

GOMOS Daily Report 23-MAY-2008

Level 0 and Level 1 products

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

Item	Value
Time of report generation	25MAY2008 05:32:12
Data source version	GOMOS/5.00
Start time of products	QDS_YESTERDAY(/START)-1D (23MAY2008 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP)-1D (24MAY2008 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)

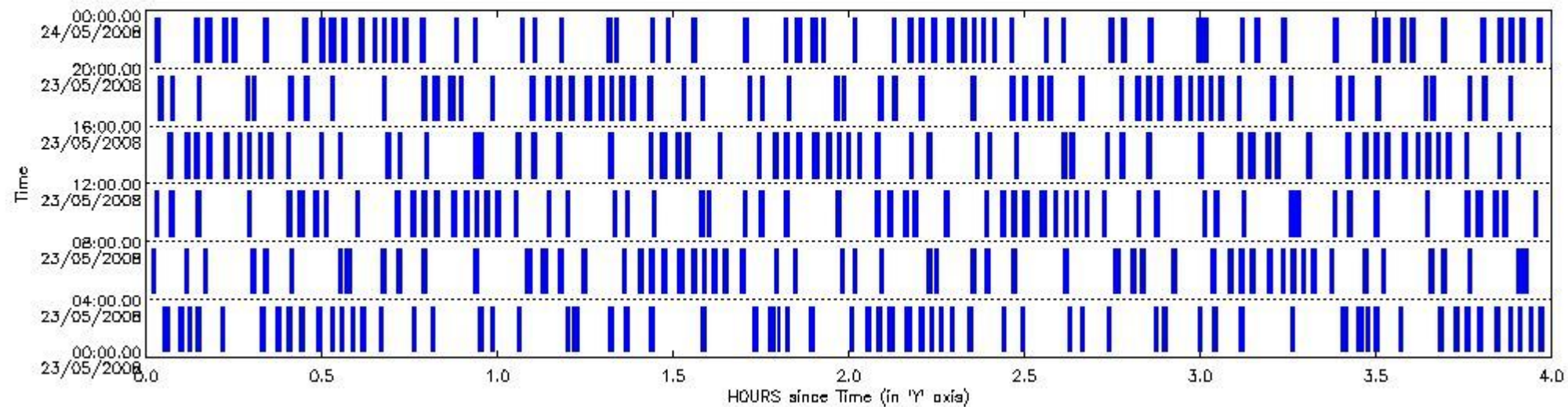
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

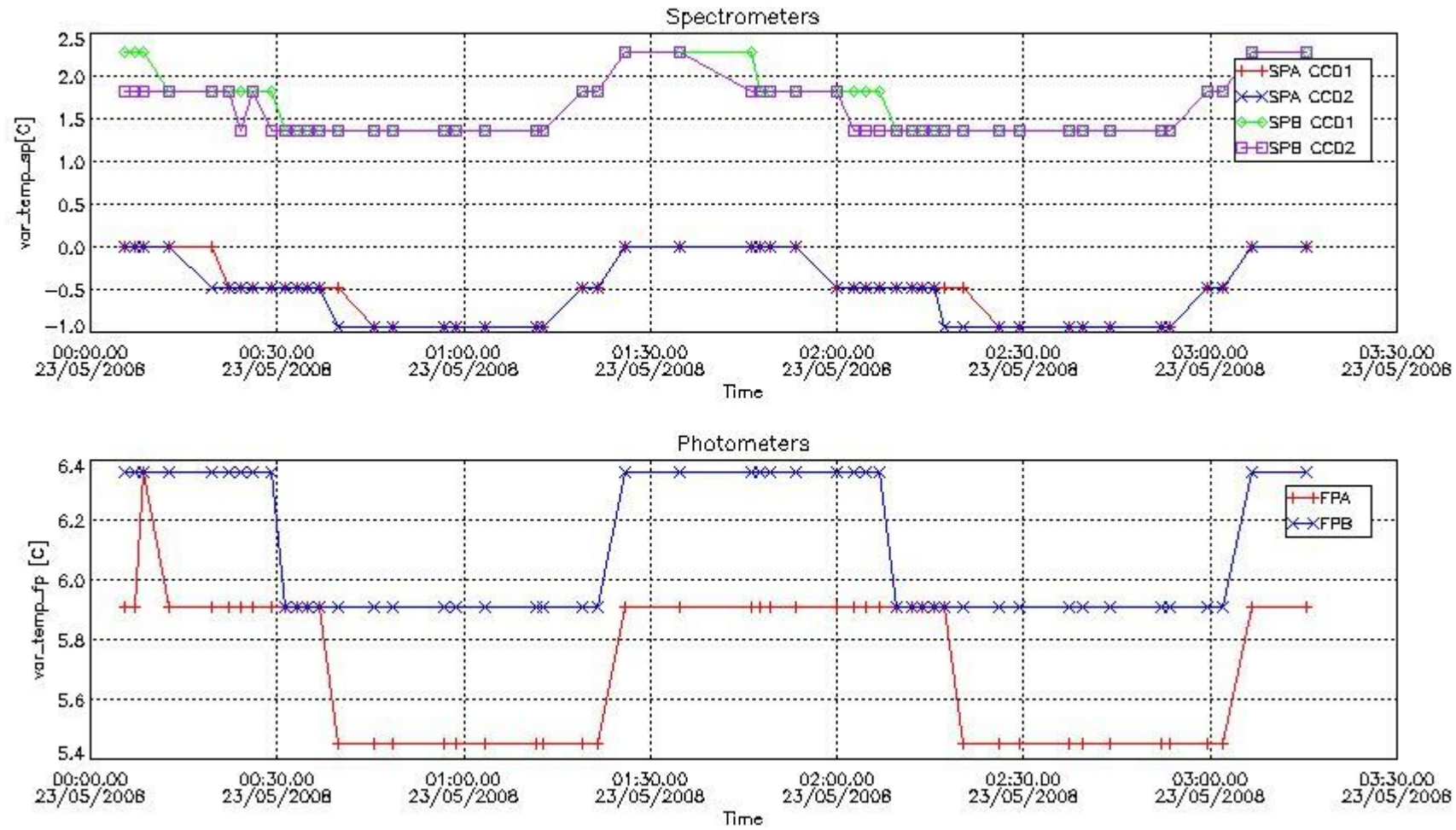
No missing products.

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_1PNPDE20080523_000536_000000472068_00445_32563_2521.N1	23-MAY-2008 00:05:36	Dark	47.000	63	Bet Gru	2.1500	2800.0	94	32563	No
2	GOM_TRA_1PNPDE20080523_000707_000000312068_00446_32564_2522.N1	23-MAY-2008 00:07:07	Dark	31.000	172	Gam Gru	3.0030	13100.	62	32564	No
3	GOM_TRA_1PNPDE20080523_000831_000000422068_00446_32564_2523.N1	23-MAY-2008 00:08:31	Dark	41.500	148	Alp Tuc	2.8780	4100.0	83	32564	No
4	GOM_TRA_1PNPDE20080523_001239_000000422068_00446_32564_2524.N1	23-MAY-2008 00:12:39	Dark	41.500	45	Alp Pav	1.9400	26000.	83	32564	No
5	GOM_TRA_1PNPDE20080523_001927_000000492068_00446_32564_2525.N1	23-MAY-2008 00:19:27	Straylight	48.500	141	Bet Ara	2.8400	4600.0	97	32564	No
6	GOM_TRA_1PNPDE20080523_002213_000000492068_00446_32564_2526.N1	23-MAY-2008 00:22:13	Straylight	48.500	40	The Sco	1.8590	7100.0	97	32564	No
7	GOM_TRA_1PNPDE20080523_002403_000000522068_00446_32564_2527.N1	23-MAY-2008 00:24:03	Straylight	51.500	25	35Lam Sco	1.6200	28000.	103	32564	No
8	GOM_TRA_1PNPDE20080523_002607_000000502068_00446_32564_2528.N1	23-MAY-2008 00:26:07	Twilight_stray	49.500	75	26Eps Sco	2.2910	4250.0	99	32564	No
9	GOM_TRA_1PNPDE20080523_002858_000000602068_00446_32564_2529.N1	23-MAY-2008 00:28:58	Bright	60.000	16	21Alp Sco	1.0200	3000.0	120	32564	No
10	GOM_TRA_1PNPDE20080523_003122_000000422068_00446_32564_2530.N1	23-MAY-2008 00:31:22	Bright	42.000	97	8Bet1Sco	2.5610	30000.	84	32564	No
11	GOM_TRA_1PNPDE20080523_003309_000000352068_00446_32564_2531.N1	23-MAY-2008 00:33:09	Bright	35.000	122	9Alp2Lib	2.7470	9700.0	70	32564	No
12	GOM_TRA_1PNPDE20080523_003452_000000372068_00446_32564_2532.N1	23-MAY-2008 00:34:52	Bright	37.000	104	27Bet Lib	2.6140	13100.	74	32564	No

13	GOM_TRA_1PNPDE20080523_003639_000000442068_00446_32564_2533.N1	23-MAY-2008 00:36:39	Bright	44.000	120	1Del Oph	2.7340	3200.0	88	32564	No
14	GOM_TRA_1PNPDE20080523_003943_000000402068_00446_32564_2534.N1	23-MAY-2008 00:39:43	Bright	39.500	102	24Alp Ser	2.6000	4250.0	79	32564	No
15	GOM_TRA_1PNPDE20080523_004528_000000362068_00446_32564_2535.N1	23-MAY-2008 00:45:28	Bright	35.500	83		2.3780	11000.	71	32564	No
16	GOM_TRA_1PNPDE20080523_004838_000000362068_00446_32564_2536.N1	23-MAY-2008 00:48:38	Bright	35.500	180	27Gam Boo	3.0400	8000.0	71	32564	No
17	GOM_TRA_1PNPDE20080523_005645_000000392068_00446_32564_2537.N1	23-MAY-2008 00:56:45	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	32564	No
18	GOM_TRA_1PNPDE20080523_005851_000000382068_00446_32564_2538.N1	23-MAY-2008 00:58:51	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	32564	No
19	GOM_TRA_1PNPDE20080523_010325_000000352068_00446_32564_2539.N1	23-MAY-2008 01:03:25	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	32564	No
20	GOM_TRA_1PNPDE20080523_011135_000000432068_00446_32564_2540.N1	23-MAY-2008 01:11:35	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	32564	No
21	GOM_TRA_1PNPDE20080523_011247_000000552068_00446_32564_2541.N1	23-MAY-2008 01:12:47	Bright	55.000	68	18Alp Cas	2.2250	4500.0	110	32564	No
22	GOM_TRA_1PNPDE20080523_011859_000000372068_00446_32564_2542.N1	23-MAY-2008 01:18:59	Bright	37.000	53	43Bet And	2.0480	3300.0	74	32564	No
23	GOM_TRA_1PNPDE20080523_012131_000000472068_00446_32564_2543.N1	23-MAY-2008 01:21:31	Twilight	47.000	58	21Alp And	2.0730	11000.	94	32564	No
24	GOM_TRA_1PNPDE20080523_012557_000000452068_00446_32564_2544.N1	23-MAY-2008 01:25:57	Dark	44.500	140	88Gam Peg	2.8340	26000.	89	32564	No
25	GOM_TRA_1PNPDE20080523_013446_000000452068_00446_32564_2660.N1	23-MAY-2008 01:34:46	Dark	44.500	52	16Bet Cet	2.0370	4500.0	89	32564	No
26	GOM_TRA_1PNPDE20080523_014612_000000592068_00446_32564_2661.N1	23-MAY-2008 01:46:12	Dark	59.000	63	Bet Gru	2.1500	2800.0	118	32564	No
27	GOM_TRA_1PNPDE20080523_014744_000000272068_00447_32565_2662.N1	23-MAY-2008 01:47:44	Dark	27.000	172	Gam Gru	3.0030	13100.	54	32565	No
28	GOM_TRA_1PNPDE20080523_014907_000000412068_00447_32565_2663.N1	23-MAY-2008 01:49:07	Dark	40.500	148	Alp Tuc	2.8780	4100.0	81	32565	No
29	GOM_TRA_1PNPDE20080523_015316_000000412068_00447_32565_2664.N1	23-MAY-2008 01:53:16	Dark	40.500	45	Alp Pav	1.9400	26000.	81	32565	No
30	GOM_TRA_1PNPDE20080523_020003_000000412068_00447_32565_2665.N1	23-MAY-2008 02:00:03	Straylight	41.000	141	Bet Ara	2.8400	4600.0	82	32565	No
31	GOM_TRA_1PNPDE20080523_020249_000000492068_00447_32565_2666.N1	23-MAY-2008 02:02:49	Straylight	48.500	40	The Sco	1.8590	7100.0	97	32565	No
32	GOM_TRA_1PNPDE20080523_020440_000000482068_00447_32565_2667.N1	23-MAY-2008 02:04:40	Straylight	47.500	25	35Lam Sco	1.6200	28000.	95	32565	No
33	GOM_TRA_1PNPDE20080523_020643_000000502068_00447_32565_2668.N1	23-MAY-2008 02:06:43	Twilight	50.000	75	26Eps Sco	2.2910	4250.0	100	32565	No
34	GOM_TRA_1PNPDE20080523_020935_000000602068_00447_32565_2669.N1	23-MAY-2008 02:09:35	Bright	60.000	16	21Alp Sco	1.0200	3000.0	120	32565	No
35	GOM_TRA_1PNPDE20080523_021159_000000432068_00447_32565_2670.N1	23-MAY-2008 02:11:59	Bright	42.500	97	8Bet1Sco	2.5610	30000.	85	32565	No
36	GOM_TRA_1PNPDE20080523_021345_000000372068_00447_32565_2671.N1	23-MAY-2008 02:13:45	Bright	36.500	122	9Alp2Lib	2.7470	9700.0	73	32565	No
37	GOM_TRA_1PNPDE20080523_021528_000000372068_00447_32565_2672.N1	23-MAY-2008 02:15:28	Bright	37.000	104	27Bet Lib	2.6140	13100.	74	32565	No
38	GOM_TRA_1PNPDE20080523_021714_000000452068_00447_32565_2673.N1	23-MAY-2008 02:17:14	Bright	44.500	120	1Del Oph	2.7340	3200.0	89	32565	No
39	GOM_TRA_1PNPDE20080523_022019_000000412068_00447_32565_2674.N1	23-MAY-2008 02:20:19	Bright	40.500	102	24Alp Ser	2.6000	4250.0	81	32565	No
40	GOM_TRA_1PNPDE20080523_022604_000000362068_00447_32565_2675.N1	23-MAY-2008 02:26:04	Bright	35.500	83		2.3780	11000.	71	32565	No
41	GOM_TRA_1PNPDE20080523_022914_000000352068_00447_32565_2676.N1	23-MAY-2008 02:29:14	Bright	34.500	180	27Gam Boo	3.0400	8000.0	69	32565	No
42	GOM_TRA_1PNPDE20080523_023721_000000412068_00447_32565_2677.N1	23-MAY-2008 02:37:21	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	32565	No
43	GOM_TRA_1PNPDE20080523_023926_000000342068_00447_32565_2678.N1	23-MAY-2008 02:39:26	Bright	34.000	60	7Bet UMi	2.0810	3950.0	68	32565	No
44	GOM_TRA_1PNPDE20080523_024401_000000352068_00447_32565_2679.N1	23-MAY-2008 02:44:01	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	32565	No
45	GOM_TRA_1PNPDE20080523_025211_000000352068_00447_32565_2824.N1	23-MAY-2008 02:52:11	Bright	34.500	76	27Gam Cas	2.3000	30000.	69	32565	No
46	GOM_TRA_1PNPDE20080523_025323_000000552068_00447_32565_2825.N1	23-MAY-2008 02:53:23	Bright	55.000	68	18Alp Cas	2.2250	4500.0	110	32565	No
47	GOM_TRA_1PNPDE20080523_025935_000000382068_00447_32565_2826.N1	23-MAY-2008 02:59:35	Bright	38.000	53	43Bet And	2.0480	3300.0	76	32565	No
48	GOM_TRA_1PNPDE20080523_030207_000000472068_00447_32565_2827.N1	23-MAY-2008 03:02:07	Twilight	47.000	58	21Alp And	2.0730	11000.	94	32565	No
49	GOM_TRA_1PNPDE20080523_030633_000000452068_00447_32565_2828.N1	23-MAY-2008 03:06:33	Dark	44.500	140	88Gam Peg	2.8340	26000.	89	32565	No
50	GOM_TRA_1PNPDE20080523_031522_000000452068_00447_32565_2829.N1	23-MAY-2008 03:15:22	Dark	44.500	52	16Bet Cet	2.0370	4500.0	89	32565	No

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



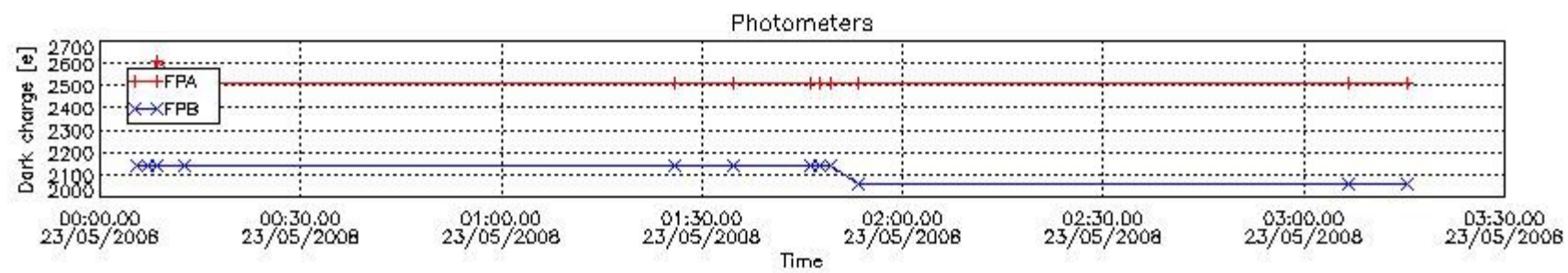
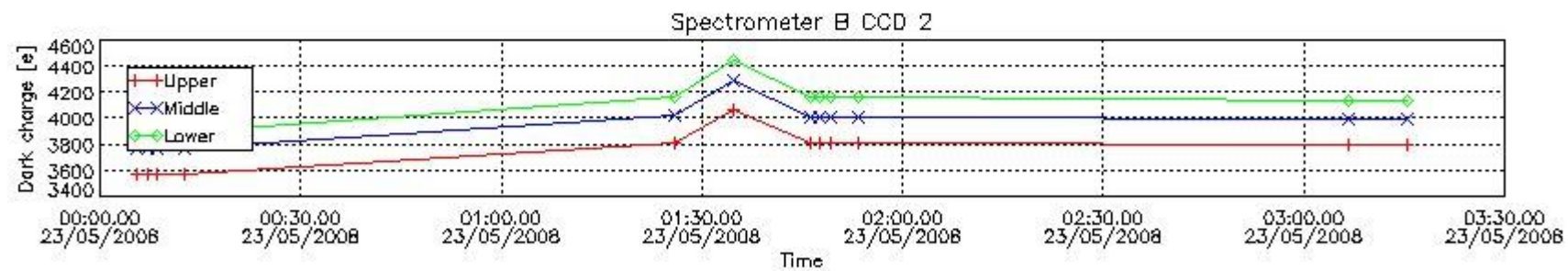
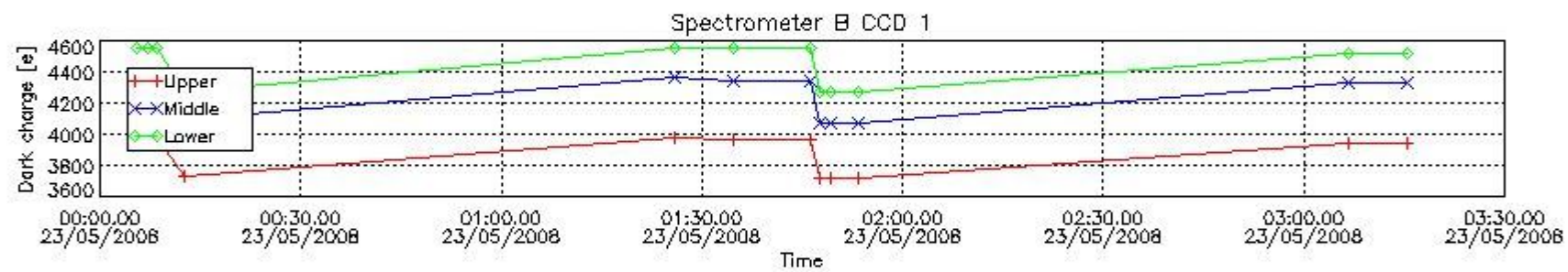
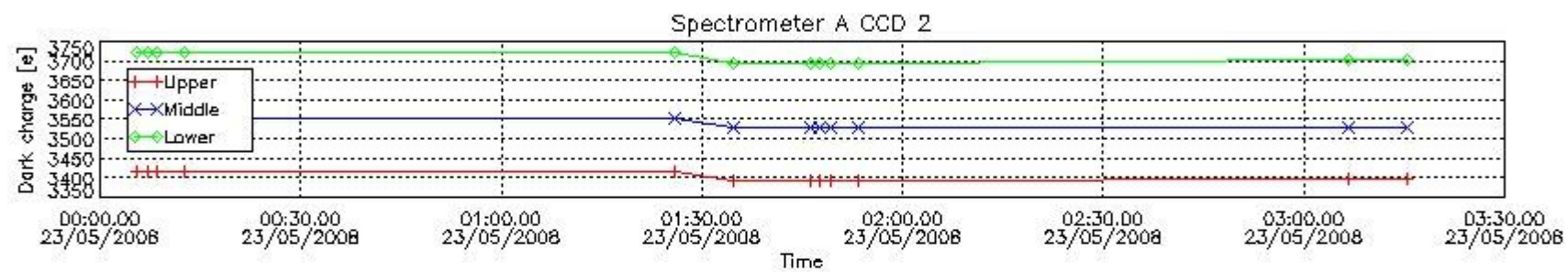
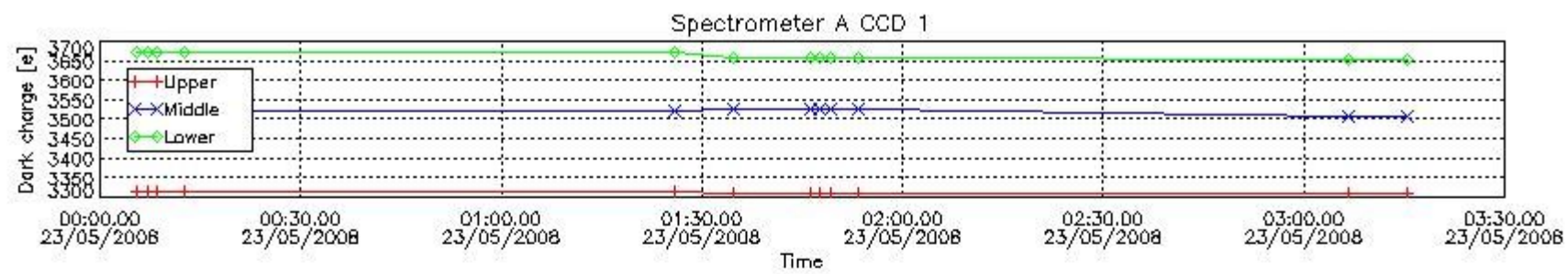
4. Overview of dark signal processing per product

