

GOMOS Daily Report 30-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	01JUN2008 05:32:18
Data source version	GOMOS/5.00
Start time of products	QDS_YESTERDAY(/START)-1D (30MAY2008 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP)-1D (31MAY2008 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)

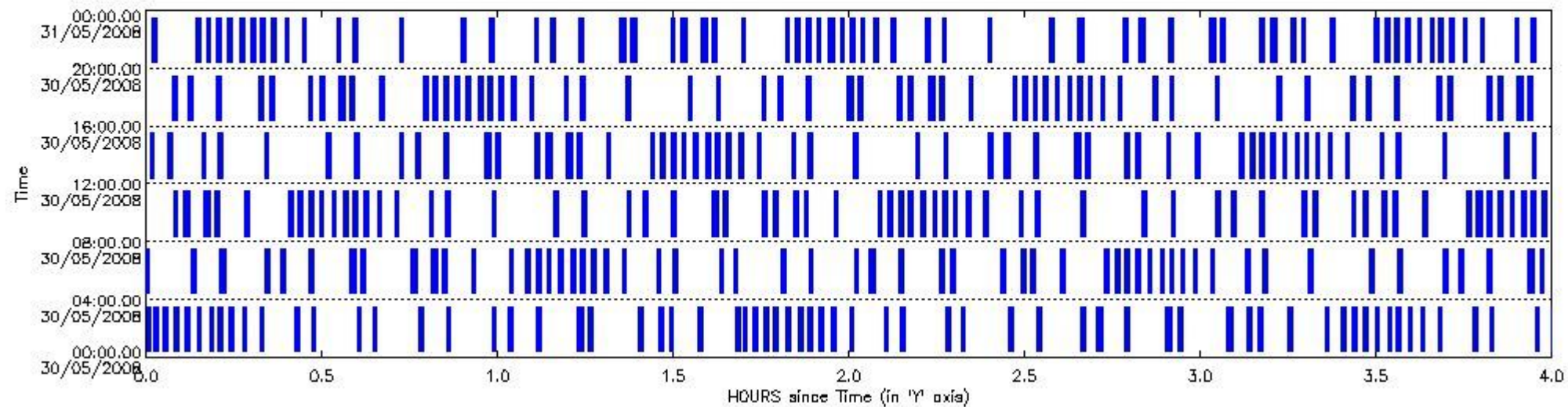
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

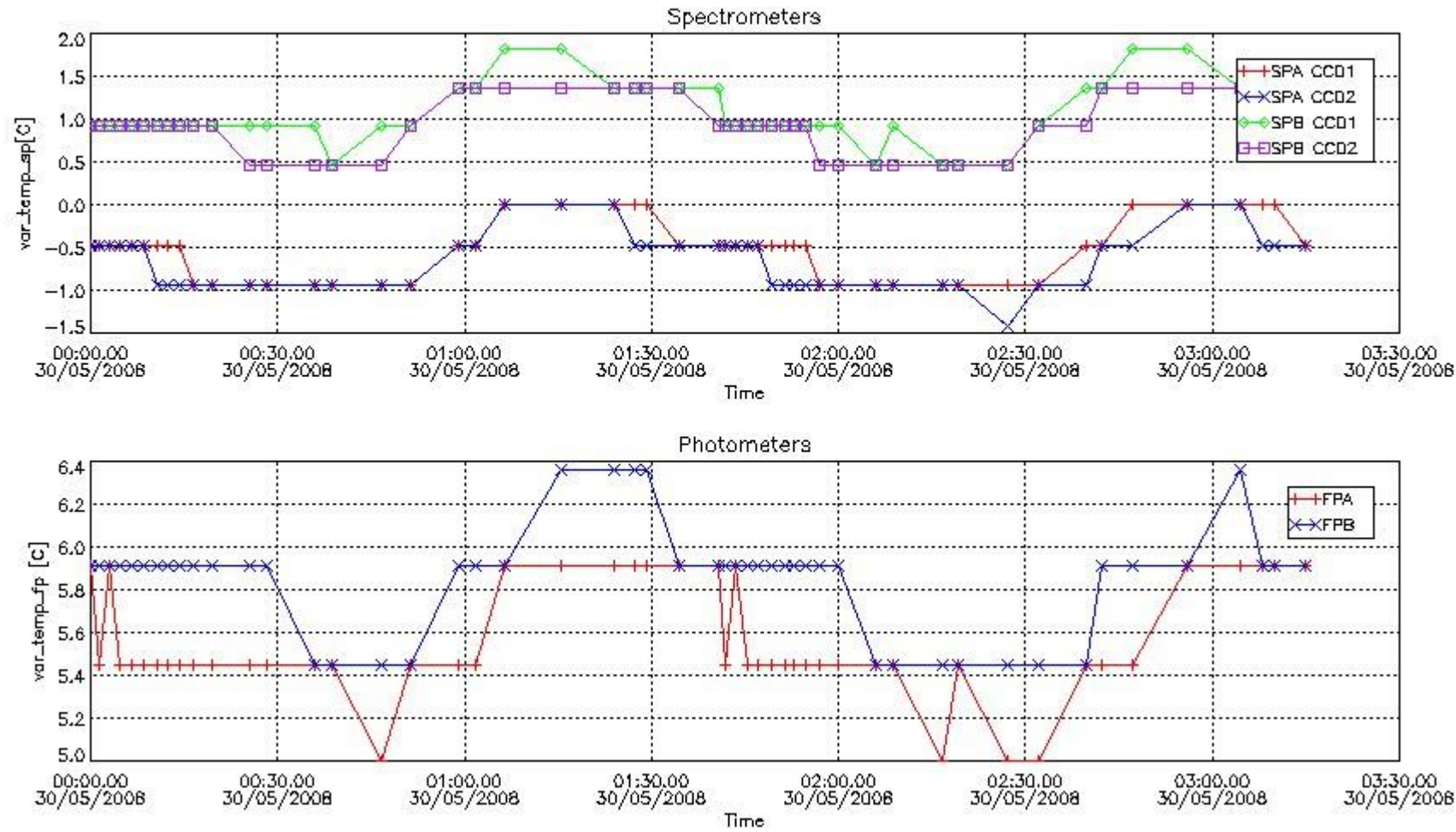
No missing products.

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_1PNPDE20080530_000001_000000412069_00045_32664_1586.N1	30-MAY-2008 00:00:01	Straylight	41.000	141	Bet Ara	2.8400	4600.0	82	32664	No
2	GOM_TRA_1PNPDE20080530_000115_000000392069_00045_32664_1587.N1	30-MAY-2008 00:01:15	Straylight	39.000	147	Alp Ara	2.8770	26000.	78	32664	No
3	GOM_TRA_1PNPDE20080530_000256_000000482069_00045_32664_1588.N1	30-MAY-2008 00:02:56	Straylight	47.500	40	The Sco	1.8590	7100.0	95	32664	No
4	GOM_TRA_1PNPDE20080530_000444_000000492069_00045_32664_1589.N1	30-MAY-2008 00:04:44	Twilight_stray	49.000	25	35Lam Sco	1.6200	28000.	98	32664	No
5	GOM_TRA_1PNPDE20080530_000634_000000482069_00045_32664_1590.N1	30-MAY-2008 00:06:34	Twilight_stray	48.000	75	26Eps Sco	2.2910	4250.0	96	32664	No
6	GOM_TRA_1PNPDE20080530_000838_000000442069_00045_32664_1591.N1	30-MAY-2008 00:08:38	Bright	43.500	136	23Tau Sco	2.8220	30000.	87	32664	No
7	GOM_TRA_1PNPDE20080530_001044_000000392069_00045_32664_1592.N1	30-MAY-2008 00:10:44	Bright	39.000	80	7Del Sco	2.3160	30000.	78	32664	No
8	GOM_TRA_1PNPDE20080530_001219_000000472069_00045_32664_1593.N1	30-MAY-2008 00:12:19	Bright	47.000	86	35Eta Oph	2.4300	10200.	94	32664	No
9	GOM_TRA_1PNPDE20080530_001413_000000432069_00045_32664_1594.N1	30-MAY-2008 00:14:13	Bright	42.500	98	13Zet Oph	2.5710	30000.	85	32664	No
10	GOM_TRA_1PNPDE20080530_001625_000000402069_00045_32664_1595.N1	30-MAY-2008 00:16:25	Bright	40.000	120	1Del Oph	2.7340	3200.0	80	32664	No
11	GOM_TRA_1PNPDE20080530_001927_000000382069_00045_32664_1596.N1	30-MAY-2008 00:19:27	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	32664	No
12	GOM_TRA_1PNPDE20080530_002523_000000392069_00045_32664_1597.N1	30-MAY-2008 00:25:23	Bright	39.000	67	5Alp CrB	2.2210	11000.	78	32664	No

13	GOM_TRA_1PNPDE20080530_002812_000000422069_00045_32664_1598.N1	30-MAY-2008 00:28:12	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	32664	No
14	GOM_TRA_1PNPDE20080530_003603_000000402069_00045_32664_1599.N1	30-MAY-2008 00:36:03	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	32664	No
15	GOM_TRA_1PNPDE20080530_003838_000000332069_00045_32664_1600.N1	30-MAY-2008 00:38:38	Bright	32.500	60	7Bet UMi	2.0810	3950.0	65	32664	No
16	GOM_TRA_1PNPDE20080530_004634_000000462069_00045_32664_1601.N1	30-MAY-2008 00:46:34	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	32664	No
17	GOM_TRA_1PNPDE20080530_005122_000000372069_00045_32664_1602.N1	30-MAY-2008 00:51:22	Bright	37.000	76	27Gam Cas	2.3000	30000.	74	32664	No
18	GOM_TRA_1PNPDE20080530_005902_000000442069_00045_32664_1603.N1	30-MAY-2008 00:59:02	Bright	43.500	53	43Bet And	2.0480	3300.0	87	32664	No
19	GOM_TRA_1PNPDE20080530_010142_000000532069_00045_32664_1604.N1	30-MAY-2008 01:01:42	Twilight	52.500	58	21Alp And	2.0730	11000.	105	32664	No
20	GOM_TRA_1PNPDE20080530_010632_000000492069_00045_32664_1605.N1	30-MAY-2008 01:06:32	Dark	49.000	140	88Gam Peg	2.8340	26000.	98	32664	No
21	GOM_TRA_1PNPDE20080530_011529_000000442069_00045_32664_1791.N1	30-MAY-2008 01:15:29	Dark	44.000	52	16Bet Cet	2.0370	4500.0	88	32664	No
22	GOM_TRA_1PNPDE20080530_012355_000000602069_00045_32664_1792.N1	30-MAY-2008 01:23:55	Dark	59.500	18	24Alp PsA	1.1660	9700.0	119	32664	No
23	GOM_TRA_1PNPDE20080530_012724_000000552069_00046_32665_1793.N1	30-MAY-2008 01:27:24	Dark	54.500	63	Bet Gru	2.1500	2800.0	109	32665	No
24	GOM_TRA_1PNPDE20080530_012914_000000442069_00046_32665_1794.N1	30-MAY-2008 01:29:14	Dark	44.000	31	Alp Gru	1.7340	15200.	88	32665	No
25	GOM_TRA_1PNPDE20080530_013418_000000432069_00046_32665_1795.N1	30-MAY-2008 01:34:18	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	32665	No
26	GOM_TRA_1PNPDE20080530_014037_000000412069_00046_32665_1796.N1	30-MAY-2008 01:40:37	Straylight	41.000	141	Bet Ara	2.8400	4600.0	82	32665	No
27	GOM_TRA_1PNPDE20080530_014152_000000422069_00046_32665_1797.N1	30-MAY-2008 01:41:52	Straylight	41.500	147	Alp Ara	2.8770	26000.	83	32665	No
28	GOM_TRA_1PNPDE20080530_014332_000000442069_00046_32665_1798.N1	30-MAY-2008 01:43:32	Straylight	44.000	40	The Sco	1.8590	7100.0	88	32665	No
29	GOM_TRA_1PNPDE20080530_014521_000000492069_00046_32665_1799.N1	30-MAY-2008 01:45:21	Twilight	49.000	25	35Lam Sco	1.6200	28000.	98	32665	No
30	GOM_TRA_1PNPDE20080530_014710_000000452069_00046_32665_1800.N1	30-MAY-2008 01:47:10	Twilight	44.500	75	26Eps Sco	2.2910	4250.0	89	32665	No
31	GOM_TRA_1PNPDE20080530_014914_000000542069_00046_32665_1801.N1	30-MAY-2008 01:49:14	Bright	54.000	136	23Tau Sco	2.8220	30000.	108	32665	No
32	GOM_TRA_1PNPDE20080530_015120_000000402069_00046_32665_1802.N1	30-MAY-2008 01:51:20	Bright	40.000	80	7Del Sco	2.3160	30000.	80	32665	No
33	GOM_TRA_1PNPDE20080530_015255_000000472069_00046_32665_1803.N1	30-MAY-2008 01:52:55	Bright	47.000	86	35Eta Oph	2.4300	10200.	94	32665	No
34	GOM_TRA_1PNPDE20080530_015449_000000442069_00046_32665_1804.N1	30-MAY-2008 01:54:49	Bright	43.500	98	13Zet Oph	2.5710	30000.	87	32665	No
35	GOM_TRA_1PNPDE20080530_015701_000000402069_00046_32665_1805.N1	30-MAY-2008 01:57:01	Bright	40.000	120	1Del Oph	2.7340	3200.0	80	32665	No
36	GOM_TRA_1PNPDE20080530_020002_000000382069_00046_32665_1806.N1	30-MAY-2008 02:00:02	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	32665	No
37	GOM_TRA_1PNPDE20080530_020559_000000372069_00046_32665_1807.N1	30-MAY-2008 02:05:59	Bright	36.500	67	5Alp CrB	2.2210	11000.	73	32665	No
38	GOM_TRA_1PNPDE20080530_020848_000000452069_00046_32665_1808.N1	30-MAY-2008 02:08:48	Bright	44.500	133	40Zet Her	2.8070	6000.0	89	32665	No
39	GOM_TRA_1PNPDE20080530_021638_000000372069_00046_32665_1809.N1	30-MAY-2008 02:16:38	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	32665	No
40	GOM_TRA_1PNPDE20080530_021913_000000372069_00046_32665_1810.N1	30-MAY-2008 02:19:13	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	32665	No
41	GOM_TRA_1PNPDE20080530_022709_000000462069_00046_32665_1811.N1	30-MAY-2008 02:27:09	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	32665	No
42	GOM_TRA_1PNPDE20080530_023158_000000552069_00046_32665_180.N1	30-MAY-2008 02:31:58	Bright	55.000	76	27Gam Cas	2.3000	30000.	110	32665	No
43	GOM_TRA_1PNPDE20080530_023938_000000432069_00046_32665_1981.N1	30-MAY-2008 02:39:38	Bright	42.500	53	43Bet And	2.0480	3300.0	85	32665	No
44	GOM_TRA_1PNPDE20080530_024218_000000542069_00046_32665_1982.N1	30-MAY-2008 02:42:18	Twilight	53.500	58	21Alp And	2.0730	11000.	107	32665	No
45	GOM_TRA_1PNPDE20080530_024708_000000502069_00046_32665_1983.N1	30-MAY-2008 02:47:08	Dark	50.000	140	88Gam Peg	2.8340	26000.	100	32665	No
46	GOM_TRA_1PNPDE20080530_025605_000000462069_00046_32665_1984.N1	30-MAY-2008 02:56:05	Dark	45.500	52	16Bet Cet	2.0370	4500.0	91	32665	No
47	GOM_TRA_1PNPDE20080530_030432_000000532069_00046_32665_1985.N1	30-MAY-2008 03:04:32	Dark	53.000	18	24Alp PsA	1.1660	9700.0	106	32665	No
48	GOM_TRA_1PNPDE20080530_030801_000000472069_00047_32666_1986.N1	30-MAY-2008 03:08:01	Dark	47.000	63	Bet Gru	2.1500	2800.0	94	32666	No
49	GOM_TRA_1PNPDE20080530_030951_000000452069_00047_32666_1987.N1	30-MAY-2008 03:09:51	Dark	44.500	31	Alp Gru	1.7340	15200.	89	32666	No
50	GOM_TRA_1PNPDE20080530_031455_000000412069_00047_32666_1988.N1	30-MAY-2008 03:14:55	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	32666	No

