

GOMOS Daily Report 17-MAY-2008

Level 0 and Level 1 products

SUMMARY

[1. General Info](#)

[2. Summary of products arrived in PCF \(Product Control Facility\)](#)

[2.1 Level 0: products arrived in PCF during current month \(see template here\)](#)

[2.2 Level 0: plot of mission plan versus production during reporting period](#)

[2.3 Level 0: summary of missing occultations with respect to the plan](#)

[2.4 Level 1: products arrived in PCF during reporting period](#)

[3. Plot of Spectrometers and Photometers temperatures](#)

[4. Dark Charge monitoring](#)

[4.1 Products that did not use the Dark Sky Area observation for DC computation](#)

[4.2 Plot of Dark Charge](#)

[5. Demodulation correction and quality product information monitoring](#)

[5.1 Percentage of products with some flags set](#)

[5.2 Plot of quality information per product \(time dependant\)](#)

[5.3 Plot of quality information per product \(world map\)](#)

[6. Star tangent altitude lost](#)

[6.1 Statistics on star tangent altitude lost](#)

[6.2 Plot of star tangent altitude lost: DARK products](#)

[6.3 Plot of star tangent altitude lost: BRIGHT products](#)

[6.3 Plot of star tangent altitude lost: TWILIGHT products](#)

[7. Star Acquisition and Tracking Unit \(SATU\)](#)

[7.1 SATU plots \(dark limb\): 'X' and 'Y' axis](#)

[7.2 SATU Noise Equivalent Angle statistics](#)

[7.2.1 SATU NEA Statistics \(table\)](#)

[7.2.2 Daily SATU NEA STD \(dark limb\) - trend since 1st April 2006](#)

[8. Auxiliary Data Files used for the production reported in section 2.4](#)

[Level 2 products](#)

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	19MAY2008 08:16:29
Data source version	GOMOS/5.00
Start time of products	17-05-2008 (17MAY2008 00:00:00)
Stop time of products	18-05-2008 (18MAY2008 00:00:00)
Store outputs in DB	Yes
Nb of level 1b prods	50
Nb of prods with errors	0

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

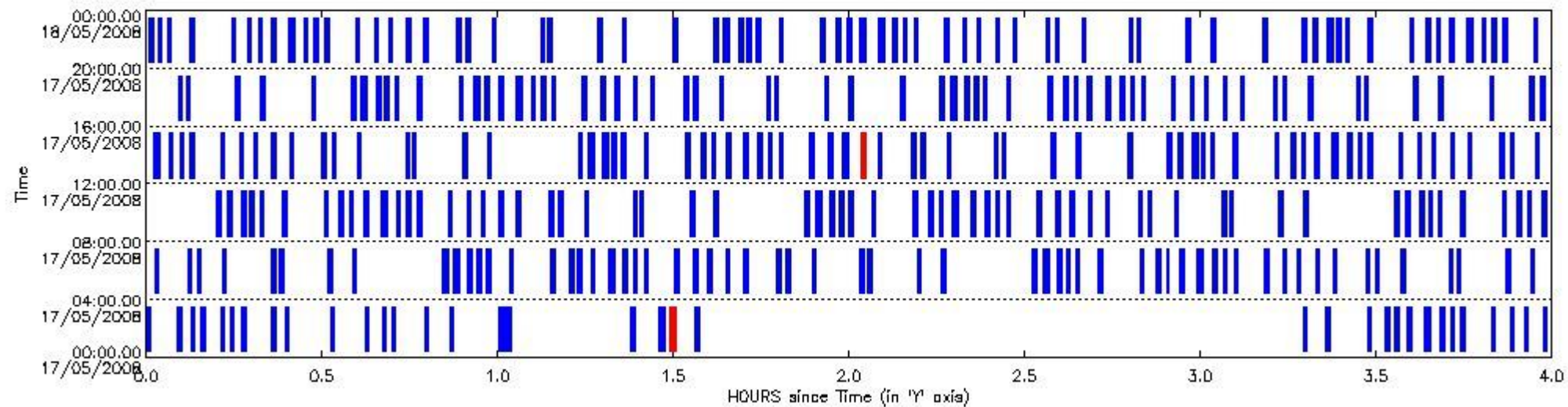
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

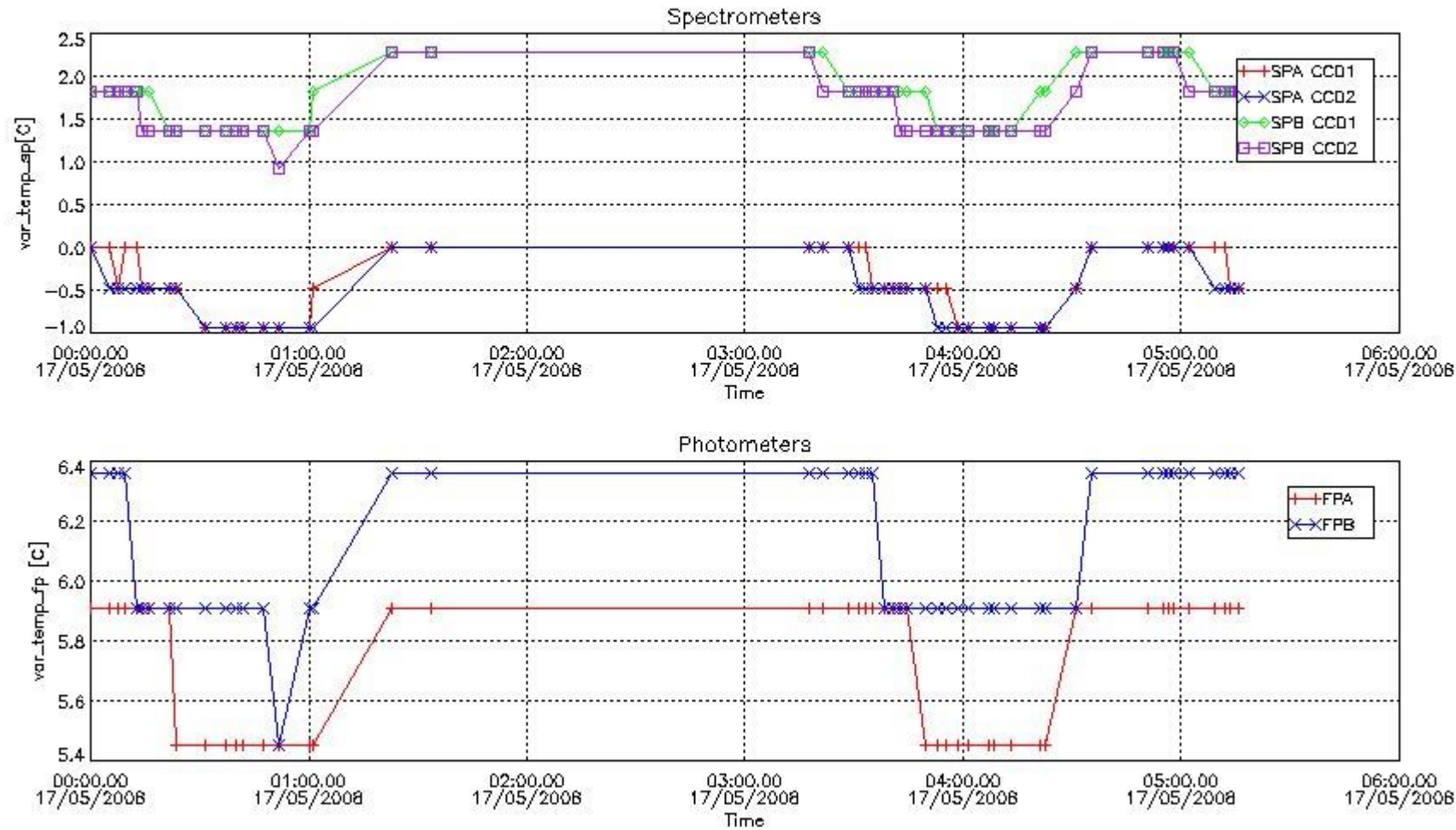
UTC start time	Star name	Star ID	Orbit
17-MAY-2008 01:29:29	AlpPhe	84	32478
17-MAY-2008 14:02:00	27GamBoo	180	32486

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_1PNPDE20080517_000008_000000412068_00360_32478_4449.N1	17-MAY-2008 00:00:08	Dark	40.500	45	Alp Pav	1.9400	26000.	81	32478	No
2	GOM_TRA_1PNPDE20080517_000521_000000382068_00360_32478_4450.N1	17-MAY-2008 00:05:21	Straylight	38.000	43	Alp TrA	1.9100	4250.0	76	32478	No
3	GOM_TRA_1PNPDE20080517_000731_000000382068_00360_32478_4451.N1	17-MAY-2008 00:07:31	Straylight	37.500	134	Bet TrA	2.8100	6600.0	75	32478	No
4	GOM_TRA_1PNPDE20080517_000911_000000482068_00360_32478_4452.N1	17-MAY-2008 00:09:11	Straylight	47.500	4	Alp1Cen	-0.010000	5800.0	95	32478	No
5	GOM_TRA_1PNPDE20080517_001247_000000382068_00360_32478_4453.N1	17-MAY-2008 00:12:47	Straylight	37.500	78	Alp Lup	2.3040	28000.	75	32478	No
6	GOM_TRA_1PNPDE20080517_001417_000000382068_00360_32478_4454.N1	17-MAY-2008 00:14:17	Twilight_stray	37.500	81	Eta Cen	2.3560	28000.	75	32478	No
7	GOM_TRA_1PNPDE20080517_001612_000000432068_00360_32478_4455.N1	17-MAY-2008 00:16:12	Twilight_stray	43.000	54	5The Cen	2.0550	4500.0	86	32478	No
8	GOM_TRA_1PNPDE20080517_002127_000000382068_00360_32478_4456.N1	17-MAY-2008 00:21:27	Bright	38.000	122	9Alp2Lib	2.7470	9700.0	76	32478	No
9	GOM_TRA_1PNPDE20080517_002337_000000372068_00360_32478_4457.N1	17-MAY-2008 00:23:37	Bright	37.000	15	67Alp Vir	0.97600	28000.	74	32478	No

10	GOM_TRA_1PNPDE20080517_003132_000000342068_00360_32478_4458.N1	17-MAY-2008 00:31:32	Bright	34.000	111	8Eta Boo	2.6800	6000.0	68	32478	No
11	GOM_TRA_1PNPDE20080517_003716_000000362068_00360_32478_4459.N1	17-MAY-2008 00:37:16	Bright	36.000	180	27Gam Boo	3.0400	8000.0	72	32478	No
12	GOM_TRA_1PNPDE20080517_004013_000000362068_00360_32478_4460.N1	17-MAY-2008 00:40:13	Bright	35.500	39	85Eta UMa	1.8540	24000.	71	32478	No
13	GOM_TRA_1PNPDE20080517_004151_000000362068_00360_32478_4461.N1	17-MAY-2008 00:41:51	Bright	35.500	55	79Zet UMa	2.0600	10200.	71	32478	No
14	GOM_TRA_1PNPDE20080517_004729_000000382068_00360_32478_4462.N1	17-MAY-2008 00:47:29	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	32478	No
15	GOM_TRA_1PNPDE20080517_005154_000000362068_00360_32478_4463.N1	17-MAY-2008 00:51:54	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	32478	No
16	GOM_TRA_1PNPDE20080517_010006_000000532068_00360_32478_4464.N1	17-MAY-2008 01:00:06	Bright	53.000	76	27Gam Cas	2.3000	30000.	106	32478	No
17	GOM_TRA_1PNPDE20080517_010120_000000542068_00360_32478_4465.N1	17-MAY-2008 01:01:20	Bright	53.500	68	18Alp Cas	2.2250	4500.0	107	32478	No
18	GOM_TRA_1PNPDE20080517_012242_000000432068_00360_32478_4582.N1	17-MAY-2008 01:22:42	Dark	42.500	52	16Bet Cet	2.0370	4500.0	85	32478	No
19	GOM_TRA_1PNPDE20080517_013342_000000452068_00360_32478_4583.N1	17-MAY-2008 01:33:42	Dark	44.500	63	Bet Gru	2.1500	2800.0	89	32478	No
20	GOM_TRA_1PNPDE20080517_031730_000000382068_00362_32480_4731.N1	17-MAY-2008 03:17:30	Dark	38.000	148	Alp Tuc	2.8780	4100.0	76	32480	No
21	GOM_TRA_1PNPDE20080517_032122_000000422068_00362_32480_4732.N1	17-MAY-2008 03:21:22	Dark	42.000	45	Alp Pav	1.9400	26000.	84	32480	No
22	GOM_TRA_1PNPDE20080517_032829_000000422068_00362_32480_4733.N1	17-MAY-2008 03:28:29	Straylight	42.000	141	Bet Ara	2.8400	4600.0	84	32480	No
23	GOM_TRA_1PNPDE20080517_033129_000000502068_00362_32480_4734.N1	17-MAY-2008 03:31:29	Straylight	49.500	178	lot1Sco	3.0220	6550.0	99	32480	No
24	GOM_TRA_1PNPDE20080517_033300_000000492068_00362_32480_4735.N1	17-MAY-2008 03:33:00	Straylight	49.000	115	34Ups Sco	2.6960	26000.	98	32480	No
25	GOM_TRA_1PNPDE20080517_033514_000000532068_00362_32480_4736.N1	17-MAY-2008 03:35:14	Twi_and_stray	53.000	75	26Eps Sco	2.2910	4250.0	106	32480	No
26	GOM_TRA_1PNPDE20080517_033817_000000562068_00362_32480_4737.N1	17-MAY-2008 03:38:17	Twi_and_stray	55.500	16	21Alp Sco	1.0200	3000.0	111	32480	No
27	GOM_TRA_1PNPDE20080517_034051_000000572068_00362_32480_4738.N1	17-MAY-2008 03:40:51	Bright	56.500	97	8Bet1Sco	2.5610	30000.	113	32480	No
28	GOM_TRA_1PNPDE20080517_034239_000000372068_00362_32480_4739.N1	17-MAY-2008 03:42:39	Bright	37.000	122	9Alp2Lib	2.7470	9700.0	74	32480	No
29	GOM_TRA_1PNPDE20080517_034429_000000402068_00362_32480_4740.N1	17-MAY-2008 03:44:29	Bright	39.500	104	27Bet Lib	2.6140	13100.	79	32480	No
30	GOM_TRA_1PNPDE20080517_034942_000000432068_00362_32480_4741.N1	17-MAY-2008 03:49:42	Bright	42.500	102	24Alp Ser	2.6000	4250.0	85	32480	No
31	GOM_TRA_1PNPDE20080517_035254_000000362068_00362_32480_4742.N1	17-MAY-2008 03:52:54	Bright	36.000	3	16Alp Boo	-0.050000	4250.0	72	32480	No
32	GOM_TRA_1PNPDE20080517_035519_000000382068_00362_32480_4743.N1	17-MAY-2008 03:55:19	Bright	38.000	83		2.3780	11000.	76	32480	No
33	GOM_TRA_1PNPDE20080517_035828_000000372068_00362_32480_4744.N1	17-MAY-2008 03:58:28	Bright	36.500	180	27Gam Boo	3.0400	8000.0	73	32480	No
34	GOM_TRA_1PNPDE20080517_040125_000000362068_00362_32480_4745.N1	17-MAY-2008 04:01:25	Bright	35.500	39	85Eta UMa	1.8540	24000.	71	32480	No
35	GOM_TRA_1PNPDE20080517_040703_000000402068_00362_32480_4746.N1	17-MAY-2008 04:07:03	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	32480	No
36	GOM_TRA_1PNPDE20080517_040841_000000382068_00362_32480_4747.N1	17-MAY-2008 04:08:41	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	32480	No
37	GOM_TRA_1PNPDE20080517_041306_000000352068_00362_32480_4748.N1	17-MAY-2008 04:13:06	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	32480	No
38	GOM_TRA_1PNPDE20080517_042118_000000532068_00362_32480_4916.N1	17-MAY-2008 04:21:18	Bright	53.000	76	27Gam Cas	2.3000	30000.	106	32480	No
39	GOM_TRA_1PNPDE20080517_042231_000000542068_00362_32480_4917.N1	17-MAY-2008 04:22:31	Bright	54.000	68	18Alp Cas	2.2250	4500.0	108	32480	No
40	GOM_TRA_1PNPDE20080517_043058_000000422068_00362_32480_4918.N1	17-MAY-2008 04:30:58	Twi_and_stray	42.000	58	21Alp And	2.0730	11000.	84	32480	No
41	GOM_TRA_1PNPDE20080517_043510_000000442068_00362_32480_4919.N1	17-MAY-2008 04:35:10	Dark	44.000	140	88Gam Peg	2.8340	26000.	88	32480	No
42	GOM_TRA_1PNPDE20080517_045038_000000512068_00362_32480_4920.N1	17-MAY-2008 04:50:38	Dark	50.500	18	24Alp PsA	1.1660	9700.0	101	32480	No
43	GOM_TRA_1PNPDE20080517_045455_000000482068_00362_32480_4921.N1	17-MAY-2008 04:54:55	Dark	47.500	63	Bet Gru	2.1500	2800.0	95	32480	No
44	GOM_TRA_1PNPDE20080517_045626_000000432068_00363_32481_4922.N1	17-MAY-2008 04:56:26	Dark	43.000	31	Alp Gru	1.7340	15200.	86	32481	No
45	GOM_TRA_1PNPDE20080517_045806_000000402068_00363_32481_4923.N1	17-MAY-2008 04:58:06	Dark	39.500	148	Alp Tuc	2.8780	4100.0	79	32481	No
46	GOM_TRA_1PNPDE20080517_050158_000000412068_00363_32481_4924.N1	17-MAY-2008 05:01:58	Dark	40.500	45	Alp Pav	1.9400	26000.	81	32481	No
47	GOM_TRA_1PNPDE20080517_050906_000000422068_00363_32481_4925.N1	17-MAY-2008 05:09:06	Straylight	42.000	141	Bet Ara	2.8400	4600.0	84	32481	No
48	GOM_TRA_1PNPDE20080517_051206_000000502068_00363_32481_4926.N1	17-MAY-2008 05:12:06	Straylight	49.500	178	lot1Sco	3.0220	6550.0	99	32481	No
49	GOM_TRA_1PNPDE20080517_051337_000000502068_00363_32481_4927.N1	17-MAY-2008 05:13:37	Straylight	49.500	115	34Ups Sco	2.6960	26000.	99	32481	No
50	GOM_TRA_1PNPDE20080517_051550_000000472068_00363_32481_4928.N1	17-MAY-2008 05:15:50	Twi_and_stray	46.500	75	26Eps Sco	2.2910	4250.0	93	32481	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).

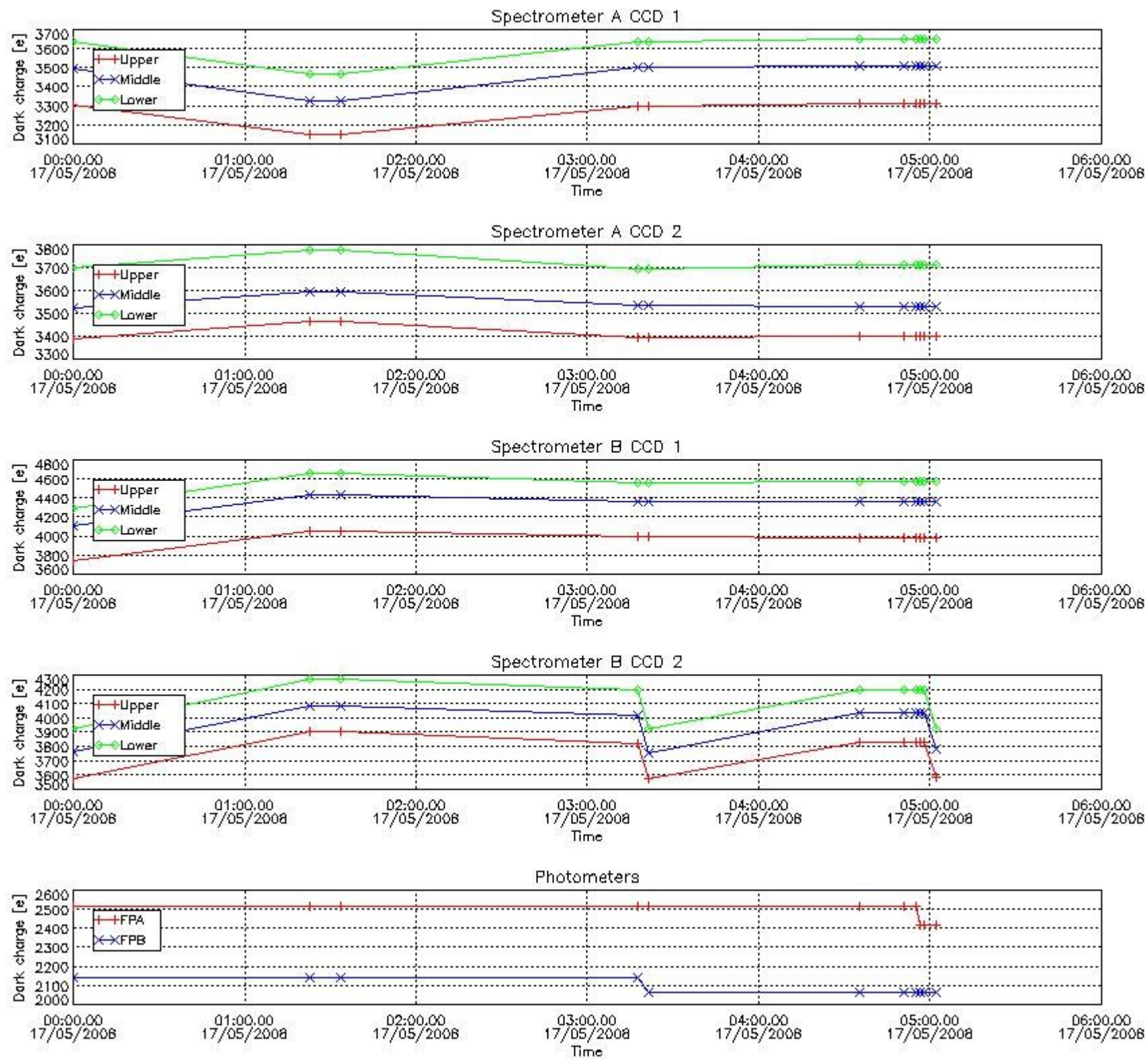
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20080517_031730_000000382068_00362_32480_4731.N1	DC map used
GOM_TRA_1PNPDE20080517_032122_000000422068_00362_32480_4732.N1	DC map used
GOM_TRA_1PNPDE20080517_032829_000000422068_00362_32480_4733.N1	DC map used
GOM_TRA_1PNPDE20080517_033129_000000502068_00362_32480_4734.N1	DC map used
GOM_TRA_1PNPDE20080517_033300_000000492068_00362_32480_4735.N1	DC map used
GOM_TRA_1PNPDE20080517_033514_000000532068_00362_32480_4736.N1	DC map used
GOM_TRA_1PNPDE20080517_033817_000000562068_00362_32480_4737.N1	DC map used
GOM_TRA_1PNPDE20080517_034051_000000572068_00362_32480_4738.N1	DC map used
GOM_TRA_1PNPDE20080517_034239_000000372068_00362_32480_4739.N1	DC map used
GOM_TRA_1PNPDE20080517_034429_000000402068_00362_32480_4740.N1	DC map used
GOM_TRA_1PNPDE20080517_034942_000000432068_00362_32480_4741.N1	DC map used
GOM_TRA_1PNPDE20080517_035254_000000362068_00362_32480_4742.N1	DC map used
GOM_TRA_1PNPDE20080517_035519_000000382068_00362_32480_4743.N1	DC map used
GOM_TRA_1PNPDE20080517_035828_000000372068_00362_32480_4744.N1	DC map used

GOM_TRA_1PNPDE20080517_040125_000000362068_00362_32480_4745.N1	DC map used
GOM_TRA_1PNPDE20080517_040703_000000402068_00362_32480_4746.N1	DC map used
GOM_TRA_1PNPDE20080517_040841_000000382068_00362_32480_4747.N1	DC map used
GOM_TRA_1PNPDE20080517_041306_000000352068_00362_32480_4748.N1	DC map used

