6454.4;	17-JUN-2009	09:19:03;	Dark	;	34.5;	31;	Alp	Gru	;	1.73;	15200;occ;	69;	0;	38151
14;	6577.2;	17-JUN-2009	09:21:06;	Dark	;	42.5;	172;	Gam	Gru	;	3.00;	13100;occ;	85;	0;	38151
15;	7281.8;	17-JUN-2009	09:32:50;	Dark	;	33.0;	103;	38Zet	Sgr	;	2.60;	9700;occ;	66;	0;	38151
16;	7368.6;	17-JUN-2009	09:34:17;	Dark	;	33.0;	57;	34Sig	Sgr	;	2.07;	26000;occ;	66;	0;	38151
17;	7473.9;	17-JUN-2009	09:36:02;	Bright;	36.0;	155;	41Pi	Sgr	;	2.90;	6600;occ;	72;	0;	38151	
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2;	2151.8;	17-JUN-2009	09:47:56;	Bright;	30.5;	59;	55Alp	Oph	;	2.08;	8900;occ;	61;	0;	38152	
3;	2781.5;	17-JUN-2009	09:58:26;	Bright;	36.5;	5;	3Alp	Lyr	;	0.03;	11000;occ;	73;	0;	38152	
4;	2886.6;	17-JUN-2009	10:00:11;	Bright;	30.0;	69;	33Gam	Dra	;	2.23;	3800;occ;	60;	0;	38152	
5;	3477.1;	17-JUN-2009	10:10:01;	Bright;	31.5;	89;	5Alp	Cep	;	2.45;	8000;occ;	63;	0;	38152	
6;	3870.3;	17-JUN-2009	10:16:35;	Bright;	27.0;	74;	11Bet	Cas	;	2.27;	6600;occ;	54;	0;	38152	
7;	3955.2;	17-JUN-2009	10:18:00;	Bright;	25.5;	68;	18Alp	Cas	;	2.22;	4500;occ;	51;	0;	38152	
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9;	4688.2;	17-JUN-2009	10:30:13;	Dark	;	24.0;	105;	6Bet	Ari	;	2.64;	8900;occ;	48;	0;	38152
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13;	6455.7;	17-JUN-2009	10:59:40;	Dark	;	34.5;	31;	Alp	Gru	;	1.73;	15200;occ;	69;	0;	38152

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16; 7368.5; 17-JUN-2009 11:14:53; Dark ; 33.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 66; 0;38152
17; 7473.9; 17-JUN-2009 11:16:38; Bright; 36.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 73; 0;38152
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 3; 2780.5; 17-JUN-2009 11:39:01; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0;38153
 4; 2885.9; 17-JUN-2009 11:40:46; Bright; 30.0; 69; 33Gam Dra ; 2.23; 3800;occ; 60; 0;38153
 5; 3476.5; 17-JUN-2009 11:50:37; Bright; 31.5; 89; 5Alp Cep ; 2.45; 8000;occ; 63; 0;38153
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 7; 3954.8; 17-JUN-2009 11:58:35; Bright; 26.0; 68; 18Alp Cas ; 2.22; 4500;occ; 52; 0;38153
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 9; 4688.5; 17-JUN-2009 12:10:49; Dark ; 24.0; 105; 6Bet Ari ; 2.64; 8900;occ; 48; 0;38153
10; 5483.3; 17-JUN-2009 12:24:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38153
11; 5589.0; 17-JUN-2009 12:25:49; Dark ; 35.0; 52; 16Bet Cet ; 2.04; 4500;occ; 70; 0;38153
12; 6333.0; 17-JUN-2009 12:38:13; Dark ; 34.5; 63; Bet Gru ; 2.15; 2800;occ; 69; 0;38153
13; 6456.4; 17-JUN-2009 12:40:17; Dark ; 34.5; 31; Alp Gru ; 1.73; 15200;occ; 69; 0;38153
14; 6579.7; 17-JUN-2009 12:42:20; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;38153
15; 7282.6; 17-JUN-2009 12:54:03; Dark ; 33.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 66; 0;38153
16; 7369.0; 17-JUN-2009 12:55:29; Dark ; 33.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 66; 0;38153
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 5; 3869.6; 17-JUN-2009 13:37:46; Bright; 27.0; 74; 11Bet Cas ; 2.27; 6600;occ; 54; 0;38154
 6; 3954.7; 17-JUN-2009 13:39:11; Bright; 26.0; 68; 18Alp Cas ; 2.22; 4500;occ; 52; 0;38154
 7; 4412.9; 17-JUN-2009 13:46:49; Dark ; 26.0; 53; 43Bet And ; 2.05; 3300;occ; 52; 0;38154
 8; 4688.7; 17-JUN-2009 13:51:25; Dark ; 24.0; 105; 6Bet Ari ; 2.64; 8900;occ; 48; 0;38154
 9; 5484.6; 17-JUN-2009 14:04:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38154
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11; 6334.0; 17-JUN-2009 14:18:50; Dark ; 34.5; 63; Bet Gru ; 2.15; 2800;occ; 69; 0;38154
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13; 6580.9; 17-JUN-2009 14:22:57; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;38154
14; 7283.2; 17-JUN-2009 14:34:39; Dark ; 32.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 65; 0;38154
15; 7369.3; 17-JUN-2009 14:36:05; Dark ; 33.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 66; 0;38154
16; 7474.3; 17-JUN-2009 14:37:50; Bright; 36.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 73; 0;38154
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 2; 2001.9; 17-JUN-2009 14:47:14; Bright; 30.5; 126; 60Bet Oph ; 2.77; 4250;occ; 61; 0;38155
 3; 2151.1; 17-JUN-2009 14:49:43; Bright; 30.5; 59; 55Alp Oph ; 2.08; 8900;occ; 61; 0;38155
 4; 2779.0; 17-JUN-2009 15:00:11; Bright; 36.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 73; 0;38155
 5; 2885.1; 17-JUN-2009 15:01:57; Bright; 30.0; 69; 33Gam Dra ; 2.23; 3800;occ; 60; 0;38155
 6; 3475.4; 17-JUN-2009 15:11:47; Bright; 31.5; 89; 5Alp Cep ; 2.45; 8000;occ; 63; 0;38155
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13; 6335.0; 17-JUN-2009 15:59:27; Dark ; 34.5; 63; Bet Gru ; 2.15; 2800;occ; 69; 0;38155
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 5; 553.2; 18-JUN-2009 00:26:41; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;38161