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



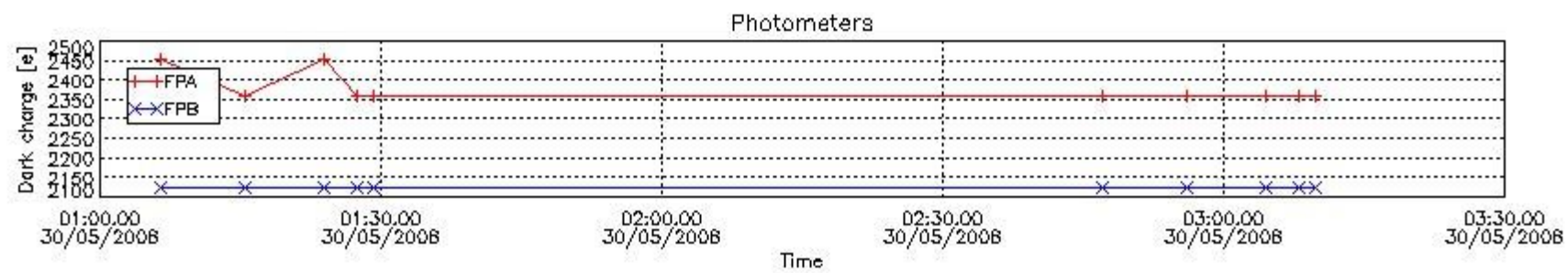
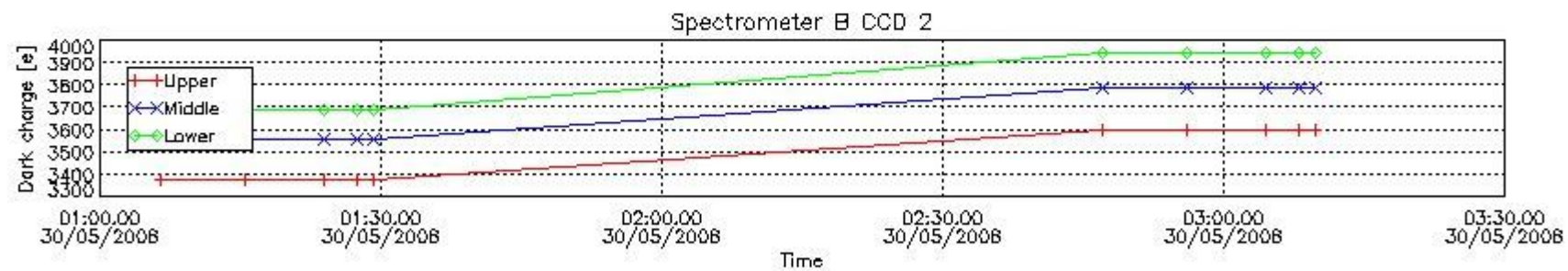
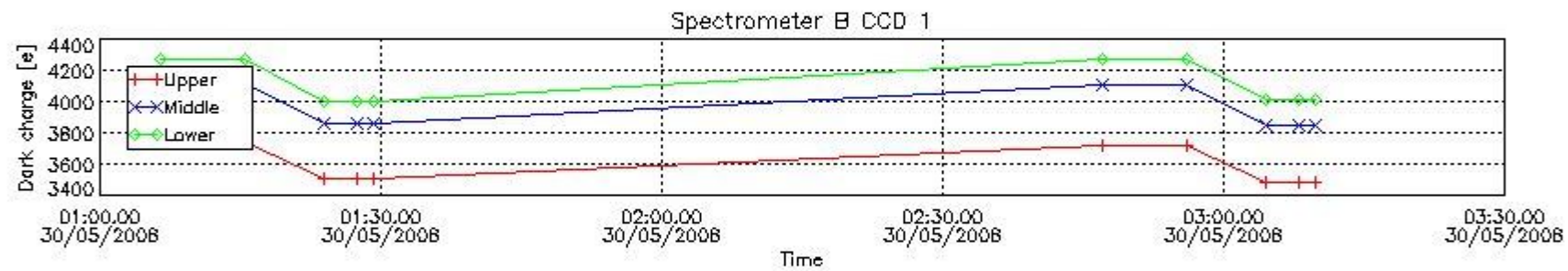
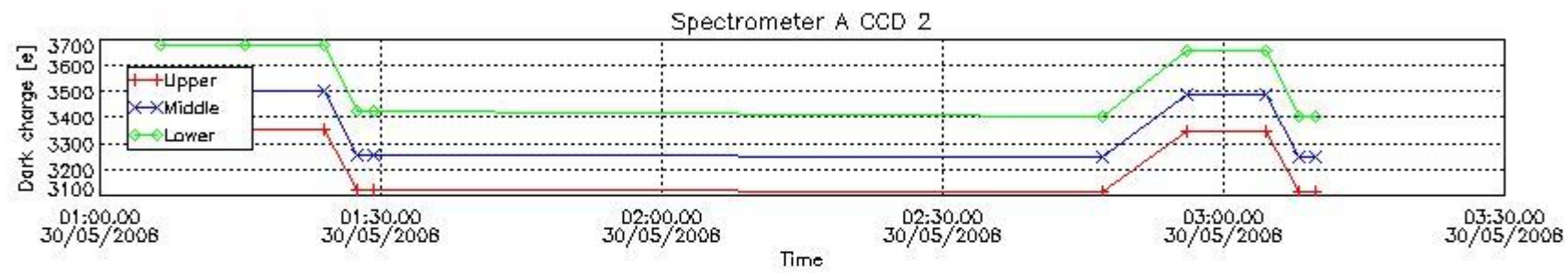
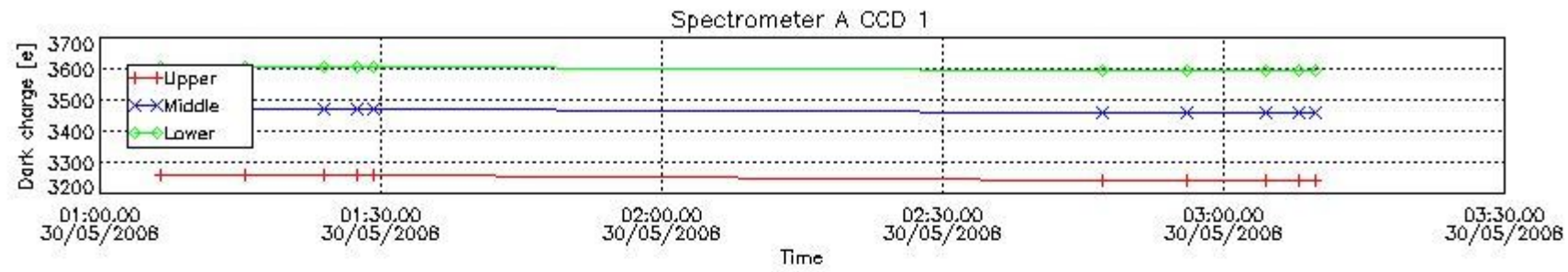
4. Overview of dark signal processing per product

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



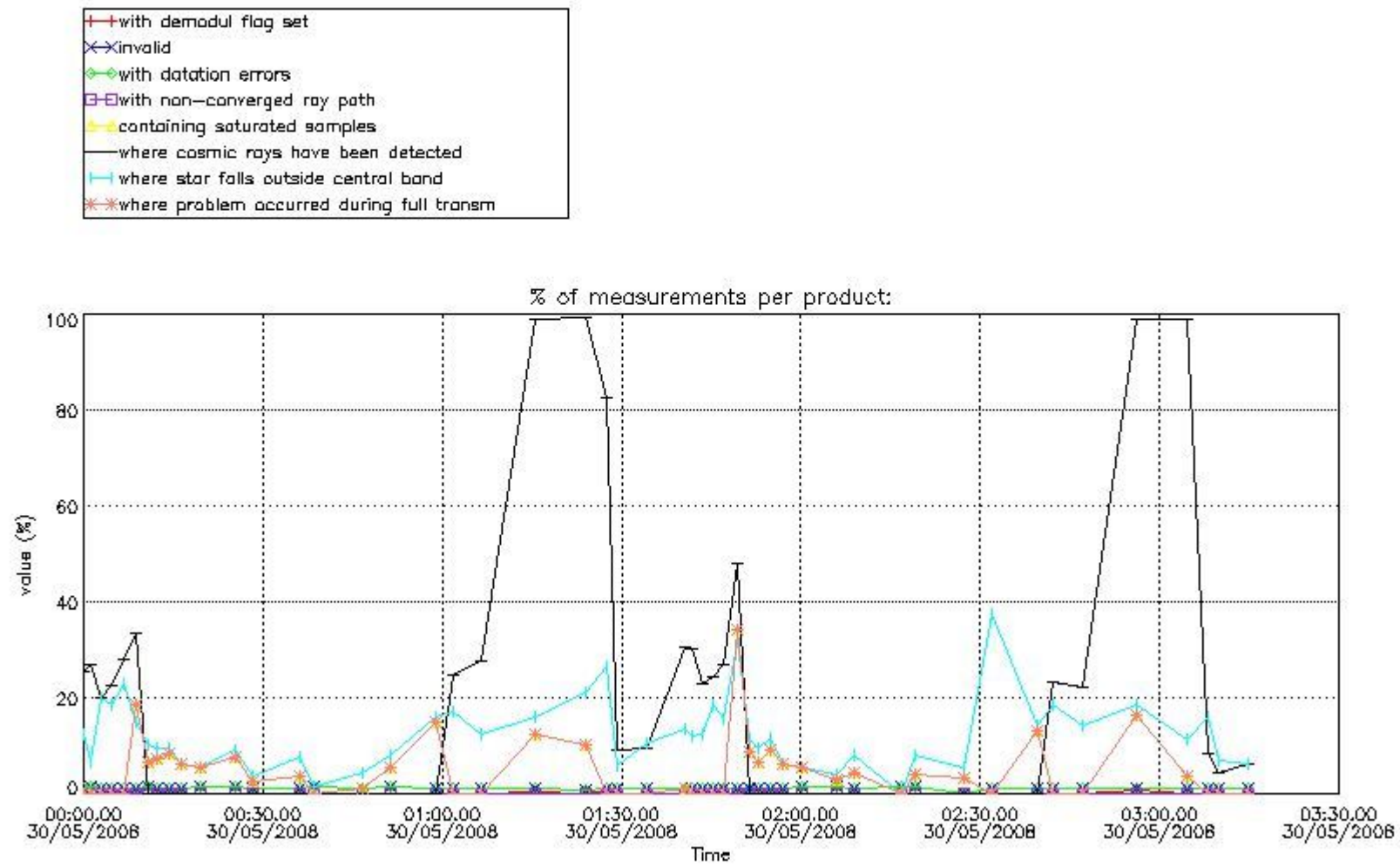
5. Demodulation flag and quality information monitoring

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.

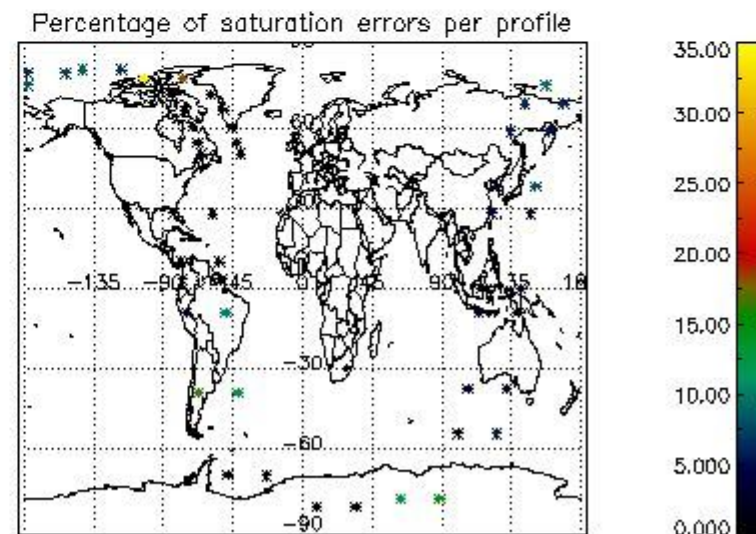
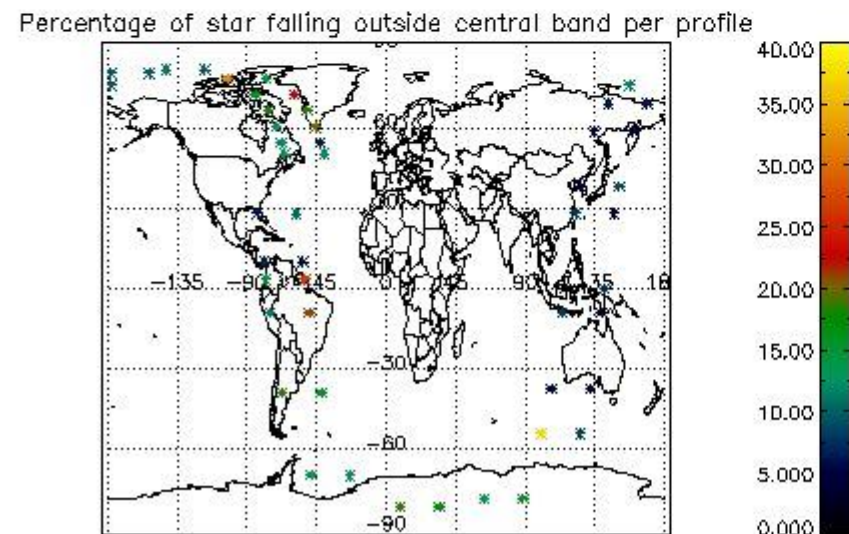
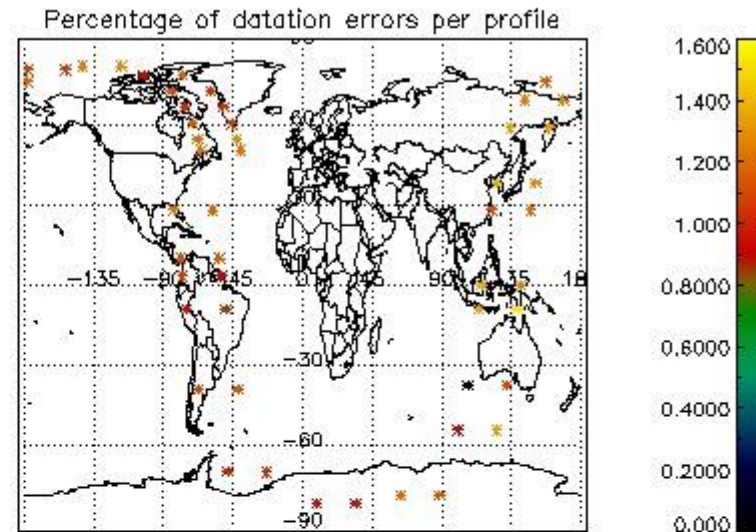
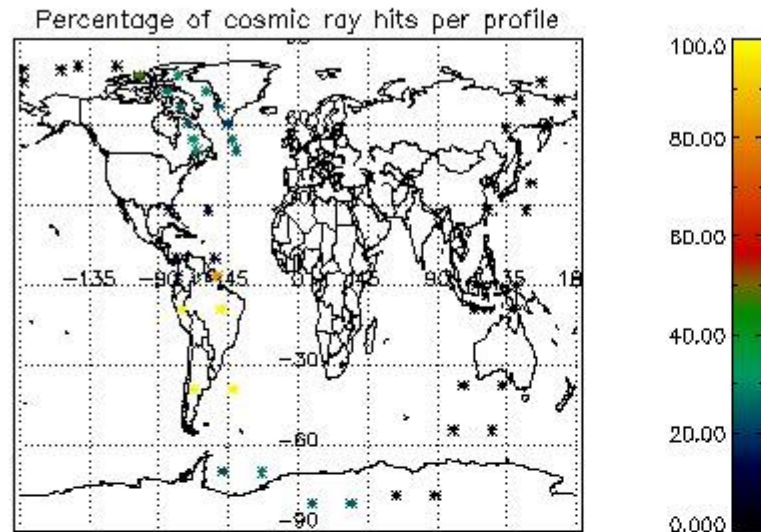
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	30.0000 %
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)



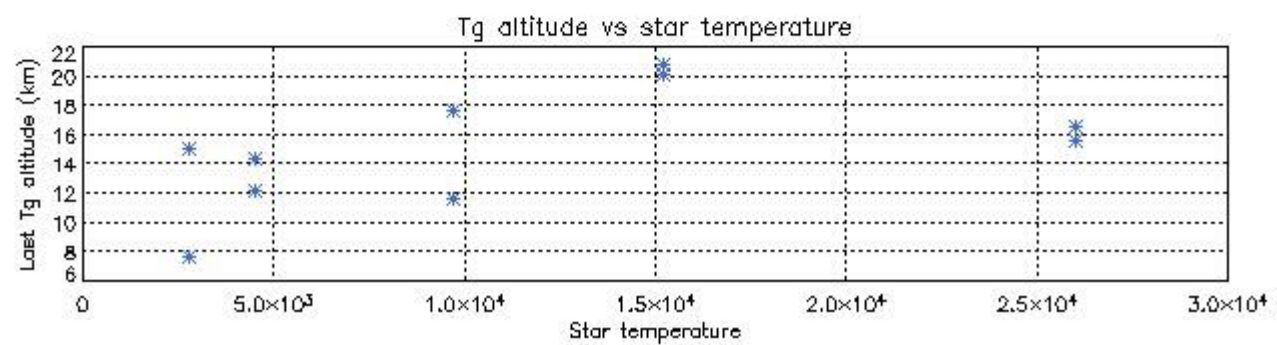
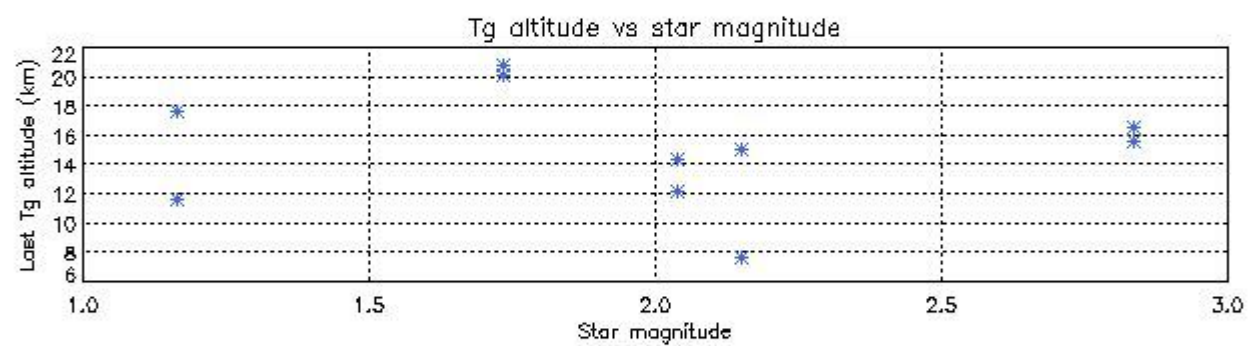
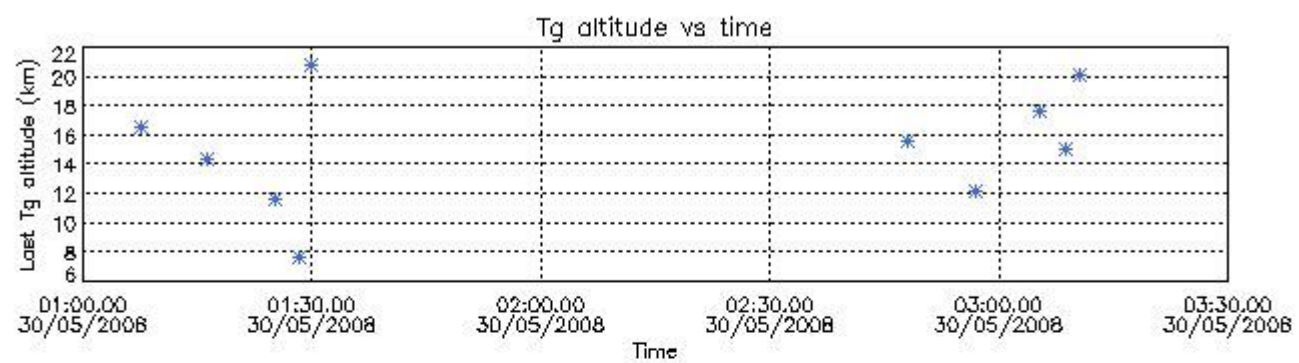
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.129	18.851	NaN
St. deviation:	4.0037	5.2983	NaN
Maximum:	20.818	28.935	NaN
Minimum:	7.5981	3.9532	NaN
Number of data:	10.000	26.000	NaN