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

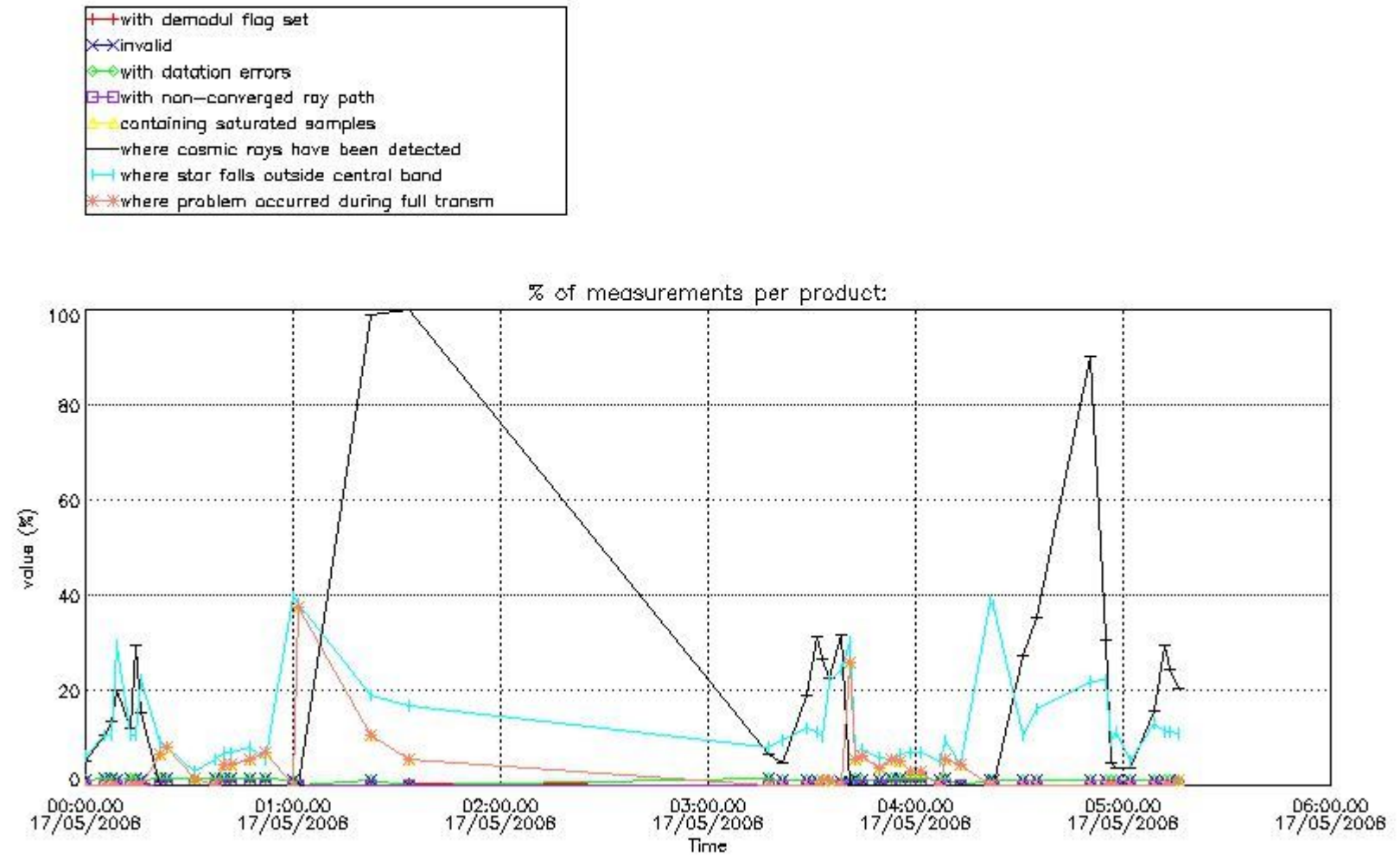
In this section it is presented the modulation information extracted from the pcd (product confidence data)

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.

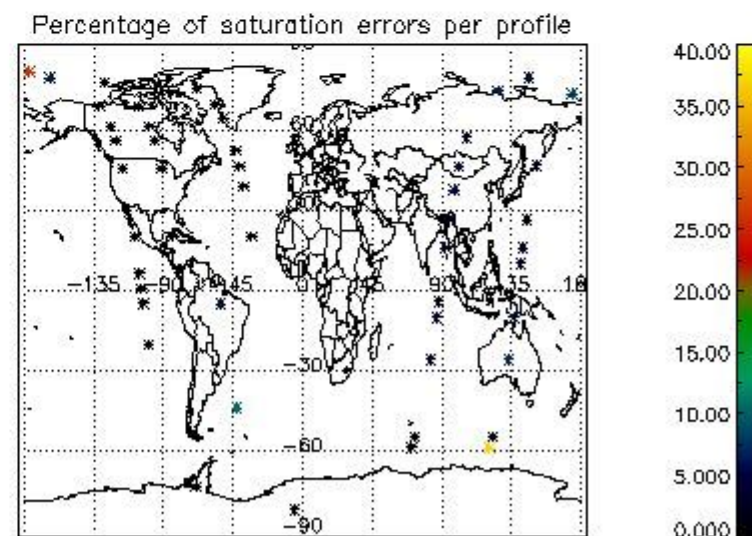
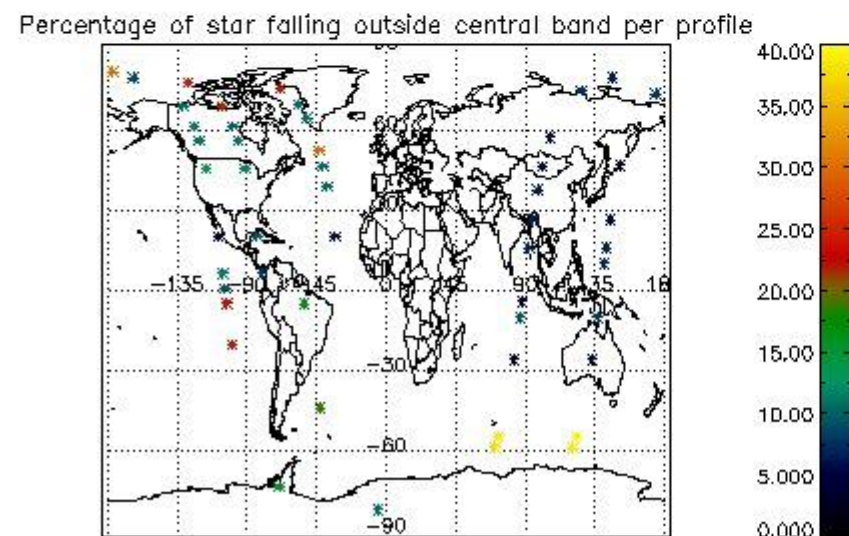
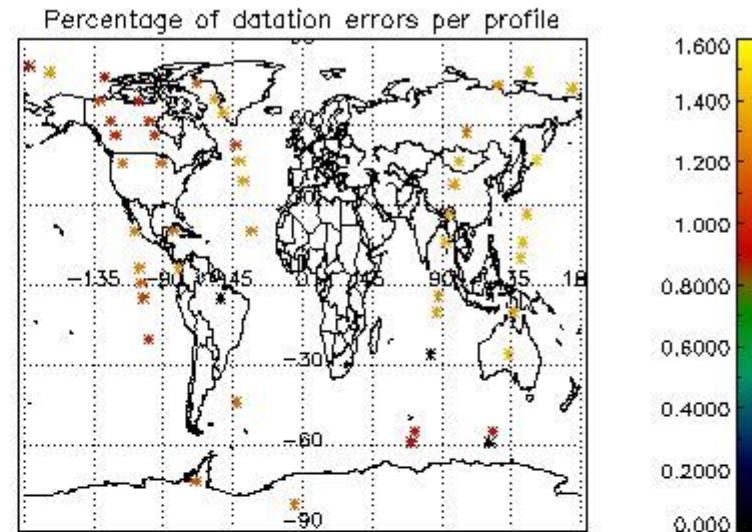
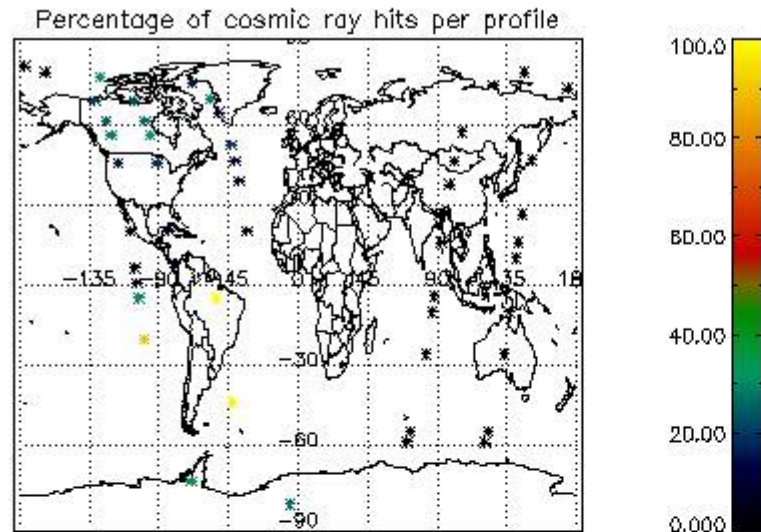
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	32.0000 %
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)



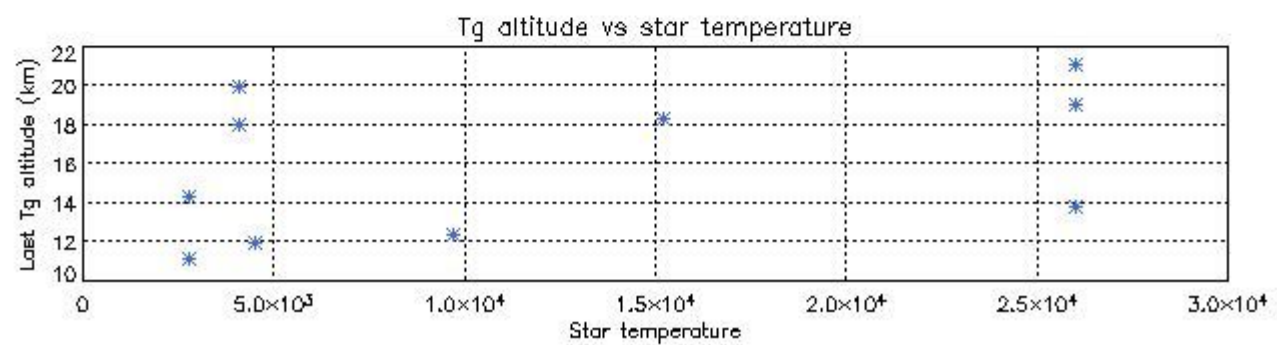
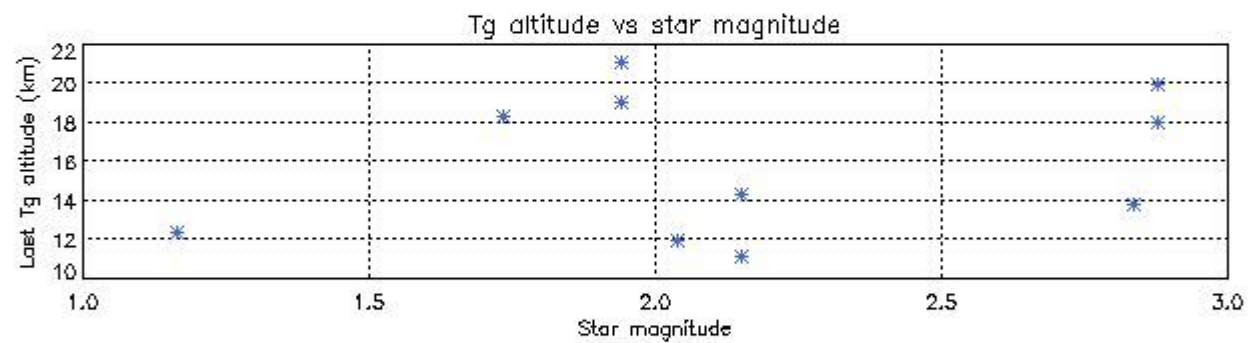
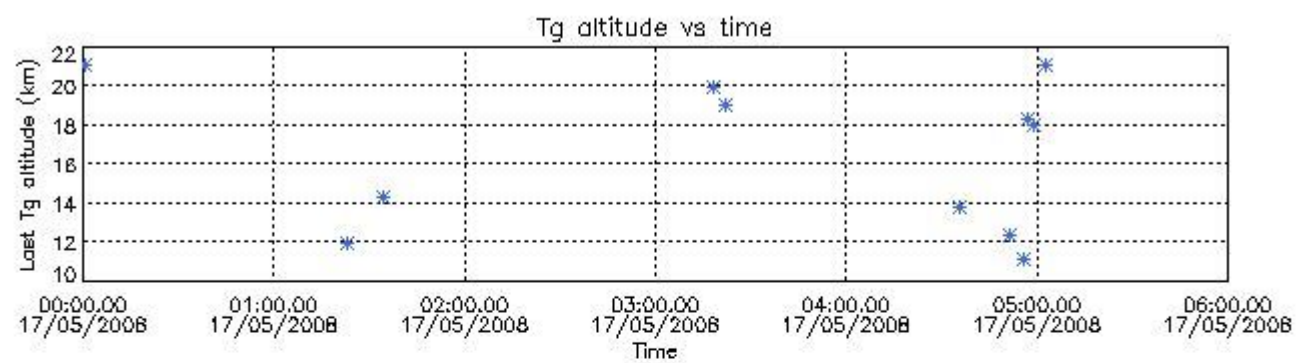
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.454	17.330	NaN
St. deviation:	3.8028	7.1767	NaN
Maximum:	21.063	23.858	NaN
Minimum:	11.135	3.4515	NaN
Number of data:	11.000	23.000	NaN

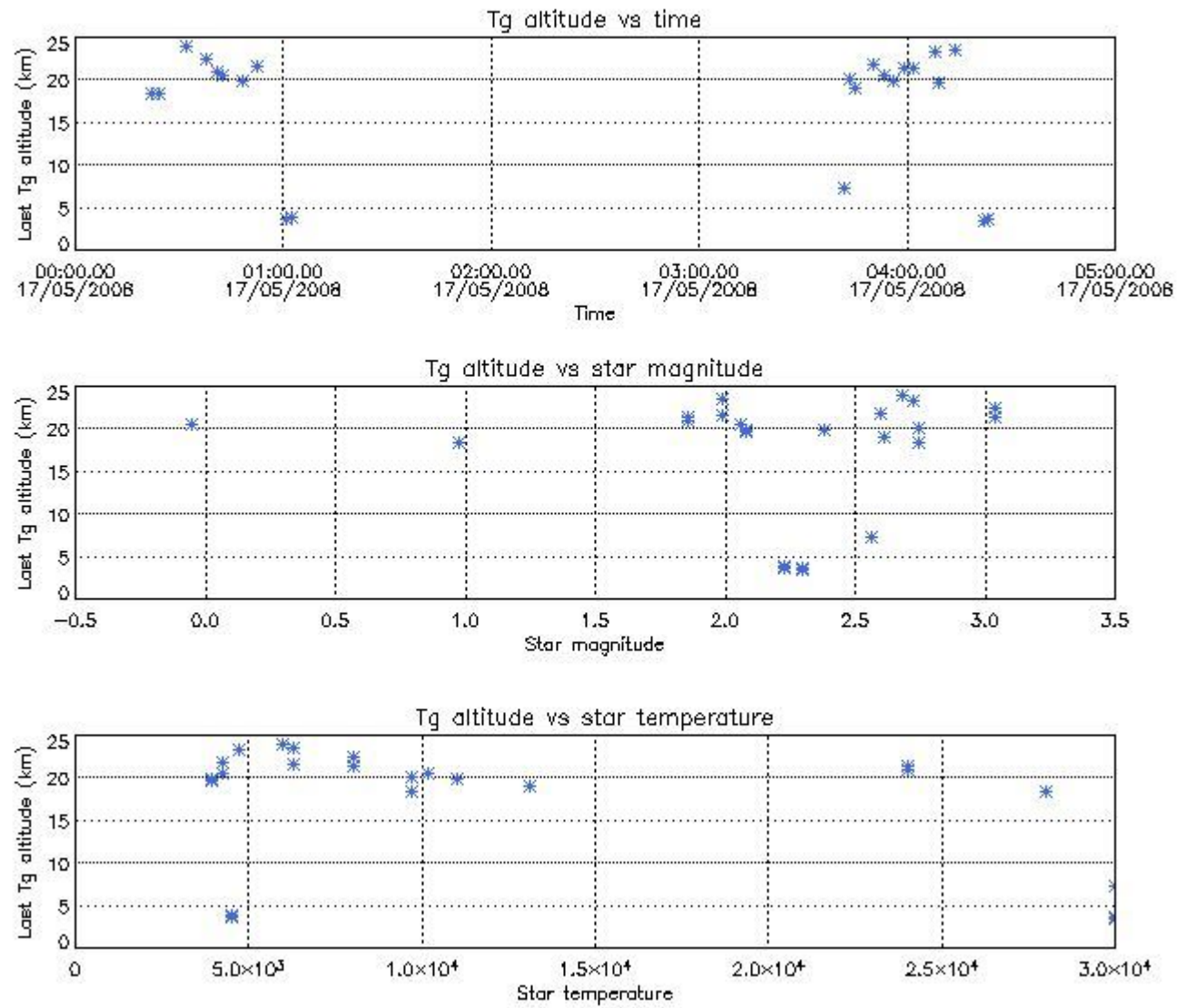
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

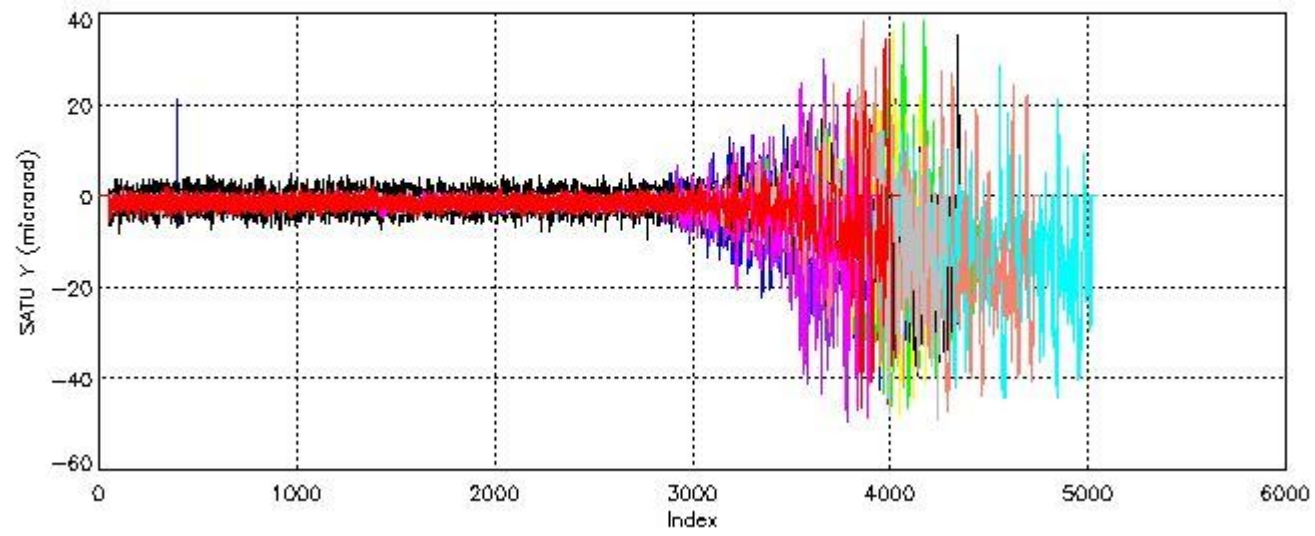
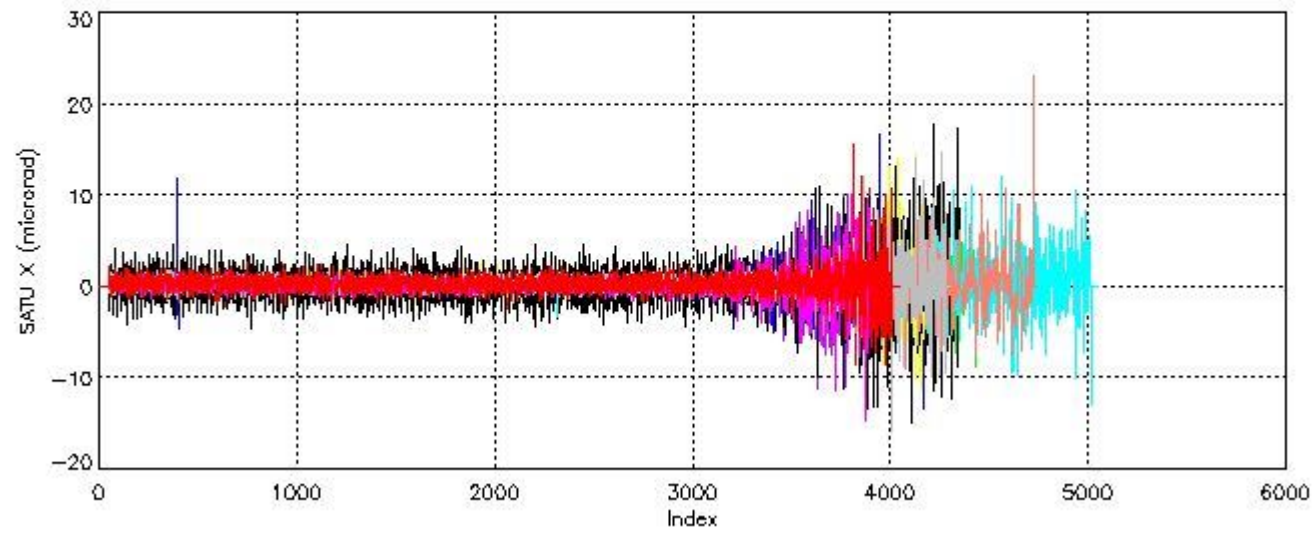


7. Star Acquisition and Tracking Unit (SATU)

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:	0.17769	-1.3706	0.11345	-1.2863
St. deviation:	0.55086	1.0979	0.77165	1.2324
Maximum:	11.900	21.100	5.3000	5.1000
Minimum:	-4.7000	-8.1000	-5.1000	-7.4000

Number of data:	10500.	10500.	19350.	19350.
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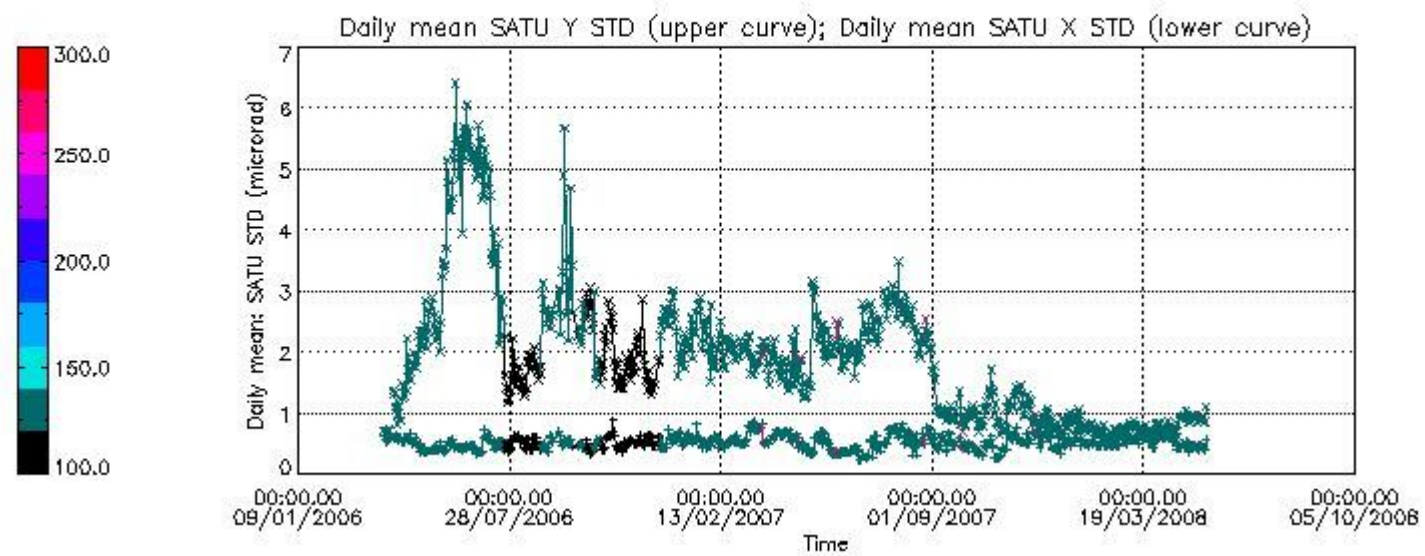
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