 6; 1249.5; 18-JUN-2009 00:38:17; Dark ; 33.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 66; 0;38161
 7; 1335.4; 18-JUN-2009 00:39:43; Dark ; 33.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 66; 0;38161
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 9; 2000.7; 18-JUN-2009 00:50:48; Bright; 30.5; 126; 60Bet Oph ; 2.77; 4250;occ; 61; 0;38161
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5; 554.2; 18-JUN-2009 02:07:18; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;38162
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11; 2772.7; 18-JUN-2009 02:44:16; Bright; 36.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 73; 0;38162
12; 2881.8; 18-JUN-2009 02:46:05; Bright; 30.0; 69; 33Gam Dra ; 2.23; 3800;occ; 60; 0;38162
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13; 2000.4; 18-JUN-2009 04:12:00; Bright; 30.0; 126; 60Bet Oph ; 2.77; 4250;occ; 60; 0;38163
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2; 1339.6; 18-JUN-2009 20:46:59; Dark ; 32.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 64; 0;38173
3; 1442.9; 18-JUN-2009 20:48:42; Bright; 36.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 72; 0;38173
4; 1998.5; 18-JUN-2009 20:57:57; Bright; 29.5; 126; 60Bet Oph ; 2.77; 4250;occ; 59; 0;38173
5; 2146.5; 18-JUN-2009 21:00:25; Bright; 29.5; 59; 55Alp Oph ; 2.08; 8900;occ; 59; 0;38173
6; 2763.8; 18-JUN-2009 21:10:43; Bright; 35.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 71; 0;38173
7; 2876.6; 18-JUN-2009 21:12:36; Bright; 29.5; 69; 33Gam Dra ; 2.23; 3800;occ; 59; 0;38173
8; 3463.0; 18-JUN-2009 21:22:22; Bright; 31.0; 89; 5Alp Cep ; 2.45; 8000;occ; 62; 0;38173
9; 3862.6; 18-JUN-2009 21:29:02; Bright; 27.0; 74; 11Bet Cas ; 2.27; 6600;occ; 54; 0;38173
10; 3949.3; 18-JUN-2009 21:30:28; Bright; 25.5; 68; 18Alp Cas ; 2.22; 4500;occ; 51; 0;38173
11; 4413.9; 18-JUN-2009 21:38:13; Dark ; 25.5; 53; 43Bet And ; 2.05; 3300;occ; 51; 0;38173

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1;	-527.8;	18-JUN-2009	21:56:27;	Dark ;	59.5;	0;	;	0.00;	0;occ;	119;	0;	38173
2;	-424.2;	18-JUN-2009	21:58:11;	Dark ;	35.5;	52;	16Bet Cet ;	2.04;	4500;occ;	71;	0;	38173
3;	316.9;	18-JUN-2009	22:10:32;	Dark ;	34.0;	63;	Bet Gru ;	2.15;	2800;occ;	68;	0;	38174
4;	440.0;	18-JUN-2009	22:12:35;	Dark ;	34.5;	31;	Alp Gru ;	1.73;	15200;occ;	69;	0;	38174
5;	570.1;	18-JUN-2009	22:14:45;	Dark ;	41.5;	172;	Gam Gru ;	3.00;	13100;occ;	83;	0;	38174
6;	1255.3;	18-JUN-2009	22:26:10;	Dark ;	32.0;	103;	38Zet Sgr ;	2.60;	9700;occ;	64;	0;	38174
7;	1339.9;	18-JUN-2009	22:27:35;	Dark ;	32.0;	57;	34Sig Sgr ;	2.07;	26000;occ;	64;	0;	38174
8;	1443.2;	18-JUN-2009	22:29:18;	Bright;	35.5;	155;	41Pi Sgr ;	2.90;	6600;occ;	71;	0;	38174
9;	1998.2;	18-JUN-2009	22:38:33;	Bright;	30.0;	126;	60Bet Oph ;	2.77;	4250;occ;	60;	0;	38174
10;	2146.3;	18-JUN-2009	22:41:01;	Bright;	29.5;	59;	55Alp Oph ;	2.08;	8900;occ;	59;	0;	38174
11;	2762.7;	18-JUN-2009	22:51:18;	Bright;	35.5;	5;	3Alp Lyr ;	0.03;	11000;occ;	71;	0;	38174
12;	2876.2;	18-JUN-2009	22:53:11;	Bright;	29.5;	69;	33Gam Dra ;	2.23;	3800;occ;	59;	0;	38174
13;	3462.1;	18-JUN-2009	23:02:57;	Bright;	31.0;	89;	5Alp Cep ;	2.45;	8000;occ;	62;	0;	38174
14;	3862.2;	18-JUN-2009	23:09:37;	Bright;	27.0;	74;	11Bet Cas ;	2.27;	6600;occ;	54;	0;	38174
15;	3949.1;	18-JUN-2009	23:11:04;	Bright;	25.5;	68;	18Alp Cas ;	2.22;	4500;occ;	51;	0;	38174
16;	4413.9;	18-JUN-2009	23:18:49;	Dark ;	26.5;	53;	43Bet And ;	2.05;	3300;occ;	53;	0;	38174
17;	4694.6;	18-JUN-2009	23:23:29;	Dark ;	23.5;	105;	6Bet Ari ;	2.64;	8900;occ;	47;	0;	38174

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1;	-526.5;	18-JUN-2009	23:37:04;	Dark ;	59.5;	0;	;	0.00;	0;occ;	119;	0;	38174
2;	-423.1;	18-JUN-2009	23:38:48;	Dark ;	35.5;	52;	16Bet Cet ;	2.04;	4500;occ;	71;	0;	38174
3;	317.5;	18-JUN-2009	23:51:08;	Dark ;	34.5;	63;	Bet Gru ;	2.15;	2800;occ;	69;	0;	38175
4;	440.9;	18-JUN-2009	23:53:12;	Dark ;	34.5;	31;	Alp Gru ;	1.73;	15200;occ;	69;	0;	38175
5;	571.0;	18-JUN-2009	23:55:22;	Dark ;	42.0;	172;	Gam Gru ;	3.00;	13100;occ;	84;	0;	38175
6;	1255.5;	19-JUN-2009	00:06:46;	Dark ;	32.0;	103;	38Zet Sgr ;	2.60;	9700;occ;	64;	0;	38175
7;	1340.0;	19-JUN-2009	00:08:11;	Dark ;	32.5;	57;	34Sig Sgr ;	2.07;	26000;occ;	65;	0;	38175
8;	1443.4;	19-JUN-2009	00:09:54;	Bright;	35.5;	155;	41Pi Sgr ;	2.90;	6600;occ;	71;	0;	38175
9;	1998.0;	19-JUN-2009	00:19:09;	Bright;	29.5;	126;	60Bet Oph ;	2.77;	4250;occ;	59;	0;	38175
10;	2146.1;	19-JUN-2009	00:21:37;	Bright;	29.5;	59;	55Alp Oph ;	2.08;	8900;occ;	59;	0;	38175
11;	2761.9;	19-JUN-2009	00:31:53;	Bright;	35.5;	5;	3Alp Lyr ;	0.03;	11000;occ;	71;	0;	38175
12;	2875.6;	19-JUN-2009	00:33:46;	Bright;	29.5;	69;	33Gam Dra ;	2.23;	3800;occ;	59;	0;	38175
13;	3461.2;	19-JUN-2009	00:43:32;	Bright;	31.5;	89;	5Alp Cep ;	2.45;	8000;occ;	63;	0;	38175
14;	3861.7;	19-JUN-2009	00:50:12;	Bright;	27.0;	74;	11Bet Cas ;	2.27;	6600;occ;	54;	0;	38175
15;	3948.9;	19-JUN-2009	00:51:40;	Bright;	25.5;	68;	18Alp Cas ;	2.22;	4500;occ;	51;	0;	38175