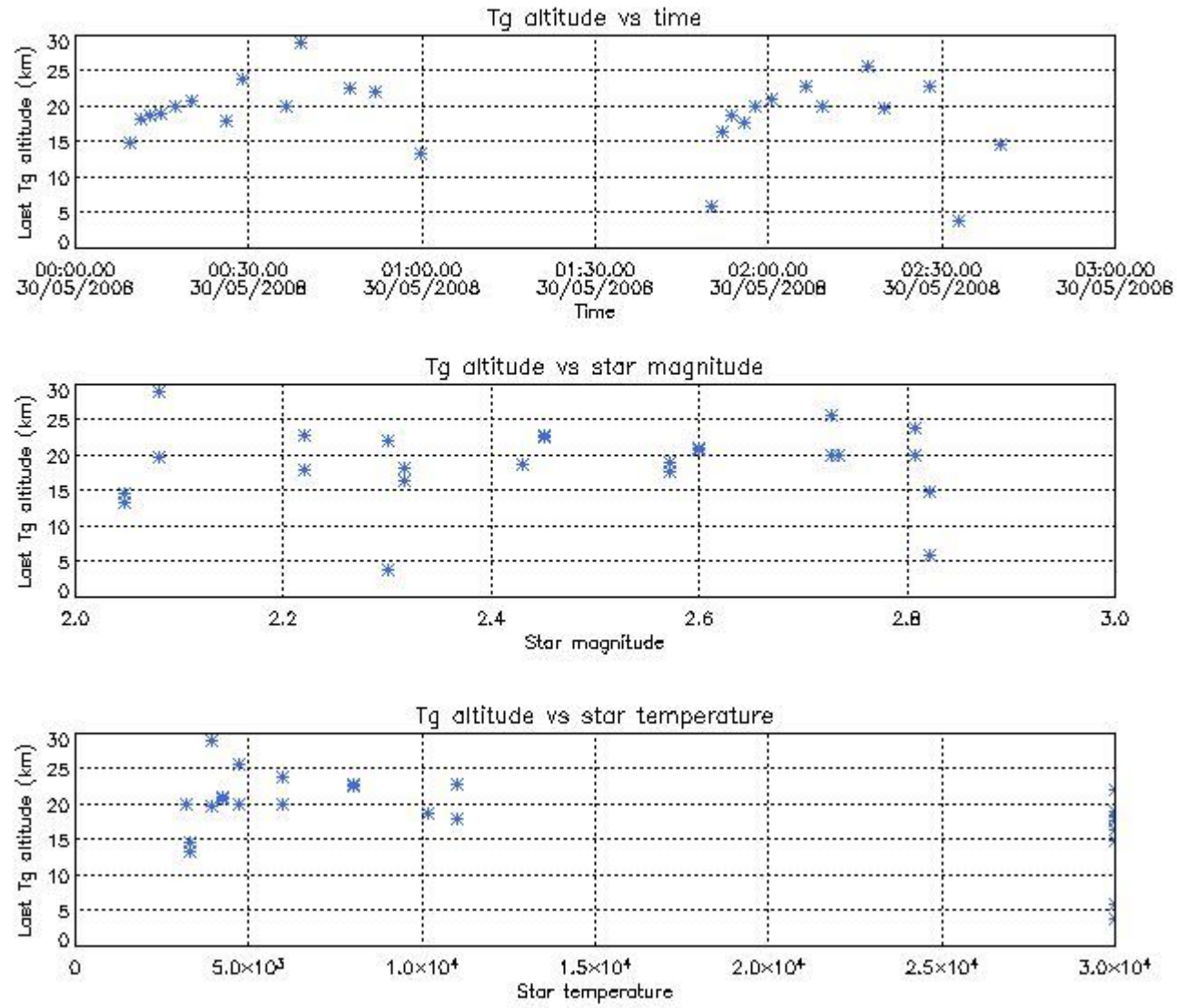
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

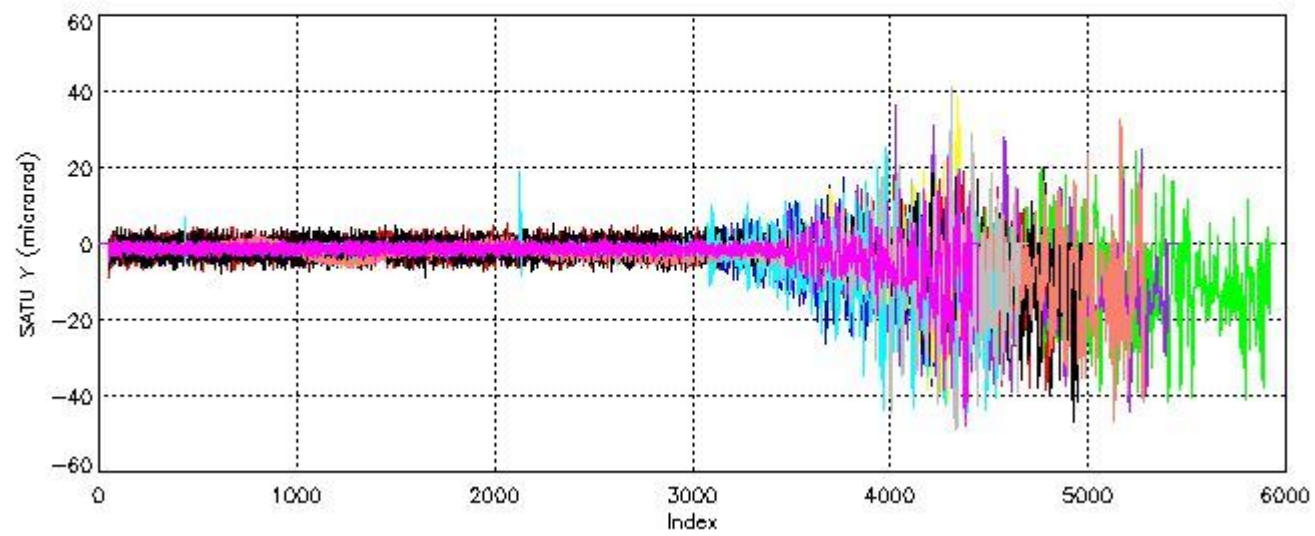
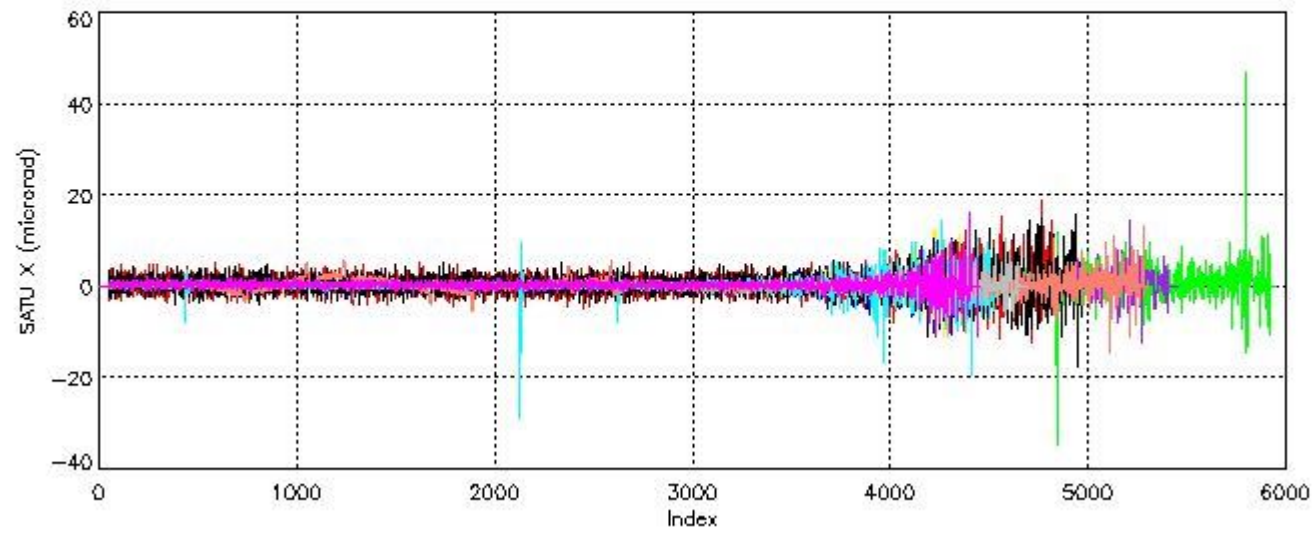


7. Star Acquisition and Tracking Unit (SATU)

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:	0.30586	-1.2718	0.24765	-1.2441
St. deviation:	0.66355	1.1649	0.78730	1.2514
Maximum:	5.8000	6.9000	4.5000	5.7000
Minimum:	-8.1000	-8.8000	-4.3000	-7.9000

Number of data:	10850.	10850.	23850.	23850.
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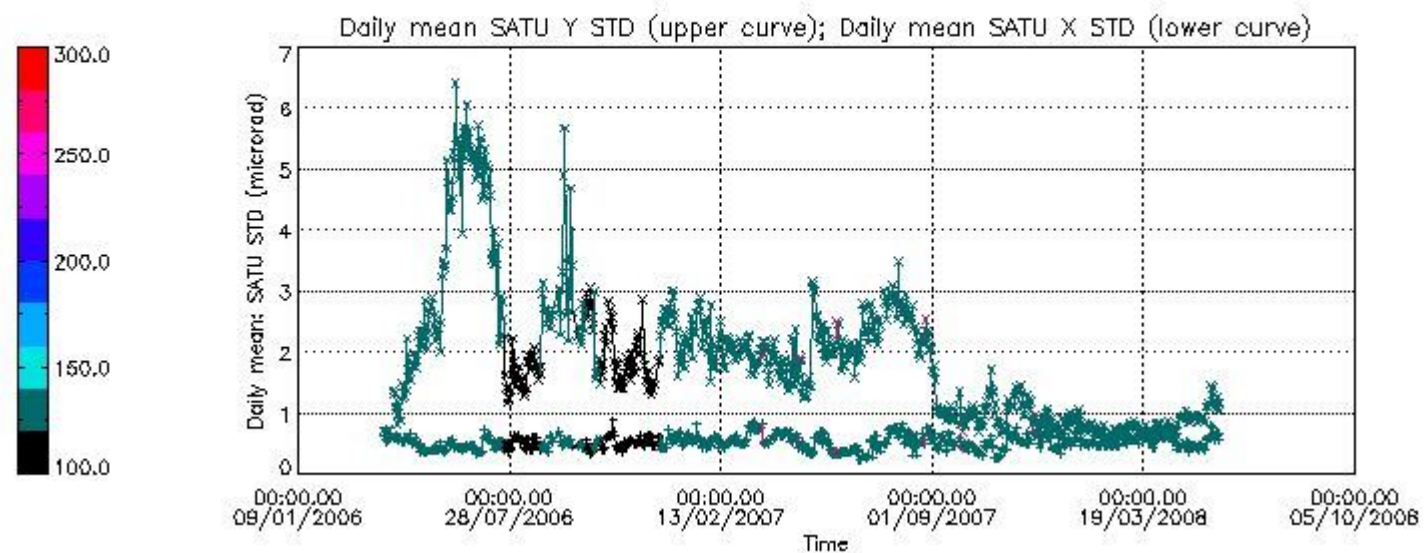
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

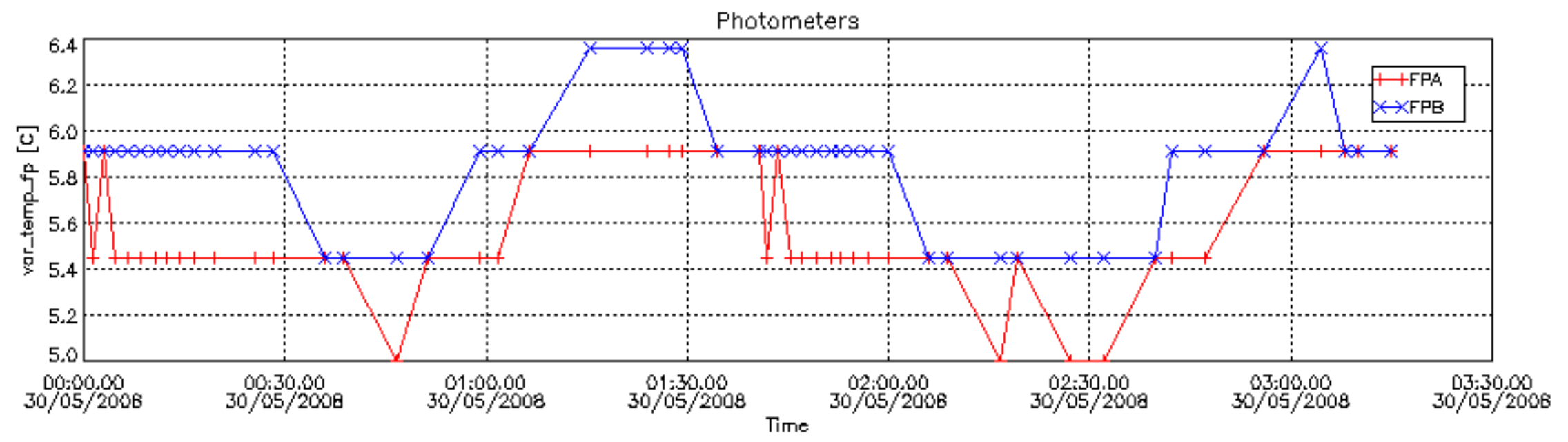
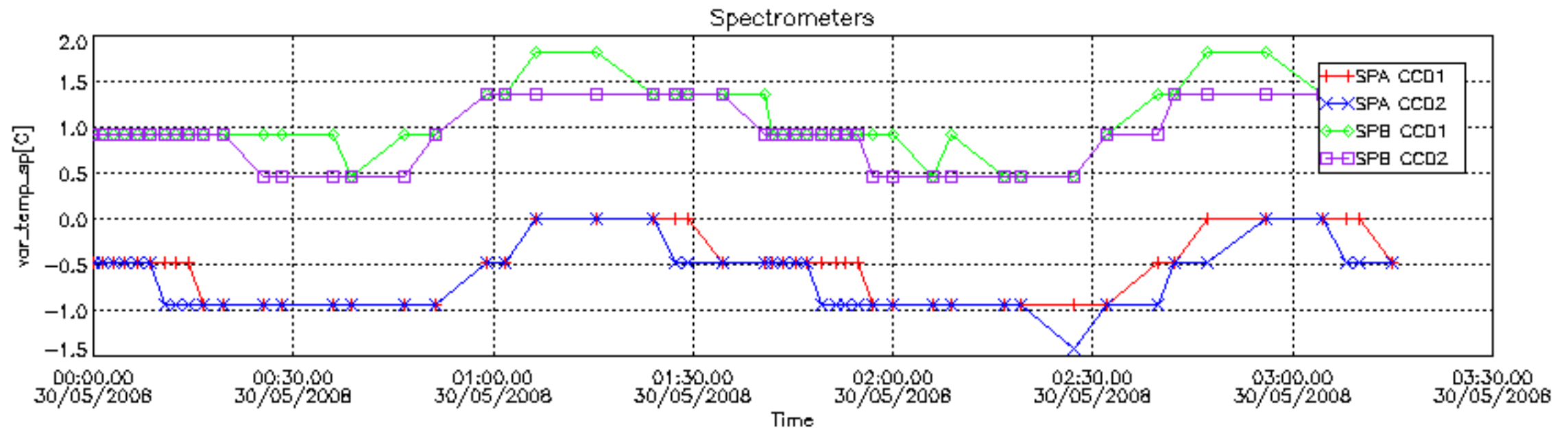
Lower curve: STD of SATU X axis