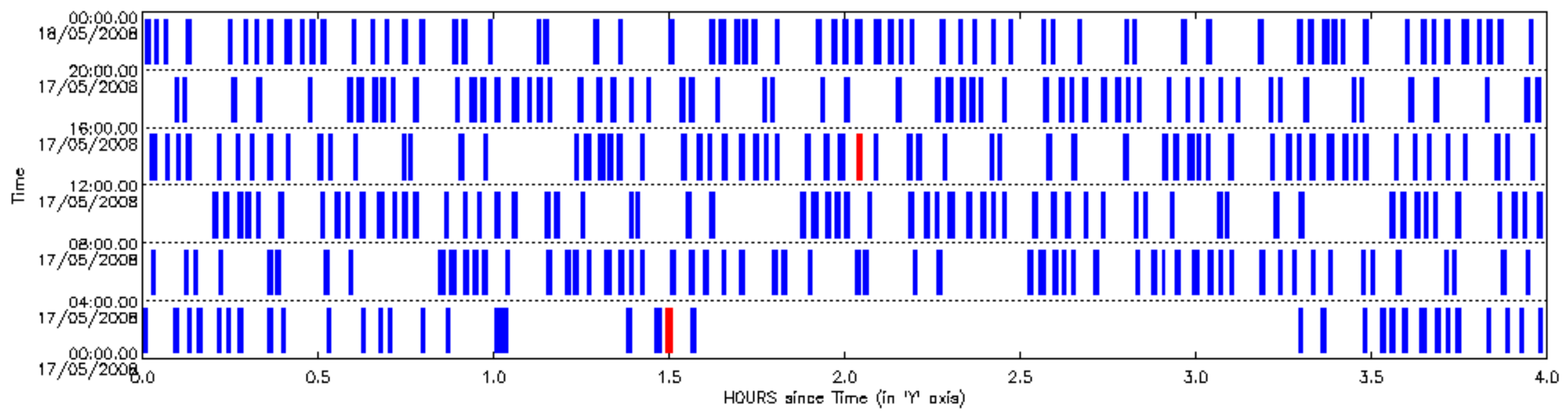
Lower curve: STD of SATU X axis

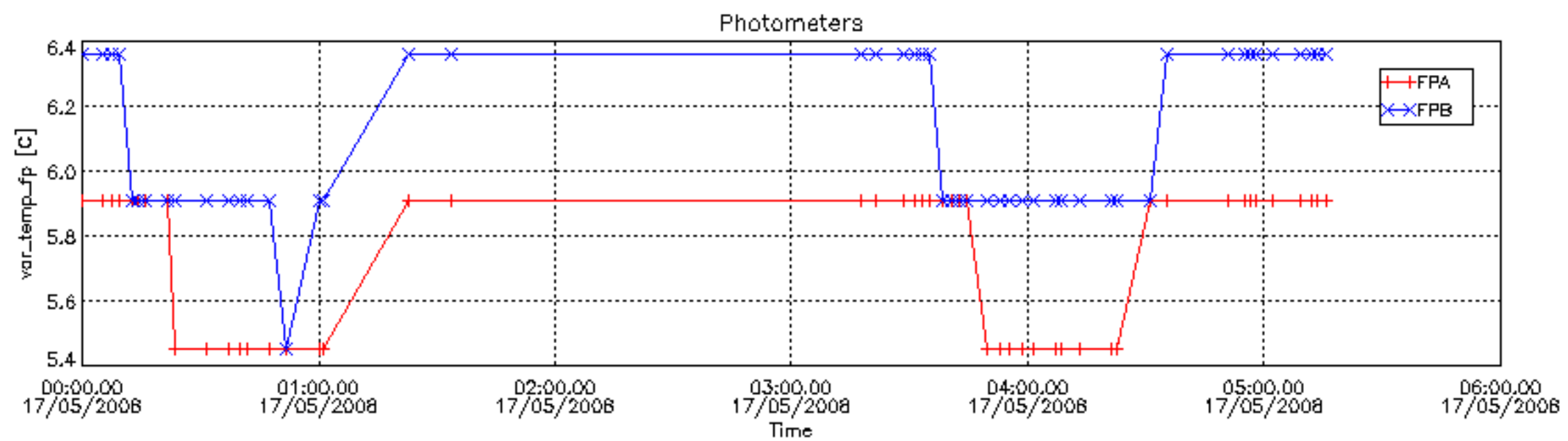
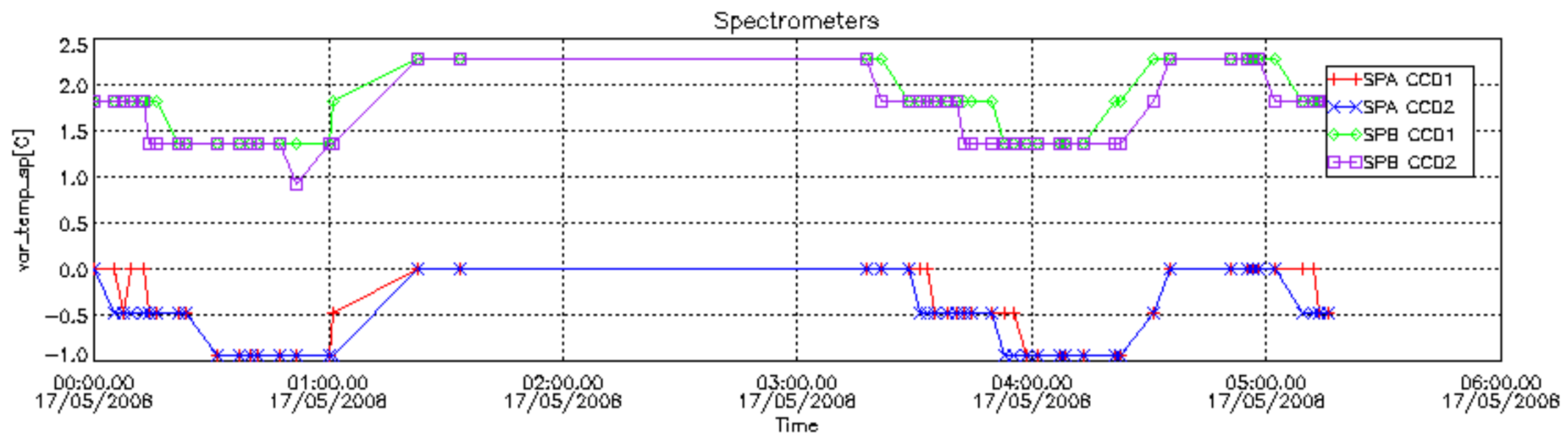


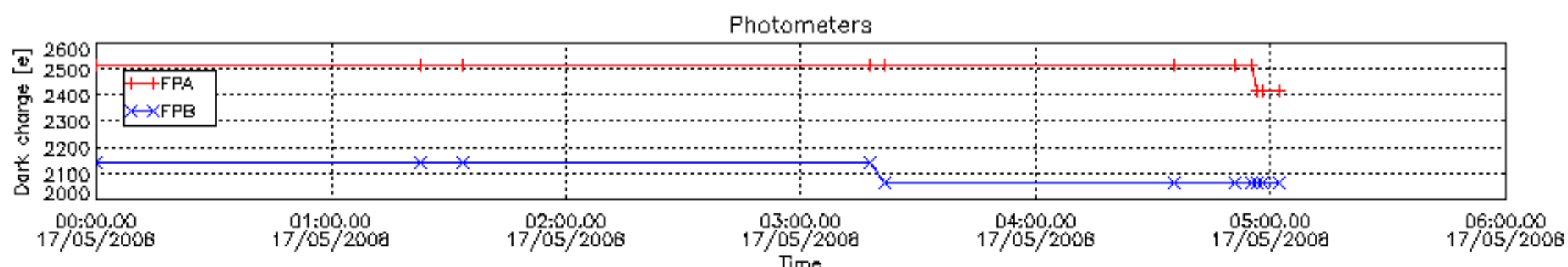
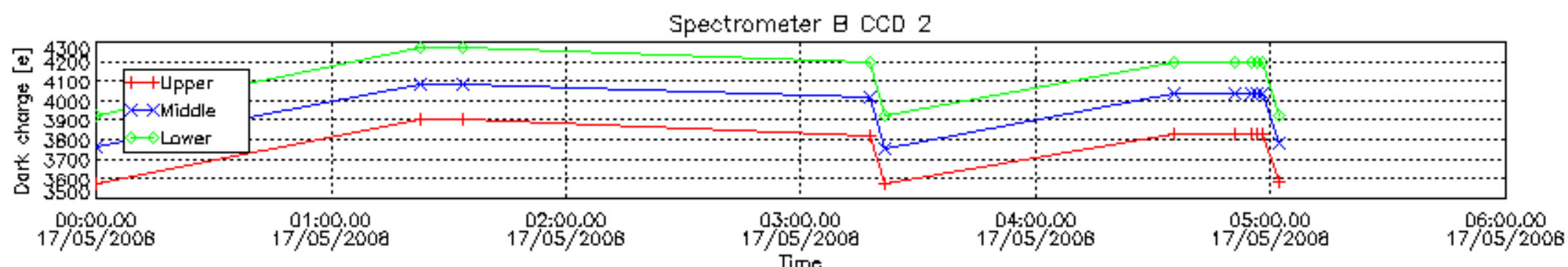
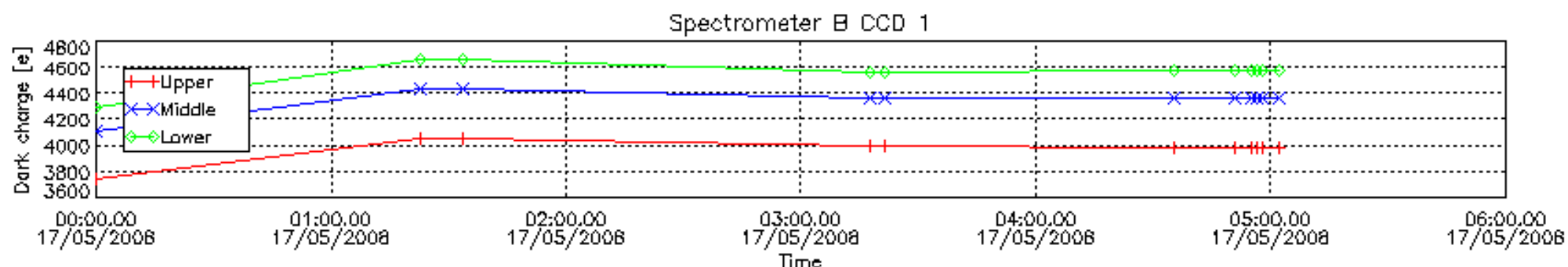
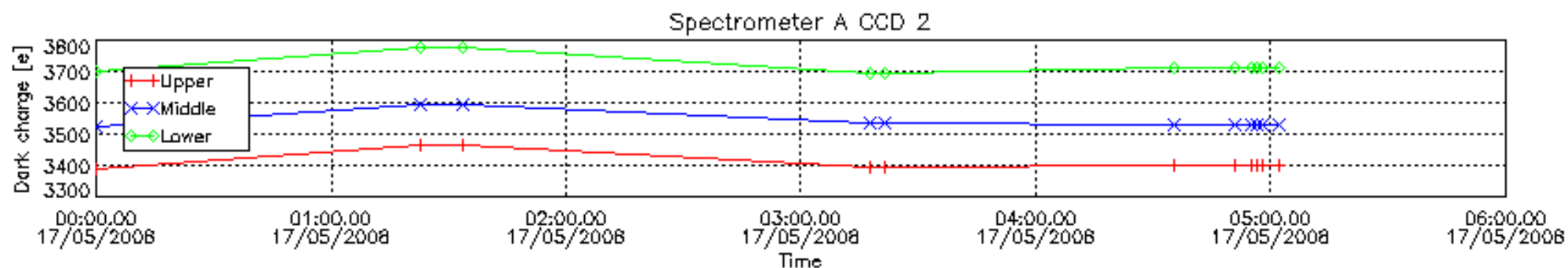
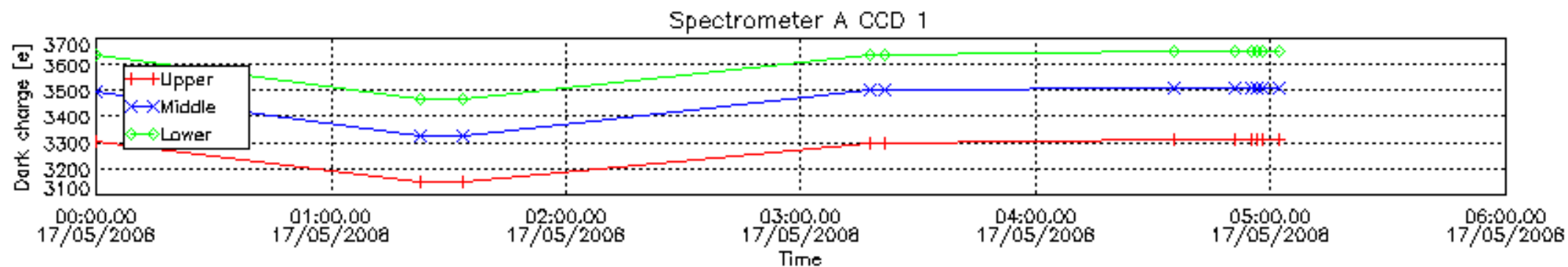
8. Auxiliary Data Files used for the production reported in section 2.4

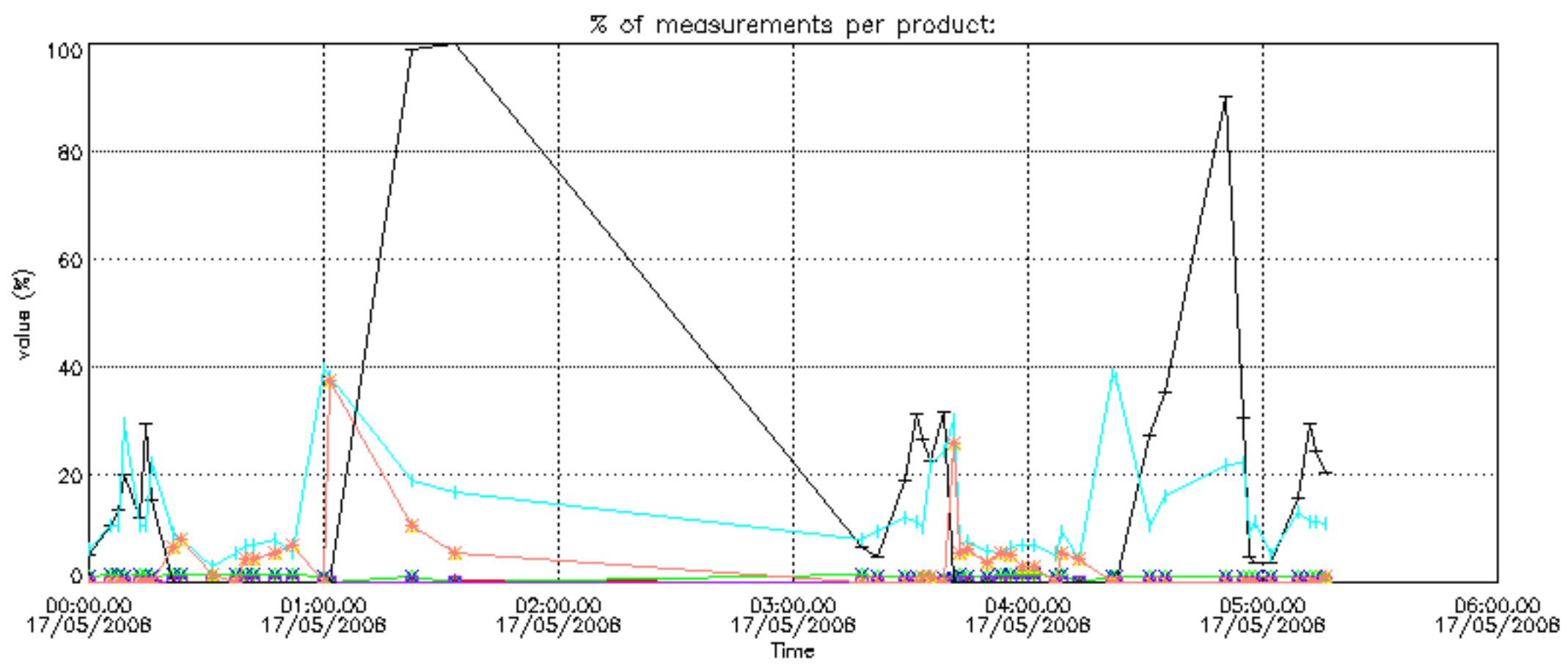
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	17-MAY-2008 00:00:08
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20080514_112535_20080512_000000_20100101_000000	1	17-MAY-2008 00:00:08
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	17-MAY-2008 00:00:08
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	17-MAY-2008 00:00:08
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	17-MAY-2008 00:00:08
ECMWF_FILE	AUX_ECF_AXNECM20080516_072113_20080516_210000_20080517_090000	1	17-MAY-2008 00:00:08
ECMWF_FILE	AUX_ECF_AXNECM20080516_192116_20080517_030000_20080517_150000	20	17-MAY-2008 03:17:30
OPTIONAL_ECMWF_FILE	MISSING	1	17-MAY-2008 00:00:08
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080516_215924_000057382068_00358_32476_5546.N1	1	17-MAY-2008 00:00:08
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080516_234021_000057382068_00359_32477_5547.N1	18	17-MAY-2008 01:22:42
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080517_012118_000041442068_00360_32478_5548.N1	20	17-MAY-2008 03:17:30
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080517_023541_000054192068_00361_32479_5549.N1	38	17-MAY-2008 04:21:18

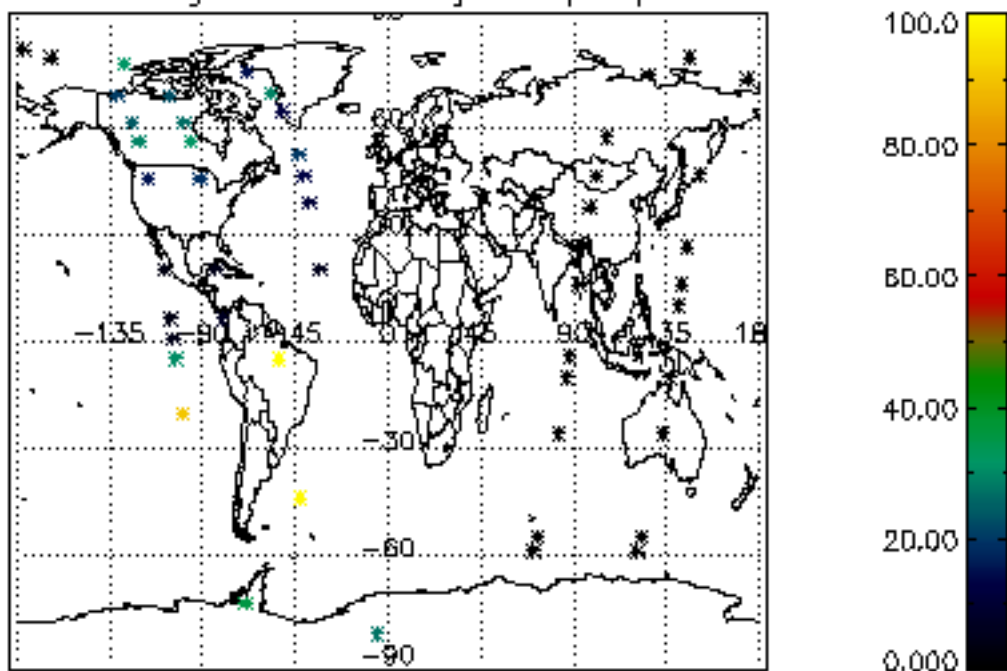




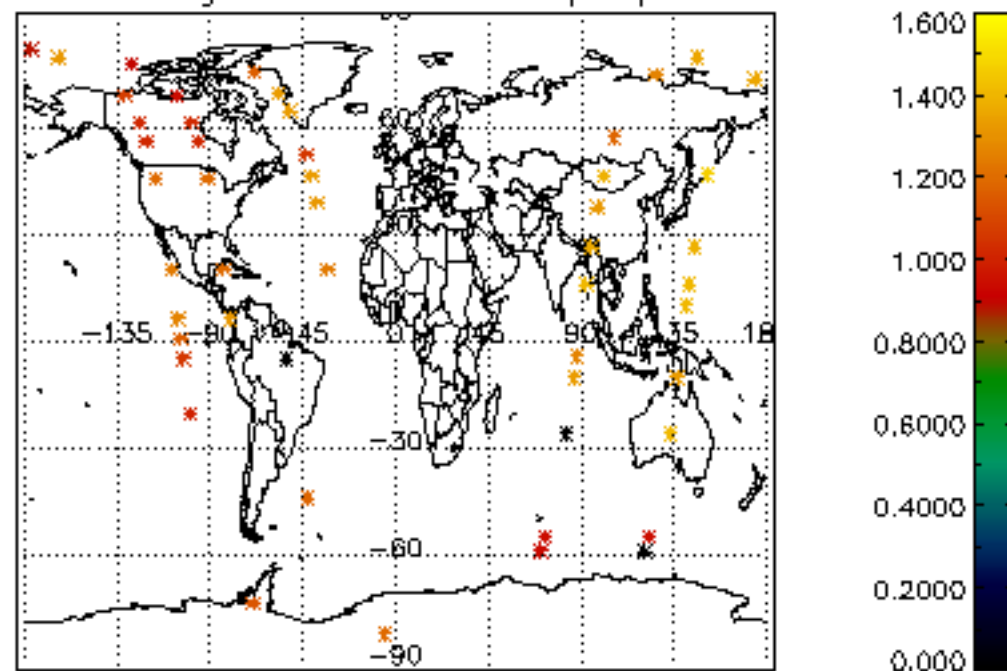




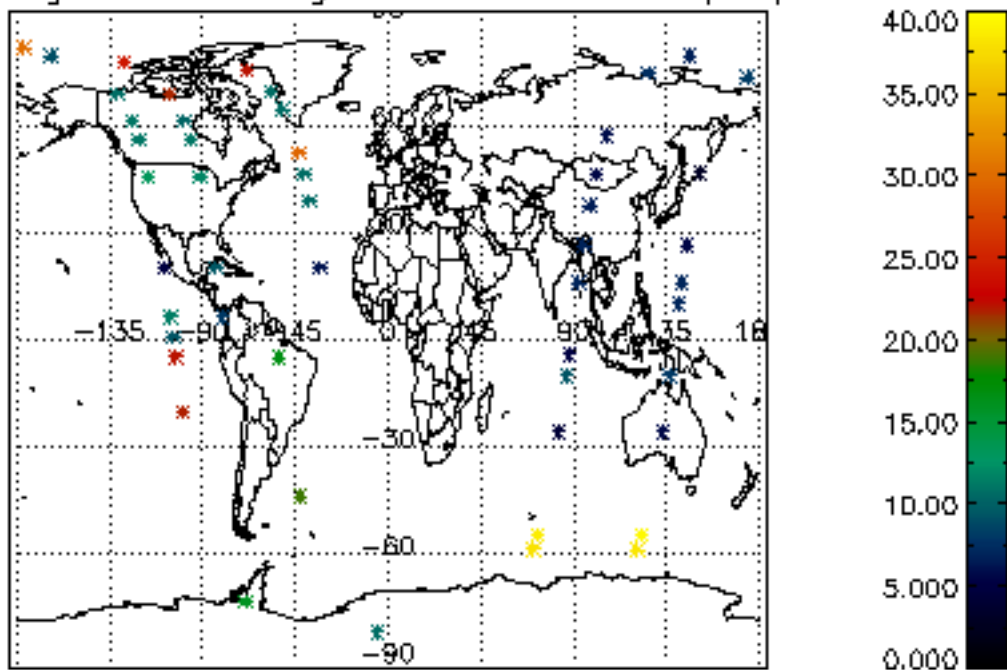
Percentage of cosmic ray hits per profile