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

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

4.1 All products used the DSA observation for the DC computation

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



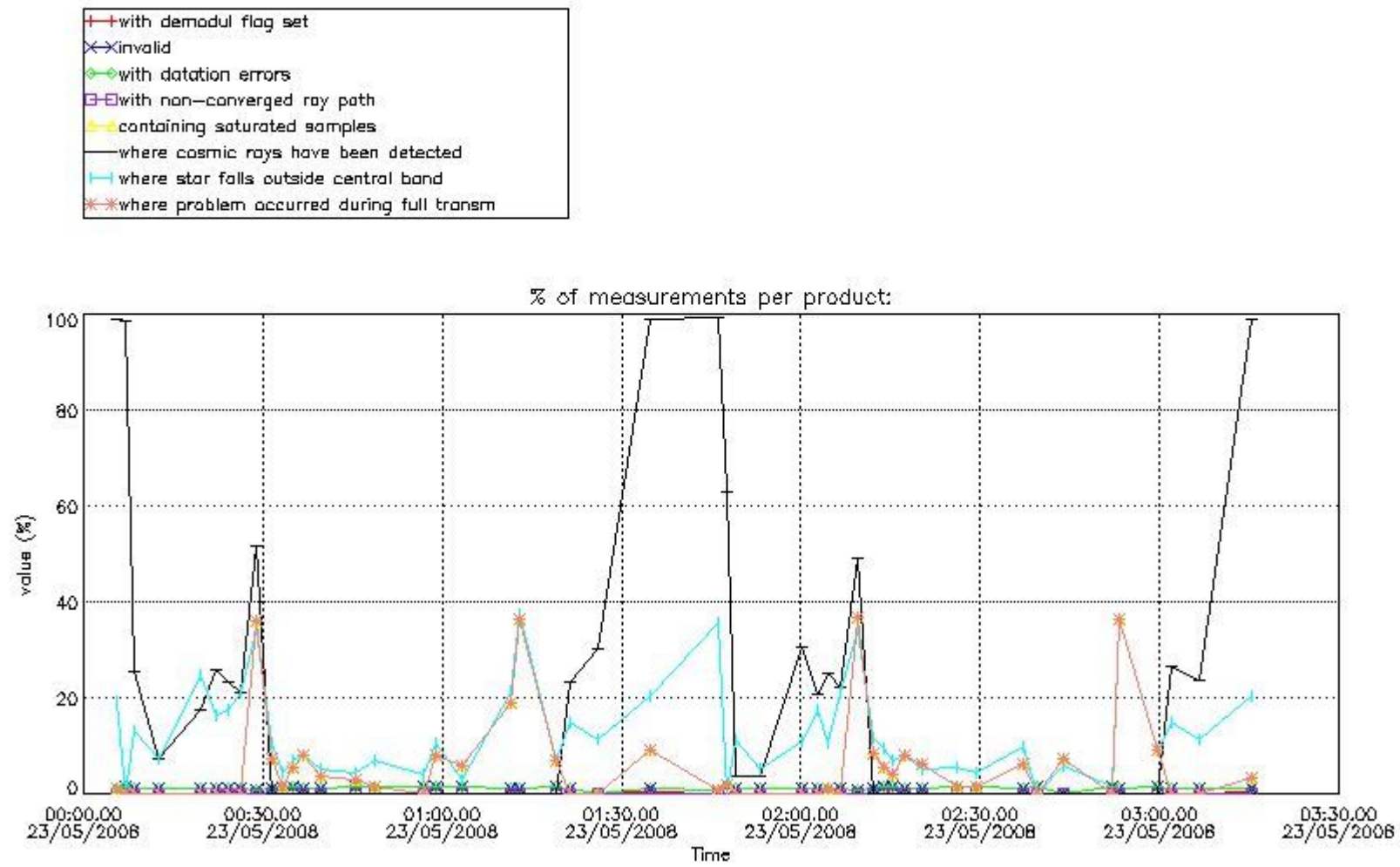
5. Demodulation flag and quality information monitoring

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

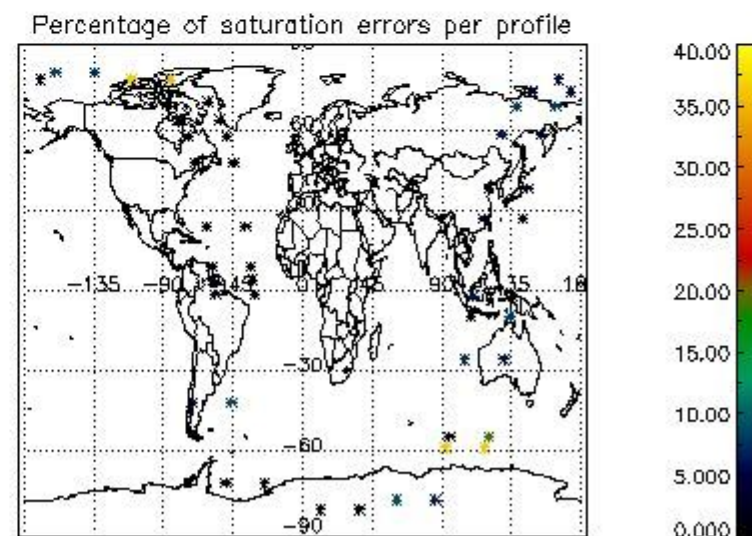
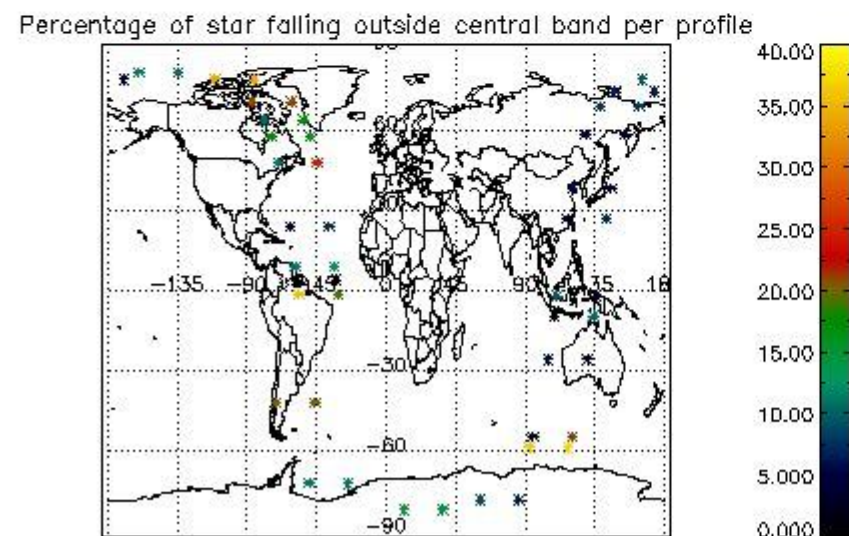
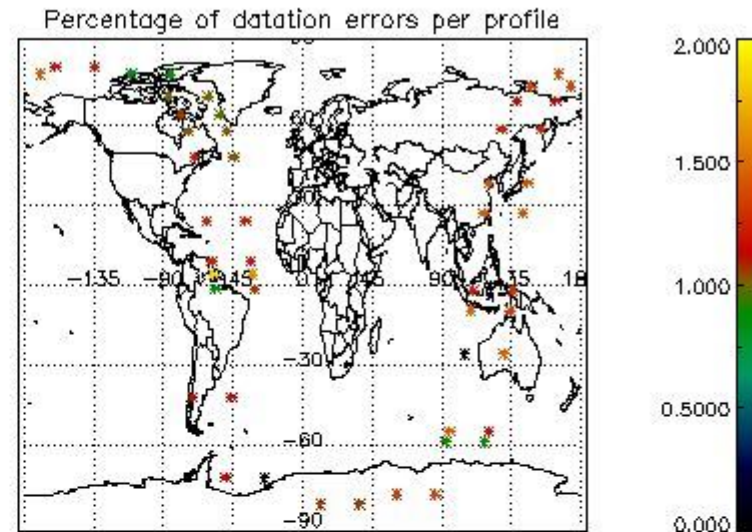
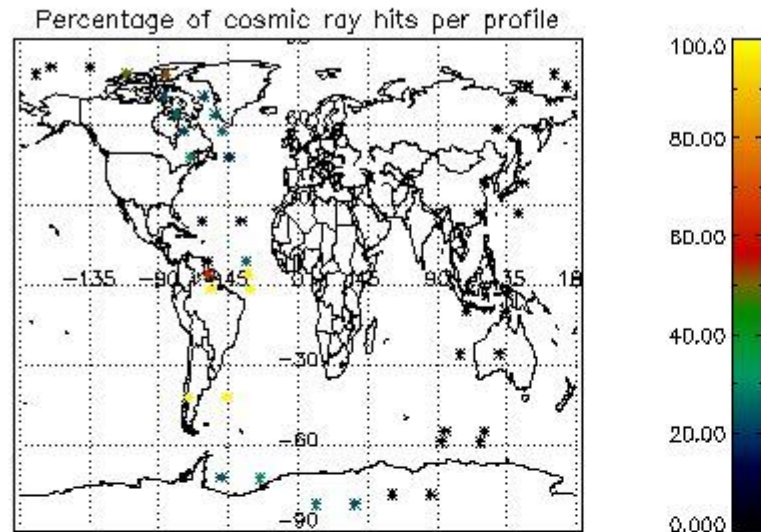
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	20.0000 %
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)



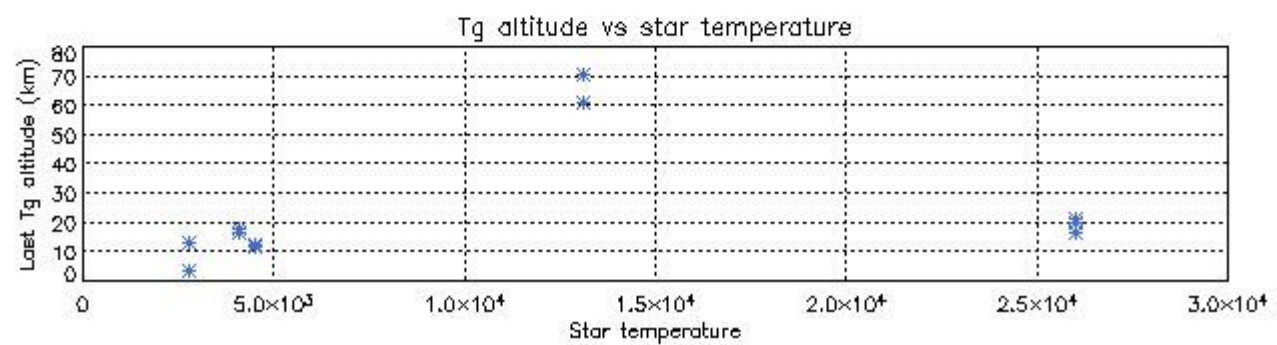
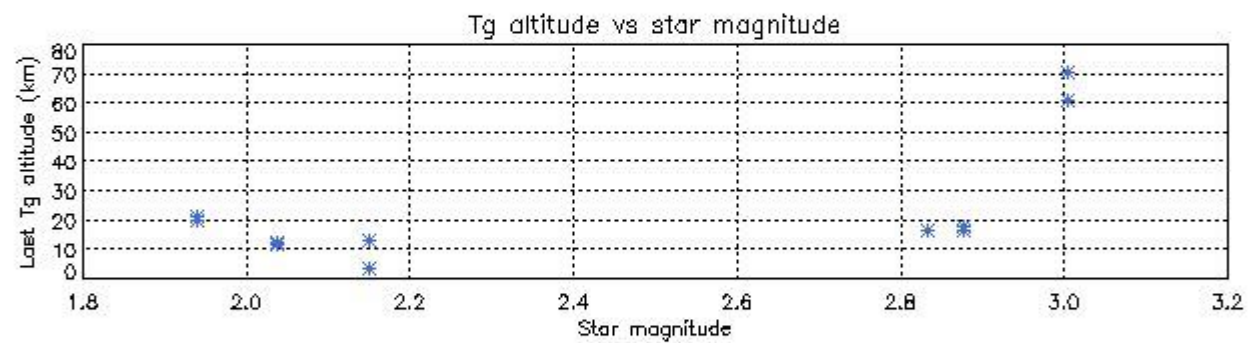
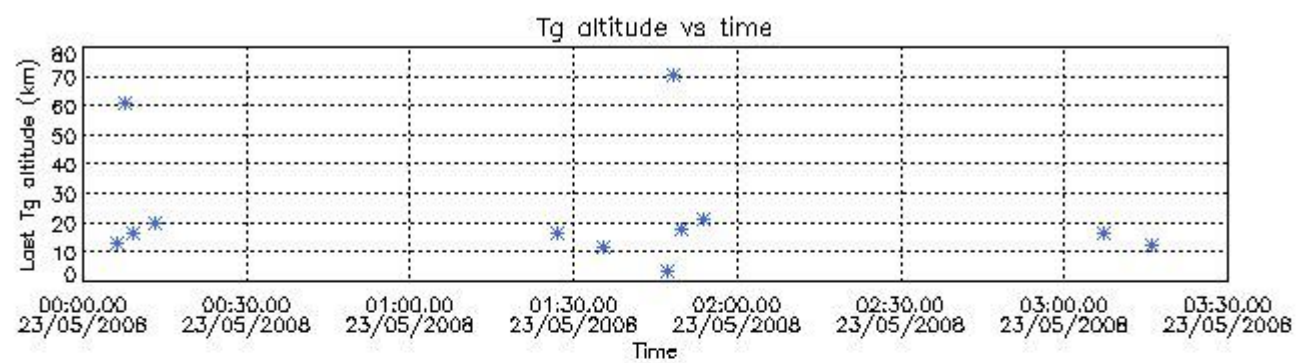
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	23.266	18.489	NaN
St. deviation:	20.402	6.5838	NaN
Maximum:	70.500	26.111	NaN
Minimum:	3.2781	3.8358	NaN
Number of data:	12.000	28.000	NaN

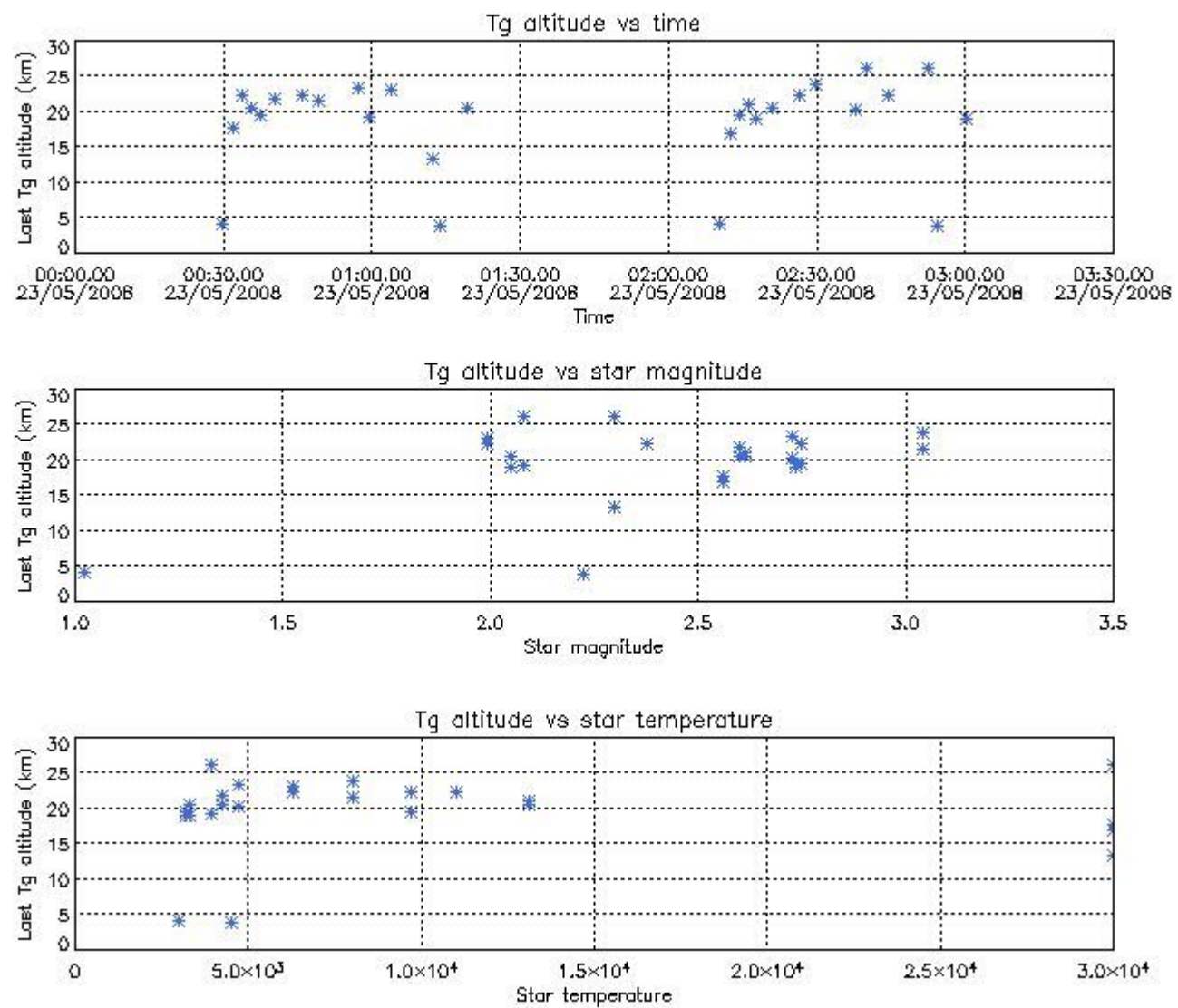
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

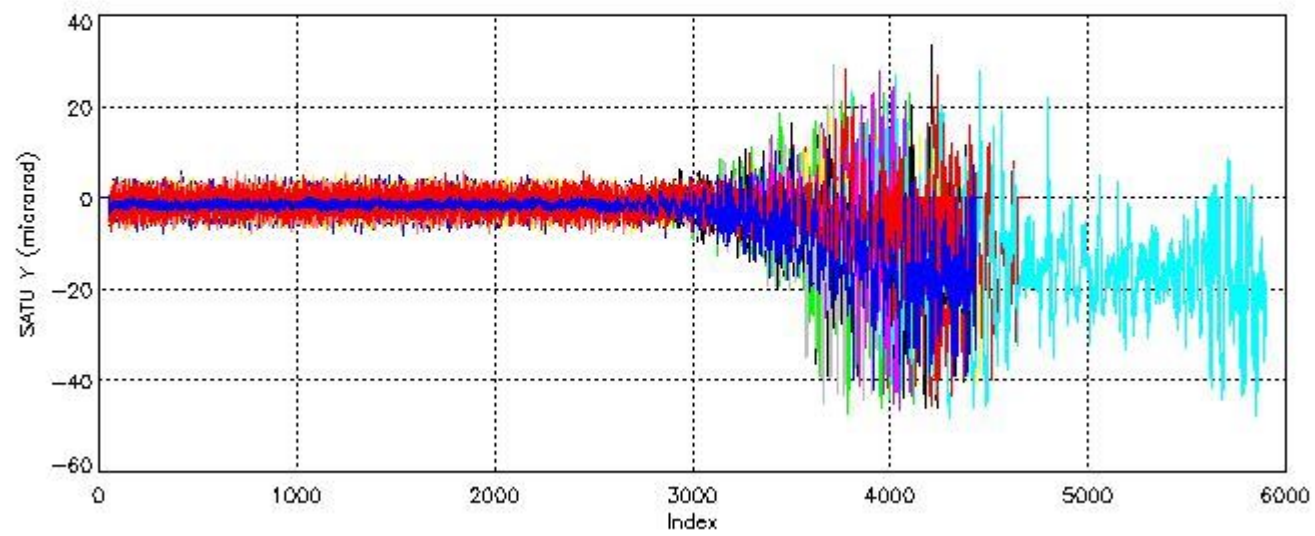
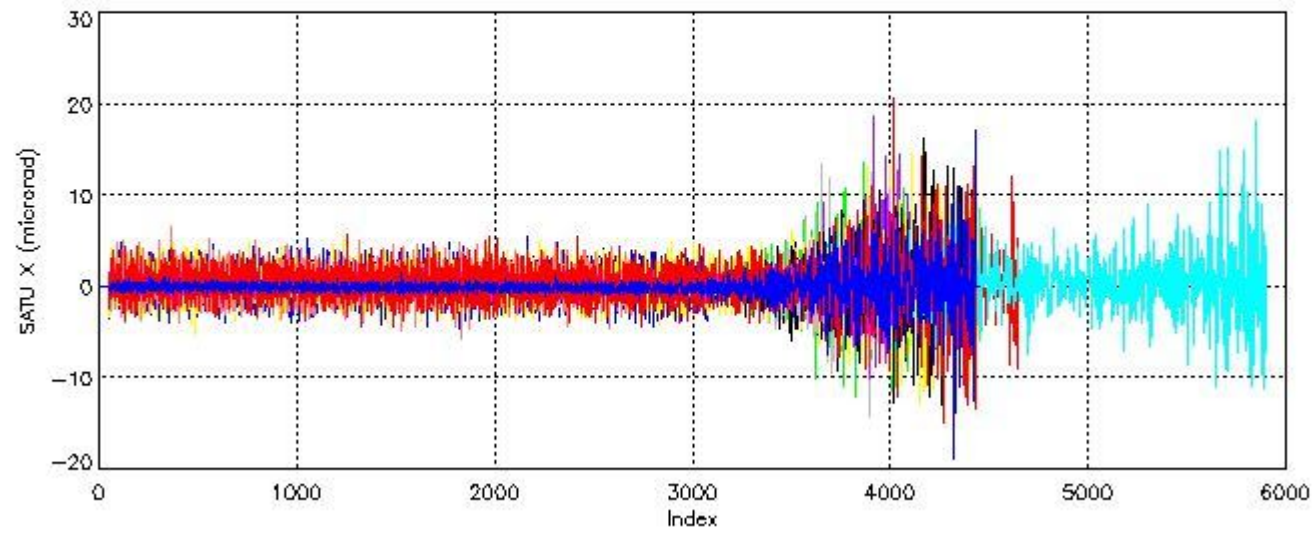