16;	4413.9;	19-JUN-2009	00:59:25;	Dark ;	26.0;	53;	43Bet And ;	2.05;	3300;occ;	52;	0;	38175
17;	4695.0;	19-JUN-2009	01:04:06;	Dark ;	23.5;	105;	6Bet Ari ;	2.64;	8900;occ;	47;	0;	38175

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1;	-2170.0;	18-JUN-2009	06:23:41;	Bright;	27.0;	74;	11Bet Cas ;	2.27;	6600;occ;	54;	0;	38164
2;	-2083.9;	18-JUN-2009	06:25:08;	Bright;	25.5;	68;	18Alp Cas ;	2.22;	4500;occ;	51;	0;	38164
3;	-1622.5;	18-JUN-2009	06:32:49;	Dark ;	26.5;	53;	43Bet And ;	2.05;	3300;occ;	53;	0;	38164
4;	-1344.0;	18-JUN-2009	06:37:27;	Dark ;	23.5;	105;	6Bet Ari ;	2.64;	8900;occ;	47;	0;	38164
5;	-539.1;	18-JUN-2009	06:50:52;	Dark ;	59.5;	0;	;	0.00;	0;occ;	119;	0;	38164
6;	-434.5;	18-JUN-2009	06:52:37;	Dark ;	35.5;	52;	16Bet Cet ;	2.04;	4500;occ;	71;	0;	38164
7;	307.9;	18-JUN-2009	07:04:59;	Dark ;	34.5;	63;	Bet Gru ;	2.15;	2800;occ;	69;	0;	38165
8;	431.3;	18-JUN-2009	07:07:03;	Dark ;	34.5;	31;	Alp Gru ;	1.73;	15200;occ;	69;	0;	38165
9;	558.2;	18-JUN-2009	07:09:10;	Dark ;	42.5;	172;	Gam Gru ;	3.00;	13100;occ;	85;	0;	38165
10;	1251.5;	18-JUN-2009	07:20:43;	Dark ;	32.0;	103;	38Zet Sgr ;	2.60;	9700;occ;	64;	0;	38165
11;	1336.9;	18-JUN-2009	07:22:08;	Dark ;	32.5;	57;	34Sig Sgr ;	2.07;	26000;occ;	65;	0;	38165
12;	1441.2;	18-JUN-2009	07:23:53;	Bright;	35.5;	155;	41Pi Sgr ;	2.90;	6600;occ;	71;	0;	38165

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1;	1999.9;	18-JUN-2009	07:33:11;	Bright;	30.0;	126;	60Bet Oph ;	2.77;	4250;occ;	60;	0;	38165
2;	2148.4;	18-JUN-2009	07:35:40;	Bright;	30.0;	59;	55Alp Oph ;	2.08;	8900;occ;	60;	0;	38165
3;	2770.4;	18-JUN-2009	07:46:02;	Bright;	36.0;	5;	3Alp Lyr ;	0.03;	11000;occ;	72;	0;	38165
4;	2880.3;	18-JUN-2009	07:47:52;	Bright;	30.0;	69;	33Gam Dra ;	2.23;	3800;occ;	60;	0;	38165
5;	3468.5;	18-JUN-2009	07:57:40;	Bright;	31.0;	89;	5Alp Cep ;	2.45;	8000;occ;	62;	0;	38165
6;	3865.7;	18-JUN-2009	08:04:17;	Bright;	26.5;	74;	11Bet Cas ;	2.27;	6600;occ;	53;	0;	38165
7;	3951.7;	18-JUN-2009	08:05:43;	Bright;	25.5;	68;	18Alp Cas ;	2.22;	4500;occ;	51;	0;	38165
8;	4413.4;	18-JUN-2009	08:13:25;	Dark ;	26.5;	53;	43Bet And ;	2.05;	3300;occ;	53;	0;	38165
9;	4692.0;	18-JUN-2009	08:18:03;	Dark ;	24.0;	105;	6Bet Ari ;	2.64;	8900;occ;	48;	0;	38165
10;	5498.1;	18-JUN-2009	08:31:30;	Dark ;	59.5;	0;	;	0.00;	0;occ;	119;	0;	38165
11;	5602.6;	18-JUN-2009	08:33:14;	Dark ;	35.5;	52;	16Bet Cet ;	2.04;	4500;occ;	71;	0;	38165
12;	6344.7;	18-JUN-2009	08:45:36;	Dark ;	34.5;	63;	Bet Gru ;	2.15;	2800;occ;	69;	0;	38165
13;	6468.1;	18-JUN-2009	08:47:40;	Dark ;	34.5;	31;	Alp Gru ;	1.73;	15200;occ;	69;	0;	38165
14;	6595.4;	18-JUN-2009	08:49:47;	Dark ;	42.0;	172;	Gam Gru ;	3.00;	13100;occ;	84;	0;	38165
15;	7287.8;	18-JUN-2009	09:01:19;	Dark ;	32.5;	103;	38Zet Sgr ;	2.60;	9700;occ;	65;	0;	38165
16;	7373.2;	18-JUN-2009	09:02:45;	Dark ;	32.5;	57;	34Sig Sgr ;	2.07;	26000;occ;	65;	0;	38165
17;	7477.3;	18-JUN-2009	09:04:29;	Bright;	35.5;	155;	41Pi Sgr ;	2.90;	6600;occ;	71;	0;	38165

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1; 1999.8; 18-JUN-2009 09:13:47; Bright; 30.0; 126; 60Bet Oph ; 2.77; 4250;occ; 60; 0;38166
2; 2148.1; 18-JUN-2009 09:16:15; Bright; 30.0; 59; 55Alp Oph ; 2.08; 8900;occ; 60; 0;38166
3; 2769.5; 18-JUN-2009 09:26:37; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;38166
4; 2879.8; 18-JUN-2009 09:28:27; Bright; 30.0; 69; 33Gam Dra ; 2.23; 3800;occ; 60; 0;38166
5; 3467.8; 18-JUN-2009 09:38:15; Bright; 31.5; 89; 5Alp Cep ; 2.45; 8000;occ; 63; 0;38166
6; 3865.2; 18-JUN-2009 09:44:53; Bright; 27.0; 74; 11Bet Cas ; 2.27; 6600;occ; 54; 0;38166
7; 3951.5; 18-JUN-2009 09:46:19; Bright; 25.5; 68; 18Alp Cas ; 2.22; 4500;occ; 51; 0;38166
8; 4413.4; 18-JUN-2009 09:54:01; Dark ; 26.5; 53; 43Bet And ; 2.05; 3300;occ; 53; 0;38166
9; 4692.4; 18-JUN-2009 09:58:40; Dark ; 24.0; 105; 6Bet Ari ; 2.64; 8900;occ; 48; 0;38166
10; 5499.3; 18-JUN-2009 10:12:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38166
11; 5603.7; 18-JUN-2009 10:13:51; Dark ; 35.0; 52; 16Bet Cet ; 2.04; 4500;occ; 70; 0;38166
12; 6345.8; 18-JUN-2009 10:26:13; Dark ; 34.5; 63; Bet Gru ; 2.15; 2800;occ; 69; 0;38166
13; 6468.9; 18-JUN-2009 10:28:16; Dark ; 35.0; 31; Alp Gru ; 1.73; 15200;occ; 70; 0;38166
14; 6596.6; 18-JUN-2009 10:30:24; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;38166
15; 7288.2; 18-JUN-2009 10:41:56; Dark ; 32.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 64; 0;38166
16; 7373.4; 18-JUN-2009 10:43:21; Dark ; 32.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 65; 0;38166
17; 7477.5; 18-JUN-2009 10:45:05; Bright; 35.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 71; 0;38166
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2; 2147.8; 18-JUN-2009 10:56:51; Bright; 30.0; 59; 55Alp Oph ; 2.08; 8900;occ; 60; 0;38167
3; 2768.6; 18-JUN-2009 11:07:12; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;38167
4; 2879.2; 18-JUN-2009 11:09:02; Bright; 30.0; 69; 33Gam Dra ; 2.23; 3800;occ; 60; 0;38167