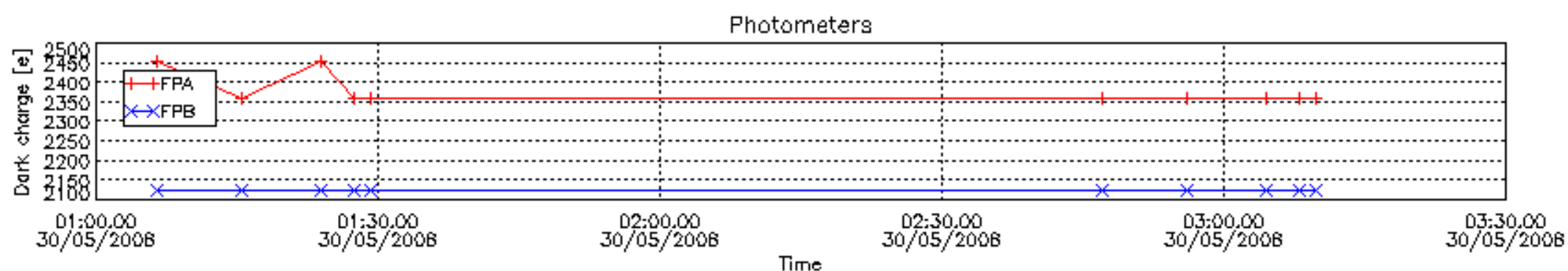
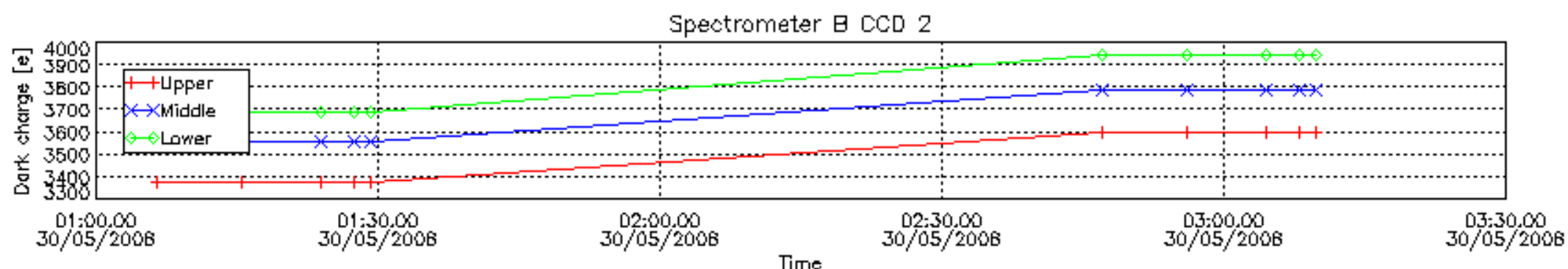
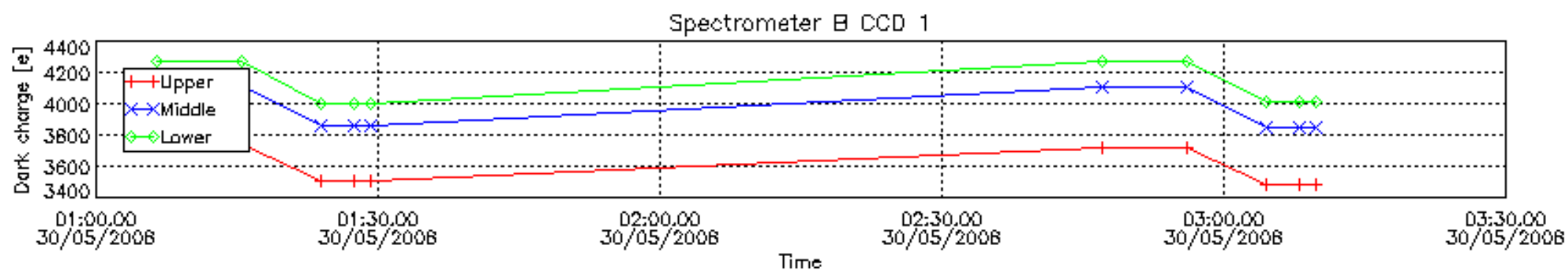
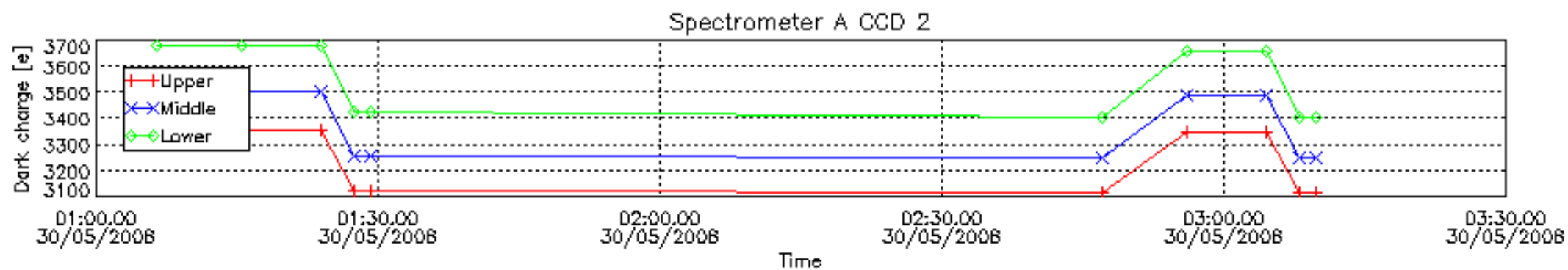
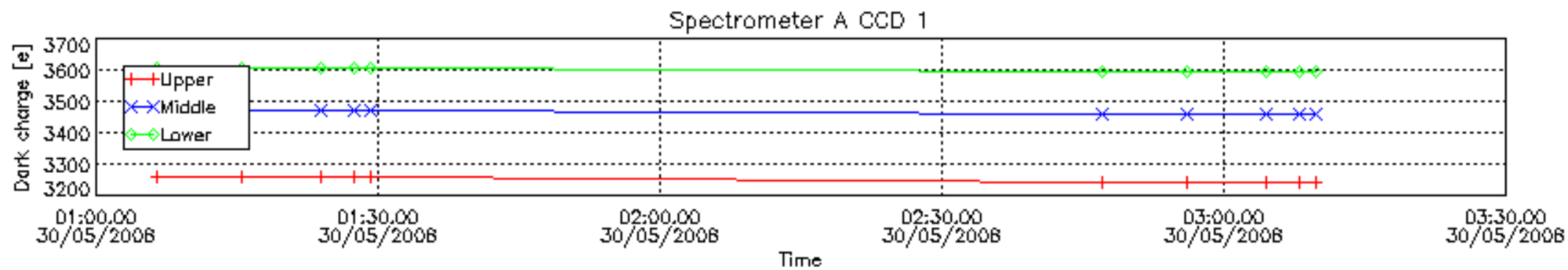


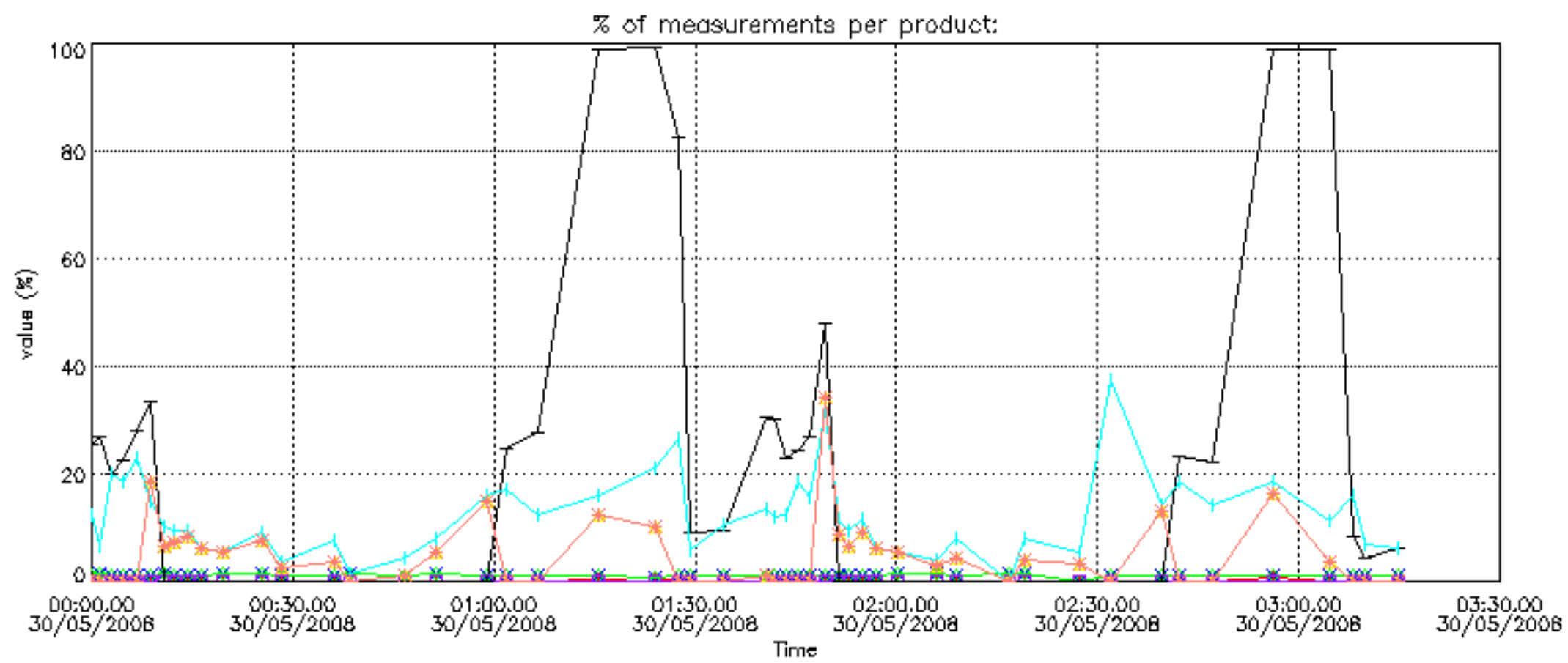
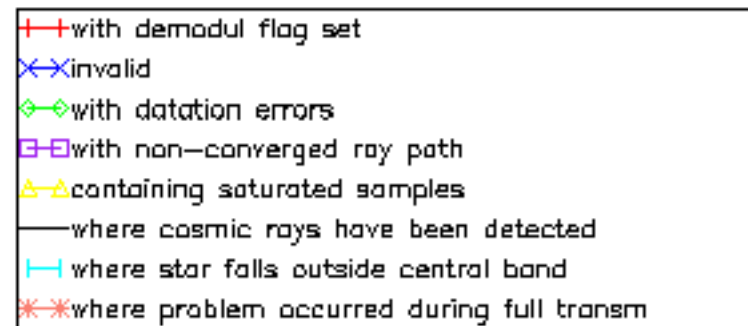
8. Auxiliary Data Files used for the production reported in section 2.4

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.

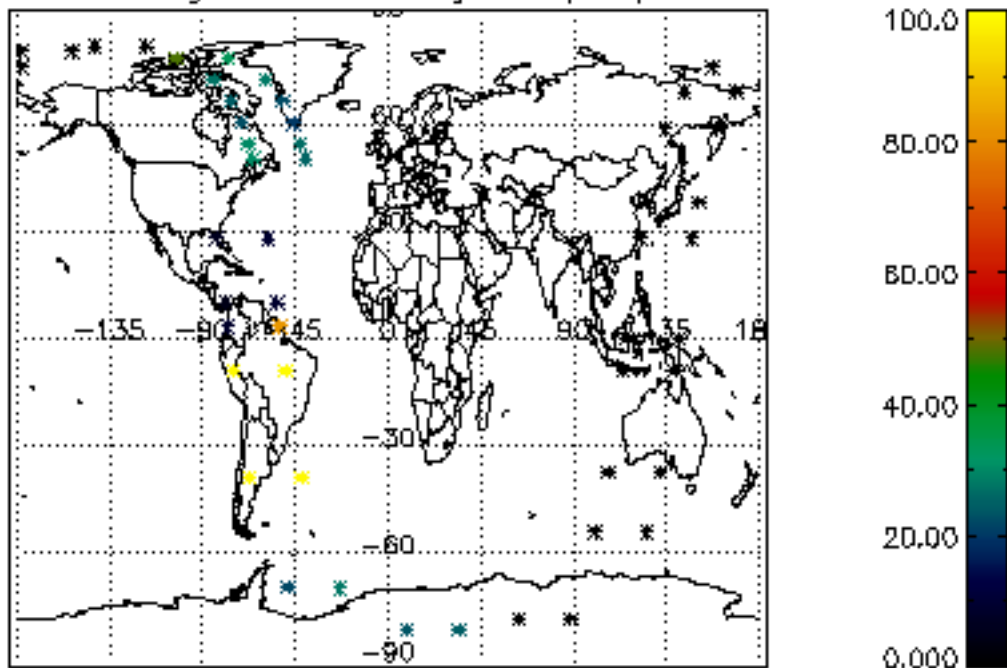
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	30-MAY-2008 00:00:01
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20080523_131121_20080521_000000_20100101_000000	1	30-MAY-2008 00:00:01
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	30-MAY-2008 00:00:01
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	30-MAY-2008 00:00:01
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	30-MAY-2008 00:00:01
ECMWF_FILE	AUX_ECF_AXNECM20080529_072114_20080529_210000_20080530_090000	1	30-MAY-2008 00:00:01
OPTIONAL_ECMWF_FILE	MISSING	1	30-MAY-2008 00:00:01
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080529_214709_000060572069_00043_32662_5631.N1	1	30-MAY-2008 00:00:01
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080529_233325_000054192069_00044_32663_5632.N1	21	30-MAY-2008 01:15:29
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080530_010904_000044632069_00045_32664_5633.N1	42	30-MAY-2008 02:31:58



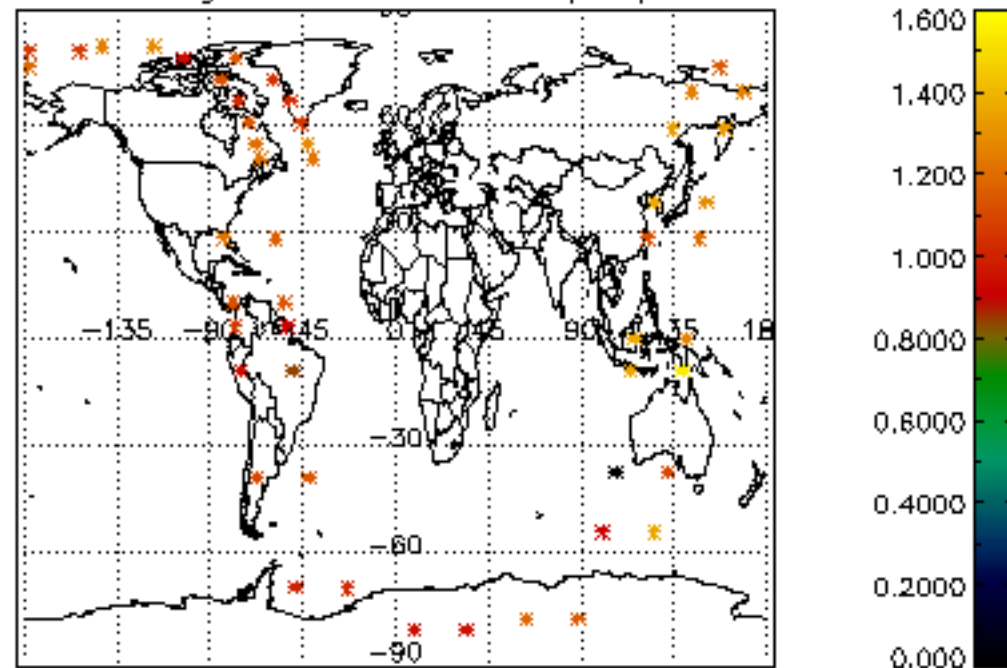




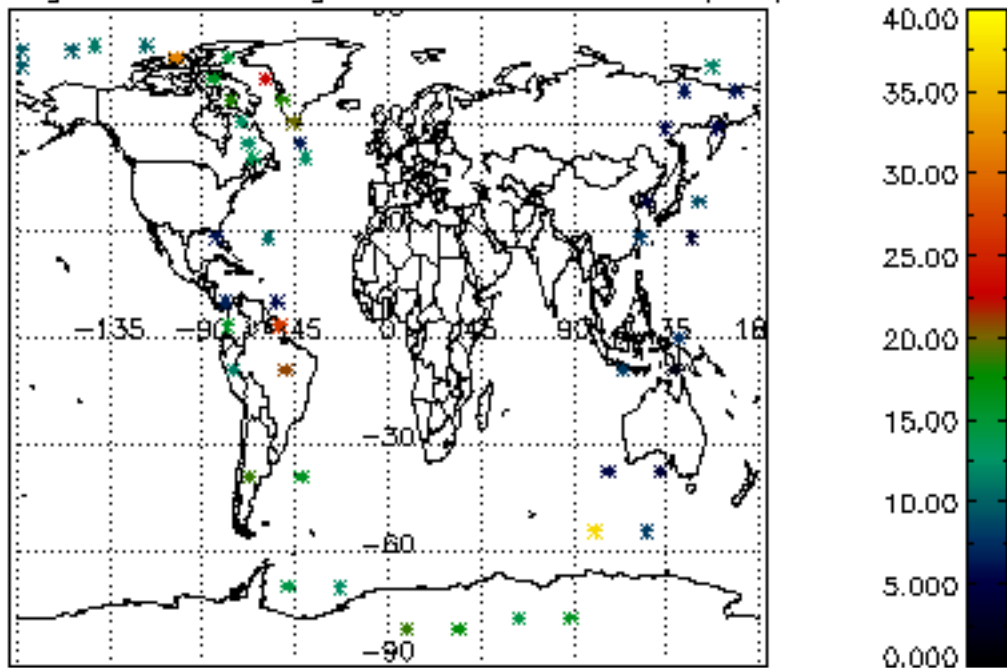
Percentage of cosmic ray hits per profile



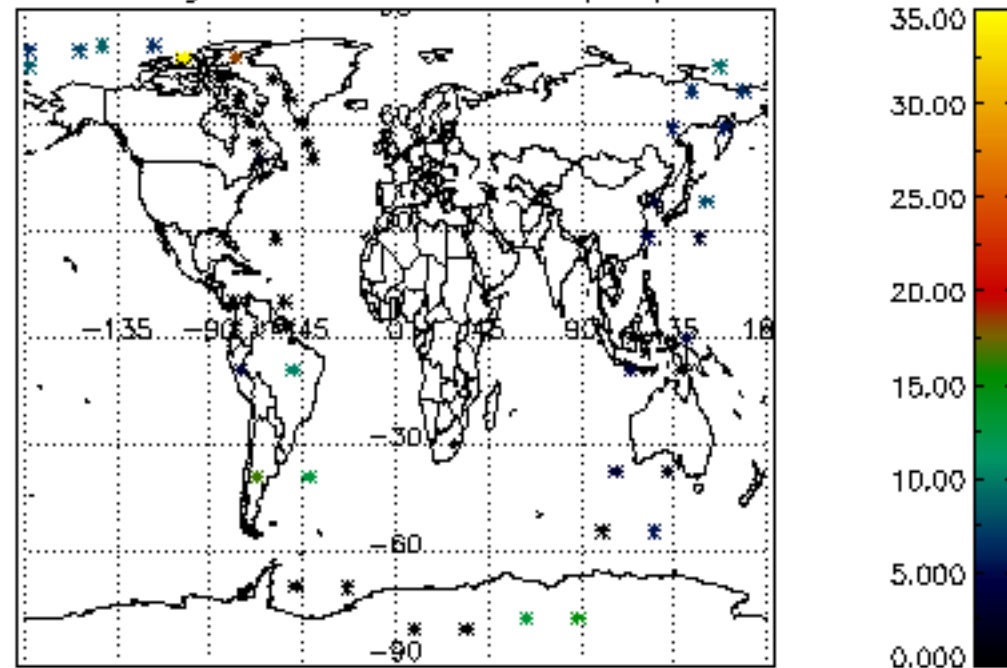
Percentage of datation errors per profile



