

GOMOS Daily Report 09-JUN-2008

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	11JUN2008 05:32:25
Data source version	GOMOS/5.00
Start time of products	QDS_YESTERDAY(/START)-1D (09JUN2008 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP)-1D (10JUN2008 00:00:00)
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)

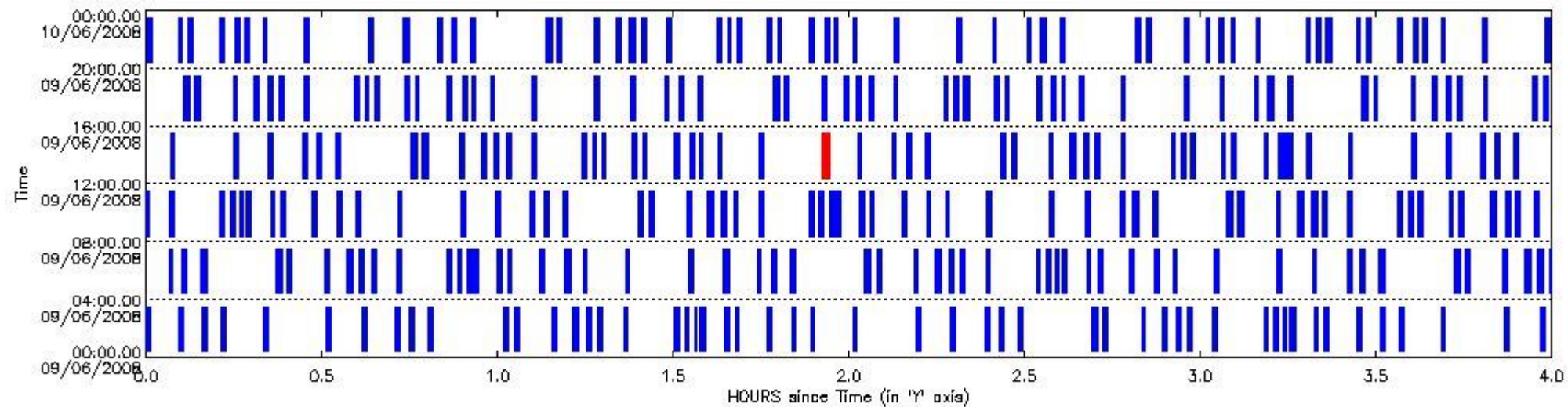
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

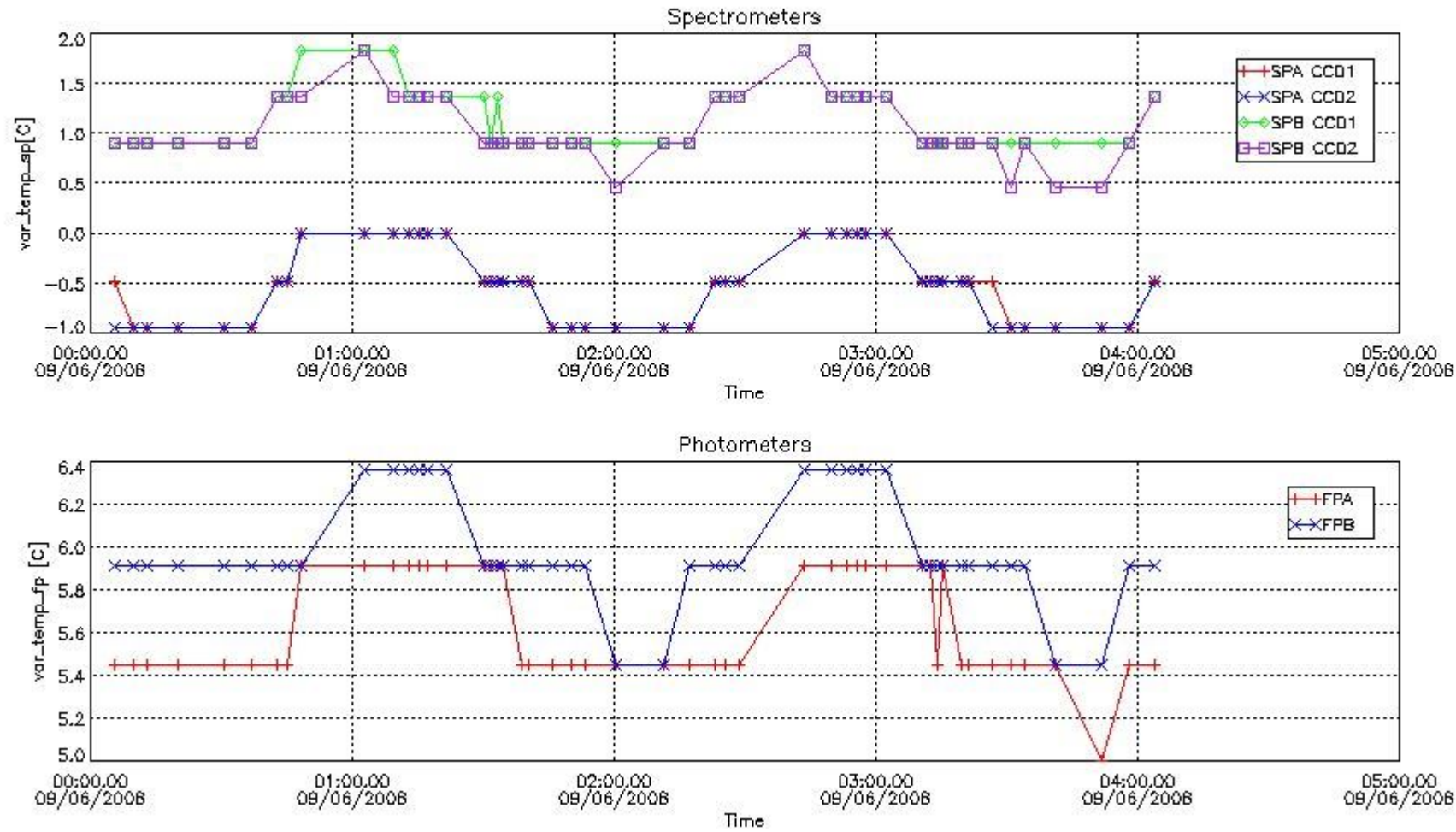
UTC start time	Star name	Star ID	Orbit
09-JUN-2008 13:55:24	5AlpCep	89	32815

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_1PNPDE20080609_000526_000000492069_00188_32807_5336.N1	09-JUN-2008 00:05:26	Bright	48.500	126	60Bet Oph	2.7700	4250.0	97	32807	No
2	GOM_TRA_1PNPDE20080609_000939_000000372069_00188_32807_5337.N1	09-JUN-2008 00:09:39	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	32807	No
3	GOM_TRA_1PNPDE20080609_001251_000000392069_00188_32807_5338.N1	09-JUN-2008 00:12:51	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	32807	No
4	GOM_TRA_1PNPDE20080609_001959_000000422069_00188_32807_5339.N1	09-JUN-2008 00:19:59	Bright	42.000	130	23Bet Dra	2.7990	5800.0	84	32807	No
5	GOM_TRA_1PNPDE20080609_003044_000000462069_00188_32807_5340.N1	09-JUN-2008 00:30:44	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	32807	No
6	GOM_TRA_1PNPDE20080609_003644_000000532069_00188_32807_5341.N1	09-JUN-2008 00:36:44	Bright	52.500	76	27Gam Cas	2.3000	30000.0	105	32807	No
7	GOM_TRA_1PNPDE20080609_004235_000000382069_00188_32807_5342.N1	09-JUN-2008 00:42:35	Bright	37.500	73	57Gam1And	2.2600	13100.0	75	32807	No
8	GOM_TRA_1PNPDE20080609_004454_000000492069_00188_32807_5343.N1	09-JUN-2008 00:44:54	Bright	49.000	53	43Bet And	2.0480	3300.0	98	32807	No
9	GOM_TRA_1PNPDE20080609_004810_000000462069_00188_32807_5344.N1	09-JUN-2008 00:48:10	Twilight	45.500	50	13Alp Ari	2.0070	4250.0	91	32807	No
10	GOM_TRA_1PNPDE20080609_010246_000000542069_00188_32807_5455.N1	09-JUN-2008 01:02:46	Dark	53.500	52	16Bet Cet	2.0370	4500.0	107	32807	No

11	GOM_TRA_1PNPDE20080609_010916_000000462069_00188_32807_5456.N1	09-JUN-2008 01:09:16	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	32807	No
12	GOM_TRA_1PNPDE20080609_011248_000000612069_00189_32808_5457.N1	09-JUN-2008 01:12:48	Dark	60.500	18	24Alp PsA	1.1660	9700.0	121	32808	No
13	GOM_TRA_1PNPDE20080609_011509_000000512069_00189_32808_5458.N1	09-JUN-2008 01:15:09	Dark	51.000	63	Bet Gru	2.1500	2800.0	102	32808	No
14	GOM_TRA_1PNPDE20080609_011709_000000472069_00189_32808_5459.N1	09-JUN-2008 01:17:09	Dark	47.000	31	Alp Gru	1.7340	15200.	94	32808	No
15	GOM_TRA_1PNPDE20080609_012133_000000412069_00189_32808_5460.N1	09-JUN-2008 01:21:33	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	32808	No
16	GOM_TRA_1PNPDE20080609_013009_000000432069_00189_32808_5461.N1	09-JUN-2008 01:30:09	Straylight	42.500	40	The Sco	1.8590	7100.0	85	32808	No
17	GOM_TRA_1PNPDE20080609_013154_000000442069_00189_32808_5462.N1	09-JUN-2008 01:31:54	Twilight	44.000	25	35Lam Sco	1.6200	28000.	88	32808	No
18	GOM_TRA_1PNPDE20080609_013331_000000302069_00189_32808_5463.N1	09-JUN-2008 01:33:31	Twilight	30.000	57	34Sig Sgr	2.0660	26000.	60	32808	No
19	GOM_TRA_1PNPDE20080609_013431_000000652069_00189_32808_5464.N1	09-JUN-2008 01:34:31	Bright	64.500	137	22Lam Sgr	2.8240	4400.0	129	32808	No
20	GOM_TRA_1PNPDE20080609_013848_000000412069_00189_32808_5465.N1	09-JUN-2008 01:38:48	Bright	41.000	86	35Eta Oph	2.4300	10200.	82	32808	No
21	GOM_TRA_1PNPDE20080609_014035_000000382069_00189_32808_5466.N1	09-JUN-2008 01:40:35	Bright	38.000	98	13Zet Oph	2.5710	30000.	76	32808	No
22	GOM_TRA_1PNPDE20080609_014601_000000492069_00189_32808_5467.N1	09-JUN-2008 01:46:01	Bright	48.500	126	60Bet Oph	2.7700	4250.0	97	32808	No
23	GOM_TRA_1PNPDE20080609_015015_000000412069_00189_32808_5468.N1	09-JUN-2008 01:50:15	Bright	40.500	127	27Bet Her	2.7810	4700.0	81	32808	No
24	GOM_TRA_1PNPDE20080609_015326_000000412069_00189_32808_5469.N1	09-JUN-2008 01:53:26	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	32808	No
25	GOM_TRA_1PNPDE20080609_020034_000000482069_00189_32808_5470.N1	09-JUN-2008 02:00:34	Bright	48.000	130	23Bet Dra	2.7990	5800.0	96	32808	No
26	GOM_TRA_1PNPDE20080609_021120_000000482069_00189_32808_5471.N1	09-JUN-2008 02:11:20	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	32808	No
27	GOM_TRA_1PNPDE20080609_021719_000000422069_00189_32808_5588.N1	09-JUN-2008 02:17:19	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	32808	No
28	GOM_TRA_1PNPDE20080609_022311_000000462069_00189_32808_5589.N1	09-JUN-2008 02:23:11	Bright	45.500	73	57Gam1And	2.2600	13100.	91	32808	No
29	GOM_TRA_1PNPDE20080609_022530_000000502069_00189_32808_5590.N1	09-JUN-2008 02:25:30	Bright	50.000	53	43Bet And	2.0480	3300.0	100	32808	No
30	GOM_TRA_1PNPDE20080609_022846_000000462069_00189_32808_5591.N1	09-JUN-2008 02:28:46	Twilight	46.000	50	13Alp Ari	2.0070	4250.0	92	32808	No
31	GOM_TRA_1PNPDE20080609_024323_000000512069_00189_32808_5592.N1	09-JUN-2008 02:43:23	Dark	50.500	52	16Bet Cet	2.0370	4500.0	101	32808	No
32	GOM_TRA_1PNPDE20080609_024953_000000432069_00189_32808_5593.N1	09-JUN-2008 02:49:53	Dark	42.500	84	Alp Phe	2.3970	4500.0	85	32808	No
33	GOM_TRA_1PNPDE20080609_025325_000000602069_00190_32809_5594.N1	09-JUN-2008 02:53:25	Dark	60.000	18	24Alp PsA	1.1660	9700.0	120	32809	No
34	GOM_TRA_1PNPDE20080609_025546_000000502069_00190_32809_5595.N1	09-JUN-2008 02:55:46	Dark	49.500	63	Bet Gru	2.1500	2800.0	99	32809	No
35	GOM_TRA_1PNPDE20080609_025746_000000472069_00190_32809_5596.N1	09-JUN-2008 02:57:46	Dark	46.500	31	Alp Gru	1.7340	15200.	93	32809	No
36	GOM_TRA_1PNPDE20080609_030210_000000422069_00190_32809_5597.N1	09-JUN-2008 03:02:10	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	32809	No
37	GOM_TRA_1PNPDE20080609_031046_000000422069_00190_32809_5598.N1	09-JUN-2008 03:10:46	Straylight	42.000	40	The Sco	1.8590	7100.0	84	32809	No
38	GOM_TRA_1PNPDE20080609_031231_000000442069_00190_32809_5599.N1	09-JUN-2008 03:12:31	Twilight	44.000	25	35Lam Sco	1.6200	28000.	88	32809	No
39	GOM_TRA_1PNPDE20080609_031407_000000302069_00190_32809_5600.N1	09-JUN-2008 03:14:07	Twilight	30.000	57	34Sig Sgr	2.0660	26000.	60	32809	No
40	GOM_TRA_1PNPDE20080609_031507_000000612069_00190_32809_5601.N1	09-JUN-2008 03:15:07	Bright	60.500	137	22Lam Sgr	2.8240	4400.0	121	32809	No
41	GOM_TRA_1PNPDE20080609_031924_000000402069_00190_32809_5602.N1	09-JUN-2008 03:19:24	Bright	39.500	86	35Eta Oph	2.4300	10200.	79	32809	No
42	GOM_TRA_1PNPDE20080609_032111_000000392069_00190_32809_5603.N1	09-JUN-2008 03:21:11	Bright	38.500	98	13Zet Oph	2.5710	30000.	77	32809	No
43	GOM_TRA_1PNPDE20080609_032637_000000482069_00190_32809_5604.N1	09-JUN-2008 03:26:37	Bright	48.000	126	60Bet Oph	2.7700	4250.0	96	32809	No
44	GOM_TRA_1PNPDE20080609_033051_000000392069_00190_32809_5605.N1	09-JUN-2008 03:30:51	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	32809	No
45	GOM_TRA_1PNPDE20080609_033402_000000382069_00190_32809_5606.N1	09-JUN-2008 03:34:02	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	32809	No
46	GOM_TRA_1PNPDE20080609_034110_000000412069_00190_32809_5607.N1	09-JUN-2008 03:41:10	Bright	40.500	130	23Bet Dra	2.7990	5800.0	81	32809	No
47	GOM_TRA_1PNPDE20080609_035155_000000462069_00190_32809_5608.N1	09-JUN-2008 03:51:55	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	32809	No
48	GOM_TRA_1PNPDE20080609_035755_000000582069_00190_32809_5773.N1	09-JUN-2008 03:57:55	Bright	58.000	76	27Gam Cas	2.3000	30000.	116	32809	No
49	GOM_TRA_1PNPDE20080609_040347_000000362069_00190_32809_5774.N1	09-JUN-2008 04:03:47	Bright	36.000	73	57Gam1And	2.2600	13100.	72	32809	No

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



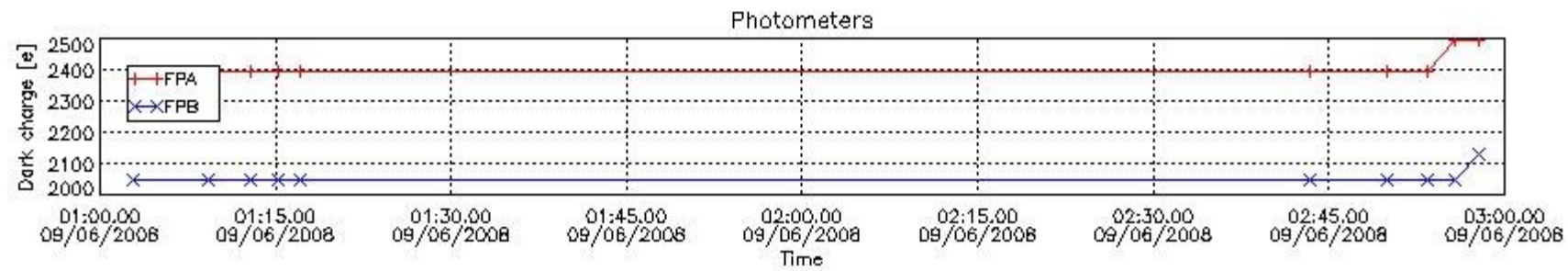
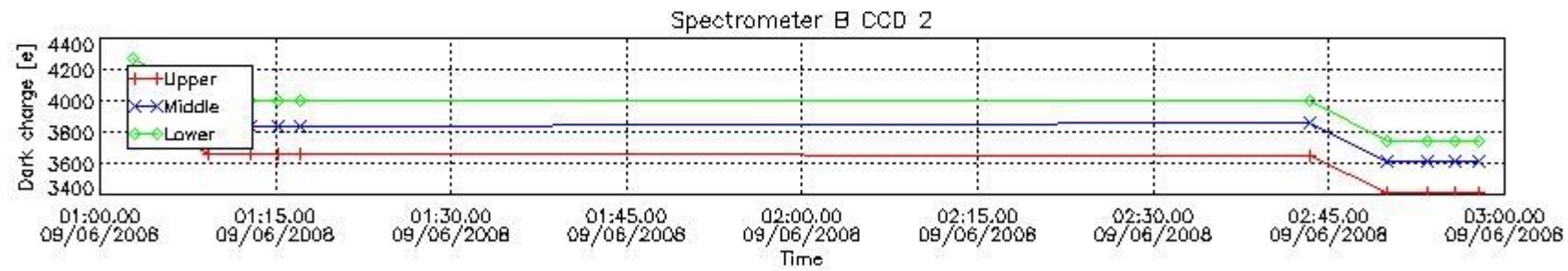
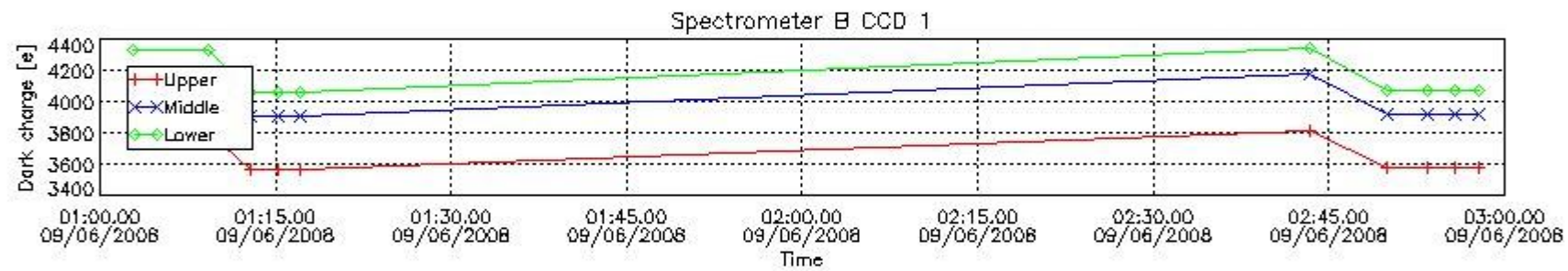
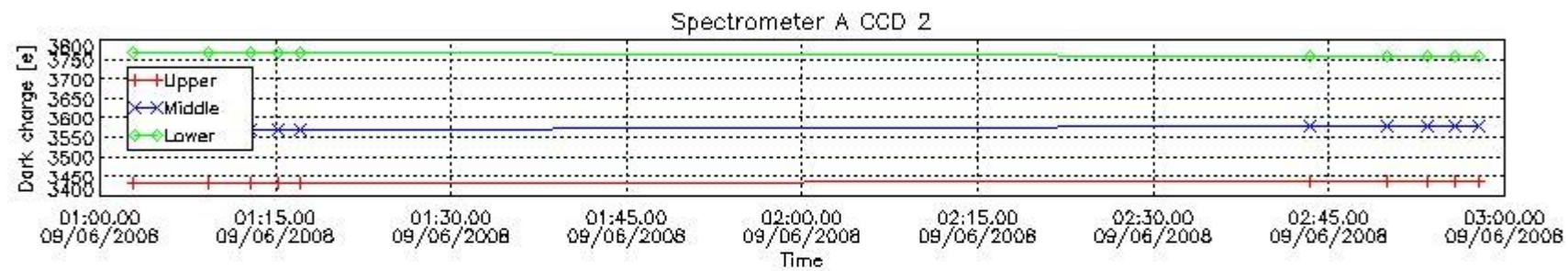
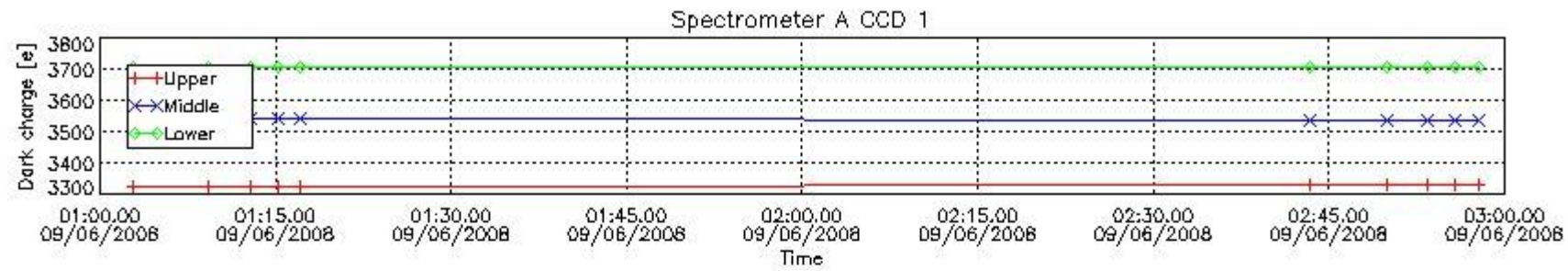
4. Overview of dark signal processing per product