5; 3467.1; 18-JUN-2009 11:18:50; Bright; 31.0; 89; 5Alp Cep ; 2.45; 8000;occ; 62; 0;38167
6; 3864.9; 18-JUN-2009 11:25:28; Bright; 26.5; 74; 11Bet Cas ; 2.27; 6600;occ; 53; 0;38167
7; 3951.1; 18-JUN-2009 11:26:54; Bright; 25.5; 68; 18Alp Cas ; 2.22; 4500;occ; 51; 0;38167
8; 4413.5; 18-JUN-2009 11:34:37; Dark ; 26.5; 53; 43Bet And ; 2.05; 3300;occ; 53; 0;38167
9; 4692.6; 18-JUN-2009 11:39:16; Dark ; 24.0; 105; 6Bet Ari ; 2.64; 8900;occ; 48; 0;38167
10; 5500.5; 18-JUN-2009 11:52:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38167
11; 5604.8; 18-JUN-2009 11:54:28; Dark ; 35.5; 52; 16Bet Cet ; 2.04; 4500;occ; 71; 0;38167
12; 6346.8; 18-JUN-2009 12:06:50; Dark ; 34.5; 63; Bet Gru ; 2.15; 2800;occ; 69; 0;38167
13; 6469.8; 18-JUN-2009 12:08:53; Dark ; 35.0; 31; Alp Gru ; 1.73; 15200;occ; 70; 0;38167
14; 6597.9; 18-JUN-2009 12:11:01; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;38167
15; 7288.5; 18-JUN-2009 12:22:32; Dark ; 32.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 64; 0;38167
16; 7373.7; 18-JUN-2009 12:23:57; Dark ; 32.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 65; 0;38167
17; 7477.7; 18-JUN-2009 12:25:41; Bright; 35.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 71; 0;38167
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2; 2147.6; 18-JUN-2009 12:37:27; Bright; 30.0; 59; 55Alp Oph ; 2.08; 8900;occ; 60; 0;38168
3; 2767.9; 18-JUN-2009 12:47:47; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;38168
4; 2879.0; 18-JUN-2009 12:49:38; Bright; 30.0; 69; 33Gam Dra ; 2.23; 3800;occ; 60; 0;38168
5; 3466.6; 18-JUN-2009 12:59:26; Bright; 31.0; 89; 5Alp Cep ; 2.45; 8000;occ; 62; 0;38168
6; 3864.5; 18-JUN-2009 13:06:04; Bright; 26.5; 74; 11Bet Cas ; 2.27; 6600;occ; 53; 0;38168
7; 3950.8; 18-JUN-2009 13:07:30; Bright; 25.5; 68; 18Alp Cas ; 2.22; 4500;occ; 51; 0;38168
8; 4413.8; 18-JUN-2009 13:15:13; Dark ; 26.0; 53; 43Bet And ; 2.05; 3300;occ; 52; 0;38168
9; 4693.0; 18-JUN-2009 13:19:52; Dark ; 24.0; 105; 6Bet Ari ; 2.64; 8900;occ; 48; 0;38168
10; 5501.8; 18-JUN-2009 13:33:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38168
11; 5606.0; 18-JUN-2009 13:35:05; Dark ; 35.0; 52; 16Bet Cet ; 2.04; 4500;occ; 70; 0;38168
12; 6347.6; 18-JUN-2009 13:47:27; Dark ; 34.5; 63; Bet Gru ; 2.15; 2800;occ; 69; 0;38168
13; 6471.1; 18-JUN-2009 13:49:30; Dark ; 34.5; 31; Alp Gru ; 1.73; 15200;occ; 69; 0;38168
14; 6599.2; 18-JUN-2009 13:51:38; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;38168
15; 7289.2; 18-JUN-2009 14:03:08; Dark ; 32.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 64; 0;38168
16; 7374.2; 18-JUN-2009 14:04:33; Dark ; 32.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 65; 0;38168
17; 7477.8; 18-JUN-2009 14:06:17; Bright; 35.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 71; 0;38168
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3; 2767.1; 18-JUN-2009 14:28:22; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;38169
4; 2878.5; 18-JUN-2009 14:30:14; Bright; 30.0; 69; 33Gam Dra ; 2.23; 3800;occ; 60; 0;38169
5; 3465.7; 18-JUN-2009 14:40:01; Bright; 31.5; 89; 5Alp Cep ; 2.45; 8000;occ; 63; 0;38169
6; 3864.2; 18-JUN-2009 14:46:39; Bright; 27.0; 74; 11Bet Cas ; 2.27; 6600;occ; 54; 0;38169
7; 3950.7; 18-JUN-2009 14:48:06; Bright; 25.5; 68; 18Alp Cas ; 2.22; 4500;occ; 51; 0;38169
8; 4413.8; 18-JUN-2009 14:55:49; Dark ; 26.0; 53; 43Bet And ; 2.05; 3300;occ; 52; 0;38169
9; 4693.3; 18-JUN-2009 15:00:28; Dark ; 24.0; 105; 6Bet Ari ; 2.64; 8900;occ; 48; 0;38169
10; 5503.1; 18-JUN-2009 15:13:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38169
11; 5607.1; 18-JUN-2009 15:15:42; Dark ; 35.5; 52; 16Bet Cet ; 2.04; 4500;occ; 71; 0;38169
12; 6348.8; 18-JUN-2009 15:28:04; Dark ; 34.5; 63; Bet Gru ; 2.15; 2800;occ; 69; 0;38169
13; 6472.3; 18-JUN-2009 15:30:07; Dark ; 34.5; 31; Alp Gru ; 1.73; 15200;occ; 69; 0;38169
14; 6600.5; 18-JUN-2009 15:32:16; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;38169

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15; 7289.4; 18-JUN-2009 15:43:44; Dark ; 32.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 64; 0;38169
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3;	-1621.8;	19-JUN-2009	06:01:13;	Dark	;	26.5;	53;	43Bet And	;	2.05;	3300;occ;	53;	0;	38178
4;	-1340.0;	19-JUN-2009	06:05:54;	Dark	;	24.0;	105;	6Bet Ari	;	2.64;	8900;occ;	48;	0;	38178
5;	-521.3;	19-JUN-2009	06:19:33;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	38178
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2;	446.1;	19-JUN-2009	08:16:17;	Dark	;	34.5;	31;	Alp Gru	;	1.73;	15200;occ;	69;	0;	38180
3;	577.5;	19-JUN-2009	08:18:28;	Dark	;	42.5;	172;	Gam Gru	;	3.00;	13100;occ;	85;	0;	38180
4;	1223.9;	19-JUN-2009	08:29:14;	Dark	;	28.0;	38;	20Eps Sgr	;	1.84;	11000;occ;	56;	0;	38180
5;	1311.5;	19-JUN-2009	08:30:42;	Dark	;	28.5;	116;	19Del Sgr	;	2.70;	4100;occ;	57;	0;	38180