7. Star Acquisition and Tracking Unit (SATU)

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:	0.17028	-1.2723	0.18343	-1.3723
St. deviation:	0.76488	1.4087	0.71895	1.1640
Maximum:	6.6000	5.6000	21.400	5.0000
Minimum:	-5.2000	-8.1000	-9.1000	-8.0000

Number of data:	12050.	12050.	24350.	24350.
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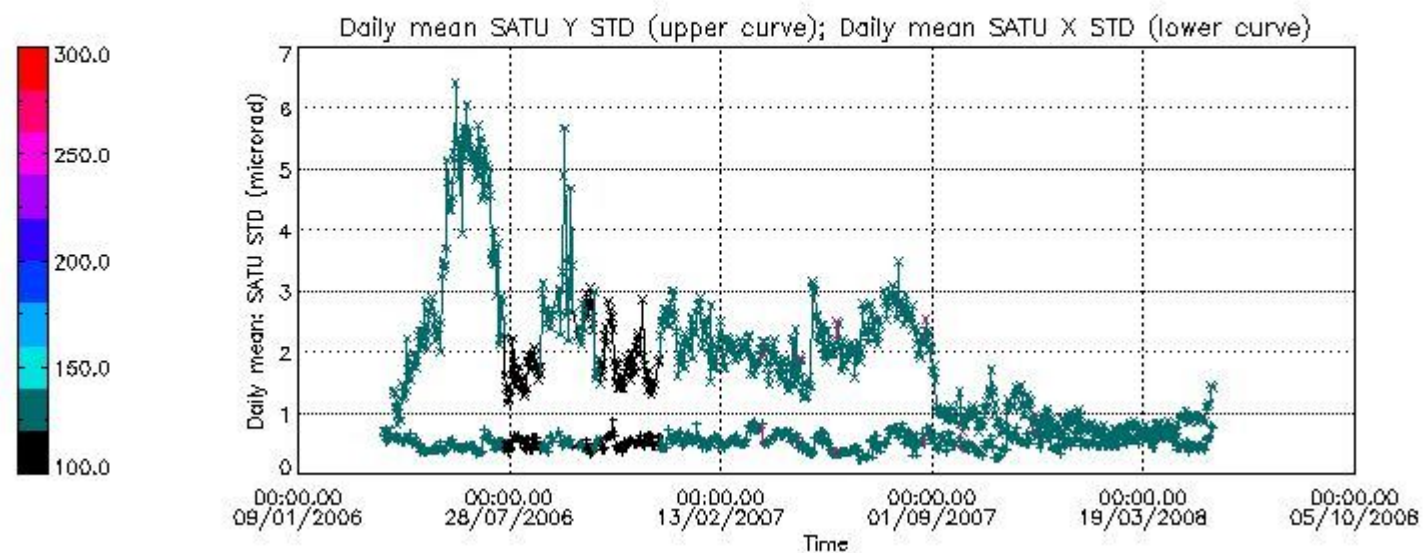
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

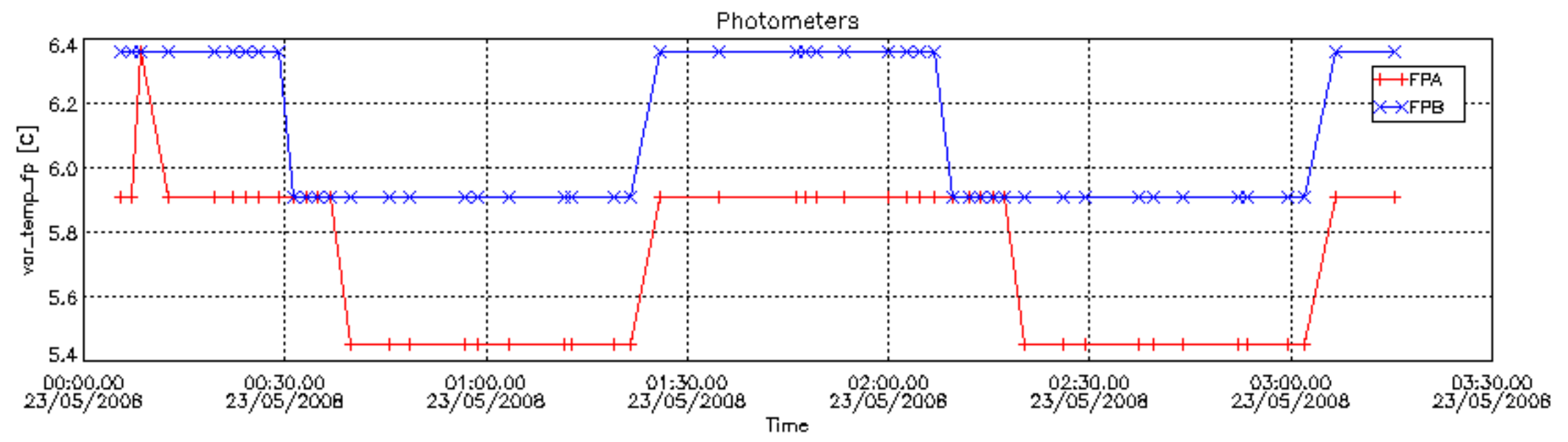
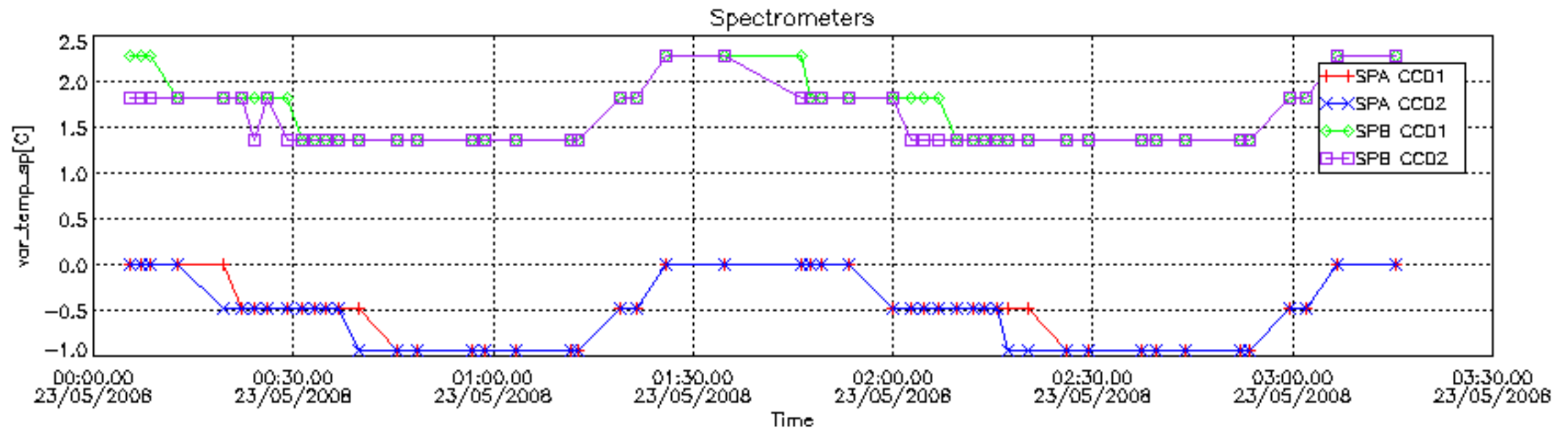
Lower curve: STD of SATU X axis

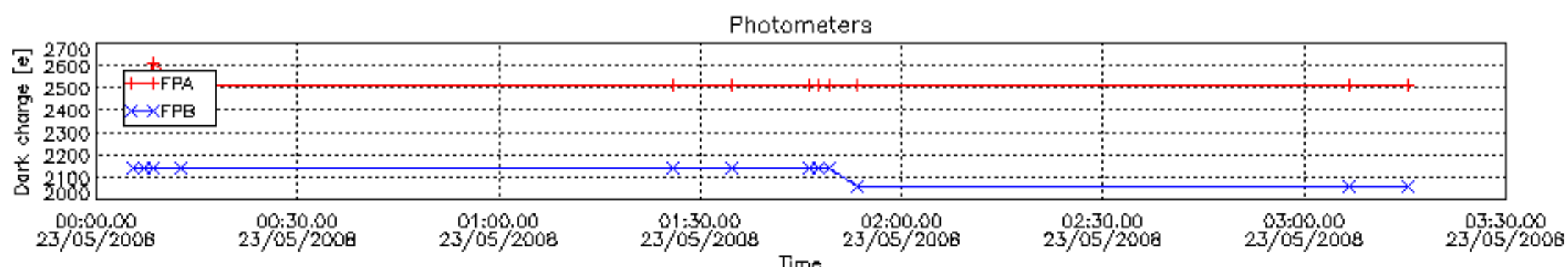
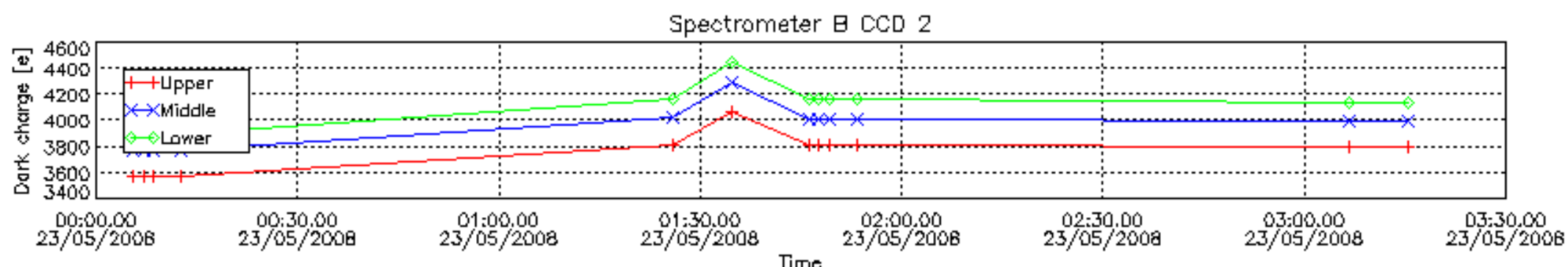
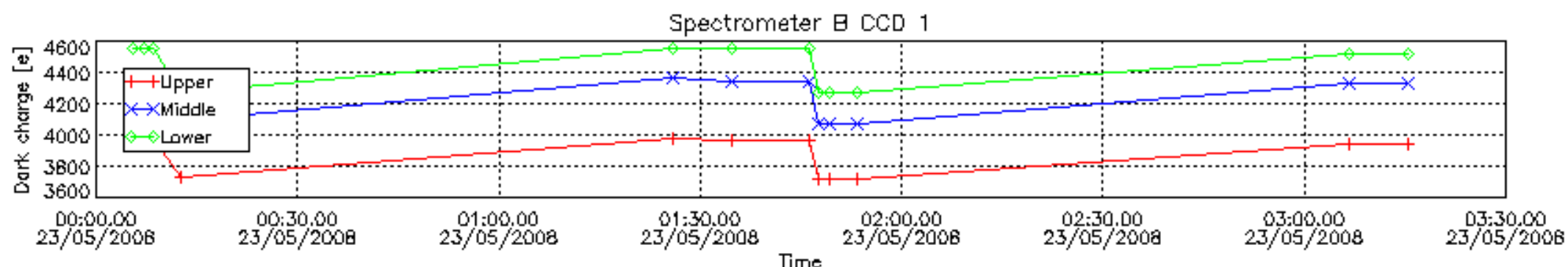
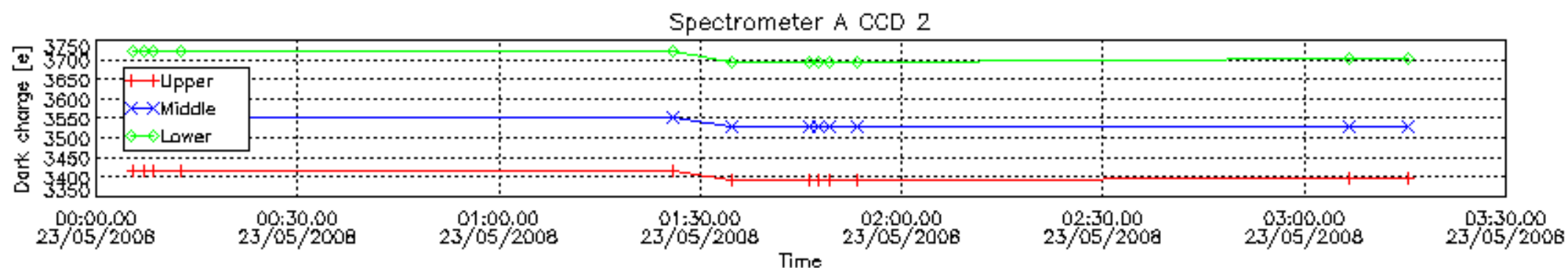
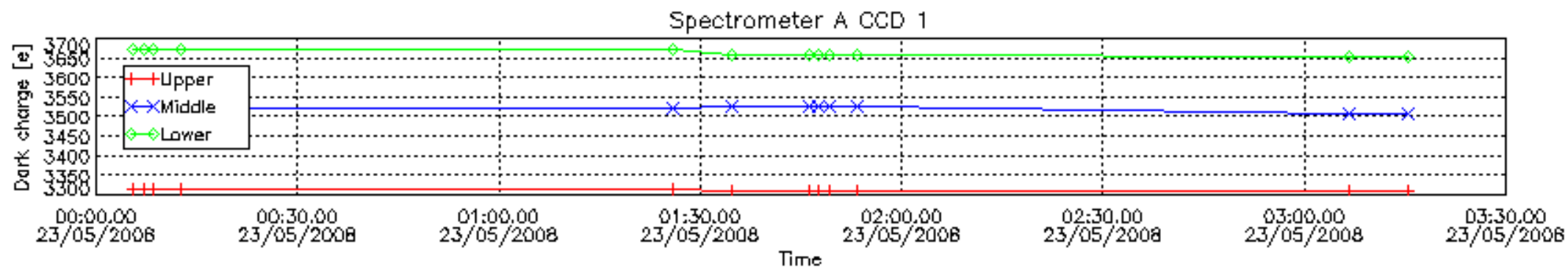


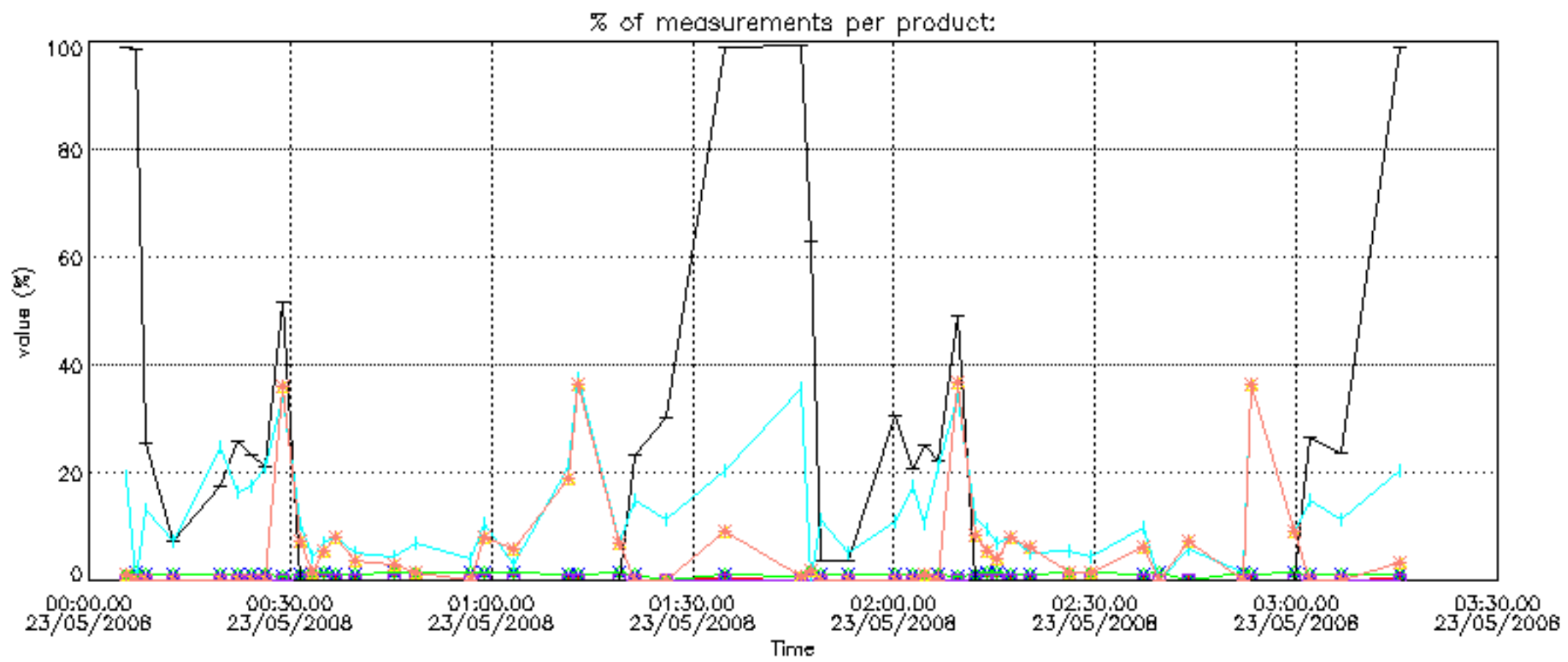
8. Auxiliary Data Files used for the production reported in section 2.4

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.