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



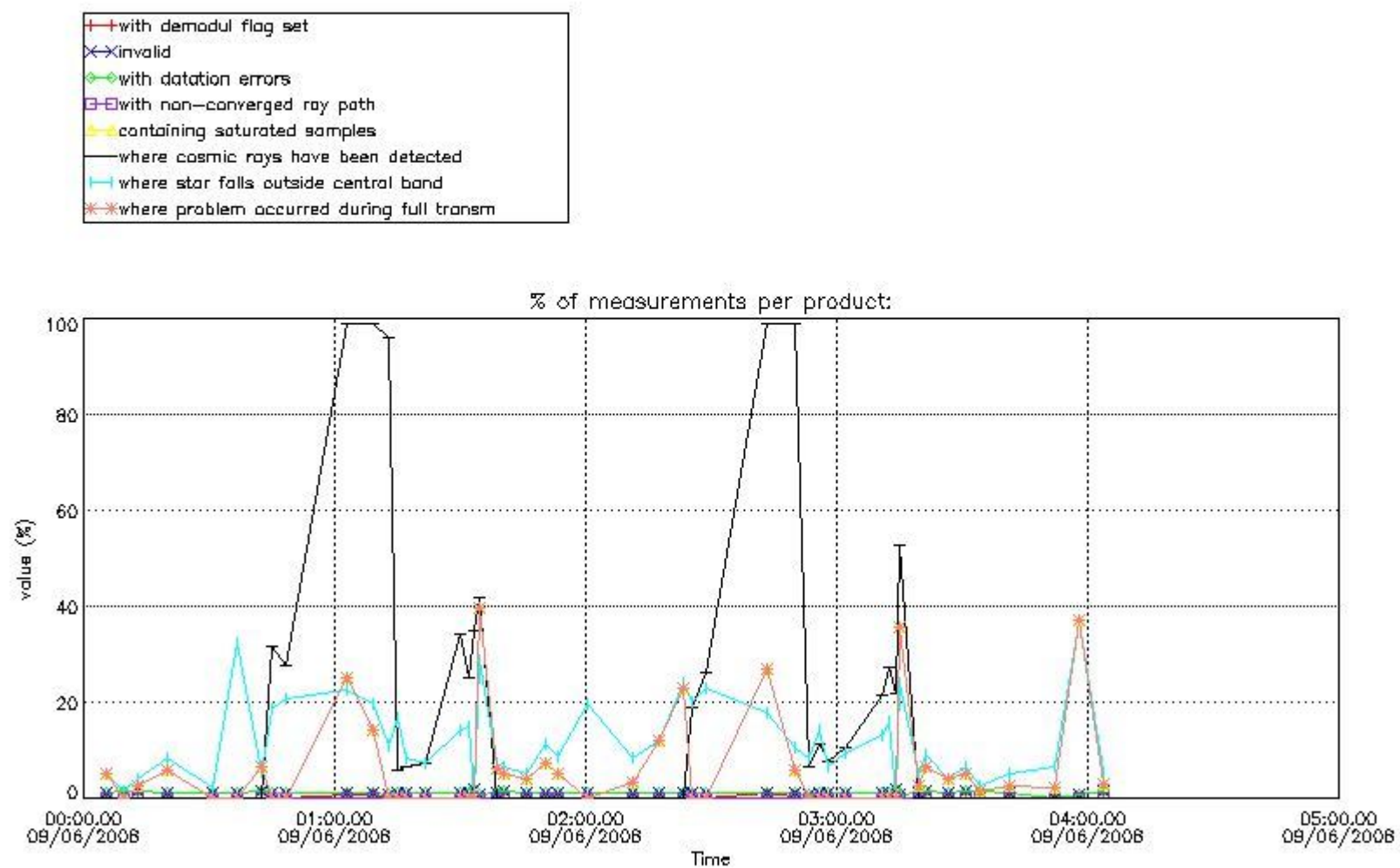
5. Demodulation flag and quality information monitoring

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.

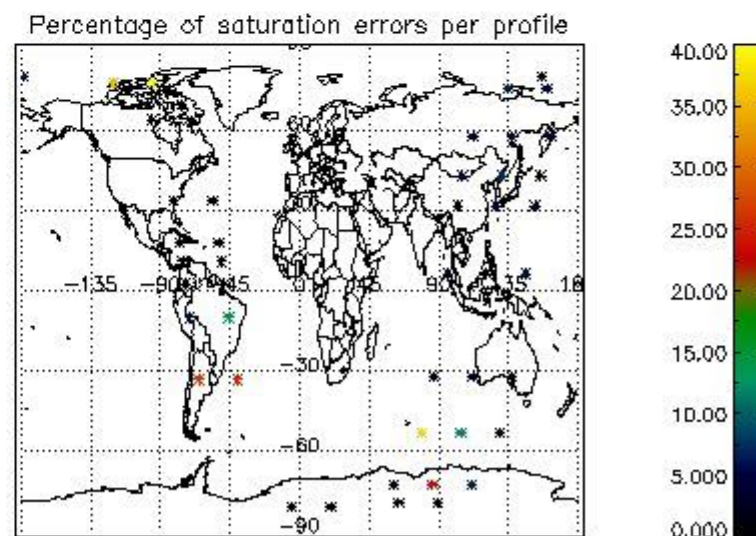
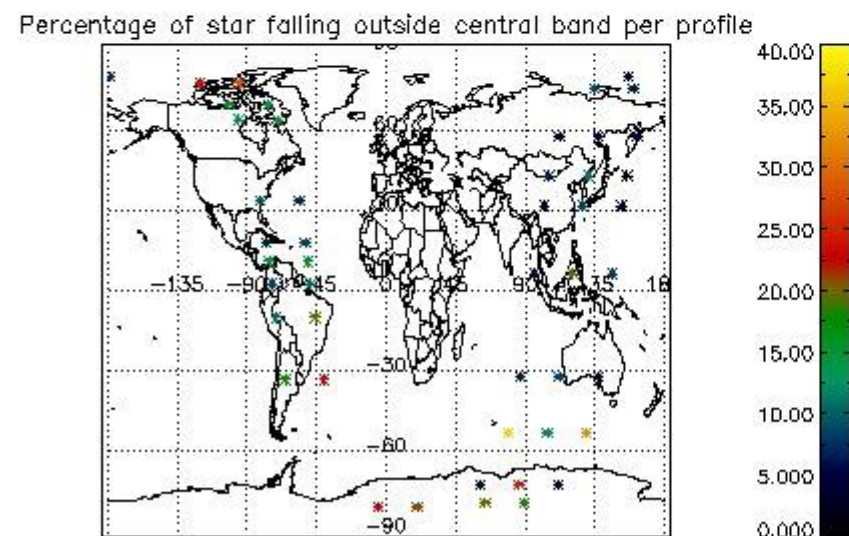
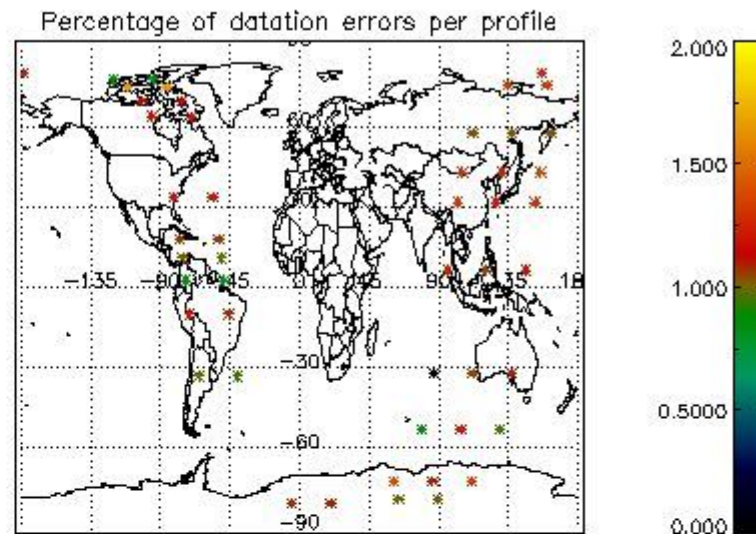
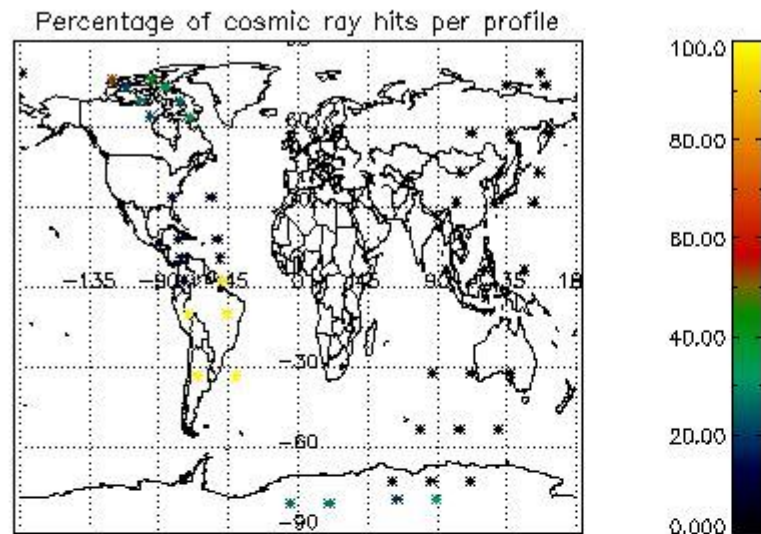
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	22.4490 %
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)



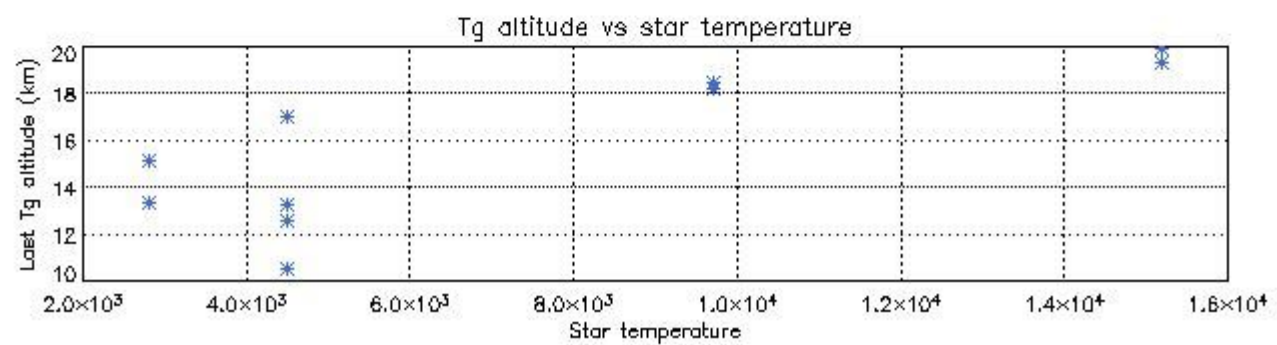
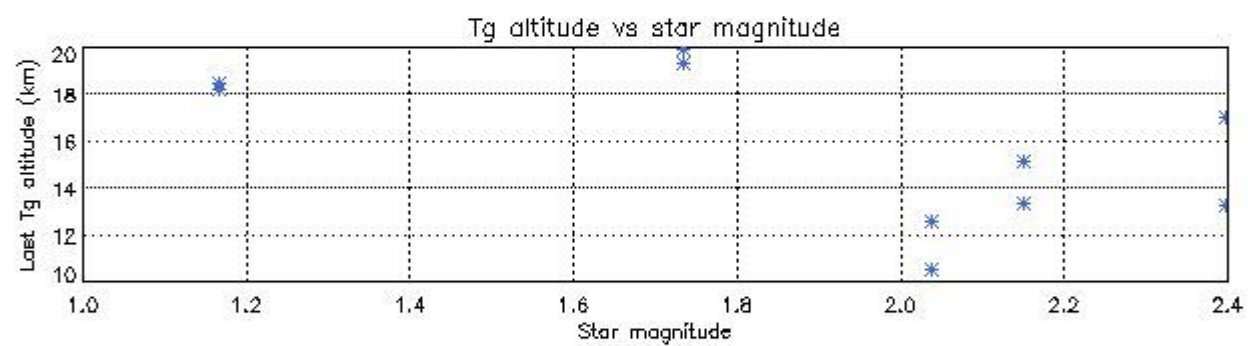
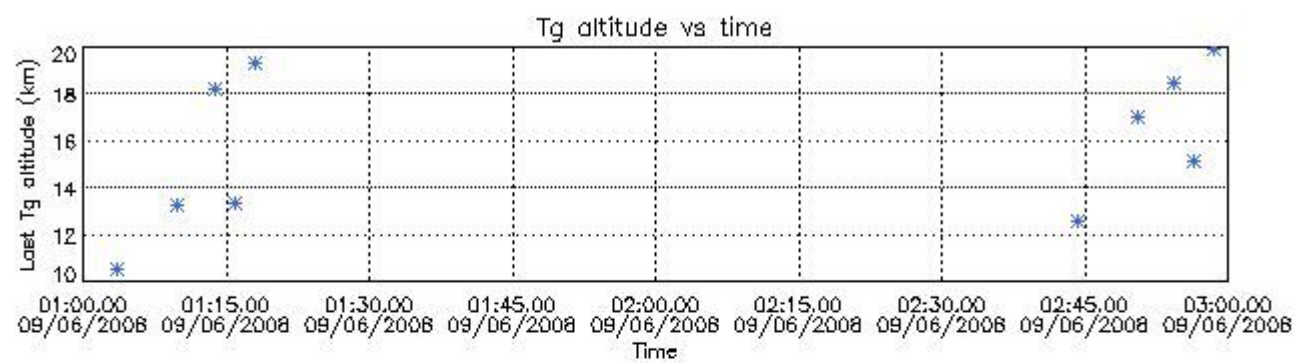
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.780	18.154	10.461
St. deviation:	3.2338	5.8416	0.32383
Maximum:	19.883	24.940	10.690
Minimum:	10.543	3.5458	10.232
Number of data:	10.000	29.000	2.0000

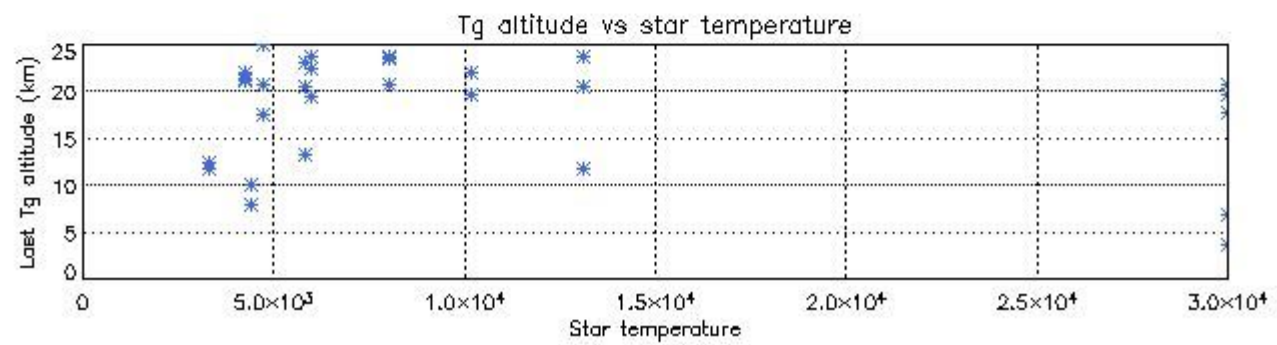
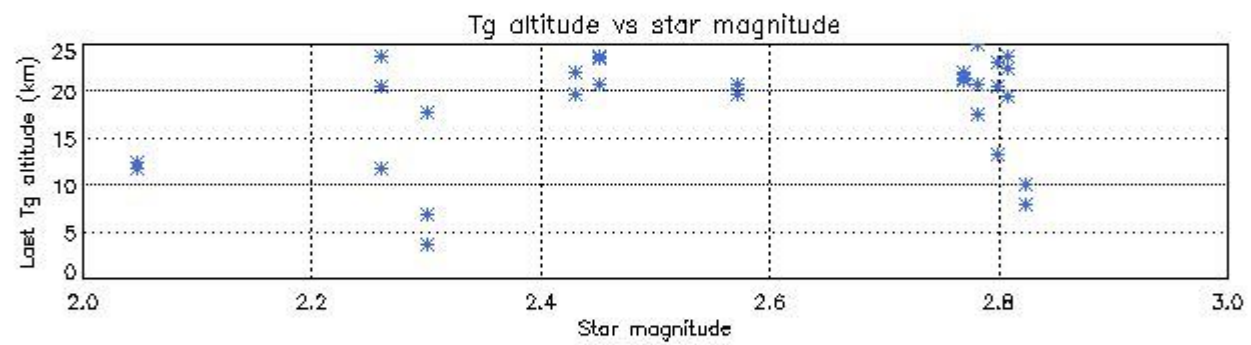
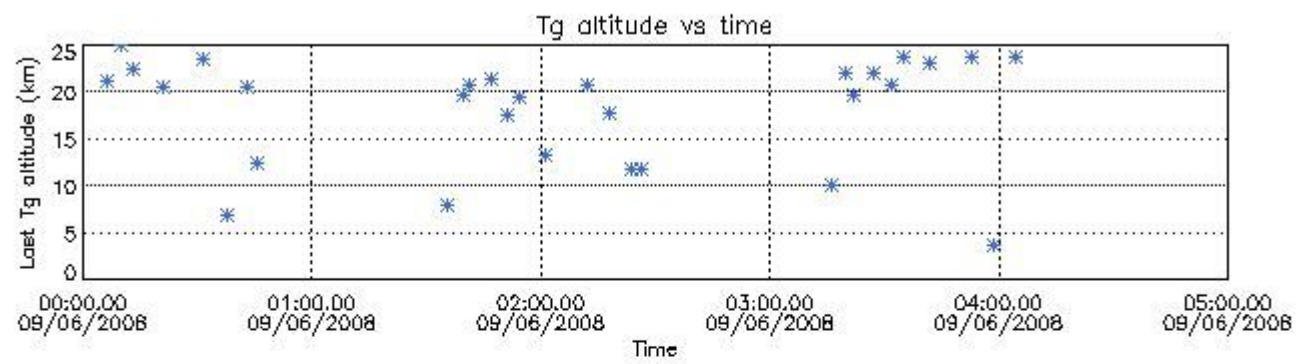
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



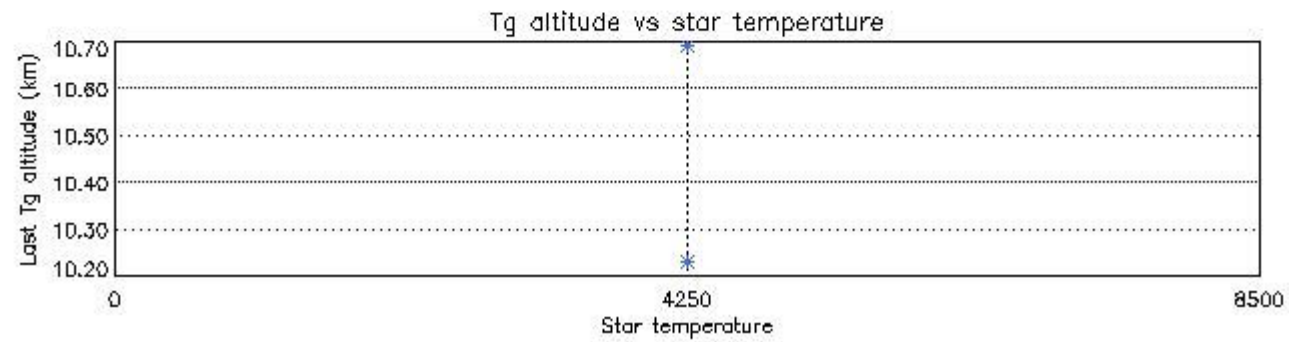
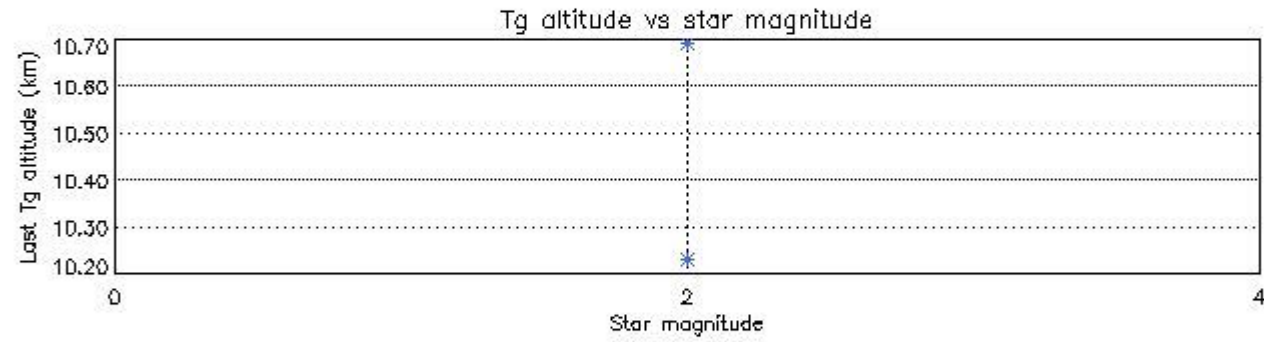
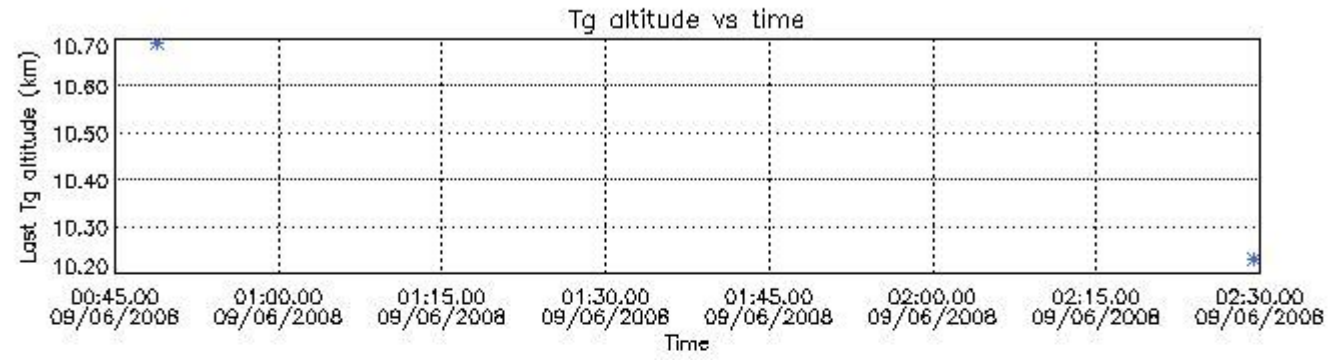
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