6;	1444.8;	19-JUN-2009	08:32:55;	Bright;	35.0;	155;	41Pi Sgr	;	2.90;	6600;occ;	70;	0;	38180	
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2;	2144.7;	19-JUN-2009	08:44:35;	Bright;	29.5;	59;	55Alp Oph	;	2.08;	8900;occ;	59;	0;	38180	
3;	2758.0;	19-JUN-2009	08:54:48;	Bright;	35.5;	5;	3Alp Lyr	;	0.03;	11000;occ;	71;	0;	38180	
4;	2873.6;	19-JUN-2009	08:56:44;	Bright;	29.5;	69;	33Gam Dra	;	2.23;	3800;occ;	59;	0;	38180	
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6;	3860.0;	19-JUN-2009	09:13:10;	Bright;	27.0;	74;	11Bet Cas	;	2.27;	6600;occ;	54;	0;	38180	
7;	3947.4;	19-JUN-2009	09:14:38;	Bright;	26.0;	68;	18Alp Cas	;	2.22;	4500;occ;	52;	0;	38180	
8;	4270.8;	19-JUN-2009	09:20:01;	Bright;	22.5;	73;	57Gam1And	;	2.26;	13100;occ;	45;	0;	38180	
9;	4414.3;	19-JUN-2009	09:22:25;	Dark	;	26.5;	53;	43Bet And	;	2.05;	3300;occ;	53;	0;	38180
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4;	2873.1;	19-JUN-2009	10:37:19;	Bright;	29.5;	69;	33Gam Dra	;	2.23;	3800;occ;	59;	0;	38181	
5;	3457.5;	19-JUN-2009	10:47:04;	Bright;	31.0;	89;	5Alp Cep	;	2.45;	8000;occ;	62;	0;	38181	
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9; 1447.2; 20-JUN-2009 02:59:33; Bright; 35.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 71; 0;38191
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6; 3853.8; 20-JUN-2009 12:02:39; Bright; 27.0; 74; 11Bet Cas ; 2.27; 6600;occ; 54; 0;38196
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8; 4270.8; 20-JUN-2009 12:09:36; Bright; 22.5; 73; 57Gam1And ; 2.26; 13100;occ; 45; 0;38196
9; 4414.9; 20-JUN-2009 12:12:00; Dark ; 27.0; 53; 43Bet And ; 2.05; 3300;occ; 54; 0;38196
10; 4636.7; 20-JUN-2009 12:15:42; Dark ; 23.5; 50; 13Alp Ari ; 2.01; 4250;occ; 47; 0;38196
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14; 6375.4; 20-JUN-2009 12:44:41; Dark ; 34.5; 63; Bet Gru ; 2.15; 2800;occ; 69; 0;38196
15; 6498.3; 20-JUN-2009 12:46:44; Dark ; 34.5; 31; Alp Gru ; 1.73; 15200;occ; 69; 0;38196
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19; 7484.6; 20-JUN-2009 13:03:10; Bright; 34.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 69; 0;38196

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3; 2744.2; 20-JUN-2009 13:24:45; Bright; 35.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 71; 0;38197
4; 2844.0; 20-JUN-2009 13:26:25; Bright; 28.5; 130; 23Bet Dra ; 2.80; 5800;occ; 57; 0;38197
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6; 3853.4; 20-JUN-2009 13:43:14; Bright; 27.0; 74; 11Bet Cas ; 2.27; 6600;occ; 54; 0;38197
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8; 4270.9; 20-JUN-2009 13:50:12; Bright; 22.5; 73; 57Gam1And ; 2.26; 13100;occ; 45; 0;38197
9; 4415.1; 20-JUN-2009 13:52:36; Dark ; 27.0; 53; 43Bet And ; 2.05; 3300;occ; 54; 0;38197
10; 4636.9; 20-JUN-2009 13:56:18; Dark ; 23.5; 50; 13Alp Ari ; 2.01; 4250;occ; 47; 0;38197
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3; 2140.7; 20-JUN-2009 14:55:18; Bright; 29.0; 59; 55Alp Oph ; 2.08; 8900;occ; 58; 0;38198
4; 2743.4; 20-JUN-2009 15:05:20; Bright; 35.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 71; 0;38198
5; 2843.7; 20-JUN-2009 15:07:01; Bright; 28.0; 130; 23Bet Dra ; 2.80; 5800;occ; 56; 0;38198
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6; 2743.0; 20-JUN-2009 16:45:56; Bright; 35.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 70; 0;38199
7; 2843.5; 20-JUN-2009 16:47:36; Bright; 28.0; 130; 23Bet Dra ; 2.80; 5800;occ; 56; 0;38199
8; 3444.9; 20-JUN-2009 16:57:38; Bright; 31.5; 89; 5Alp Cep ; 2.45; 8000;occ; 63; 0;38199
9; 3852.6; 20-JUN-2009 17:04:26; Bright; 27.5; 74; 11Bet Cas ; 2.27; 6600;occ; 55; 0;38199
10; 3941.8; 20-JUN-2009 17:05:55; Bright; 26.0; 68; 18Alp Cas ; 2.22; 4500;occ; 52; 0;38199
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5; 4271.2; 21-JUN-2009 13:18:35; Bright; 22.5; 73; 57Gam1And ; 2.26; 13100;occ; 45; 0;38211
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2; 1992.0; 21-JUN-2009 16:01:48; Bright; 29.0; 126; 60Bet Oph ; 2.77; 4250;occ; 58; 0;38213
3; 2137.6; 21-JUN-2009 16:04:13; Bright; 29.0; 59; 55Alp Oph ; 2.08; 8900;occ; 58; 0;38213
4; 2839.5; 21-JUN-2009 16:15:55; Bright; 28.0; 130; 23Bet Dra ; 2.80; 5800;occ; 56; 0;38213
5; 3876.7; 21-JUN-2009 16:33:13; Bright; 24.5; 76; 27Gam Cas ; 2.30; 30000;occ; 49; 0;38213
6; 4271.1; 21-JUN-2009 16:39:47; Bright; 23.0; 73; 57Gam1And ; 2.26; 13100;occ; 46; 0;38213
7; 4413.9; 21-JUN-2009 16:42:10; Dark ; 22.5; 173; 4Bet Tri ; 3.00; 8900;occ; 45; 0;38213
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4; 1991.6; 21-JUN-2009 17:42:23; Bright; 29.0; 126; 60Bet Oph ; 2.77; 4250;occ; 58; 0;38214
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6; 2838.7; 21-JUN-2009 17:56:31; Bright; 28.5; 130; 23Bet Dra ; 2.80; 5800;occ; 57; 0;38214
7; 3876.4; 21-JUN-2009 18:13:48; Bright; 25.0; 76; 27Gam Cas ; 2.30; 30000;occ; 50; 0;38214
8; 4271.6; 21-JUN-2009 18:20:23; Bright; 22.5; 73; 57Gam1And ; 2.26; 13100;occ; 45; 0;38214