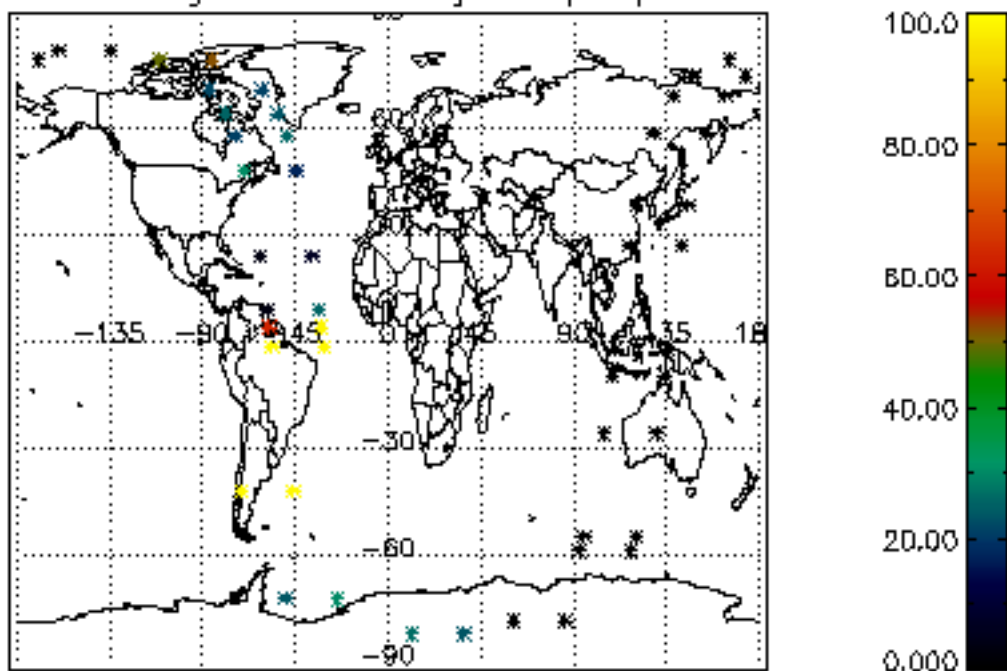
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	23-MAY-2008 00:05:36
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20080514_112535_20080512_000000_20100101_000000	1	23-MAY-2008 00:05:36
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	23-MAY-2008 00:05:36
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	23-MAY-2008 00:05:36
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	23-MAY-2008 00:05:36
ECMWF_FILE	AUX_ECF_AXNECM20080522_072114_20080522_210000_20080523_090000	1	23-MAY-2008 00:05:36
OPTIONAL_ECMWF_FILE	MISSING	1	23-MAY-2008 00:05:36
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080522_220917_000057382068_00444_32562_5586.N1	1	23-MAY-2008 00:05:36
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080522_235014_000057382068_00445_32563_5587.N1	25	23-MAY-2008 01:34:46
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080523_013111_000044632068_00446_32564_5588.N1	45	23-MAY-2008 02:52:11



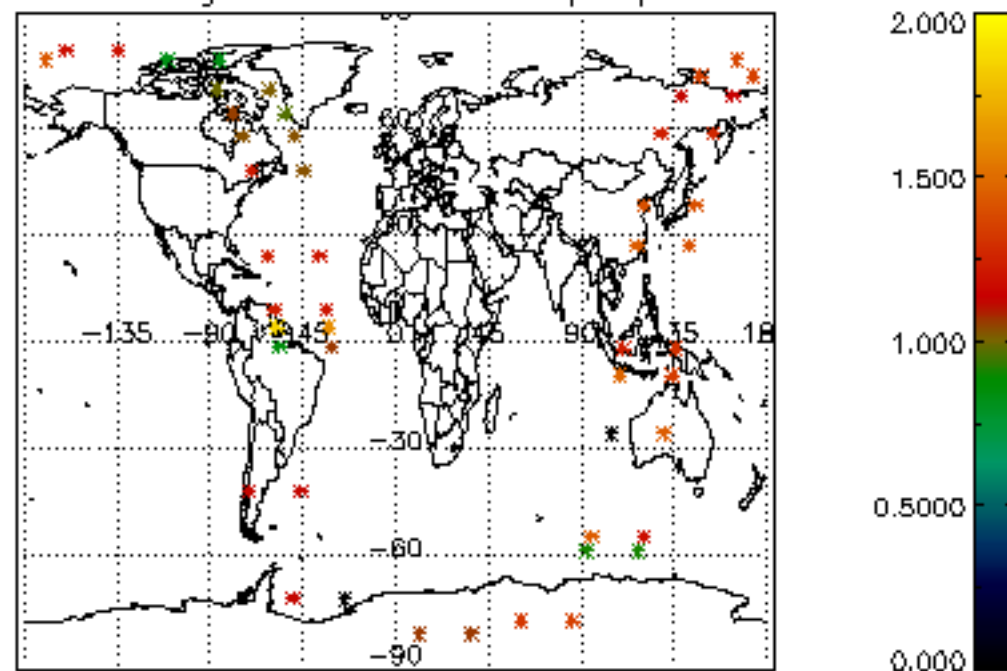




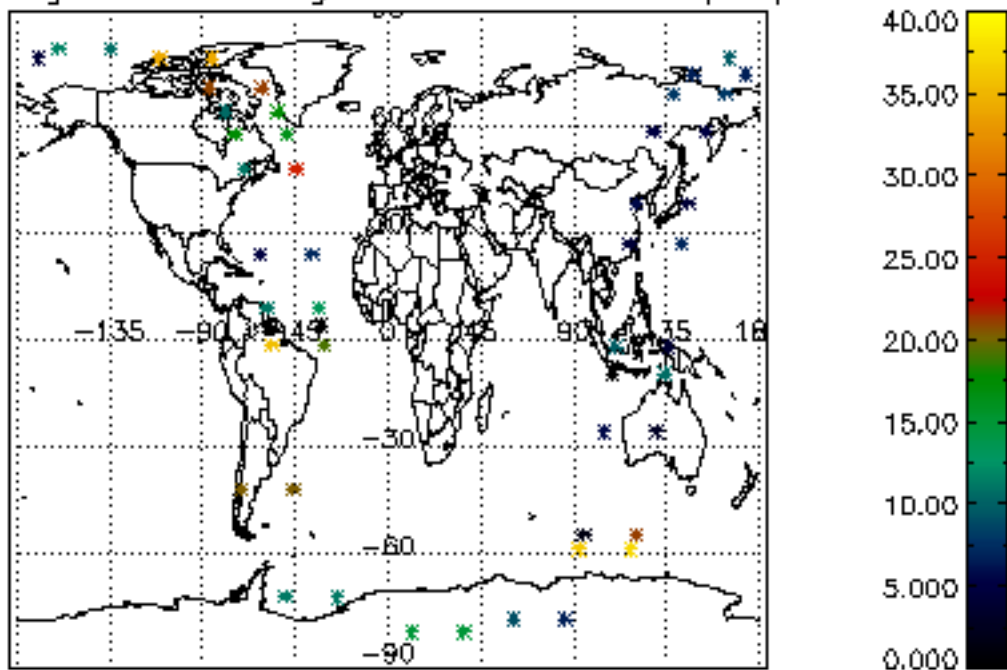
Percentage of cosmic ray hits per profile



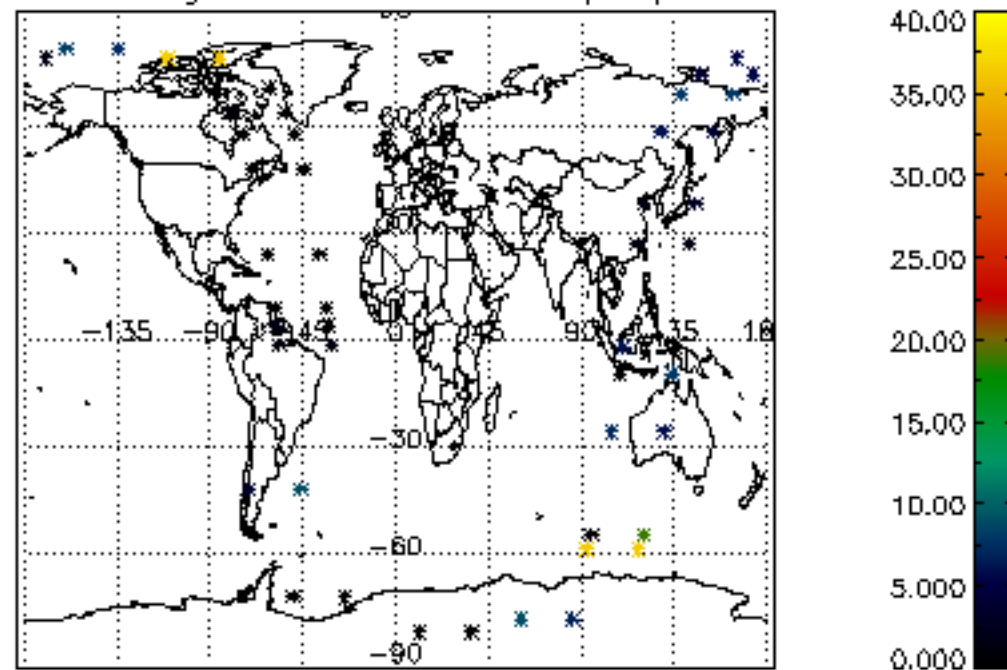
Percentage of datation errors per profile



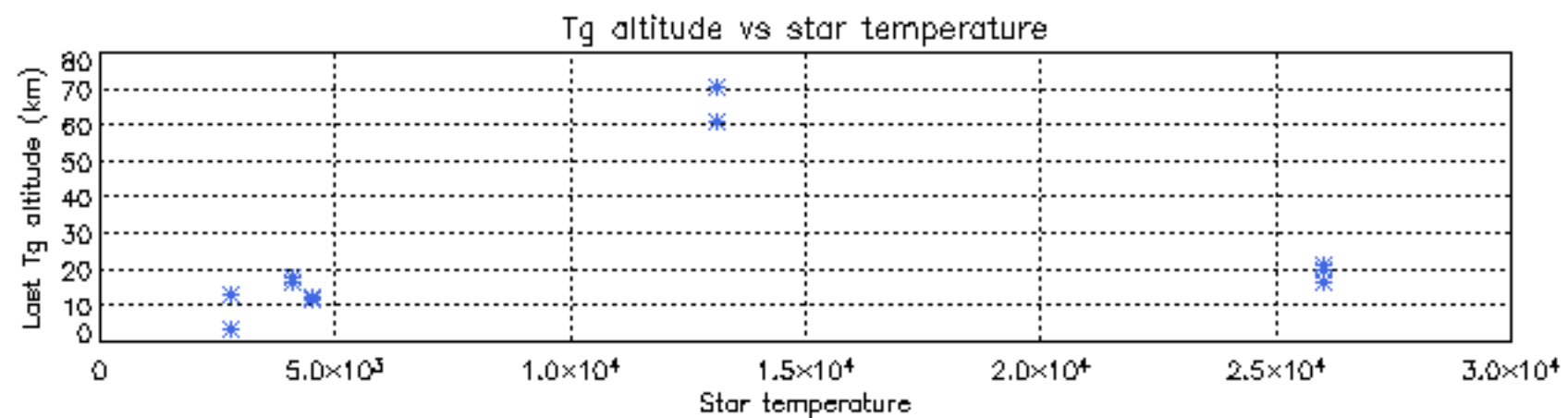
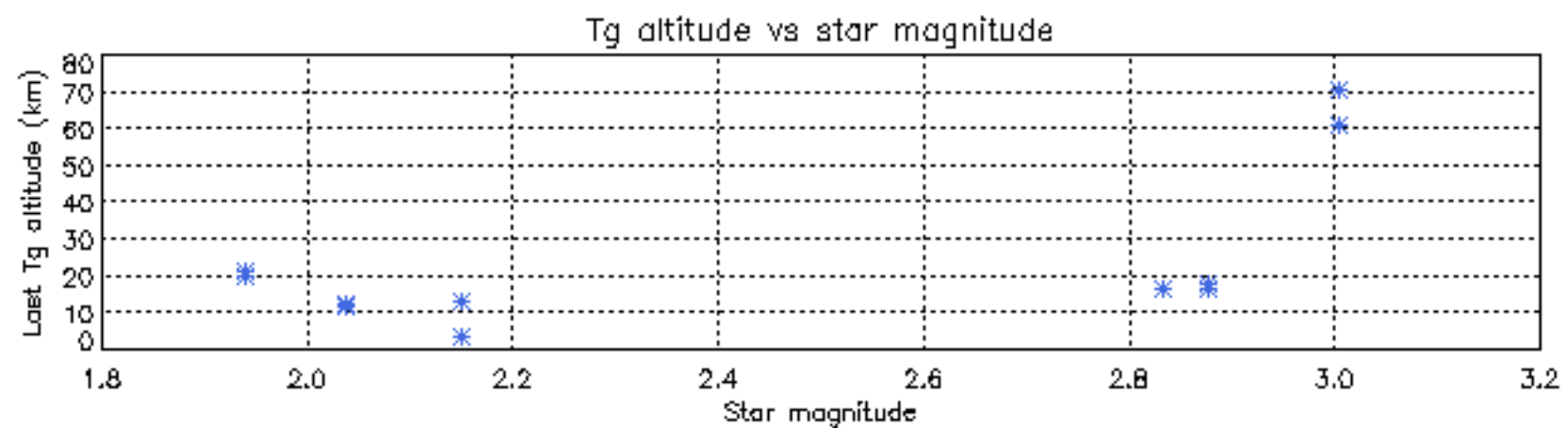
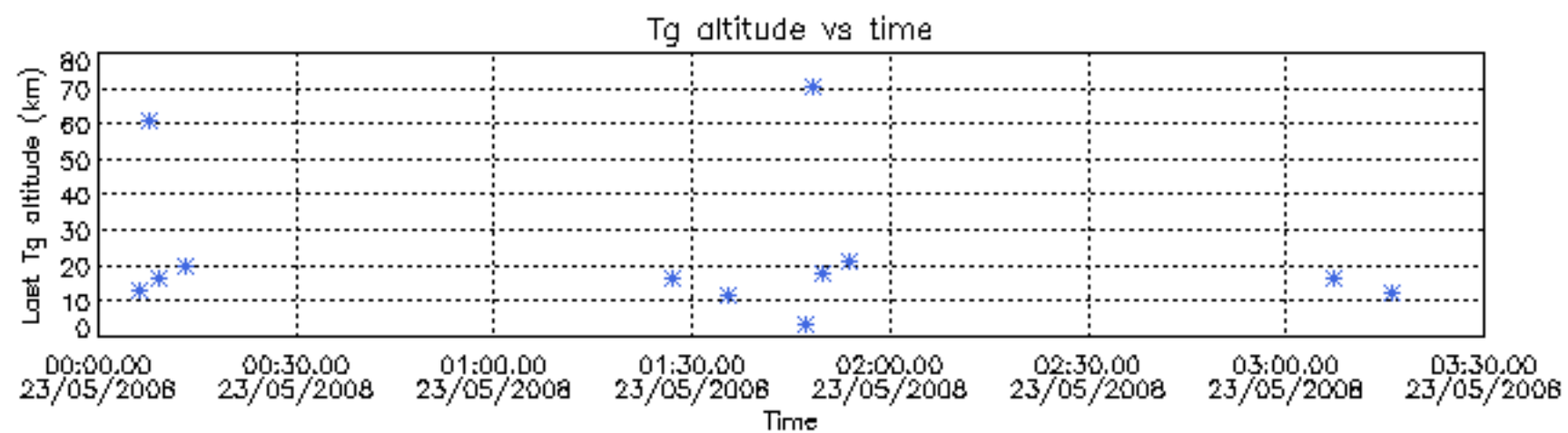
Percentage of star falling outside central band per profile



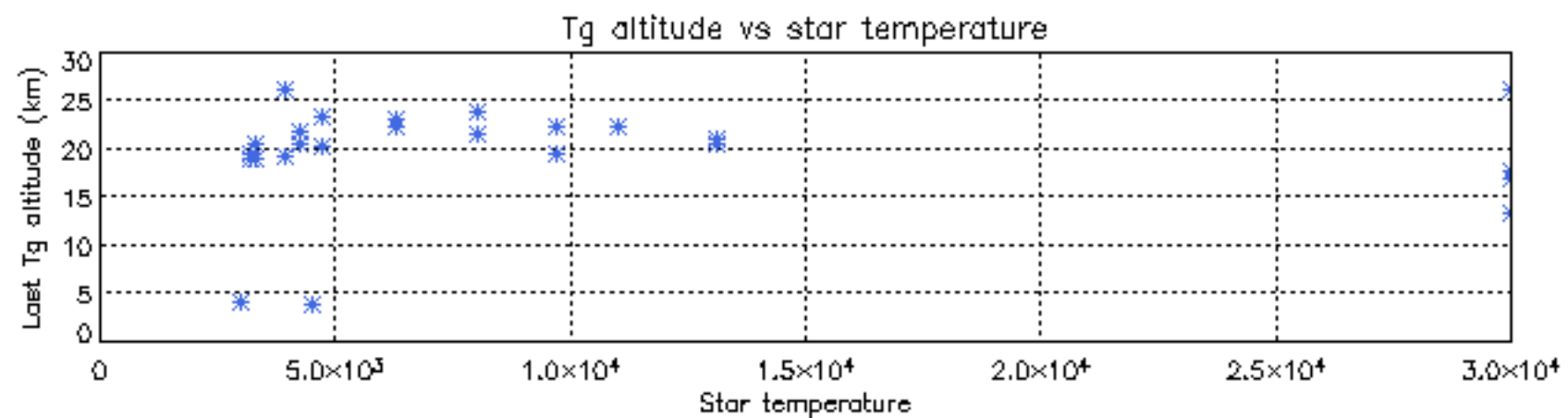
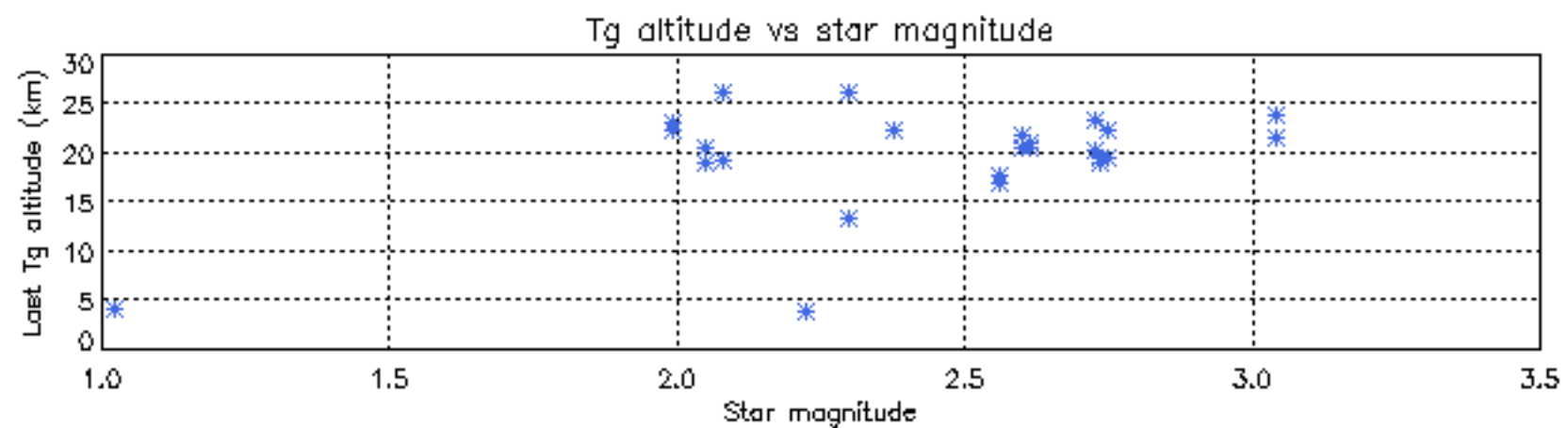
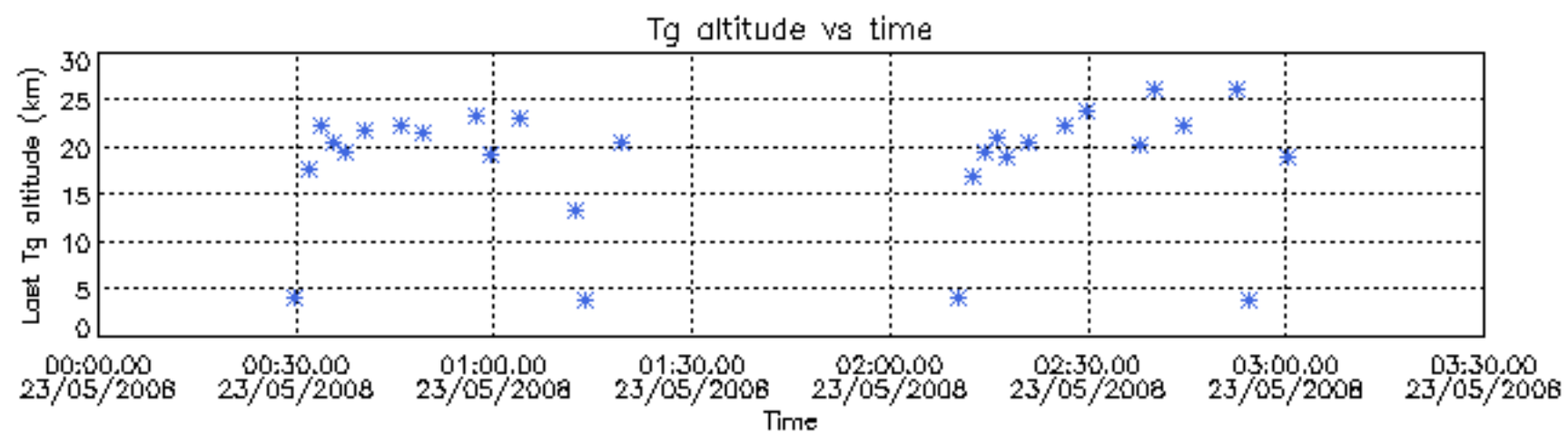
Percentage of saturation errors per profile

