

GOMOS Daily Report 29-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	31MAY2008 05:32:35
Data source version	GOMOS/5.00
Start time of products	QDS_YESTERDAY(/START)-1D (29MAY2008 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP)-1D (30MAY2008 00:00:00)
Store outputs in DB	Yes
Nb of level 1b prods	50
Nb of prods with errors	0

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

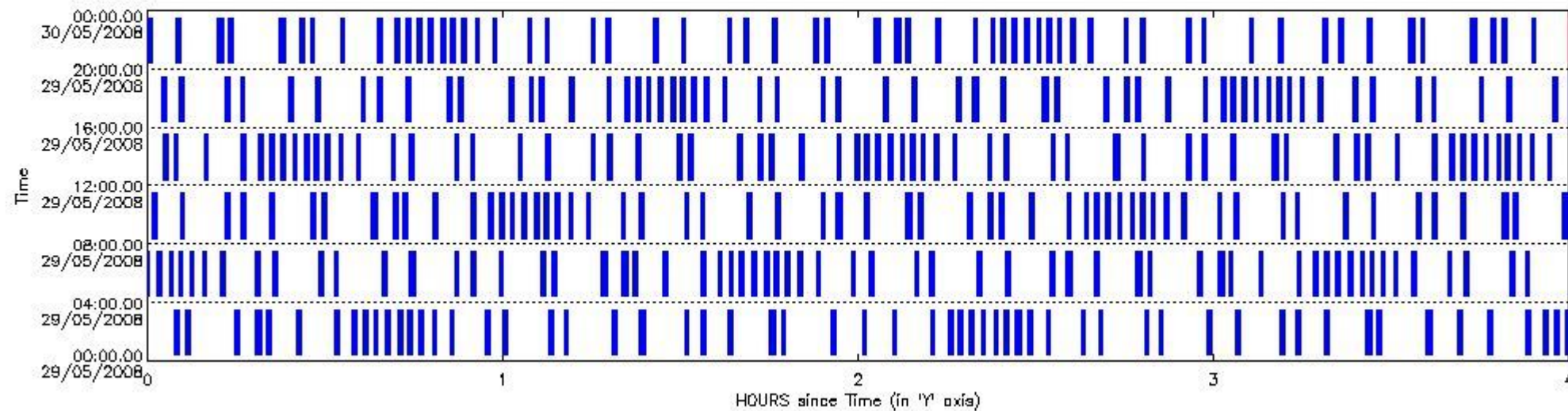
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

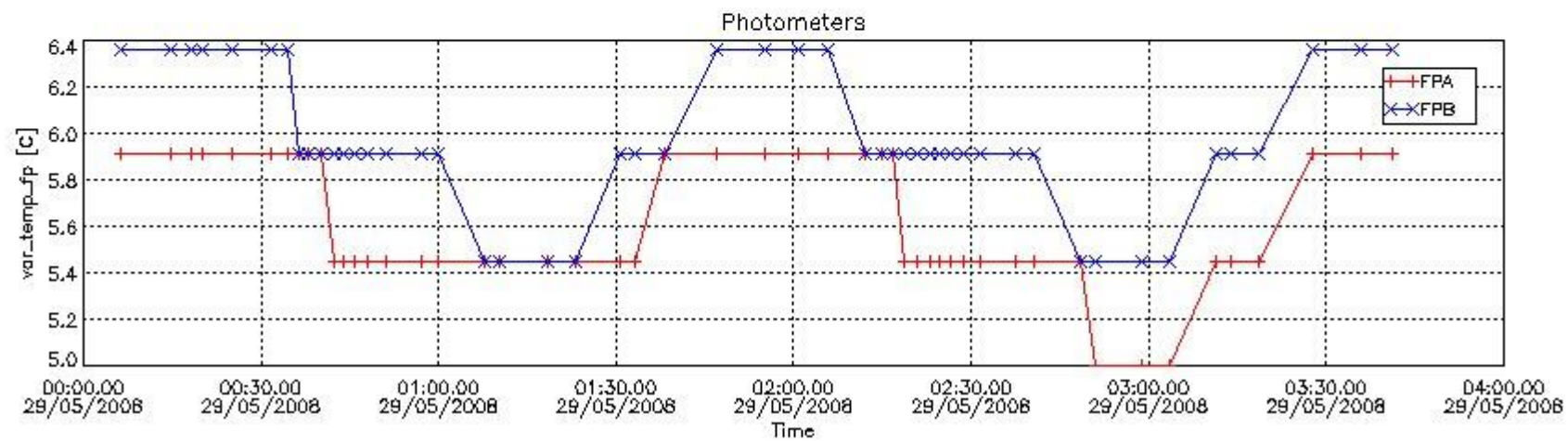
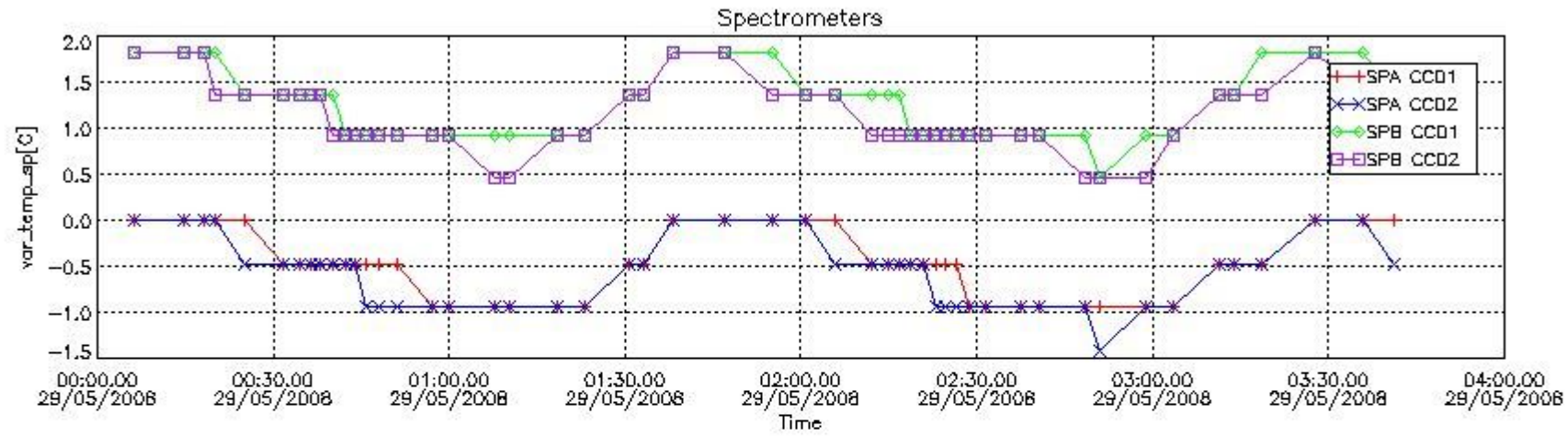
UTC start time	Star name	Star ID	Orbit
29-MAY-2008 23:59:59	BetAra	141	32664

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_1PNPDE20080529_000621_000000432069_00030_32649_0406.N1	29-MAY-2008 00:06:21	Dark	42.500	52	16Bet Cet	2.0370	4500.0	85	32649	No
2	GOM_TRA_1PNPDE20080529_001439_000000532069_00030_32649_0407.N1	29-MAY-2008 00:14:39	Dark	53.000	18	24Alp PsA	1.1660	9700.0	106	32649	No
3	GOM_TRA_1PNPDE20080529_001812_000000592069_00031_32650_0408.N1	29-MAY-2008 00:18:12	Dark	58.500	63	Bet Gru	2.1500	2800.0	117	32650	No
4	GOM_TRA_1PNPDE20080529_002001_000000462069_00031_32650_0409.N1	29-MAY-2008 00:20:01	Dark	46.000	31	Alp Gru	1.7340	15200.	92	32650	No
5	GOM_TRA_1PNPDE20080529_002509_000000432069_00031_32650_0410.N1	29-MAY-2008 00:25:09	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	32650	No
6	GOM_TRA_1PNPDE20080529_003133_000000412069_00031_32650_0411.N1	29-MAY-2008 00:31:33	Straylight	41.000	141	Bet Ara	2.8400	4600.0	82	32650	No
7	GOM_TRA_1PNPDE20080529_003426_000000472069_00031_32650_0412.N1	29-MAY-2008 00:34:26	Straylight	47.000	40	The Sco	1.8590	7100.0	94	32650	No
8	GOM_TRA_1PNPDE20080529_003615_000000502069_00031_32650_0413.N1	29-MAY-2008 00:36:15	Twilight_stray	49.500	25	35Lam Sco	1.6200	28000.	99	32650	No
9	GOM_TRA_1PNPDE20080529_003806_000000462069_00031_32650_0414.N1	29-MAY-2008 00:38:06	Twilight_stray	45.500	75	26Eps Sco	2.2910	4250.0	91	32650	No
10	GOM_TRA_1PNPDE20080529_004011_000000422069_00031_32650_0415.N1	29-MAY-2008 00:40:11	Twilight_stray	41.500	136	23Tau Sco	2.8220	30000.	83	32650	No