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15; 6712.8; 21-JUN-2009 20:41:41; Dark ; 28.0; 45; Alp Pav ; 1.94; 26000;occ; 56; 0;38215
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 3; 1624.2; 21-JUN-2009 20:57:28; Bright; 26.0; 86; 35Eta Oph ; 2.43; 10200;occ; 52; 0;38216
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 6; 2838.3; 21-JUN-2009 21:17:42; Bright; 28.0; 130; 23Bet Dra ; 2.80; 5800;occ; 56; 0;38216
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 8; 4271.2; 21-JUN-2009 21:41:35; Bright; 22.5; 73; 57Gam1And ; 2.26; 13100;occ; 45; 0;38216
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10; 4641.7; 21-JUN-2009 21:47:46; Dark ; 23.0; 50; 13Alp Ari ; 2.01; 4250;occ; 47; 0;38216
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 5; 1236.2; 21-JUN-2009 22:31:36; Dark ; 28.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 56; 0;38217
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 7; 1991.0; 21-JUN-2009 22:44:11; Bright; 29.0; 126; 60Bet Oph ; 2.77; 4250;occ; 58; 0;38217
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 9; 2838.0; 21-JUN-2009 22:58:18; Bright; 28.0; 130; 23Bet Dra ; 2.80; 5800;occ; 56; 0;38217
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13; 4414.3; 22-JUN-2009 01:05:10; Dark ; 22.5; 173; 4Bet Tri ; 3.00; 8900;occ; 45; 0;38218
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13; 2446.5; 24-JUN-2009 04:30:56; Bright; 26.0; 133; 40Zet Her ; 2.81; 6000;occ; 52; 0;38249
14; 2829.3; 24-JUN-2009 04:37:19; Bright; 27.5; 130; 23Bet Dra ; 2.80; 5800;occ; 55; 0;38249
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14;	2689.9;	26-JUN-2009	03:31:45;	Bright;	;	32.5;	5;	3Alp Lyr	;	0.03;	11000;	occ;	65;	0;	38277
15;	2822.6;	26-JUN-2009	03:33:58;	Bright;	;	27.5;	130;	23Bet Dra	;	2.80;	5800;	occ;	55;	0;	38277
16;	3391.5;	26-JUN-2009	03:43:27;	Bright;	;	30.5;	89;	5Alp Cep	;	2.45;	8000;	occ;	61;	0;	38277
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2;	-2120.8;	26-JUN-2009	03:52:10;	Bright;	;	27.0;	68;	18Alp Cas	;	2.22;	4500;	occ;	54;	0;	38277
3;	-1970.7;	26-JUN-2009	03:54:41;	Bright;	;	21.0;	160;	23Gam Per	;	2.93;	4700;	occ;	42;	0;	38277
4;	-1765.9;	26-JUN-2009	03:58:05;	Bright;	;	23.5;	73;	57Gam1And	;	2.26;	13100;	occ;	47;	0;	38277
5;	-1616.5;	26-JUN-2009	04:00:35;	Dark	;	23.5;	173;	4Bet Tri	;	3.00;	8900;	occ;	47;	0;	38277
6;	-1377.5;	26-JUN-2009	04:04:34;	Dark	;	25.0;	50;	13Alp Ari	;	2.01;	4250;	occ;	50;	0;	38277
7;	-589.3;	26-JUN-2009	04:17:42;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	38277
8;	29.3;	26-JUN-2009	04:28:01;	Dark	;	33.0;	84;	Alp Phe	;	2.40;	4500;	occ;	66;	0;	38278
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11;	1255.3;	26-JUN-2009	04:48:26;	Dark	;	26.5;	38;	20Eps Sgr	;	1.84;	11000;	occ;	53;	0;	38278
12;	1339.1;	26-JUN-2009	04:49:50;	Dark	;	27.0;	116;	19Del Sgr	;	2.70;	4100;	occ;	54;	0;	38278
13;	1467.4;	26-JUN-2009	04:51:59;	Bright;	;	31.5;	155;	41Pi Sgr	;	2.90;	6600;	occ;	63;	0;	38278
14;	1985.2;	26-JUN-2009	05:00:36;	Bright;	;	27.5;	126;	60Bet Oph	;	2.77;	4250;	occ;	55;	0;	38278
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16;	2689.2;	26-JUN-2009	05:12:20;	Bright;	;	32.5;	5;	3Alp Lyr	;	0.03;	11000;	occ;	65;	0;	38278
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4;	-1766.1;	26-JUN-2009	05:38:41;	Bright;	;	24.0;	73;	57Gam1And	;	2.26;	13100;	occ;	48;	0;	38278
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6;	-1377.3;	26-JUN-2009	05:45:10;	Dark	;	25.0;	50;	13Alp Ari	;	2.01;	4250;	occ;	50;	0;	38278
7;	-588.5;	26-JUN-2009	05:58:19;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	38278
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3;	2721.5;	26-JUN-2009	20:18:16;	Bright;	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	38287
4;	3319.4;	26-JUN-2009	20:28:14;	Bright;	;	52.5;	0;		;	0.00;	0;	occ;	105;	0;	38287
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2;	2241.9;	29-JUN-2009	20:16:01;	Bright;	;	47.0;	168;	17Zet Aql	;	2.99;	11000;	occ;	94;	0;	38330
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4;	2938.0;	29-JUN-2009	20:27:37;	Bright;	;	51.0;	144;	18Del Cyg	;	2.86;	11000;	occ;	102;	0;	38330
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6;	3793.5;	29-JUN-2009	20:41:53;	Bright;	;	42.0;	74;	11Bet Cas	;	2.27;	6600;	occ;	84;	0;	38330
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9;	4423.7;	29-JUN-2009	20:52:23;	Dark	;	36.5;	173;	4Bet Tri	;	3.00;	8900;	occ;	73;	0;	38330
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4;	588.9;	29-JUN-2009	21:29:04;	Dark	;	51.0;	31;	Alp Gru	;	1.73;	15200;	occ;	102;	0;	38331
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7;	2241.1;	29-JUN-2009	21:56:36;	Bright;	;	51.5;	168;	17Zet Aql	;	2.99;	11000;	occ;	103;	0;	38331

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13; 6619.4; 29-JUN-2009 11:25:23; Dark ; 53.5; 31; Alp Gru ; 1.73; 15200;occ; 107; 0;38324