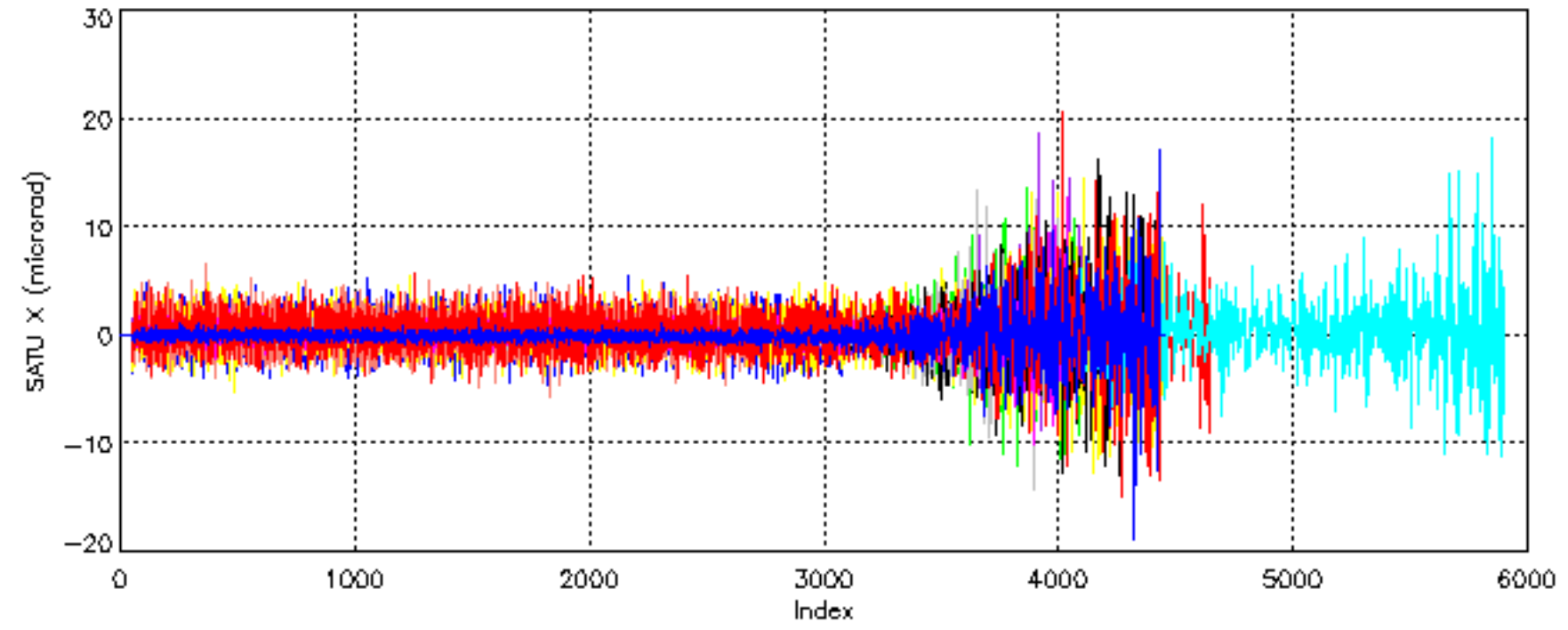


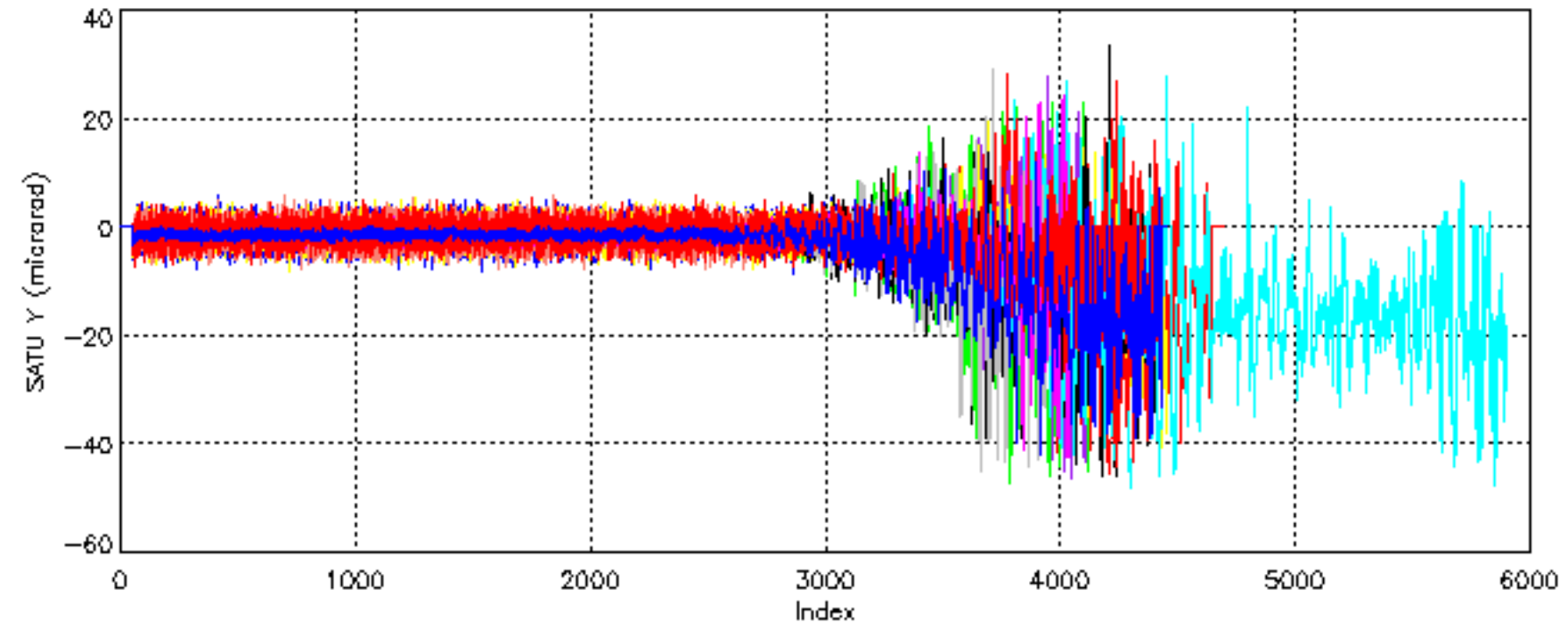
Tangent altitude at which the star is lost

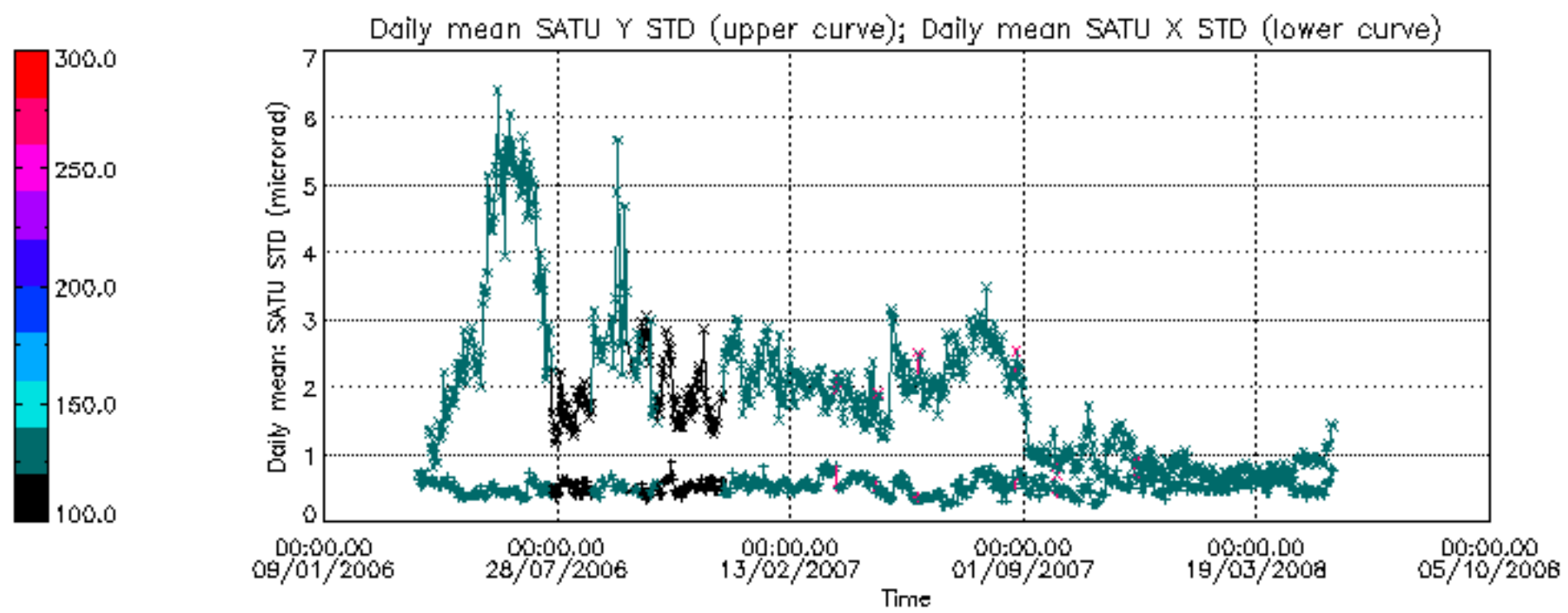


Tangent altitude at which the star is lost









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 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
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 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
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 4; -490.3; 01-MAY-2008 03:10:21; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;32250
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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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 6; -143.4; 01-MAY-2008 04:56:44; Dark ; 40.5; 31; Alp Gru ; 1.73; 15200;occ; 81; 0;32251
 7; 580.1; 01-MAY-2008 05:08:47; Dark ; 40.5; 43; Alp TrA ; 1.91; 4250;occ; 81; 0;32252
 8; 711.8; 01-MAY-2008 05:10:59; Dark ; 36.5; 134; Bet TrA ; 2.81; 6600;occ; 73; 0;32252
 9; 834.7; 01-MAY-2008 05:13:02; Dark ; 42.5; 4; Alp1Cen ; -0.01; 5800;occ; 85; 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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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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 2; 837.0; 01-MAY-2008 20:18:28; Dark ; 42.0; 4; Alp1Cen ;-0.01; 5800;occ; 84; 0;32261
 3; 926.7; 01-MAY-2008 20:19:57; Dark ; 43.0; 20; Bet Cru ; 1.25; 30000;occ; 86; 0;32261
 4; 1002.1; 01-MAY-2008 20:21:13; Dark ; 36.5; 77; Eps Cen ; 2.30; 28000;occ; 73; 0;32261
 5; 1108.7; 01-MAY-2008 20:22:59; Dark ; 39.5; 64; Gam Cen ; 2.20; 10600;occ; 79; 0;32261
 6; 1259.9; 01-MAY-2008 20:25:31; Dark ; 41.5; 54; 5The Cen ; 2.06; 4500;occ; 83; 0;32261
 7; 1515.7; 01-MAY-2008 20:29:46; Bright; 37.5; 169; 46Gam Hya ; 2.99; 4700;occ; 75; 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
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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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 3; -379.7; 01-MAY-2008 21:38:47; Dark ; 39.0; 84; Alp Phe ; 2.40; 4500;occ; 78; 0;32261
 4; -307.7; 01-MAY-2008 21:39:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32261
 5; -137.8; 01-MAY-2008 21:42:49; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;32261
 6; 16.0; 01-MAY-2008 21:45:22; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;32262
 7; 583.6; 01-MAY-2008 21:54:50; Dark ; 38.5; 43; Alp TrA ; 1.91; 4250;occ; 77; 0;32262
 8; 715.5; 01-MAY-2008 21:57:02; Dark ; 41.0; 134; Bet TrA ; 2.81; 6600;occ; 82; 0;32262
 9; 837.3; 01-MAY-2008 21:59:04; Dark ; 48.0; 4; Alp1Cen ;-0.01; 5800;occ; 96; 0;32262
10; 926.8; 01-MAY-2008 22:00:33; Dark ; 38.0; 20; Bet Cru ; 1.25; 30000;occ; 76; 0;32262
11; 1002.3; 01-MAY-2008 22:01:49; Dark ; 37.5; 77; Eps Cen ; 2.30; 28000;occ; 75; 0;32262
12; 1108.9; 01-MAY-2008 22:03:35; Dark ; 39.5; 64; Gam Cen ; 2.20; 10600;occ; 79; 0;32262
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25; 3920.9; 01-MAY-2008 22:50:27; Bright; 37.0; 110; 37Del Cas ; 2.68; 8900;occ; 74; 0;32262
26; 4002.1; 01-MAY-2008 22:51:49; Bright; 34.0; 68; 18Alp Cas ; 2.22; 4500;occ; 68; 0;32262
27; 5245.8; 01-MAY-2008 23:12:32; Dark ; 39.5; 52; 16Bet Cet ; 2.04; 4500;occ; 79; 0;32262
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4; 1143.6; 03-MAY-2008 19:20:20; Dark ; 39.5; 81; Eta Cen ; 2.36; 28000;occ; 79; 0;32289
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10; 2227.3; 03-MAY-2008 19:38:24; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;32289
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10; 727.6; 04-MAY-2008 06:57:36; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;32296
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 11; 254.1; 08-MAY-2008 08:04:27; Dark ; 39.0; 45; Alp Pav ; 1.94; 26000;occ; 78; 0;32354
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 13; 746.9; 08-MAY-2008 08:12:39; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;32354
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 17; 1280.8; 08-MAY-2008 08:21:33; Dark ; 42.5; 54; 5The Cen ; 2.06; 4500;occ; 85; 0;32354
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 18; 5955.5; 08-MAY-2008 09:39:28; Dark ; 41.5; 31; Alp Gru ; 1.73; 15200;occ; 83; 0;32354
 19; 6088.6; 08-MAY-2008 09:41:41; Dark ; 38.0; 148; Alp Tuc ; 2.88; 4100;occ; 76; 0;32354
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 22; 6783.2; 08-MAY-2008 09:53:16; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;32354
 23; 6895.6; 08-MAY-2008 09:55:08; Dark ; 39.0; 4; Alp1Cen ; -0.01; 5800;occ; 78; 0;32354
 24; 7106.0; 08-MAY-2008 09:58:38; Dark ; 37.0; 78; Alp Lup ; 2.30; 28000;occ; 74; 0;32354
 25; 7197.1; 08-MAY-2008 10:00:10; Dark ; 40.5; 81; Eta Cen ; 2.36; 28000;occ; 81; 0;32354
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 27; 7567.5; 08-MAY-2008 10:06:20; Bright; 37.5; 169; 46Gam Hya ; 2.99; 4700;occ; 75; 0;32354
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 9; 3445.5; 08-MAY-2008 10:38:14; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;32355

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 12; 4497.7; 08-MAY-2008 10:55:46; Bright; 38.0; 58; 21Alp And ; 2.07; 11000;occ; 76; 0;32355
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 19; 6089.0; 08-MAY-2008 11:22:17; Dark ; 38.0; 148; Alp Tuc ; 2.88; 4100;occ; 76; 0;32355
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 22; 6783.4; 08-MAY-2008 11:33:52; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;32355
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 26; 7317.0; 08-MAY-2008 11:42:45; Dark ; 43.5; 54; 5The Cen ; 2.06; 4500;occ; 87; 0;32355
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 11; 4008.7; 08-MAY-2008 12:28:13; Bright; 52.0; 68; 18Alp Cas ; 2.22; 4500;occ; 104; 0;32356
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 23; 6896.1; 08-MAY-2008 13:16:20; Dark ; 46.0; 4; Alp1Cen ;-0.01; 5800;occ; 92; 0;32356
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 26; 7317.2; 08-MAY-2008 13:23:22; Dark ; 43.0; 54; 5The Cen ; 2.06; 4500;occ; 86; 0;32356
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 4; 2222.1; 08-MAY-2008 13:39:02; Bright; 36.0; 111; 8Eta Boo ; 2.68; 6000;occ; 72; 0;32357
 5; 2565.1; 08-MAY-2008 13:44:45; Bright; 33.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 67; 0;32357
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 21; 6292.8; 08-MAY-2008 14:46:53; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;32357


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23; 6784.1; 08-MAY-2008 14:55:04; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32357
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25; 7106.9; 08-MAY-2008 15:00:27; Dark ; 37.0; 78; Alp Lup ; 2.30; 28000;occ; 74; 0;32357
26; 7198.0; 08-MAY-2008 15:01:58; Dark ; 40.0; 81; Eta Cen ; 2.36; 28000;occ; 80; 0;32357
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18; 5607.9; 08-MAY-2008 17:56:40; Dark ; 50.0; 18; 24Alp PsA ; 1.17; 9700;occ; 100; 0;32359
19; 5758.7; 08-MAY-2008 17:59:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32359
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22; 6090.9; 08-MAY-2008 18:04:43; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;32359
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25; 6784.8; 08-MAY-2008 18:16:17; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32359
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 22; 6657.2; 09-MAY-2008 16:01:56; Dark ; 40.5; 43; Alp TrA ; 1.91; 4250;occ; 81; 0;32372
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26; 7208.1; 11-MAY-2008 13:27:18; Dark ; 39.5; 81; Eta Cen ; 2.36; 28000;occ; 79; 0;32399
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 24; 7217.6; 14-MAY-2008 11:52:36; Dark ; 37.5; 81; Eta Cen ; 2.36; 28000;occ; 75; 0;32441
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 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
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 25; 7218.0; 14-MAY-2008 13:33:13; Dark ; 37.0; 81; Eta Cen ; 2.36; 28000;occ; 74; 0;32442
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 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
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 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
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 8; 2841.8; 15-MAY-2008 16:50:27; Bright; 37.0; 55; 79Zet UMa ; 2.06; 10200;occ; 74; 0;32459

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 21; 6814.7; 15-MAY-2008 17:56:40; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;32459
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 23; 7131.1; 15-MAY-2008 18:01:56; Dark ; 35.5; 78; Alp Lup ; 2.30; 28000;occ; 71; 0;32459

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 15; 5288.6; 15-MAY-2008 19:11:50; Dark ; 43.5; 52; 16Bet Cet ; 2.04; 4500;occ; 87; 0;32460
 16; 5576.9; 15-MAY-2008 19:16:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32460
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 22; 6814.8; 15-MAY-2008 19:37:16; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32460
 23; 6916.6; 15-MAY-2008 19:38:58; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;32460

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 10; 1186.2; 16-MAY-2008 00:45:51; Dark ; 38.0; 81; Eta Cen ; 2.36; 28000;occ; 76; 0;32464
 11; 1301.4; 16-MAY-2008 00:47:46; Dark ; 42.0; 54; 5The Cen ; 2.06; 4500;occ; 84; 0;32464
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 16; 2570.1; 16-MAY-2008 01:08:55; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;32464
 17; 2745.4; 16-MAY-2008 01:11:50; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;32464
 18; 2842.0; 16-MAY-2008 01:13:27; Bright; 36.0; 55; 79Zet UMa ; 2.06; 10200;occ; 72; 0;32464
 19; 3182.6; 16-MAY-2008 01:19:08; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32464
 20; 3446.1; 16-MAY-2008 01:23:31; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32464
 21; 3937.9; 16-MAY-2008 01:31:43; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;32464
 22; 4011.6; 16-MAY-2008 01:32:57; Bright; 52.5; 68; 18Alp Cas ; 2.22; 4500;occ; 105; 0;32464

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 5; 102.5; 16-MAY-2008 02:08:23; Dark ; 38.5; 148; Alp Tuc ; 2.88; 4100;occ; 77; 0;32465