11	GOM_TRA_1PNPDE20080529_004219_000000402069_00031_32650_0416.N1	29-MAY-2008 00:42:19	Bright	39.500	80	7Del Sco	2.3160	30000.	79	32650	No
12	GOM_TRA_1PNPDE20080529_004355_000000482069_00031_32650_0417.N1	29-MAY-2008 00:43:55	Bright	47.500	86	35Eta Oph	2.4300	10200.	95	32650	No
13	GOM_TRA_1PNPDE20080529_004549_000000422069_00031_32650_0418.N1	29-MAY-2008 00:45:49	Bright	41.500	98	13Zet Oph	2.5710	30000.	83	32650	No
14	GOM_TRA_1PNPDE20080529_004803_000000412069_00031_32650_0419.N1	29-MAY-2008 00:48:03	Bright	40.500	120	1Del Oph	2.7340	3200.0	81	32650	No
15	GOM_TRA_1PNPDE20080529_005104_000000382069_00031_32650_0420.N1	29-MAY-2008 00:51:04	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	32650	No
16	GOM_TRA_1PNPDE20080529_005702_000000402069_00031_32650_0421.N1	29-MAY-2008 00:57:02	Bright	39.500	67	5Alp CrB	2.2210	11000.	79	32650	No
17	GOM_TRA_1PNPDE20080529_005957_000000432069_00031_32650_0422.N1	29-MAY-2008 00:59:57	Bright	43.000	133	40Zet Her	2.8070	6000.0	86	32650	No
18	GOM_TRA_1PNPDE20080529_010744_000000392069_00031_32650_0423.N1	29-MAY-2008 01:07:44	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	32650	No
19	GOM_TRA_1PNPDE20080529_011015_000000372069_00031_32650_0424.N1	29-MAY-2008 01:10:15	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	32650	No
20	GOM_TRA_1PNPDE20080529_011819_000000462069_00031_32650_0425.N1	29-MAY-2008 01:18:19	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	32650	No
21	GOM_TRA_1PNPDE20080529_012300_000000552069_00031_32650_0426.N1	29-MAY-2008 01:23:00	Bright	54.500	76	27Gam Cas	2.3000	30000.	109	32650	No
22	GOM_TRA_1PNPDE20080529_013038_000000412069_00031_32650_0427.N1	29-MAY-2008 01:30:38	Bright	40.500	53	43Bet And	2.0480	3300.0	81	32650	No
23	GOM_TRA_1PNPDE20080529_013316_000000522069_00031_32650_0428.N1	29-MAY-2008 01:33:16	Twilight	51.500	58	21Alp And	2.0730	11000.	103	32650	No
24	GOM_TRA_1PNPDE20080529_013802_000000482069_00031_32650_0429.N1	29-MAY-2008 01:38:02	Dark	48.000	140	88Gam Peg	2.8340	26000.	96	32650	No
25	GOM_TRA_1PNPDE20080529_014658_000000452069_00031_32650_0539.N1	29-MAY-2008 01:46:58	Dark	45.000	52	16Bet Cet	2.0370	4500.0	90	32650	No
26	GOM_TRA_1PNPDE20080529_015516_000000522069_00031_32650_0540.N1	29-MAY-2008 01:55:16	Dark	52.000	18	24Alp PsA	1.1660	9700.0	104	32650	No
27	GOM_TRA_1PNPDE20080529_020038_000000442069_00032_32651_0541.N1	29-MAY-2008 02:00:38	Dark	44.000	31	Alp Gru	1.7340	15200.	88	32651	No
28	GOM_TRA_1PNPDE20080529_020546_000000422069_00032_32651_0542.N1	29-MAY-2008 02:05:46	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	32651	No
29	GOM_TRA_1PNPDE20080529_021209_000000422069_00032_32651_0543.N1	29-MAY-2008 02:12:09	Straylight	41.500	141	Bet Ara	2.8400	4600.0	83	32651	No
30	GOM_TRA_1PNPDE20080529_021503_000000492069_00032_32651_0544.N1	29-MAY-2008 02:15:03	Straylight	49.000	40	The Sco	1.8590	7100.0	98	32651	No
31	GOM_TRA_1PNPDE20080529_021652_000000442069_00032_32651_0545.N1	29-MAY-2008 02:16:52	Twilight	44.000	25	35Lam Sco	1.6200	28000.	88	32651	No
32	GOM_TRA_1PNPDE20080529_021843_000000482069_00032_32651_0546.N1	29-MAY-2008 02:18:43	Twilight	48.000	75	26Eps Sco	2.2910	4250.0	96	32651	No
33	GOM_TRA_1PNPDE20080529_022047_000000412069_00032_32651_0547.N1	29-MAY-2008 02:20:47	Twilight	40.500	136	23Tau Sco	2.8220	30000.	81	32651	No
34	GOM_TRA_1PNPDE20080529_022255_000000402069_00032_32651_0548.N1	29-MAY-2008 02:22:55	Bright	39.500	80	7Del Sco	2.3160	30000.	79	32651	No
35	GOM_TRA_1PNPDE20080529_022431_000000472069_00032_32651_0549.N1	29-MAY-2008 02:24:31	Bright	47.000	86	35Eta Oph	2.4300	10200.	94	32651	No
36	GOM_TRA_1PNPDE20080529_022625_000000612069_00032_32651_0550.N1	29-MAY-2008 02:26:25	Bright	61.000	98	13Zet Oph	2.5710	30000.	122	32651	No
37	GOM_TRA_1PNPDE20080529_022838_000000412069_00032_32651_0551.N1	29-MAY-2008 02:28:38	Bright	41.000	120	1Del Oph	2.7340	3200.0	82	32651	No
38	GOM_TRA_1PNPDE20080529_023140_000000382069_00032_32651_0552.N1	29-MAY-2008 02:31:40	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	32651	No
39	GOM_TRA_1PNPDE20080529_023738_000000392069_00032_32651_0553.N1	29-MAY-2008 02:37:38	Bright	39.000	67	5Alp CrB	2.2210	11000.	78	32651	No
40	GOM_TRA_1PNPDE20080529_024032_000000452069_00032_32651_0554.N1	29-MAY-2008 02:40:32	Bright	45.000	133	40Zet Her	2.8070	6000.0	90	32651	No
41	GOM_TRA_1PNPDE20080529_024820_000000372069_00032_32651_0555.N1	29-MAY-2008 02:48:20	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	32651	No
42	GOM_TRA_1PNPDE20080529_025051_000000342069_00032_32651_0556.N1	29-MAY-2008 02:50:51	Bright	34.000	60	7Bet UMi	2.0810	3950.0	68	32651	No
43	GOM_TRA_1PNPDE20080529_025855_000000472069_00032_32651_0694.N1	29-MAY-2008 02:58:55	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	32651	No
44	GOM_TRA_1PNPDE20080529_030336_000000552069_00032_32651_0695.N1	29-MAY-2008 03:03:36	Bright	55.000	76	27Gam Cas	2.3000	30000.	110	32651	No
45	GOM_TRA_1PNPDE20080529_031114_000000422069_00032_32651_0696.N1	29-MAY-2008 03:11:14	Bright	42.000	53	43Bet And	2.0480	3300.0	84	32651	No
46	GOM_TRA_1PNPDE20080529_031352_000000522069_00032_32651_0697.N1	29-MAY-2008 03:13:52	Twilight	52.000	58	21Alp And	2.0730	11000.	104	32651	No
47	GOM_TRA_1PNPDE20080529_031838_000000492069_00032_32651_0698.N1	29-MAY-2008 03:18:38	Dark	48.500	140	88Gam Peg	2.8340	26000.	97	32651	No
48	GOM_TRA_1PNPDE20080529_032734_000000452069_00032_32651_0699.N1	29-MAY-2008 03:27:34	Dark	44.500	52	16Bet Cet	2.0370	4500.0	89	32651	No
49	GOM_TRA_1PNPDE20080529_033553_000000622069_00032_32651_0700.N1	29-MAY-2008 03:35:53	Dark	61.500	18	24Alp PsA	1.1660	9700.0	123	32651	No
50	GOM_TRA_1PNPDE20080529_034115_000000462069_00033_32652_0701.N1	29-MAY-2008 03:41:15	Dark	45.500	31	Alp Gru	1.7340	15200.	91	32652	No