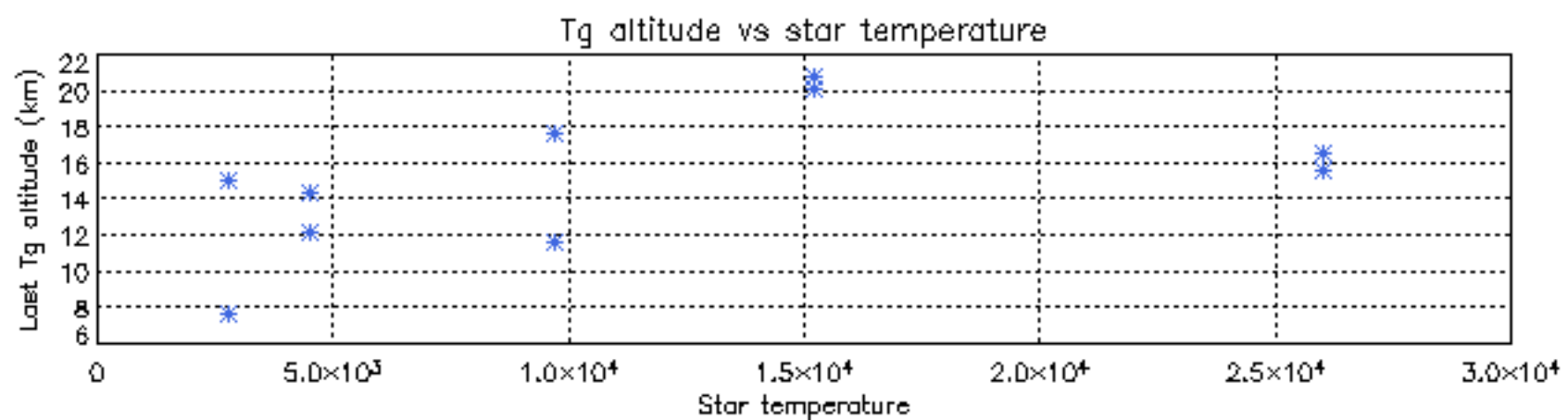
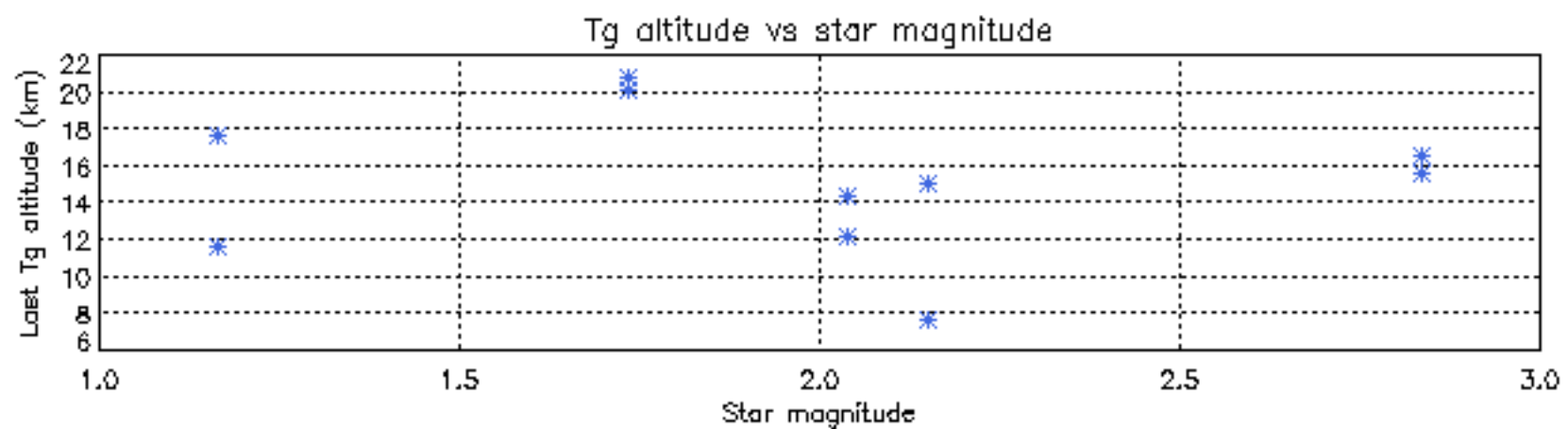
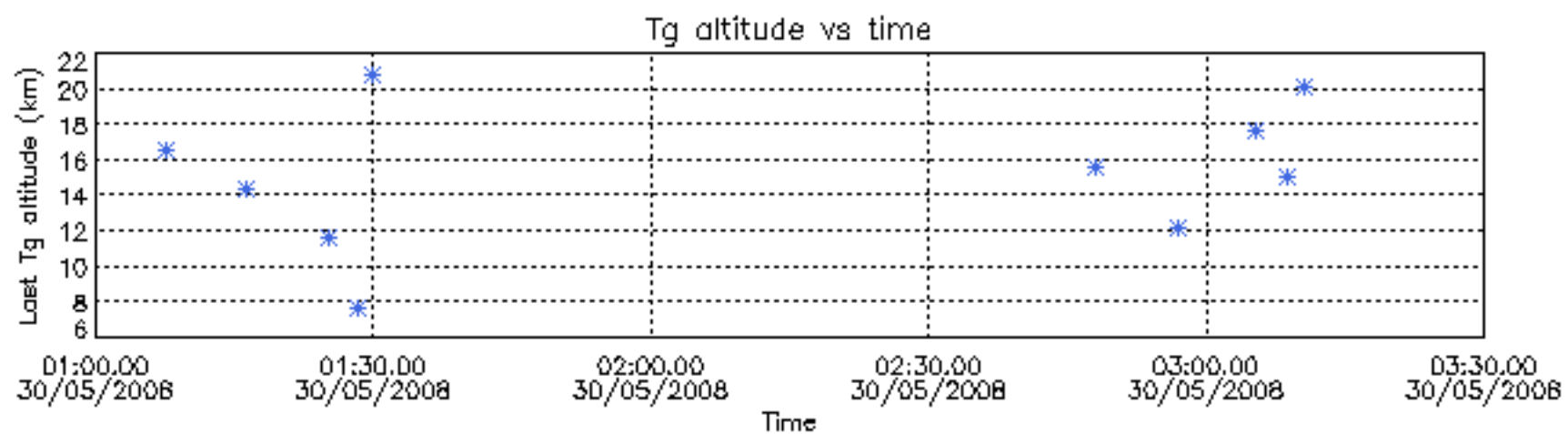
Percentage of star falling outside central band per profile



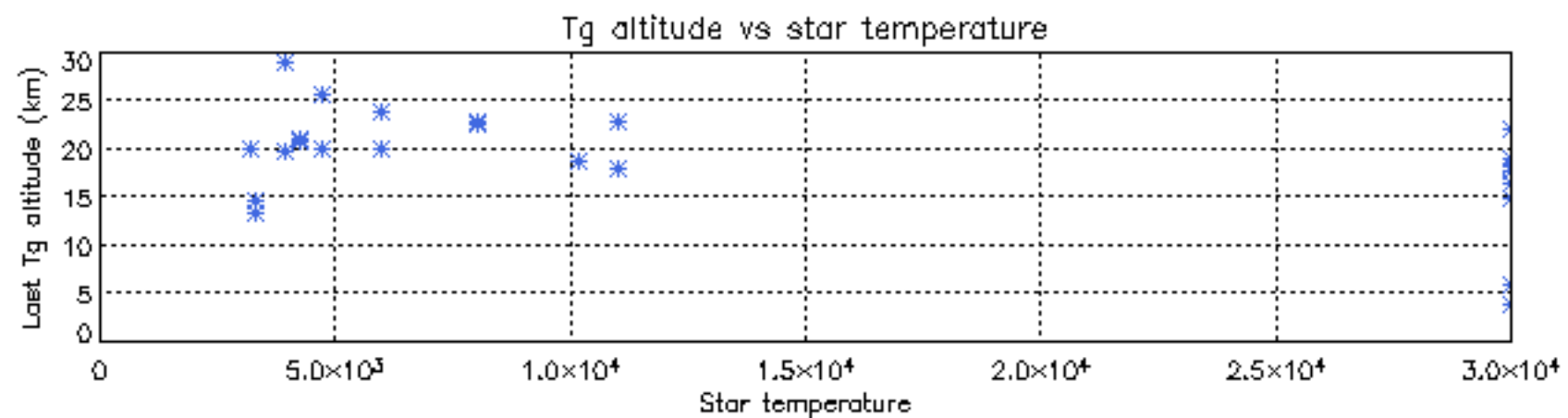
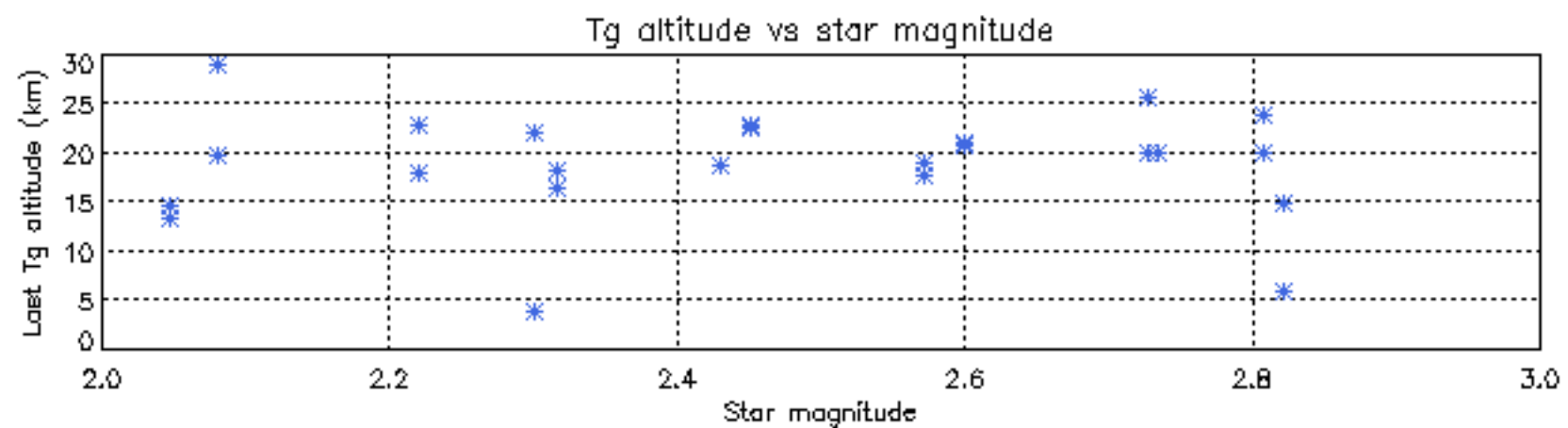
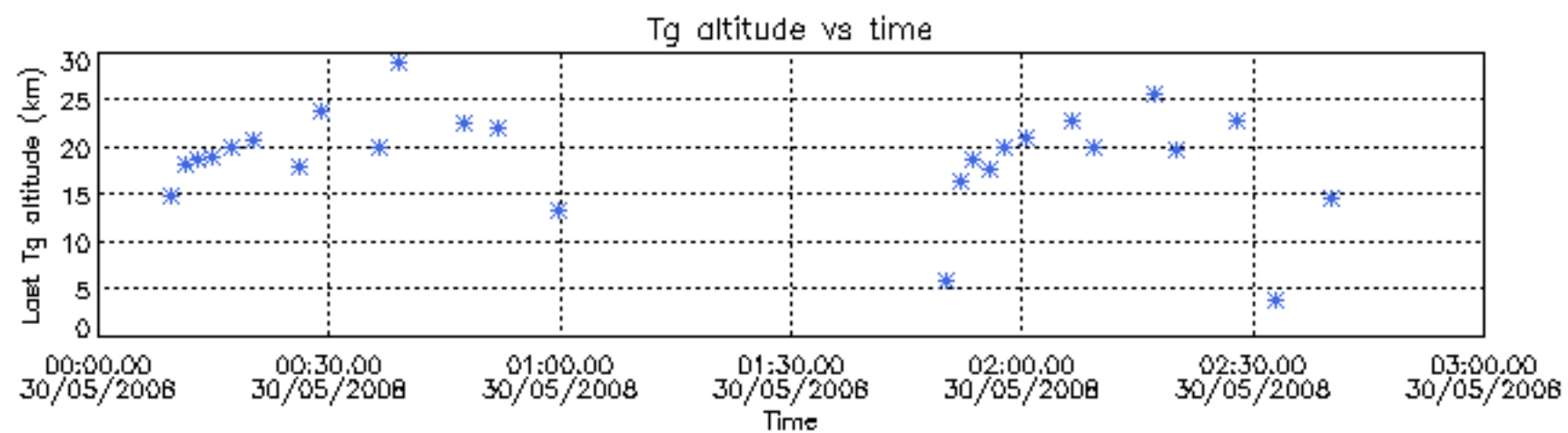
Percentage of saturation errors per profile

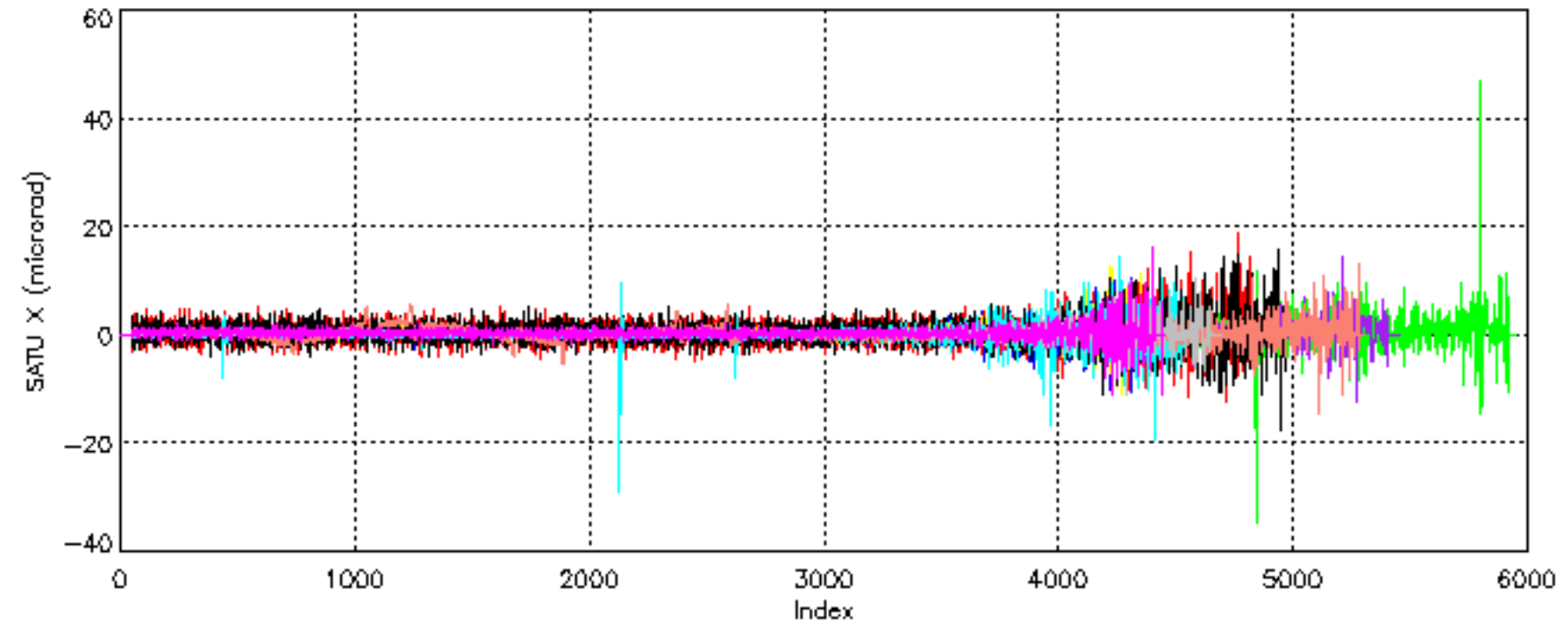


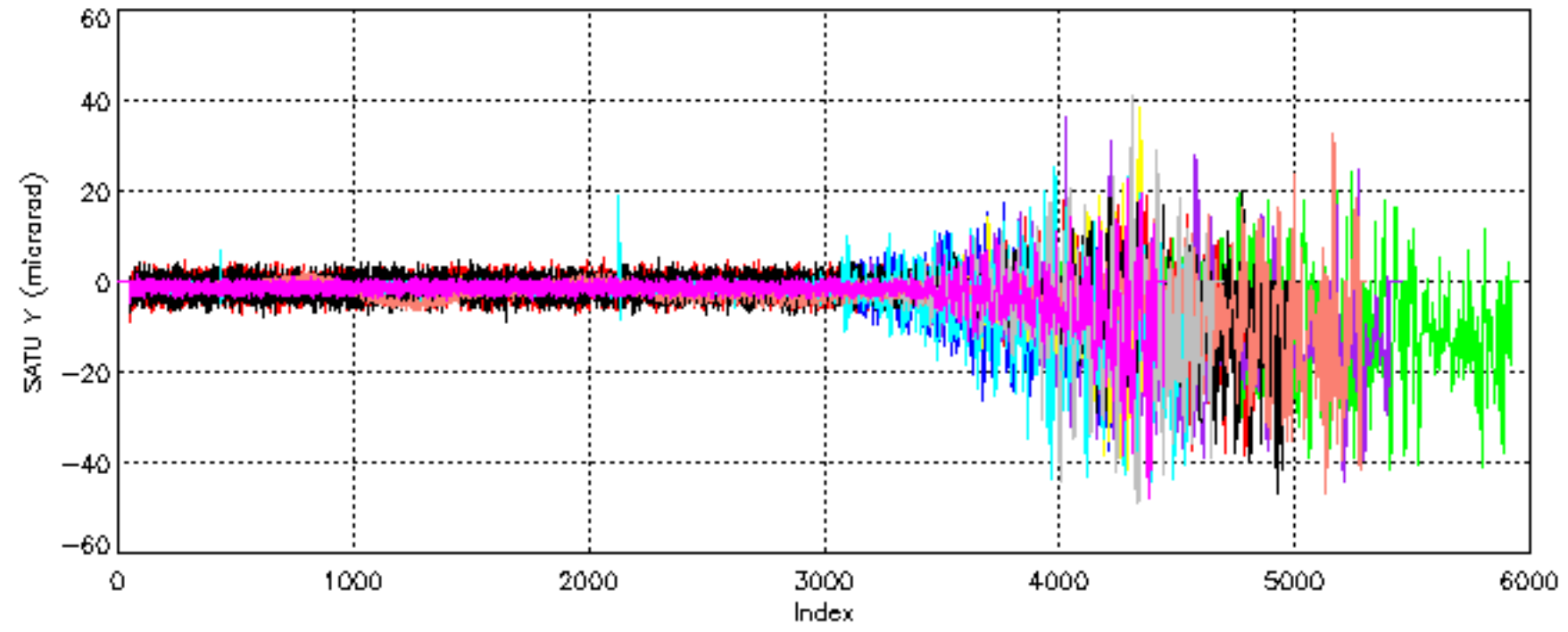
Tangent altitude at which the star is lost