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8; 780.0; 16-MAY-2008 02:19:41; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;32465
9; 881.2; 16-MAY-2008 02:21:22; Dark ; 47.5; 4; Alp1Cen ;-0.01; 5800;occ; 95; 0;32465
10; 1096.2; 16-MAY-2008 02:24:57; Dark ; 39.0; 78; Alp Lup ; 2.30; 28000;occ; 78; 0;32465
11; 1186.4; 16-MAY-2008 02:26:27; Dark ; 37.0; 81; Eta Cen ; 2.36; 28000;occ; 74; 0;32465
12; 1301.6; 16-MAY-2008 02:28:22; Dark ; 42.5; 54; 5The Cen ; 2.06; 4500;occ; 85; 0;32465
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17; 2570.0; 16-MAY-2008 02:49:31; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;32465
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9; 649.9; 16-MAY-2008 03:58:07; Dark ; 38.0; 43; Alp TrA ; 1.91; 4250;occ; 76; 0;32466
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11; 881.6; 16-MAY-2008 04:01:58; Dark ; 40.5; 4; Alp1Cen ;-0.01; 5800;occ; 81; 0;32466
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18; 2223.4; 16-MAY-2008 04:24:20; Bright; 35.0; 111; 8Eta Boo ; 2.68; 6000;occ; 70; 0;32466
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7; 103.6; 16-MAY-2008 05:29:36; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;32467
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9; 650.2; 16-MAY-2008 05:38:43; Dark ; 38.0; 43; Alp TrA ; 1.91; 4250;occ; 76; 0;32467
10; 780.8; 16-MAY-2008 05:40:54; Dark ; 36.0; 134; Bet TrA ; 2.81; 6600;occ; 72; 0;32467
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22; 3182.5; 16-MAY-2008 06:20:55; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32467
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 13; 4011.6; 16-MAY-2008 21:40:08; Bright; 37.5; 68; 18Alp Cas ; 2.22; 4500;occ; 75; 0;32476
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 5; 108.4; 16-MAY-2008 22:15:41; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;32477
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23; 3446.3; 18-MAY-2008 00:20:17; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32492
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22; 7075.3; 17-MAY-2008 08:34:47; Dark ; 28.0; 25; 35Lam Sco ; 1.62; 28000;occ; 56; 0;32482
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26; 7655.4; 17-MAY-2008 08:44:27; Bright; 37.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 74; 0;32482
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5; 2745.5; 17-MAY-2008 09:03:13; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;32483
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21; 6808.0; 17-MAY-2008 13:32:08; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32485
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25; 7394.8; 17-MAY-2008 13:41:54; Dark ; 58.0; 16; 21Alp Sco ; 1.02; 3000;occ; 116; 0;32485
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 6; 2040.0; 17-MAY-2008 17:14:27; Bright; 42.5; 102; 24Alp Ser ; 2.60; 4250;occ; 85; 0;32488
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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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 17; 4773.5; 17-MAY-2008 18:00:01; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;32488
 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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 21; 5960.7; 17-MAY-2008 18:19:48; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;32488
 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
 25; 6809.6; 17-MAY-2008 18:33:57; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;32488
 26; 6967.3; 17-MAY-2008 18:36:35; Dark ; 36.0; 40; The Sco ; 1.86; 7100;occ; 72; 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
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 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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 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
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 26; 6385.0; 17-MAY-2008 20:07:28; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 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
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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
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 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
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15; 1156.7; 18-MAY-2008 03:03:19; Dark ; 38.0; 131; Gam Lup ; 2.80; 26000;occ; 76; 0;32494
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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
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26; 3179.2; 18-MAY-2008 05:17:38; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;32495
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26; 3179.1; 18-MAY-2008 06:58:14; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32496
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 6; 2746.3; 19-MAY-2008 09:40:36; Bright; 33.5; 39; 85Eta UMa ; 1.85; 24000;occ; 67; 0;32512
 7; 3068.4; 19-MAY-2008 09:45:58; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32512
 8; 3177.5; 19-MAY-2008 09:47:47; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;32512
 9; 3446.4; 19-MAY-2008 09:52:16; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;32512
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11; 4011.1; 19-MAY-2008 10:01:41; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;32512
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13; 4780.8; 19-MAY-2008 10:14:30; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;32512
14; 5306.6; 19-MAY-2008 10:23:16; Dark ; 40.5; 52; 16Bet Cet ; 2.04; 4500;occ; 81; 0;32512
15; 5725.8; 19-MAY-2008 10:30:15; Dark ; 53.0; 18; 24Alp PsA ; 1.17; 9700;occ; 106; 0;32512
16; 5823.5; 19-MAY-2008 10:31:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32512
17; 5976.8; 19-MAY-2008 10:34:27; Dark ; 46.0; 63; Bet Gru ; 2.15; 2800;occ; 92; 0;32512
18; 6071.8; 19-MAY-2008 10:36:01; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;32512
19; 6401.1; 19-MAY-2008 10:41:31; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32512
20; 6821.1; 19-MAY-2008 10:48:31; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32512
21; 6981.7; 19-MAY-2008 10:51:11; Dark ; 44.5; 40; The Sco ; 1.86; 7100;occ; 89; 0;32512
22; 7093.1; 19-MAY-2008 10:53:03; Dark ; 50.0; 25; 35Lam Sco ; 1.62; 28000;occ; 100; 0;32512
23; 7224.2; 19-MAY-2008 10:55:14; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;32512
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 4; 2374.9; 19-MAY-2008 11:15:00; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;32513
 5; 2564.0; 19-MAY-2008 11:18:10; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;32513
 6; 2746.3; 19-MAY-2008 11:21:12; Bright; 34.5; 39; 85Eta UMa ; 1.85; 24000;occ; 69; 0;32513
 7; 3177.4; 19-MAY-2008 11:28:23; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;32513
 8; 3446.4; 19-MAY-2008 11:32:52; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;32513
 9; 3938.0; 19-MAY-2008 11:41:04; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;32513
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11; 4523.8; 19-MAY-2008 11:50:49; Dark ; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;32513
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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 17; 6072.6; 19-MAY-2008 12:16:38; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;32513
 18; 6401.9; 19-MAY-2008 12:22:07; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32513
 19; 6821.6; 19-MAY-2008 12:29:07; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;32513
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 21; 7093.7; 19-MAY-2008 12:33:39; Dark ; 50.5; 25; 35Lam Sco ; 1.62; 28000;occ; 101; 0;32513
 22; 7224.7; 19-MAY-2008 12:35:50; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;32513
 23; 7402.9; 19-MAY-2008 12:38:48; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;32513
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 5; 2374.7; 19-MAY-2008 12:55:36; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;32514
 6; 2563.9; 19-MAY-2008 12:58:45; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;32514
 7; 2746.4; 19-MAY-2008 13:01:48; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;32514
 8; 3067.5; 19-MAY-2008 13:07:09; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32514
 9; 3177.3; 19-MAY-2008 13:08:59; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32514
 10; 3446.5; 19-MAY-2008 13:13:28; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;32514
 11; 3938.3; 19-MAY-2008 13:21:40; Bright; 33.5; 76; 27Gam Cas ; 2.30; 30000;occ; 67; 0;32514
 12; 4011.1; 19-MAY-2008 13:22:53; Bright; 34.0; 68; 18Alp Cas ; 2.22; 4500;occ; 68; 0;32514
 13; 4524.1; 19-MAY-2008 13:31:26; Dark ; 45.5; 58; 21Alp And ; 2.07; 11000;occ; 91; 0;32514
 14; 4781.6; 19-MAY-2008 13:35:43; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;32514
 15; 5307.4; 19-MAY-2008 13:44:29; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;32514
 16; 5727.6; 19-MAY-2008 13:51:29; Dark ; 52.0; 18; 24Alp PsA ; 1.17; 9700;occ; 104; 0;32514
 17; 5824.5; 19-MAY-2008 13:53:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32514
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 19; 6073.5; 19-MAY-2008 13:57:15; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;32514
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 21; 6822.1; 19-MAY-2008 14:09:44; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;32514
 22; 6982.9; 19-MAY-2008 14:12:24; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;32514
 23; 7094.3; 19-MAY-2008 14:14:16; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;32514
 24; 7225.3; 19-MAY-2008 14:16:27; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;32514
 25; 7403.2; 19-MAY-2008 14:19:25; Dark ; 62.0; 16; 21Alp Sco ; 1.02; 3000;occ; 124; 0;32514
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 3; 1730.7; 19-MAY-2008 14:25:28; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;32515
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 5; 2235.1; 19-MAY-2008 14:33:52; Bright; 35.0; 3; 16Alp Boo ; -0.05; 4250;occ; 70; 0;32515
 6; 2374.8; 19-MAY-2008 14:36:12; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;32515
 7; 2563.8; 19-MAY-2008 14:39:21; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;32515
 8; 2746.5; 19-MAY-2008 14:42:24; Bright; 35.0; 39; 85Eta UMa ; 1.85; 24000;occ; 70; 0;32515
 9; 3067.2; 19-MAY-2008 14:47:45; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;32515
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 11; 3446.7; 19-MAY-2008 14:54:04; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;32515
 12; 3938.3; 19-MAY-2008 15:02:16; Bright; 44.5; 76; 27Gam Cas ; 2.30; 30000;occ; 89; 0;32515
 13; 4011.2; 19-MAY-2008 15:03:29; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;32515
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 16; 5307.9; 19-MAY-2008 15:25:05; Dark ; 41.5; 52; 16Bet Cet ; 2.04; 4500;occ; 83; 0;32515
 17; 5728.6; 19-MAY-2008 15:32:06; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;32515
 18; 5825.0; 19-MAY-2008 15:33:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32515
 19; 5979.2; 19-MAY-2008 15:36:17; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;32515
 20; 6074.3; 19-MAY-2008 15:37:52; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;32515
 21; 6403.3; 19-MAY-2008 15:43:21; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32515
 22; 6822.7; 19-MAY-2008 15:50:20; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;32515
 23; 6983.6; 19-MAY-2008 15:53:01; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;32515
 24; 7095.1; 19-MAY-2008 15:54:52; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;32515
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3; 1623.8; 19-MAY-2008 16:04:17; Bright; 37.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 74; 0;32516
4; 1730.8; 19-MAY-2008 16:06:04; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;32516
5; 2033.9; 19-MAY-2008 16:11:07; Bright; 41.0; 102; 24Alp Ser ; 2.60; 4250;occ; 82; 0;32516
6; 2235.2; 19-MAY-2008 16:14:28; Bright; 35.0; 3; 16Alp Boo ; -0.05; 4250;occ; 70; 0;32516
7; 2374.6; 19-MAY-2008 16:16:48; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;32516
8; 2563.7; 19-MAY-2008 16:19:57; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;32516
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19; 5979.8; 19-MAY-2008 17:16:53; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;32516
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22; 6823.1; 19-MAY-2008 17:30:56; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;32516
23; 6984.2; 19-MAY-2008 17:33:38; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;32516
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4; 1367.8; 19-MAY-2008 17:40:37; Dark ; 57.5; 16; 21Alp Sco ; 1.02; 3000;occ; 115; 0;32517
5; 1517.1; 19-MAY-2008 17:43:06; Bright; 44.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 88; 0;32517
6; 1624.0; 19-MAY-2008 17:44:53; Bright; 37.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 74; 0;32517
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13; 4791.2; 21-MAY-2008 12:32:39; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;32542
14; 5318.4; 21-MAY-2008 12:41:26; Dark ; 42.5; 52; 16Bet Cet ; 2.04; 4500;occ; 85; 0;32542
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24; 7557.1; 21-MAY-2008 13:18:45; Bright; 42.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 85; 0;32542
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 9; 2028.0; 21-MAY-2008 20:09:35; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;32547
10; 2236.6; 21-MAY-2008 20:13:04; Bright; 36.0; 3; 16Alp Boo ; -0.05; 4250;occ; 72; 0;32547
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13; 3053.8; 21-MAY-2008 20:26:41; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;32547
14; 3174.0; 21-MAY-2008 20:28:41; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32547
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 6; 389.9; 21-MAY-2008 21:22:53; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32548
 7; 801.4; 21-MAY-2008 21:29:45; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;32548
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 9; 1076.9; 21-MAY-2008 21:34:20; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;32548
10; 1202.4; 21-MAY-2008 21:36:26; Dark ; 53.0; 75; 26Eps Sco ; 2.29; 4250;occ; 106; 0;32548
11; 1376.2; 21-MAY-2008 21:39:19; Dark ; 57.5; 16; 21Alp Sco ; 1.02; 3000;occ; 115; 0;32548
12; 1521.9; 21-MAY-2008 21:41:45; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;32548
13; 1628.3; 21-MAY-2008 21:43:31; Bright; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;32548
14; 1733.2; 21-MAY-2008 21:45:16; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;32548

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 16; 2027.8; 21-MAY-2008 21:50:11; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;32548
 17; 2236.6; 21-MAY-2008 21:53:40; Bright; 37.5; 3; 16Alp Boo ;-0.05; 4250;occ; 75; 0;32548
 18; 2371.5; 21-MAY-2008 21:55:55; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;32548
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 9; 1202.8; 21-MAY-2008 23:17:02; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;32549
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 12; 1628.4; 21-MAY-2008 23:24:07; Bright; 37.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 74; 0;32549
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 17; 2371.3; 21-MAY-2008 23:36:30; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;32549
 18; 2561.1; 21-MAY-2008 23:39:40; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;32549
 19; 3053.0; 21-MAY-2008 23:47:52; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32549
 20; 3173.8; 21-MAY-2008 23:49:53; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;32549
 21; 3446.5; 21-MAY-2008 23:54:26; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;32549
 22; 3937.6; 22-MAY-2008 00:02:37; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;32549
 23; 4009.9; 22-MAY-2008 00:03:49; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;32549
 24; 4529.9; 22-MAY-2008 00:12:29; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;32549
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 3; 2028.8; 21-MAY-2008 13:27:12; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;32543
 4; 2236.5; 21-MAY-2008 13:30:40; Bright; 34.5; 3; 16Alp Boo ;-0.05; 4250;occ; 69; 0;32543
 5; 2372.0; 21-MAY-2008 13:32:55; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;32543
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 7; 3055.7; 21-MAY-2008 13:44:19; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32543
 8; 3174.5; 21-MAY-2008 13:46:18; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;32543
 9; 3446.7; 21-MAY-2008 13:50:50; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;32543
 10; 3937.8; 21-MAY-2008 13:59:01; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32543
 11; 4010.2; 21-MAY-2008 14:00:14; Bright; 54.0; 68; 18Alp Cas ; 2.22; 4500;occ; 108; 0;32543
 12; 4529.1; 21-MAY-2008 14:08:52; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;32543
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 19; 6835.6; 21-MAY-2008 14:47:19; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;32543
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 21; 7110.9; 21-MAY-2008 14:51:54; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;32543
 22; 7236.9; 21-MAY-2008 14:54:00; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;32543
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 3; 1732.8; 21-MAY-2008 15:02:52; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;32544


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22; 7111.6; 21-MAY-2008 16:32:31; Dark ; 50.5; 25; 35Lam Sco ; 1.62; 28000;occ; 101; 0;32544
23; 7237.3; 21-MAY-2008 16:34:37; Dark ; 50.5; 75; 26Eps Sco ; 2.29; 4250;occ; 101; 0;32544
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 21; 7005.7; 22-MAY-2008 09:16:44; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;32554
 22; 7116.9; 22-MAY-2008 09:18:36; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;32554
 23; 7241.2; 22-MAY-2008 09:20:40; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;32554
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 4; 2237.3; 22-MAY-2008 09:37:52; Bright; 37.0; 3; 16Alp Boo ; -0.05; 4250;occ; 74; 0;32555
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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
 8; 3173.5; 22-MAY-2008 09:53:28; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32555
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 10; 3937.4; 22-MAY-2008 10:06:12; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 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
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 4; 2237.3; 22-MAY-2008 11:18:28; Bright; 46.0; 3; 16Alp Boo ; -0.05; 4250;occ; 92; 0;32556
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 7; 3050.3; 22-MAY-2008 11:32:01; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32556
 8; 3173.3; 22-MAY-2008 11:34:04; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;32556
 9; 3446.7; 22-MAY-2008 11:38:37; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32556
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 11; 4009.7; 22-MAY-2008 11:48:00; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;32556
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 17; 6096.4; 22-MAY-2008 12:22:47; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;32556
 18; 6185.1; 22-MAY-2008 12:24:16; Dark ; 40.5; 148; Alp Tuc ; 2.88; 4100;occ; 81; 0;32556
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 21; 7006.9; 22-MAY-2008 12:37:57; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;32556
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5; 1524.2; 22-MAY-2008 21:10:10; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;32562
6; 1630.3; 22-MAY-2008 21:11:57; Bright; 36.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 73; 0;32562
7; 1734.1; 22-MAY-2008 21:13:40; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;32562
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16; 4009.3; 22-MAY-2008 21:51:36; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;32562
17; 4532.3; 22-MAY-2008 22:00:19; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;32562
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3; -23.2; 22-MAY-2008 22:24:59; Dark ; 57.5; 63; Bet Gru ; 2.15; 2800;occ; 115; 0;32562
4; 67.5; 22-MAY-2008 22:26:30; Dark ; 31.0; 172; Gam Gru ; 3.00; 13100;occ; 62; 0;32563
5; 152.2; 22-MAY-2008 22:27:54; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;32563
6; 400.5; 22-MAY-2008 22:32:03; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32563
7; 808.2; 22-MAY-2008 22:38:50; Dark ; 39.0; 141; Bet Ara ; 2.84; 4600;occ; 78; 0;32563
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9; 1085.1; 22-MAY-2008 22:43:27; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;32563
10; 1208.1; 22-MAY-2008 22:45:30; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;32563
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13; 1630.5; 22-MAY-2008 22:52:33; Bright; 36.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 73; 0;32563
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21; 3446.7; 22-MAY-2008 23:22:49; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32563
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23; 4009.3; 22-MAY-2008 23:32:11; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;32563
24; 4532.5; 22-MAY-2008 23:40:55; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;32563
25; 4798.6; 22-MAY-2008 23:45:21; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32563
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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
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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
9; 1085.5; 23-MAY-2008 00:24:03; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;32564
10; 1208.6; 23-MAY-2008 00:26:07; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;32564
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21; 3446.7; 23-MAY-2008 01:03:25; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;32564
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21; 6842.5; 22-MAY-2008 15:56:25; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;32558
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 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
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 22; 6843.0; 22-MAY-2008 17:37:01; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;32559
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 7; 1734.1; 22-MAY-2008 17:52:28; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32560
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 10; 2370.8; 22-MAY-2008 18:03:05; Bright; 34.5; 83; ; 2.38; 11000;occ; 69; 0;32560
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 12; 3048.8; 22-MAY-2008 18:14:23; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32560
 13; 3173.1; 22-MAY-2008 18:16:27; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 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
 7; 1734.1; 22-MAY-2008 19:33:04; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32561
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 10; 2370.8; 22-MAY-2008 19:43:41; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;32561
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 12; 3048.3; 22-MAY-2008 19:54:59; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32561
 13; 3173.0; 22-MAY-2008 19:57:03; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;32561
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 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
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19; 1840.7; 23-MAY-2008 05:38:26; Bright; 44.0; 120; 1Del Oph ; 2.73; 3200;occ; 88; 0;32567
20; 2025.0; 23-MAY-2008 05:41:31; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;32567
21; 2370.4; 23-MAY-2008 05:47:16; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;32567

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23; 3046.2; 23-MAY-2008 05:58:32; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32567
24; 3172.6; 23-MAY-2008 06:00:38; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32567
25; 3446.8; 23-MAY-2008 06:05:13; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;32567
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 2; 1091.9; 23-MAY-2008 20:31:21; Dark ; 50.0; 25; 35Lam Sco ; 1.62; 28000;occ; 100; 0;32576
 3; 1213.0; 23-MAY-2008 20:33:22; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;32576
 4; 1383.5; 23-MAY-2008 20:36:13; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32576
 5; 1526.5; 23-MAY-2008 20:38:36; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;32576
 6; 1632.3; 23-MAY-2008 20:40:22; Bright; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;32576
 7; 1735.4; 23-MAY-2008 20:42:05; Bright; 36.0; 104; 27Bet Lib ; 2.61; 13100;occ; 72; 0;32576
 8; 1839.8; 23-MAY-2008 20:43:49; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;32576
 9; 2023.8; 23-MAY-2008 20:46:53; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32576
10; 2369.9; 23-MAY-2008 20:52:39; Bright; 35.0; 83; ; 2.38; 11000;occ; 70; 0;32576
11; 2560.0; 23-MAY-2008 20:55:49; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;32576
12; 3042.6; 23-MAY-2008 21:03:52; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32576
13; 3171.8; 23-MAY-2008 21:06:01; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;32576
14; 3446.8; 23-MAY-2008 21:10:36; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;32576
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
18; 4534.8; 23-MAY-2008 21:28:44; Dark ; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;32576
19; 4803.5; 23-MAY-2008 21:33:13; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;32576
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 3; -178.9; 23-MAY-2008 21:50:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32576
 4; -12.6; 23-MAY-2008 21:53:33; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;32576
 5; 89.2; 23-MAY-2008 21:55:14; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;32577
 6; 410.4; 23-MAY-2008 22:00:36; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32577
 7; 814.4; 23-MAY-2008 22:07:20; Dark ; 38.5; 141; Bet Ara ; 2.84; 4600;occ; 77; 0;32577
 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
11; 1383.8; 23-MAY-2008 22:16:49; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32577
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
14; 1735.4; 23-MAY-2008 22:22:41; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;32577
15; 1839.7; 23-MAY-2008 22:24:25; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;32577
16; 2023.6; 23-MAY-2008 22:27:29; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32577
17; 2370.0; 23-MAY-2008 22:33:15; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;32577
18; 2560.1; 23-MAY-2008 22:36:25; Bright; 34.0; 180; 27Gam Boo ; 3.04; 8000;occ; 68; 0;32577
19; 3042.3; 23-MAY-2008 22:44:27; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32577
20; 3171.8; 23-MAY-2008 22:46:37; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;32577
21; 3446.7; 23-MAY-2008 22:51:12; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;32577
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
27; 5333.4; 23-MAY-2008 23:22:39; Dark ; 5.0; 52; 16Bet Cet ; 2.04; 4500;occ; 10; 0;32577
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 3; -178.3; 23-MAY-2008 23:31:23; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32577
 4; -11.9; 23-MAY-2008 23:34:09; Dark ; 47.5; 63; Bet Gru ; 2.15; 2800;occ; 95; 0;32577
 5; 90.0; 23-MAY-2008 23:35:51; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;32578
 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
 8; 982.3; 23-MAY-2008 23:50:43; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;32578
 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
12; 1526.8; 23-MAY-2008 23:59:48; Bright; 40.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 80; 0;32578
13; 1735.5; 24-MAY-2008 00:03:17; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32578
14; 1839.5; 24-MAY-2008 00:05:01; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;32578
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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 17; 2559.9; 24-MAY-2008 00:17:01; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;32578
 18; 3041.8; 24-MAY-2008 00:25:03; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32578
 19; 3171.7; 24-MAY-2008 00:27:13; Bright; 33.5; 60; 7Bet UMi ; 2.08; 3950;occ; 67; 0;32578
 20; 3446.7; 24-MAY-2008 00:31:48; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;32578
 21; 3936.6; 24-MAY-2008 00:39:58; Bright; 52.0; 76; 27Gam Cas ; 2.30; 30000;occ; 104; 0;32578
 22; 4008.5; 24-MAY-2008 00:41:09; Bright; 54.5; 68; 18Alp Cas ; 2.22; 4500;occ; 109; 0;32578
 23; 4382.4; 24-MAY-2008 00:47:23; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;32578
 24; 4535.1; 24-MAY-2008 00:49:56; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;32578
 25; 4804.2; 24-MAY-2008 00:54:25; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32578
 26; 5333.9; 24-MAY-2008 01:03:15; Dark ; 39.5; 52; 16Bet Cet ; 2.04; 4500;occ; 79; 0;32578