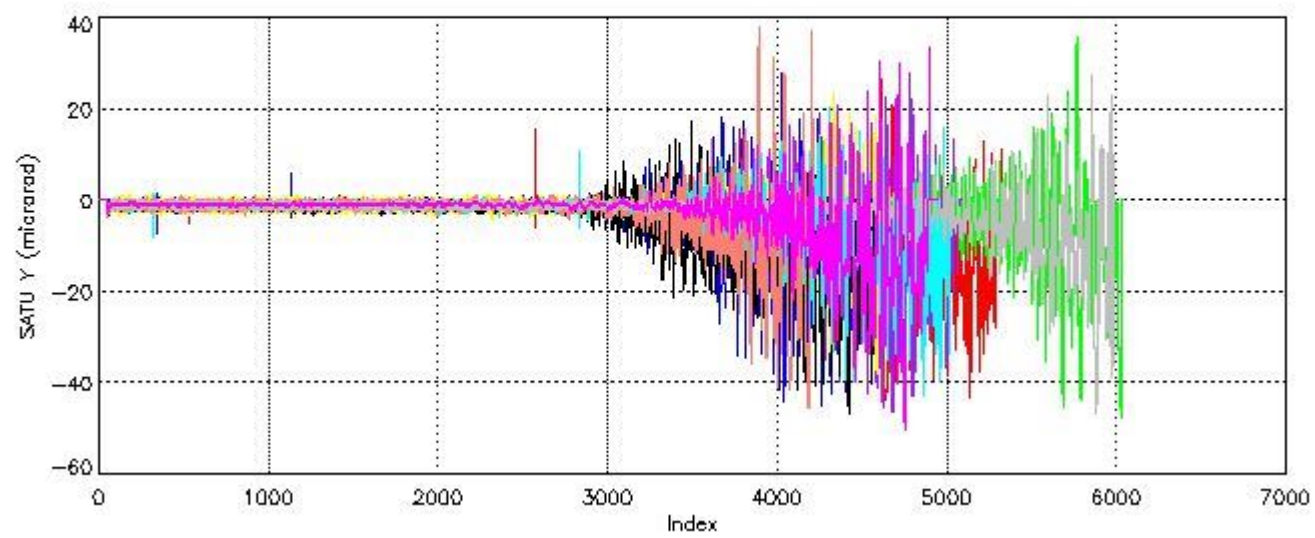
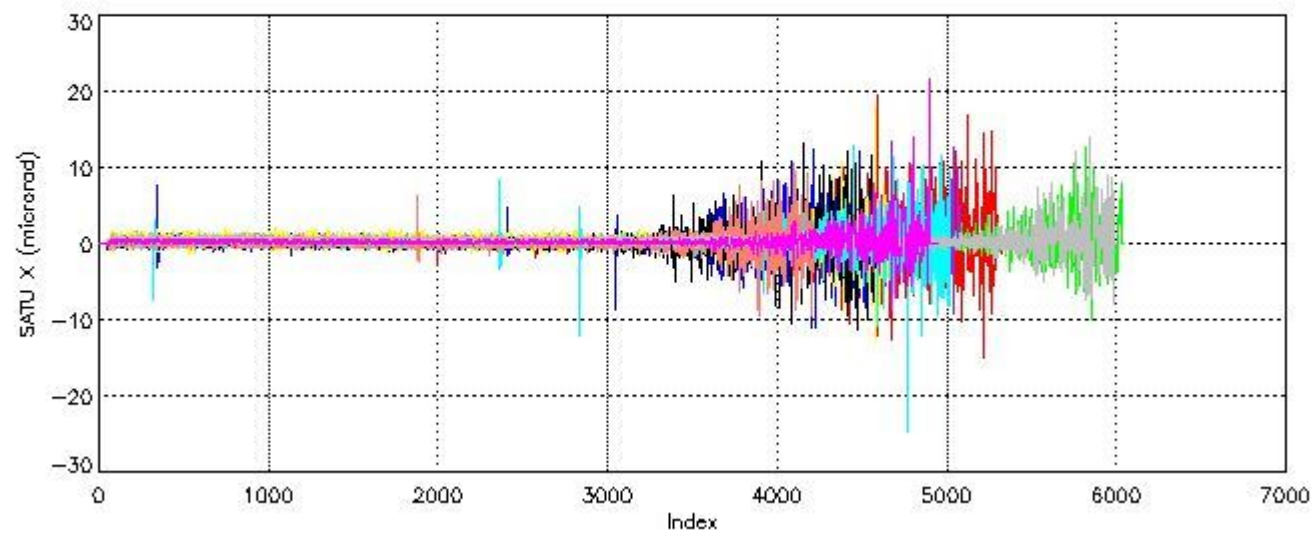


7. Star Acquisition and Tracking Unit (SATU)

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:	0.30929	-1.1240	0.27098	-1.2974
St. deviation:	0.36385	0.69465	0.75983	1.2017
Maximum:	7.7000	1.4000	4.7000	3.9000
Minimum:	-7.4000	-8.1000	-3.4000	-6.8000

Number of data:	11400.	11400.	28200.	28200.
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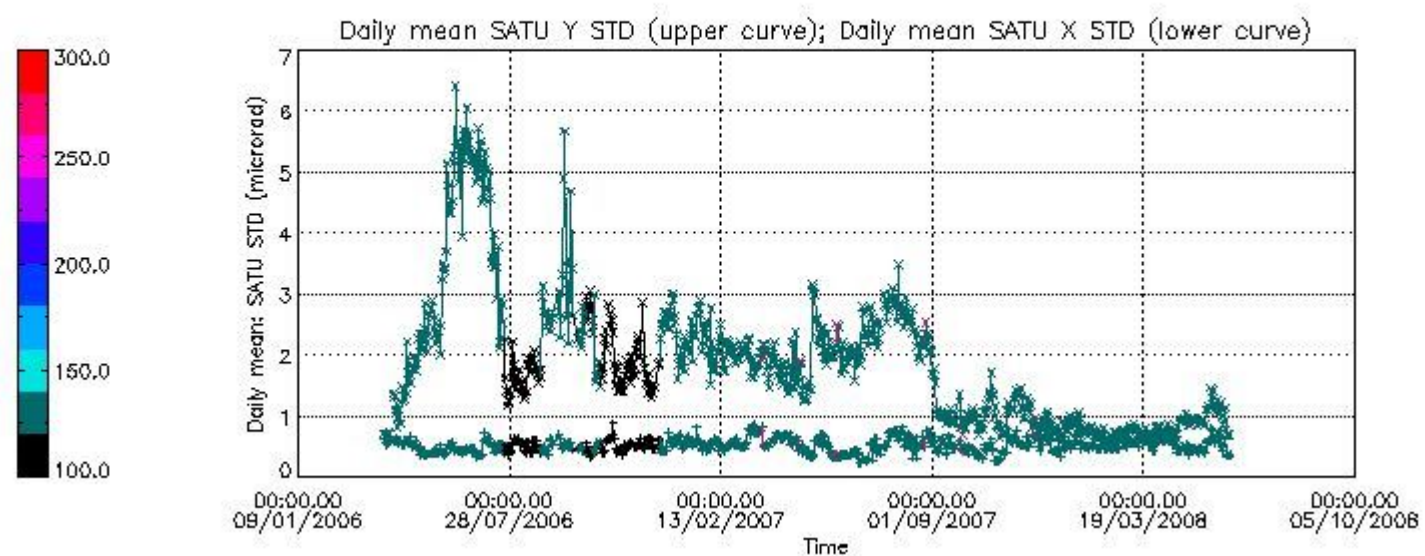
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

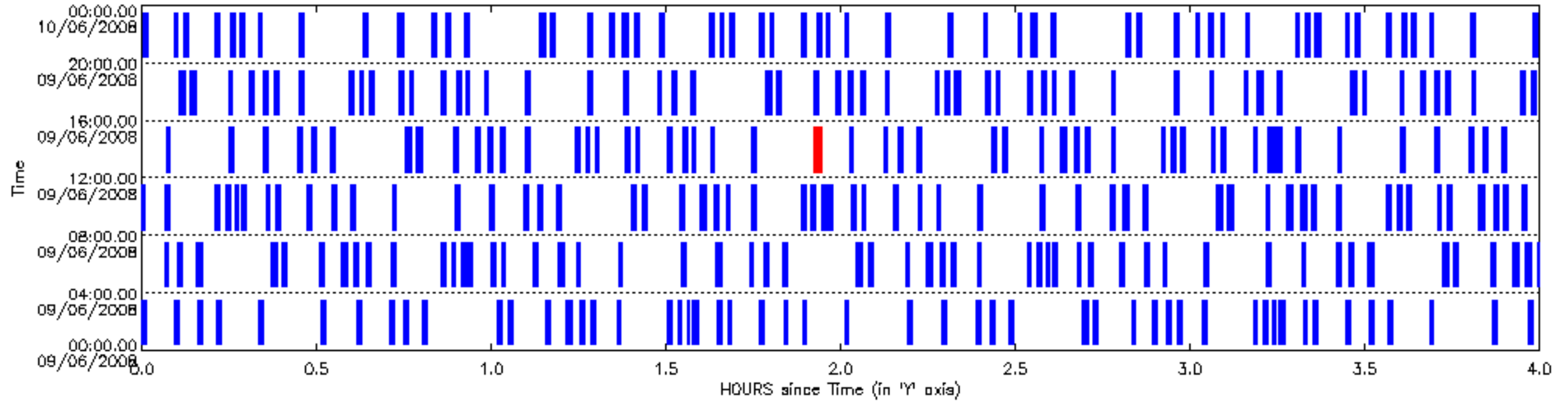
Lower curve: STD of SATU X axis

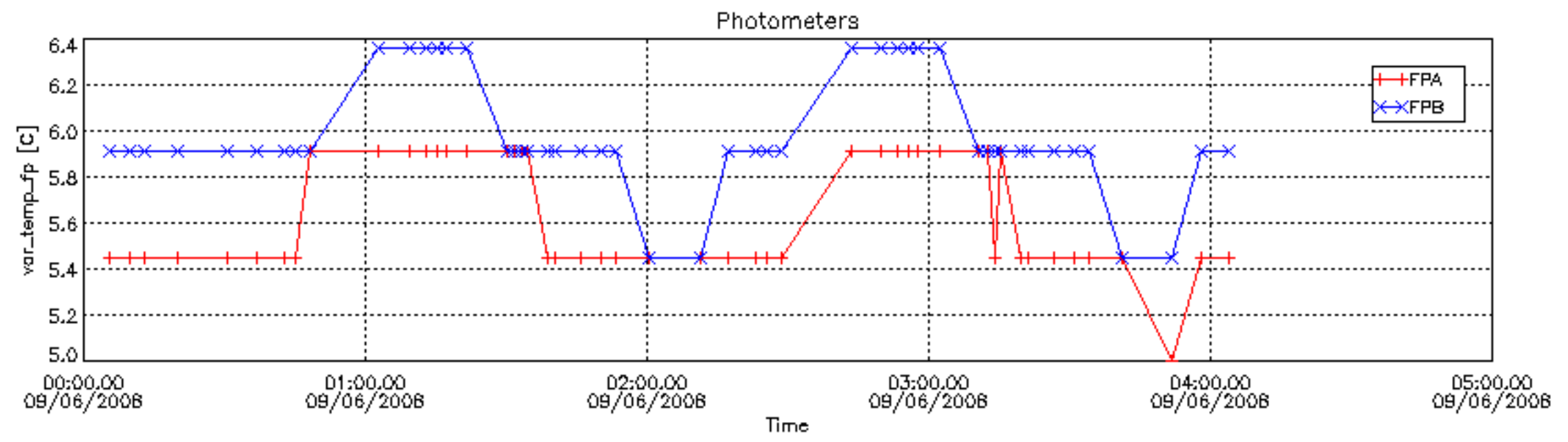
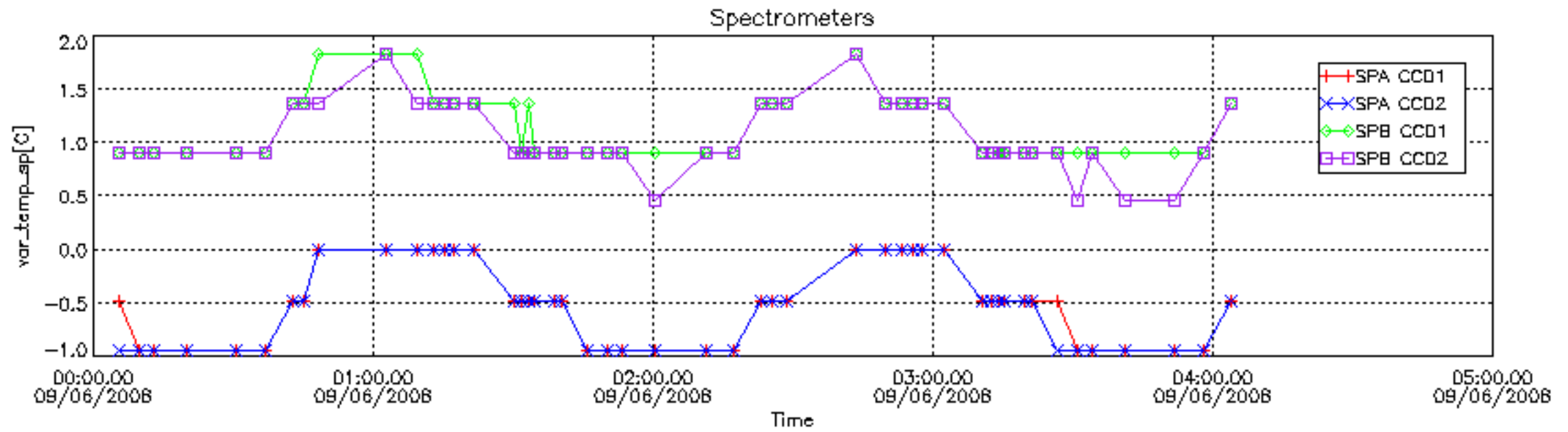


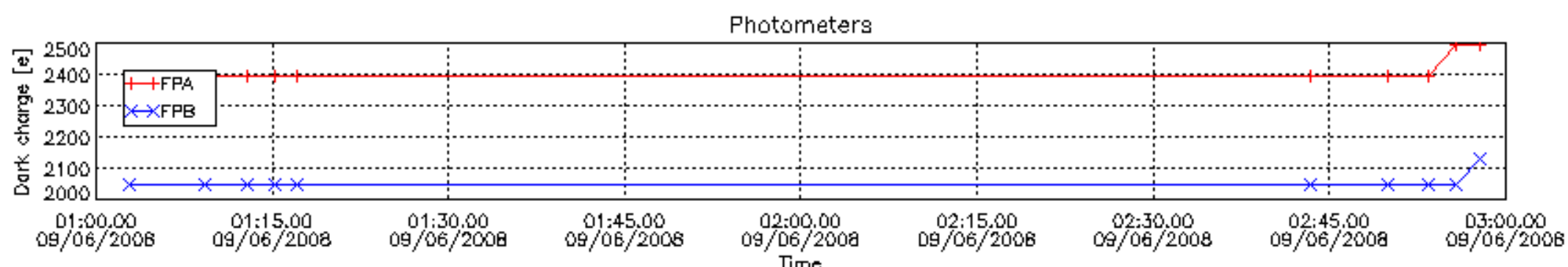
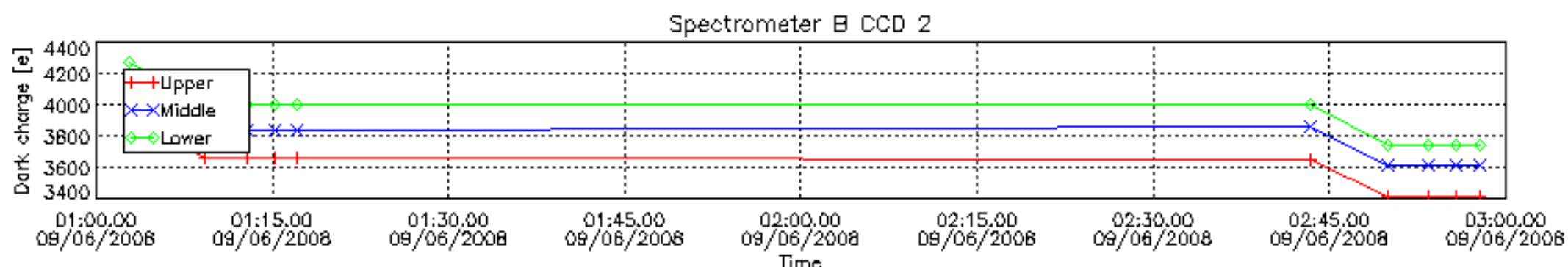
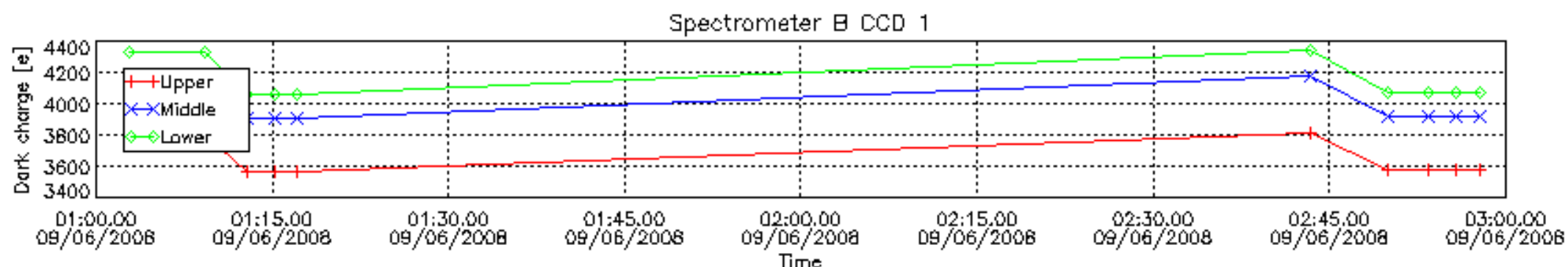
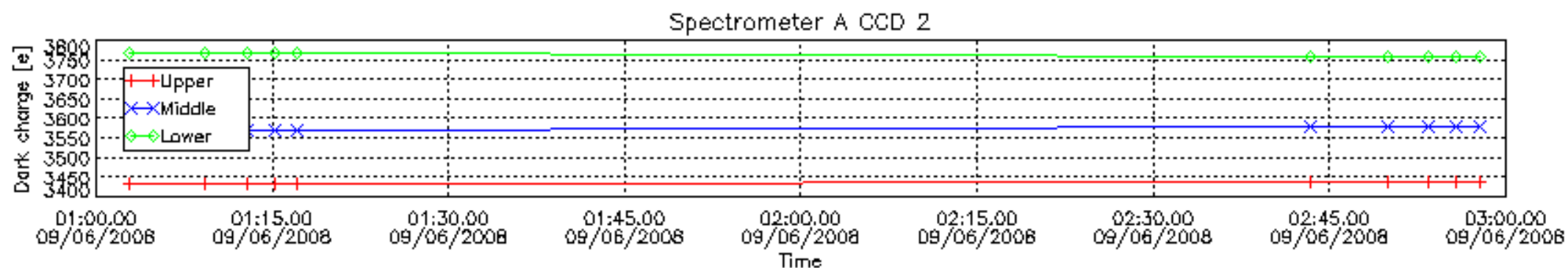
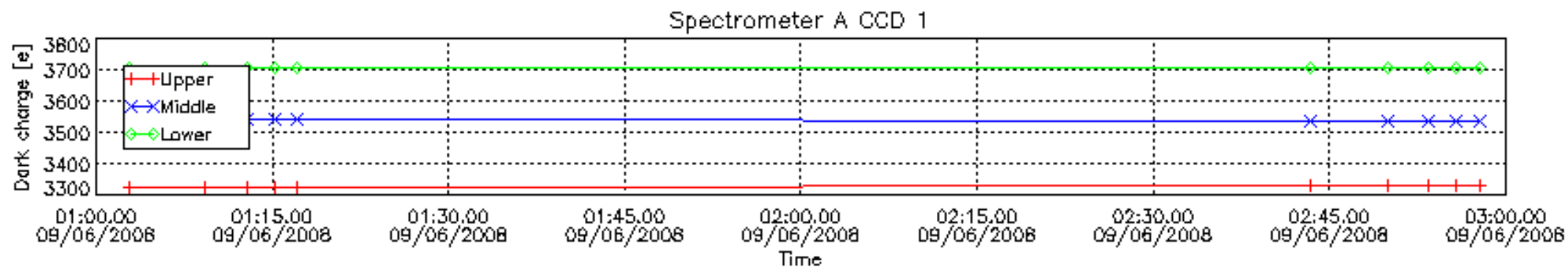
8. Auxiliary Data Files used for the production reported in section 2.4

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.