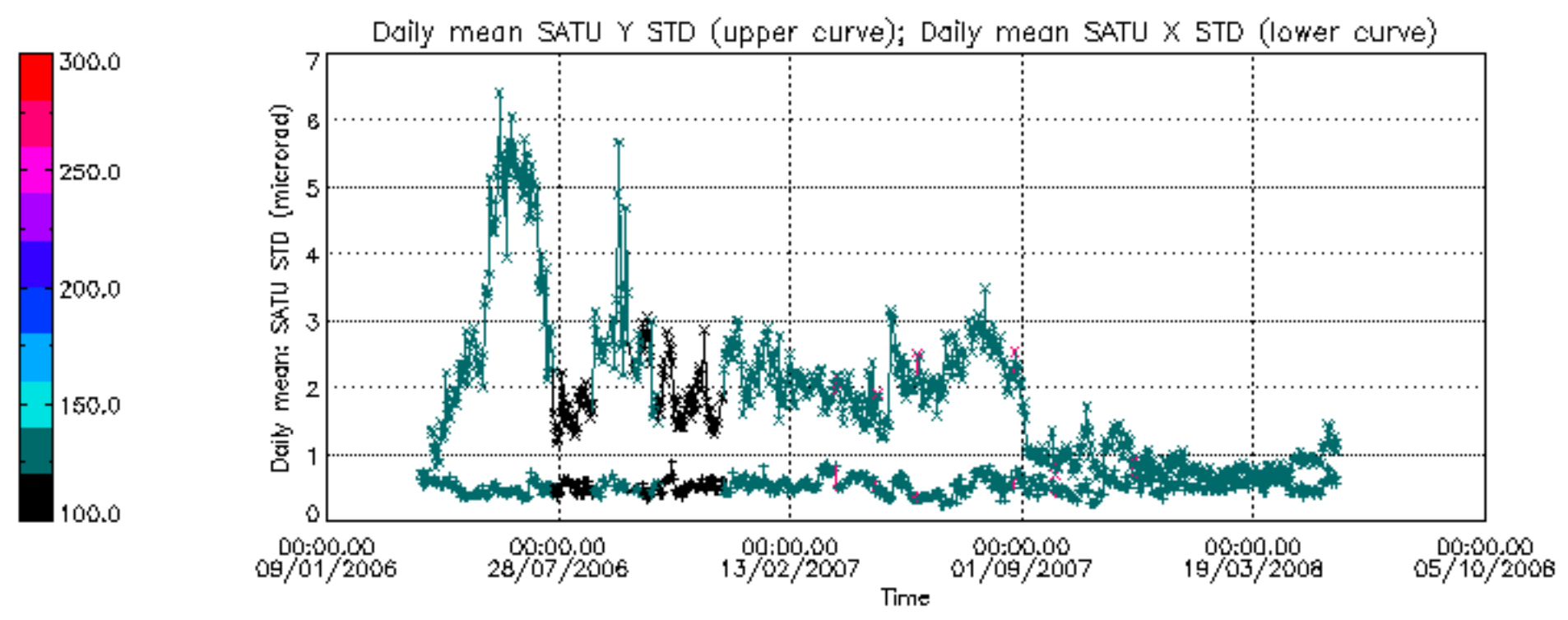


Tangent altitude at which the star is lost









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

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 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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 7; 579.7; 01-MAY-2008 03:28:11; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;32251
 8; 711.5; 01-MAY-2008 03:30:23; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32251
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 13; 1257.5; 01-MAY-2008 03:39:29; Dark ; 42.5; 54; 5The Cen ; 2.06; 4500;occ; 85; 0;32251
 14; 1514.0; 01-MAY-2008 03:43:45; Dark ; 44.5; 169; 46Gam Hya ; 2.99; 4700;occ; 89; 0;32251
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 22; 2919.2; 01-MAY-2008 04:07:10; Bright; 40.5; 82; 48Bet UMa ; 2.37; 10600;occ; 81; 0;32251
 23; 2997.7; 01-MAY-2008 04:08:29; Bright; 32.5; 36; 50Alp UMa ; 1.80; 6300;occ; 65; 0;32251
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 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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 11; 1000.4; 01-MAY-2008 05:15:48; Dark ; 38.0; 77; Eps Cen ; 2.30; 28000;occ; 76; 0;32252
 12; 1107.6; 01-MAY-2008 05:17:35; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;32252
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 16; 1898.0; 01-MAY-2008 05:30:45; Bright; 36.0; 121; 29Gam Vir ; 2.74; 7200;occ; 72; 0;32252
 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
24; 3444.9; 01-MAY-2008 05:56:32; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 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
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 5; 1108.7; 01-MAY-2008 20:22:59; Dark ; 39.5; 64; Gam Cen ; 2.20; 10600;occ; 79; 0;32261
 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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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
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 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
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11; 1002.3; 01-MAY-2008 22:01:49; Dark ; 37.5; 77; Eps Cen ; 2.30; 28000;occ; 75; 0;32262
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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22; 2922.2; 01-MAY-2008 22:33:49; Bright; 35.5; 82; 48Bet UMa ; 2.37; 10600;occ; 71; 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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 27; 4738.1; 09-MAY-2008 00:24:34; Dark ; 40.0; 140; 88Gam Peg ; 2.83; 26000;occ; 80; 0;32363
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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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 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
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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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 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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 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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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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9; 2573.3; 14-MAY-2008 20:38:48; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;32447
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6; 319.4; 14-MAY-2008 21:41:50; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32448
7; 644.4; 14-MAY-2008 21:47:15; Dark ; 38.5; 43; Alp TrA ; 1.91; 4250;occ; 77; 0;32448
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9; 878.4; 14-MAY-2008 21:51:09; Dark ; 49.5; 4; Alp1Cen ; -0.01; 5800;occ; 99; 0;32448
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9; 878.5; 14-MAY-2008 23:31:45; Dark ; 48.5; 4; Alp1Cen ; -0.01; 5800;occ; 97; 0;32449
10; 1092.7; 14-MAY-2008 23:35:19; Dark ; 39.0; 78; Alp Lup ; 2.30; 28000;occ; 78; 0;32449
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16; 2222.3; 14-MAY-2008 23:54:08; Bright; 35.0; 111; 8Eta Boo ; 2.68; 6000;occ; 70; 0;32449
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18; 6015.9; 14-MAY-2008 09:51:59; Dark ; 41.0; 31; Alp Gru ; 1.73; 15200;occ; 82; 0;32440
19; 6127.0; 14-MAY-2008 09:53:50; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;32440
20; 6350.4; 14-MAY-2008 09:57:33; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32440
21; 6678.3; 14-MAY-2008 10:03:01; Dark ; 37.0; 43; Alp TrA ; 1.91; 4250;occ; 74; 0;32440
22; 6809.3; 14-MAY-2008 10:05:12; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32440
23; 6913.0; 14-MAY-2008 10:06:56; Dark ; 48.0; 4; Alp1Cen ; -0.01; 5800;occ; 96; 0;32440
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25; 7217.5; 14-MAY-2008 10:12:00; Dark ; 37.5; 81; Eta Cen ; 2.36; 28000;occ; 75; 0;32440
26; 7333.5; 14-MAY-2008 10:13:56; Dark ; 38.5; 54; 5The Cen ; 2.06; 4500;occ; 77; 0;32440
27; 7649.7; 14-MAY-2008 10:19:12; Bright; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;32440

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 5; 2745.8; 14-MAY-2008 10:38:04; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;32441
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 8; 3185.7; 14-MAY-2008 10:45:24; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32441
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 10; 3937.7; 14-MAY-2008 10:57:56; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;32441
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 12; 4759.0; 14-MAY-2008 11:11:38; Dark ; 40.0; 140; 88Gam Peg ; 2.83; 26000;occ; 80; 0;32441
 13; 5282.8; 14-MAY-2008 11:20:21; Dark ; 42.0; 52; 16Bet Cet ; 2.04; 4500;occ; 84; 0;32441
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 18; 6127.5; 14-MAY-2008 11:34:26; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;32441
 19; 6351.1; 14-MAY-2008 11:38:10; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32441
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 21; 6809.5; 14-MAY-2008 11:45:48; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;32441
 22; 6913.1; 14-MAY-2008 11:47:32; Dark ; 44.0; 4; Alp1Cen ; -0.01; 5800;occ; 88; 0;32441
 23; 7127.1; 14-MAY-2008 11:51:06; Dark ; 37.0; 78; Alp Lup ; 2.30; 28000;occ; 74; 0;32441
 24; 7217.6; 14-MAY-2008 11:52:36; Dark ; 37.5; 81; Eta Cen ; 2.36; 28000;occ; 75; 0;32441
 25; 7333.6; 14-MAY-2008 11:54:32; Dark ; 41.0; 54; 5The Cen ; 2.06; 4500;occ; 82; 0;32441

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 3; 2125.4; 14-MAY-2008 12:08:20; Bright; 37.0; 138; 47Eps Vir ; 2.83; 4700;occ; 74; 0;32442
 4; 2222.1; 14-MAY-2008 12:09:57; Bright; 35.5; 111; 8Eta Boo ; 2.68; 6000;occ; 71; 0;32442
 5; 2574.1; 14-MAY-2008 12:15:49; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;32442
 6; 2745.8; 14-MAY-2008 12:18:40; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;32442
 7; 2841.1; 14-MAY-2008 12:20:16; Bright; 52.0; 55; 79Zet UMa ; 2.06; 10200;occ; 104; 0;32442
 8; 3054.8; 14-MAY-2008 12:23:49; Bright; 33.0; 36; 50Alp UMa ; 1.80; 6300;occ; 66; 0;32442
 9; 3185.6; 14-MAY-2008 12:26:00; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32442
 10; 3446.2; 14-MAY-2008 12:30:21; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32442
 11; 3937.7; 14-MAY-2008 12:38:32; Bright; 33.5; 76; 27Gam Cas ; 2.30; 30000;occ; 67; 0;32442
 12; 4011.5; 14-MAY-2008 12:39:46; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;32442
 13; 4759.3; 14-MAY-2008 12:52:14; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;32442
 14; 5283.1; 14-MAY-2008 13:00:58; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32442
 15; 5573.1; 14-MAY-2008 13:05:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32442
 16; 5691.8; 14-MAY-2008 13:07:46; Dark ; 42.0; 84; Alp Phe ; 2.40; 4500;occ; 84; 0;32442
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 18; 6017.4; 14-MAY-2008 13:13:12; Dark ; 35.0; 31; Alp Gru ; 1.73; 15200;occ; 70; 0;32442
 19; 6128.0; 14-MAY-2008 13:15:02; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;32442
 20; 6351.8; 14-MAY-2008 13:18:46; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32442
 21; 6678.9; 14-MAY-2008 13:24:13; Dark ; 41.5; 43; Alp TrA ; 1.91; 4250;occ; 83; 0;32442
 22; 6809.9; 14-MAY-2008 13:26:24; Dark ; 36.0; 134; Bet TrA ; 2.81; 6600;occ; 72; 0;32442
 23; 6913.4; 14-MAY-2008 13:28:08; Dark ; 43.5; 4; Alp1Cen ; -0.01; 5800;occ; 87; 0;32442
 24; 7127.4; 14-MAY-2008 13:31:42; Dark ; 39.0; 78; Alp Lup ; 2.30; 28000;occ; 78; 0;32442
 25; 7218.0; 14-MAY-2008 13:33:13; Dark ; 37.0; 81; Eta Cen ; 2.36; 28000;occ; 74; 0;32442
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 3; 2125.8; 14-MAY-2008 13:48:56; Bright; 35.0; 138; 47Eps Vir ; 2.83; 4700;occ; 70; 0;32443
 4; 2222.2; 14-MAY-2008 13:50:33; Bright; 34.0; 111; 8Eta Boo ; 2.68; 6000;occ; 68; 0;32443
 5; 2574.0; 14-MAY-2008 13:56:24; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;32443
 6; 2745.8; 14-MAY-2008 13:59:16; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;32443
 7; 2841.3; 14-MAY-2008 14:00:52; Bright; 35.0; 55; 79Zet UMa ; 2.06; 10200;occ; 70; 0;32443
 8; 3055.3; 14-MAY-2008 14:04:26; Bright; 33.0; 36; 50Alp UMa ; 1.80; 6300;occ; 66; 0;32443
 9; 3185.6; 14-MAY-2008 14:06:36; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32443
 10; 3446.2; 14-MAY-2008 14:10:57; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;32443
 11; 3937.8; 14-MAY-2008 14:19:08; Bright; 53.0; 76; 27Gam Cas ; 2.30; 30000;occ; 106; 0;32443
 12; 4011.6; 14-MAY-2008 14:20:22; Bright; 33.5; 68; 18Alp Cas ; 2.22; 4500;occ; 67; 0;32443
 13; 4760.0; 14-MAY-2008 14:32:50; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;32443
 14; 5283.5; 14-MAY-2008 14:41:34; Dark ; 42.0; 52; 16Bet Cet ; 2.04; 4500;occ; 84; 0;32443

15; 5573.3; 14-MAY-2008 14:46:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32443
 16; 5692.3; 14-MAY-2008 14:48:23; Dark ; 41.0; 84; Alp Phe ; 2.40; 4500;occ; 82; 0;32443
 17; 5931.3; 14-MAY-2008 14:52:22; Dark ; 57.0; 63; Bet Gru ; 2.15; 2800;occ; 114; 0;32443
 18; 6018.2; 14-MAY-2008 14:53:49; Dark ; 35.0; 31; Alp Gru ; 1.73; 15200;occ; 70; 0;32443
 19; 6128.5; 14-MAY-2008 14:55:39; Dark ; 40.0; 148; Alp Tuc ; 2.88; 4100;occ; 80; 0;32443
 20; 6352.5; 14-MAY-2008 14:59:23; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32443
 21; 6679.2; 14-MAY-2008 15:04:50; Dark ; 40.0; 43; Alp TrA ; 1.91; 4250;occ; 80; 0;32443
 22; 6810.2; 14-MAY-2008 15:07:01; Dark ; 36.5; 134; Bet TrA ; 2.81; 6600;occ; 73; 0;32443
 23; 6913.7; 14-MAY-2008 15:08:44; Dark ; 45.5; 4; Alp1Cen ; -0.01; 5800;occ; 91; 0;32443
 24; 7127.6; 14-MAY-2008 15:12:18; Dark ; 37.5; 78; Alp Lup ; 2.30; 28000;occ; 75; 0;32443
 25; 7218.2; 14-MAY-2008 15:13:49; Dark ; 36.5; 81; Eta Cen ; 2.36; 28000;occ; 73; 0;32443
 26; 7334.1; 14-MAY-2008 15:15:44; Dark ; 42.0; 54; 5The Cen ; 2.06; 4500;occ; 84; 0;32443

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

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 12; 3937.9; 14-MAY-2008 17:40:20; Bright; 53.0; 76; 27Gam Cas ; 2.30; 30000;occ; 106; 0;32445
 13; 4011.6; 14-MAY-2008 17:41:34; Bright; 34.0; 68; 18Alp Cas ; 2.22; 4500;occ; 68; 0;32445
 14; 4760.3; 14-MAY-2008 17:54:03; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;32445
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 22; 6679.9; 14-MAY-2008 18:26:02; Dark ; 42.5; 43; Alp TrA ; 1.91; 4250;occ; 85; 0;32445
 23; 6810.9; 14-MAY-2008 18:28:13; Dark ; 35.5; 134; Bet TrA ; 2.81; 6600;occ; 71; 0;32445
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 3; 1298.5; 14-MAY-2008 18:36:57; Dark ; 41.5; 54; 5The Cen ; 2.06; 4500;occ; 83; 0;32446
 4; 1614.7; 14-MAY-2008 18:42:13; Bright; 38.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 76; 0;32446

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7; 2222.2; 14-MAY-2008 18:52:21; Bright; 35.0; 111; 8Eta Boo ; 2.68; 6000;occ; 70; 0;32446
8; 2573.4; 14-MAY-2008 18:58:12; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;32446
9; 2745.8; 14-MAY-2008 19:01:04; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;32446
10; 2841.3; 14-MAY-2008 19:02:40; Bright; 40.0; 55; 79Zet UMa ; 2.06; 10200;occ; 80; 0;32446
11; 3185.1; 14-MAY-2008 19:08:23; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;32446
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14; 4011.5; 14-MAY-2008 19:22:10; Bright; 34.5; 68; 18Alp Cas ; 2.22; 4500;occ; 69; 0;32446
15; 4760.5; 14-MAY-2008 19:34:39; Dark ; 41.5; 140; 88Gam Peg ; 2.83; 26000;occ; 83; 0;32446
16; 5284.4; 14-MAY-2008 19:43:23; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32446
17; 5574.0; 14-MAY-2008 19:48:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32446
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19; 5933.2; 14-MAY-2008 19:54:12; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;32446
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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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 22; 6814.8; 15-MAY-2008 19:37:16; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32460
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 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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9; 881.2; 16-MAY-2008 02:21:22; Dark ; 47.5; 4; Alp1Cen ; -0.01; 5800;occ; 95; 0;32465
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9; 883.3; 16-MAY-2008 22:28:35; Dark ; 50.0; 4; Alp1Cen ; -0.01; 5800;occ; 100; 0;32477
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 4; 2569.7; 16-MAY-2008 07:51:18; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;32468
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 6; 2842.5; 16-MAY-2008 07:55:51; Bright; 35.5; 55; 79Zet UMa ; 2.06; 10200;occ; 71; 0;32468
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16; 6370.8; 16-MAY-2008 10:35:15; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32469
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 3; 2223.6; 16-MAY-2008 11:06:44; Bright; 36.0; 111; 8Eta Boo ; 2.68; 6000;occ; 72; 0;32470
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 2; 1618.1; 16-MAY-2008 15:58:26; Bright; 37.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 75; 0;32473
 3; 1748.1; 16-MAY-2008 16:00:36; Bright; 38.0; 15; 67Alp Vir ; 0.98; 28000;occ; 76; 0;32473
 4; 2133.3; 16-MAY-2008 16:07:02; Bright; 35.0; 138; 47Eps Vir ; 2.83; 4700;occ; 70; 0;32473
 5; 2223.8; 16-MAY-2008 16:08:32; Bright; 34.5; 111; 8Eta Boo ; 2.68; 6000;occ; 69; 0;32473
 6; 2569.0; 16-MAY-2008 16:14:17; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;32473
 7; 2745.6; 16-MAY-2008 16:17:14; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;32473