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



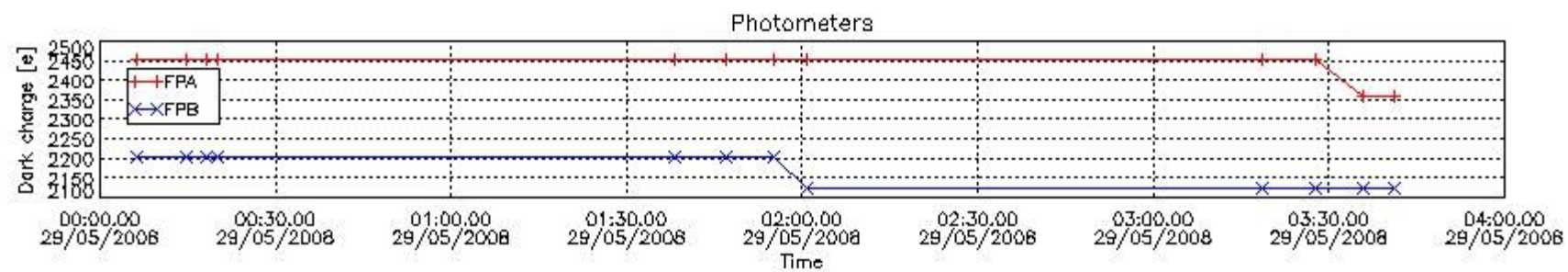
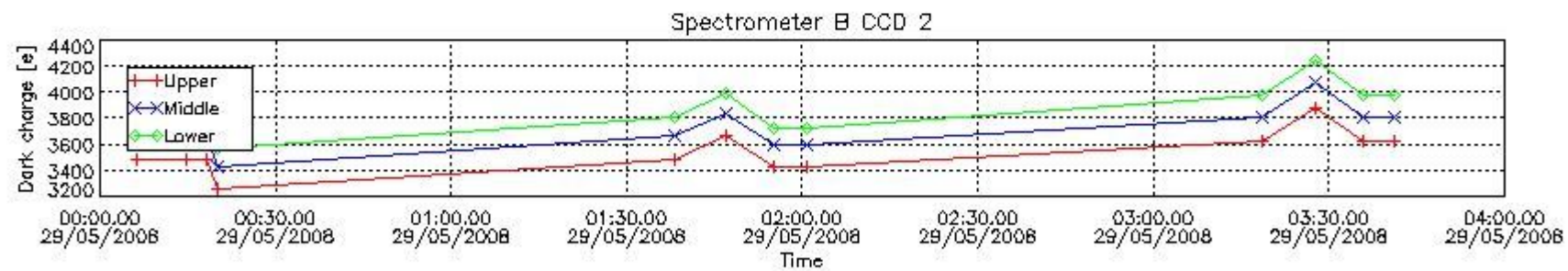
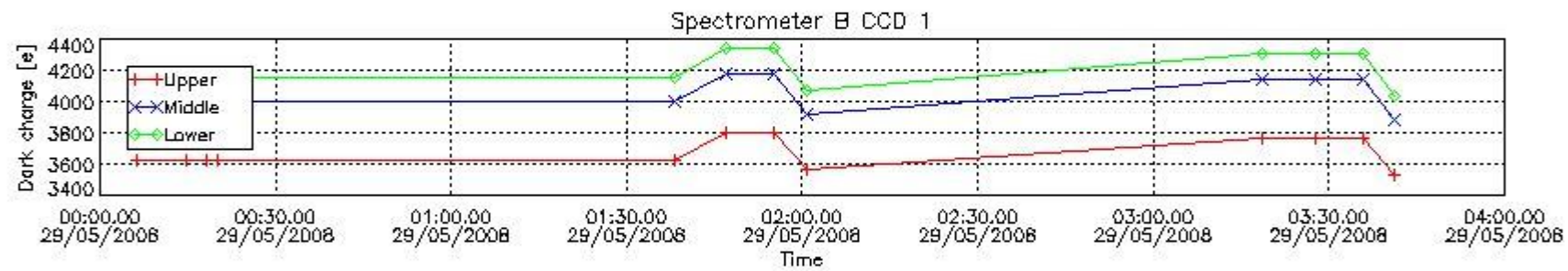
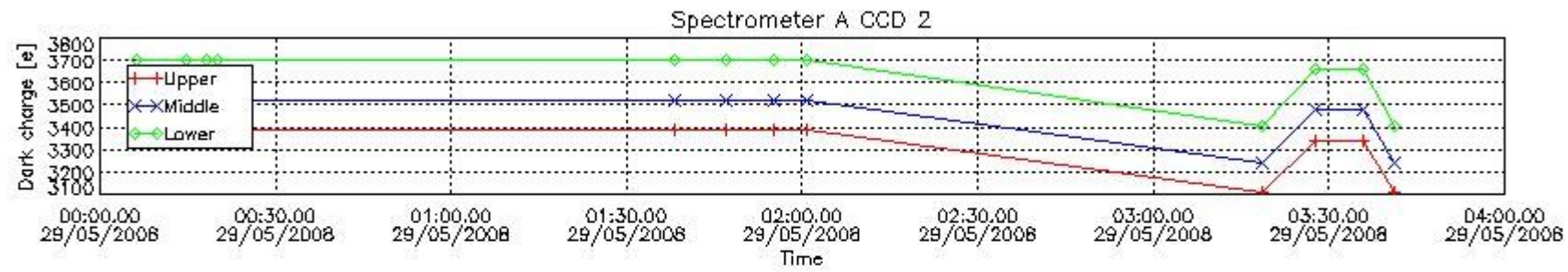
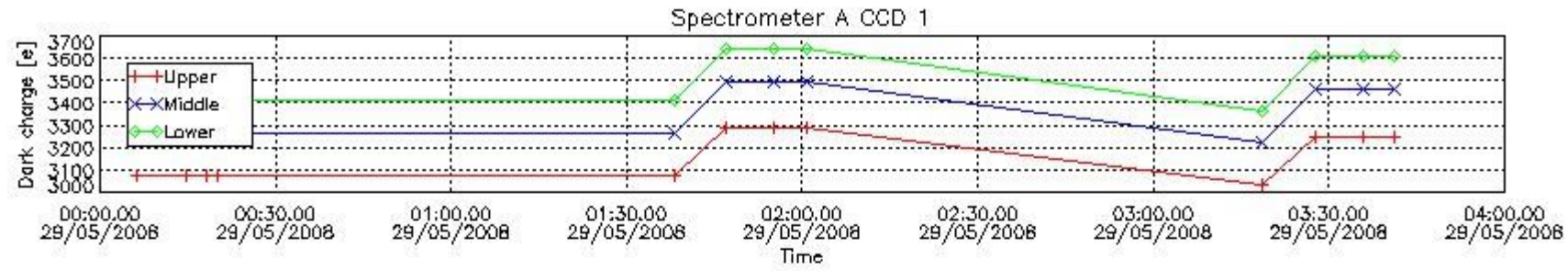
4. Overview of dark signal processing per product