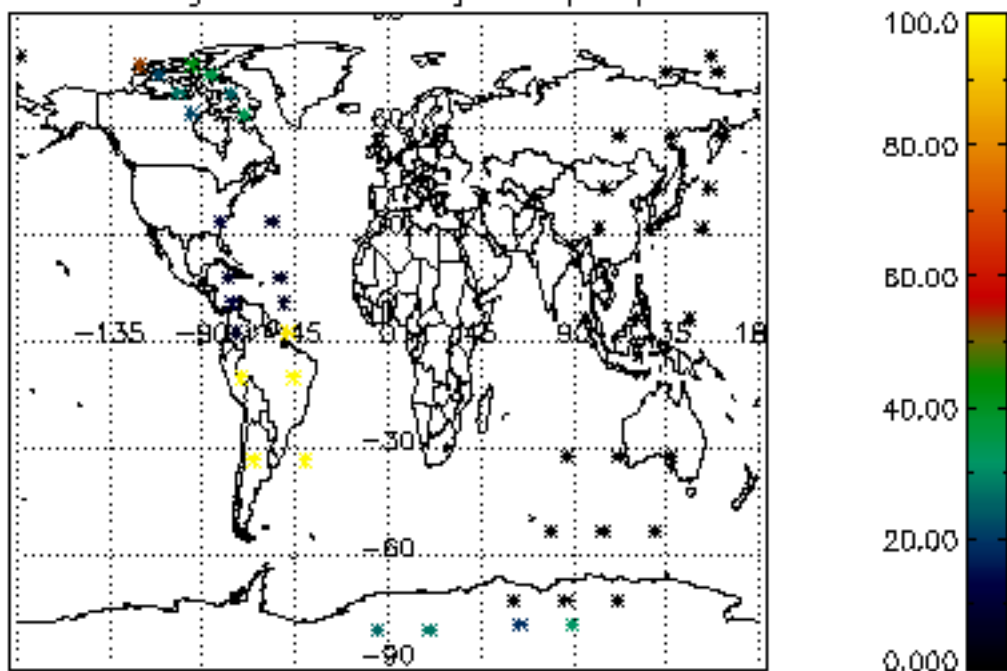
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	09-JUN-2008 00:05:26
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20080530_132758_20080528_000000_20100101_000000	1	09-JUN-2008 00:05:26
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	09-JUN-2008 00:05:26
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	09-JUN-2008 00:05:26
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	09-JUN-2008 00:05:26
ECMWF_FILE	AUX_ECF_AXNECM20080608_072113_20080608_210000_20080609_090000	1	09-JUN-2008 00:05:26
ECMWF_FILE	AUX_ECF_AXNECM20080608_192112_20080609_030000_20080609_150000	48	09-JUN-2008 03:57:55
OPTIONAL_ECMWF_FILE	MISSING	1	09-JUN-2008 00:05:26
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080608_213517_000057382069_00186_32805_5697.N1	1	09-JUN-2008 00:05:26
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080608_231614_000057382069_00187_32806_5698.N1	10	09-JUN-2008 01:02:46
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080609_005712_000044632069_00188_32807_5699.N1	27	09-JUN-2008 02:17:19
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080609_021135_000057382069_00189_32808_5700.N1	48	09-JUN-2008 03:57:55



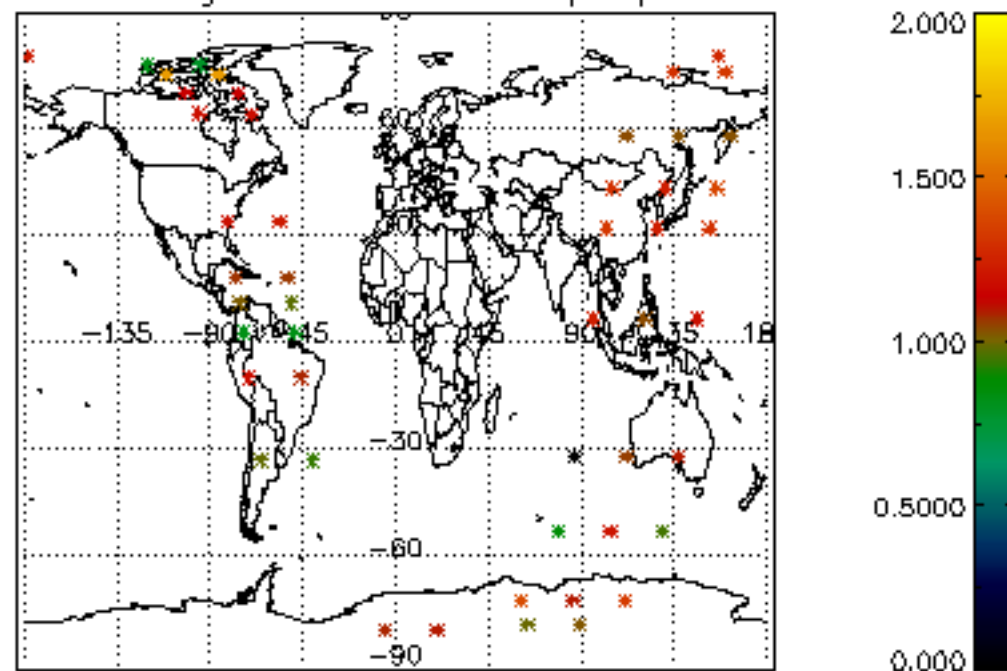




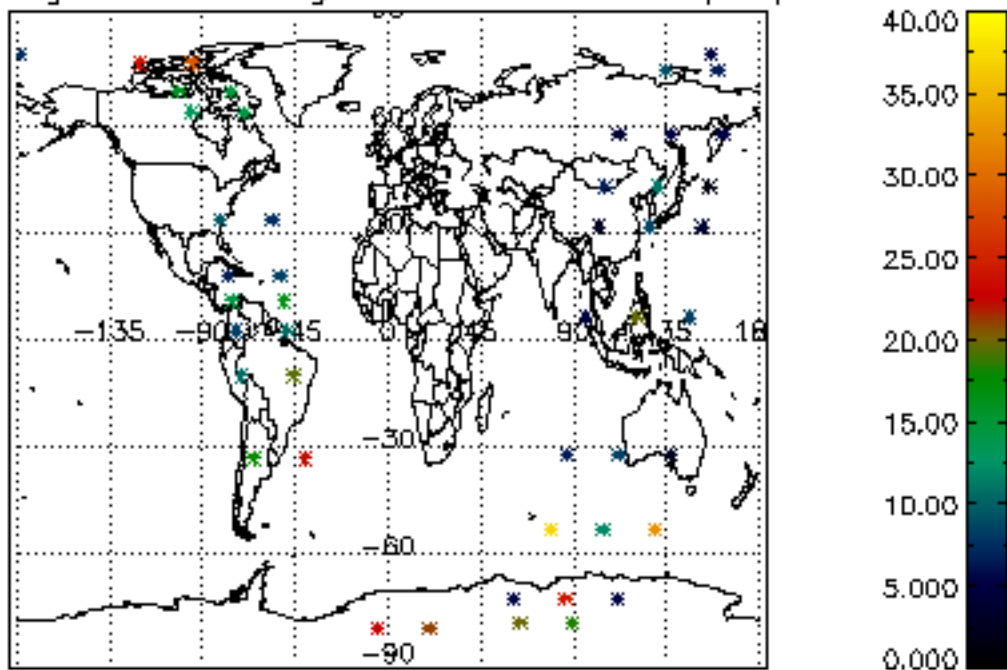
Percentage of cosmic ray hits per profile



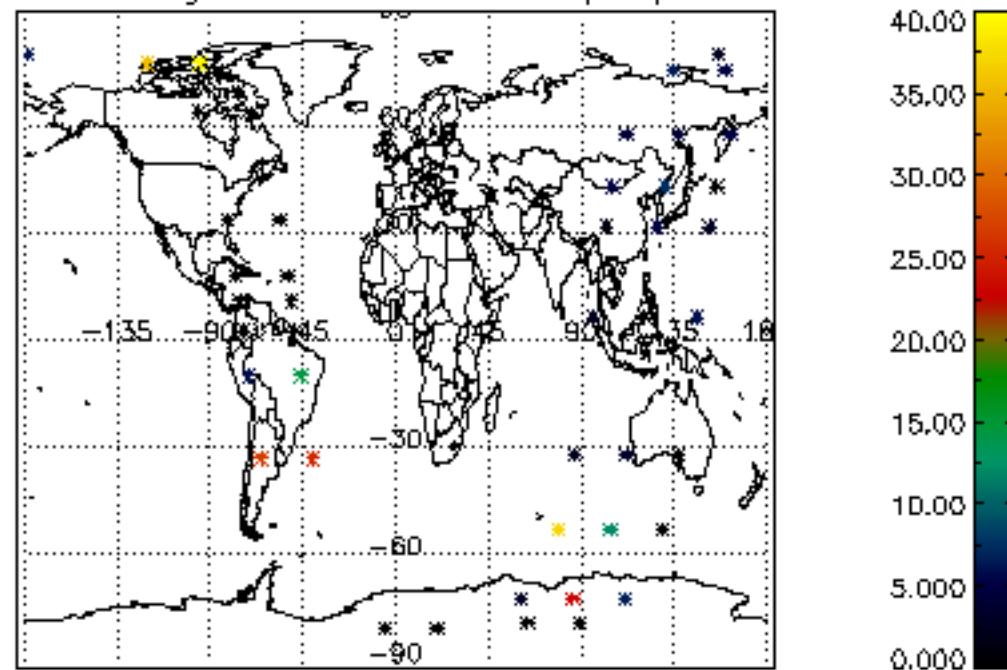
Percentage of datation errors per profile



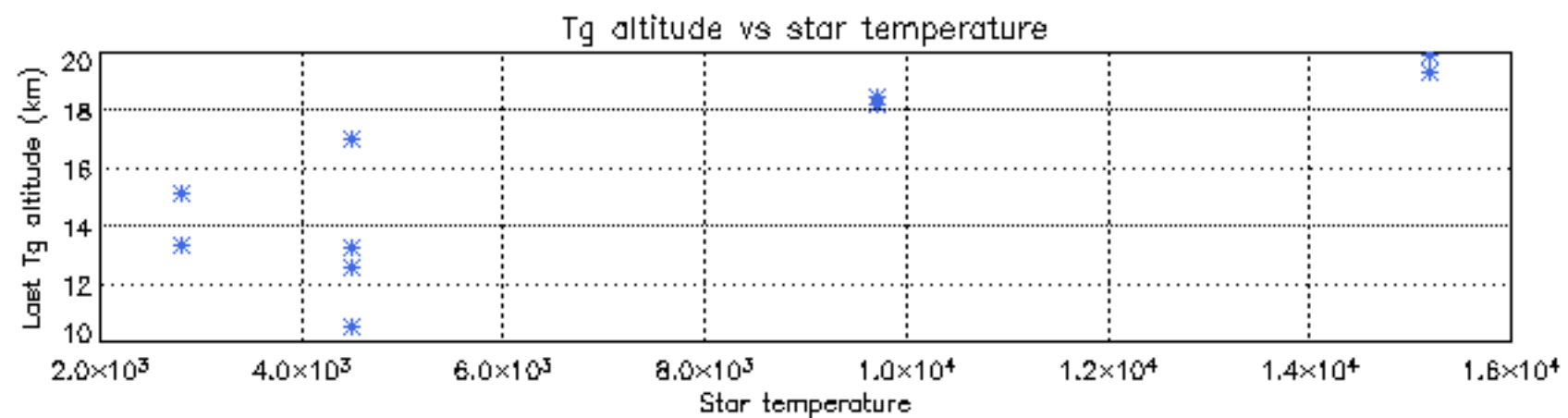
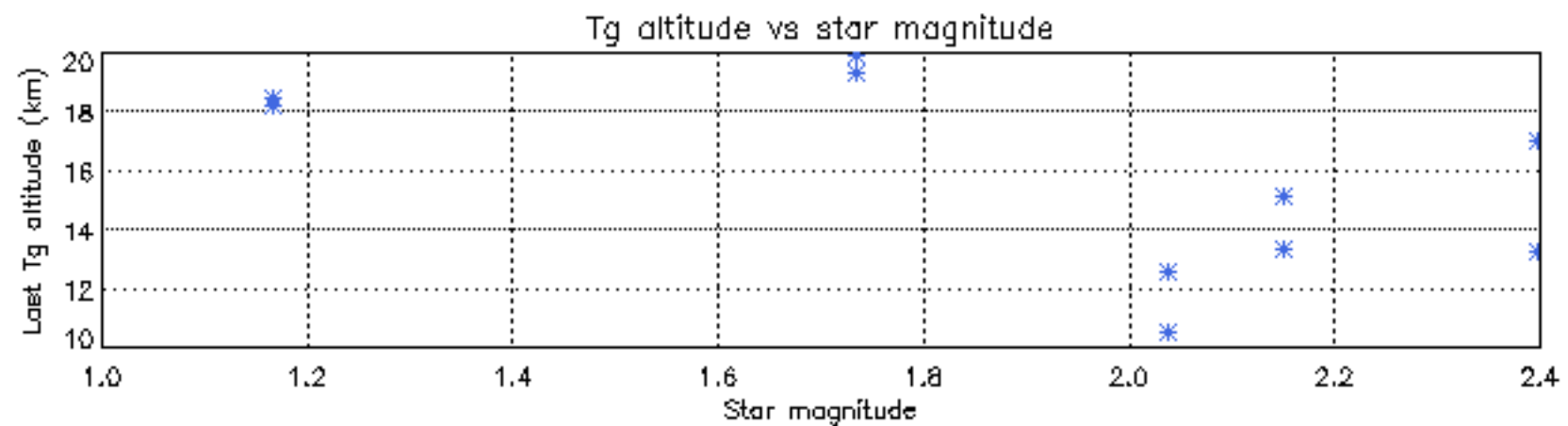
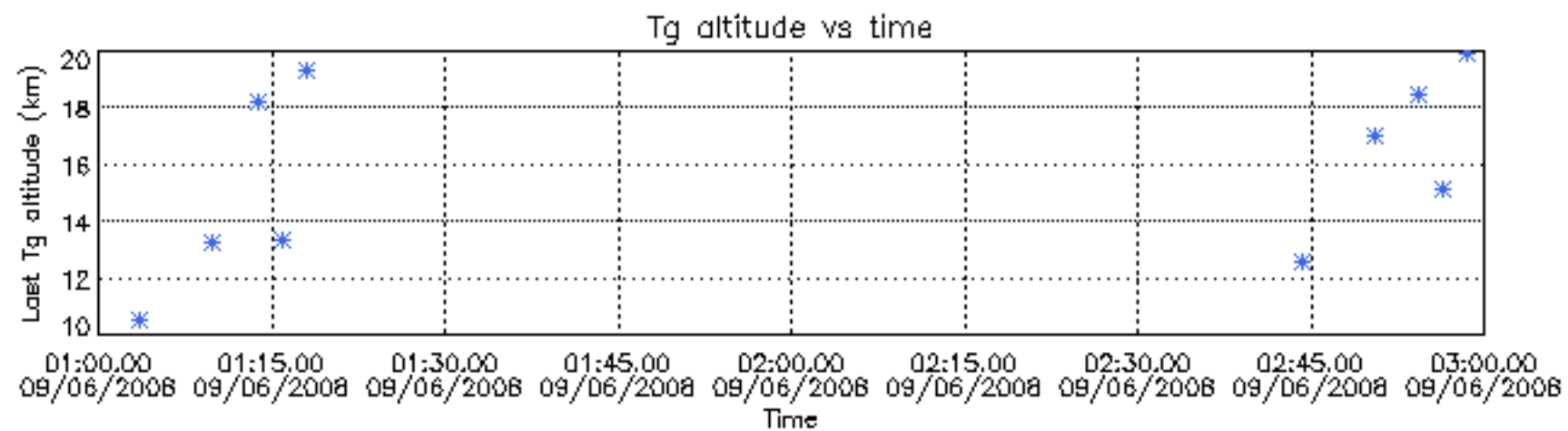
Percentage of star falling outside central band per profile



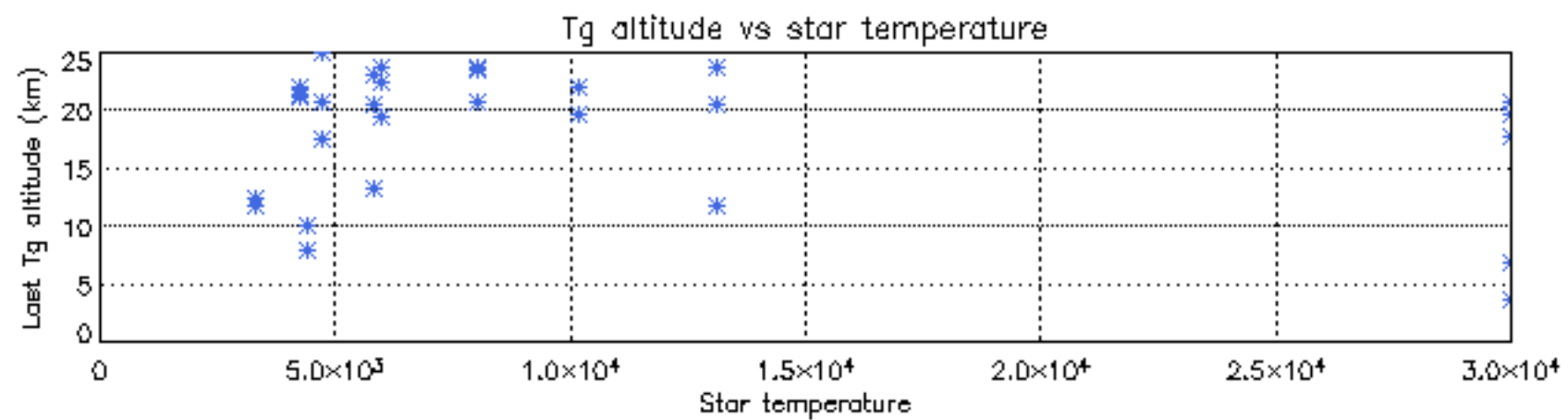
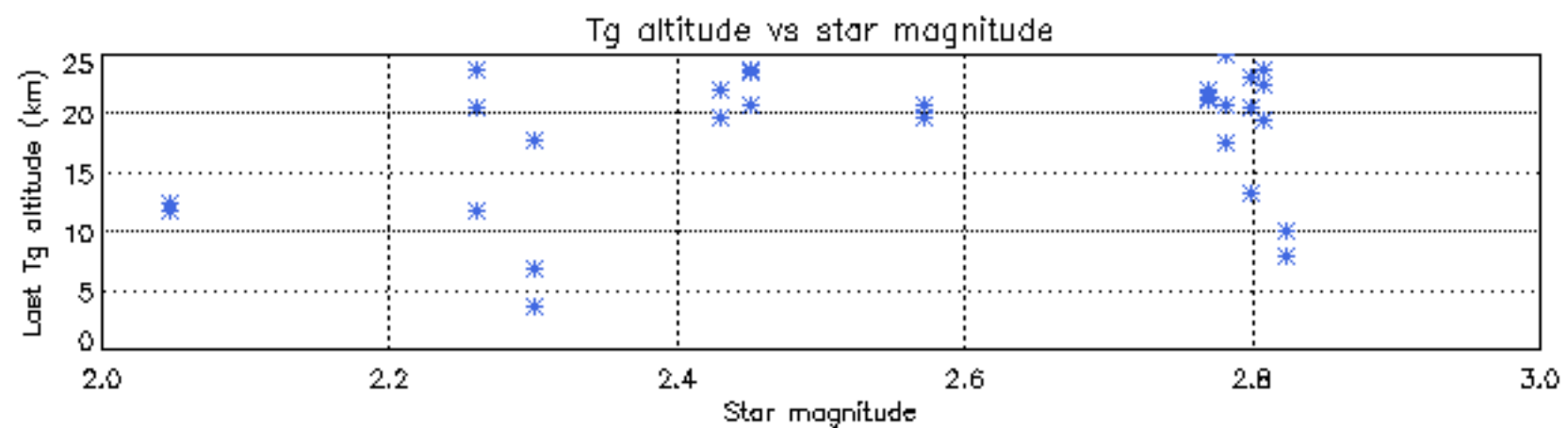
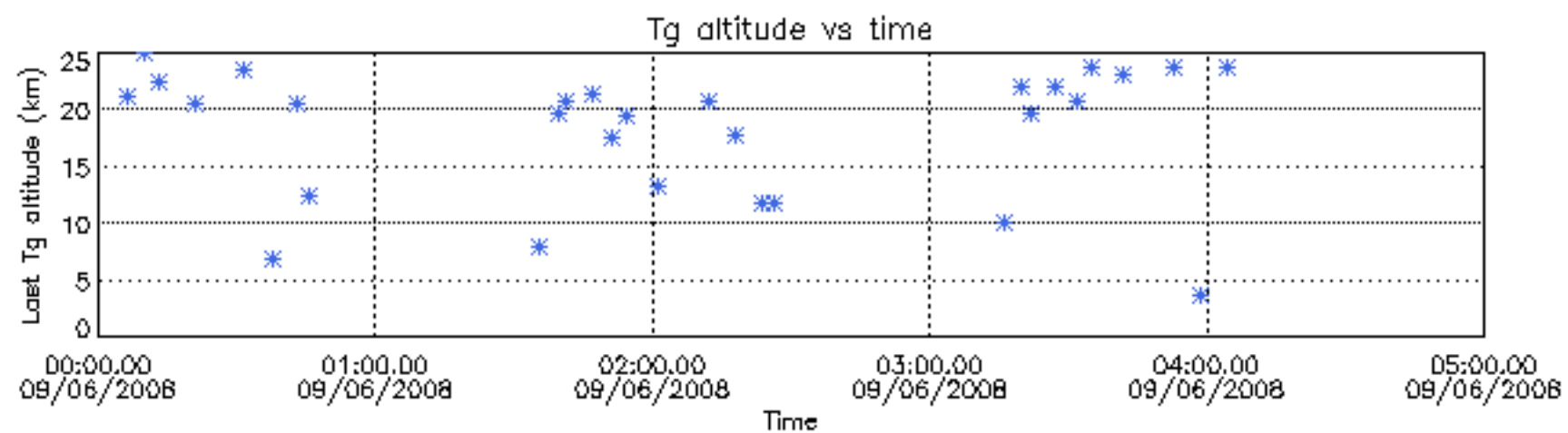
Percentage of saturation errors per profile