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3; 2941.5; 29-JUN-2009 13:45:17; Bright; 51.5; 144; 18Del Cyg ; 2.86; 11000;occ; 103; 0;38326
4; 3357.7; 29-JUN-2009 13:52:13; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;38326
5; 3795.8; 29-JUN-2009 13:59:31; Bright; 43.0; 74; 11Bet Cas ; 2.27; 6600;occ; 86; 0;38326
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9; 4673.2; 29-JUN-2009 14:14:09; Dark ; 40.0; 50; 13Alp Ari ; 2.01; 4250;occ; 80; 0;38326
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4; 2940.4; 29-JUN-2009 15:25:52; Bright; 50.5; 144; 18Del Cyg ; 2.86; 11000;occ; 101; 0;38327
5; 3357.1; 29-JUN-2009 15:32:49; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;38327
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7; 3895.9; 29-JUN-2009 15:41:47; Bright; 40.5; 68; 18Alp Cas ; 2.22; 4500;occ; 81; 0;38327
8; 4268.0; 29-JUN-2009 15:47:59; Bright; 37.0; 73; 57Gam1And ; 2.26; 13100;occ; 74; 0;38327
9; 4423.7; 29-JUN-2009 15:50:35; Dark ; 37.0; 173; 4Bet Tri ; 3.00; 8900;occ; 74; 0;38327
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12; 6114.8; 29-JUN-2009 16:18:46; Dark ; 51.0; 84; Alp Phe ; 2.40; 4500;occ; 102; 0;38327
13; 6504.6; 29-JUN-2009 16:25:16; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;38327
14; 6622.3; 29-JUN-2009 16:27:14; Dark ; 51.5; 31; Alp Gru ; 1.73; 15200;occ; 103; 0;38327
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3; 2661.2; 29-JUN-2009 17:01:49; Bright; 49.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 98; 0;38328
4; 2939.7; 29-JUN-2009 17:06:27; Bright; 51.5; 144; 18Del Cyg ; 2.86; 11000;occ; 103; 0;38328
5; 3356.5; 29-JUN-2009 17:13:24; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;38328
6; 3794.7; 29-JUN-2009 17:20:42; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;38328
7; 3895.4; 29-JUN-2009 17:22:23; Bright; 41.5; 68; 18Alp Cas ; 2.22; 4500;occ; 83; 0;38328
8; 4267.8; 29-JUN-2009 17:28:35; Bright; 37.5; 73; 57Gam1And ; 2.26; 13100;occ; 75; 0;38328
9; 4423.6; 29-JUN-2009 17:31:11; Dark ; 37.5; 173; 4Bet Tri ; 3.00; 8900;occ; 75; 0;38328
10; 4673.8; 29-JUN-2009 17:35:21; Dark ; 40.5; 50; 13Alp Ari ; 2.01; 4250;occ; 81; 0;38328
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12; 6115.7; 29-JUN-2009 17:59:23; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;38328
13; 6505.6; 29-JUN-2009 18:05:53; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;38328
14; 6623.0; 29-JUN-2009 18:07:51; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;38328
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3; 2660.5; 29-JUN-2009 18:42:24; Bright; 44.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 88; 0;38329
4; 2938.8; 29-JUN-2009 18:47:02; Bright; 48.5; 144; 18Del Cyg ; 2.86; 11000;occ; 97; 0;38329
5; 3355.7; 29-JUN-2009 18:53:59; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;38329
6; 3794.1; 29-JUN-2009 19:01:18; Bright; 68.0; 74; 11Bet Cas ; 2.27; 6600;occ; 136; 0;38329
7; 3894.8; 29-JUN-2009 19:02:58; Bright; 41.0; 68; 18Alp Cas ; 2.22; 4500;occ; 82; 0;38329
8; 4267.8; 29-JUN-2009 19:09:11; Bright; 37.0; 73; 57Gam1And ; 2.26; 13100;occ; 74; 0;38329
9; 4423.7; 29-JUN-2009 19:11:47; Dark ; 36.5; 173; 4Bet Tri ; 3.00; 8900;occ; 73; 0;38329
10; 4674.1; 29-JUN-2009 19:15:58; Dark ; 38.5; 50; 13Alp Ari ; 2.01; 4250;occ; 77; 0;38329
11; 5487.9; 29-JUN-2009 19:29:31; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38329
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13; 6506.5; 29-JUN-2009 19:46:30; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;38329
14; 6624.0; 29-JUN-2009 19:48:27; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;38329
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3; 473.2; 30-JUN-2009 00:48:20; Dark ; 66.0; 63; Bet Gru ; 2.15; 2800;occ; 132; 0;38333
4; 590.9; 30-JUN-2009 00:50:18; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;38333
5; 761.2; 30-JUN-2009 00:53:08; Dark ; 57.5; 172; Gam Gru ; 3.00; 13100;occ; 115; 0;38333
6; 1478.2; 30-JUN-2009 01:05:05; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;38333
7; 2239.9; 30-JUN-2009 01:17:47; Bright; 48.0; 168; 17Zet Aql ; 2.99; 11000;occ; 96; 0;38333
8; 2658.6; 30-JUN-2009 01:24:46; Bright; 43.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 86; 0;38333
9; 2935.1; 30-JUN-2009 01:29:22; Bright; 47.5; 144; 18Del Cyg ; 2.86; 11000;occ; 95; 0;38333

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11; 3791.9; 30-JUN-2009 01:43:39; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;38333
12; 3892.9; 30-JUN-2009 01:45:20; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;38333
13; 4267.5; 30-JUN-2009 01:51:35; Bright; 38.5; 73; 57Gam1And ; 2.26; 13100;occ; 77; 0;38333
14; 4423.9; 30-JUN-2009 01:54:11; Dark ; 38.5; 173; 4Bet Tri ; 3.00; 8900;occ; 77; 0;38333
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 3; 474.5; 30-JUN-2009 02:28:57; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;38334