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



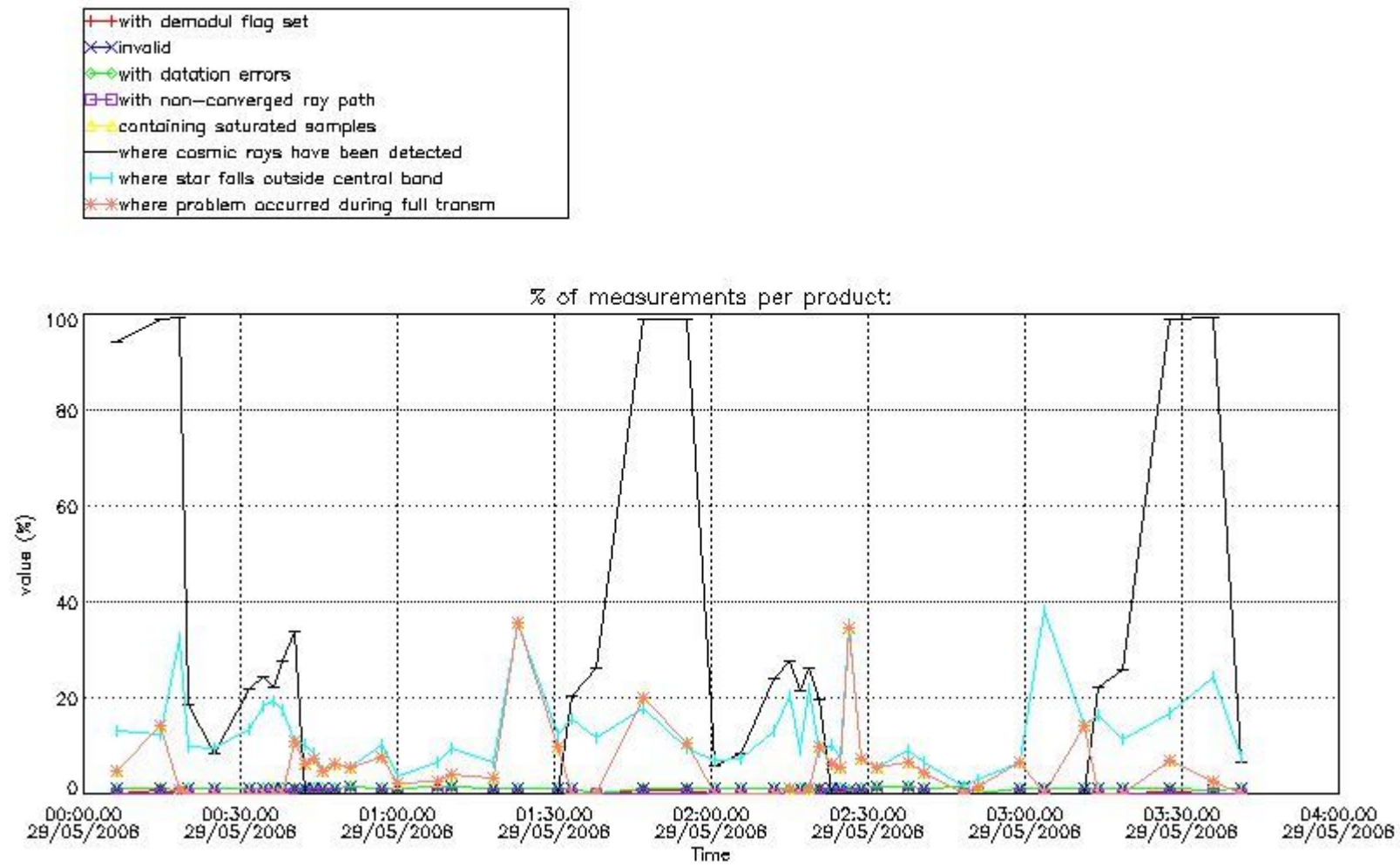
5. Demodulation flag and quality information monitoring

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.

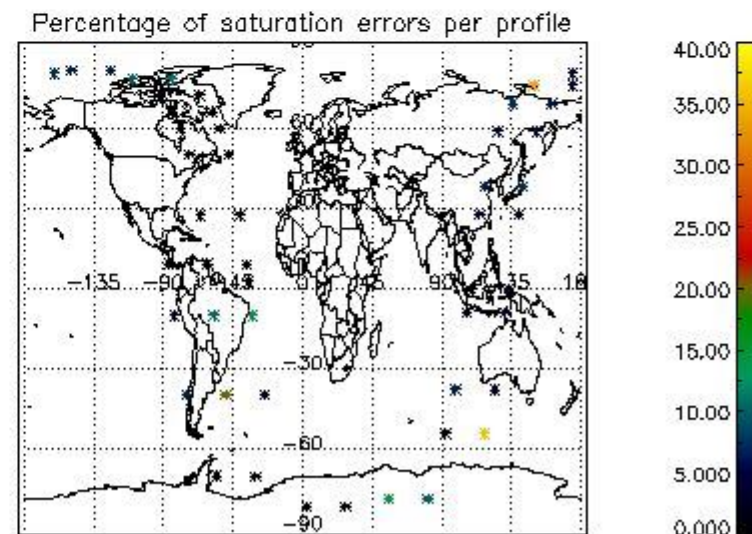
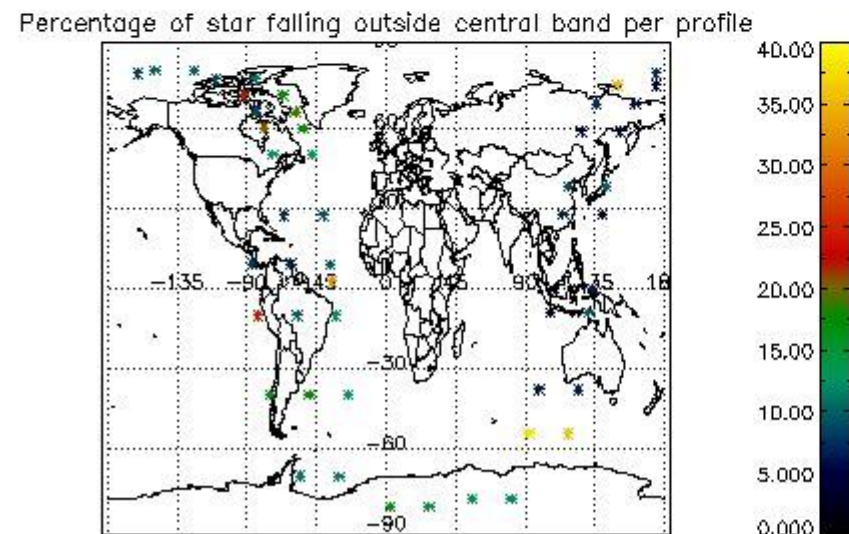
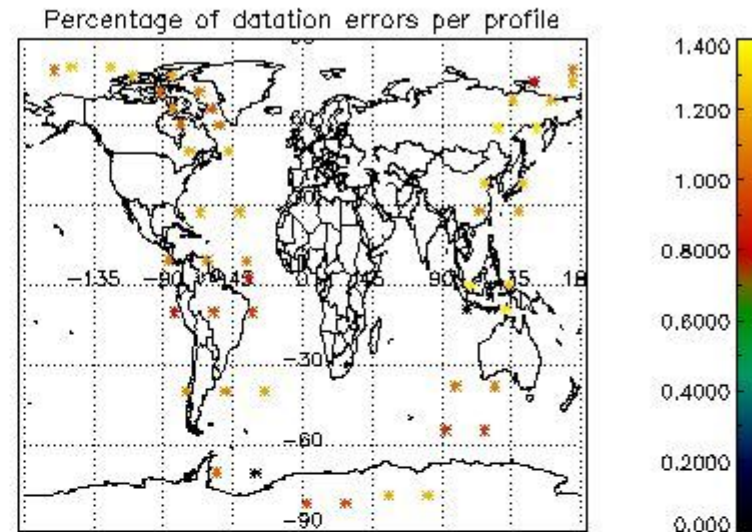
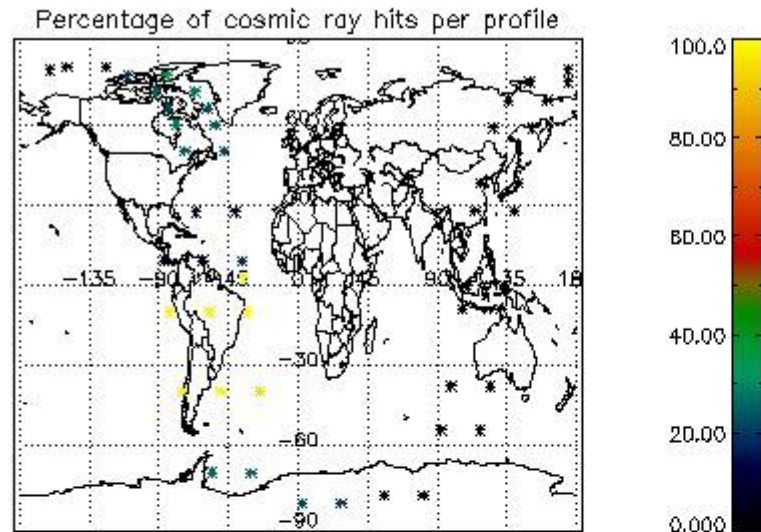
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	32.0000 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