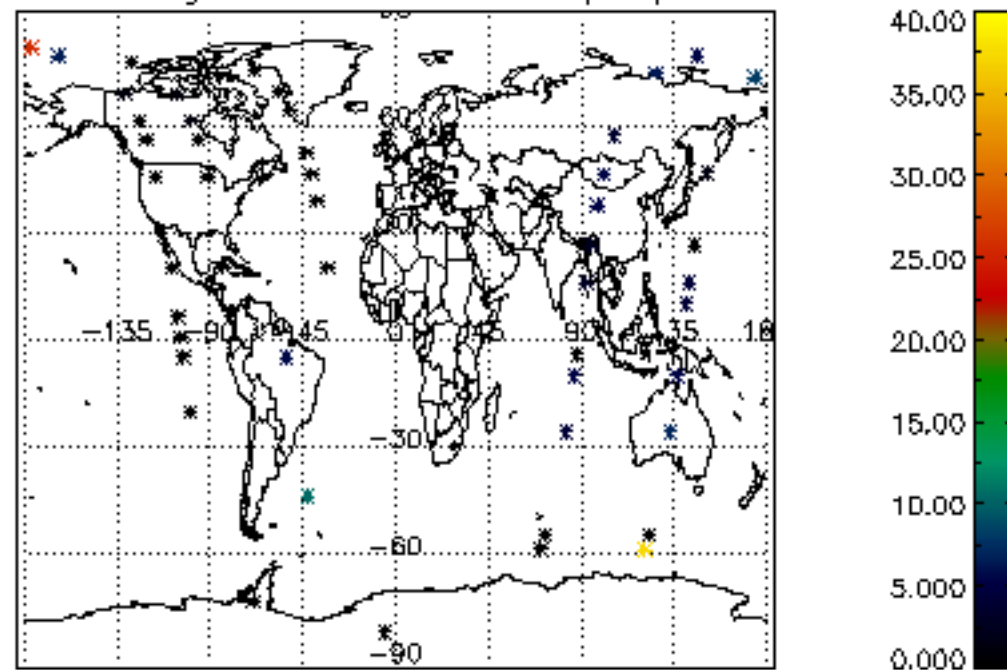
Percentage of datation errors per profile



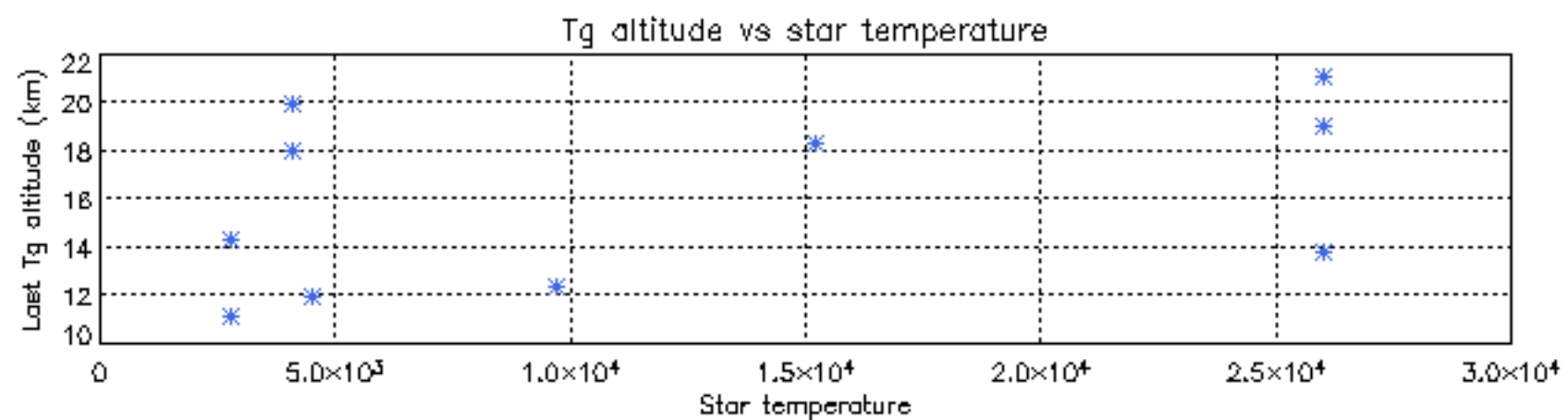
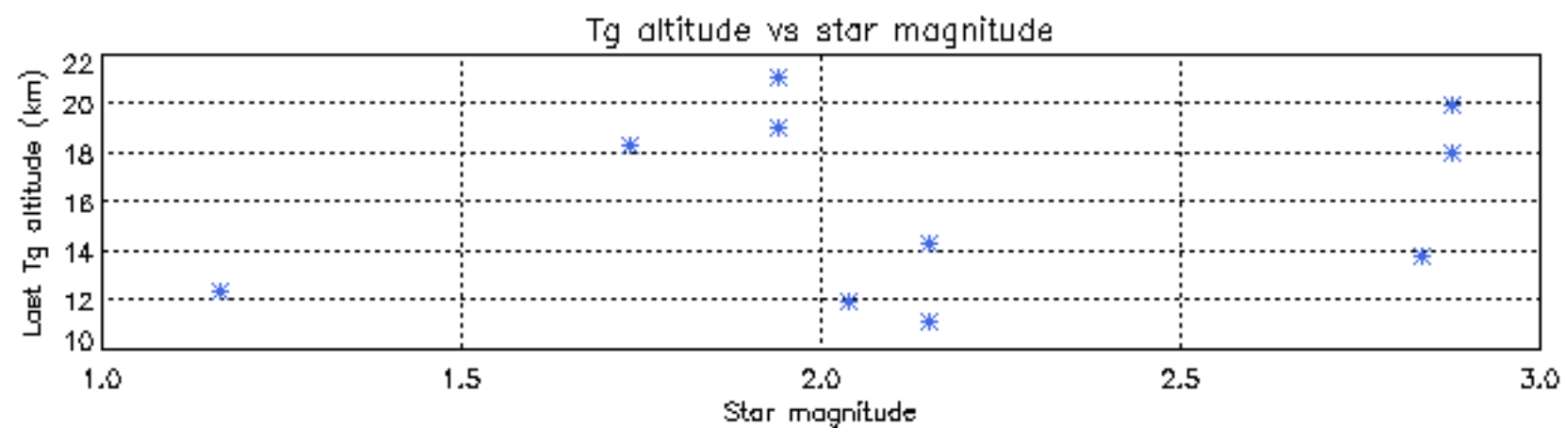
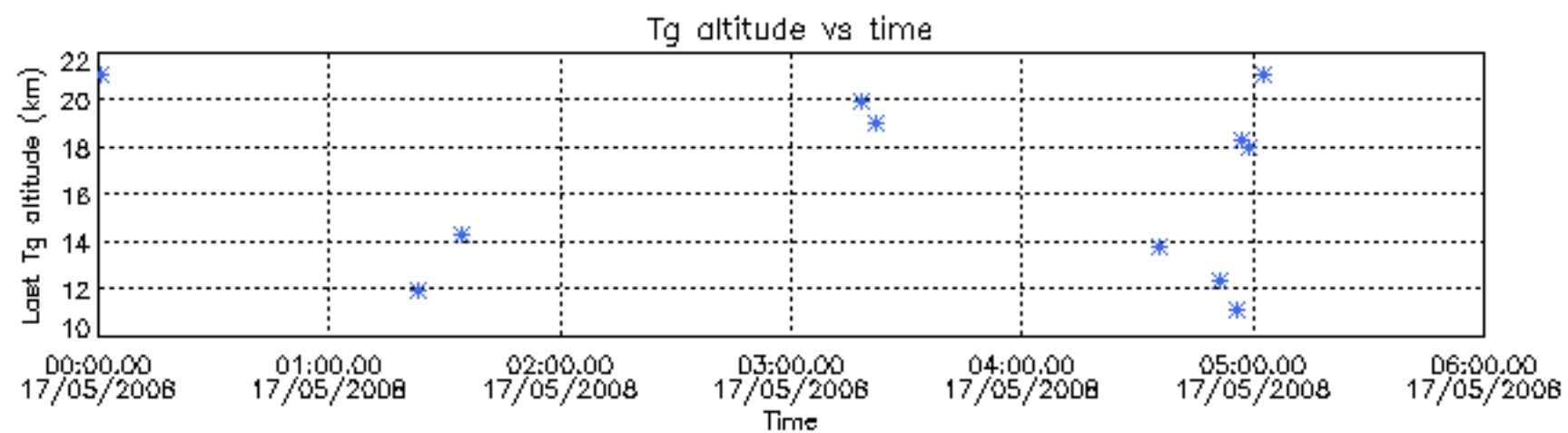
Percentage of star falling outside central band per profile



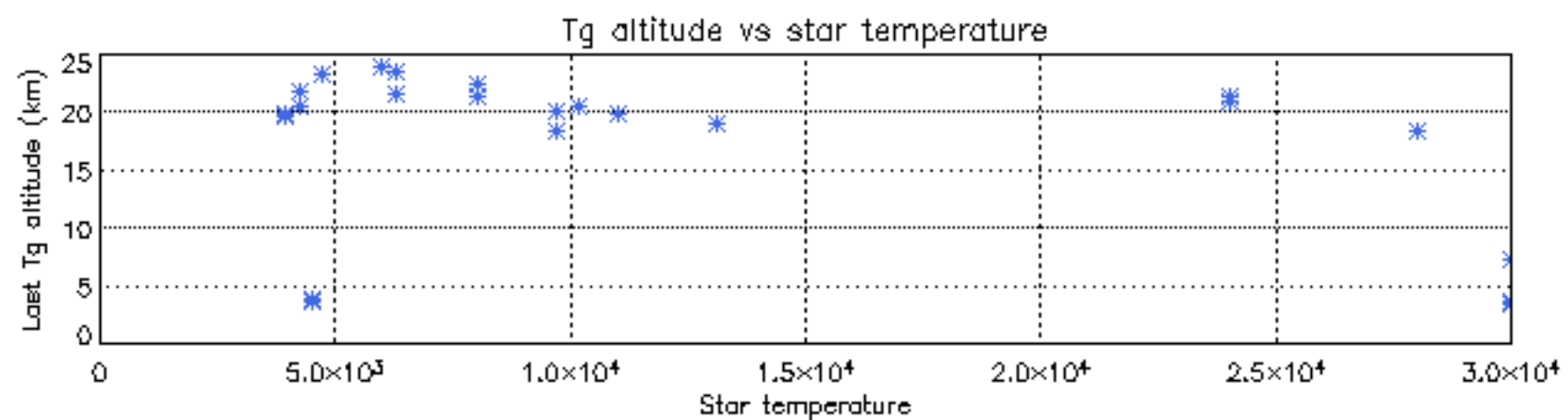
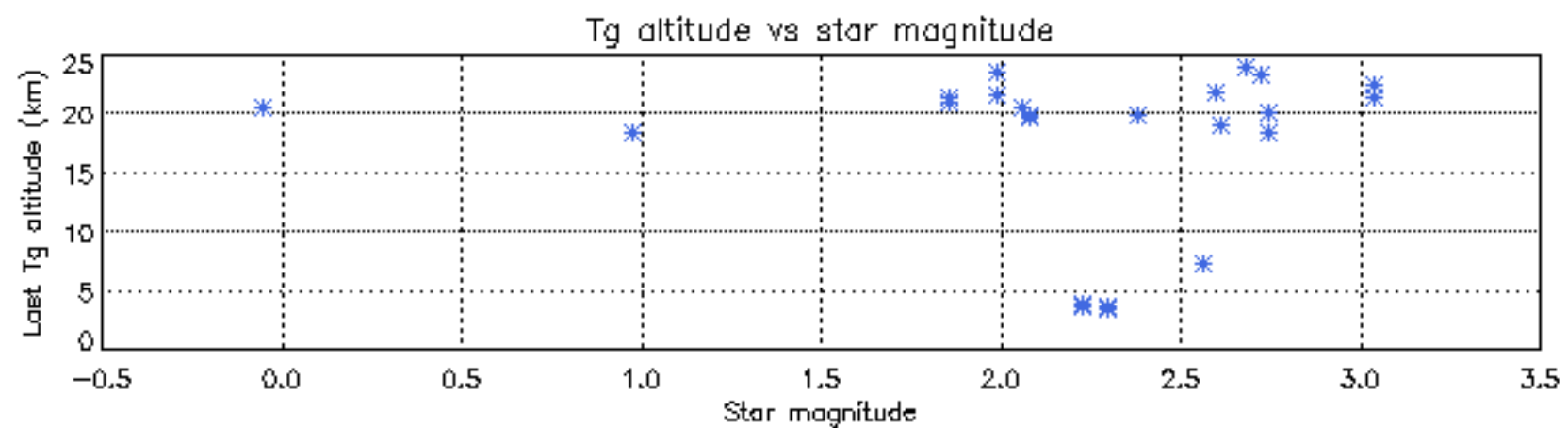
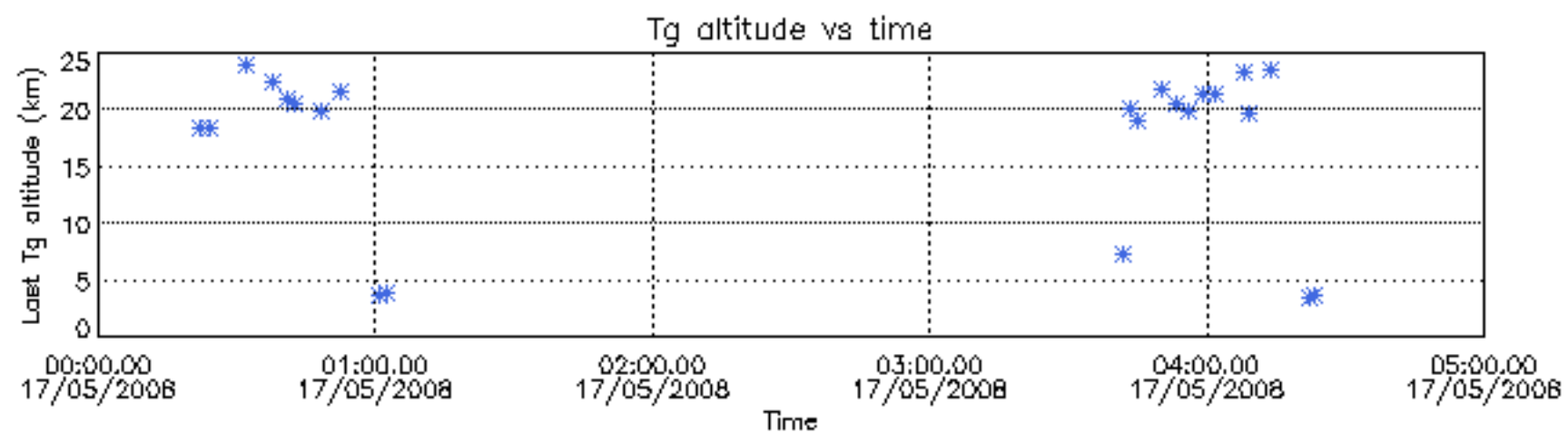
Percentage of saturation errors per profile

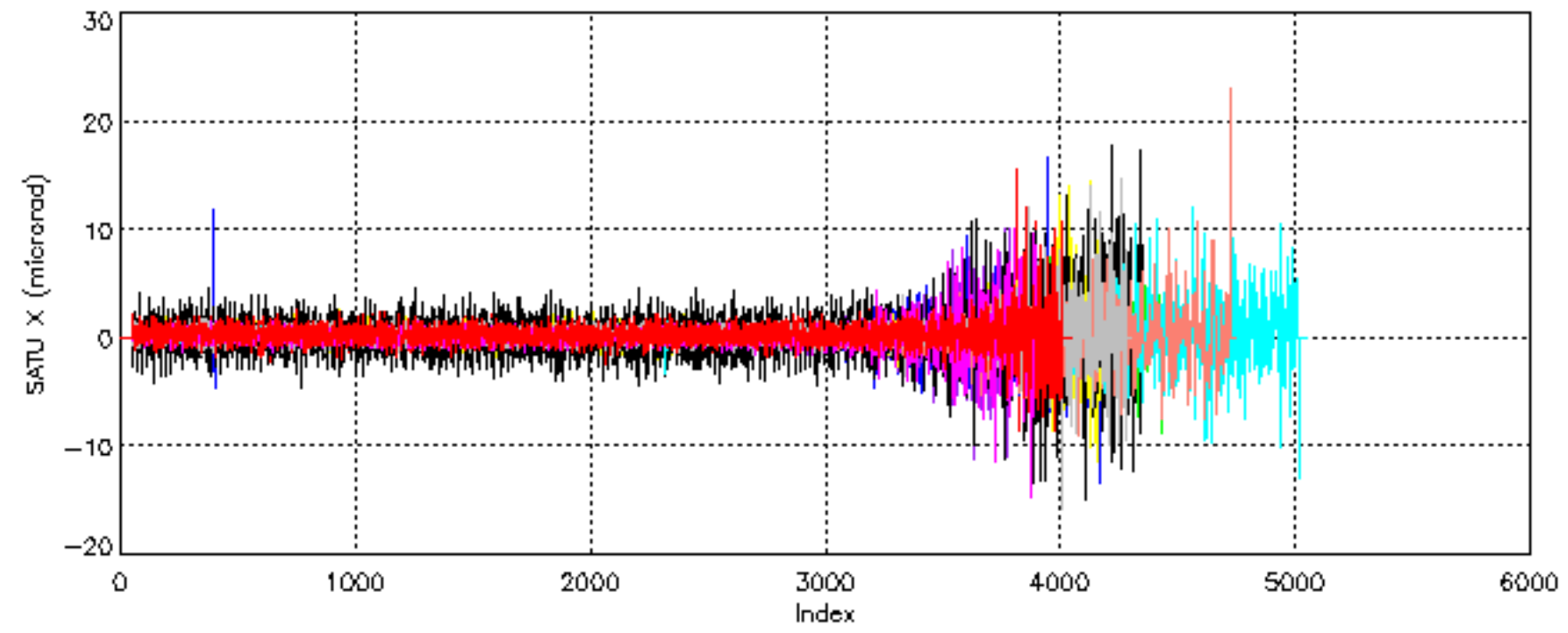


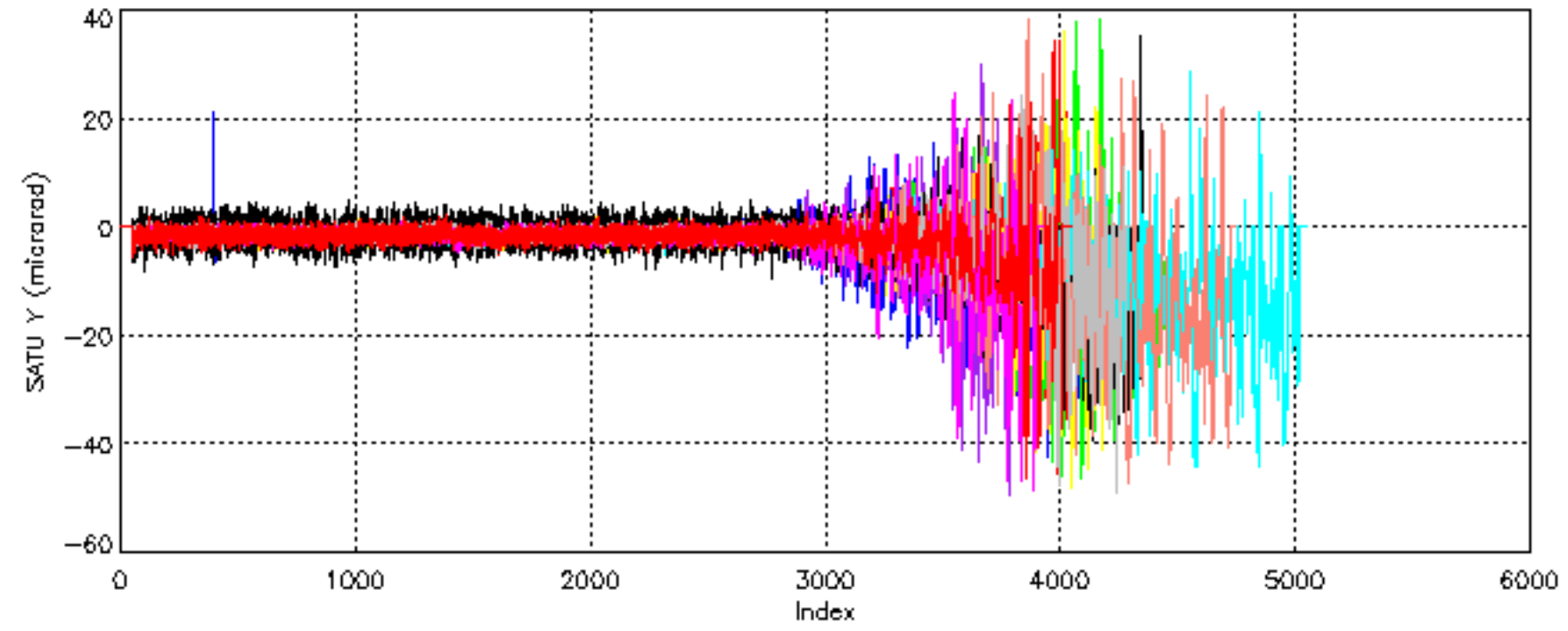
Tangent altitude at which the star is lost

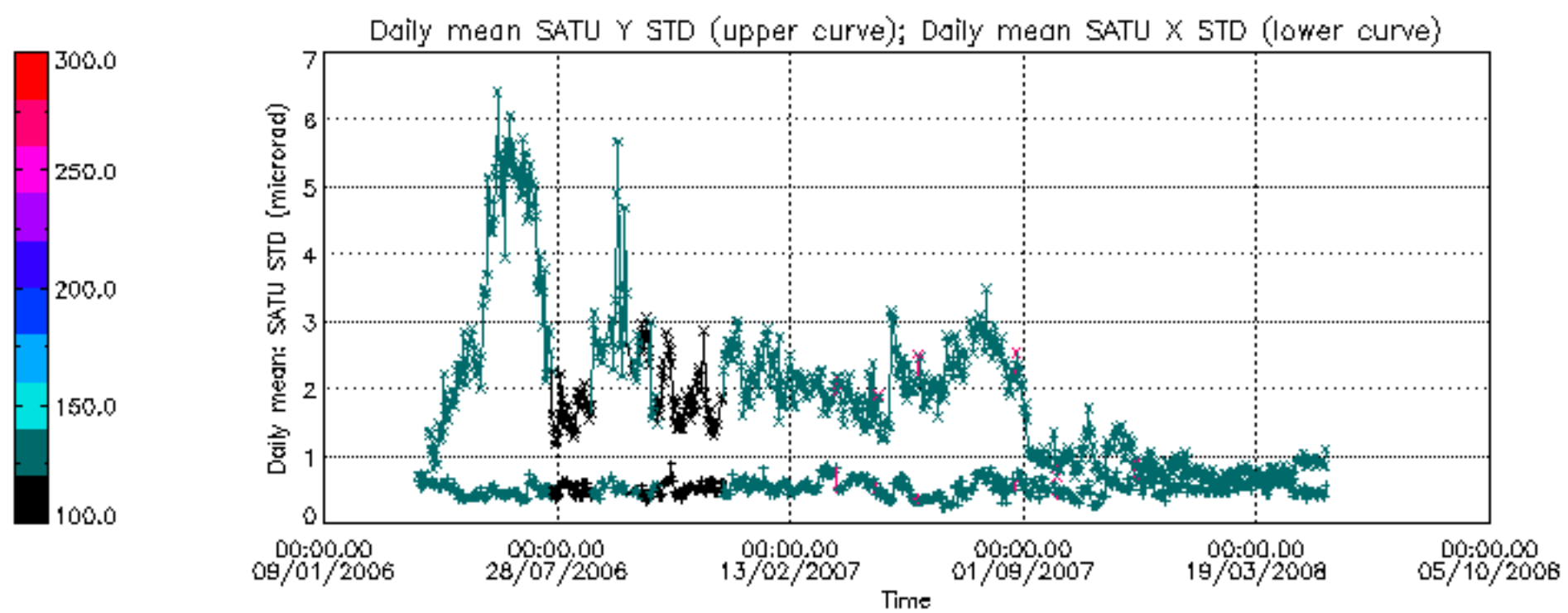


Tangent altitude at which the star is lost









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 2; -490.9; 01-MAY-2008 01:29:44; Dark ; 44.0; 18; 24Alp PsA ; 1.17; 9700;occ; 88; 0;32249
 3; -363.8; 01-MAY-2008 01:31:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32249
 4; -144.6; 01-MAY-2008 01:35:30; Dark ; 39.5; 31; Alp Gru ; 1.73; 15200;occ; 79; 0;32249
 5; 579.3; 01-MAY-2008 01:47:34; Dark ; 38.5; 43; Alp TrA ; 1.91; 4250;occ; 77; 0;32250
 6; 711.2; 01-MAY-2008 01:49:46; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;32250
 7; 834.0; 01-MAY-2008 01:51:49; Dark ; 44.0; 4; Alp1Cen ; -0.01; 5800;occ; 88; 0;32250
 8; 925.5; 01-MAY-2008 01:53:21; Dark ; 37.0; 20; Bet Cru ; 1.25; 30000;occ; 74; 0;32250
 9; 999.9; 01-MAY-2008 01:54:35; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;32250
 10; 1107.3; 01-MAY-2008 01:56:22; Dark ; 36.5; 64; Gam Cen ; 2.20; 10600;occ; 73; 0;32250
 11; 1257.2; 01-MAY-2008 01:58:52; Dark ; 42.5; 54; 5The Cen ; 2.06; 4500;occ; 85; 0;32250
 12; 1513.6; 01-MAY-2008 02:03:09; Dark ; 41.0; 169; 46Gam Hya ; 2.99; 4700;occ; 82; 0;32250
 13; 1712.8; 01-MAY-2008 02:06:28; Bright; 38.0; 15; 67Alp Vir ; 0.98; 28000;occ; 76; 0;32250
 14; 1897.6; 01-MAY-2008 02:09:33; Bright; 49.0; 121; 29Gam Vir ; 2.74; 7200;occ; 98; 0;32250
 15; 2096.0; 01-MAY-2008 02:12:51; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;32250
 16; 2204.4; 01-MAY-2008 02:14:40; Bright; 36.0; 62; 94Bet Leo ; 2.14; 9700;occ; 72; 0;32250
 17; 2559.7; 01-MAY-2008 02:20:35; Bright; 35.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 70; 0;32250
 18; 2729.7; 01-MAY-2008 02:23:25; Bright; 34.5; 174; 52Psi UMa ; 3.00; 4400;occ; 69; 0;32250
 19; 2833.8; 01-MAY-2008 02:25:09; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;32250
 20; 2918.7; 01-MAY-2008 02:26:34; Bright; 35.5; 82; 48Bet UMa ; 2.37; 10600;occ; 71; 0;32250
 21; 2997.3; 01-MAY-2008 02:27:52; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;32250
 22; 3444.8; 01-MAY-2008 02:35:20; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;32250