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 3;-1654.9; 23-MAY-2008 06:20:47; Bright; 48.0; 53; 43Bet And ; 2.05; 3300;occ; 96; 0;32567
 4;-1502.8; 23-MAY-2008 06:23:19; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;32567
 5;-1235.8; 23-MAY-2008 06:27:46; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;32567
 6; -706.9; 23-MAY-2008 06:36:35; Dark ; 42.5; 52; 16Bet Cet ; 2.04; 4500;occ; 85; 0;32567
 7; -183.8; 23-MAY-2008 06:45:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32567
 8; -19.4; 23-MAY-2008 06:48:02; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;32567
 9; 81.5; 23-MAY-2008 06:49:43; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;32568
 10; 404.1; 23-MAY-2008 06:55:06; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32568
 11; 810.6; 23-MAY-2008 07:01:52; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;32568
 12; 977.0; 23-MAY-2008 07:04:39; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;32568
 13; 1087.8; 23-MAY-2008 07:06:30; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;32568
 14; 1210.1; 23-MAY-2008 07:08:32; Dark ; 50.5; 75; 26Eps Sco ; 2.29; 4250;occ; 101; 0;32568
 15; 1381.6; 23-MAY-2008 07:11:23; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;32568
 16; 1525.2; 23-MAY-2008 07:13:47; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;32568
 17; 1631.4; 23-MAY-2008 07:15:33; Bright; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;32568
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 4; 2370.3; 23-MAY-2008 07:27:52; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;32568
 5; 2560.4; 23-MAY-2008 07:31:02; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;32568
 6; 3045.7; 23-MAY-2008 07:39:07; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32568
 7; 3172.5; 23-MAY-2008 07:41:14; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32568
 8; 3446.9; 23-MAY-2008 07:45:49; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;32568
 9; 3937.0; 23-MAY-2008 07:53:59; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32568
 10; 4009.2; 23-MAY-2008 07:55:11; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;32568
 11; 4381.2; 23-MAY-2008 08:01:23; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;32568
 12; 4533.5; 23-MAY-2008 08:03:55; Dark ; 45.5; 58; 21Alp And ; 2.07; 11000;occ; 91; 0;32568
 13; 4800.6; 23-MAY-2008 08:08:22; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32568
 14; 5329.5; 23-MAY-2008 08:17:11; Dark ; 45.5; 52; 16Bet Cet ; 2.04; 4500;occ; 91; 0;32568
 15; 5736.3; 23-MAY-2008 08:23:58; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;32568
 16; 5852.6; 23-MAY-2008 08:25:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32568
 17; 6017.3; 23-MAY-2008 08:28:39; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;32568
 18; 6118.2; 23-MAY-2008 08:30:20; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;32568
 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
 21; 7013.4; 23-MAY-2008 08:45:15; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;32568
 22; 7124.3; 23-MAY-2008 08:47:06; Dark ; 50.5; 25; 35Lam Sco ; 1.62; 28000;occ; 101; 0;32568
 23; 7246.4; 23-MAY-2008 08:49:08; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;32568
 24; 7417.8; 23-MAY-2008 08:52:00; Dark ; 58.0; 16; 21Alp Sco ; 1.02; 3000;occ; 116; 0;32568
 25; 7561.5; 23-MAY-2008 08:54:23; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;32568
 26; 7667.4; 23-MAY-2008 08:56:09; Bright; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;32568
 27; 7770.8; 23-MAY-2008 08:57:53; Bright; 10.0; 104; 27Bet Lib ; 2.61; 13100;occ; 20; 0;32568

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 4; 2370.3; 23-MAY-2008 09:08:28; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32569
 5; 2560.1; 23-MAY-2008 09:11:38; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;32569
 6; 3045.3; 23-MAY-2008 09:19:43; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32569
 7; 3172.4; 23-MAY-2008 09:21:50; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32569
 8; 3446.7; 23-MAY-2008 09:26:24; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;32569
 9; 3936.9; 23-MAY-2008 09:34:35; Bright; 36.0; 76; 27Gam Cas ; 2.30; 30000;occ; 72; 0;32569

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 11; 4381.3; 23-MAY-2008 09:41:59; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;32569
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 19; 6441.4; 23-MAY-2008 10:16:19; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32569
 20; 6847.3; 23-MAY-2008 10:23:05; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;32569
 21; 7014.0; 23-MAY-2008 10:25:52; Dark ; 51.0; 40; The Sco ; 1.86; 7100;occ; 102; 0;32569
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 23; 7246.8; 23-MAY-2008 10:29:44; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;32569
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 4; 2370.2; 23-MAY-2008 10:49:04; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;32570
 5; 2560.1; 23-MAY-2008 10:52:14; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;32570
 6; 3044.9; 23-MAY-2008 11:00:18; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32570
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 9; 3936.9; 23-MAY-2008 11:15:10; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32570
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 14; 5330.4; 23-MAY-2008 11:38:24; Dark ; 45.5; 52; 16Bet Cet ; 2.04; 4500;occ; 91; 0;32570
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 21; 7014.4; 23-MAY-2008 12:06:28; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;32570
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 23; 7247.1; 23-MAY-2008 12:10:21; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;32570
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 18; 6019.5; 23-MAY-2008 13:30:29; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;32571
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 21; 6848.4; 23-MAY-2008 13:44:18; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;32571
 22; 7015.0; 23-MAY-2008 13:47:04; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;32571
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6; 2370.3; 23-MAY-2008 14:10:16; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32572
7; 2560.1; 23-MAY-2008 14:13:25; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;32572
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9; 3172.2; 23-MAY-2008 14:23:38; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32572
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12; 4009.0; 23-MAY-2008 14:37:34; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;32572
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6; 2024.2; 23-MAY-2008 15:45:05; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32573
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13; 4009.1; 23-MAY-2008 16:18:10; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;32573
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21; 6122.7; 23-MAY-2008 16:53:24; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;32573
22; 6444.3; 23-MAY-2008 16:58:46; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32573
23; 6849.3; 23-MAY-2008 17:05:31; Dark ; 47.0; 141; Bet Ara ; 2.84; 4600;occ; 94; 0;32573
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9; 2370.0; 23-MAY-2008 17:31:27; Bright; 35.0; 83; ; 2.38; 11000;occ; 70; 0;32574
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 5; 420.9; 24-MAY-2008 23:09:45; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;32592
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6; 821.3; 25-MAY-2008 00:57:01; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;32593
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8; 1100.5; 25-MAY-2008 01:01:40; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;32593
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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
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19; 3935.9; 25-MAY-2008 01:48:56; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;32593
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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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6; 821.8; 25-MAY-2008 02:37:37; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32594
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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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4; -1497.9; 25-MAY-2008 03:39:34; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;32594
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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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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
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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
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16; 4539.9; 25-MAY-2008 22:06:11; Dark ; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;32605
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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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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
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22; 4540.1; 25-MAY-2008 23:46:47; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;32606
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 20; 7139.5; 25-MAY-2008 11:05:19; Dark ; 50.0; 25; 35Lam Sco ; 1.62; 28000;occ; 100; 0;32598
 21; 7257.2; 25-MAY-2008 11:07:17; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;32598
 22; 7385.8; 25-MAY-2008 11:09:25; Dark ; 40.5; 136; 23Tau Sco ; 2.82; 30000;occ; 81; 0;32598
 23; 7566.0; 25-MAY-2008 11:12:26; Bright; 40.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 80; 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
 4; 2369.2; 25-MAY-2008 11:26:25; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;32599
 5; 3034.0; 25-MAY-2008 11:37:29; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32599
 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
 12; 4812.4; 25-MAY-2008 12:07:08; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32599
 13; 5343.8; 25-MAY-2008 12:15:59; Dark ; 42.5; 52; 16Bet Cet ; 2.04; 4500;occ; 85; 0;32599
 14; 5870.0; 25-MAY-2008 12:24:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32599
 15; 6040.9; 25-MAY-2008 12:27:36; Dark ; 46.5; 63; Bet Gru ; 2.15; 2800;occ; 93; 0;32599
 16; 6145.0; 25-MAY-2008 12:29:20; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;32599
 17; 6462.5; 25-MAY-2008 12:34:38; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32599
 18; 6860.4; 25-MAY-2008 12:41:16; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32599
 19; 7029.8; 25-MAY-2008 12:44:05; Dark ; 47.0; 40; The Sco ; 1.86; 7100;occ; 94; 0;32599
 20; 7140.0; 25-MAY-2008 12:45:55; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;32599
 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
 23; 7566.2; 25-MAY-2008 12:53:02; Bright; 40.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 80; 0;32599

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 2; -2100.0; 25-MAY-2008 05:10:08; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32595
 3; -2028.3; 25-MAY-2008 05:11:19; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;32595
 4; -1651.5; 25-MAY-2008 05:17:36; Bright; 48.0; 53; 43Bet And ; 2.05; 3300;occ; 96; 0;32595
 5; -1497.7; 25-MAY-2008 05:20:10; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;32595
 6; -1224.9; 25-MAY-2008 05:24:43; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32595
 7; -694.0; 25-MAY-2008 05:33:34; Dark ; 43.5; 52; 16Bet Cet ; 2.04; 4500;occ; 87; 0;32595
 8; -168.2; 25-MAY-2008 05:42:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32595
 9; 1.9; 25-MAY-2008 05:45:10; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;32596
 10; 105.8; 25-MAY-2008 05:46:54; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;32596
 11; 423.7; 25-MAY-2008 05:52:11; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32596
 12; 822.8; 25-MAY-2008 05:58:50; Dark ; 39.0; 141; Bet Ara ; 2.84; 4600;occ; 78; 0;32596
 13; 991.9; 25-MAY-2008 06:01:40; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;32596
 14; 1102.0; 25-MAY-2008 06:03:30; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;32596
 15; 1220.4; 25-MAY-2008 06:05:28; Dark ; 44.0; 75; 26Eps Sco ; 2.29; 4250;occ; 88; 0;32596
 16; 1388.7; 25-MAY-2008 06:08:16; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;32596
 17; 1529.8; 25-MAY-2008 06:10:37; Bright; 40.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 80; 0;32596
 18; 1737.3; 25-MAY-2008 06:14:05; Bright; 35.5; 104; 27Bet Lib ; 2.61; 13100;occ; 71; 0;32596
 19; 1838.1; 25-MAY-2008 06:15:46; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;32596
 20; 2021.5; 25-MAY-2008 06:18:49; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32596
 21; 2369.3; 25-MAY-2008 06:24:37; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32596
 22; 3035.2; 25-MAY-2008 06:35:43; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32596
 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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 2; 1837.8; 25-MAY-2008 12:58:09; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;32600
 3; 2021.0; 25-MAY-2008 13:01:12; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32600
 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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8; 4007.4; 25-MAY-2008 13:34:19; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;32600
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
12; 5344.4; 25-MAY-2008 13:56:36; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;32600
13; 5870.6; 25-MAY-2008 14:05:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32600
14; 6146.0; 25-MAY-2008 14:09:57; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;32600
15; 6463.2; 25-MAY-2008 14:15:15; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32600
16; 6860.8; 25-MAY-2008 14:21:52; Dark ; 39.0; 141; Bet Ara ; 2.84; 4600;occ; 78; 0;32600
17; 7030.4; 25-MAY-2008 14:24:42; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;32600
18; 7140.5; 25-MAY-2008 14:26:32; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;32600
19; 7258.1; 25-MAY-2008 14:28:29; Dark ; 45.5; 75; 26Eps Sco ; 2.29; 4250;occ; 91; 0;32600
20; 7386.5; 25-MAY-2008 14:30:38; Dark ; 43.0; 136; 23Tau Sco ; 2.82; 30000;occ; 86; 0;32600
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2; 1737.8; 25-MAY-2008 14:37:05; Bright; 36.0; 104; 27Bet Lib ; 2.61; 13100;occ; 72; 0;32601
3; 1837.8; 25-MAY-2008 14:38:45; Bright; 42.0; 120; 1Del Oph ; 2.73; 3200;occ; 84; 0;32601
4; 2020.8; 25-MAY-2008 14:41:48; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32601
5; 2369.3; 25-MAY-2008 14:47:36; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;32601
6; 3033.4; 25-MAY-2008 14:58:41; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32601
7; 3170.2; 25-MAY-2008 15:00:57; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;32601
8; 3678.9; 25-MAY-2008 15:09:26; Bright; 68.0; 89; 5Alp Cep ; 2.45; 8000;occ; 136; 0;32601
9; 3935.8; 25-MAY-2008 15:13:43; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;32601
10; 4007.3; 25-MAY-2008 15:14:55; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;32601
11; 4385.2; 25-MAY-2008 15:21:12; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;32601
12; 4539.4; 25-MAY-2008 15:23:47; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;32601
13; 4813.3; 25-MAY-2008 15:28:21; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;32601
14; 5344.9; 25-MAY-2008 15:37:12; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32601
15; 5871.2; 25-MAY-2008 15:45:58; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;32601
16; 6146.9; 25-MAY-2008 15:50:34; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;32601
17; 6463.9; 25-MAY-2008 15:55:51; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32601
18; 6861.4; 25-MAY-2008 16:02:29; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;32601
19; 7030.9; 25-MAY-2008 16:05:18; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;32601
20; 7140.9; 25-MAY-2008 16:07:08; Dark ; 46.0; 25; 35Lam Sco ; 1.62; 28000;occ; 92; 0;32601
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2; 1350.9; 25-MAY-2008 16:11:14; Dark ; 44.0; 136; 23Tau Sco ; 2.82; 30000;occ; 88; 0;32602
3; 1530.7; 25-MAY-2008 16:14:14; Bright; 40.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 80; 0;32602
4; 1737.7; 25-MAY-2008 16:17:41; Bright; 36.0; 104; 27Bet Lib ; 2.61; 13100;occ; 72; 0;32602
5; 1837.7; 25-MAY-2008 16:19:21; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;32602
6; 2020.7; 25-MAY-2008 16:22:24; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32602
7; 2369.3; 25-MAY-2008 16:28:12; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;32602
8; 3033.1; 25-MAY-2008 16:39:16; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32602
9; 3170.1; 25-MAY-2008 16:41:33; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32602
10; 3678.4; 25-MAY-2008 16:50:02; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;32602
11; 3935.7; 25-MAY-2008 16:54:19; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;32602
12; 4007.2; 25-MAY-2008 16:55:30; Bright; 38.5; 68; 18Alp Cas ; 2.22; 4500;occ; 77; 0;32602
13; 4385.2; 25-MAY-2008 17:01:48; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;32602
14; 4539.6; 25-MAY-2008 17:04:23; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;32602
15; 4813.9; 25-MAY-2008 17:08:57; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32602
16; 5345.4; 25-MAY-2008 17:17:49; Dark ; 48.5; 52; 16Bet Cet ; 2.04; 4500;occ; 97; 0;32602
17; 5871.8; 25-MAY-2008 17:26:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32602
18; 6043.4; 25-MAY-2008 17:29:27; Dark ; 57.5; 63; Bet Gru ; 2.15; 2800;occ; 115; 0;32602
19; 6147.9; 25-MAY-2008 17:31:11; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;32602
20; 6464.7; 25-MAY-2008 17:36:28; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32602
21; 6861.8; 25-MAY-2008 17:43:05; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;32602
22; 7031.5; 25-MAY-2008 17:45:55; Dark ; 42.5; 40; The Sco ; 1.86; 7100;occ; 85; 0;32602
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2; 1105.5; 25-MAY-2008 17:47:45; Dark ; 50.5; 25; 35Lam Sco ; 1.62; 28000;occ; 101; 0;32603
3; 1222.8; 25-MAY-2008 17:49:42; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;32603
4; 1351.2; 25-MAY-2008 17:51:50; Dark ; 41.5; 136; 23Tau Sco ; 2.82; 30000;occ; 83; 0;32603
5; 1530.9; 25-MAY-2008 17:54:50; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;32603
6; 1737.7; 25-MAY-2008 17:58:17; Bright; 36.5; 104; 27Bet Lib ; 2.61; 13100;occ; 73; 0;32603
7; 1837.6; 25-MAY-2008 17:59:57; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;32603
8; 2020.7; 25-MAY-2008 18:03:00; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32603
9; 2369.2; 25-MAY-2008 18:08:48; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;32603

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11; 3170.0; 25-MAY-2008 18:22:09; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32603
12; 3677.9; 25-MAY-2008 18:30:37; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;32603
13; 3935.4; 25-MAY-2008 18:34:55; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;32603
14; 4007.1; 25-MAY-2008 18:36:06; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;32603
15; 4385.2; 25-MAY-2008 18:42:24; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;32603
16; 4539.7; 25-MAY-2008 18:44:59; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;32603
17; 4814.3; 25-MAY-2008 18:49:34; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;32603
18; 5345.8; 25-MAY-2008 18:58:25; Dark ; 46.0; 52; 16Bet Cet ; 2.04; 4500;occ; 92; 0;32603
19; 5872.4; 25-MAY-2008 19:07:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32603
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22; 6465.4; 25-MAY-2008 19:17:05; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;32603
23; 6862.2; 25-MAY-2008 19:23:41; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32603
24; 7031.9; 25-MAY-2008 19:26:31; Dark ; 10.5; 40; The Sco ; 1.86; 7100;occ; 21; 0;32603
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3; 1223.1; 25-MAY-2008 19:30:18; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;32604
4; 1351.3; 25-MAY-2008 19:32:27; Dark ; 45.0; 136; 23Tau Sco ; 2.82; 30000;occ; 90; 0;32604
5; 1531.1; 25-MAY-2008 19:35:26; Bright; 40.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 80; 0;32604
6; 1737.8; 25-MAY-2008 19:38:53; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32604
7; 1837.4; 25-MAY-2008 19:40:33; Bright; 42.0; 120; 1Del Oph ; 2.73; 3200;occ; 84; 0;32604
8; 2020.4; 25-MAY-2008 19:43:36; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32604
9; 2369.1; 25-MAY-2008 19:49:24; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;32604
10; 3032.3; 25-MAY-2008 20:00:27; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32604
11; 3169.9; 25-MAY-2008 20:02:45; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;32604
12; 3677.1; 25-MAY-2008 20:11:12; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;32604
13; 3935.3; 25-MAY-2008 20:15:31; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32604
14; 4007.0; 25-MAY-2008 20:16:42; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;32604
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16; 4539.8; 25-MAY-2008 20:25:35; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;32604
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5; -1218.9; 26-MAY-2008 06:33:48; Dark ; 48.5; 140; 88Gam Peg ; 2.83; 26000;occ; 97; 0;32610

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7; -159.5; 26-MAY-2008 06:51:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32610
8; 13.7; 26-MAY-2008 06:54:20; Dark ; 58.5; 63; Bet Gru ; 2.15; 2800;occ; 117; 0;32611
9; 118.9; 26-MAY-2008 06:56:06; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;32611
10; 434.4; 26-MAY-2008 07:01:21; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32611
11; 829.1; 26-MAY-2008 07:07:56; Dark ; 39.0; 141; Bet Ara ; 2.84; 4600;occ; 78; 0;32611
12; 999.6; 26-MAY-2008 07:10:46; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;32611
13; 1109.4; 26-MAY-2008 07:12:36; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;32611
14; 1225.7; 26-MAY-2008 07:14:32; Dark ; 45.5; 75; 26Eps Sco ; 2.29; 4250;occ; 91; 0;32611
15; 1353.2; 26-MAY-2008 07:16:40; Dark ; 43.5; 136; 23Tau Sco ; 2.82; 30000;occ; 87; 0;32611
16; 1532.3; 26-MAY-2008 07:19:39; Bright; 39.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 79; 0;32611

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2; 1837.0; 26-MAY-2008 07:24:44; Bright; 42.0; 120; 1Del Oph ; 2.73; 3200;occ; 84; 0;32611
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
5; 2573.5; 26-MAY-2008 07:37:00; Bright; 35.0; 133; 40Zet Her ; 2.81; 6000;occ; 70; 0;32611
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
10; 4386.2; 26-MAY-2008 08:07:13; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;32611
11; 4541.2; 26-MAY-2008 08:09:48; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;32611
12; 4817.4; 26-MAY-2008 08:14:24; Dark ; 48.0; 140; 88Gam Peg ; 2.83; 26000;occ; 96; 0;32611
13; 5349.7; 26-MAY-2008 08:23:16; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;32611
14; 5877.0; 26-MAY-2008 08:32:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32611
15; 6050.4; 26-MAY-2008 08:34:57; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;32611
16; 6155.7; 26-MAY-2008 08:36:42; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;32611
17; 6471.0; 26-MAY-2008 08:41:58; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32611
18; 6865.5; 26-MAY-2008 08:48:32; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;32611
19; 7036.1; 26-MAY-2008 08:51:23; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;32611
20; 7145.8; 26-MAY-2008 08:53:12; Dark ; 47.0; 25; 35Lam Sco ; 1.62; 28000;occ; 94; 0;32611
21; 7262.0; 26-MAY-2008 08:55:09; Dark ; 42.5; 75; 26Eps Sco ; 2.29; 4250;occ; 85; 0;32611
22; 7389.5; 26-MAY-2008 08:57:16; Dark ; 42.0; 136; 23Tau Sco ; 2.82; 30000;occ; 84; 0;32611
23; 7520.3; 26-MAY-2008 08:59:27; Bright; 40.5; 80; 7Del Sco ; 2.32; 30000;occ; 81; 0;32611
24; 7620.0; 26-MAY-2008 09:01:07; Bright; 26.0; 86; 35Eta Oph ; 2.43; 10200;occ; 52; 0;32611
25; 7774.6; 26-MAY-2008 09:03:41; Bright; 36.0; 104; 27Bet Lib ; 2.61; 13100;occ; 72; 0;32611

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2; 1837.0; 26-MAY-2008 09:05:20; Bright; 41.5; 120; 1Del Oph ; 2.73; 3200;occ; 83; 0;32612
3; 2019.5; 26-MAY-2008 09:08:22; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32612
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
6; 3029.5; 26-MAY-2008 09:25:12; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32612
7; 3169.5; 26-MAY-2008 09:27:32; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;32612
8; 3672.8; 26-MAY-2008 09:35:55; Bright; 68.0; 89; 5Alp Cep ; 2.45; 8000;occ; 136; 0;32612
9; 3935.0; 26-MAY-2008 09:40:18; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32612
10; 4386.3; 26-MAY-2008 09:47:49; Bright; 55.0; 53; 43Bet And ; 2.05; 3300;occ; 110; 0;32612
11; 4541.4; 26-MAY-2008 09:50:24; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;32612
12; 4817.8; 26-MAY-2008 09:55:00; Dark ; 48.0; 140; 88Gam Peg ; 2.83; 26000;occ; 96; 0;32612
13; 5350.2; 26-MAY-2008 10:03:53; Dark ; 43.5; 52; 16Bet Cet ; 2.04; 4500;occ; 87; 0;32612
14; 5877.5; 26-MAY-2008 10:12:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32612
15; 6051.1; 26-MAY-2008 10:15:34; Dark ; 46.5; 63; Bet Gru ; 2.15; 2800;occ; 93; 0;32612
16; 6156.5; 26-MAY-2008 10:17:19; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;32612
17; 6471.6; 26-MAY-2008 10:22:34; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32612
18; 6865.9; 26-MAY-2008 10:29:08; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;32612
19; 7036.5; 26-MAY-2008 10:31:59; Dark ; 46.0; 40; The Sco ; 1.86; 7100;occ; 92; 0;32612
20; 7146.3; 26-MAY-2008 10:33:49; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;32612
21; 7262.3; 26-MAY-2008 10:35:45; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;32612
22; 7389.8; 26-MAY-2008 10:37:52; Dark ; 42.5; 136; 23Tau Sco ; 2.82; 30000;occ; 85; 0;32612
23; 7520.3; 26-MAY-2008 10:40:03; Bright; 41.5; 80; 7Del Sco ; 2.32; 30000;occ; 83; 0;32612
24; 7620.0; 26-MAY-2008 10:41:43; Bright; 25.5; 86; 35Eta Oph ; 2.43; 10200;occ; 51; 0;32612