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9; 3181.7; 16-MAY-2008 16:24:30; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32473
10; 3446.3; 16-MAY-2008 16:28:55; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32473
11; 3938.4; 16-MAY-2008 16:37:07; Bright; 33.0; 76; 27Gam Cas ; 2.30; 30000;occ; 66; 0;32473
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13; 5293.0; 16-MAY-2008 16:59:41; Dark ; 43.0; 52; 16Bet Cet ; 2.04; 4500;occ; 86; 0;32473
14; 5579.7; 16-MAY-2008 17:04:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32473
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3; 769.2; 17-MAY-2008 03:28:29; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32480
4; 949.6; 17-MAY-2008 03:31:29; Dark ; 49.5; 178; Iot1Sco ; 3.02; 6550;occ; 99; 0;32480
5; 1040.4; 17-MAY-2008 03:33:00; Dark ; 49.0; 115; 34Ups Sco ; 2.70; 26000;occ; 98; 0;32480
6; 1174.3; 17-MAY-2008 03:35:14; Dark ; 53.0; 75; 26Eps Sco ; 2.29; 4250;occ; 106; 0;32480
7; 1357.1; 17-MAY-2008 03:38:17; Dark ; 55.5; 16; 21Alp Sco ; 1.02; 3000;occ; 111; 0;32480
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9; 1619.0; 17-MAY-2008 03:42:39; Bright; 37.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 74; 0;32480
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11; 2042.1; 17-MAY-2008 03:49:42; Bright; 42.5; 102; 24Alp Ser ; 2.60; 4250;occ; 85; 0;32480
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13; 2379.5; 17-MAY-2008 03:55:19; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;32480
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15; 2745.6; 17-MAY-2008 04:01:25; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;32480
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14; 1174.7; 17-MAY-2008 05:15:50; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;32481
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21; 2379.3; 17-MAY-2008 05:35:55; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;32481
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23; 2745.7; 17-MAY-2008 05:42:01; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;32481
24; 3082.2; 17-MAY-2008 05:47:38; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32481
25; 3180.9; 17-MAY-2008 05:49:17; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32481
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6; 1620.2; 17-MAY-2008 20:28:40; Bright; 37.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 75; 0;32490
7; 1729.2; 17-MAY-2008 20:30:29; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;32490
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9; 2234.4; 17-MAY-2008 20:38:54; Bright; 35.5; 3; 16Alp Boo ;-0.05; 4250;occ; 71; 0;32490
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13; 3078.1; 17-MAY-2008 20:52:57; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;32490
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17; 4011.5; 17-MAY-2008 21:08:31; Bright; 52.5; 68; 18Alp Cas ; 2.22; 4500;occ; 105; 0;32490
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8; 774.6; 17-MAY-2008 21:55:10; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;32491
9; 932.4; 17-MAY-2008 21:57:48; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;32491
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11; 1179.0; 17-MAY-2008 22:01:54; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;32491
12; 1360.4; 17-MAY-2008 22:04:56; Dark ; 62.0; 16; 21Alp Sco ; 1.02; 3000;occ; 124; 0;32491
13; 1512.8; 17-MAY-2008 22:07:28; Bright; 43.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 87; 0;32491
14; 1620.4; 17-MAY-2008 22:09:16; Bright; 36.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 73; 0;32491
15; 1729.3; 17-MAY-2008 22:11:04; Bright; 39.0; 104; 27Bet Lib ; 2.61; 13100;occ; 78; 0;32491
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22; 3179.6; 17-MAY-2008 22:35:15; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32491
23; 3446.3; 17-MAY-2008 22:39:41; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32491
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27; 4774.0; 17-MAY-2008 23:01:49; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;32491
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6; 115.8; 17-MAY-2008 23:24:47; Dark ; 38.5; 148; Alp Tuc ; 2.88; 4100;occ; 77; 0;32492
7; 350.3; 17-MAY-2008 23:28:41; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32492
8; 775.0; 17-MAY-2008 23:35:46; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32492
9; 933.0; 17-MAY-2008 23:38:24; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;32492
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16; 2039.0; 17-MAY-2008 23:56:50; Bright; 42.0; 102; 24Alp Ser ; 2.60; 4250;occ; 84; 0;32492
17; 2234.5; 18-MAY-2008 00:00:06; Bright; 35.0; 3; 16Alp Boo ;-0.05; 4250;occ; 70; 0;32492
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19; 2566.4; 18-MAY-2008 00:05:37; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;32492
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22; 3179.5; 18-MAY-2008 00:15:51; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32492
23; 3446.3; 18-MAY-2008 00:20:17; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32492
24; 3938.3; 18-MAY-2008 00:28:29; Bright; 46.0; 76; 27Gam Cas ; 2.30; 30000;occ; 92; 0;32492
25; 4011.5; 18-MAY-2008 00:29:43; Bright; 45.0; 68; 18Alp Cas ; 2.22; 4500;occ; 90; 0;32492
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27; 4774.4; 18-MAY-2008 00:42:25; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;32492
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9; 110.9; 17-MAY-2008 06:38:43; Dark ; 41.5; 148; Alp Tuc ; 2.88; 4100;occ; 83; 0;32482
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 26; 7078.4; 17-MAY-2008 16:57:50; Dark ; 38.0; 25; 35Lam Sco ; 1.62; 28000;occ; 76; 0;32487
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 23; 6150.4; 17-MAY-2008 18:22:58; Dark ; 38.5; 148; Alp Tuc ; 2.88; 4100;occ; 77; 0;32488
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 2; 2034.6; 19-MAY-2008 09:28:44; Bright; 41.5; 102; 24Alp Ser ; 2.60; 4250;occ; 83; 0;32512
 3; 2234.9; 19-MAY-2008 09:32:05; Bright; 37.5; 3; 16Alp Boo ; -0.05; 4250;occ; 75; 0;32512
 4; 2375.0; 19-MAY-2008 09:34:25; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;32512
 5; 2564.1; 19-MAY-2008 09:37:34; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;32512
 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
10; 3938.2; 19-MAY-2008 10:00:28; Bright; 53.0; 76; 27Gam Cas ; 2.30; 30000;occ; 106; 0;32512
11; 4011.1; 19-MAY-2008 10:01:41; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;32512
12; 4523.7; 19-MAY-2008 10:10:13; Dark ; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;32512
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
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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
24; 7402.6; 19-MAY-2008 10:58:12; Dark ; 57.0; 16; 21Alp Sco ; 1.02; 3000;occ; 114; 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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 4; 2235.0; 19-MAY-2008 12:53:16; Bright; 35.0; 3; 16Alp Boo ; -0.05; 4250;occ; 70; 0;32514
 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
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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
 4; 2034.1; 19-MAY-2008 14:30:31; Bright; 41.0; 102; 24Alp Ser ; 2.60; 4250;occ; 82; 0;32515
 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
 10; 3177.3; 19-MAY-2008 14:49:35; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32515
 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
9; 2746.5; 19-MAY-2008 16:23:00; Bright; 34.5; 39; 85Eta UMa ; 1.85; 24000;occ; 69; 0;32516
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12; 3446.6; 19-MAY-2008 16:34:40; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32516
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14; 4011.1; 19-MAY-2008 16:44:04; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;32516
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17; 5729.5; 19-MAY-2008 17:12:43; Dark ; 59.0; 18; 24Alp PsA ; 1.17; 9700;occ; 118; 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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21; 6404.0; 19-MAY-2008 17:23:57; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32516
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
7; 1730.8; 19-MAY-2008 17:46:40; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;32517
8; 2033.7; 19-MAY-2008 17:51:43; Bright; 41.0; 102; 24Alp Ser ; 2.60; 4250;occ; 82; 0;32517
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4; 53.7; 20-MAY-2008 23:29:30; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;32535
5; 380.7; 20-MAY-2008 23:34:57; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32535
6; 795.5; 20-MAY-2008 23:41:52; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;32535
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8; 1069.8; 20-MAY-2008 23:46:26; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;32535
9; 1197.4; 20-MAY-2008 23:48:33; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;32535
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13; 1732.0; 20-MAY-2008 23:57:28; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;32535
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15; 2235.9; 21-MAY-2008 00:05:52; Bright; 34.5; 3; 16Alp Boo ; -0.05; 4250;occ; 69; 0;32535
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3; 2373.6; 20-MAY-2008 09:02:46; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32526
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5; 2747.0; 20-MAY-2008 09:09:00; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;32526
6; 3062.5; 20-MAY-2008 09:14:15; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;32526
7; 3176.1; 20-MAY-2008 09:16:09; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;32526
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17; 6827.7; 20-MAY-2008 10:17:00; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;32526
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19; 7101.3; 20-MAY-2008 10:21:34; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;32526
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4; 2373.4; 20-MAY-2008 10:43:22; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;32527
5; 2562.8; 20-MAY-2008 10:46:31; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;32527
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13; 4785.9; 20-MAY-2008 11:23:35; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;32527
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5; 2373.3; 20-MAY-2008 12:23:58; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;32528
6; 2562.7; 20-MAY-2008 12:27:07; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;32528
7; 2747.2; 20-MAY-2008 12:30:12; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;32528
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22; 6991.1; 20-MAY-2008 13:40:56; Dark ; 51.0; 40; The Sco ; 1.86; 7100;occ; 102; 0;32528
23; 7102.4; 20-MAY-2008 13:42:47; Dark ; 54.0; 25; 35Lam Sco ; 1.62; 28000;occ; 108; 0;32528
24; 7230.9; 20-MAY-2008 13:44:55; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;32528
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4; 2031.3; 20-MAY-2008 13:58:52; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;32529
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6; 2373.3; 20-MAY-2008 14:04:34; Bright; 35.0; 83; ; 2.38; 11000;occ; 70; 0;32529
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13; 4010.9; 20-MAY-2008 14:31:51; Bright; 42.0; 68; 18Alp Cas ; 2.22; 4500;occ; 84; 0;32529

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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
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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
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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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 17; 2236.6; 21-MAY-2008 21:53:40; Bright; 37.5; 3; 16Alp Boo ;-0.05; 4250;occ; 75; 0;32548
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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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 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
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 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
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 9; 3446.7; 21-MAY-2008 13:50:50; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 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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 18; 6184.0; 22-MAY-2008 09:03:03; Dark ; 38.5; 148; Alp Tuc ; 2.88; 4100;occ; 77; 0;32554
 19; 6430.9; 22-MAY-2008 09:07:10; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32554
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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
 11; 4009.8; 22-MAY-2008 10:07:24; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;32555
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 17; 6095.1; 22-MAY-2008 10:42:10; Dark ; 46.0; 172; Gam Gru ; 3.00; 13100;occ; 92; 0;32555
 18; 6184.5; 22-MAY-2008 10:43:39; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 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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 3; 2026.6; 22-MAY-2008 11:14:57; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32556
 4; 2237.3; 22-MAY-2008 11:18:28; Bright; 46.0; 3; 16Alp Boo ; -0.05; 4250;occ; 92; 0;32556
 5; 2371.0; 22-MAY-2008 11:20:42; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32556
 6; 2560.9; 22-MAY-2008 11:23:51; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;32556
 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
 10; 3937.3; 22-MAY-2008 11:46:48; Bright; 34.0; 76; 27Gam Cas ; 2.30; 30000;occ; 68; 0;32556
 11; 4009.7; 22-MAY-2008 11:48:00; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;32556
 12; 4531.2; 22-MAY-2008 11:56:42; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 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
 19; 6432.2; 22-MAY-2008 12:28:23; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 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
 22; 7117.9; 22-MAY-2008 12:39:48; Dark ; 46.5; 25; 35Lam Sco ; 1.62; 28000;occ; 93; 0;32556
 23; 7241.9; 22-MAY-2008 12:41:52; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;32556
 24; 7414.5; 22-MAY-2008 12:44:45; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;32556
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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
8; 1841.1; 22-MAY-2008 21:15:27; Bright; 44.0; 120; 1Del Oph ; 2.73; 3200;occ; 88; 0;32562
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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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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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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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3; -22.4; 23-MAY-2008 00:05:36; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;32563
4; 68.7; 23-MAY-2008 00:07:07; Dark ; 31.0; 172; Gam Gru ; 3.00; 13100;occ; 62; 0;32564
5; 152.6; 23-MAY-2008 00:08:31; Dark ; 41.5; 148; Alp Tuc ; 2.88; 4100;occ; 83; 0;32564
6; 401.1; 23-MAY-2008 00:12:39; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32564
7; 808.6; 23-MAY-2008 00:19:27; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;32564
8; 974.7; 23-MAY-2008 00:22:13; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;32564
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
11; 1380.4; 23-MAY-2008 00:28:58; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32564
12; 1524.5; 23-MAY-2008 00:31:22; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;32564
13; 1630.6; 23-MAY-2008 00:33:09; Bright; 35.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 70; 0;32564
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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
22; 3937.1; 23-MAY-2008 01:11:35; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;32564

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 3; 1734.0; 22-MAY-2008 14:31:16; Bright; 36.0; 104; 27Bet Lib ; 2.61; 13100;occ; 72; 0;32558
 4; 1841.7; 22-MAY-2008 14:33:04; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;32558
 5; 2026.5; 22-MAY-2008 14:36:09; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32558
 6; 2370.9; 22-MAY-2008 14:41:53; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32558
 7; 2560.8; 22-MAY-2008 14:45:03; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;32558
 8; 3049.6; 22-MAY-2008 14:53:12; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32558
 9; 3173.3; 22-MAY-2008 14:55:16; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32558
10; 3446.8; 22-MAY-2008 14:59:49; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32558
11; 3937.5; 22-MAY-2008 15:08:00; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32558
12; 4009.7; 22-MAY-2008 15:09:12; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;32558
13; 4531.9; 22-MAY-2008 15:17:54; Dark ; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;32558
14; 4797.1; 22-MAY-2008 15:22:19; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;32558
15; 5325.3; 22-MAY-2008 15:31:08; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32558
16; 5847.3; 22-MAY-2008 15:39:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32558
17; 6009.9; 22-MAY-2008 15:42:32; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;32558
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19; 6186.2; 22-MAY-2008 15:45:29; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;32558
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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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23; 7119.0; 22-MAY-2008 16:01:01; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;32558
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 3; 1630.0; 22-MAY-2008 16:10:08; Bright; 36.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 73; 0;32559
 4; 1734.0; 22-MAY-2008 16:11:52; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32559
 5; 1841.4; 22-MAY-2008 16:13:40; Bright; 45.5; 120; 1Del Oph ; 2.73; 3200;occ; 91; 0;32559
 6; 2026.3; 22-MAY-2008 16:16:45; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32559
 7; 2370.8; 22-MAY-2008 16:22:29; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;32559
 8; 2560.8; 22-MAY-2008 16:25:39; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;32559
 9; 3049.2; 22-MAY-2008 16:33:47; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32559
10; 3173.2; 22-MAY-2008 16:35:51; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32559
11; 3446.8; 22-MAY-2008 16:40:25; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32559

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 14; 4532.0; 22-MAY-2008 16:58:30; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;32559
 15; 4797.3; 22-MAY-2008 17:02:56; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;32559
 16; 5325.6; 22-MAY-2008 17:11:44; Dark ; 46.5; 52; 16Bet Cet ; 2.04; 4500;occ; 93; 0;32559
 17; 5847.8; 22-MAY-2008 17:20:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32559
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 19; 6099.9; 22-MAY-2008 17:24:38; Dark ; 39.0; 172; Gam Gru ; 3.00; 13100;occ; 78; 0;32559
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 21; 6434.5; 22-MAY-2008 17:30:13; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32559
 22; 6843.0; 22-MAY-2008 17:37:01; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;32559
 23; 7008.7; 22-MAY-2008 17:39:47; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;32559

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 3; 1207.1; 22-MAY-2008 17:43:41; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;32560
 4; 1379.5; 22-MAY-2008 17:46:34; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32560
 5; 1524.0; 22-MAY-2008 17:48:58; Bright; 43.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 87; 0;32560
 6; 1629.9; 22-MAY-2008 17:50:44; Bright; 37.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 74; 0;32560
 7; 1734.1; 22-MAY-2008 17:52:28; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32560
 8; 1841.3; 22-MAY-2008 17:54:16; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;32560
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 10; 2370.8; 22-MAY-2008 18:03:05; Bright; 34.5; 83; ; 2.38; 11000;occ; 69; 0;32560
 11; 2560.6; 22-MAY-2008 18:06:15; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;32560
 12; 3048.8; 22-MAY-2008 18:14:23; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32560
 13; 3173.1; 22-MAY-2008 18:16:27; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32560
 14; 3446.8; 22-MAY-2008 18:21:01; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32560
 15; 3937.4; 22-MAY-2008 18:29:12; Bright; 45.0; 76; 27Gam Cas ; 2.30; 30000;occ; 90; 0;32560
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 18; 4797.6; 22-MAY-2008 18:43:32; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;32560
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 22; 6101.1; 22-MAY-2008 19:05:15; Dark ; 35.0; 172; Gam Gru ; 3.00; 13100;occ; 70; 0;32560
 23; 6187.2; 22-MAY-2008 19:06:41; Dark ; 40.5; 148; Alp Tuc ; 2.88; 4100;occ; 81; 0;32560
 24; 6435.1; 22-MAY-2008 19:10:49; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32560
 25; 6843.4; 22-MAY-2008 19:17:38; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;32560
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 3; 1207.5; 22-MAY-2008 19:24:18; Dark ; 50.5; 75; 26Eps Sco ; 2.29; 4250;occ; 101; 0;32561
 4; 1379.7; 22-MAY-2008 19:27:10; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32561
 5; 1524.1; 22-MAY-2008 19:29:34; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;32561
 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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 9; 2026.0; 22-MAY-2008 19:37:56; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32561
 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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 18; 4797.8; 22-MAY-2008 20:24:08; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;32561
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 22; 6102.2; 22-MAY-2008 20:45:52; Dark ; 35.0; 172; Gam Gru ; 3.00; 13100;occ; 70; 0;32561
 23; 6187.7; 22-MAY-2008 20:47:18; Dark ; 38.0; 148; Alp Tuc ; 2.88; 4100;occ; 76; 0;32561
 24; 6435.7; 22-MAY-2008 20:51:26; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32561
 25; 6843.8; 22-MAY-2008 20:58:14; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;32561