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 7; 579.7; 01-MAY-2008 03:28:11; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;32251
 8; 711.5; 01-MAY-2008 03:30:23; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32251
 9; 834.4; 01-MAY-2008 03:32:25; Dark ; 44.5; 4; Alp1Cen ; -0.01; 5800;occ; 89; 0;32251
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 11; 1000.2; 01-MAY-2008 03:35:11; Dark ; 36.5; 77; Eps Cen ; 2.30; 28000;occ; 73; 0;32251
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 13; 1257.5; 01-MAY-2008 03:39:29; Dark ; 42.5; 54; 5The Cen ; 2.06; 4500;occ; 85; 0;32251
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 17; 2096.2; 01-MAY-2008 03:53:27; Bright; 52.0; 138; 47Eps Vir ; 2.83; 4700;occ; 104; 0;32251
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 22; 2919.2; 01-MAY-2008 04:07:10; Bright; 40.5; 82; 48Bet UMa ; 2.37; 10600;occ; 81; 0;32251
 23; 2997.7; 01-MAY-2008 04:08:29; Bright; 32.5; 36; 50Alp UMa ; 1.80; 6300;occ; 65; 0;32251
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 13; 1257.7; 01-MAY-2008 05:20:05; Dark ; 38.5; 54; 5The Cen ; 2.06; 4500;occ; 77; 0;32252
 14; 1514.2; 01-MAY-2008 05:24:21; Bright; 36.5; 169; 46Gam Hya ; 2.99; 4700;occ; 73; 0;32252
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 17; 2096.4; 01-MAY-2008 05:34:03; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;32252
 18; 2205.2; 01-MAY-2008 05:35:52; Bright; 39.0; 62; 94Bet Leo ; 2.14; 9700;occ; 78; 0;32252
 19; 2559.7; 01-MAY-2008 05:41:47; Bright; 34.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 68; 0;32252

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21; 2834.3; 01-MAY-2008 05:46:21; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;32252
22; 2919.4; 01-MAY-2008 05:47:46; Bright; 36.5; 82; 48Bet UMa ; 2.37; 10600;occ; 73; 0;32252
23; 2998.0; 01-MAY-2008 05:49:05; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;32252
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 5; 1108.7; 01-MAY-2008 20:22:59; Dark ; 39.5; 64; Gam Cen ; 2.20; 10600;occ; 79; 0;32261
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 9; 1899.4; 01-MAY-2008 20:36:10; Bright; 35.5; 121; 29Gam Vir ; 2.74; 7200;occ; 71; 0;32261
10; 2097.0; 01-MAY-2008 20:39:28; Bright; 35.0; 138; 47Eps Vir ; 2.83; 4700;occ; 70; 0;32261
11; 2208.0; 01-MAY-2008 20:41:19; Bright; 37.0; 62; 94Bet Leo ; 2.14; 9700;occ; 74; 0;32261
12; 2559.8; 01-MAY-2008 20:47:10; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;32261
13; 2734.1; 01-MAY-2008 20:50:05; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;32261
14; 2835.7; 01-MAY-2008 20:51:46; Bright; 45.0; 87; 64Gam UMa ; 2.43; 11000;occ; 90; 0;32261
15; 2921.9; 01-MAY-2008 20:53:13; Bright; 36.5; 82; 48Bet UMa ; 2.37; 10600;occ; 73; 0;32261
16; 3000.1; 01-MAY-2008 20:54:31; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;32261
17; 3444.9; 01-MAY-2008 21:01:56; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;32261
18; 3920.6; 01-MAY-2008 21:09:51; Bright; 32.0; 110; 37Del Cas ; 2.68; 8900;occ; 64; 0;32261
19; 4002.1; 01-MAY-2008 21:11:13; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;32261
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 6; 16.0; 01-MAY-2008 21:45:22; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;32262
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11; 1002.3; 01-MAY-2008 22:01:49; Dark ; 37.5; 77; Eps Cen ; 2.30; 28000;occ; 75; 0;32262
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14; 1714.6; 01-MAY-2008 23:54:17; Bright; 38.0; 15; 67Alp Vir ; 0.98; 28000;occ; 76; 0;32263

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15; 1516.5; 02-MAY-2008 03:12:11; Bright; 38.5; 169; 46Gam Hya ; 2.99; 4700;occ; 77; 0;32265
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22; 2836.5; 02-MAY-2008 03:34:11; Bright; 34.5; 87; 64Gam UMa ; 2.43; 11000;occ; 69; 0;32265
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7;	310.2;	13-MAY-2008	23:53:53;	Dark	;	42.0;	45;	Alp Pav	;	1.94;	26000;occ;	84;	0;	32435
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16;	2123.6;	14-MAY-2008	00:24:07;	Bright;	;	35.0;	138;	47Eps Vir	;	2.83;	4700;occ;	70;	0;	32435
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21;	3052.3;	14-MAY-2008	00:39:35;	Bright;	;	38.5;	36;	50Alp UMa	;	1.80;	6300;occ;	77;	0;	32435
22;	3186.5;	14-MAY-2008	00:41:49;	Bright;	;	38.0;	60;	7Bet UMi	;	2.08;	3950;occ;	76;	0;	32435
23;	3446.0;	14-MAY-2008	00:46:09;	Bright;	;	35.0;	49;	1Alp UMi	;	1.99;	6300;occ;	70;	0;	32435
24;	3937.4;	14-MAY-2008	00:54:20;	Bright;	;	45.0;	76;	27Gam Cas	;	2.30;	30000;occ;	90;	0;	32435
25;	4011.3;	14-MAY-2008	00:55:34;	Bright;	;	41.5;	68;	18Alp Cas	;	2.22;	4500;occ;	83;	0;	32435
26;	4757.1;	14-MAY-2008	01:08:00;	Dark	;	41.0;	140;	88Gam Peg	;	2.83;	26000;occ;	82;	0;	32435
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6;	-466.1;	13-MAY-2008	06:54:58;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	32424
7;	-349.1;	13-MAY-2008	06:56:55;	Dark	;	40.5;	84;	Alp Phe	;	2.40;	4500;occ;	81;	0;	32424
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12;	637.6;	13-MAY-2008	07:13:21;	Dark	;	41.0;	43;	Alp TrA	;	1.91;	4250;occ;	82;	0;	32425
13;	768.8;	13-MAY-2008	07:15:32;	Dark	;	37.5;	134;	Bet TrA	;	2.81;	6600;occ;	75;	0;	32425
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15;	1087.5;	13-MAY-2008	07:20:51;	Dark	;	38.0;	78;	Alp Lup	;	2.30;	28000;occ;	76;	0;	32425
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9; 90.7; 14-MAY-2008 08:13:13; Dark ; 40.5; 148; Alp Tuc ; 2.88; 4100;occ; 81; 0;32440
10; 313.9; 14-MAY-2008 08:16:57; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32440
11; 642.1; 14-MAY-2008 08:22:25; Dark ; 40.0; 43; Alp TrA ; 1.91; 4250;occ; 80; 0;32440
12; 773.0; 14-MAY-2008 08:24:36; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;32440
13; 877.0; 14-MAY-2008 08:26:20; Dark ; 42.5; 4; Alp1Cen ; -0.01; 5800;occ; 85; 0;32440
14; 1090.8; 14-MAY-2008 08:29:54; Dark ; 39.0; 78; Alp Lup ; 2.30; 28000;occ; 78; 0;32440
15; 1181.4; 14-MAY-2008 08:31:24; Dark ; 39.0; 81; Eta Cen ; 2.36; 28000;occ; 78; 0;32440
16; 1297.4; 14-MAY-2008 08:33:20; Dark ; 39.5; 54; 5The Cen ; 2.06; 4500;occ; 79; 0;32440
17; 1613.8; 14-MAY-2008 08:38:37; Bright; 37.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 74; 0;32440

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6; 2745.8; 14-MAY-2008 08:57:29; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;32440
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11; 3937.7; 14-MAY-2008 09:17:20; Bright; 36.5; 76; 27Gam Cas ; 2.30; 30000;occ; 73; 0;32440
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15; 5572.7; 14-MAY-2008 09:44:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32440
16; 5691.2; 14-MAY-2008 09:46:34; Dark ; 40.0; 84; Alp Phe ; 2.40; 4500;occ; 80; 0;32440
17; 5929.4; 14-MAY-2008 09:50:32; Dark ; 41.0; 63; Bet Gru ; 2.15; 2800;occ; 82; 0;32440
18; 6015.9; 14-MAY-2008 09:51:59; Dark ; 41.0; 31; Alp Gru ; 1.73; 15200;occ; 82; 0;32440
19; 6127.0; 14-MAY-2008 09:53:50; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;32440
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21; 6678.3; 14-MAY-2008 10:03:01; Dark ; 37.0; 43; Alp TrA ; 1.91; 4250;occ; 74; 0;32440
22; 6809.3; 14-MAY-2008 10:05:12; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32440
23; 6913.0; 14-MAY-2008 10:06:56; Dark ; 48.0; 4; Alp1Cen ; -0.01; 5800;occ; 96; 0;32440
24; 7126.8; 14-MAY-2008 10:10:30; Dark ; 38.0; 78; Alp Lup ; 2.30; 28000;occ; 76; 0;32440
25; 7217.5; 14-MAY-2008 10:12:00; Dark ; 37.5; 81; Eta Cen ; 2.36; 28000;occ; 75; 0;32440
26; 7333.5; 14-MAY-2008 10:13:56; Dark ; 38.5; 54; 5The Cen ; 2.06; 4500;occ; 77; 0;32440
27; 7649.7; 14-MAY-2008 10:19:12; Bright; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;32440

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 3; 2221.9; 14-MAY-2008 10:29:20; Bright; 37.5; 111; 8Eta Boo ; 2.68; 6000;occ; 75; 0;32441
 4; 2574.2; 14-MAY-2008 10:35:13; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;32441
 5; 2745.8; 14-MAY-2008 10:38:04; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;32441
 6; 2841.1; 14-MAY-2008 10:39:40; Bright; 35.5; 55; 79Zet UMa ; 2.06; 10200;occ; 71; 0;32441
 7; 3054.5; 14-MAY-2008 10:43:13; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;32441
 8; 3185.7; 14-MAY-2008 10:45:24; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32441
 9; 3446.1; 14-MAY-2008 10:49:45; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;32441
 10; 3937.7; 14-MAY-2008 10:57:56; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;32441
 11; 4011.4; 14-MAY-2008 10:59:10; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;32441
 12; 4759.0; 14-MAY-2008 11:11:38; Dark ; 40.0; 140; 88Gam Peg ; 2.83; 26000;occ; 80; 0;32441
 13; 5282.8; 14-MAY-2008 11:20:21; Dark ; 42.0; 52; 16Bet Cet ; 2.04; 4500;occ; 84; 0;32441
 14; 5572.9; 14-MAY-2008 11:25:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32441
 15; 5691.5; 14-MAY-2008 11:27:10; Dark ; 46.0; 84; Alp Phe ; 2.40; 4500;occ; 92; 0;32441
 16; 5930.0; 14-MAY-2008 11:31:09; Dark ; 57.0; 63; Bet Gru ; 2.15; 2800;occ; 114; 0;32441
 17; 6016.7; 14-MAY-2008 11:32:35; Dark ; 41.0; 31; Alp Gru ; 1.73; 15200;occ; 82; 0;32441
 18; 6127.5; 14-MAY-2008 11:34:26; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;32441
 19; 6351.1; 14-MAY-2008 11:38:10; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32441
 20; 6678.6; 14-MAY-2008 11:43:37; Dark ; 45.0; 43; Alp TrA ; 1.91; 4250;occ; 90; 0;32441
 21; 6809.5; 14-MAY-2008 11:45:48; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;32441
 22; 6913.1; 14-MAY-2008 11:47:32; Dark ; 44.0; 4; Alp1Cen ; -0.01; 5800;occ; 88; 0;32441
 23; 7127.1; 14-MAY-2008 11:51:06; Dark ; 37.0; 78; Alp Lup ; 2.30; 28000;occ; 74; 0;32441
 24; 7217.6; 14-MAY-2008 11:52:36; Dark ; 37.5; 81; Eta Cen ; 2.36; 28000;occ; 75; 0;32441
 25; 7333.6; 14-MAY-2008 11:54:32; Dark ; 41.0; 54; 5The Cen ; 2.06; 4500;occ; 82; 0;32441

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 3; 2125.4; 14-MAY-2008 12:08:20; Bright; 37.0; 138; 47Eps Vir ; 2.83; 4700;occ; 74; 0;32442
 4; 2222.1; 14-MAY-2008 12:09:57; Bright; 35.5; 111; 8Eta Boo ; 2.68; 6000;occ; 71; 0;32442
 5; 2574.1; 14-MAY-2008 12:15:49; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;32442
 6; 2745.8; 14-MAY-2008 12:18:40; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;32442
 7; 2841.1; 14-MAY-2008 12:20:16; Bright; 52.0; 55; 79Zet UMa ; 2.06; 10200;occ; 104; 0;32442
 8; 3054.8; 14-MAY-2008 12:23:49; Bright; 33.0; 36; 50Alp UMa ; 1.80; 6300;occ; 66; 0;32442
 9; 3185.6; 14-MAY-2008 12:26:00; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32442
 10; 3446.2; 14-MAY-2008 12:30:21; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32442
 11; 3937.7; 14-MAY-2008 12:38:32; Bright; 33.5; 76; 27Gam Cas ; 2.30; 30000;occ; 67; 0;32442
 12; 4011.5; 14-MAY-2008 12:39:46; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;32442
 13; 4759.3; 14-MAY-2008 12:52:14; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;32442
 14; 5283.1; 14-MAY-2008 13:00:58; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32442
 15; 5573.1; 14-MAY-2008 13:05:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32442
 16; 5691.8; 14-MAY-2008 13:07:46; Dark ; 42.0; 84; Alp Phe ; 2.40; 4500;occ; 84; 0;32442
 17; 5930.6; 14-MAY-2008 13:11:45; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;32442
 18; 6017.4; 14-MAY-2008 13:13:12; Dark ; 35.0; 31; Alp Gru ; 1.73; 15200;occ; 70; 0;32442
 19; 6128.0; 14-MAY-2008 13:15:02; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;32442
 20; 6351.8; 14-MAY-2008 13:18:46; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32442
 21; 6678.9; 14-MAY-2008 13:24:13; Dark ; 41.5; 43; Alp TrA ; 1.91; 4250;occ; 83; 0;32442
 22; 6809.9; 14-MAY-2008 13:26:24; Dark ; 36.0; 134; Bet TrA ; 2.81; 6600;occ; 72; 0;32442
 23; 6913.4; 14-MAY-2008 13:28:08; Dark ; 43.5; 4; Alp1Cen ; -0.01; 5800;occ; 87; 0;32442
 24; 7127.4; 14-MAY-2008 13:31:42; Dark ; 39.0; 78; Alp Lup ; 2.30; 28000;occ; 78; 0;32442
 25; 7218.0; 14-MAY-2008 13:33:13; Dark ; 37.0; 81; Eta Cen ; 2.36; 28000;occ; 74; 0;32442
 26; 7333.8; 14-MAY-2008 13:35:08; Dark ; 41.0; 54; 5The Cen ; 2.06; 4500;occ; 82; 0;32442

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 3; 2125.8; 14-MAY-2008 13:48:56; Bright; 35.0; 138; 47Eps Vir ; 2.83; 4700;occ; 70; 0;32443
 4; 2222.2; 14-MAY-2008 13:50:33; Bright; 34.0; 111; 8Eta Boo ; 2.68; 6000;occ; 68; 0;32443
 5; 2574.0; 14-MAY-2008 13:56:24; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;32443
 6; 2745.8; 14-MAY-2008 13:59:16; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;32443
 7; 2841.3; 14-MAY-2008 14:00:52; Bright; 35.0; 55; 79Zet UMa ; 2.06; 10200;occ; 70; 0;32443
 8; 3055.3; 14-MAY-2008 14:04:26; Bright; 33.0; 36; 50Alp UMa ; 1.80; 6300;occ; 66; 0;32443
 9; 3185.6; 14-MAY-2008 14:06:36; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32443
 10; 3446.2; 14-MAY-2008 14:10:57; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;32443
 11; 3937.8; 14-MAY-2008 14:19:08; Bright; 53.0; 76; 27Gam Cas ; 2.30; 30000;occ; 106; 0;32443
 12; 4011.6; 14-MAY-2008 14:20:22; Bright; 33.5; 68; 18Alp Cas ; 2.22; 4500;occ; 67; 0;32443
 13; 4760.0; 14-MAY-2008 14:32:50; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;32443
 14; 5283.5; 14-MAY-2008 14:41:34; Dark ; 42.0; 52; 16Bet Cet ; 2.04; 4500;occ; 84; 0;32443

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 16; 5692.3; 14-MAY-2008 14:48:23; Dark ; 41.0; 84; Alp Phe ; 2.40; 4500;occ; 82; 0;32443
 17; 5931.3; 14-MAY-2008 14:52:22; Dark ; 57.0; 63; Bet Gru ; 2.15; 2800;occ; 114; 0;32443
 18; 6018.2; 14-MAY-2008 14:53:49; Dark ; 35.0; 31; Alp Gru ; 1.73; 15200;occ; 70; 0;32443
 19; 6128.5; 14-MAY-2008 14:55:39; Dark ; 40.0; 148; Alp Tuc ; 2.88; 4100;occ; 80; 0;32443
 20; 6352.5; 14-MAY-2008 14:59:23; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32443
 21; 6679.2; 14-MAY-2008 15:04:50; Dark ; 40.0; 43; Alp TrA ; 1.91; 4250;occ; 80; 0;32443
 22; 6810.2; 14-MAY-2008 15:07:01; Dark ; 36.5; 134; Bet TrA ; 2.81; 6600;occ; 73; 0;32443
 23; 6913.7; 14-MAY-2008 15:08:44; Dark ; 45.5; 4; Alp1Cen ; -0.01; 5800;occ; 91; 0;32443
 24; 7127.6; 14-MAY-2008 15:12:18; Dark ; 37.5; 78; Alp Lup ; 2.30; 28000;occ; 75; 0;32443
 25; 7218.2; 14-MAY-2008 15:13:49; Dark ; 36.5; 81; Eta Cen ; 2.36; 28000;occ; 73; 0;32443
 26; 7334.1; 14-MAY-2008 15:15:44; Dark ; 42.0; 54; 5The Cen ; 2.06; 4500;occ; 84; 0;32443

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 3; 1742.6; 14-MAY-2008 15:23:09; Bright; 37.5; 15; 67Alp Vir ; 0.98; 28000;occ; 75; 0;32444
 4; 2125.9; 14-MAY-2008 15:29:32; Bright; 34.5; 138; 47Eps Vir ; 2.83; 4700;occ; 69; 0;32444
 5; 2222.3; 14-MAY-2008 15:31:09; Bright; 34.5; 111; 8Eta Boo ; 2.68; 6000;occ; 69; 0;32444
 6; 2573.8; 14-MAY-2008 15:37:00; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;32444
 7; 2745.8; 14-MAY-2008 15:39:52; Bright; 33.5; 39; 85Eta UMa ; 1.85; 24000;occ; 67; 0;32444
 8; 2841.3; 14-MAY-2008 15:41:28; Bright; 33.0; 55; 79Zet UMa ; 2.06; 10200;occ; 66; 0;32444
 9; 3185.4; 14-MAY-2008 15:47:12; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32444
 10; 3446.3; 14-MAY-2008 15:51:33; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32444
 11; 3937.8; 14-MAY-2008 15:59:44; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;32444
 12; 4011.5; 14-MAY-2008 16:00:58; Bright; 41.0; 68; 18Alp Cas ; 2.22; 4500;occ; 82; 0;32444
 13; 4760.0; 14-MAY-2008 16:13:26; Dark ; 42.5; 140; 88Gam Peg ; 2.83; 26000;occ; 85; 0;32444
 14; 5283.7; 14-MAY-2008 16:22:10; Dark ; 43.5; 52; 16Bet Cet ; 2.04; 4500;occ; 87; 0;32444
 15; 5573.6; 14-MAY-2008 16:27:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32444
 16; 5692.5; 14-MAY-2008 16:28:59; Dark ; 39.5; 84; Alp Phe ; 2.40; 4500;occ; 79; 0;32444
 17; 5932.0; 14-MAY-2008 16:32:58; Dark ; 57.0; 63; Bet Gru ; 2.15; 2800;occ; 114; 0;32444
 18; 6019.0; 14-MAY-2008 16:34:25; Dark ; 30.0; 31; Alp Gru ; 1.73; 15200;occ; 60; 0;32444
 19; 6129.0; 14-MAY-2008 16:36:15; Dark ; 36.5; 148; Alp Tuc ; 2.88; 4100;occ; 73; 0;32444
 20; 6353.3; 14-MAY-2008 16:40:00; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32444
 21; 6679.6; 14-MAY-2008 16:45:26; Dark ; 38.5; 43; Alp TrA ; 1.91; 4250;occ; 77; 0;32444
 22; 6810.5; 14-MAY-2008 16:47:37; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32444
 23; 6913.9; 14-MAY-2008 16:49:20; Dark ; 41.5; 4; Alp1Cen ; -0.01; 5800;occ; 83; 0;32444
 24; 7127.8; 14-MAY-2008 16:52:54; Dark ; 37.0; 78; Alp Lup ; 2.30; 28000;occ; 74; 0;32444
 25; 7218.5; 14-MAY-2008 16:54:25; Dark ; 37.5; 81; Eta Cen ; 2.36; 28000;occ; 75; 0;32444