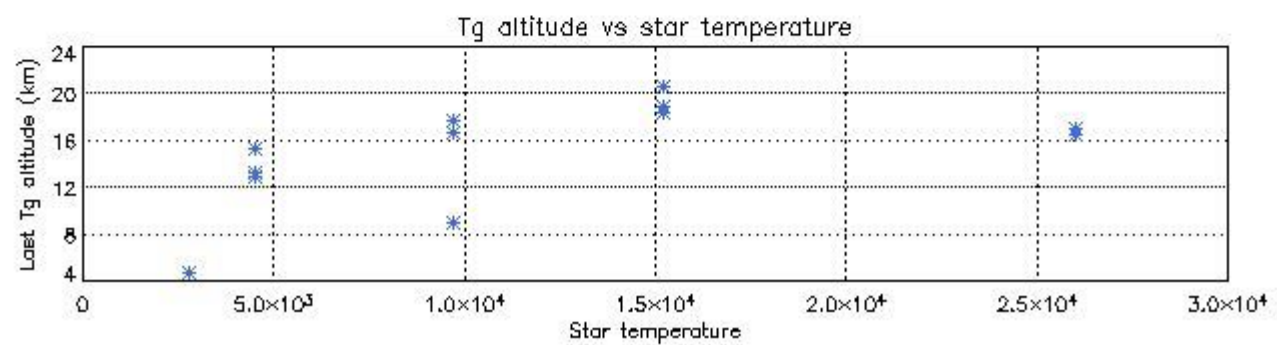
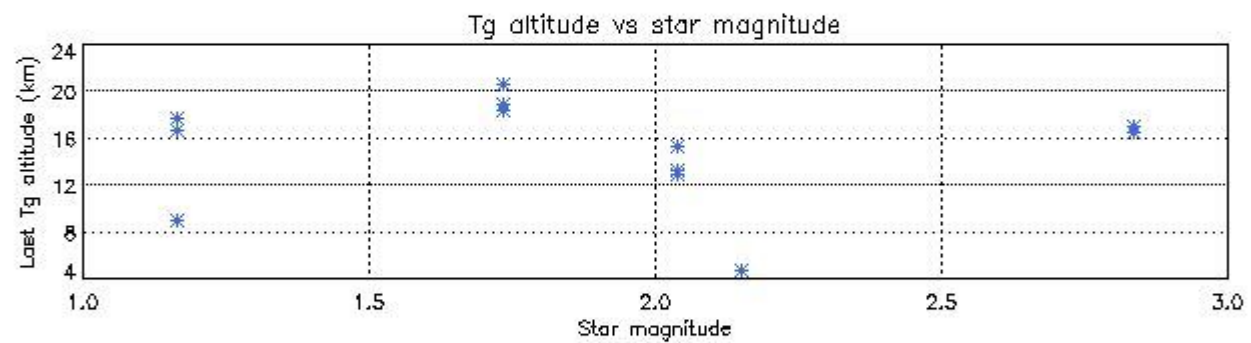
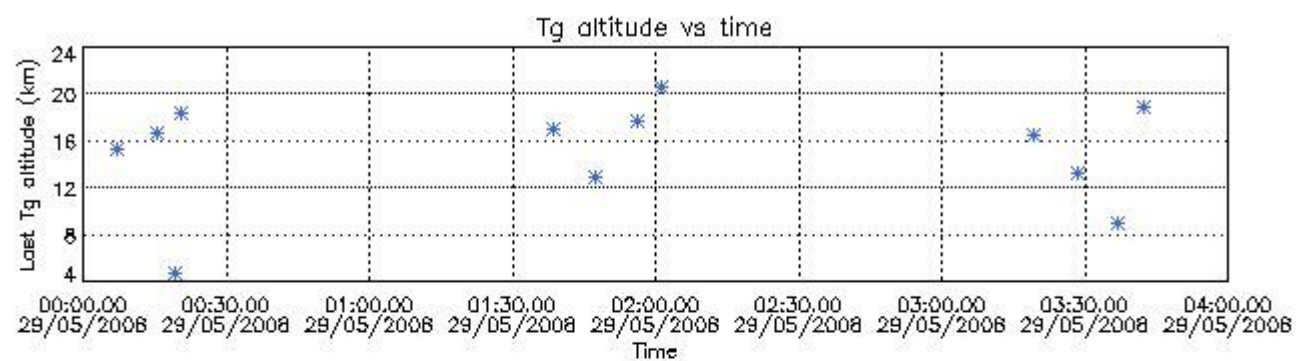
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.057	18.121	NaN
St. deviation:	4.5123	5.9735	NaN
Maximum:	20.545	25.560	NaN
Minimum:	4.6544	3.7827	NaN
Number of data:	12.000	24.000	NaN

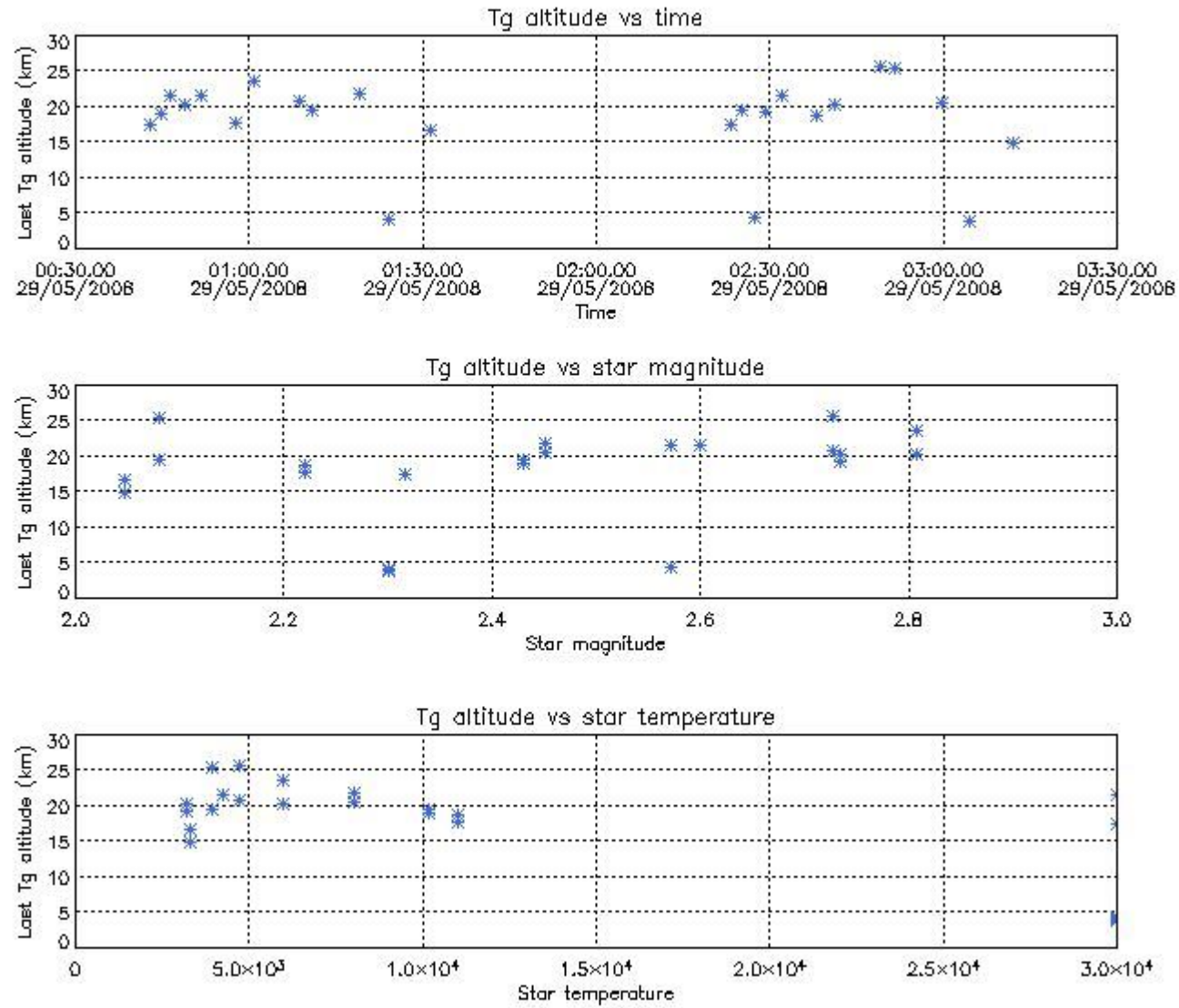
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