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4; 69.8; 23-MAY-2008 01:47:44; Dark ; 27.0; 172; Gam Gru ; 3.00; 13100;occ; 54; 0;32565
5; 153.3; 23-MAY-2008 01:49:07; Dark ; 40.5; 148; Alp Tuc ; 2.88; 4100;occ; 81; 0;32565
6; 401.9; 23-MAY-2008 01:53:16; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32565
7; 809.1; 23-MAY-2008 02:00:03; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;32565
8; 975.3; 23-MAY-2008 02:02:49; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;32565
9; 1086.0; 23-MAY-2008 02:04:40; Dark ; 47.5; 25; 35Lam Sco ; 1.62; 28000;occ; 95; 0;32565
10; 1208.9; 23-MAY-2008 02:06:43; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;32565
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12; 1524.7; 23-MAY-2008 02:11:59; Bright; 42.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 85; 0;32565
13; 1630.8; 23-MAY-2008 02:13:45; Bright; 36.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 73; 0;32565
14; 1734.4; 23-MAY-2008 02:15:28; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32565
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19; 3046.8; 23-MAY-2008 02:37:21; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32565
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3;-1655.1; 23-MAY-2008 02:59:35; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;32565
4;-1503.0; 23-MAY-2008 03:02:07; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;32565
5;-1236.5; 23-MAY-2008 03:06:33; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;32565
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11; 402.7; 23-MAY-2008 03:33:52; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32566
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13; 976.0; 23-MAY-2008 03:43:26; Dark ; 46.0; 40; The Sco ; 1.86; 7100;occ; 92; 0;32566
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14; 1209.7; 23-MAY-2008 05:27:56; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;32567
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16; 1525.1; 23-MAY-2008 05:33:11; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;32567
17; 1631.3; 23-MAY-2008 05:34:57; Bright; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;32567
18; 1734.7; 23-MAY-2008 05:36:40; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;32567
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
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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
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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
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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
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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
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19; 3042.3; 23-MAY-2008 22:44:27; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32577
20; 3171.8; 23-MAY-2008 22:46:37; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;32577
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22; 3936.7; 23-MAY-2008 22:59:22; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;32577
23; 4008.6; 23-MAY-2008 23:00:34; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;32577
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26; 4803.9; 23-MAY-2008 23:13:49; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32577
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3; -178.3; 23-MAY-2008 23:31:23; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32577
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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
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 25; 4804.2; 24-MAY-2008 00:54:25; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32578
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 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
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 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
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 16; 1525.2; 23-MAY-2008 07:13:47; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;32568
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 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
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 11; 4381.2; 23-MAY-2008 08:01:23; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;32568
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 13; 4800.6; 23-MAY-2008 08:08:22; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32568
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 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
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 26; 7667.4; 23-MAY-2008 08:56:09; Bright; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;32568
 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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 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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 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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 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
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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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9; 3043.8; 23-MAY-2008 16:02:05; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 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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16; 4382.1; 23-MAY-2008 18:04:59; Bright; 54.0; 53; 43Bet And ; 2.05; 3300;occ; 108; 0;32574
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23; 3040.8; 24-MAY-2008 05:26:50; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32581
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2; -169.9; 25-MAY-2008 00:40:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32592
3; -0.5; 25-MAY-2008 00:43:19; Dark ; 57.0; 63; Bet Gru ; 2.15; 2800;occ; 114; 0;32592
4; 103.0; 25-MAY-2008 00:45:03; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;32593
5; 421.6; 25-MAY-2008 00:50:21; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32593
6; 821.3; 25-MAY-2008 00:57:01; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;32593
7; 990.2; 25-MAY-2008 00:59:50; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;32593
8; 1100.5; 25-MAY-2008 01:01:40; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;32593
9; 1219.2; 25-MAY-2008 01:03:39; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;32593
10; 1387.7; 25-MAY-2008 01:06:28; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;32593
11; 1529.2; 25-MAY-2008 01:08:49; Bright; 39.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 79; 0;32593
12; 1736.9; 25-MAY-2008 01:12:17; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32593
13; 1838.2; 25-MAY-2008 01:13:58; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;32593
14; 2021.4; 25-MAY-2008 01:17:01; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32593
15; 2369.2; 25-MAY-2008 01:22:49; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;32593
16; 3036.2; 25-MAY-2008 01:33:56; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32593
17; 3170.5; 25-MAY-2008 01:36:10; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;32593
18; 3683.1; 25-MAY-2008 01:44:43; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;32593
19; 3935.9; 25-MAY-2008 01:48:56; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;32593
20; 4007.7; 25-MAY-2008 01:50:08; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;32593
21; 4384.1; 25-MAY-2008 01:56:24; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;32593
22; 4537.8; 25-MAY-2008 01:58:58; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;32593
23; 4810.0; 25-MAY-2008 02:03:30; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;32593

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4; 103.9; 25-MAY-2008 02:25:40; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;32594
5; 422.3; 25-MAY-2008 02:30:58; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32594
6; 821.8; 25-MAY-2008 02:37:37; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32594
7; 990.8; 25-MAY-2008 02:40:27; Dark ; 52.0; 40; The Sco ; 1.86; 7100;occ; 104; 0;32594
8; 1101.0; 25-MAY-2008 02:42:17; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;32594
9; 1219.6; 25-MAY-2008 02:44:15; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;32594
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11; 1529.4; 25-MAY-2008 02:49:25; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;32594
12; 1737.0; 25-MAY-2008 02:52:53; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;32594
13; 1838.2; 25-MAY-2008 02:54:34; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;32594
14; 2021.4; 25-MAY-2008 02:57:37; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;32594
15; 2369.2; 25-MAY-2008 03:03:25; Bright; 35.0; 83; ; 2.38; 11000;occ; 70; 0;32594
16; 3035.8; 25-MAY-2008 03:14:32; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32594
17; 3170.5; 25-MAY-2008 03:16:46; Bright; 33.0; 60; 7Bet UMi ; 2.08; 3950;occ; 66; 0;32594
18; 3682.6; 25-MAY-2008 03:25:18; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;32594
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2; -2028.3; 25-MAY-2008 03:30:43; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;32594
3; -1651.7; 25-MAY-2008 03:37:00; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;32594
4; -1497.9; 25-MAY-2008 03:39:34; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;32594
5; -1225.5; 25-MAY-2008 03:44:06; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;32594
6; -694.6; 25-MAY-2008 03:52:57; Dark ; 45.5; 52; 16Bet Cet ; 2.04; 4500;occ; 91; 0;32594
7; -168.8; 25-MAY-2008 04:01:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32594
8; 1.2; 25-MAY-2008 04:04:33; Dark ; 59.5; 63; Bet Gru ; 2.15; 2800;occ; 119; 0;32595
9; 104.9; 25-MAY-2008 04:06:17; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;32595
10; 423.1; 25-MAY-2008 04:11:35; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32595
11; 822.3; 25-MAY-2008 04:18:14; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;32595
12; 991.5; 25-MAY-2008 04:21:03; Dark ; 47.0; 40; The Sco ; 1.86; 7100;occ; 94; 0;32595
13; 1101.6; 25-MAY-2008 04:22:53; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;32595
14; 1220.0; 25-MAY-2008 04:24:52; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;32595
15; 1388.4; 25-MAY-2008 04:27:40; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;32595
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17; 1737.2; 25-MAY-2008 04:33:29; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;32595
18; 1838.1; 25-MAY-2008 04:35:10; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;32595
19; 2021.5; 25-MAY-2008 04:38:13; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32595
20; 2369.4; 25-MAY-2008 04:44:01; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32595
21; 3035.6; 25-MAY-2008 04:55:07; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32595
22; 3170.6; 25-MAY-2008 04:57:22; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32595
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2; 1106.5; 25-MAY-2008 21:08:58; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;32605
3; 1223.4; 25-MAY-2008 21:10:55; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;32605
4; 1351.5; 25-MAY-2008 21:13:03; Dark ; 43.5; 136; 23Tau Sco ; 2.82; 30000;occ; 87; 0;32605
5; 1531.0; 25-MAY-2008 21:16:02; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;32605
6; 1738.0; 25-MAY-2008 21:19:29; Bright; 36.5; 104; 27Bet Lib ; 2.61; 13100;occ; 73; 0;32605
7; 1837.4; 25-MAY-2008 21:21:09; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;32605
8; 2020.3; 25-MAY-2008 21:24:11; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;32605
9; 2369.1; 25-MAY-2008 21:30:00; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;32605
10; 3031.9; 25-MAY-2008 21:41:03; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32605
11; 3169.8; 25-MAY-2008 21:43:21; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;32605
12; 3676.5; 25-MAY-2008 21:51:48; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;32605
13; 3935.3; 25-MAY-2008 21:56:06; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32605
14; 4006.9; 25-MAY-2008 21:57:18; Bright; 56.0; 68; 18Alp Cas ; 2.22; 4500;occ; 112; 0;32605
15; 4385.4; 25-MAY-2008 22:03:37; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;32605
16; 4539.9; 25-MAY-2008 22:06:11; Dark ; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;32605
17; 4814.9; 25-MAY-2008 22:10:46; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;32605
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3; 9.6; 25-MAY-2008 22:31:17; Dark ; 55.5; 63; Bet Gru ; 2.15; 2800;occ; 111; 0;32606
4; 114.4; 25-MAY-2008 22:33:01; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;32606
5; 430.7; 25-MAY-2008 22:38:18; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32606
6; 826.8; 25-MAY-2008 22:44:54; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32606
7; 1052.9; 25-MAY-2008 22:48:40; Dark ; 25.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 50; 0;32606
8; 1107.0; 25-MAY-2008 22:49:34; Dark ; 47.5; 25; 35Lam Sco ; 1.62; 28000;occ; 95; 0;32606
9; 1223.7; 25-MAY-2008 22:51:31; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;32606
10; 1351.7; 25-MAY-2008 22:53:39; Dark ; 44.5; 136; 23Tau Sco ; 2.82; 30000;occ; 89; 0;32606

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12; 1738.1; 25-MAY-2008 23:00:05; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32606
13; 1837.3; 25-MAY-2008 23:01:44; Bright; 42.0; 120; 1Del Oph ; 2.73; 3200;occ; 84; 0;32606
14; 2020.1; 25-MAY-2008 23:04:47; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;32606
15; 2369.1; 25-MAY-2008 23:10:36; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;32606
16; 3031.6; 25-MAY-2008 23:21:39; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32606
17; 3169.8; 25-MAY-2008 23:23:57; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;32606
18; 3676.0; 25-MAY-2008 23:32:23; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;32606
19; 3935.3; 25-MAY-2008 23:36:42; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;32606
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21; 4385.5; 25-MAY-2008 23:44:12; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;32606
22; 4540.1; 25-MAY-2008 23:46:47; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;32606
23; 4815.3; 25-MAY-2008 23:51:22; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;32606
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 3; -2028.4; 25-MAY-2008 06:51:55; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;32596
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 5; -1497.4; 25-MAY-2008 07:00:46; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;32596
 6; -1224.8; 25-MAY-2008 07:05:19; Dark ; 48.5; 140; 88Gam Peg ; 2.83; 26000;occ; 97; 0;32596
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 9; 2.8; 25-MAY-2008 07:25:46; Dark ; 57.5; 63; Bet Gru ; 2.15; 2800;occ; 115; 0;32597
10; 106.7; 25-MAY-2008 07:27:30; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;32597
11; 424.5; 25-MAY-2008 07:32:48; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32597
12; 823.2; 25-MAY-2008 07:39:27; Dark ; 39.0; 141; Bet Ara ; 2.84; 4600;occ; 78; 0;32597
13; 992.4; 25-MAY-2008 07:42:16; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;32597
14; 1102.6; 25-MAY-2008 07:44:06; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;32597
15; 1220.7; 25-MAY-2008 07:46:04; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;32597
16; 1388.9; 25-MAY-2008 07:48:53; Dark ; 53.0; 16; 21Alp Sco ; 1.02; 3000;occ; 106; 0;32597
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13; 5342.9; 25-MAY-2008 08:54:47; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;32597
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16; 6143.4; 25-MAY-2008 09:08:07; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;32597
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18; 6859.5; 25-MAY-2008 09:20:03; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;32597
19; 7028.9; 25-MAY-2008 09:22:53; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;32597
20; 7138.9; 25-MAY-2008 09:24:43; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;32597
21; 7257.0; 25-MAY-2008 09:26:41; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;32597
22; 7385.6; 25-MAY-2008 09:28:49; Dark ; 41.0; 136; 23Tau Sco ; 2.82; 30000;occ; 82; 0;32597
23; 7565.9; 25-MAY-2008 09:31:50; Bright; 39.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 79; 0;32597
24; 7773.4; 25-MAY-2008 09:35:17; Bright; 17.5; 104; 27Bet Lib ; 2.61; 13100;occ; 35; 0;32597
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10; 4384.7; 25-MAY-2008 10:19:24; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;32598
11; 4538.8; 25-MAY-2008 10:21:58; Dark ; 50.5; 58; 21Alp And ; 2.07; 11000;occ; 101; 0;32598

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 15; 6040.2; 25-MAY-2008 10:47:00; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;32598
 16; 6144.2; 25-MAY-2008 10:48:44; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;32598
 17; 6461.8; 25-MAY-2008 10:54:01; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32598
 18; 6859.9; 25-MAY-2008 11:00:40; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;32598
 19; 7029.3; 25-MAY-2008 11:03:29; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;32598
 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
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 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
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 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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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
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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
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19; 5872.4; 25-MAY-2008 19:07:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32603
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23; 6862.2; 25-MAY-2008 19:23:41; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 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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1; -2362.0; 26-MAY-2008 06:14:45; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;32610
2; -2100.8; 26-MAY-2008 06:19:06; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;32610
3; -1649.9; 26-MAY-2008 06:26:37; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;32610
4; -1494.9; 26-MAY-2008 06:29:12; Dark ; 51.5; 58; 21Alp And ; 2.07; 11000;occ; 103; 0;32610
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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6; -686.7; 26-MAY-2008 06:42:40; Dark ; 46.0; 52; 16Bet Cet ; 2.04; 4500;occ; 92; 0;32610
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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6; 3029.2; 26-MAY-2008 11:05:48; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32613
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
24; 7620.1; 26-MAY-2008 12:22:19; Bright; 31.5; 86; 35Eta Oph ; 2.43; 10200;occ; 63; 0;32613
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2; 1836.8; 26-MAY-2008 12:26:31; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;32614
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
9; 3934.9; 26-MAY-2008 13:01:29; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;32614
10; 4386.5; 26-MAY-2008 13:09:01; Bright; 40.0; 53; 43Bet And ; 2.05; 3300;occ; 80; 0;32614
11; 4541.7; 26-MAY-2008 13:11:36; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;32614
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
15; 6052.8; 26-MAY-2008 13:36:47; Dark ; 44.0; 63; Bet Gru ; 2.15; 2800;occ; 88; 0;32614
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
18; 6866.8; 26-MAY-2008 13:50:21; Dark ; 38.5; 141; Bet Ara ; 2.84; 4600;occ; 77; 0;32614
19; 7037.6; 26-MAY-2008 13:53:12; Dark ; 43.5; 40; The Sco ; 1.86; 7100;occ; 87; 0;32614
20; 7147.3; 26-MAY-2008 13:55:02; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;32614
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
10; 3671.1; 26-MAY-2008 14:37:41; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;32615
11; 3935.0; 26-MAY-2008 14:42:05; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;32615
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
14; 4819.3; 26-MAY-2008 14:56:49; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;32615
15; 5351.8; 26-MAY-2008 15:05:42; Dark ; 46.0; 52; 16Bet Cet ; 2.04; 4500;occ; 92; 0;32615
16; 5879.4; 26-MAY-2008 15:14:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32615
17; 6053.6; 26-MAY-2008 15:17:24; Dark ; 60.0; 63; Bet Gru ; 2.15; 2800;occ; 120; 0;32615
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
21; 7038.2; 26-MAY-2008 15:33:48; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;32615
22; 7147.8; 26-MAY-2008 15:35:38; Dark ; 47.5; 25; 35Lam Sco ; 1.62; 28000;occ; 95; 0;32615
23; 7263.4; 26-MAY-2008 15:37:34; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 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
 6; 2019.4; 26-MAY-2008 15:50:46; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32616
 7; 2381.2; 26-MAY-2008 15:56:47; Bright; 38.0; 67; 5Alp CrB ; 2.22; 11000;occ; 76; 0;32616
 8; 2570.3; 26-MAY-2008 15:59:56; Bright; 44.5; 133; 40Zet Her ; 2.81; 6000;occ; 89; 0;32616
 9; 3028.2; 26-MAY-2008 16:07:34; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32616
 10; 3169.3; 26-MAY-2008 16:09:55; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;32616
 11; 3670.6; 26-MAY-2008 16:18:17; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;32616
 12; 3934.8; 26-MAY-2008 16:22:41; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;32616
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 15; 4819.7; 26-MAY-2008 16:37:26; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;32616
 16; 5352.3; 26-MAY-2008 16:46:18; Dark ; 45.5; 52; 16Bet Cet ; 2.04; 4500;occ; 91; 0;32616
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 18; 6054.4; 26-MAY-2008 16:58:01; Dark ; 57.5; 63; Bet Gru ; 2.15; 2800;occ; 115; 0;32616
 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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8; 3657.3; 28-MAY-2008 08:32:26; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;32640
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22; 7271.7; 28-MAY-2008 09:32:40; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;32640
23; 7397.0; 28-MAY-2008 09:34:46; Dark ; 41.5; 136; 23Tau Sco ; 2.82; 30000;occ; 83; 0;32640
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 23; 7277.2; 29-MAY-2008 14:02:56; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;32657
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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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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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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
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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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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
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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
9; 3167.3; 29-MAY-2008 14:35:02; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32658
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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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6; 2016.1; 29-MAY-2008 15:56:27; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;32659
7; 2373.3; 29-MAY-2008 16:02:24; Bright; 37.5; 67; 5Alp CrB ; 2.22; 11000;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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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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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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 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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 13; 3008.7; 30-MAY-2008 20:43:11; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32676
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25; 5284.7; 01-JUN-2008 00:10:42; Dark ; 37.0; 0; ; 0.00; 0;occ; 74; 0;32692
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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

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