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 3; 1614.5; 14-MAY-2008 17:01:37; Bright; 38.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 77; 0;32445
 4; 1742.8; 14-MAY-2008 17:03:45; Bright; 38.5; 15; 67Alp Vir ; 0.98; 28000;occ; 77; 0;32445
 5; 2126.2; 14-MAY-2008 17:10:08; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;32445
 6; 2222.2; 14-MAY-2008 17:11:45; Bright; 35.0; 111; 8Eta Boo ; 2.68; 6000;occ; 70; 0;32445
 7; 2573.6; 14-MAY-2008 17:17:36; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;32445
 8; 2745.7; 14-MAY-2008 17:20:28; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;32445
 9; 2841.2; 14-MAY-2008 17:22:04; Bright; 36.0; 55; 79Zet UMa ; 2.06; 10200;occ; 72; 0;32445
 10; 3185.3; 14-MAY-2008 17:27:48; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;32445
 11; 3446.1; 14-MAY-2008 17:32:08; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32445
 12; 3937.9; 14-MAY-2008 17:40:20; Bright; 53.0; 76; 27Gam Cas ; 2.30; 30000;occ; 106; 0;32445
 13; 4011.6; 14-MAY-2008 17:41:34; Bright; 34.0; 68; 18Alp Cas ; 2.22; 4500;occ; 68; 0;32445
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12; 1303.9; 16-MAY-2008 22:35:36; Dark ; 42.5; 54; 5The Cen ; 2.06; 4500;occ; 85; 0;32477
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14; 1748.9; 16-MAY-2008 22:43:01; Bright; 37.0; 15; 67Alp Vir ; 0.98; 28000;occ; 74; 0;32477
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17; 2745.4; 17-MAY-2008 00:40:13; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;32478
18; 2843.0; 17-MAY-2008 00:41:51; Bright; 35.5; 55; 79Zet UMa ; 2.06; 10200;occ; 71; 0;32478
19; 3181.0; 17-MAY-2008 00:47:29; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32478
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6; -89.2; 16-MAY-2008 07:07:00; Dark ; 45.5; 63; Bet Gru ; 2.15; 2800;occ; 91; 0;32467
7; 104.1; 16-MAY-2008 07:10:13; Dark ; 46.0; 148; Alp Tuc ; 2.88; 4100;occ; 92; 0;32468
8; 333.5; 16-MAY-2008 07:14:02; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32468
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13; 1187.3; 16-MAY-2008 07:28:16; Dark ; 37.5; 81; Eta Cen ; 2.36; 28000;occ; 75; 0;32468
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 3; 2223.5; 16-MAY-2008 07:45:32; Bright; 34.0; 111; 8Eta Boo ; 2.68; 6000;occ; 68; 0;32468
 4; 2569.7; 16-MAY-2008 07:51:18; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;32468
 5; 2745.5; 16-MAY-2008 07:54:14; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;32468
 6; 2842.5; 16-MAY-2008 07:55:51; Bright; 35.5; 55; 79Zet UMa ; 2.06; 10200;occ; 71; 0;32468
 7; 3182.3; 16-MAY-2008 08:01:31; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32468
 8; 3446.2; 16-MAY-2008 08:05:55; Bright; 32.0; 49; 1Alp UMi ; 1.99; 6300;occ; 64; 0;32468
 9; 3938.1; 16-MAY-2008 08:14:07; Bright; 53.0; 76; 27Gam Cas ; 2.30; 30000;occ; 106; 0;32468
10; 4011.7; 16-MAY-2008 08:15:20; Bright; 53.0; 68; 18Alp Cas ; 2.22; 4500;occ; 106; 0;32468
11; 5291.3; 16-MAY-2008 08:36:40; Dark ; 42.5; 52; 16Bet Cet ; 2.04; 4500;occ; 85; 0;32468
12; 5578.6; 16-MAY-2008 08:41:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32468
13; 5699.7; 16-MAY-2008 08:43:28; Dark ; 41.5; 84; Alp Phe ; 2.40; 4500;occ; 83; 0;32468
14; 5947.4; 16-MAY-2008 08:47:36; Dark ; 46.0; 63; Bet Gru ; 2.15; 2800;occ; 92; 0;32468
15; 6140.5; 16-MAY-2008 08:50:49; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;32468
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17; 6686.7; 16-MAY-2008 08:59:56; Dark ; 39.0; 43; Alp TrA ; 1.91; 4250;occ; 78; 0;32468
18; 6817.2; 16-MAY-2008 09:02:06; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32468
19; 6918.0; 16-MAY-2008 09:03:47; Dark ; 50.0; 4; Alp1Cen ;-0.01; 5800;occ; 100; 0;32468
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22; 7338.5; 16-MAY-2008 09:10:47; Dark ; 41.0; 54; 5The Cen ; 2.06; 4500;occ; 82; 0;32468
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 3; 2223.7; 16-MAY-2008 09:26:08; Bright; 36.0; 111; 8Eta Boo ; 2.68; 6000;occ; 72; 0;32469
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12; 5578.8; 16-MAY-2008 10:22:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32469
13; 5700.0; 16-MAY-2008 10:24:05; Dark ; 41.5; 84; Alp Phe ; 2.40; 4500;occ; 83; 0;32469
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19; 6918.2; 16-MAY-2008 10:44:23; Dark ; 40.5; 4; Alp1Cen ;-0.01; 5800;occ; 81; 0;32469
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 23; 7077.7; 17-MAY-2008 15:17:13; Dark ; 35.0; 25; 35Lam Sco ; 1.62; 28000;occ; 70; 0;32486
 24; 7213.3; 17-MAY-2008 15:19:29; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;32486
 25; 7395.2; 17-MAY-2008 15:22:31; Dark ; 18.0; 16; 21Alp Sco ; 1.02; 3000;occ; 36; 0;32486

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 8; 2567.1; 17-MAY-2008 15:42:38; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;32487
 9; 2745.6; 17-MAY-2008 15:45:37; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;32487
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 11; 3180.2; 17-MAY-2008 15:52:51; Bright; 33.5; 60; 7Bet UMi ; 2.08; 3950;occ; 67; 0;32487
 12; 3446.4; 17-MAY-2008 15:57:18; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32487
 13; 3938.4; 17-MAY-2008 16:05:30; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;32487
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 16; 4772.9; 17-MAY-2008 16:19:24; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;32487
 17; 5297.7; 17-MAY-2008 16:28:09; Dark ; 42.0; 52; 16Bet Cet ; 2.04; 4500;occ; 84; 0;32487
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 22; 6149.9; 17-MAY-2008 16:42:21; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;32487
 23; 6383.6; 17-MAY-2008 16:46:15; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32487
 24; 6809.2; 17-MAY-2008 16:53:21; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;32487
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 26; 7078.4; 17-MAY-2008 16:57:50; Dark ; 38.0; 25; 35Lam Sco ; 1.62; 28000;occ; 76; 0;32487
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 12; 3180.0; 17-MAY-2008 17:33:27; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32488
 13; 3446.5; 17-MAY-2008 17:37:54; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;32488

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 18; 5298.1; 17-MAY-2008 18:08:45; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;32488
 19; 5704.8; 17-MAY-2008 18:15:32; Dark ; 49.5; 18; 24Alp PsA ; 1.17; 9700;occ; 99; 0;32488
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 22; 6052.8; 17-MAY-2008 18:21:20; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;32488
 23; 6150.4; 17-MAY-2008 18:22:58; Dark ; 38.5; 148; Alp Tuc ; 2.88; 4100;occ; 77; 0;32488
 24; 6384.3; 17-MAY-2008 18:26:52; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32488
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 3; 1178.2; 17-MAY-2008 18:40:42; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;32489
 4; 1359.9; 17-MAY-2008 18:43:43; Dark ; 58.0; 16; 21Alp Sco ; 1.02; 3000;occ; 116; 0;32489
 5; 1512.3; 17-MAY-2008 18:46:16; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;32489
 6; 1620.0; 17-MAY-2008 18:48:03; Bright; 36.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 73; 0;32489
 7; 1729.1; 17-MAY-2008 18:49:52; Bright; 39.0; 104; 27Bet Lib ; 2.61; 13100;occ; 78; 0;32489
 8; 2039.8; 17-MAY-2008 18:55:03; Bright; 42.0; 102; 24Alp Ser ; 2.60; 4250;occ; 84; 0;32489
 9; 2234.5; 17-MAY-2008 18:58:18; Bright; 36.0; 3; 16Alp Boo ; -0.05; 4250;occ; 72; 0;32489
 10; 2378.2; 17-MAY-2008 19:00:42; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;32489
 11; 2566.8; 17-MAY-2008 19:03:50; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;32489
 12; 2745.7; 17-MAY-2008 19:06:49; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;32489
 13; 3078.6; 17-MAY-2008 19:12:22; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;32489
 14; 3180.0; 17-MAY-2008 19:14:03; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32489
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 16; 3938.4; 17-MAY-2008 19:26:42; Bright; 33.5; 76; 27Gam Cas ; 2.30; 30000;occ; 67; 0;32489
 17; 4011.7; 17-MAY-2008 19:27:55; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;32489
 18; 4519.8; 17-MAY-2008 19:36:23; Dark ; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;32489
 19; 4773.2; 17-MAY-2008 19:40:37; Dark ; 42.5; 140; 88Gam Peg ; 2.83; 26000;occ; 85; 0;32489
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 21; 5705.6; 17-MAY-2008 19:56:09; Dark ; 49.5; 18; 24Alp PsA ; 1.17; 9700;occ; 99; 0;32489
 22; 5812.4; 17-MAY-2008 19:57:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32489
 23; 5961.3; 17-MAY-2008 20:00:25; Dark ; 47.5; 63; Bet Gru ; 2.15; 2800;occ; 95; 0;32489
 24; 6053.5; 17-MAY-2008 20:01:57; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;32489
 25; 6150.8; 17-MAY-2008 20:03:34; Dark ; 41.0; 148; Alp Tuc ; 2.88; 4100;occ; 82; 0;32489
 26; 6385.0; 17-MAY-2008 20:07:28; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32489
 27; 6810.0; 17-MAY-2008 20:14:33; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;32489

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 5; 20.0; 18-MAY-2008 01:03:47; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;32493
 6; 116.3; 18-MAY-2008 01:05:23; Dark ; 40.0; 148; Alp Tuc ; 2.88; 4100;occ; 80; 0;32493
 7; 351.0; 18-MAY-2008 01:09:18; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32493
 8; 775.5; 18-MAY-2008 01:16:22; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;32493
 9; 933.6; 18-MAY-2008 01:19:01; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;32493
 10; 1045.4; 18-MAY-2008 01:20:52; Dark ; 45.0; 25; 35Lam Sco ; 1.62; 28000;occ; 90; 0;32493
 11; 1179.9; 18-MAY-2008 01:23:07; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;32493
 12; 1360.9; 18-MAY-2008 01:26:08; Dark ; 64.0; 16; 21Alp Sco ; 1.02; 3000;occ; 128; 0;32493
 13; 1513.0; 18-MAY-2008 01:28:40; Bright; 44.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 89; 0;32493
 14; 1620.6; 18-MAY-2008 01:30:28; Bright; 37.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 74; 0;32493
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 16; 2038.7; 18-MAY-2008 01:37:26; Bright; 42.5; 102; 24Alp Ser ; 2.60; 4250;occ; 85; 0;32493
 17; 2234.4; 18-MAY-2008 01:40:41; Bright; 35.0; 3; 16Alp Boo ; -0.05; 4250;occ; 70; 0;32493
 18; 2377.4; 18-MAY-2008 01:43:04; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;32493
 19; 2566.3; 18-MAY-2008 01:46:13; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;32493
 20; 2745.6; 18-MAY-2008 01:49:13; Bright; 33.5; 39; 85Eta UMa ; 1.85; 24000;occ; 67; 0;32493
 21; 3076.8; 18-MAY-2008 01:54:44; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32493
 22; 3179.4; 18-MAY-2008 01:56:26; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32493
 23; 3446.3; 18-MAY-2008 02:00:53; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;32493

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11; 351.9; 18-MAY-2008 02:49:55; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32494
12; 776.1; 18-MAY-2008 02:56:59; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;32494
13; 934.3; 18-MAY-2008 02:59:37; Dark ; 51.0; 40; The Sco ; 1.86; 7100;occ; 102; 0;32494
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21; 2234.5; 18-MAY-2008 03:21:17; Bright; 35.5; 3; 16Alp Boo ; -0.05; 4250;occ; 71; 0;32494
22; 2377.5; 18-MAY-2008 03:23:40; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32494
23; 2566.3; 18-MAY-2008 03:26:49; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;32494
24; 2745.7; 18-MAY-2008 03:29:49; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;32494
25; 3076.4; 18-MAY-2008 03:35:19; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32494
26; 3179.3; 18-MAY-2008 03:37:02; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32494
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23; 2566.1; 18-MAY-2008 05:07:25; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;32495
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16; 5816.6; 18-MAY-2008 11:03:23; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32498
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24; 7218.4; 18-MAY-2008 11:26:45; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;32498
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3; 2234.6; 18-MAY-2008 11:44:17; Bright; 36.5; 3; 16Alp Boo ;-0.05; 4250;occ; 73; 0;32499
4; 2376.7; 18-MAY-2008 11:46:39; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;32499
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6; 2745.8; 18-MAY-2008 11:52:48; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;32499
7; 3074.1; 18-MAY-2008 11:58:17; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;32499
8; 3178.8; 18-MAY-2008 12:00:01; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;32499
9; 3446.3; 18-MAY-2008 12:04:29; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32499
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22; 6973.7; 18-MAY-2008 13:03:16; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;32499
23; 7085.5; 18-MAY-2008 13:05:08; Dark ; 54.0; 25; 35Lam Sco ; 1.62; 28000;occ; 108; 0;32499
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25; 7398.8; 18-MAY-2008 13:10:21; Dark ; 53.0; 16; 21Alp Sco ; 1.02; 3000;occ; 106; 0;32499

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3; 2234.7; 18-MAY-2008 13:24:53; Bright; 35.0; 3; 16Alp Boo ;-0.05; 4250;occ; 70; 0;32500
4; 2376.5; 18-MAY-2008 13:27:15; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;32500
5; 2565.5; 18-MAY-2008 13:30:24; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;32500
6; 2745.9; 18-MAY-2008 13:33:24; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;32500
7; 3073.7; 18-MAY-2008 13:38:52; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;32500
8; 3178.6; 18-MAY-2008 13:40:37; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;32500
9; 3446.5; 18-MAY-2008 13:45:05; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32500
10; 3938.3; 18-MAY-2008 13:53:17; Bright; 33.5; 76; 27Gam Cas ; 2.30; 30000;occ; 67; 0;32500
11; 4011.4; 18-MAY-2008 13:54:30; Bright; 34.0; 68; 18Alp Cas ; 2.22; 4500;occ; 68; 0;32500
12; 4521.7; 18-MAY-2008 14:03:00; Dark ; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;32500
13; 4777.2; 18-MAY-2008 14:07:16; Dark ; 41.5; 140; 88Gam Peg ; 2.83; 26000;occ; 83; 0;32500
14; 5302.2; 18-MAY-2008 14:16:01; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;32500
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 7; 2745.9; 18-MAY-2008 15:14:00; Bright; 34.0; 39; 85Eta UMa ; 1.85; 24000;occ; 68; 0;32501
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10; 3446.6; 18-MAY-2008 15:25:41; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32501
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17; 5818.2; 18-MAY-2008 16:05:13; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;32501
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19; 6815.9; 18-MAY-2008 16:21:50; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;32501
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21; 7086.8; 18-MAY-2008 16:26:21; Dark ; 50.5; 25; 35Lam Sco ; 1.62; 28000;occ; 101; 0;32501
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 5; 2036.7; 18-MAY-2008 16:42:47; Bright; 41.5; 102; 24Alp Ser ; 2.60; 4250;occ; 83; 0;32502
 6; 2234.8; 18-MAY-2008 16:46:05; Bright; 34.5; 3; 16Alp Boo ;-0.05; 4250;occ; 69; 0;32502
 7; 2376.2; 18-MAY-2008 16:48:27; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;32502
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 9; 2746.1; 18-MAY-2008 16:54:36; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;32502
10; 3072.8; 18-MAY-2008 17:00:03; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32502
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23; 6816.5; 18-MAY-2008 18:02:27; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;32502
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 5; 1729.8; 18-MAY-2008 18:18:16; Bright; 39.0; 104; 27Bet Lib ; 2.61; 13100;occ; 78; 0;32503
 6; 2036.5; 18-MAY-2008 18:23:23; Bright; 41.5; 102; 24Alp Ser ; 2.60; 4250;occ; 83; 0;32503
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 8; 2376.1; 18-MAY-2008 18:29:02; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;32503
 9; 2565.2; 18-MAY-2008 18:32:12; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;32503
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6; 360.8; 19-MAY-2008 00:37:51; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;32507
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19; 2746.0; 19-MAY-2008 02:58:12; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;32508
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21; 3177.8; 19-MAY-2008 03:05:24; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;32508
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19;	2035.3;	19-MAY-2008	04:26:57;	Bright;	;	43.0;	102;	24Alp Ser	;	2.60;	4250;occ;	86;	0;	32509
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17;	2035.0;	19-MAY-2008	06:07:33;	Bright;	;	42.5;	102;	24Alp Ser	;	2.60;	4250;occ;	85;	0;	32510
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23;	3177.7;	19-MAY-2008	06:26:36;	Bright;	;	38.0;	60;	7Bet UMi	;	2.08;	3950;occ;	76;	0;	32510
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7;	1731.0;	19-MAY-2008	21:07:52;	Bright;	;	38.0;	104;	27Bet Lib	;	2.61;	13100;occ;	76;	0;	32519
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9; 34.2; 19-MAY-2008 07:14:48; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;32511
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11; 784.3; 19-MAY-2008 07:27:18; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;32511

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12; 4781.1; 19-MAY-2008 11:55:07; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;32513

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 23; 7094.3; 19-MAY-2008 14:14:16; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;32514
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13; 3065.8; 19-MAY-2008 19:49:31; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;32518
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 17; 2373.9; 20-MAY-2008 02:20:23; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;32522
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 9; 44.0; 20-MAY-2008 03:22:09; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;32523
 10; 372.2; 20-MAY-2008 03:27:37; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32523
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23; 2746.9; 20-MAY-2008 05:47:48; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;32524
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 16; 5313.2; 20-MAY-2008 14:53:34; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32529
 17; 5741.5; 20-MAY-2008 15:00:42; Dark ; 53.0; 18; 24Alp PsA ; 1.17; 9700;occ; 106; 0;32529
 18; 5832.0; 20-MAY-2008 15:02:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32529
 19; 5988.8; 20-MAY-2008 15:04:49; Dark ; 56.5; 63; Bet Gru ; 2.15; 2800;occ; 113; 0;32529
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 21; 6413.2; 20-MAY-2008 15:11:54; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32529
 22; 6829.3; 20-MAY-2008 15:18:50; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;32529
 23; 6991.7; 20-MAY-2008 15:21:32; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;32529
 24; 7103.1; 20-MAY-2008 15:23:23; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;32529
 25; 7231.3; 20-MAY-2008 15:25:32; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;32529
 26; 7407.4; 20-MAY-2008 15:28:28; Dark ; 18.0; 16; 21Alp Sco ; 1.02; 3000;occ; 36; 0;32529

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 9; 2747.3; 20-MAY-2008 15:51:24; Bright; 34.0; 39; 85Eta UMa ; 1.85; 24000;occ; 68; 0;32530
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 11; 3175.8; 20-MAY-2008 15:58:32; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32530
 12; 3446.8; 20-MAY-2008 16:03:03; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32530
 13; 3938.1; 20-MAY-2008 16:11:14; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;32530
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 7; 2235.8; 20-MAY-2008 17:23:28; Bright; 35.0; 3; 16Alp Boo ; -0.05; 4250;occ; 70; 0;32531
 8; 2373.2; 20-MAY-2008 17:25:46; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;32531
 9; 2562.5; 20-MAY-2008 17:28:55; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;32531
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 11; 3060.5; 20-MAY-2008 17:37:13; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32531
 12; 3175.7; 20-MAY-2008 17:39:08; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;32531
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 23; 6414.7; 20-MAY-2008 18:33:07; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32531
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3; -200.8; 21-MAY-2008 01:05:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32535
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7; 796.0; 21-MAY-2008 01:22:28; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;32536
8; 959.1; 21-MAY-2008 01:25:11; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;32536
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16; 2236.0; 21-MAY-2008 01:46:28; Bright; 36.0; 3; 16Alp Boo ; -0.05; 4250;occ; 72; 0;32536
17; 2372.5; 21-MAY-2008 01:48:44; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;32536
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19; 2747.5; 21-MAY-2008 01:54:59; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;32536
20; 3058.4; 21-MAY-2008 02:00:10; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32536
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21; 2237.2; 22-MAY-2008 06:16:40; Bright; 35.0; 3; 16Alp Boo ;-0.05; 4250;occ; 70; 0;32553
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24; 3051.5; 22-MAY-2008 06:30:14; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32553
25; 3173.6; 22-MAY-2008 06:32:16; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32553
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14; 1204.9; 22-MAY-2008 07:40:04; Dark ; 45.0; 75; 26Eps Sco ; 2.29; 4250;occ; 90; 0;32554
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16; 1523.1; 22-MAY-2008 07:45:22; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;32554
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10; 3937.5; 22-MAY-2008 08:25:36; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;32554
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13; 4795.6; 22-MAY-2008 08:39:54; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;32554
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 7; 3050.8; 22-MAY-2008 09:51:25; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32555
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 9; 3446.7; 22-MAY-2008 09:58:01; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;32555
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 22; 7117.4; 22-MAY-2008 10:59:12; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;32555
 23; 7241.5; 22-MAY-2008 11:01:16; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;32555
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4; 68.7; 23-MAY-2008 00:07:07; Dark ; 31.0; 172; Gam Gru ; 3.00; 13100;occ; 62; 0;32564
5; 152.6; 23-MAY-2008 00:08:31; Dark ; 41.5; 148; Alp Tuc ; 2.88; 4100;occ; 83; 0;32564
6; 401.1; 23-MAY-2008 00:12:39; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32564
7; 808.6; 23-MAY-2008 00:19:27; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;32564
8; 974.7; 23-MAY-2008 00:22:13; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;32564
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11; 1380.4; 23-MAY-2008 00:28:58; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32564
12; 1524.5; 23-MAY-2008 00:31:22; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;32564
13; 1630.6; 23-MAY-2008 00:33:09; Bright; 35.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 70; 0;32564
14; 1734.4; 23-MAY-2008 00:34:52; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32564
15; 1840.8; 23-MAY-2008 00:36:39; Bright; 44.0; 120; 1Del Oph ; 2.73; 3200;occ; 88; 0;32564
16; 2025.4; 23-MAY-2008 00:39:43; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32564
17; 2370.5; 23-MAY-2008 00:45:28; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;32564
18; 2560.4; 23-MAY-2008 00:48:38; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;32564
19; 3047.1; 23-MAY-2008 00:56:45; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32564
20; 3172.7; 23-MAY-2008 00:58:51; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32564
21; 3446.7; 23-MAY-2008 01:03:25; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;32564
22; 3937.1; 23-MAY-2008 01:11:35; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;32564