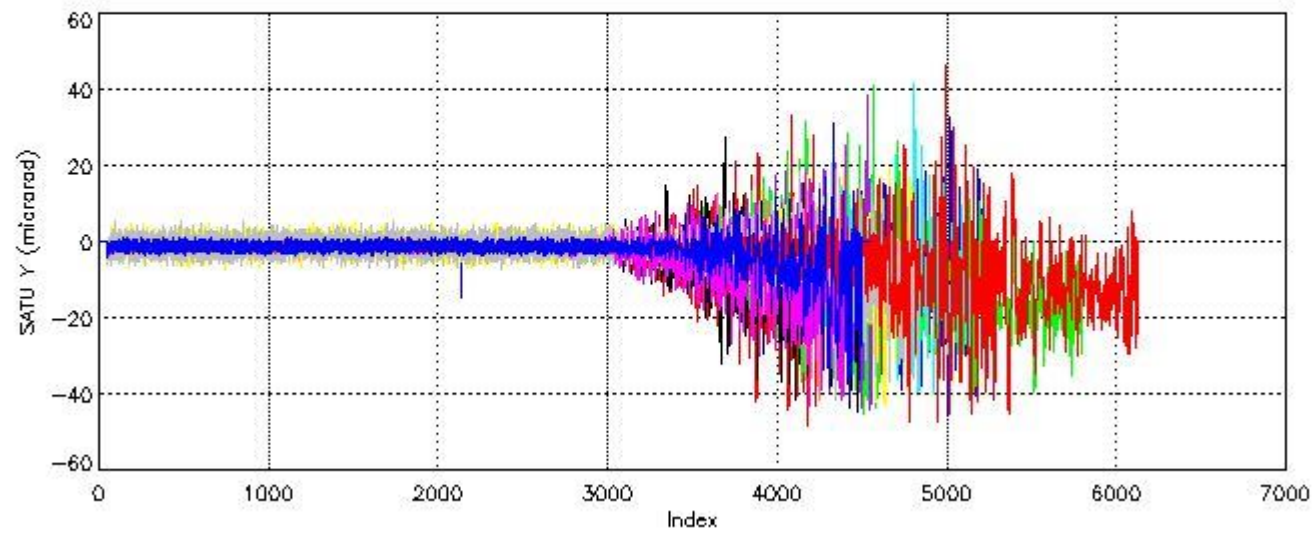
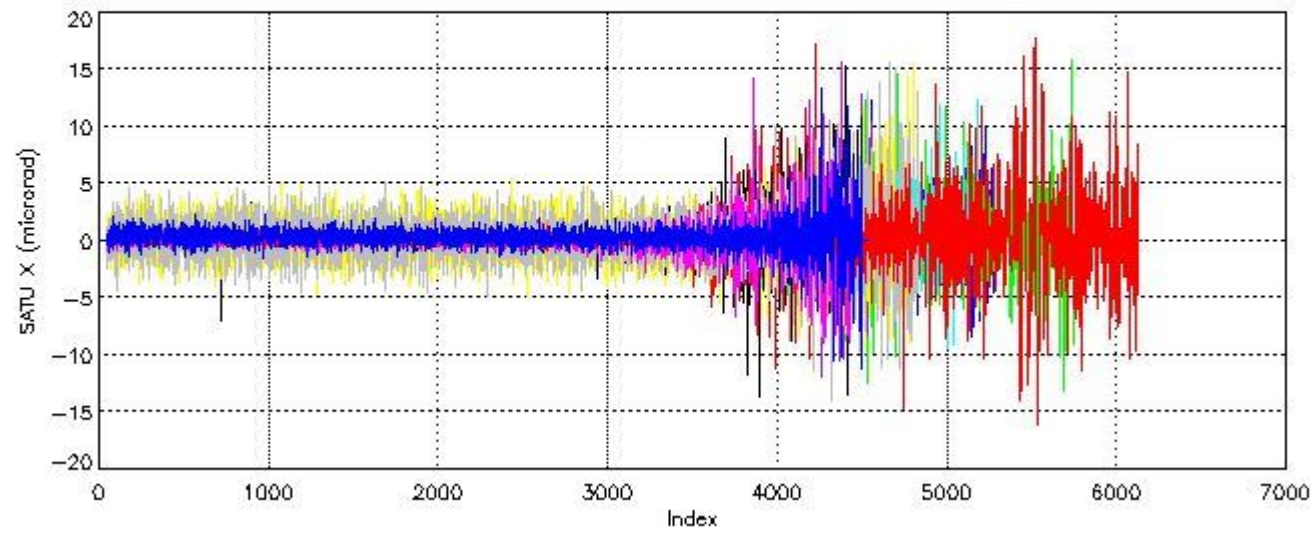


7. Star Acquisition and Tracking Unit (SATU)

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:	0.23184	-1.2624	0.26365	-1.2391
St. deviation:	0.56040	1.0356	0.75090	1.1749
Maximum:	5.0000	5.1000	4.7000	3.4000
Minimum:	-7.1000	-7.3000	-3.6000	-6.3000

Number of data:	13000.	13000.	22050.	22050.
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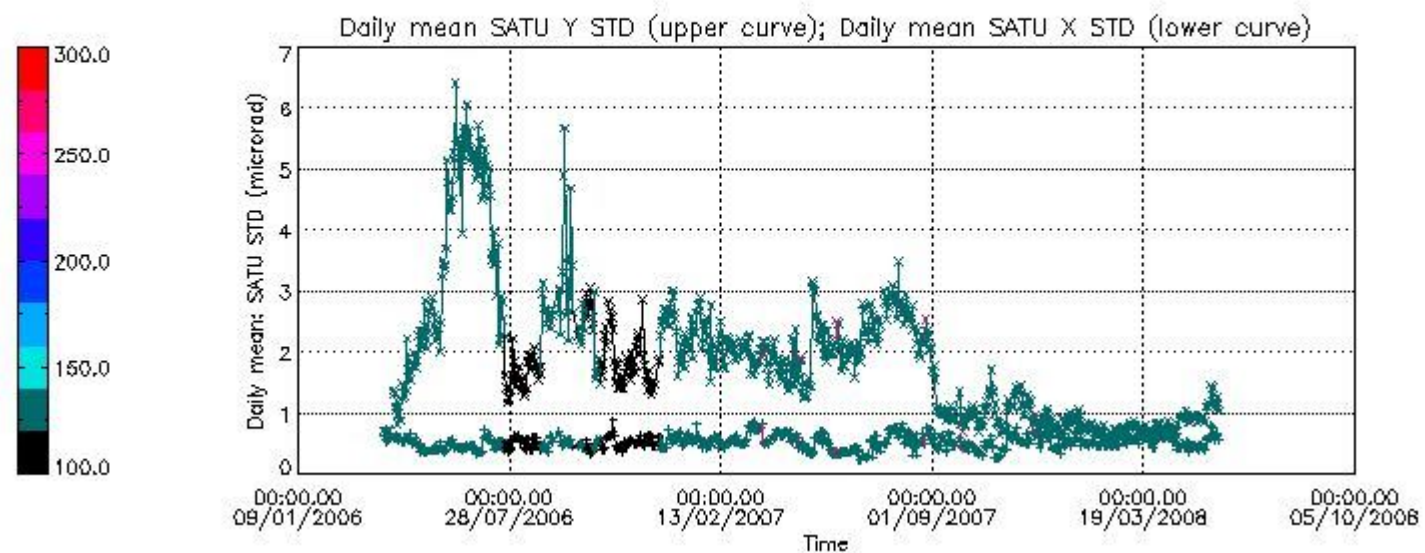
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