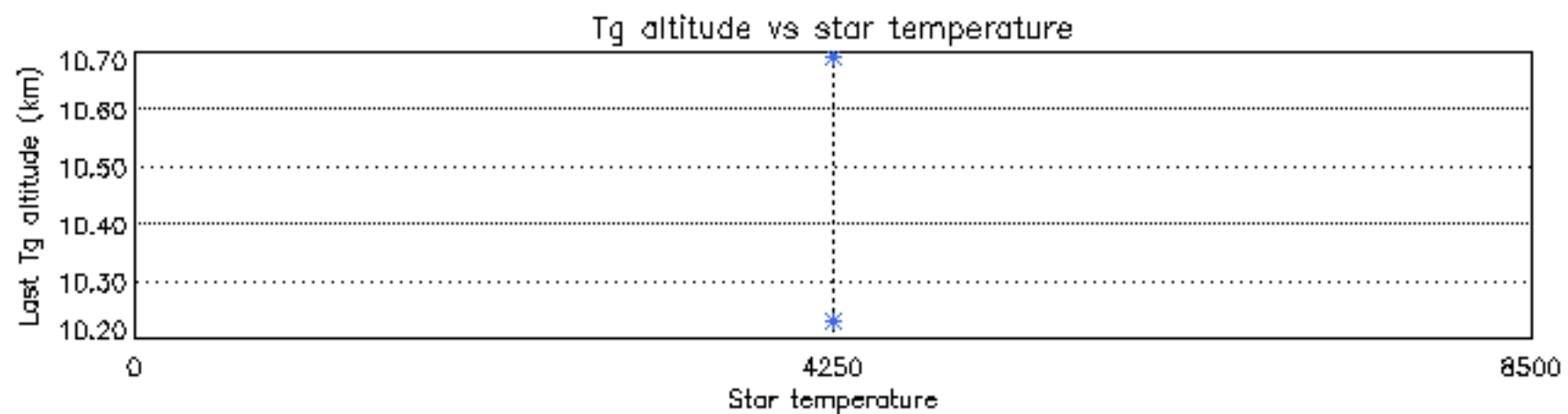
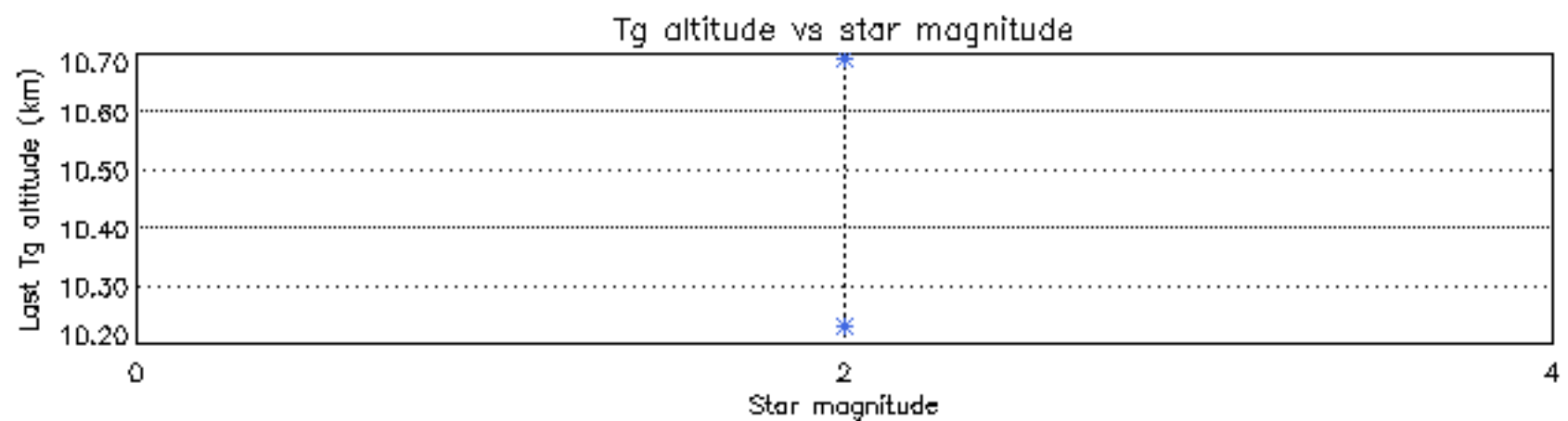
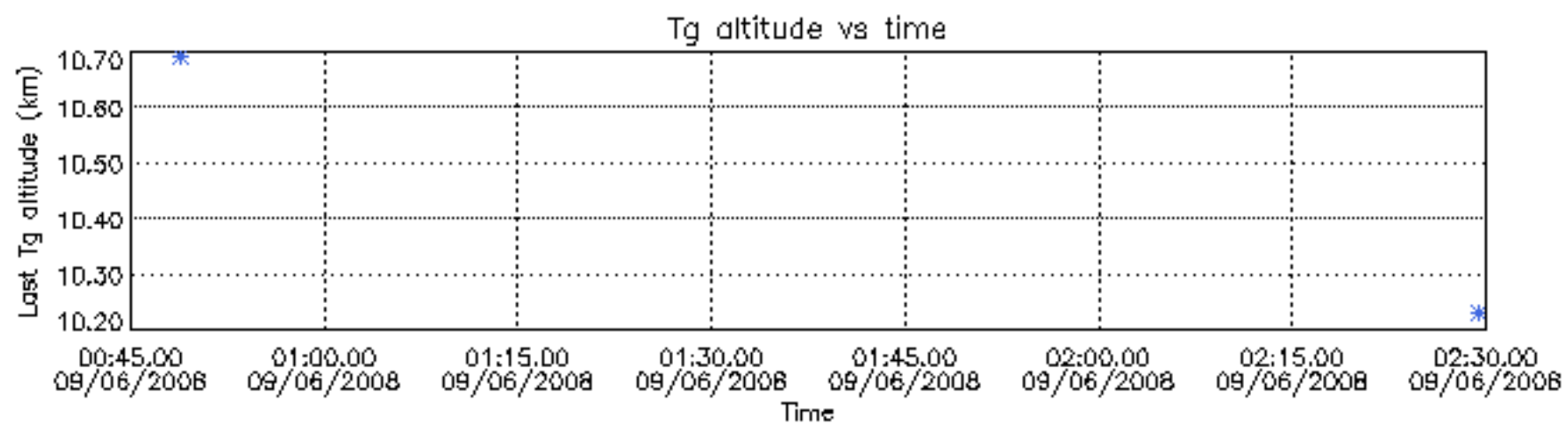
Tangent altitude at which the star is lost

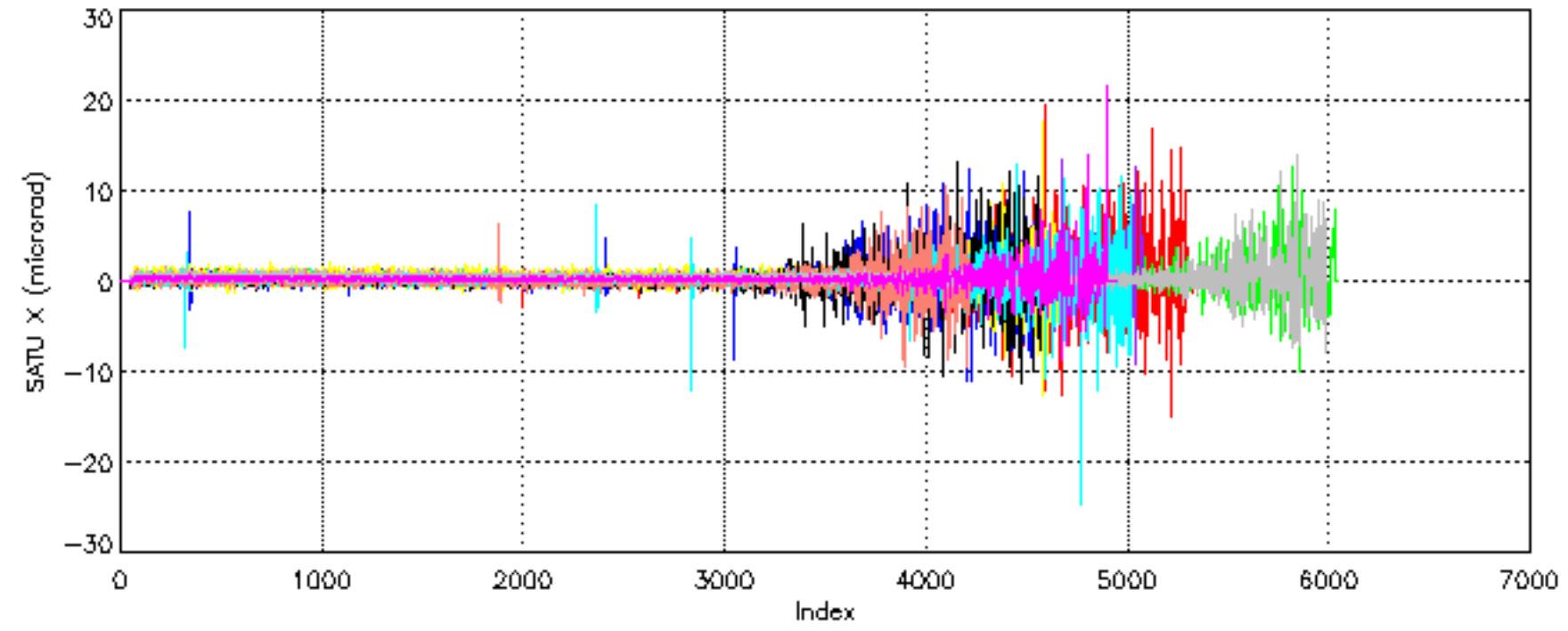


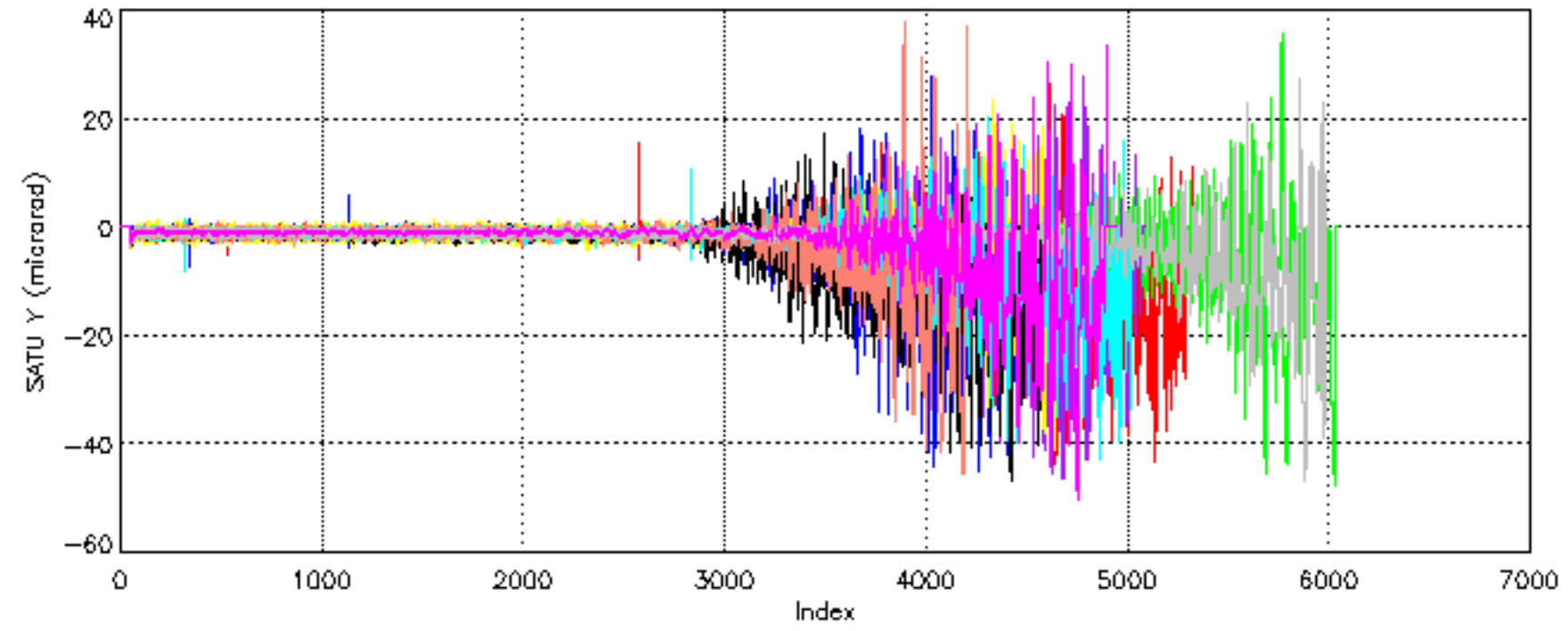
Tangent altitude at which the star is lost

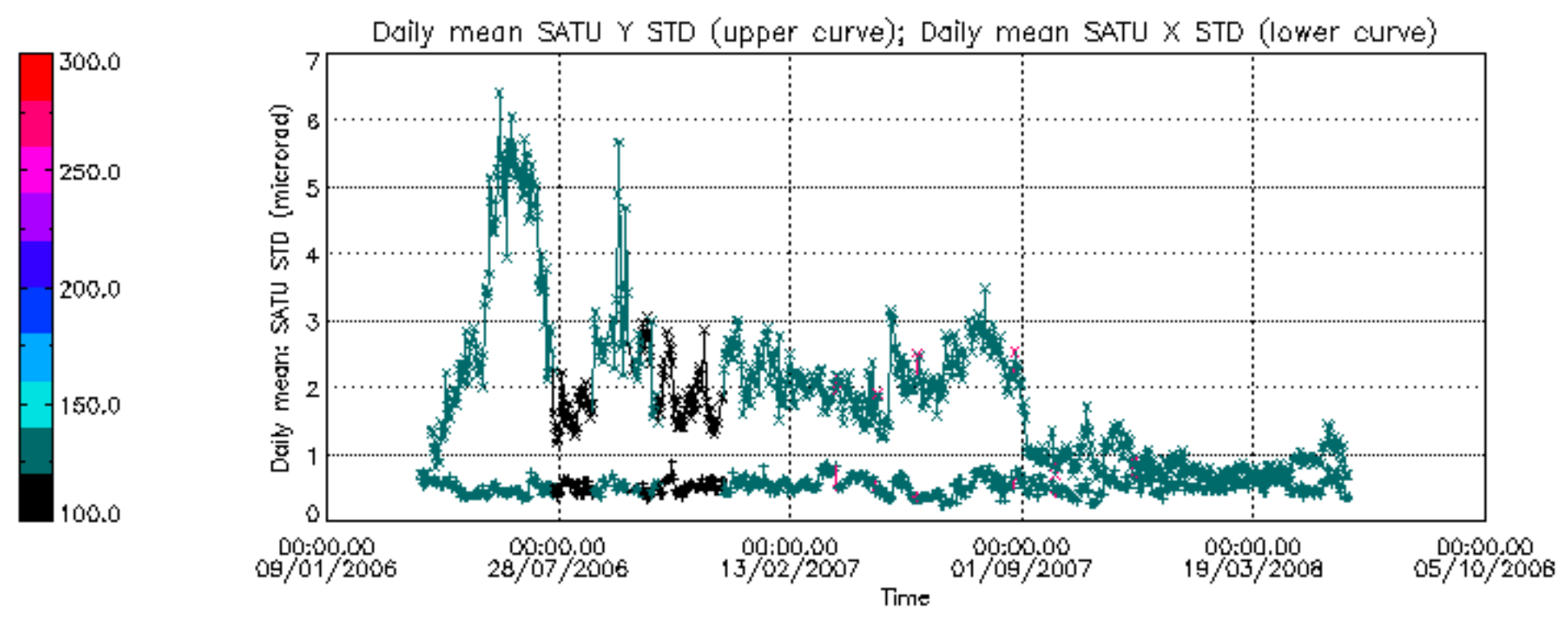


Tangent altitude at which the star is lost









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 2; -641.4; 01-JUN-2008 00:12:31; Dark ; 47.5; 52; 16Bet Cet ; 2.04; 4500;occ; 95; 0;32692
 3; -116.7; 01-JUN-2008 00:21:16; Dark ; 62.0; 18; 24Alp PsA ; 1.17; 9700;occ; 124; 0;32692
 4; 80.8; 01-JUN-2008 00:24:34; Dark ; 61.5; 63; Bet Gru ; 2.15; 2800;occ; 123; 0;32693
 5; 193.6; 01-JUN-2008 00:26:26; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;32693
 6; 491.2; 01-JUN-2008 00:31:24; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32693
 7; 936.9; 01-JUN-2008 00:38:50; Dark ; 39.5; 147; Alp Ara ; 2.88; 26000;occ; 79; 0;32693
 8; 1038.2; 01-JUN-2008 00:40:31; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;32693
 9; 1146.2; 01-JUN-2008 00:42:19; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;32693
 10; 1251.9; 01-JUN-2008 00:44:05; Dark ; 45.0; 75; 26Eps Sco ; 2.29; 4250;occ; 90; 0;32693
 11; 1373.9; 01-JUN-2008 00:46:07; Dark ; 47.5; 136; 23Tau Sco ; 2.82; 30000;occ; 95; 0;32693
 12; 1498.6; 01-JUN-2008 00:48:11; Bright; 37.0; 80; 7Del Sco ; 2.32; 30000;occ; 74; 0;32693
 13; 1591.4; 01-JUN-2008 00:49:44; Bright; 46.0; 86; 35Eta Oph ; 2.43; 10200;occ; 92; 0;32693
 14; 1702.9; 01-JUN-2008 00:51:36; Bright; 59.0; 98; 13Zet Oph ; 2.57; 30000;occ; 118; 0;32693
 15; 1834.0; 01-JUN-2008 00:53:47; Bright; 38.5; 120; 1Del Oph ; 2.73; 3200;occ; 77; 0;32693
 16; 2014.6; 01-JUN-2008 00:56:47; Bright; 36.5; 102; 24Alp Ser ; 2.60; 4250;occ; 73; 0;32693
 17; 2368.7; 01-JUN-2008 01:02:41; Bright; 38.0; 67; 5Alp CrB ; 2.22; 11000;occ; 76; 0;32693
 18; 2526.4; 01-JUN-2008 01:05:19; Bright; 41.0; 133; 40Zet Her ; 2.81; 6000;occ; 82; 0;32693
 19; 3003.7; 01-JUN-2008 01:13:16; Bright; 35.0; 119; 14Eta Dra ; 2.73; 4700;occ; 70; 0;32693
 20; 3626.4; 01-JUN-2008 01:23:39; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;32693
 21; 3928.8; 01-JUN-2008 01:28:42; Bright; 56.0; 76; 27Gam Cas ; 2.30; 30000;occ; 112; 0;32693
 22; 4394.6; 01-JUN-2008 01:36:27; Bright; 43.5; 53; 43Bet And ; 2.05; 3300;occ; 87; 0;32693
 23; 4557.0; 01-JUN-2008 01:39:10; Dark ; 53.5; 58; 21Alp And ; 2.07; 11000;occ; 107; 0;32693
 24; 4855.2; 01-JUN-2008 01:44:08; Dark ; 52.5; 140; 88Gam Peg ; 2.83; 26000;occ; 105; 0;32693

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 4; 81.7; 01-JUN-2008 02:05:10; Dark ; 57.5; 63; Bet Gru ; 2.15; 2800;occ; 115; 0;32694
 5; 194.6; 01-JUN-2008 02:07:03; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;32694
 6; 492.0; 01-JUN-2008 02:12:01; Dark ; 45.0; 45; Alp Pav ; 1.94; 26000;occ; 90; 0;32694
 7; 937.3; 01-JUN-2008 02:19:26; Dark ; 40.5; 147; Alp Ara ; 2.88; 26000;occ; 81; 0;32694
 8; 1038.7; 01-JUN-2008 02:21:07; Dark ; 46.0; 40; The Sco ; 1.86; 7100;occ; 92; 0;32694
 9; 1146.6; 01-JUN-2008 02:22:55; Dark ; 42.5; 25; 35Lam Sco ; 1.62; 28000;occ; 85; 0;32694
 10; 1252.2; 01-JUN-2008 02:24:41; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;32694
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 13; 1591.6; 01-JUN-2008 02:30:20; Bright; 45.5; 86; 35Eta Oph ; 2.43; 10200;occ; 91; 0;32694
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 16; 2014.7; 01-JUN-2008 02:37:23; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;32694
 17; 2368.7; 01-JUN-2008 02:43:17; Bright; 37.0; 67; 5Alp CrB ; 2.22; 11000;occ; 74; 0;32694
 18; 2526.1; 01-JUN-2008 02:45:55; Bright; 43.0; 133; 40Zet Her ; 2.81; 6000;occ; 86; 0;32694
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 6; -749.4; 01-JUN-2008 03:31:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32694
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 12; 937.9; 01-JUN-2008 04:00:02; Dark ; 38.5; 147; Alp Ara ; 2.88; 26000;occ; 77; 0;32695
 13; 1039.3; 01-JUN-2008 04:01:44; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;32695
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 18; 1591.8; 01-JUN-2008 04:10:56; Bright; 45.0; 86; 35Eta Oph ; 2.43; 10200;occ; 90; 0;32695
 19; 1703.3; 01-JUN-2008 04:12:48; Bright; 40.5; 98; 13Zet Oph ; 2.57; 30000;occ; 81; 0;32695
 20; 1834.2; 01-JUN-2008 04:14:59; Bright; 39.0; 120; 1Del Oph ; 2.73; 3200;occ; 78; 0;32695
 21; 2014.9; 01-JUN-2008 04:17:59; Bright; 36.0; 102; 24Alp Ser ; 2.60; 4250;occ; 72; 0;32695