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25; 4532.6; 23-MAY-2008 01:21:31; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;32564
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 3; 1841.7; 22-MAY-2008 12:52:28; Bright; 44.0; 120; 1Del Oph ; 2.73; 3200;occ; 88; 0;32557
 4; 2026.5; 22-MAY-2008 12:55:33; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32557
 5; 2237.5; 22-MAY-2008 12:59:04; Bright; 34.5; 3; 16Alp Boo ; -0.05; 4250;occ; 69; 0;32557
 6; 2371.0; 22-MAY-2008 13:01:17; Bright; 34.5; 83; ; 2.38; 11000;occ; 69; 0;32557
 7; 2560.9; 22-MAY-2008 13:04:27; Bright; 33.5; 180; 27Gam Boo ; 3.04; 8000;occ; 67; 0;32557
 8; 3050.0; 22-MAY-2008 13:12:36; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32557
 9; 3173.3; 22-MAY-2008 13:14:40; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32557
10; 3446.8; 22-MAY-2008 13:19:13; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;32557
11; 3937.5; 22-MAY-2008 13:27:24; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;32557
12; 4009.7; 22-MAY-2008 13:28:36; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;32557
13; 4531.4; 22-MAY-2008 13:37:18; Dark ; 43.0; 58; 21Alp And ; 2.07; 11000;occ; 86; 0;32557
14; 4796.5; 22-MAY-2008 13:41:43; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;32557
15; 5324.7; 22-MAY-2008 13:50:31; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;32557
16; 5846.7; 22-MAY-2008 13:59:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32557
17; 6009.2; 22-MAY-2008 14:01:56; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;32557
18; 6097.6; 22-MAY-2008 14:03:24; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;32557
19; 6185.6; 22-MAY-2008 14:04:52; Dark ; 40.0; 148; Alp Tuc ; 2.88; 4100;occ; 80; 0;32557
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21; 6842.0; 22-MAY-2008 14:15:48; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;32557
22; 7007.5; 22-MAY-2008 14:18:34; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;32557
23; 7118.3; 22-MAY-2008 14:20:25; Dark ; 47.0; 25; 35Lam Sco ; 1.62; 28000;occ; 94; 0;32557
24; 7242.3; 22-MAY-2008 14:22:29; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;32557
25; 7414.9; 22-MAY-2008 14:25:21; Dark ; 57.0; 16; 21Alp Sco ; 1.02; 3000;occ; 114; 0;32557
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 3; 1734.0; 22-MAY-2008 14:31:16; Bright; 36.0; 104; 27Bet Lib ; 2.61; 13100;occ; 72; 0;32558
 4; 1841.7; 22-MAY-2008 14:33:04; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;32558
 5; 2026.5; 22-MAY-2008 14:36:09; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32558
 6; 2370.9; 22-MAY-2008 14:41:53; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32558
 7; 2560.8; 22-MAY-2008 14:45:03; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;32558
 8; 3049.6; 22-MAY-2008 14:53:12; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32558
 9; 3173.3; 22-MAY-2008 14:55:16; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32558
10; 3446.8; 22-MAY-2008 14:59:49; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32558
11; 3937.5; 22-MAY-2008 15:08:00; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32558
12; 4009.7; 22-MAY-2008 15:09:12; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;32558
13; 4531.9; 22-MAY-2008 15:17:54; Dark ; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;32558
14; 4797.1; 22-MAY-2008 15:22:19; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;32558
15; 5325.3; 22-MAY-2008 15:31:08; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32558
16; 5847.3; 22-MAY-2008 15:39:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32558
17; 6009.9; 22-MAY-2008 15:42:32; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;32558
18; 6098.8; 22-MAY-2008 15:44:01; Dark ; 39.0; 172; Gam Gru ; 3.00; 13100;occ; 78; 0;32558
19; 6186.2; 22-MAY-2008 15:45:29; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;32558
20; 6433.7; 22-MAY-2008 15:49:36; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32558
21; 6842.5; 22-MAY-2008 15:56:25; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;32558
22; 7008.1; 22-MAY-2008 15:59:10; Dark ; 44.0; 40; The Sco ; 1.86; 7100;occ; 88; 0;32558
23; 7119.0; 22-MAY-2008 16:01:01; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;32558
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 3; 1630.0; 22-MAY-2008 16:10:08; Bright; 36.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 73; 0;32559
 4; 1734.0; 22-MAY-2008 16:11:52; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32559
 5; 1841.4; 22-MAY-2008 16:13:40; Bright; 45.5; 120; 1Del Oph ; 2.73; 3200;occ; 91; 0;32559
 6; 2026.3; 22-MAY-2008 16:16:45; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32559
 7; 2370.8; 22-MAY-2008 16:22:29; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;32559
 8; 2560.8; 22-MAY-2008 16:25:39; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;32559
 9; 3049.2; 22-MAY-2008 16:33:47; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32559
10; 3173.2; 22-MAY-2008 16:35:51; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32559
11; 3446.8; 22-MAY-2008 16:40:25; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32559

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 13; 4009.6; 22-MAY-2008 16:49:48; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;32559
 14; 4532.0; 22-MAY-2008 16:58:30; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;32559
 15; 4797.3; 22-MAY-2008 17:02:56; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;32559
 16; 5325.6; 22-MAY-2008 17:11:44; Dark ; 46.5; 52; 16Bet Cet ; 2.04; 4500;occ; 93; 0;32559
 17; 5847.8; 22-MAY-2008 17:20:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32559
 18; 6010.7; 22-MAY-2008 17:23:09; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;32559
 19; 6099.9; 22-MAY-2008 17:24:38; Dark ; 39.0; 172; Gam Gru ; 3.00; 13100;occ; 78; 0;32559
 20; 6186.7; 22-MAY-2008 17:26:05; Dark ; 40.0; 148; Alp Tuc ; 2.88; 4100;occ; 80; 0;32559
 21; 6434.5; 22-MAY-2008 17:30:13; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32559
 22; 6843.0; 22-MAY-2008 17:37:01; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;32559
 23; 7008.7; 22-MAY-2008 17:39:47; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;32559

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 4; 1379.5; 22-MAY-2008 17:46:34; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32560
 5; 1524.0; 22-MAY-2008 17:48:58; Bright; 43.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 87; 0;32560
 6; 1629.9; 22-MAY-2008 17:50:44; Bright; 37.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 74; 0;32560
 7; 1734.1; 22-MAY-2008 17:52:28; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32560
 8; 1841.3; 22-MAY-2008 17:54:16; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;32560
 9; 2026.1; 22-MAY-2008 17:57:20; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;32560
 10; 2370.8; 22-MAY-2008 18:03:05; Bright; 34.5; 83; ; 2.38; 11000;occ; 69; 0;32560
 11; 2560.6; 22-MAY-2008 18:06:15; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;32560
 12; 3048.8; 22-MAY-2008 18:14:23; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32560
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 18; 4797.6; 22-MAY-2008 18:43:32; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;32560
 19; 5326.0; 22-MAY-2008 18:52:20; Dark ; 46.0; 52; 16Bet Cet ; 2.04; 4500;occ; 92; 0;32560
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 21; 6011.4; 22-MAY-2008 19:03:46; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;32560
 22; 6101.1; 22-MAY-2008 19:05:15; Dark ; 35.0; 172; Gam Gru ; 3.00; 13100;occ; 70; 0;32560
 23; 6187.2; 22-MAY-2008 19:06:41; Dark ; 40.5; 148; Alp Tuc ; 2.88; 4100;occ; 81; 0;32560
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 25; 6843.4; 22-MAY-2008 19:17:38; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;32560
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 6; 1630.1; 22-MAY-2008 19:31:20; Bright; 36.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 73; 0;32561
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 9; 2026.0; 22-MAY-2008 19:37:56; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32561
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 21; 6012.0; 22-MAY-2008 20:44:22; Dark ; 55.5; 63; Bet Gru ; 2.15; 2800;occ; 111; 0;32561
 22; 6102.2; 22-MAY-2008 20:45:52; Dark ; 35.0; 172; Gam Gru ; 3.00; 13100;occ; 70; 0;32561
 23; 6187.7; 22-MAY-2008 20:47:18; Dark ; 38.0; 148; Alp Tuc ; 2.88; 4100;occ; 76; 0;32561
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4; 69.8; 23-MAY-2008 01:47:44; Dark ; 27.0; 172; Gam Gru ; 3.00; 13100;occ; 54; 0;32565
5; 153.3; 23-MAY-2008 01:49:07; Dark ; 40.5; 148; Alp Tuc ; 2.88; 4100;occ; 81; 0;32565
6; 401.9; 23-MAY-2008 01:53:16; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32565
7; 809.1; 23-MAY-2008 02:00:03; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;32565
8; 975.3; 23-MAY-2008 02:02:49; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;32565
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19; 3046.8; 23-MAY-2008 02:37:21; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32565
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9; 71.1; 23-MAY-2008 03:28:21; Dark ; 27.0; 172; Gam Gru ; 3.00; 13100;occ; 54; 0;32566
10; 154.0; 23-MAY-2008 03:29:44; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;32566
11; 402.7; 23-MAY-2008 03:33:52; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32566
12; 809.6; 23-MAY-2008 03:40:39; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;32566
13; 976.0; 23-MAY-2008 03:43:26; Dark ; 46.0; 40; The Sco ; 1.86; 7100;occ; 92; 0;32566
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15; 3936.7; 23-MAY-2008 21:18:46; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;32576
16; 4008.7; 23-MAY-2008 21:19:58; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;32576
17; 4382.2; 23-MAY-2008 21:26:11; Bright; 37.0; 53; 43Bet And ; 2.05; 3300;occ; 74; 0;32576
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 6; 410.4; 23-MAY-2008 22:00:36; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32577
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 8; 981.8; 23-MAY-2008 22:10:07; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;32577
 9; 1092.4; 23-MAY-2008 22:11:58; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;32577
10; 1213.4; 23-MAY-2008 22:13:59; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;32577
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12; 1526.6; 23-MAY-2008 22:19:12; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;32577
13; 1638.5; 23-MAY-2008 22:21:04; Bright; 30.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 60; 0;32577
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19; 3042.3; 23-MAY-2008 22:44:27; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32577
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22; 3936.7; 23-MAY-2008 22:59:22; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;32577
23; 4008.6; 23-MAY-2008 23:00:34; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;32577
24; 4382.3; 23-MAY-2008 23:06:47; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;32577
25; 4534.8; 23-MAY-2008 23:09:20; Dark ; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;32577
26; 4803.9; 23-MAY-2008 23:13:49; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32577
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 6; 411.1; 23-MAY-2008 23:41:12; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32578
 7; 814.8; 23-MAY-2008 23:47:56; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;32578
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 9; 1092.9; 23-MAY-2008 23:52:34; Dark ; 52.0; 25; 35Lam Sco ; 1.62; 28000;occ; 104; 0;32578
10; 1213.8; 23-MAY-2008 23:54:35; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;32578
11; 1384.0; 23-MAY-2008 23:57:25; Dark ; 52.0; 16; 21Alp Sco ; 1.02; 3000;occ; 104; 0;32578
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13; 1735.5; 24-MAY-2008 00:03:17; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32578
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15; 2023.5; 24-MAY-2008 00:08:04; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32578

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 19; 6440.7; 23-MAY-2008 08:35:42; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32568
 20; 6846.9; 23-MAY-2008 08:42:29; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;32568
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 23; 7246.4; 23-MAY-2008 08:49:08; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;32568
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 26; 7667.4; 23-MAY-2008 08:56:09; Bright; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;32568
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16; 5853.2; 23-MAY-2008 10:06:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32569
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 6; 2560.1; 23-MAY-2008 12:32:50; Bright; 34.0; 180; 27Gam Boo ; 3.04; 8000;occ; 68; 0;32571
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17; 5854.2; 23-MAY-2008 13:27:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32571
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19; 6120.8; 23-MAY-2008 13:32:10; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;32571
20; 6442.8; 23-MAY-2008 13:37:32; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32571
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12; 3043.1; 23-MAY-2008 19:23:16; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32575
13; 3172.0; 23-MAY-2008 19:25:25; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32575
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23; 6022.6; 23-MAY-2008 20:12:56; Dark ; 57.5; 63; Bet Gru ; 2.15; 2800;occ; 115; 0;32575
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26; 6850.0; 23-MAY-2008 20:26:43; Dark ; 39.0; 141; Bet Ara ; 2.84; 4600;occ; 78; 0;32575
27; 7017.2; 23-MAY-2008 20:29:30; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;32575
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 3; 815.9; 24-MAY-2008 03:09:09; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;32580
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 5; 1094.0; 24-MAY-2008 03:13:47; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;32580
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12; 2369.8; 24-MAY-2008 03:35:03; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;32580
13; 2560.0; 24-MAY-2008 03:38:13; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;32580
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12; 816.3; 24-MAY-2008 04:49:45; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;32581
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22; 2560.0; 24-MAY-2008 05:18:49; Bright; 34.0; 180; 27Gam Boo ; 3.04; 8000;occ; 68; 0;32581
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19; 1839.2; 24-MAY-2008 06:47:24; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;32582
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 5; 3040.0; 24-MAY-2008 08:48:01; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32583
 6; 3171.4; 24-MAY-2008 08:50:12; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32583
 7; 3688.4; 24-MAY-2008 08:58:49; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;32583
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 7; 3936.5; 24-MAY-2008 10:43:33; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32584
 8; 4008.4; 24-MAY-2008 10:44:45; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;32584
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23; 7253.5; 24-MAY-2008 16:40:38; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;32587
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2; 1386.7; 24-MAY-2008 16:43:27; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;32588
3; 1528.4; 24-MAY-2008 16:45:49; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;32588
4; 1736.4; 24-MAY-2008 16:49:17; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32588
5; 1838.8; 24-MAY-2008 16:50:59; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;32588
6; 2022.3; 24-MAY-2008 16:54:03; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32588

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7; 2369.5; 24-MAY-2008 16:59:50; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;32588
8; 3038.1; 24-MAY-2008 17:10:58; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32588
9; 3170.9; 24-MAY-2008 17:13:11; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32588
10; 3685.8; 24-MAY-2008 17:21:46; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;32588
11; 3936.3; 24-MAY-2008 17:25:57; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;32588
12; 4008.1; 24-MAY-2008 17:27:08; Bright; 38.5; 68; 18Alp Cas ; 2.22; 4500;occ; 77; 0;32588
13; 4383.7; 24-MAY-2008 17:33:24; Bright; 37.5; 53; 43Bet And ; 2.05; 3300;occ; 75; 0;32588
14; 4537.1; 24-MAY-2008 17:35:57; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;32588
15; 4808.2; 24-MAY-2008 17:40:28; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;32588
16; 5338.7; 24-MAY-2008 17:49:19; Dark ; 47.5; 52; 16Bet Cet ; 2.04; 4500;occ; 95; 0;32588
17; 5863.8; 24-MAY-2008 17:58:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32588
18; 6032.5; 24-MAY-2008 18:00:53; Dark ; 50.5; 63; Bet Gru ; 2.15; 2800;occ; 101; 0;32588
19; 6135.6; 24-MAY-2008 18:02:36; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;32588
20; 6454.8; 24-MAY-2008 18:07:55; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32588
21; 6855.7; 24-MAY-2008 18:14:36; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32588
22; 7024.2; 24-MAY-2008 18:17:24; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;32588
23; 7134.6; 24-MAY-2008 18:19:15; Dark ; 39.5; 25; 35Lam Sco ; 1.62; 28000;occ; 79; 0;32588

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2; 1217.9; 24-MAY-2008 18:21:14; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;32589
3; 1386.9; 24-MAY-2008 18:24:03; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;32589
4; 1528.5; 24-MAY-2008 18:26:25; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;32589
5; 1736.4; 24-MAY-2008 18:29:53; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;32589
6; 1838.7; 24-MAY-2008 18:31:35; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;32589
7; 2022.0; 24-MAY-2008 18:34:38; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32589
8; 2369.3; 24-MAY-2008 18:40:26; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;32589
9; 3037.6; 24-MAY-2008 18:51:34; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32589
10; 3170.8; 24-MAY-2008 18:53:47; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32589
11; 3685.2; 24-MAY-2008 19:02:21; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;32589
12; 3936.2; 24-MAY-2008 19:06:32; Bright; 34.0; 76; 27Gam Cas ; 2.30; 30000;occ; 68; 0;32589
13; 4008.0; 24-MAY-2008 19:07:44; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;32589
14; 4383.6; 24-MAY-2008 19:14:00; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;32589
15; 4537.0; 24-MAY-2008 19:16:33; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;32589
16; 4808.6; 24-MAY-2008 19:21:05; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;32589
17; 5339.0; 24-MAY-2008 19:29:55; Dark ; 46.5; 52; 16Bet Cet ; 2.04; 4500;occ; 93; 0;32589
18; 5864.4; 24-MAY-2008 19:38:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32589
19; 6033.2; 24-MAY-2008 19:41:29; Dark ; 55.0; 63; Bet Gru ; 2.15; 2800;occ; 110; 0;32589
20; 6136.3; 24-MAY-2008 19:43:13; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;32589
21; 6455.4; 24-MAY-2008 19:48:32; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32589
22; 6856.0; 24-MAY-2008 19:55:12; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;32589
23; 7024.6; 24-MAY-2008 19:58:01; Dark ; 26.5; 40; The Sco ; 1.86; 7100;occ; 53; 0;32589

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2; -169.9; 25-MAY-2008 00:40:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32592
3; -0.5; 25-MAY-2008 00:43:19; Dark ; 57.0; 63; Bet Gru ; 2.15; 2800;occ; 114; 0;32592
4; 103.0; 25-MAY-2008 00:45:03; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;32593
5; 421.6; 25-MAY-2008 00:50:21; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32593
6; 821.3; 25-MAY-2008 00:57:01; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;32593
7; 990.2; 25-MAY-2008 00:59:50; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;32593
8; 1100.5; 25-MAY-2008 01:01:40; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;32593
9; 1219.2; 25-MAY-2008 01:03:39; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;32593
10; 1387.7; 25-MAY-2008 01:06:28; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;32593
11; 1529.2; 25-MAY-2008 01:08:49; Bright; 39.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 79; 0;32593
12; 1736.9; 25-MAY-2008 01:12:17; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32593
13; 1838.2; 25-MAY-2008 01:13:58; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;32593
14; 2021.4; 25-MAY-2008 01:17:01; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32593
15; 2369.2; 25-MAY-2008 01:22:49; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;32593
16; 3036.2; 25-MAY-2008 01:33:56; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32593
17; 3170.5; 25-MAY-2008 01:36:10; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;32593
18; 3683.1; 25-MAY-2008 01:44:43; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;32593
19; 3935.9; 25-MAY-2008 01:48:56; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;32593
20; 4007.7; 25-MAY-2008 01:50:08; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;32593
21; 4384.1; 25-MAY-2008 01:56:24; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;32593
22; 4537.8; 25-MAY-2008 01:58:58; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;32593
23; 4810.0; 25-MAY-2008 02:03:30; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;32593

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2; -169.3; 25-MAY-2008 02:21:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32593

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4; 103.9; 25-MAY-2008 02:25:40; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;32594
5; 422.3; 25-MAY-2008 02:30:58; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32594
6; 821.8; 25-MAY-2008 02:37:37; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32594
7; 990.8; 25-MAY-2008 02:40:27; Dark ; 52.0; 40; The Sco ; 1.86; 7100;occ; 104; 0;32594
8; 1101.0; 25-MAY-2008 02:42:17; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;32594
9; 1219.6; 25-MAY-2008 02:44:15; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;32594
10; 1388.0; 25-MAY-2008 02:47:04; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;32594
11; 1529.4; 25-MAY-2008 02:49:25; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;32594
12; 1737.0; 25-MAY-2008 02:52:53; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;32594
13; 1838.2; 25-MAY-2008 02:54:34; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;32594
14; 2021.4; 25-MAY-2008 02:57:37; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;32594
15; 2369.2; 25-MAY-2008 03:03:25; Bright; 35.0; 83; ; 2.38; 11000;occ; 70; 0;32594
16; 3035.8; 25-MAY-2008 03:14:32; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32594
17; 3170.5; 25-MAY-2008 03:16:46; Bright; 33.0; 60; 7Bet UMi ; 2.08; 3950;occ; 66; 0;32594
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2; -2028.3; 25-MAY-2008 03:30:43; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;32594
3; -1651.7; 25-MAY-2008 03:37:00; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;32594
4; -1497.9; 25-MAY-2008 03:39:34; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;32594
5; -1225.5; 25-MAY-2008 03:44:06; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;32594
6; -694.6; 25-MAY-2008 03:52:57; Dark ; 45.5; 52; 16Bet Cet ; 2.04; 4500;occ; 91; 0;32594
7; -168.8; 25-MAY-2008 04:01:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32594
8; 1.2; 25-MAY-2008 04:04:33; Dark ; 59.5; 63; Bet Gru ; 2.15; 2800;occ; 119; 0;32595
9; 104.9; 25-MAY-2008 04:06:17; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;32595
10; 423.1; 25-MAY-2008 04:11:35; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32595
11; 822.3; 25-MAY-2008 04:18:14; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;32595
12; 991.5; 25-MAY-2008 04:21:03; Dark ; 47.0; 40; The Sco ; 1.86; 7100;occ; 94; 0;32595
13; 1101.6; 25-MAY-2008 04:22:53; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;32595
14; 1220.0; 25-MAY-2008 04:24:52; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;32595
15; 1388.4; 25-MAY-2008 04:27:40; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;32595
16; 1529.5; 25-MAY-2008 04:30:01; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;32595
17; 1737.2; 25-MAY-2008 04:33:29; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;32595
18; 1838.1; 25-MAY-2008 04:35:10; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;32595
19; 2021.5; 25-MAY-2008 04:38:13; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32595
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21; 3035.6; 25-MAY-2008 04:55:07; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32595
22; 3170.6; 25-MAY-2008 04:57:22; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32595
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2; 1106.5; 25-MAY-2008 21:08:58; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;32605
3; 1223.4; 25-MAY-2008 21:10:55; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;32605
4; 1351.5; 25-MAY-2008 21:13:03; Dark ; 43.5; 136; 23Tau Sco ; 2.82; 30000;occ; 87; 0;32605
5; 1531.0; 25-MAY-2008 21:16:02; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;32605
6; 1738.0; 25-MAY-2008 21:19:29; Bright; 36.5; 104; 27Bet Lib ; 2.61; 13100;occ; 73; 0;32605
7; 1837.4; 25-MAY-2008 21:21:09; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;32605
8; 2020.3; 25-MAY-2008 21:24:11; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;32605
9; 2369.1; 25-MAY-2008 21:30:00; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;32605
10; 3031.9; 25-MAY-2008 21:41:03; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32605
11; 3169.8; 25-MAY-2008 21:43:21; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;32605
12; 3676.5; 25-MAY-2008 21:51:48; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;32605
13; 3935.3; 25-MAY-2008 21:56:06; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32605
14; 4006.9; 25-MAY-2008 21:57:18; Bright; 56.0; 68; 18Alp Cas ; 2.22; 4500;occ; 112; 0;32605
15; 4385.4; 25-MAY-2008 22:03:37; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;32605
16; 4539.9; 25-MAY-2008 22:06:11; Dark ; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;32605
17; 4814.9; 25-MAY-2008 22:10:46; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;32605
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2; -162.4; 25-MAY-2008 22:28:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32605
3; 9.6; 25-MAY-2008 22:31:17; Dark ; 55.5; 63; Bet Gru ; 2.15; 2800;occ; 111; 0;32606
4; 114.4; 25-MAY-2008 22:33:01; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;32606
5; 430.7; 25-MAY-2008 22:38:18; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32606
6; 826.8; 25-MAY-2008 22:44:54; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32606
7; 1052.9; 25-MAY-2008 22:48:40; Dark ; 25.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 50; 0;32606
8; 1107.0; 25-MAY-2008 22:49:34; Dark ; 47.5; 25; 35Lam Sco ; 1.62; 28000;occ; 95; 0;32606
9; 1223.7; 25-MAY-2008 22:51:31; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;32606
10; 1351.7; 25-MAY-2008 22:53:39; Dark ; 44.5; 136; 23Tau Sco ; 2.82; 30000;occ; 89; 0;32606

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12; 1738.1; 25-MAY-2008 23:00:05; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32606
13; 1837.3; 25-MAY-2008 23:01:44; Bright; 42.0; 120; 1Del Oph ; 2.73; 3200;occ; 84; 0;32606
14; 2020.1; 25-MAY-2008 23:04:47; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;32606
15; 2369.1; 25-MAY-2008 23:10:36; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;32606
16; 3031.6; 25-MAY-2008 23:21:39; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32606
17; 3169.8; 25-MAY-2008 23:23:57; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;32606
18; 3676.0; 25-MAY-2008 23:32:23; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;32606
19; 3935.3; 25-MAY-2008 23:36:42; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;32606
20; 4006.8; 25-MAY-2008 23:37:54; Bright; 56.0; 68; 18Alp Cas ; 2.22; 4500;occ; 112; 0;32606
21; 4385.5; 25-MAY-2008 23:44:12; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;32606
22; 4540.1; 25-MAY-2008 23:46:47; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;32606
23; 4815.3; 25-MAY-2008 23:51:22; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;32606
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 3; -2028.4; 25-MAY-2008 06:51:55; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;32596
 4; -1651.4; 25-MAY-2008 06:58:12; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;32596
 5; -1497.4; 25-MAY-2008 07:00:46; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;32596
 6; -1224.8; 25-MAY-2008 07:05:19; Dark ; 48.5; 140; 88Gam Peg ; 2.83; 26000;occ; 97; 0;32596
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 2; 1838.0; 25-MAY-2008 07:56:22; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;32597
 3; 2021.2; 25-MAY-2008 07:59:25; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32597
 4; 2369.3; 25-MAY-2008 08:05:13; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;32597
 5; 3034.8; 25-MAY-2008 08:16:18; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32597
 6; 3170.5; 25-MAY-2008 08:18:34; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;32597
 7; 3681.1; 25-MAY-2008 08:27:05; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;32597
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22; 7385.6; 25-MAY-2008 09:28:49; Dark ; 41.0; 136; 23Tau Sco ; 2.82; 30000;occ; 82; 0;32597
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 6; 3170.3; 25-MAY-2008 09:59:10; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32598
 7; 3680.5; 25-MAY-2008 10:07:40; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;32598
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 9; 4007.5; 25-MAY-2008 10:13:07; Bright; 40.0; 68; 18Alp Cas ; 2.22; 4500;occ; 80; 0;32598
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11; 4538.8; 25-MAY-2008 10:21:58; Dark ; 50.5; 58; 21Alp And ; 2.07; 11000;occ; 101; 0;32598