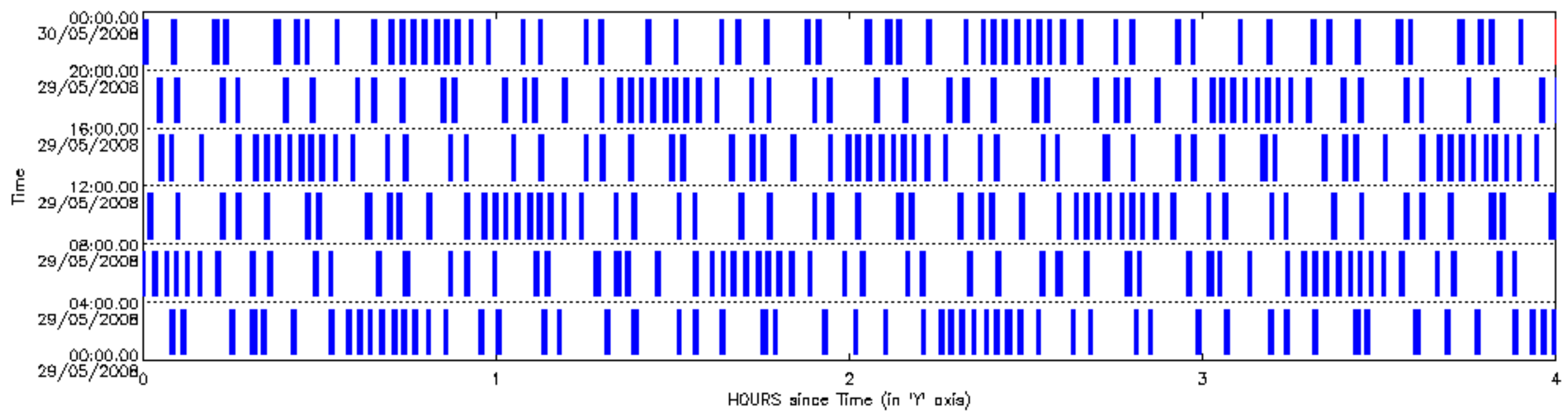
Lower curve: STD of SATU X axis

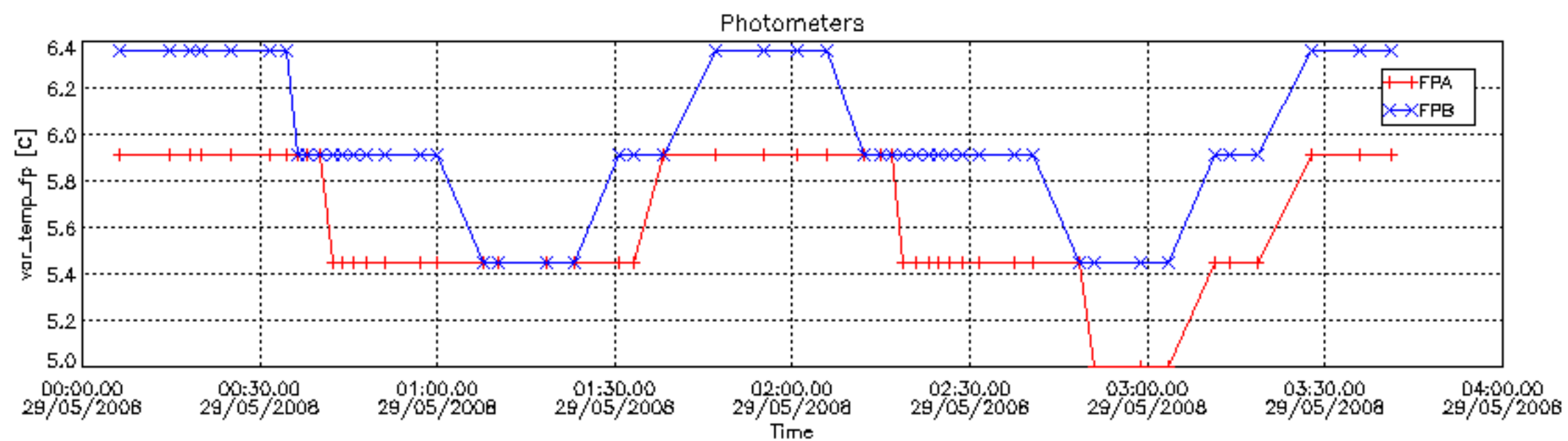
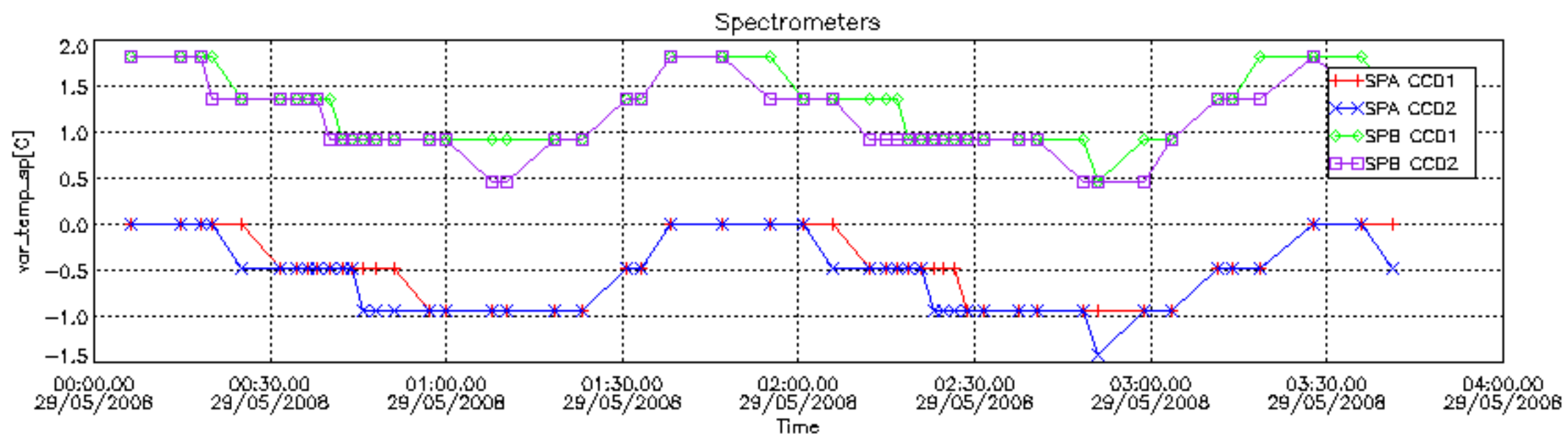