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22; 2368.7; 01-JUN-2008 04:23:53; Bright; 35.5; 67; 5Alp CrB ; 2.22; 11000;occ; 71; 0;32695
23; 2525.7; 01-JUN-2008 04:26:30; Bright; 41.5; 133; 40Zet Her ; 2.81; 6000;occ; 83; 0;32695
24; 3003.4; 01-JUN-2008 04:34:28; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32695
25; 3625.3; 01-JUN-2008 04:44:50; Bright; 34.0; 89; 5Alp Cep ; 2.45; 8000;occ; 68; 0;32695
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 3; -1641.2; 01-JUN-2008 04:57:39; Bright; 40.0; 53; 43Bet And ; 2.05; 3300;occ; 80; 0;32695
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 8; -113.0; 01-JUN-2008 05:23:08; Dark ; 55.0; 18; 24Alp PsA ; 1.17; 9700;occ; 110; 0;32695
 9; 83.5; 01-JUN-2008 05:26:24; Dark ; 61.0; 63; Bet Gru ; 2.15; 2800;occ; 122; 0;32696
10; 196.5; 01-JUN-2008 05:28:17; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;32696
11; 493.3; 01-JUN-2008 05:33:14; Dark ; 46.0; 45; Alp Pav ; 1.94; 26000;occ; 92; 0;32696
12; 938.4; 01-JUN-2008 05:40:39; Dark ; 39.0; 147; Alp Ara ; 2.88; 26000;occ; 78; 0;32696
13; 1039.7; 01-JUN-2008 05:42:20; Dark ; 42.5; 40; The Sco ; 1.86; 7100;occ; 85; 0;32696
14; 1147.4; 01-JUN-2008 05:44:08; Dark ; 46.0; 25; 35Lam Sco ; 1.62; 28000;occ; 92; 0;32696
15; 1253.1; 01-JUN-2008 05:45:54; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;32696
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17; 1499.3; 01-JUN-2008 05:50:00; Bright; 38.5; 80; 7Del Sco ; 2.32; 30000;occ; 77; 0;32696
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21; 2014.9; 01-JUN-2008 05:58:36; Bright; 36.0; 102; 24Alp Ser ; 2.60; 4250;occ; 72; 0;32696
22; 2368.5; 01-JUN-2008 06:04:29; Bright; 36.5; 67; 5Alp CrB ; 2.22; 11000;occ; 73; 0;32696
23; 2525.2; 01-JUN-2008 06:07:06; Bright; 43.0; 133; 40Zet Her ; 2.81; 6000;occ; 86; 0;32696
24; 3002.9; 01-JUN-2008 06:15:04; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32696
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 4; 1255.7; 01-JUN-2008 20:51:20; Dark ; 45.5; 75; 26Eps Sco ; 2.29; 4250;occ; 91; 0;32705
 5; 1376.8; 01-JUN-2008 20:53:21; Dark ; 56.0; 136; 23Tau Sco ; 2.82; 30000;occ; 112; 0;32705
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11; 2520.8; 01-JUN-2008 21:12:25; Bright; 42.0; 133; 40Zet Her ; 2.81; 6000;occ; 84; 0;32705
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 8; 4399.1; 04-JUN-2008 10:05:17; Bright; 47.0; 53; 43Bet And ; 2.05; 3300;occ; 94; 0;32741
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12; 5426.8; 04-JUN-2008 10:22:24; Dark ; 48.0; 52; 16Bet Cet ; 2.04; 4500;occ; 96; 0;32741
13; 5824.7; 04-JUN-2008 10:29:02; Dark ; 40.0; 84; Alp Phe ; 2.40; 4500;occ; 80; 0;32741
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19; 7094.9; 04-JUN-2008 10:50:13; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;32741
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 3; 2014.7; 04-JUN-2008 11:06:08; Bright; 36.0; 102; 24Alp Ser ; 2.60; 4250;occ; 72; 0;32742
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 5; 2504.6; 04-JUN-2008 11:14:18; Bright; 42.0; 133; 40Zet Her ; 2.81; 6000;occ; 84; 0;32742
 6; 2944.6; 04-JUN-2008 11:21:38; Bright; 43.0; 130; 23Bet Dra ; 2.80; 5800;occ; 86; 0;32742
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 19; 6561.0; 04-JUN-2008 12:21:55; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32742
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 23; 7302.5; 04-JUN-2008 12:34:16; Dark ; 44.5; 75; 26Eps Sco ; 2.29; 4250;occ; 89; 0;32742
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 3; 2014.7; 04-JUN-2008 12:46:44; Bright; 53.0; 102; 24Alp Ser ; 2.60; 4250;occ; 106; 0;32743
 4; 2305.2; 04-JUN-2008 12:51:35; Bright; 59.0; 127; 27Bet Her ; 2.78; 4700;occ; 118; 0;32743
 5; 2504.3; 04-JUN-2008 12:54:54; Bright; 41.5; 133; 40Zet Her ; 2.81; 6000;occ; 83; 0;32743
 6; 2944.2; 04-JUN-2008 13:02:14; Bright; 43.5; 130; 23Bet Dra ; 2.80; 5800;occ; 87; 0;32743
 7; 3596.2; 04-JUN-2008 13:13:06; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;32743
 8; 3923.5; 04-JUN-2008 13:18:33; Bright; 36.0; 76; 27Gam Cas ; 2.30; 30000;occ; 72; 0;32743
 9; 4399.4; 04-JUN-2008 13:26:29; Bright; 46.0; 53; 43Bet And ; 2.05; 3300;occ; 92; 0;32743
 10; 4567.7; 04-JUN-2008 13:29:17; Dark ; 40.0; 58; 21Alp And ; 2.07; 11000;occ; 80; 0;32743
 11; 4643.4; 04-JUN-2008 13:30:33; Dark ; 41.5; 105; 6Bet Ari ; 2.64; 8900;occ; 83; 0;32743
 12; 4882.7; 04-JUN-2008 13:34:32; Dark ; 55.0; 140; 88Gam Peg ; 2.83; 26000;occ; 110; 0;32743
 13; 5333.0; 04-JUN-2008 13:42:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32743
 14; 5428.2; 04-JUN-2008 13:43:38; Dark ; 47.0; 52; 16Bet Cet ; 2.04; 4500;occ; 94; 0;32743
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 16; 5986.4; 04-JUN-2008 13:52:56; Dark ; 56.0; 18; 24Alp PsA ; 1.17; 9700;occ; 112; 0;32743
 17; 6161.5; 04-JUN-2008 13:55:51; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;32743
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 19; 6561.7; 04-JUN-2008 14:02:31; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32743
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 23; 7302.9; 04-JUN-2008 14:14:52; Dark ; 44.5; 75; 26Eps Sco ; 2.29; 4250;occ; 89; 0;32743
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 3; 1834.4; 04-JUN-2008 14:24:20; Bright; 38.5; 120; 1Del Oph ; 2.73; 3200;occ; 77; 0;32744
 4; 2014.8; 04-JUN-2008 14:27:20; Bright; 53.0; 102; 24Alp Ser ; 2.60; 4250;occ; 106; 0;32744
 5; 2305.0; 04-JUN-2008 14:32:10; Bright; 40.5; 127; 27Bet Her ; 2.78; 4700;occ; 81; 0;32744
 6; 2504.0; 04-JUN-2008 14:35:29; Bright; 42.5; 133; 40Zet Her ; 2.81; 6000;occ; 85; 0;32744
 7; 2943.6; 04-JUN-2008 14:42:49; Bright; 44.0; 130; 23Bet Dra ; 2.80; 5800;occ; 88; 0;32744
 8; 3595.4; 04-JUN-2008 14:53:41; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;32744
 9; 3923.3; 04-JUN-2008 14:59:09; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;32744
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 13; 4883.5; 04-JUN-2008 15:15:09; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32744
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 16; 5826.6; 04-JUN-2008 15:30:52; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;32744
 17; 5987.8; 04-JUN-2008 15:33:33; Dark ; 57.0; 18; 24Alp PsA ; 1.17; 9700;occ; 114; 0;32744
 18; 6162.4; 04-JUN-2008 15:36:28; Dark ; 48.0; 63; Bet Gru ; 2.15; 2800;occ; 96; 0;32744
 19; 6279.1; 04-JUN-2008 15:38:24; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;32744
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 21; 6993.6; 04-JUN-2008 15:50:19; Dark ; 37.5; 147; Alp Ara ; 2.88; 26000;occ; 75; 0;32744
 22; 7096.3; 04-JUN-2008 15:52:02; Dark ; 44.5; 40; The Sco ; 1.86; 7100;occ; 89; 0;32744
 23; 7202.8; 04-JUN-2008 15:53:48; Dark ; 43.5; 25; 35Lam Sco ; 1.62; 28000;occ; 87; 0;32744
 24; 7303.1; 04-JUN-2008 15:55:28; Dark ; 40.5; 75; 26Eps Sco ; 2.29; 4250;occ; 81; 0;32744

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 3; 1596.7; 04-JUN-2008 16:00:58; Bright; 44.0; 86; 35Eta Oph ; 2.43; 10200;occ; 88; 0;32745
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 5; 1834.5; 04-JUN-2008 16:04:56; Bright; 38.5; 120; 1Del Oph ; 2.73; 3200;occ; 77; 0;32745
 6; 2014.7; 04-JUN-2008 16:07:56; Bright; 36.5; 102; 24Alp Ser ; 2.60; 4250;occ; 73; 0;32745
 7; 2304.7; 04-JUN-2008 16:12:46; Bright; 40.0; 127; 27Bet Her ; 2.78; 4700;occ; 80; 0;32745
 8; 2503.5; 04-JUN-2008 16:16:05; Bright; 41.5; 133; 40Zet Her ; 2.81; 6000;occ; 83; 0;32745
 9; 2942.9; 04-JUN-2008 16:23:24; Bright; 45.0; 130; 23Bet Dra ; 2.80; 5800;occ; 90; 0;32745
 10; 3594.8; 04-JUN-2008 16:34:16; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;32745
 11; 3923.2; 04-JUN-2008 16:39:44; Bright; 56.0; 76; 27Gam Cas ; 2.30; 30000;occ; 112; 0;32745
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 19; 5989.2; 04-JUN-2008 17:14:10; Dark ; 68.0; 18; 24Alp PsA ; 1.17; 9700;occ; 136; 0;32745
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 21; 6280.0; 04-JUN-2008 17:19:01; Dark ; 47.0; 31; Alp Gru ; 1.73; 15200;occ; 94; 0;32745
 22; 6563.1; 04-JUN-2008 17:23:44; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32745
 23; 6994.1; 04-JUN-2008 17:30:55; Dark ; 38.5; 147; Alp Ara ; 2.88; 26000;occ; 77; 0;32745
 24; 7096.8; 04-JUN-2008 17:32:38; Dark ; 46.0; 40; The Sco ; 1.86; 7100;occ; 92; 0;32745
 25; 7203.2; 04-JUN-2008 17:34:25; Dark ; 17.0; 25; 35Lam Sco ; 1.62; 28000;occ; 34; 0;32745

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 3; 1267.4; 04-JUN-2008 17:36:05; Dark ; 42.0; 75; 26Eps Sco ; 2.29; 4250;occ; 84; 0;32746
 4; 1386.2; 04-JUN-2008 17:38:04; Dark ; 43.5; 136; 23Tau Sco ; 2.82; 30000;occ; 87; 0;32746
 5; 1596.9; 04-JUN-2008 17:41:34; Bright; 42.5; 86; 35Eta Oph ; 2.43; 10200;occ; 85; 0;32746
 6; 1705.6; 04-JUN-2008 17:43:23; Bright; 39.5; 98; 13Zet Oph ; 2.57; 30000;occ; 79; 0;32746
 7; 1834.4; 04-JUN-2008 17:45:32; Bright; 38.0; 120; 1Del Oph ; 2.73; 3200;occ; 76; 0;32746
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 22; 6281.0; 04-JUN-2008 18:59:38; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;32746
 23; 6563.7; 04-JUN-2008 19:04:21; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32746
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22; 6573.7; 05-JUN-2008 20:13:30; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;32761
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5; 144.4; 06-JUN-2008 01:08:44; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;32765
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16; 2495.8; 06-JUN-2008 01:47:56; Bright; 40.5; 133; 40Zet Her ; 2.81; 6000;occ; 81; 0;32765
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9; 146.2; 06-JUN-2008 04:29:58; Dark ; 58.5; 63; Bet Gru ; 2.15; 2800;occ; 117; 0;32767
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11; 541.0; 06-JUN-2008 04:36:33; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32767
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17; 1706.8; 06-JUN-2008 04:55:59; Bright; 39.0; 98; 13Zet Oph ; 2.57; 30000;occ; 78; 0;32767
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19; 2298.8; 06-JUN-2008 05:05:51; Bright; 41.0; 127; 27Bet Her ; 2.78; 4700;occ; 82; 0;32767
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 12; 1069.5; 06-JUN-2008 06:25:57; Dark ; 44.5; 40; The Sco ; 1.86; 7100;occ; 89; 0;32768
 13; 1175.3; 06-JUN-2008 06:27:43; Dark ; 44.0; 25; 35Lam Sco ; 1.62; 28000;occ; 88; 0;32768
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 15; 1426.9; 06-JUN-2008 06:31:55; Bright; 46.5; 16; 21Alp Sco ; 1.02; 3000;occ; 93; 0;32768
 16; 1599.0; 06-JUN-2008 06:34:47; Bright; 43.0; 86; 35Eta Oph ; 2.43; 10200;occ; 86; 0;32768
 17; 1706.8; 06-JUN-2008 06:36:35; Bright; 39.0; 98; 13Zet Oph ; 2.57; 30000;occ; 78; 0;32768
 18; 1835.0; 06-JUN-2008 06:38:43; Bright; 37.0; 120; 1Del Oph ; 2.73; 3200;occ; 74; 0;32768
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 5; 1708.1; 07-JUN-2008 21:10:23; Bright; 38.0; 98; 13Zet Oph ; 2.57; 30000;occ; 76; 0;32791
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19; 6095.2; 09-JUN-2008 19:39:40; Dark ; 48.0; 18; 24Alp PsA ; 1.17; 9700;occ; 96; 0;32818
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19; 3911.8; 10-JUN-2008 01:45:40; Bright; 58.0; 76; 27Gam Cas ; 2.30; 30000;occ; 116; 0;32822
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13; 2030.4; 10-JUN-2008 02:54:54; Bright; 47.5; 126; 60Bet Oph ; 2.77; 4250;occ; 95; 0;32823
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14; 1194.9; 10-JUN-2008 04:21:35; Dark ; 40.5; 25; 35Lam Sco ; 1.62; 28000;occ; 81; 0;32824
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21; 2476.9; 10-JUN-2008 04:42:57; Bright; 39.0; 133; 40Zet Her ; 2.81; 6000;occ; 78; 0;32824
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13; 1195.1; 10-JUN-2008 06:02:11; Dark ; 40.0; 25; 35Lam Sco ; 1.62; 28000;occ; 80; 0;32825
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16; 1711.1; 10-JUN-2008 06:10:47; Bright; 40.5; 98; 13Zet Oph ; 2.57; 30000;occ; 81; 0;32825
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19; 2286.7; 10-JUN-2008 06:20:23; Bright; 56.0; 127; 27Bet Her ; 2.78; 4700;occ; 112; 0;32825
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4; 1606.2; 10-JUN-2008 21:14:26; Bright; 40.5; 86; 35Eta Oph ; 2.43; 10200;occ; 81; 0;32834
5; 1711.7; 10-JUN-2008 21:16:11; Bright; 37.5; 98; 13Zet Oph ; 2.57; 30000;occ; 75; 0;32834

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 10; 2896.6; 10-JUN-2008 21:35:56; Bright; 42.5; 130; 23Bet Dra ; 2.80; 5800;occ; 85; 0;32834
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 21; 4406.8; 10-JUN-2008 23:41:42; Dark ; 62.0; 53; 43Bet And ; 2.05; 3300;occ; 124; 0;32835
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 4; 210.3; 11-JUN-2008 00:12:22; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;32836
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 19; 3909.4; 11-JUN-2008 01:14:01; Bright; 37.0; 76; 27Gam Cas ; 2.30; 30000;occ; 74; 0;32836
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21; 6628.8; 11-JUN-2008 18:45:19; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32846

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4; 1712.9; 11-JUN-2008 19:03:59; Bright; 37.5; 98; 13Zet Oph ; 2.57; 30000;occ; 75; 0;32847
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6; 2177.8; 11-JUN-2008 19:11:44; Bright; 47.5; 59; 55Alp Oph ; 2.08; 8900;occ; 95; 0;32847
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8; 2470.7; 11-JUN-2008 19:16:37; Bright; 37.5; 133; 40Zet Her ; 2.81; 6000;occ; 75; 0;32847
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11; 3907.4; 11-JUN-2008 19:40:34; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;32847
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13; 4407.8; 11-JUN-2008 19:48:54; Dark ; 56.0; 53; 43Bet And ; 2.05; 3300;occ; 112; 0;32847
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15; 5399.1; 11-JUN-2008 20:05:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32847
16; 5511.4; 11-JUN-2008 20:07:18; Dark ; 53.5; 52; 16Bet Cet ; 2.04; 4500;occ; 107; 0;32847
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18; 6257.7; 11-JUN-2008 20:19:44; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;32847
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6; 2893.9; 11-JUN-2008 07:39:29; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;32840
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8; 3908.7; 11-JUN-2008 07:56:24; Bright; 58.0; 76; 27Gam Cas ; 2.30; 30000;occ; 116; 0;32840
9; 4267.4; 11-JUN-2008 08:02:22; Bright; 38.5; 73; 57Gam1And ; 2.26; 13100;occ; 77; 0;32840
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14; 5890.5; 11-JUN-2008 08:29:26; Dark ; 42.5; 84; Alp Phe ; 2.40; 4500;occ; 85; 0;32840
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17; 6466.0; 11-JUN-2008 08:39:01; Dark ; 57.5; 172; Gam Gru ; 3.00; 13100;occ; 115; 0;32840
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19; 7236.2; 11-JUN-2008 08:51:51; Dark ; 43.5; 25; 35Lam Sco ; 1.62; 28000;occ; 87; 0;32840
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4; 2179.3; 11-JUN-2008 12:29:22; Bright; 46.0; 59; 55Alp Oph ; 2.08; 8900;occ; 92; 0;32843
5; 2283.8; 11-JUN-2008 12:31:06; Bright; 36.5; 127; 27Bet Her ; 2.78; 4700;occ; 73; 0;32843
6; 2471.8; 11-JUN-2008 12:34:14; Bright; 38.5; 133; 40Zet Her ; 2.81; 6000;occ; 77; 0;32843

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13; 5395.2; 11-JUN-2008 13:22:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32843
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17; 6375.7; 11-JUN-2008 13:39:18; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;32843
18; 6470.0; 11-JUN-2008 13:40:53; Dark ; 58.5; 172; Gam Gru ; 3.00; 13100;occ; 117; 0;32843
19; 6626.8; 11-JUN-2008 13:43:29; Dark ; 48.0; 45; Alp Pav ; 1.94; 26000;occ; 96; 0;32843
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5; 2283.7; 11-JUN-2008 14:11:42; Bright; 37.0; 127; 27Bet Her ; 2.78; 4700;occ; 74; 0;32844
6; 2471.5; 11-JUN-2008 14:14:50; Bright; 37.0; 133; 40Zet Her ; 2.81; 6000;occ; 74; 0;32844
7; 2892.0; 11-JUN-2008 14:21:51; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;32844
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9; 3908.1; 11-JUN-2008 14:38:47; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;32844
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13; 5396.2; 11-JUN-2008 15:03:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32844
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6; 443.6; 12-JUN-2008 01:25:14; Dark ; 56.0; 172; Gam Gru ; 3.00; 13100;occ; 112; 0;32851
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14; 2282.5; 12-JUN-2008 01:55:53; Bright; 36.0; 127; 27Bet Her ; 2.78; 4700;occ; 72; 0;32851
15; 2469.7; 12-JUN-2008 01:59:00; Bright; 37.5; 133; 40Zet Her ; 2.81; 6000;occ; 75; 0;32851
16; 2888.8; 12-JUN-2008 02:05:59; Bright; 41.0; 130; 23Bet Dra ; 2.80; 5800;occ; 82; 0;32851
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9; 347.7; 12-JUN-2008 03:04:14; Dark ; 47.0; 31; Alp Gru ; 1.73; 15200;occ; 94; 0;32852
10; 445.1; 12-JUN-2008 03:05:51; Dark ; 57.5; 172; Gam Gru ; 3.00; 13100;occ; 115; 0;32852
11; 596.0; 12-JUN-2008 03:08:22; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32852
12; 1203.7; 12-JUN-2008 03:18:30; Dark ; 46.0; 25; 35Lam Sco ; 1.62; 28000;occ; 92; 0;32852