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 16; 6144.2; 25-MAY-2008 10:48:44; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;32598
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 2; 1837.8; 25-MAY-2008 11:17:33; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;32599
 3; 2021.0; 25-MAY-2008 11:20:36; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32599
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 6; 3170.3; 25-MAY-2008 11:39:46; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;32599
 7; 3680.0; 25-MAY-2008 11:48:15; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;32599
 8; 3935.6; 25-MAY-2008 11:52:31; Bright; 36.0; 76; 27Gam Cas ; 2.30; 30000;occ; 72; 0;32599
 9; 4007.3; 25-MAY-2008 11:53:43; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;32599
 10; 4384.8; 25-MAY-2008 12:00:00; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;32599
 11; 4538.9; 25-MAY-2008 12:02:34; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;32599
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 18; 6860.4; 25-MAY-2008 12:41:16; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32599
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 21; 7257.6; 25-MAY-2008 12:47:53; Dark ; 45.0; 75; 26Eps Sco ; 2.29; 4250;occ; 90; 0;32599
 22; 7386.1; 25-MAY-2008 12:50:02; Dark ; 44.0; 136; 23Tau Sco ; 2.82; 30000;occ; 88; 0;32599
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 9; 1.9; 25-MAY-2008 05:45:10; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;32596
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 12; 822.8; 25-MAY-2008 05:58:50; Dark ; 39.0; 141; Bet Ara ; 2.84; 4600;occ; 78; 0;32596
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 23; 3170.5; 25-MAY-2008 06:37:58; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32596

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 4; 2369.2; 25-MAY-2008 13:07:01; Bright; 34.5; 83; ; 2.38; 11000;occ; 69; 0;32600
 5; 3033.8; 25-MAY-2008 13:18:05; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32600
 6; 3170.3; 25-MAY-2008 13:20:22; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;32600
 7; 3935.8; 25-MAY-2008 13:33:07; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;32600

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9; 4385.0; 25-MAY-2008 13:40:36; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;32600
10; 4539.2; 25-MAY-2008 13:43:10; Dark ; 50.0; 58; 21Alp And ; 2.07; 11000;occ; 100; 0;32600
11; 4812.9; 25-MAY-2008 13:47:44; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;32600
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9; 118.9; 26-MAY-2008 06:56:06; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;32611
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11; 829.1; 26-MAY-2008 07:07:56; Dark ; 39.0; 141; Bet Ara ; 2.84; 4600;occ; 78; 0;32611
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13; 1109.4; 26-MAY-2008 07:12:36; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;32611
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3; 2019.7; 26-MAY-2008 07:27:46; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;32611
4; 2382.3; 26-MAY-2008 07:33:49; Bright; 40.0; 67; 5Alp CrB ; 2.22; 11000;occ; 80; 0;32611
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6; 3030.0; 26-MAY-2008 07:44:37; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32611
7; 3169.5; 26-MAY-2008 07:46:56; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;32611
8; 3673.3; 26-MAY-2008 07:55:20; Bright; 52.0; 89; 5Alp Cep ; 2.45; 8000;occ; 104; 0;32611
9; 3935.1; 26-MAY-2008 07:59:42; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32611
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11; 4541.2; 26-MAY-2008 08:09:48; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;32611
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17; 6471.0; 26-MAY-2008 08:41:58; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32611
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21; 7262.0; 26-MAY-2008 08:55:09; Dark ; 42.5; 75; 26Eps Sco ; 2.29; 4250;occ; 85; 0;32611
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4; 2382.0; 26-MAY-2008 09:14:25; Bright; 38.0; 67; 5Alp CrB ; 2.22; 11000;occ; 76; 0;32612
5; 2572.9; 26-MAY-2008 09:17:35; Bright; 42.0; 133; 40Zet Her ; 2.81; 6000;occ; 84; 0;32612
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5; 2572.1; 26-MAY-2008 10:58:11; Bright; 42.0; 133; 40Zet Her ; 2.81; 6000;occ; 84; 0;32613


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22; 7268.1; 27-MAY-2008 15:06:01; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;32629
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3; 2018.0; 27-MAY-2008 15:19:07; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32630
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6; 3023.3; 27-MAY-2008 15:35:52; Bright; 46.0; 119; 14Eta Dra ; 2.73; 4700;occ; 92; 0;32630
7; 3168.6; 27-MAY-2008 15:38:18; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32630
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11; 4544.7; 27-MAY-2008 16:01:14; Dark ; 51.5; 58; 21Alp And ; 2.07; 11000;occ; 103; 0;32630
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5; 1701.4; 27-MAY-2008 18:35:03; Bright; 43.0; 98; 13Zet Oph ; 2.57; 30000;occ; 86; 0;32632

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6; 839.4; 28-MAY-2008 01:03:04; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32636
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 3; 2016.3; 29-MAY-2008 10:54:40; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;32656
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 5; 2545.9; 29-MAY-2008 11:03:29; Bright; 44.5; 133; 40Zet Her ; 2.81; 6000;occ; 89; 0;32656
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 7; 3014.6; 29-MAY-2008 12:51:54; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;32657
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7; 1701.9; 29-MAY-2008 20:53:01; Bright; 42.0; 98; 13Zet Oph ; 2.57; 30000;occ; 84; 0;32662
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13; 3166.9; 29-MAY-2008 21:17:26; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32662
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7; 850.3; 29-MAY-2008 22:19:25; Dark ; 39.0; 141; Bet Ara ; 2.84; 4600;occ; 78; 0;32663
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9; 1133.3; 29-MAY-2008 22:24:08; Dark ; 46.5; 25; 35Lam Sco ; 1.62; 28000;occ; 93; 0;32663
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3; 1701.8; 29-MAY-2008 14:10:37; Bright; 40.5; 98; 13Zet Oph ; 2.57; 30000;occ; 81; 0;32658
4; 1834.9; 29-MAY-2008 14:12:50; Bright; 41.0; 120; 1Del Oph ; 2.73; 3200;occ; 82; 0;32658
5; 2016.2; 29-MAY-2008 14:15:51; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;32658
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7; 2544.9; 29-MAY-2008 14:24:40; Bright; 45.5; 133; 40Zet Her ; 2.81; 6000;occ; 91; 0;32658
8; 3014.3; 29-MAY-2008 14:32:29; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;32658
9; 3167.3; 29-MAY-2008 14:35:02; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32658
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3; 1588.4; 29-MAY-2008 15:49:19; Bright; 47.0; 86; 35Eta Oph ; 2.43; 10200;occ; 94; 0;32659
4; 1702.0; 29-MAY-2008 15:51:13; Bright; 41.0; 98; 13Zet Oph ; 2.57; 30000;occ; 82; 0;32659
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21; 6090.0; 29-MAY-2008 18:44:57; Dark ; 46.0; 63; Bet Gru ; 2.15; 2800;occ; 92; 0;32660
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23; 6505.2; 29-MAY-2008 18:51:52; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32660
24; 6885.5; 29-MAY-2008 18:58:12; Dark ; 38.5; 141; Bet Ara ; 2.84; 4600;occ; 77; 0;32660
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3; 1242.2; 29-MAY-2008 19:04:45; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;32661
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8; 1834.7; 29-MAY-2008 19:14:38; Bright; 40.5; 120; 1Del Oph ; 2.73; 3200;occ; 81; 0;32661
9; 2016.0; 29-MAY-2008 19:17:39; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;32661
10; 2373.1; 29-MAY-2008 19:23:36; Bright; 38.0; 67; 5Alp CrB ; 2.22; 11000;occ; 76; 0;32661
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12; 3013.3; 29-MAY-2008 19:34:16; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;32661
13; 3167.0; 29-MAY-2008 19:36:50; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32661
14; 3645.3; 29-MAY-2008 19:44:48; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;32661
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 5; 167.7; 30-MAY-2008 01:29:14; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;32665
 6; 471.9; 30-MAY-2008 01:34:18; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;32665
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 8; 925.2; 30-MAY-2008 01:41:52; Dark ; 41.5; 147; Alp Ara ; 2.88; 26000;occ; 83; 0;32665
 9; 1025.7; 30-MAY-2008 01:43:32; Dark ; 44.0; 40; The Sco ; 1.86; 7100;occ; 88; 0;32665
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 11; 1243.4; 30-MAY-2008 01:47:10; Dark ; 44.5; 75; 26Eps Sco ; 2.29; 4250;occ; 89; 0;32665
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 13; 1493.7; 30-MAY-2008 01:51:20; Bright; 40.0; 80; 7Del Sco ; 2.32; 30000;occ; 80; 0;32665
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 15; 1702.0; 30-MAY-2008 01:54:49; Bright; 43.5; 98; 13Zet Oph ; 2.57; 30000;occ; 87; 0;32665
 16; 1834.6; 30-MAY-2008 01:57:01; Bright; 40.0; 120; 1Del Oph ; 2.73; 3200;occ; 80; 0;32665
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 19; 2541.1; 30-MAY-2008 02:08:48; Bright; 44.5; 133; 40Zet Her ; 2.81; 6000;occ; 89; 0;32665
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 21; 3166.8; 30-MAY-2008 02:19:13; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32665
 22; 3642.9; 30-MAY-2008 02:27:09; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;32665

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 8; 58.2; 30-MAY-2008 03:08:01; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;32666
 9; 168.7; 30-MAY-2008 03:09:51; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;32666
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 13; 1134.8; 30-MAY-2008 03:25:57; Dark ; 43.5; 25; 35Lam Sco ; 1.62; 28000;occ; 87; 0;32666
 14; 1243.9; 30-MAY-2008 03:27:46; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;32666
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 17; 1589.0; 30-MAY-2008 03:33:31; Bright; 46.5; 86; 35Eta Oph ; 2.43; 10200;occ; 93; 0;32666
 18; 1702.2; 30-MAY-2008 03:35:25; Bright; 42.0; 98; 13Zet Oph ; 2.57; 30000;occ; 84; 0;32666
 19; 1834.7; 30-MAY-2008 03:37:37; Bright; 40.5; 120; 1Del Oph ; 2.73; 3200;occ; 81; 0;32666
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 21; 2372.5; 30-MAY-2008 03:46:35; Bright; 38.0; 67; 5Alp CrB ; 2.22; 11000;occ; 76; 0;32666
 22; 2540.6; 30-MAY-2008 03:49:23; Bright; 44.5; 133; 40Zet Her ; 2.81; 6000;occ; 89; 0;32666
 23; 3011.9; 30-MAY-2008 03:57:14; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32666
 24; 3167.0; 30-MAY-2008 03:59:49; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32666
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 3; -1643.9; 30-MAY-2008 04:20:15; Bright; 42.5; 53; 43Bet And ; 2.05; 3300;occ; 85; 0;32666
 4; -1484.3; 30-MAY-2008 04:22:54; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;32666
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 6; -773.3; 30-MAY-2008 04:34:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32666
 7; -656.7; 30-MAY-2008 04:36:42; Dark ; 47.0; 52; 16Bet Cet ; 2.04; 4500;occ; 94; 0;32666

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22; 2372.2; 30-MAY-2008 05:27:11; Bright; 35.5; 67; 5Alp CrB ; 2.22; 11000;occ; 71; 0;32667
23; 2540.0; 30-MAY-2008 05:29:58; Bright; 42.0; 133; 40Zet Her ; 2.81; 6000;occ; 84; 0;32667
24; 3011.5; 30-MAY-2008 05:37:50; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32667
25; 3168.7; 30-MAY-2008 05:40:27; Bright; 31.5; 60; 7Bet UMi ; 2.08; 3950;occ; 63; 0;32667
26; 3641.8; 30-MAY-2008 05:48:20; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;32667

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3; 1139.0; 30-MAY-2008 20:12:01; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;32676
4; 1247.0; 30-MAY-2008 20:13:49; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;32676
5; 1370.0; 30-MAY-2008 20:15:52; Dark ; 51.5; 136; 23Tau Sco ; 2.82; 30000;occ; 103; 0;32676
6; 1495.8; 30-MAY-2008 20:17:58; Bright; 38.5; 80; 7Del Sco ; 2.32; 30000;occ; 77; 0;32676
7; 1590.0; 30-MAY-2008 20:19:32; Bright; 45.0; 86; 35Eta Oph ; 2.43; 10200;occ; 90; 0;32676
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13; 3008.7; 30-MAY-2008 20:43:11; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32676
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12; 926.5; 30-MAY-2008 06:43:41; Dark ; 40.5; 147; Alp Ara ; 2.88; 26000;occ; 81; 0;32668
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6; 3011.3; 30-MAY-2008 07:18:26; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32668
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 18; 6513.4; 30-MAY-2008 14:59:11; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32672
 19; 6964.4; 30-MAY-2008 15:06:42; Dark ; 38.5; 147; Alp Ara ; 2.88; 26000;occ; 77; 0;32672
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 5; 2015.6; 30-MAY-2008 15:24:50; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;32673
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 12; 4553.1; 30-MAY-2008 16:07:07; Dark ; 53.0; 58; 21Alp And ; 2.07; 11000;occ; 106; 0;32673
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 15; 5383.4; 30-MAY-2008 16:20:57; Dark ; 47.0; 52; 16Bet Cet ; 2.04; 4500;occ; 94; 0;32673
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 18; 6101.0; 30-MAY-2008 16:32:55; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;32673
 19; 6212.2; 30-MAY-2008 16:34:46; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;32673
 20; 6514.2; 30-MAY-2008 16:39:48; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32673
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 7; 1834.4; 30-MAY-2008 17:02:24; Bright; 40.0; 120; 1Del Oph ; 2.73; 3200;occ; 80; 0;32674
 8; 2015.5; 30-MAY-2008 17:05:26; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;32674
 9; 2371.3; 30-MAY-2008 17:11:21; Bright; 38.0; 67; 5Alp CrB ; 2.22; 11000;occ; 76; 0;32674
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 11; 3009.3; 30-MAY-2008 17:21:59; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32674
 12; 3637.9; 30-MAY-2008 17:32:28; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;32674
 13; 3930.8; 30-MAY-2008 17:37:21; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;32674
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 16; 4845.8; 30-MAY-2008 17:52:36; Dark ; 49.5; 140; 88Gam Peg ; 2.83; 26000;occ; 99; 0;32674
 17; 5269.4; 30-MAY-2008 17:59:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32674
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 19; 5786.6; 30-MAY-2008 18:08:17; Dark ; 40.5; 84; Alp Phe ; 2.40; 4500;occ; 81; 0;32674
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 21; 6101.8; 30-MAY-2008 18:13:32; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;32674
 22; 6213.0; 30-MAY-2008 18:15:23; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;32674
 23; 6514.8; 30-MAY-2008 18:20:25; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32674
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 3; 1138.6; 30-MAY-2008 18:31:25; Dark ; 45.5; 25; 35Lam Sco ; 1.62; 28000;occ; 91; 0;32675
 4; 1246.7; 30-MAY-2008 18:33:13; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;32675
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 7; 1589.9; 30-MAY-2008 18:38:56; Bright; 46.0; 86; 35Eta Oph ; 2.43; 10200;occ; 92; 0;32675
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 10; 2015.5; 30-MAY-2008 18:46:02; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;32675
 11; 2371.1; 30-MAY-2008 18:51:57; Bright; 37.5; 67; 5Alp CrB ; 2.22; 11000;occ; 75; 0;32675
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 19; 5270.2; 30-MAY-2008 19:40:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32675
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 21; 5787.1; 30-MAY-2008 19:48:53; Dark ; 43.5; 84; Alp Phe ; 2.40; 4500;occ; 87; 0;32675
 22; 5898.2; 30-MAY-2008 19:50:44; Dark ; 60.5; 18; 24Alp PsA ; 1.17; 9700;occ; 121; 0;32675
 23; 6102.5; 30-MAY-2008 19:54:09; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;32675
 24; 6213.9; 30-MAY-2008 19:56:00; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;32675
 25; 6515.5; 30-MAY-2008 20:01:02; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;32675

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 3; -134.2; 31-MAY-2008 00:52:35; Dark ; 53.0; 18; 24Alp PsA ; 1.17; 9700;occ; 106; 0;32678

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 3; 1251.3; 31-MAY-2008 19:42:16; Dark ; 45.5; 75; 26Eps Sco ; 2.29; 4250;occ; 91; 0;32690
 4; 1373.3; 31-MAY-2008 19:44:18; Dark ; 45.5; 136; 23Tau Sco ; 2.82; 30000;occ; 91; 0;32690
 5; 1498.1; 31-MAY-2008 19:46:23; Bright; 38.0; 80; 7Del Sco ; 2.32; 30000;occ; 76; 0;32690
 6; 1591.2; 31-MAY-2008 19:47:56; Bright; 44.0; 86; 35Eta Oph ; 2.43; 10200;occ; 88; 0;32690
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 9; 2014.8; 31-MAY-2008 19:55:00; Bright; 36.5; 102; 24Alp Ser ; 2.60; 4250;occ; 73; 0;32690
 10; 2368.9; 31-MAY-2008 20:00:54; Bright; 36.5; 67; 5Alp CrB ; 2.22; 11000;occ; 73; 0;32690
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 14; 3929.1; 31-MAY-2008 20:26:54; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;32690
 15; 4394.4; 31-MAY-2008 20:34:39; Bright; 44.0; 53; 43Bet And ; 2.05; 3300;occ; 88; 0;32690


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6; 489.8; 31-MAY-2008 21:10:11; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;32691
7; 936.1; 31-MAY-2008 21:17:37; Dark ; 39.0; 147; Alp Ara ; 2.88; 26000;occ; 78; 0;32691
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18; 2527.5; 31-MAY-2008 21:44:08; Bright; 43.0; 133; 40Zet Her ; 2.81; 6000;occ; 86; 0;32691
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21; 3929.0; 31-MAY-2008 22:07:30; Bright; 56.0; 76; 27Gam Cas ; 2.30; 30000;occ; 112; 0;32691
22; 4394.4; 31-MAY-2008 22:15:15; Bright; 44.0; 53; 43Bet And ; 2.05; 3300;occ; 88; 0;32691
23; 4556.7; 31-MAY-2008 22:17:58; Dark ; 53.5; 58; 21Alp And ; 2.07; 11000;occ; 107; 0;32691
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3; 837.7; 31-MAY-2008 12:52:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32686
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3; 1916.1; 31-MAY-2008 13:10:57; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;32686
4; 2211.4; 31-MAY-2008 13:15:53; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;32686
5; 2609.4; 31-MAY-2008 13:22:31; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;32686
6; 3136.2; 31-MAY-2008 13:31:17; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;32686
7; 3442.8; 31-MAY-2008 13:36:24; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;32686
8; 3557.2; 31-MAY-2008 13:38:18; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;32686
9; 3751.7; 31-MAY-2008 13:41:33; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;32686
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12; 6066.4; 31-MAY-2008 14:20:08; Dark ; 44.5; 0; ; 0.00; 0;occ; 89; 0;32686
13; 6443.4; 31-MAY-2008 14:26:25; Dark ; 38.5; 0; ; 0.00; 0;occ; 77; 0;32686
14; 6874.1; 31-MAY-2008 14:33:35; Dark ; 36.5; 0; ; 0.00; 0;occ; 73; 0;32686
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3; 1682.3; 31-MAY-2008 14:47:39; Bright; 44.5; 0; ; 0.00; 0;occ; 89; 0;32687
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5; 2211.4; 31-MAY-2008 14:56:28; Bright; 34.5; 0; ; 0.00; 0;occ; 69; 0;32687
6; 2607.9; 31-MAY-2008 15:03:05; Bright; 40.5; 0; ; 0.00; 0;occ; 81; 0;32687
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9; 3557.1; 31-MAY-2008 15:18:54; Bright; 37.5; 0; ; 0.00; 0;occ; 75; 0;32687
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11; 4206.2; 31-MAY-2008 15:29:43; Bright; 42.5; 0; ; 0.00; 0;occ; 85; 0;32687
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13; 6055.5; 31-MAY-2008 16:00:33; Dark ; 103.0; 63; Bet Gru ; 2.15; 2800;occ; 206; 0;32687
14; 6468.4; 31-MAY-2008 16:07:26; Dark ; 98.5; 45; Alp Pav ; 1.94; 26000;occ; 197; 0;32687
15; 6916.9; 31-MAY-2008 16:14:54; Dark ; 93.0; 147; Alp Ara ; 2.88; 26000;occ; 186; 0;32687
16; 7121.3; 31-MAY-2008 16:18:18; Dark ; 106.0; 25; 35Lam Sco ; 1.62; 28000;occ; 212; 0;32687
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 2; 1527.6; 31-MAY-2008 16:25:41; Bright; 109.5; 86; 35Eta Oph ; 2.43; 10200;occ; 219; 0;32688
 3; 1778.1; 31-MAY-2008 16:29:51; Bright; 95.5; 120; 1Del Oph ; 2.73; 3200;occ; 191; 0;32688
 4; 1961.6; 31-MAY-2008 16:32:55; Bright; 90.0; 102; 24Alp Ser ; 2.60; 4250;occ; 180; 0;32688
 5; 2263.2; 31-MAY-2008 16:37:56; Bright; 103.0; 127; 27Bet Her ; 2.78; 4700;occ; 206; 0;32688
 6; 2469.7; 31-MAY-2008 16:41:23; Bright; 101.0; 133; 40Zet Her ; 2.81; 6000;occ; 202; 0;32688
 7; 2952.1; 31-MAY-2008 16:49:25; Bright; 91.0; 119; 14Eta Dra ; 2.73; 4700;occ; 182; 0;32688
 8; 3563.5; 31-MAY-2008 16:59:37; Bright; 113.0; 89; 5Alp Cep ; 2.45; 8000;occ; 226; 0;32688
 9; 3875.0; 31-MAY-2008 17:04:48; Bright; 89.5; 76; 27Gam Cas ; 2.30; 30000;occ; 179; 0;32688
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 11; 4489.8; 31-MAY-2008 17:15:03; Dark ; 119.0; 58; 21Alp And ; 2.07; 11000;occ; 238; 0;32688
 12; 4786.5; 31-MAY-2008 17:20:00; Dark ; 117.0; 140; 88Gam Peg ; 2.83; 26000;occ; 234; 0;32688
 13; 5281.3; 31-MAY-2008 17:28:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32688
 14; 5845.4; 31-MAY-2008 17:37:38; Dark ; 122.5; 18; 24Alp PsA ; 1.17; 9700;occ; 245; 0;32688
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 21; 3928.8; 31-MAY-2008 23:48:06; Bright; 56.0; 76; 27Gam Cas ; 2.30; 30000;occ; 112; 0;32692
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 8; 2951.7; 31-MAY-2008 18:30:01; Bright; 93.5; 119; 14Eta Dra ; 2.73; 4700;occ; 187; 0;32689
 9; 3563.0; 31-MAY-2008 18:40:12; Bright; 112.0; 89; 5Alp Cep ; 2.45; 8000;occ; 224; 0;32689
 10; 3874.9; 31-MAY-2008 18:45:24; Bright; 100.0; 76; 27Gam Cas ; 2.30; 30000;occ; 200; 0;32689
 11; 4338.6; 31-MAY-2008 18:53:08; Bright; 99.0; 53; 43Bet And ; 2.05; 3300;occ; 198; 0;32689
 12; 4489.9; 31-MAY-2008 18:55:39; Dark ; 116.5; 58; 21Alp And ; 2.07; 11000;occ; 233; 0;32689
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