 4; 591.7; 30-JUN-2009 02:30:55; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;38334
 5; 762.6; 30-JUN-2009 02:33:46; Dark ; 61.0; 172; Gam Gru ; 3.00; 13100;occ; 122; 0;38334
 6; 1478.7; 30-JUN-2009 02:45:42; Bright; 46.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 92; 0;38334
 7; 2239.3; 30-JUN-2009 02:58:22; Bright; 50.5; 168; 17Zet Aql ; 2.99; 11000;occ; 101; 0;38334
 8; 2658.2; 30-JUN-2009 03:05:21; Bright; 41.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 83; 0;38334
 9; 2934.2; 30-JUN-2009 03:09:57; Bright; 46.0; 144; 18Del Cyg ; 2.86; 11000;occ; 92; 0;38334
10; 3352.5; 30-JUN-2009 03:16:55; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;38334
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 3; -1768.4; 30-JUN-2009 03:32:10; Bright; 38.0; 73; 57Gam1And ; 2.26; 13100;occ; 76; 0;38334
 4; -1612.1; 30-JUN-2009 03:34:47; Dark ; 38.0; 173; 4Bet Tri ; 3.00; 8900;occ; 76; 0;38334
 5; -1360.1; 30-JUN-2009 03:38:59; Dark ; 40.5; 50; 13Alp Ari ; 2.01; 4250;occ; 81; 0;38334
 6; -543.8; 30-JUN-2009 03:52:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38334
 7; 86.1; 30-JUN-2009 04:03:05; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;38335
 8; 475.5; 30-JUN-2009 04:09:34; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;38335
 9; 592.7; 30-JUN-2009 04:11:32; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;38335
10; 763.9; 30-JUN-2009 04:14:23; Dark ; 57.5; 172; Gam Gru ; 3.00; 13100;occ; 115; 0;38335
11; 1478.7; 30-JUN-2009 04:26:18; Bright; 48.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 97; 0;38335
12; 2238.9; 30-JUN-2009 04:38:58; Bright; 49.5; 168; 17Zet Aql ; 2.99; 11000;occ; 99; 0;38335
13; 2657.9; 30-JUN-2009 04:45:57; Bright; 40.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 81; 0;38335
14; 2933.3; 30-JUN-2009 04:50:32; Bright; 50.0; 144; 18Del Cyg ; 2.86; 11000;occ; 100; 0;38335
15; 3351.8; 30-JUN-2009 04:57:31; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;38335
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 3; -1768.4; 30-JUN-2009 05:12:47; Bright; 38.0; 73; 57Gam1And ; 2.26; 13100;occ; 76; 0;38335
 4; -1611.8; 30-JUN-2009 05:15:23; Dark ; 38.5; 173; 4Bet Tri ; 3.00; 8900;occ; 77; 0;38335
 5; -1359.8; 30-JUN-2009 05:19:35; Dark ; 41.0; 50; 13Alp Ari ; 2.01; 4250;occ; 82; 0;38335
 6; -542.9; 30-JUN-2009 05:33:12; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38335
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 8; 476.7; 30-JUN-2009 05:50:12; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;38336
 9; 593.7; 30-JUN-2009 05:52:09; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;38336
10; 764.8; 30-JUN-2009 05:55:00; Dark ; 60.0; 172; Gam Gru ; 3.00; 13100;occ; 120; 0;38336
11; 1478.8; 30-JUN-2009 06:06:54; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;38336
12; 2238.2; 30-JUN-2009 06:19:33; Bright; 50.5; 168; 17Zet Aql ; 2.99; 11000;occ; 101; 0;38336
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 4; 2924.2; 30-JUN-2009 21:36:23; Bright; 49.0; 144; 18Del Cyg ; 2.86; 11000;occ; 98; 0;38345
 5; 3345.0; 30-JUN-2009 21:43:23; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;38345
 6; 3786.0; 30-JUN-2009 21:50:44; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;38345
 7; 3887.5; 30-JUN-2009 21:52:26; Bright; 40.0; 68; 18Alp Cas ; 2.22; 4500;occ; 80; 0;38345
 8; 4266.9; 30-JUN-2009 21:58:45; Bright; 36.0; 73; 57Gam1And ; 2.26; 13100;occ; 72; 0;38345
 9; 4424.7; 30-JUN-2009 22:01:23; Dark ; 36.0; 173; 4Bet Tri ; 3.00; 8900;occ; 72; 0;38345
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 4; 602.7; 30-JUN-2009 22:38:17; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;38346
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11; 3785.6; 30-JUN-2009 23:31:20; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;38346
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3; 487.2; 01-JUL-2009 00:16:57; Dark ; 63.5; 63; Bet Gru ; 2.15; 2800;occ; 127; 0;38347
4; 603.1; 01-JUL-2009 00:18:53; Dark ; 54.0; 31; Alp Gru ; 1.73; 15200;occ; 108; 0;38347
5; 1481.0; 01-JUL-2009 00:33:31; Bright; 44.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 89; 0;38347
6; 2231.9; 01-JUL-2009 00:46:02; Bright; 72.0; 168; 17Zet Aql ; 2.99; 11000;occ; 144; 0;38347
7; 2651.7; 01-JUL-2009 00:53:02; Bright; 41.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 82; 0;38347
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13; 4424.9; 01-JUL-2009 01:22:35; Dark ; 36.0; 173; 4Bet Tri ; 3.00; 8900;occ; 72; 0;38347
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3; -1768.6; 30-JUN-2009 06:53:22; Bright; 37.5; 73; 57Gam1And ; 2.26; 13100;occ; 75; 0;38336
4; -1612.0; 30-JUN-2009 06:55:59; Dark ; 37.5; 173; 4Bet Tri ; 3.00; 8900;occ; 75; 0;38336
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8; 477.3; 30-JUN-2009 07:30:48; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;38337
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