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19; 2469.5; 12-JUN-2008 03:39:36; Bright; 37.0; 133; 40Zet Her ; 2.81; 6000;occ; 74; 0;32852
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13; 1305.6; 12-JUN-2008 05:00:48; Dark ; 53.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 107; 0;32853
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9; 255.5; 14-JUN-2008 07:01:16; Dark ; 63.5; 63; Bet Gru ; 2.15; 2800;occ; 127; 0;32883
10; 615.3; 14-JUN-2008 07:07:15; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32883
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17; 1611.7; 14-JUN-2008 07:23:52; Bright; 39.0; 86; 35Eta Oph ; 2.43; 10200;occ; 78; 0;32883
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13; 4269.3; 14-JUN-2008 08:08:09; Bright; 39.5; 73; 57Gam1And ; 2.26; 13100;occ; 79; 0;32883
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16; 4902.2; 14-JUN-2008 08:18:42; Dark ; 43.5; 94; 92Alp Cet ; 2.53; 3100;occ; 87; 0;32883
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19; 6292.3; 14-JUN-2008 08:41:52; Dark ; 50.5; 63; Bet Gru ; 2.15; 2800;occ; 101; 0;32883
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23; 7146.3; 14-JUN-2008 08:56:06; Dark ; 43.5; 40; The Sco ; 1.86; 7100;occ; 87; 0;32883
24; 7249.4; 14-JUN-2008 08:57:49; Dark ; 43.5; 25; 35Lam Sco ; 1.62; 28000;occ; 87; 0;32883
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26; 7504.6; 14-JUN-2008 09:02:05; Bright; 36.0; 156; 20Sig Sco ; 2.90; 28000;occ; 72; 0;32883
27; 7647.9; 14-JUN-2008 09:04:28; Bright; 39.0; 86; 35Eta Oph ; 2.43; 10200;occ; 78; 0;32883
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3; 2278.7; 14-JUN-2008 09:15:35; Bright; 37.5; 127; 27Bet Her ; 2.78; 4700;occ; 75; 0;32884
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13; 4403.8; 14-JUN-2008 09:51:00; Bright; 37.0; 173; 4Bet Tri ; 3.00; 8900;occ; 74; 0;32884
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19; 6652.4; 14-JUN-2008 10:28:28; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32884
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13; 4269.4; 14-JUN-2008 11:29:21; Bright; 56.0; 73; 57Gam1And ; 2.26; 13100;occ; 112; 0;32885
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23; 7146.9; 14-JUN-2008 12:17:19; Dark ; 43.0; 40; The Sco ; 1.86; 7100;occ; 86; 0;32885
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5; 2278.4; 14-JUN-2008 12:36:46; Bright; 36.0; 127; 27Bet Her ; 2.78; 4700;occ; 72; 0;32886
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 22; 6960.5; 14-JUN-2008 13:54:48; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;32886
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 22; 6960.9; 14-JUN-2008 15:35:25; Dark ; 38.0; 141; Bet Ara ; 2.84; 4600;occ; 76; 0;32887
 23; 7042.5; 14-JUN-2008 15:36:46; Dark ; 38.0; 147; Alp Ara ; 2.88; 26000;occ; 76; 0;32887
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 25; 7250.7; 14-JUN-2008 15:40:14; Dark ; 45.0; 25; 35Lam Sco ; 1.62; 28000;occ; 90; 0;32887
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26; 3169.4; 15-JUN-2008 03:57:01; Bright; 31.5; 60; 7Bet UMi ; 2.08; 3950;occ; 63; 0;32895
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9; 268.0; 15-JUN-2008 04:49:15; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;32896
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 24; 4406.0; 15-JUN-2008 22:44:12; Bright; 40.0; 173; 4Bet Tri ; 3.00; 8900;occ; 80; 0;32906
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2;	1305.9;	15-JUN-2008	16:50:45;	Dark	;	42.5;	75;	26Eps	Sco	;	2.29;	4250;	occ;	85;	0;	32903
3;	1472.0;	15-JUN-2008	16:53:31;	Bright;	;	37.0;	156;	20Sig	Sco	;	2.90;	28000;	occ;	74;	0;	32903
4;	1614.2;	15-JUN-2008	16:55:53;	Bright;	;	39.0;	86;	35Eta	Oph	;	2.43;	10200;	occ;	78;	0;	32903
5;	1718.5;	15-JUN-2008	16:57:37;	Bright;	;	36.0;	98;	13Zet	Oph	;	2.57;	30000;	occ;	72;	0;	32903
6;	1844.4;	15-JUN-2008	16:59:43;	Bright;	;	36.0;	120;	1Del	Oph	;	2.73;	3200;	occ;	72;	0;	32903
7;	2277.0;	15-JUN-2008	17:06:56;	Bright;	;	36.5;	127;	27Bet	Her	;	2.78;	4700;	occ;	73;	0;	32903
8;	2369.0;	15-JUN-2008	17:08:28;	Bright;	;	34.5;	67;	5Alp	CrB	;	2.22;	11000;	occ;	69;	0;	32903
9;	2458.9;	15-JUN-2008	17:09:58;	Bright;	;	36.0;	133;	40Zet	Her	;	2.81;	6000;	occ;	72;	0;	32903
10;	2867.3;	15-JUN-2008	17:16:46;	Bright;	;	39.0;	130;	23Bet	Dra	;	2.80;	5800;	occ;	78;	0;	32903
11;	2961.4;	15-JUN-2008	17:18:20;	Bright;	;	36.0;	119;	14Eta	Dra	;	2.73;	4700;	occ;	72;	0;	32903
12;	3169.9;	15-JUN-2008	17:21:48;	Bright;	;	37.0;	60;	7Bet	UMi	;	2.08;	3950;	occ;	74;	0;	32903
13;	3446.8;	15-JUN-2008	17:26:25;	Bright;	;	35.0;	49;	1Alp	UMi	;	1.99;	6300;	occ;	70;	0;	32903
14;	3896.5;	15-JUN-2008	17:33:55;	Bright;	;	38.5;	76;	27Gam	Cas	;	2.30;	30000;	occ;	77;	0;	32903
15;	4062.4;	15-JUN-2008	17:36:41;	Bright;	;	34.0;	160;	23Gam	Per	;	2.93;	4700;	occ;	68;	0;	32903
16;	4270.0;	15-JUN-2008	17:40:09;	Bright;	;	40.5;	73;	57Gam1	And	;	2.26;	13100;	occ;	81;	0;	32903
17;	4405.9;	15-JUN-2008	17:42:25;	Bright;	;	39.5;	173;	4Bet	Tri	;	3.00;	8900;	occ;	79;	0;	32903
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19;	4907.2;	15-JUN-2008	17:50:46;	Dark	;	49.5;	94;	92Alp	Cet	;	2.53;	3100;	occ;	99;	0;	32903
20;	5616.2;	15-JUN-2008	18:02:35;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	32903
21;	5938.2;	15-JUN-2008	18:07:57;	Dark	;	48.0;	84;	Alp	Phe	;	2.40;	4500;	occ;	96;	0;	32903
22;	6311.9;	15-JUN-2008	18:14:10;	Dark	;	51.5;	63;	Bet	Gru	;	2.15;	2800;	occ;	103;	0;	32903
23;	6664.1;	15-JUN-2008	18:20:03;	Dark	;	42.0;	45;	Alp	Pav	;	1.94;	26000;	occ;	84;	0;	32903
24;	6965.3;	15-JUN-2008	18:25:04;	Dark	;	39.0;	141;	Bet	Ara	;	2.84;	4600;	occ;	78;	0;	32903
25;	7047.3;	15-JUN-2008	18:26:26;	Dark	;	37.5;	147;	Alp	Ara	;	2.88;	26000;	occ;	75;	0;	32903
26;	7152.7;	15-JUN-2008	18:28:11;	Dark	;	7.0;	40;	The	Sco	;	1.86;	7100;	occ;	14;	0;	32903
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2;	1116.7;	15-JUN-2008	18:28:11;	Dark	;	45.0;	40;	The	Sco	;	1.86;	7100;	occ;	90;	0;	32904
3;	1219.4;	15-JUN-2008	18:29:54;	Dark	;	44.0;	25;	35Lam	Sco	;	1.62;	28000;	occ;	88;	0;	32904
4;	1306.1;	15-JUN-2008	18:31:21;	Dark	;	42.5;	75;	26Eps	Sco	;	2.29;	4250;	occ;	85;	0;	32904
5;	1472.1;	15-JUN-2008	18:34:07;	Bright;	;	36.5;	156;	20Sig	Sco	;	2.90;	28000;	occ;	73;	0;	32904
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7;	1718.5;	15-JUN-2008	18:38:13;	Bright;	;	36.5;	98;	13Zet	Oph	;	2.57;	30000;	occ;	73;	0;	32904
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13;	2961.2;	15-JUN-2008	18:58:56;	Bright;	;	34.5;	119;	14Eta	Dra	;	2.73;	4700;	occ;	69;	0;	32904
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17;	4062.5;	15-JUN-2008	19:17:17;	Bright;	;	53.0;	160;	23Gam	Per	;	2.93;	4700;	occ;	106;	0;	32904
18;	4270.0;	15-JUN-2008	19:20:45;	Bright;	;	40.5;	73;	57Gam1	And	;	2.26;	13100;	occ;	81;	0;	32904
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24;	6312.8;	15-JUN-2008	19:54:47;	Dark	;	52.0;	63;	Bet	Gru	;	2.15;	2800;	occ;	104;	0;	32904
25;	6664.6;	15-JUN-2008	20:00:39;	Dark	;	42.0;	45;	Alp	Pav	;	1.94;	26000;	occ;	84;	0;	32904
26;	6965.5;	15-JUN-2008	20:05:40;	Dark	;	44.5;	141;	Bet	Ara	;	2.84;	4600;	occ;	89;	0;	32904
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3;	279.9;	16-JUN-2008	00:56:38;	Dark	;	47.0;	63;	Bet	Gru	;	2.15;	2800;	occ;	94;	0;	32908
4;	630.5;	16-JUN-2008	01:02:29;	Dark	;	42.0;	45;	Alp	Pav	;	1.94;	26000;	occ;	84;	0;	32908
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 19; 3170.0; 16-JUN-2008 01:44:48; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32908
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 3; 280.9; 16-JUN-2008 02:37:15; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;32909
 4; 631.0; 16-JUN-2008 02:43:05; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;32909
 5; 930.6; 16-JUN-2008 02:48:05; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;32909
 6; 1012.7; 16-JUN-2008 02:49:27; Dark ; 39.0; 147; Alp Ara ; 2.88; 26000;occ; 78; 0;32909
 7; 1118.0; 16-JUN-2008 02:51:12; Dark ; 42.0; 40; The Sco ; 1.86; 7100;occ; 84; 0;32909
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 9; 1307.1; 16-JUN-2008 02:54:21; Dark ; 41.0; 75; 26Eps Sco ; 2.29; 4250;occ; 82; 0;32909
 10; 1472.9; 16-JUN-2008 02:57:07; Bright; 35.5; 156; 20Sig Sco ; 2.90; 28000;occ; 71; 0;32909
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 12; 1719.1; 16-JUN-2008 03:01:13; Bright; 36.5; 98; 13Zet Oph ; 2.57; 30000;occ; 73; 0;32909
 13; 1845.0; 16-JUN-2008 03:03:19; Bright; 35.5; 120; 1Del Oph ; 2.73; 3200;occ; 71; 0;32909
 14; 2276.6; 16-JUN-2008 03:10:31; Bright; 37.0; 127; 27Bet Her ; 2.78; 4700;occ; 74; 0;32909
 15; 2369.7; 16-JUN-2008 03:12:04; Bright; 36.0; 67; 5Alp CrB ; 2.22; 11000;occ; 72; 0;32909
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 17; 2864.7; 16-JUN-2008 03:20:19; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;32909
 18; 2960.5; 16-JUN-2008 03:21:55; Bright; 34.5; 119; 14Eta Dra ; 2.73; 4700;occ; 69; 0;32909
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 7; -417.7; 16-JUN-2008 04:06:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32909
 8; -93.0; 16-JUN-2008 04:11:37; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;32909
 9; 281.7; 16-JUN-2008 04:17:52; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;32910
 10; 631.7; 16-JUN-2008 04:23:42; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;32910
 11; 930.8; 16-JUN-2008 04:28:41; Dark ; 37.5; 141; Bet Ara ; 2.84; 4600;occ; 75; 0;32910
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 16; 1473.2; 16-JUN-2008 04:37:43; Bright; 37.0; 156; 20Sig Sco ; 2.90; 28000;occ; 74; 0;32910
 17; 1615.2; 16-JUN-2008 04:40:05; Bright; 39.0; 86; 35Eta Oph ; 2.43; 10200;occ; 78; 0;32910
 18; 1719.1; 16-JUN-2008 04:41:49; Bright; 35.0; 98; 13Zet Oph ; 2.57; 30000;occ; 70; 0;32910
 19; 1845.2; 16-JUN-2008 04:43:55; Bright; 36.0; 120; 1Del Oph ; 2.73; 3200;occ; 72; 0;32910
 20; 2276.5; 16-JUN-2008 04:51:07; Bright; 37.0; 127; 27Bet Her ; 2.78; 4700;occ; 74; 0;32910
 21; 2369.8; 16-JUN-2008 04:52:40; Bright; 35.0; 67; 5Alp CrB ; 2.22; 11000;occ; 70; 0;32910
 22; 2457.7; 16-JUN-2008 04:54:08; Bright; 36.0; 133; 40Zet Her ; 2.81; 6000;occ; 72; 0;32910
 23; 2864.6; 16-JUN-2008 05:00:55; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;32910
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 25; 3170.1; 16-JUN-2008 05:06:00; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;32910
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9; 282.7; 16-JUN-2008 05:58:29; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;32911
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3; 363.5; 21-JUN-2008 23:28:56; Dark ; 54.5; 63; Bet Gru ; 2.15; 2800;occ; 109; 0;32993
4; 680.0; 21-JUN-2008 23:34:12; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32993
5; 1035.5; 21-JUN-2008 23:40:08; Dark ; 38.0; 147; Alp Ara ; 2.88; 26000;occ; 76; 0;32993
6; 1141.8; 21-JUN-2008 23:41:54; Dark ; 42.0; 40; The Sco ; 1.86; 7100;occ; 84; 0;32993
7; 1243.0; 21-JUN-2008 23:43:35; Dark ; 42.5; 25; 35Lam Sco ; 1.62; 28000;occ; 85; 0;32993
8; 1323.6; 21-JUN-2008 23:44:56; Dark ; 59.0; 116; 19Del Sgr ; 2.70; 4100;occ; 118; 0;32993
9; 1625.4; 21-JUN-2008 23:49:58; Bright; 37.5; 86; 35Eta Oph ; 2.43; 10200;occ; 75; 0;32993
10; 1729.1; 21-JUN-2008 23:51:41; Bright; 36.5; 98; 13Zet Oph ; 2.57; 30000;occ; 73; 0;32993
11; 1991.1; 21-JUN-2008 23:56:03; Bright; 39.5; 126; 60Bet Oph ; 2.77; 4250;occ; 79; 0;32993
12; 2136.0; 21-JUN-2008 23:58:28; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;32993
13; 2274.2; 22-JUN-2008 00:00:46; Bright; 37.5; 127; 27Bet Her ; 2.78; 4700;occ; 75; 0;32993
14; 2448.0; 22-JUN-2008 00:03:40; Bright; 37.5; 133; 40Zet Her ; 2.81; 6000;occ; 75; 0;32993
15; 2836.8; 22-JUN-2008 00:10:09; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;32993
16; 2953.5; 22-JUN-2008 00:12:06; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;32993
17; 3176.7; 22-JUN-2008 00:15:49; Bright; 32.0; 60; 7Bet UMi ; 2.08; 3950;occ; 64; 0;32993
18; 3446.3; 22-JUN-2008 00:20:19; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;32993
19; 3874.1; 22-JUN-2008 00:27:26; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;32993
20; 4065.2; 22-JUN-2008 00:30:37; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;32993
21; 4270.9; 22-JUN-2008 00:34:03; Bright; 43.5; 73; 57Gam1And ; 2.26; 13100;occ; 87; 0;32993
22; 4414.6; 22-JUN-2008 00:36:27; Dark ; 43.0; 173; 4Bet Tri ; 3.00; 8900;occ; 86; 0;32993
23; 4643.1; 22-JUN-2008 00:40:15; Dark ; 55.0; 50; 13Alp Ari ; 2.01; 4250;occ; 110; 0;32993
24; 4932.2; 22-JUN-2008 00:45:04; Dark ; 46.5; 94; 92Alp Cet ; 2.53; 3100;occ; 93; 0;32993
25; 5407.9; 22-JUN-2008 00:53:00; Dark ; 40.0; 0; ; 0.00; 0;occ; 80; 0;32993
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2; 2137.8; 21-JUN-2008 08:53:07; Bright; 40.5; 59; 55Alp Oph ; 2.08; 8900;occ; 81; 0;32984
3; 2274.1; 21-JUN-2008 08:55:23; Bright; 34.0; 127; 27Bet Her ; 2.78; 4700;occ; 68; 0;32984
4; 2448.8; 21-JUN-2008 08:58:18; Bright; 36.5; 133; 40Zet Her ; 2.81; 6000;occ; 73; 0;32984
5; 2839.6; 21-JUN-2008 09:04:49; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;32984
6; 2954.0; 21-JUN-2008 09:06:43; Bright; 35.5; 119; 14Eta Dra ; 2.73; 4700;occ; 71; 0;32984
7; 3176.0; 21-JUN-2008 09:10:25; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32984
8; 3446.3; 21-JUN-2008 09:14:55; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32984
9; 3876.7; 21-JUN-2008 09:22:06; Bright; 39.5; 76; 27Gam Cas ; 2.30; 30000;occ; 79; 0;32984
10; 4065.0; 21-JUN-2008 09:25:14; Bright; 48.0; 160; 23Gam Per ; 2.93; 4700;occ; 96; 0;32984
11; 4271.1; 21-JUN-2008 09:28:40; Bright; 43.0; 73; 57Gam1And ; 2.26; 13100;occ; 86; 0;32984
12; 4413.8; 21-JUN-2008 09:31:03; Dark ; 43.0; 173; 4Bet Tri ; 3.00; 8900;occ; 86; 0;32984
13; 4640.9; 21-JUN-2008 09:34:50; Dark ; 50.5; 50; 13Alp Ari ; 2.01; 4250;occ; 101; 0;32984
14; 4929.5; 21-JUN-2008 09:39:38; Dark ; 45.0; 94; 92Alp Cet ; 2.53; 3100;occ; 90; 0;32984
15; 5648.0; 21-JUN-2008 09:51:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32984
16; 6012.3; 21-JUN-2008 09:57:41; Dark ; 39.0; 9; Alp Eri ; 0.45; 24000;occ; 78; 0;32984
17; 6391.6; 21-JUN-2008 10:04:01; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;32984
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19; 7069.4; 21-JUN-2008 10:15:18; Dark ; 37.5; 147; Alp Ara ; 2.88; 26000;occ; 75; 0;32984
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21; 7277.1; 21-JUN-2008 10:18:46; Dark ; 42.5; 25; 35Lam Sco ; 1.62; 28000;occ; 85; 0;32984
22; 7357.3; 21-JUN-2008 10:20:06; Dark ; 54.0; 116; 19Del Sgr ; 2.70; 4100;occ; 108; 0;32984
23; 7660.4; 21-JUN-2008 10:25:09; Bright; 35.5; 86; 35Eta Oph ; 2.43; 10200;occ; 71; 0;32984
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3; 2137.6; 21-JUN-2008 10:33:42; Bright; 40.5; 59; 55Alp Oph ; 2.08; 8900;occ; 81; 0;32985
4; 2274.1; 21-JUN-2008 10:35:59; Bright; 37.0; 127; 27Bet Her ; 2.78; 4700;occ; 74; 0;32985
5; 2448.7; 21-JUN-2008 10:38:54; Bright; 36.5; 133; 40Zet Her ; 2.81; 6000;occ; 73; 0;32985
6; 2839.2; 21-JUN-2008 10:45:24; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;32985
7; 2953.9; 21-JUN-2008 10:47:19; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;32985
8; 3176.1; 21-JUN-2008 10:51:01; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;32985
9; 3446.2; 21-JUN-2008 10:55:31; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32985
10; 3876.4; 21-JUN-2008 11:02:41; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;32985
11; 4065.0; 21-JUN-2008 11:05:50; Bright; 46.0; 160; 23Gam Per ; 2.93; 4700;occ; 92; 0;32985
12; 4271.0; 21-JUN-2008 11:09:16; Bright; 43.0; 73; 57Gam1And ; 2.26; 13100;occ; 86; 0;32985
13; 4413.9; 21-JUN-2008 11:11:39; Dark ; 43.5; 173; 4Bet Tri ; 3.00; 8900;occ; 87; 0;32985
14; 4641.1; 21-JUN-2008 11:15:26; Dark ; 49.5; 50; 13Alp Ari ; 2.01; 4250;occ; 99; 0;32985
15; 4929.7; 21-JUN-2008 11:20:15; Dark ; 45.5; 94; 92Alp Cet ; 2.53; 3100;occ; 91; 0;32985