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2; 1837.0; 26-MAY-2008 10:45:55; Bright; 42.0; 120; 1Del Oph ; 2.73; 3200;occ; 84; 0;32613
3; 2019.5; 26-MAY-2008 10:48:58; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32613
4; 2381.9; 26-MAY-2008 10:55:00; Bright; 38.5; 67; 5Alp CrB ; 2.22; 11000;occ; 77; 0;32613
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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7; 3169.4; 26-MAY-2008 11:08:08; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32613
8; 3672.2; 26-MAY-2008 11:16:31; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;32613
9; 3934.9; 26-MAY-2008 11:20:53; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32613
10; 4386.4; 26-MAY-2008 11:28:25; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;32613
11; 4541.5; 26-MAY-2008 11:31:00; Dark ; 50.5; 58; 21Alp And ; 2.07; 11000;occ; 101; 0;32613
12; 4818.3; 26-MAY-2008 11:35:37; Dark ; 49.0; 140; 88Gam Peg ; 2.83; 26000;occ; 98; 0;32613
13; 5350.7; 26-MAY-2008 11:44:29; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;32613
14; 5878.1; 26-MAY-2008 11:53:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32613
15; 6051.9; 26-MAY-2008 11:56:10; Dark ; 55.0; 63; Bet Gru ; 2.15; 2800;occ; 110; 0;32613
16; 6157.4; 26-MAY-2008 11:57:56; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;32613
17; 6472.3; 26-MAY-2008 12:03:11; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32613
18; 6866.2; 26-MAY-2008 12:09:45; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32613
19; 7037.0; 26-MAY-2008 12:12:35; Dark ; 45.5; 40; The Sco ; 1.86; 7100;occ; 91; 0;32613
20; 7146.6; 26-MAY-2008 12:14:25; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;32613
21; 7262.6; 26-MAY-2008 12:16:21; Dark ; 44.5; 75; 26Eps Sco ; 2.29; 4250;occ; 89; 0;32613
22; 7390.1; 26-MAY-2008 12:18:29; Dark ; 41.5; 136; 23Tau Sco ; 2.82; 30000;occ; 83; 0;32613
23; 7520.5; 26-MAY-2008 12:20:39; Bright; 56.0; 80; 7Del Sco ; 2.32; 30000;occ; 112; 0;32613
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3; 2019.4; 26-MAY-2008 12:29:34; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;32614
4; 2381.5; 26-MAY-2008 12:35:36; Bright; 37.0; 67; 5Alp CrB ; 2.22; 11000;occ; 74; 0;32614
5; 2571.5; 26-MAY-2008 12:38:46; Bright; 48.0; 133; 40Zet Her ; 2.81; 6000;occ; 96; 0;32614
6; 3028.9; 26-MAY-2008 12:46:23; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32614
7; 3169.4; 26-MAY-2008 12:48:44; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32614
8; 3671.7; 26-MAY-2008 12:57:06; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;32614
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12; 4818.6; 26-MAY-2008 13:16:13; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;32614
13; 5351.2; 26-MAY-2008 13:25:06; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;32614
14; 5878.7; 26-MAY-2008 13:33:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32614
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16; 6158.3; 26-MAY-2008 13:38:33; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;32614
17; 6473.0; 26-MAY-2008 13:43:47; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32614
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21; 7263.0; 26-MAY-2008 13:56:57; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;32614
22; 7390.3; 26-MAY-2008 13:59:05; Dark ; 40.5; 136; 23Tau Sco ; 2.82; 30000;occ; 81; 0;32614
23; 7520.8; 26-MAY-2008 14:01:15; Bright; 40.0; 80; 7Del Sco ; 2.32; 30000;occ; 80; 0;32614
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2; 1584.3; 26-MAY-2008 14:02:55; Bright; 32.0; 86; 35Eta Oph ; 2.43; 10200;occ; 64; 0;32615
3; 1739.1; 26-MAY-2008 14:05:29; Bright; 35.5; 104; 27Bet Lib ; 2.61; 13100;occ; 71; 0;32615
4; 1836.8; 26-MAY-2008 14:07:07; Bright; 42.0; 120; 1Del Oph ; 2.73; 3200;occ; 84; 0;32615
5; 2019.4; 26-MAY-2008 14:10:10; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32615
6; 2381.5; 26-MAY-2008 14:16:12; Bright; 37.0; 67; 5Alp CrB ; 2.22; 11000;occ; 74; 0;32615
7; 2570.7; 26-MAY-2008 14:19:21; Bright; 43.5; 133; 40Zet Her ; 2.81; 6000;occ; 87; 0;32615
8; 3028.5; 26-MAY-2008 14:26:59; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32615
9; 3169.4; 26-MAY-2008 14:29:20; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32615
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12; 4386.7; 26-MAY-2008 14:49:37; Bright; 42.0; 53; 43Bet And ; 2.05; 3300;occ; 84; 0;32615
13; 4542.0; 26-MAY-2008 14:52:12; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;32615
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16; 5879.4; 26-MAY-2008 15:14:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32615
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18; 6159.2; 26-MAY-2008 15:19:09; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;32615
19; 6473.8; 26-MAY-2008 15:24:24; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;32615
20; 6867.2; 26-MAY-2008 15:30:57; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;32615
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22; 7147.8; 26-MAY-2008 15:35:38; Dark ; 47.5; 25; 35Lam Sco ; 1.62; 28000;occ; 95; 0;32615
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 3; 1584.7; 26-MAY-2008 15:43:31; Bright; 38.0; 86; 35Eta Oph ; 2.43; 10200;occ; 76; 0;32616
 4; 1739.3; 26-MAY-2008 15:46:05; Bright; 35.5; 104; 27Bet Lib ; 2.61; 13100;occ; 71; 0;32616
 5; 1836.7; 26-MAY-2008 15:47:43; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;32616
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 7; 2381.2; 26-MAY-2008 15:56:47; Bright; 38.0; 67; 5Alp CrB ; 2.22; 11000;occ; 76; 0;32616
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 9; 3028.2; 26-MAY-2008 16:07:34; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32616
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 19; 6160.4; 26-MAY-2008 16:59:47; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;32616
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 21; 6867.7; 26-MAY-2008 17:11:34; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;32616
 22; 7038.8; 26-MAY-2008 17:14:25; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;32616
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3; 32.0; 27-MAY-2008 21:28:25; Dark ; 56.5; 63; Bet Gru ; 2.15; 2800;occ; 113; 0;32634
4; 139.4; 27-MAY-2008 21:30:12; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;32634
5; 450.5; 27-MAY-2008 21:35:24; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32634
6; 838.7; 27-MAY-2008 21:41:52; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;32634
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 12; 1835.8; 27-MAY-2008 21:58:29; Bright; 41.5; 120; 1Del Oph ; 2.73; 3200;occ; 83; 0;32634
 13; 2017.9; 27-MAY-2008 22:01:31; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;32634
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 22; 4827.2; 27-MAY-2008 22:48:20; Dark ; 49.5; 140; 88Gam Peg ; 2.83; 26000;occ; 99; 0;32634
 23; 5361.5; 27-MAY-2008 22:57:14; Dark ; 26.5; 52; 16Bet Cet ; 2.04; 4500;occ; 53; 0;32634

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 9; 1233.7; 27-MAY-2008 23:29:03; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;32635
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 11; 1701.4; 27-MAY-2008 23:36:50; Bright; 43.5; 98; 13Zet Oph ; 2.57; 30000;occ; 87; 0;32635
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 13; 2017.6; 27-MAY-2008 23:42:06; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;32635
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 17; 3168.2; 28-MAY-2008 00:01:17; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;32635
 18; 3660.1; 28-MAY-2008 00:09:29; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;32635
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 22; 4827.5; 28-MAY-2008 00:28:56; Dark ; 50.0; 140; 88Gam Peg ; 2.83; 26000;occ; 100; 0;32635
 23; 5362.0; 28-MAY-2008 00:37:51; Dark ; 2.0; 52; 16Bet Cet ; 2.04; 4500;occ; 4; 0;32635

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 3; -1492.2; 27-MAY-2008 07:38:13; Dark ; 51.0; 58; 21Alp And ; 2.07; 11000;occ; 102; 0;32625
 4; -1212.7; 27-MAY-2008 07:42:53; Dark ; 48.5; 140; 88Gam Peg ; 2.83; 26000;occ; 97; 0;32625
 5; -679.2; 27-MAY-2008 07:51:46; Dark ; 45.5; 52; 16Bet Cet ; 2.04; 4500;occ; 91; 0;32625
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 7; 25.4; 27-MAY-2008 08:03:31; Dark ; 58.5; 63; Bet Gru ; 2.15; 2800;occ; 117; 0;32626
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 9; 444.7; 27-MAY-2008 08:10:30; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32626
 10; 835.4; 27-MAY-2008 08:17:01; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;32626
 11; 1007.1; 27-MAY-2008 08:19:53; Dark ; 44.5; 40; The Sco ; 1.86; 7100;occ; 89; 0;32626
 12; 1116.6; 27-MAY-2008 08:21:42; Dark ; 47.0; 25; 35Lam Sco ; 1.62; 28000;occ; 94; 0;32626
 13; 1230.7; 27-MAY-2008 08:23:36; Dark ; 43.0; 75; 26Eps Sco ; 2.29; 4250;occ; 86; 0;32626
 14; 1357.3; 27-MAY-2008 08:25:43; Dark ; 42.0; 136; 23Tau Sco ; 2.82; 30000;occ; 84; 0;32626
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 3; 2018.5; 27-MAY-2008 08:36:44; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;32626
 4; 2379.2; 27-MAY-2008 08:42:45; Bright; 37.5; 67; 5Alp CrB ; 2.22; 11000;occ; 75; 0;32626
 5; 2563.8; 27-MAY-2008 08:45:49; Bright; 42.5; 133; 40Zet Her ; 2.81; 6000;occ; 85; 0;32626
 6; 3024.7; 27-MAY-2008 08:53:30; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32626
 7; 3168.8; 27-MAY-2008 08:55:54; Bright; 33.5; 60; 7Bet UMi ; 2.08; 3950;occ; 67; 0;32626
 8; 3665.1; 27-MAY-2008 09:04:11; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;32626
 9; 3934.1; 27-MAY-2008 09:08:40; Bright; 55.0; 76; 27Gam Cas ; 2.30; 30000;occ; 110; 0;32626
 10; 4387.8; 27-MAY-2008 09:16:13; Bright; 55.0; 53; 43Bet And ; 2.05; 3300;occ; 110; 0;32626

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13; 5357.3; 27-MAY-2008 09:32:23; Dark ; 46.5; 52; 16Bet Cet ; 2.04; 4500;occ; 93; 0;32626
14; 5885.9; 27-MAY-2008 09:41:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32626
15; 6169.0; 27-MAY-2008 09:45:55; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;32626
16; 6481.5; 27-MAY-2008 09:51:07; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32626
17; 6871.6; 27-MAY-2008 09:57:37; Dark ; 39.0; 141; Bet Ara ; 2.84; 4600;occ; 78; 0;32626
18; 7043.5; 27-MAY-2008 10:00:29; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;32626
19; 7153.0; 27-MAY-2008 10:02:19; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;32626
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23; 7621.3; 27-MAY-2008 10:10:07; Bright; 48.5; 86; 35Eta Oph ; 2.43; 10200;occ; 97; 0;32626
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 3; 2379.0; 27-MAY-2008 10:23:21; Bright; 39.5; 67; 5Alp CrB ; 2.22; 11000;occ; 79; 0;32627
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 5; 3024.3; 27-MAY-2008 10:34:06; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32627
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 7; 3664.5; 27-MAY-2008 10:44:46; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;32627
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11; 4824.1; 27-MAY-2008 11:04:06; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;32627
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13; 5886.4; 27-MAY-2008 11:21:48; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;32627
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3; 1836.1; 27-MAY-2008 13:35:29; Bright; 41.5; 120; 1Del Oph ; 2.73; 3200;occ; 83; 0;32629
4; 2018.3; 27-MAY-2008 13:38:31; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32629
5; 2378.6; 27-MAY-2008 13:44:32; Bright; 39.0; 67; 5Alp CrB ; 2.22; 11000;occ; 78; 0;32629
6; 2562.1; 27-MAY-2008 13:47:35; Bright; 44.5; 133; 40Zet Her ; 2.81; 6000;occ; 89; 0;32629
7; 3023.7; 27-MAY-2008 13:55:17; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32629
8; 3168.6; 27-MAY-2008 13:57:42; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32629
9; 3663.5; 27-MAY-2008 14:05:57; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;32629
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11; 4388.2; 27-MAY-2008 14:18:01; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;32629
12; 4544.6; 27-MAY-2008 14:20:38; Dark ; 50.5; 58; 21Alp And ; 2.07; 11000;occ; 101; 0;32629
13; 4825.1; 27-MAY-2008 14:25:18; Dark ; 50.0; 140; 88Gam Peg ; 2.83; 26000;occ; 100; 0;32629
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21; 7154.4; 27-MAY-2008 15:04:08; Dark ; 47.0; 25; 35Lam Sco ; 1.62; 28000;occ; 94; 0;32629
22; 7268.1; 27-MAY-2008 15:06:01; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;32629
23; 7394.3; 27-MAY-2008 15:08:07; Dark ; 41.0; 136; 23Tau Sco ; 2.82; 30000;occ; 82; 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
4; 2378.4; 27-MAY-2008 15:25:07; Bright; 37.5; 67; 5Alp CrB ; 2.22; 11000;occ; 75; 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
8; 3663.0; 27-MAY-2008 15:46:32; Bright; 68.0; 89; 5Alp Cep ; 2.45; 8000;occ; 136; 0;32630
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3; 34.4; 28-MAY-2008 02:30:15; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;32637
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13; 2017.6; 28-MAY-2008 03:03:18; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;32637
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9; 143.1; 28-MAY-2008 04:12:40; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;32638

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6; 1588.5; 29-MAY-2008 20:51:07; Bright; 46.0; 86; 35Eta Oph ; 2.43; 10200;occ; 92; 0;32662
7; 1701.9; 29-MAY-2008 20:53:01; Bright; 42.0; 98; 13Zet Oph ; 2.57; 30000;occ; 84; 0;32662
8; 1834.7; 29-MAY-2008 20:55:14; Bright; 40.5; 120; 1Del Oph ; 2.73; 3200;occ; 81; 0;32662
9; 2016.0; 29-MAY-2008 20:58:15; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;32662
10; 2372.9; 29-MAY-2008 21:04:12; Bright; 38.0; 67; 5Alp CrB ; 2.22; 11000;occ; 76; 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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15; 3931.7; 29-MAY-2008 21:30:11; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;32662
16; 4391.6; 29-MAY-2008 21:37:51; Bright; 42.5; 53; 43Bet And ; 2.05; 3300;occ; 85; 0;32662
17; 4550.9; 29-MAY-2008 21:40:30; Dark ; 50.5; 58; 21Alp And ; 2.07; 11000;occ; 101; 0;32662
18; 4839.9; 29-MAY-2008 21:45:19; Dark ; 51.0; 140; 88Gam Peg ; 2.83; 26000;occ; 102; 0;32662
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6; 470.5; 29-MAY-2008 22:13:05; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32663
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12; 1493.5; 29-MAY-2008 22:30:08; Bright; 40.0; 80; 7Del Sco ; 2.32; 30000;occ; 80; 0;32663
13; 1588.6; 29-MAY-2008 22:31:43; Bright; 46.5; 86; 35Eta Oph ; 2.43; 10200;occ; 93; 0;32663
14; 1701.9; 29-MAY-2008 22:33:37; Bright; 42.0; 98; 13Zet Oph ; 2.57; 30000;occ; 84; 0;32663
15; 1834.7; 29-MAY-2008 22:35:49; Bright; 40.5; 120; 1Del Oph ; 2.73; 3200;occ; 81; 0;32663
16; 2015.9; 29-MAY-2008 22:38:51; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;32663
17; 2372.6; 29-MAY-2008 22:44:47; Bright; 37.0; 67; 5Alp CrB ; 2.22; 11000;occ; 74; 0;32663
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19; 3012.7; 29-MAY-2008 22:55:28; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;32663
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21; 3644.1; 29-MAY-2008 23:05:59; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;32663
22; 3931.5; 29-MAY-2008 23:10:46; Bright; 55.0; 76; 27Gam Cas ; 2.30; 30000;occ; 110; 0;32663
23; 4391.6; 29-MAY-2008 23:18:26; Bright; 41.5; 53; 43Bet And ; 2.05; 3300;occ; 83; 0;32663
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26; 5260.1; 29-MAY-2008 23:32:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32663
27; 5377.3; 29-MAY-2008 23:34:52; Dark ; 46.0; 52; 16Bet Cet ; 2.04; 4500;occ; 92; 0;32663

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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
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19; 6198.2; 29-MAY-2008 15:25:33; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;32658
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21; 6884.7; 29-MAY-2008 15:37:00; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;32658
22; 7058.9; 29-MAY-2008 15:39:54; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;32658
23; 7167.6; 29-MAY-2008 15:41:43; Dark ; 46.5; 25; 35Lam Sco ; 1.62; 28000;occ; 93; 0;32658

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5; 1834.9; 29-MAY-2008 15:53:26; Bright; 40.0; 120; 1Del Oph ; 2.73; 3200;occ; 80; 0;32659
6; 2016.1; 29-MAY-2008 15:56:27; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;32659
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9; 3014.0; 29-MAY-2008 16:13:05; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32659
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13; 4391.4; 29-MAY-2008 16:36:02; Bright; 40.0; 53; 43Bet And ; 2.05; 3300;occ; 80; 0;32659
14; 4550.4; 29-MAY-2008 16:38:41; Dark ; 52.0; 58; 21Alp And ; 2.07; 11000;occ; 104; 0;32659
15; 4838.7; 29-MAY-2008 16:43:30; Dark ; 50.0; 140; 88Gam Peg ; 2.83; 26000;occ; 100; 0;32659
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22; 6885.0; 29-MAY-2008 17:17:36; Dark ; 38.0; 141; Bet Ara ; 2.84; 4600;occ; 76; 0;32659
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6; 1702.0; 29-MAY-2008 17:31:49; Bright; 40.5; 98; 13Zet Oph ; 2.57; 30000;occ; 81; 0;32660
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22; 6200.1; 29-MAY-2008 18:46:47; Dark ; 47.0; 31; Alp Gru ; 1.73; 15200;occ; 94; 0;32660
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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11; 2543.3; 29-MAY-2008 19:26:26; Bright; 43.0; 133; 40Zet Her ; 2.81; 6000;occ; 86; 0;32661
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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 19; 5258.6; 29-MAY-2008 20:11:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32661
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 21; 5881.2; 29-MAY-2008 20:22:04; Dark ; 63.0; 18; 24Alp PsA ; 1.17; 9700;occ; 126; 0;32661
 22; 6090.7; 29-MAY-2008 20:25:34; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;32661
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 24; 6505.8; 29-MAY-2008 20:32:29; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 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
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1; 1085.8; 31-MAY-2008 17:58:55; Dark ; 106.5; 25; 35Lam Sco ; 1.62; 28000;occ; 213; 0;32689
 2; 1317.8; 31-MAY-2008 18:02:47; Dark ; 103.5; 136; 23Tau Sco ; 2.82; 30000;occ; 207; 0;32689
 3; 1527.9; 31-MAY-2008 18:06:17; Bright; 108.0; 86; 35Eta Oph ; 2.43; 10200;occ; 216; 0;32689
 4; 1778.1; 31-MAY-2008 18:10:27; Bright; 96.0; 120; 1Del Oph ; 2.73; 3200;occ; 192; 0;32689
 5; 1961.7; 31-MAY-2008 18:13:31; Bright; 90.5; 102; 24Alp Ser ; 2.60; 4250;occ; 181; 0;32689
 6; 2263.1; 31-MAY-2008 18:18:32; Bright; 103.0; 127; 27Bet Her ; 2.78; 4700;occ; 206; 0;32689
 7; 2469.1; 31-MAY-2008 18:21:58; Bright; 102.5; 133; 40Zet Her ; 2.81; 6000;occ; 205; 0;32689
 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
 13; 4786.6; 31-MAY-2008 19:00:36; Dark ; 117.0; 140; 88Gam Peg ; 2.83; 26000;occ; 234; 0;32689
 14; 5282.2; 31-MAY-2008 19:08:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32689
 15; 5846.5; 31-MAY-2008 19:18:16; Dark ; 122.0; 18; 24Alp PsA ; 1.17; 9700;occ; 244; 0;32689
 16; 6114.3; 31-MAY-2008 19:22:43; Dark ; 55.0; 63; Bet Gru ; 2.15; 2800;occ; 110; 0;32689
 17; 6227.0; 31-MAY-2008 19:24:36; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;32689
 18; 6525.1; 31-MAY-2008 19:29:34; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32689
 19; 6971.7; 31-MAY-2008 19:37:01; Dark ; 39.0; 147; Alp Ara ; 2.88; 26000;occ; 78; 0;32689
 20; 7073.0; 31-MAY-2008 19:38:42; Dark ; 44.0; 40; The Sco ; 1.86; 7100;occ; 88; 0;32689