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 19; 6711.9; 21-JUN-2008 11:49:57; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32985
 20; 7069.7; 21-JUN-2008 11:55:55; Dark ; 37.5; 147; Alp Ara ; 2.88; 26000;occ; 75; 0;32985
 21; 7175.9; 21-JUN-2008 11:57:41; Dark ; 41.0; 40; The Sco ; 1.86; 7100;occ; 82; 0;32985
 22; 7277.3; 21-JUN-2008 11:59:22; Dark ; 43.0; 25; 35Lam Sco ; 1.62; 28000;occ; 86; 0;32985
 23; 7357.6; 21-JUN-2008 12:00:42; Dark ; 52.5; 116; 19Del Sgr ; 2.70; 4100;occ; 105; 0;32985
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 4; 2137.4; 21-JUN-2008 12:14:18; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;32986
 5; 2274.1; 21-JUN-2008 12:16:35; Bright; 36.5; 127; 27Bet Her ; 2.78; 4700;occ; 73; 0;32986
 6; 2448.6; 21-JUN-2008 12:19:29; Bright; 38.0; 133; 40Zet Her ; 2.81; 6000;occ; 76; 0;32986
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 8; 2953.9; 21-JUN-2008 12:27:55; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;32986
 9; 3176.1; 21-JUN-2008 12:31:37; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;32986
 10; 3446.4; 21-JUN-2008 12:36:07; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32986
 11; 3876.0; 21-JUN-2008 12:43:17; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;32986
 12; 4065.1; 21-JUN-2008 12:46:26; Bright; 53.0; 160; 23Gam Per ; 2.93; 4700;occ; 106; 0;32986
 13; 4271.0; 21-JUN-2008 12:49:52; Bright; 43.0; 73; 57Gam1And ; 2.26; 13100;occ; 86; 0;32986
 14; 4413.9; 21-JUN-2008 12:52:15; Dark ; 45.0; 173; 4Bet Tri ; 3.00; 8900;occ; 90; 0;32986
 15; 4641.4; 21-JUN-2008 12:56:02; Dark ; 52.0; 50; 13Alp Ari ; 2.01; 4250;occ; 104; 0;32986
 16; 4930.0; 21-JUN-2008 13:00:51; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;32986
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 18; 6013.1; 21-JUN-2008 13:18:54; Dark ; 37.0; 9; Alp Eri ; 0.45; 24000;occ; 74; 0;32986
 19; 6393.5; 21-JUN-2008 13:25:14; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;32986
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 21; 7069.9; 21-JUN-2008 13:36:31; Dark ; 37.5; 147; Alp Ara ; 2.88; 26000;occ; 75; 0;32986
 22; 7176.3; 21-JUN-2008 13:38:17; Dark ; 40.0; 40; The Sco ; 1.86; 7100;occ; 80; 0;32986
 23; 7277.5; 21-JUN-2008 13:39:58; Dark ; 41.5; 25; 35Lam Sco ; 1.62; 28000;occ; 83; 0;32986
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 2; 1728.4; 21-JUN-2008 13:48:05; Bright; 35.0; 98; 13Zet Oph ; 2.57; 30000;occ; 70; 0;32987
 3; 1991.9; 21-JUN-2008 13:52:28; Bright; 39.5; 126; 60Bet Oph ; 2.77; 4250;occ; 79; 0;32987
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 5; 2274.2; 21-JUN-2008 13:57:11; Bright; 37.5; 127; 27Bet Her ; 2.78; 4700;occ; 75; 0;32987
 6; 2448.5; 21-JUN-2008 14:00:05; Bright; 37.0; 133; 40Zet Her ; 2.81; 6000;occ; 74; 0;32987
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 8; 2953.9; 21-JUN-2008 14:08:30; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;32987
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 11; 3875.9; 21-JUN-2008 14:23:53; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;32987
 12; 4065.3; 21-JUN-2008 14:27:02; Bright; 34.0; 160; 23Gam Per ; 2.93; 4700;occ; 68; 0;32987
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 23; 7277.9; 21-JUN-2008 15:20:34; Dark ; 43.5; 25; 35Lam Sco ; 1.62; 28000;occ; 87; 0;32987
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 3; 1728.6; 21-JUN-2008 15:28:41; Bright; 36.0; 98; 13Zet Oph ; 2.57; 30000;occ; 72; 0;32988
 4; 1991.7; 21-JUN-2008 15:33:04; Bright; 39.5; 126; 60Bet Oph ; 2.77; 4250;occ; 79; 0;32988
 5; 2137.1; 21-JUN-2008 15:35:30; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;32988
 6; 2274.3; 21-JUN-2008 15:37:47; Bright; 37.0; 127; 27Bet Her ; 2.78; 4700;occ; 74; 0;32988
 7; 2448.5; 21-JUN-2008 15:40:41; Bright; 36.5; 133; 40Zet Her ; 2.81; 6000;occ; 73; 0;32988
 8; 2838.5; 21-JUN-2008 15:47:11; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;32988

9; 2953.9; 21-JUN-2008 15:49:06; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;32988
 10; 3176.4; 21-JUN-2008 15:52:49; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;32988
 11; 3446.4; 21-JUN-2008 15:57:19; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;32988
 12; 3875.7; 21-JUN-2008 16:04:28; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;32988
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 23; 7176.8; 21-JUN-2008 16:59:29; Dark ; 42.0; 40; The Sco ; 1.86; 7100;occ; 84; 0;32988
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 5; 1991.7; 21-JUN-2008 17:13:40; Bright; 59.0; 126; 60Bet Oph ; 2.77; 4250;occ; 118; 0;32989
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 7; 2274.3; 21-JUN-2008 17:18:23; Bright; 36.0; 127; 27Bet Her ; 2.78; 4700;occ; 72; 0;32989
 8; 2448.4; 21-JUN-2008 17:21:17; Bright; 36.0; 133; 40Zet Her ; 2.81; 6000;occ; 72; 0;32989
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 10; 2953.8; 21-JUN-2008 17:29:42; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;32989
 11; 3176.5; 21-JUN-2008 17:33:25; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32989
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16; 3179.5; 23-JUN-2008 23:12:38; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;33021
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9; 382.4; 23-JUN-2008 07:20:37; Dark ; 54.5; 63; Bet Gru ; 2.15; 2800;occ; 109; 0;33012
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13; 1329.0; 23-JUN-2008 07:36:24; Dark ; 56.5; 116; 19Del Sgr ; 2.70; 4100;occ; 113; 0;33012
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3; 2132.9; 23-JUN-2008 07:49:48; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;33012
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5; 2447.1; 23-JUN-2008 07:55:02; Bright; 37.5; 133; 40Zet Her ; 2.81; 6000;occ; 75; 0;33012
6; 2831.7; 23-JUN-2008 08:01:27; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;33012
7; 2952.7; 23-JUN-2008 08:03:28; Bright; 35.5; 119; 14Eta Dra ; 2.73; 4700;occ; 71; 0;33012
8; 3178.6; 23-JUN-2008 08:07:14; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;33012
9; 3446.2; 23-JUN-2008 08:11:41; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;33012
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15; 4938.3; 23-JUN-2008 08:36:33; Dark ; 36.5; 94; 92Alp Cet ; 2.53; 3100;occ; 73; 0;33012
16; 5420.6; 23-JUN-2008 08:44:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33012
17; 6024.0; 23-JUN-2008 08:54:39; Dark ; 38.5; 9; Alp Eri ; 0.45; 24000;occ; 77; 0;33012
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23; 7664.1; 23-JUN-2008 09:21:59; Bright; 36.5; 86; 35Eta Oph ; 2.43; 10200;occ; 73; 0;33012
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3; 2132.7; 23-JUN-2008 09:30:24; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;33013
4; 2274.8; 23-JUN-2008 09:32:46; Bright; 35.5; 127; 27Bet Her ; 2.78; 4700;occ; 71; 0;33013
5; 2447.0; 23-JUN-2008 09:35:38; Bright; 36.5; 133; 40Zet Her ; 2.81; 6000;occ; 73; 0;33013
6; 2831.5; 23-JUN-2008 09:42:02; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;33013
7; 2952.6; 23-JUN-2008 09:44:03; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;33013
8; 3178.8; 23-JUN-2008 09:47:50; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;33013
9; 3446.2; 23-JUN-2008 09:52:17; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;33013
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13; 4416.4; 23-JUN-2008 10:08:27; Dark ; 44.5; 173; 4Bet Tri ; 3.00; 8900;occ; 89; 0;33013
14; 4648.4; 23-JUN-2008 10:12:19; Dark ; 52.0; 50; 13Alp Ari ; 2.01; 4250;occ; 104; 0;33013
15; 4938.5; 23-JUN-2008 10:17:09; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 0;33013
16; 5421.2; 23-JUN-2008 10:25:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33013
17; 6024.4; 23-JUN-2008 10:35:15; Dark ; 44.0; 9; Alp Eri ; 0.45; 24000;occ; 88; 0;33013
18; 6420.2; 23-JUN-2008 10:41:51; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;33013
19; 6727.5; 23-JUN-2008 10:46:58; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;33013
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21; 7284.1; 23-JUN-2008 10:56:15; Dark ; 43.5; 25; 35Lam Sco ; 1.62; 28000;occ; 87; 0;33013
22; 7365.5; 23-JUN-2008 10:57:36; Dark ; 46.5; 116; 19Del Sgr ; 2.70; 4100;occ; 93; 0;33013
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4; 695.9; 24-JUN-2008 00:11:50; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;33022
5; 1149.2; 24-JUN-2008 00:19:23; Dark ; 42.0; 40; The Sco ; 1.86; 7100;occ; 84; 0;33022
6; 1250.1; 24-JUN-2008 00:21:04; Dark ; 43.5; 25; 35Lam Sco ; 1.62; 28000;occ; 87; 0;33022
7; 1331.6; 24-JUN-2008 00:22:26; Dark ; 53.5; 116; 19Del Sgr ; 2.70; 4100;occ; 107; 0;33022
8; 1629.2; 24-JUN-2008 00:27:23; Bright; 37.5; 86; 35Eta Oph ; 2.43; 10200;occ; 75; 0;33022

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12; 2274.9; 24-JUN-2008 00:38:09; Bright; 37.0; 127; 27Bet Her ; 2.78; 4700;occ; 74; 0;33022
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15; 2952.2; 24-JUN-2008 00:49:26; Bright; 32.5; 119; 14Eta Dra ; 2.73; 4700;occ; 65; 0;33022
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4; 2132.5; 23-JUN-2008 11:10:59; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;33014
5; 2274.8; 23-JUN-2008 11:13:21; Bright; 38.0; 127; 27Bet Her ; 2.78; 4700;occ; 76; 0;33014
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9; 3178.8; 23-JUN-2008 11:28:26; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;33014
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16; 5423.3; 23-JUN-2008 15:27:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33016
17; 6025.7; 23-JUN-2008 15:37:04; Dark ; 40.0; 9; Alp Eri ; 0.45; 24000;occ; 80; 0;33016
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21; 7285.0; 23-JUN-2008 15:58:03; Dark ; 39.0; 25; 35Lam Sco ; 1.62; 28000;occ; 78; 0;33016
22; 7366.4; 23-JUN-2008 15:59:25; Dark ; 37.0; 116; 19Del Sgr ; 2.70; 4100;occ; 74; 0;33016

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4; 1628.7; 23-JUN-2008 17:44:59; Bright; 37.0; 86; 35Eta Oph ; 2.43; 10200;occ; 74; 0;33018
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8; 2274.9; 23-JUN-2008 17:55:45; Bright; 51.0; 127; 27Bet Her ; 2.78; 4700;occ; 102; 0;33018
9; 2446.8; 23-JUN-2008 17:58:37; Bright; 37.5; 133; 40Zet Her ; 2.81; 6000;occ; 75; 0;33018
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11; 2952.4; 23-JUN-2008 18:07:03; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;33018
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18; 4940.3; 23-JUN-2008 18:40:11; Dark ; 46.0; 94; 92Alp Cet ; 2.53; 3100;occ; 92; 0;33018
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3; 1330.9; 23-JUN-2008 19:20:37; Dark ; 49.5; 116; 19Del Sgr ; 2.70; 4100;occ; 99; 0;33019
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6; 1987.9; 23-JUN-2008 19:31:34; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;33019
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21; 6426.1; 23-JUN-2008 20:45:33; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;33019
22; 6730.6; 23-JUN-2008 20:50:37; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;33019

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6; 1250.3; 24-JUN-2008 02:01:40; Dark ; 41.0; 25; 35Lam Sco ; 1.62; 28000;occ; 82; 0;33023
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16; 2131.1; 24-JUN-2008 03:56:57; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;33024
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5; 1152.7; 24-JUN-2008 23:47:50; Dark ; 43.0; 40; The Sco ; 1.86; 7100;occ; 86; 0;33036
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 6; 2952.2; 24-JUN-2008 07:31:50; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;33026
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12; 4652.1; 24-JUN-2008 08:00:10; Dark ; 41.0; 50; 13Alp Ari ; 2.01; 4250;occ; 82; 0;33026
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 5; 2827.9; 24-JUN-2008 09:10:22; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;33027
 6; 2952.3; 24-JUN-2008 09:12:26; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;33027
 7; 3180.3; 24-JUN-2008 09:16:14; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;33027
 8; 3446.2; 24-JUN-2008 09:20:40; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;33027
 9; 3901.1; 24-JUN-2008 09:28:15; Bright; 39.5; 110; 37Del Cas ; 2.68; 8900;occ; 79; 0;33027
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11; 4289.4; 24-JUN-2008 09:34:43; Bright; 37.5; 79; 26Bet Per ; 2.31; 13100;occ; 75; 0;33027
12; 4652.2; 24-JUN-2008 09:40:46; Dark ; 41.0; 50; 13Alp Ari ; 2.01; 4250;occ; 82; 0;33027
13; 4943.4; 24-JUN-2008 09:45:37; Dark ; 46.0; 94; 92Alp Cet ; 2.53; 3100;occ; 92; 0;33027
14; 5430.9; 24-JUN-2008 09:53:45; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;33027
15; 6434.1; 24-JUN-2008 10:10:28; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;33027
16; 6735.1; 24-JUN-2008 10:15:29; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;33027
17; 7186.7; 24-JUN-2008 10:23:01; Dark ; 41.0; 40; The Sco ; 1.86; 7100;occ; 82; 0;33027
18; 7287.5; 24-JUN-2008 10:24:41; Dark ; 43.5; 25; 35Lam Sco ; 1.62; 28000;occ; 87; 0;33027
19; 7369.3; 24-JUN-2008 10:26:03; Dark ; 52.5; 116; 19Del Sgr ; 2.70; 4100;occ; 105; 0;33027
20; 7444.1; 24-JUN-2008 10:27:18; Bright; 44.5; 137; 22Lam Sgr ; 2.82; 4400;occ; 89; 0;33027
21; 7666.0; 24-JUN-2008 10:31:00; Bright; 36.5; 86; 35Eta Oph ; 2.43; 10200;occ; 73; 0;33027

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3;	2275.3;	24-JUN-2008	10:41:45;	Bright;	36.5;	127;	27Bet	Her	;	2.78;	4700;	occ;	73;	0;	33028	
4;	2446.5;	24-JUN-2008	10:44:36;	Bright;	35.0;	133;	40Zet	Her	;	2.81;	6000;	occ;	70;	0;	33028	
5;	2827.6;	24-JUN-2008	10:50:57;	Bright;	39.5;	130;	23Bet	Dra	;	2.80;	5800;	occ;	79;	0;	33028	
6;	2952.1;	24-JUN-2008	10:53:02;	Bright;	36.5;	119;	14Eta	Dra	;	2.73;	4700;	occ;	73;	0;	33028	
7;	3180.3;	24-JUN-2008	10:56:50;	Bright;	34.0;	60;	7Bet	UMi	;	2.08;	3950;	occ;	68;	0;	33028	
8;	3446.1;	24-JUN-2008	11:01:16;	Bright;	36.0;	49;	1Alp	UMi	;	1.99;	6300;	occ;	72;	0;	33028	
9;	3900.8;	24-JUN-2008	11:08:51;	Bright;	39.5;	110;	37Del	Cas	;	2.68;	8900;	occ;	79;	0;	33028	
10;	4065.3;	24-JUN-2008	11:11:35;	Bright;	36.5;	160;	23Gam	Per	;	2.93;	4700;	occ;	73;	0;	33028	
11;	4289.4;	24-JUN-2008	11:15:19;	Bright;	35.5;	79;	26Bet	Per	;	2.31;	13100;	occ;	71;	0;	33028	
12;	4652.5;	24-JUN-2008	11:21:22;	Dark	;	30.0;	50;	13Alp	Ari	;	2.01;	4250;	occ;	60;	0;	33028
13;	4943.6;	24-JUN-2008	11:26:13;	Dark	;	46.5;	94;	92Alp	Cet	;	2.53;	3100;	occ;	93;	0;	33028
14;	5431.6;	24-JUN-2008	11:34:21;	Dark	;	59.5;	0;	;	;	0.00;	0;	occ;	119;	0;	33028	
15;	6030.8;	24-JUN-2008	11:44:21;	Dark	;	42.0;	9;	Alp	Eri	;	0.45;	24000;	occ;	84;	0;	33028
16;	6435.1;	24-JUN-2008	11:51:05;	Dark	;	49.0;	63;	Bet	Gru	;	2.15;	2800;	occ;	98;	0;	33028
17;	6735.6;	24-JUN-2008	11:56:05;	Dark	;	40.0;	45;	Alp	Pav	;	1.94;	26000;	occ;	80;	0;	33028
18;	7187.0;	24-JUN-2008	12:03:37;	Dark	;	41.5;	40;	The	Sco	;	1.86;	7100;	occ;	83;	0;	33028
19;	7287.8;	24-JUN-2008	12:05:18;	Dark	;	41.0;	25;	35Lam	Sco	;	1.62;	28000;	occ;	82;	0;	33028
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21;	7444.3;	24-JUN-2008	12:07:54;	Bright;	43.5;	137;	22Lam	Sgr	;	2.82;	4400;	occ;	87;	0;	33028	
22;	7666.2;	24-JUN-2008	12:11:36;	Bright;	36.5;	86;	35Eta	Oph	;	2.43;	10200;	occ;	73;	0;	33028	

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2;	1987.1;	24-JUN-2008	12:17:33;	Bright;	38.5;	126;	60Bet	Oph	;	2.77;	4250;	occ;	77;	0;	33029	
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4;	2275.4;	24-JUN-2008	12:22:21;	Bright;	37.0;	127;	27Bet	Her	;	2.78;	4700;	occ;	74;	0;	33029	
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6;	2827.3;	24-JUN-2008	12:31:33;	Bright;	38.0;	130;	23Bet	Dra	;	2.80;	5800;	occ;	76;	0;	33029	
7;	2952.0;	24-JUN-2008	12:33:38;	Bright;	36.0;	119;	14Eta	Dra	;	2.73;	4700;	occ;	72;	0;	33029	
8;	3180.5;	24-JUN-2008	12:37:26;	Bright;	36.5;	60;	7Bet	UMi	;	2.08;	3950;	occ;	73;	0;	33029	
9;	3446.2;	24-JUN-2008	12:41:52;	Bright;	36.0;	49;	1Alp	UMi	;	1.99;	6300;	occ;	72;	0;	33029	
10;	3900.5;	24-JUN-2008	12:49:26;	Bright;	40.0;	110;	37Del	Cas	;	2.68;	8900;	occ;	80;	0;	33029	
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12;	4289.6;	24-JUN-2008	12:55:55;	Bright;	36.0;	79;	26Bet	Per	;	2.31;	13100;	occ;	72;	0;	33029	
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15;	5432.3;	24-JUN-2008	13:14:58;	Dark	;	59.5;	0;	;	;	0.00;	0;	occ;	119;	0;	33029	
16;	6031.3;	24-JUN-2008	13:24:57;	Dark	;	48.0;	9;	Alp	Eri	;	0.45;	24000;	occ;	96;	0;	33029
17;	6436.1;	24-JUN-2008	13:31:42;	Dark	;	48.0;	63;	Bet	Gru	;	2.15;	2800;	occ;	96;	0;	33029
18;	6736.2;	24-JUN-2008	13:36:42;	Dark	;	42.5;	45;	Alp	Pav	;	1.94;	26000;	occ;	85;	0;	33029
19;	7187.3;	24-JUN-2008	13:44:13;	Dark	;	42.5;	40;	The	Sco	;	1.86;	7100;	occ;	85;	0;	33029
20;	7288.0;	24-JUN-2008	13:45:54;	Dark	;	40.0;	25;	35Lam	Sco	;	1.62;	28000;	occ;	80;	0;	33029
21;	7369.8;	24-JUN-2008	13:47:15;	Dark	;	46.0;	116;	19Del	Sgr	;	2.70;	4100;	occ;	92;	0;	33029
22;	7444.7;	24-JUN-2008	13:48:30;	Bright;	43.0;	137;	22Lam	Sgr	;	2.82;	4400;	occ;	86;	0;	33029	

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2;	1987.0;	24-JUN-2008	13:58:08;	Bright;	38.5;	126;	60Bet	Oph	;	2.77;	4250;	occ;	77;	0;	33030	
3;	2130.2;	24-JUN-2008	14:00:32;	Bright;	39.5;	59;	55Alp	Oph	;	2.08;	8900;	occ;	79;	0;	33030	
4;	2275.6;	24-JUN-2008	14:02:57;	Bright;	35.5;	127;	27Bet	Her	;	2.78;	4700;	occ;	71;	0;	33030	
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7;	2952.2;	24-JUN-2008	14:14:14;	Bright;	37.0;	119;	14Eta	Dra	;	2.73;	4700;	occ;	74;	0;	33030	
8;	3180.7;	24-JUN-2008	14:18:02;	Bright;	33.5;	60;	7Bet	UMi	;	2.08;	3950;	occ;	67;	0;	33030	
9;	3446.2;	24-JUN-2008	14:22:28;	Bright;	32.5;	49;	1Alp	UMi	;	1.99;	6300;	occ;	65;	0;	33030	
10;	3900.5;	24-JUN-2008	14:30:02;	Bright;	42.0;	110;	37Del	Cas	;	2.68;	8900;	occ;	84;	0;	33030	
11;	4065.4;	24-JUN-2008	14:32:47;	Bright;	42.5;	160;	23Gam	Per	;	2.93;	4700;	occ;	85;	0;	33030	
12;	4289.5;	24-JUN-2008	14:36:31;	Bright;	34.5;	79;	26Bet	Per	;	2.31;	13100;	occ;	69;	0;	33030	
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16;	6437.2;	24-JUN-2008	15:12:19;	Dark	;	48.0;	63;	Bet	Gru	;	2.15;	2800;	occ;	96;	0;	33030
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19; 4270.0; 26-JUN-2008 00:08:10; Bright; 43.0; 73; 57Gam1And ; 2.26; 13100;occ; 86; 0;33050
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 16; 5698.2; 28-JUN-2008 12:53:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33086
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 7; 2280.4; 28-JUN-2008 16:58:22; Bright; 35.0; 127; 27Bet Her ; 2.78; 4700;occ; 70; 0;33089
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