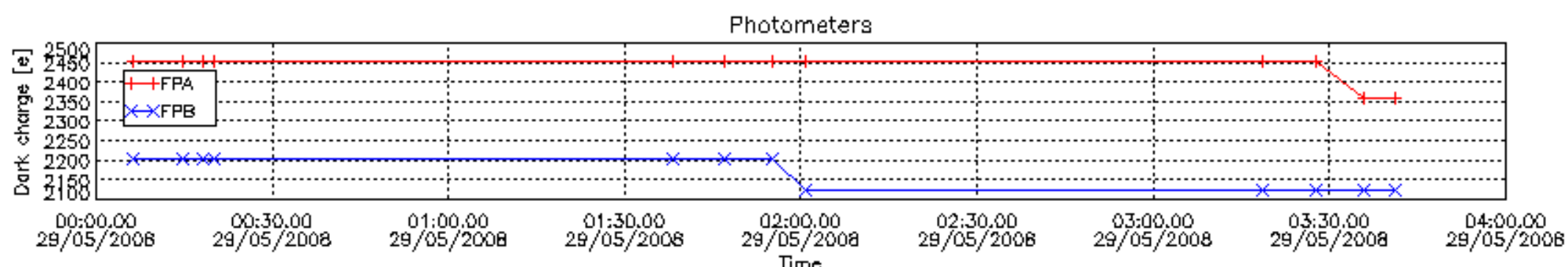
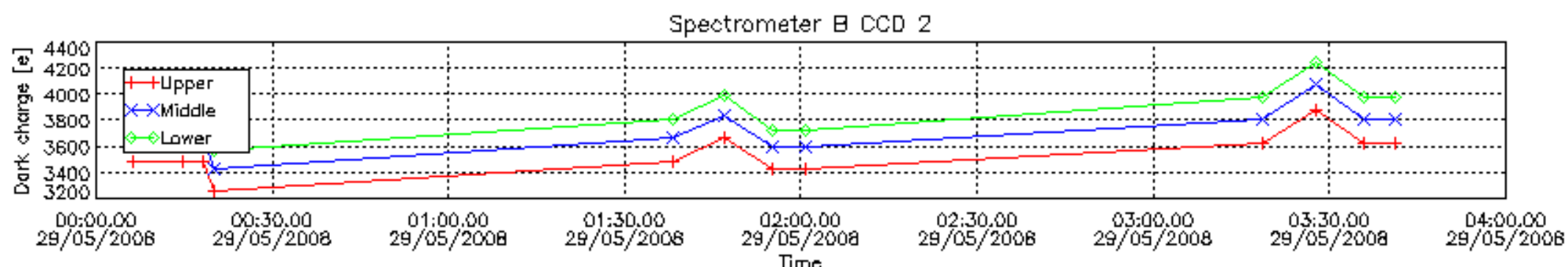
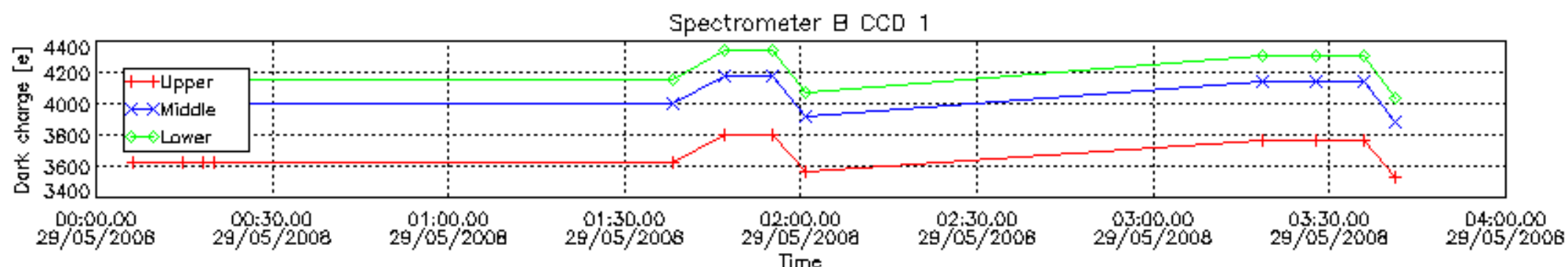
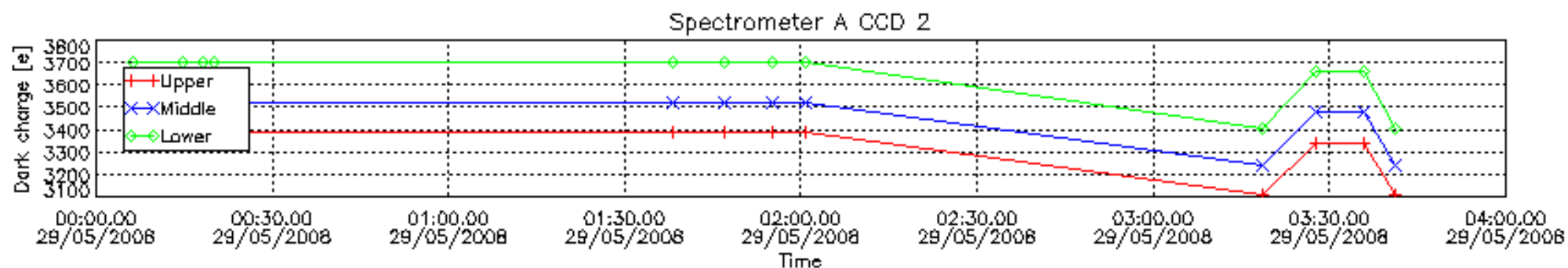
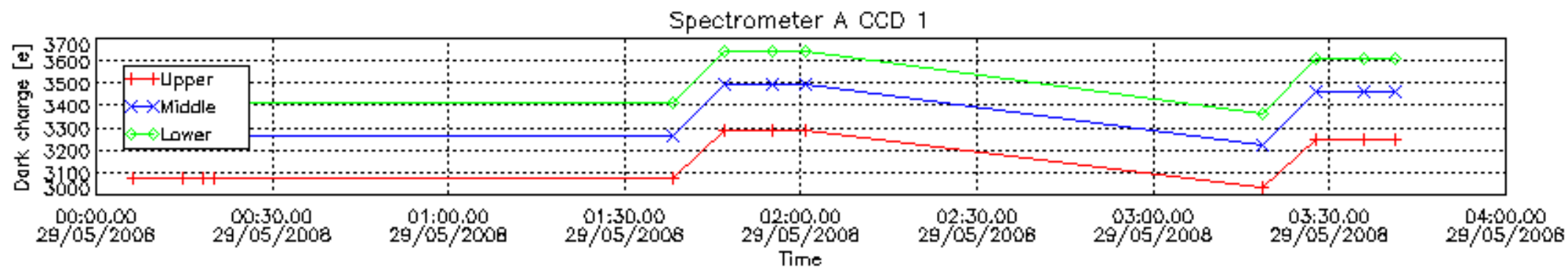
8. Auxiliary Data Files used for the production reported in section 2.4

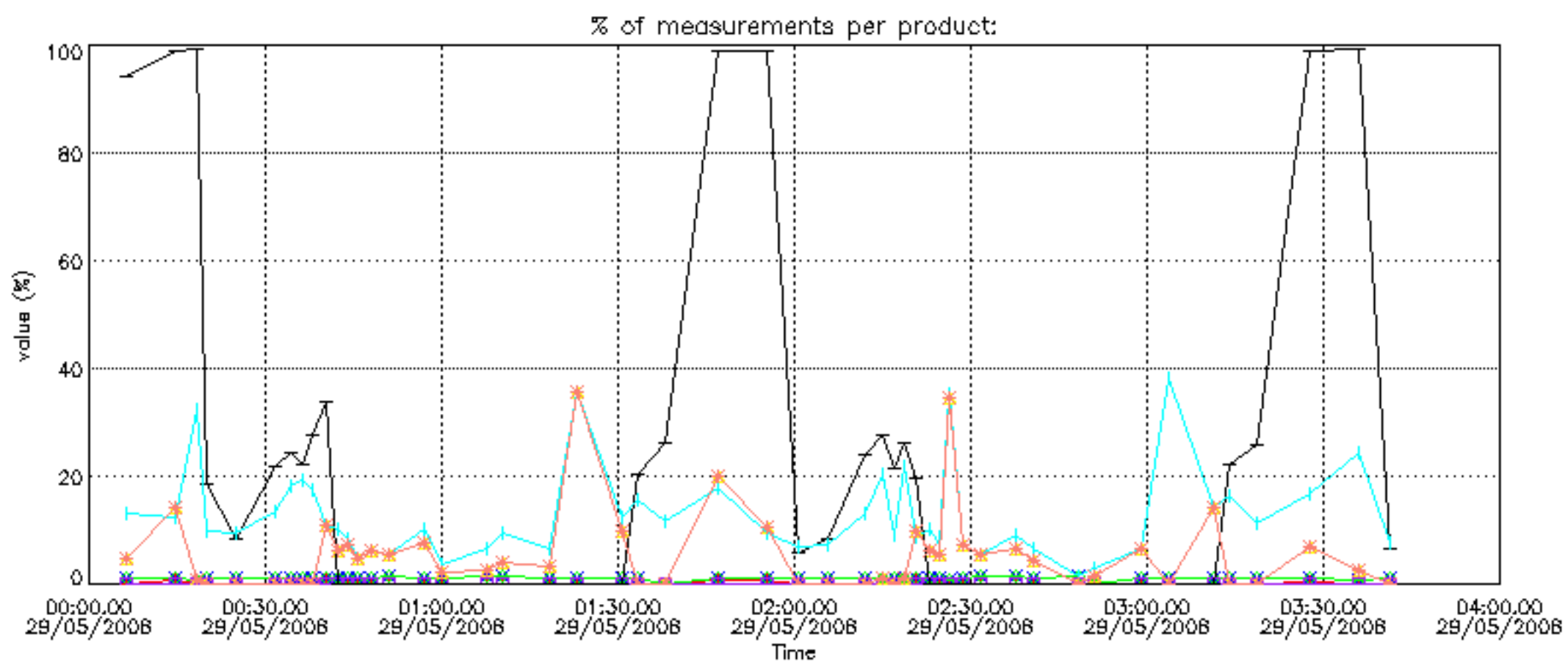
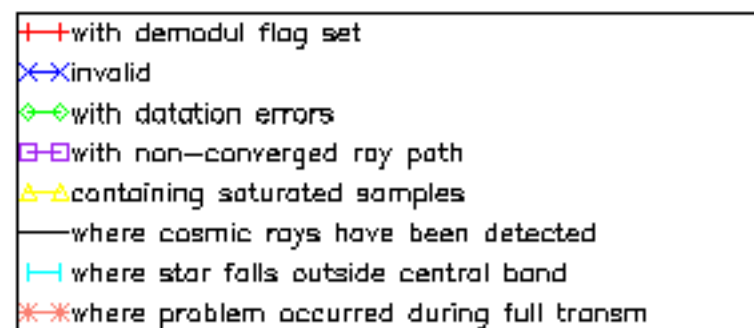
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	29-MAY-2008 00:06:21
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20080523_131121_20080521_000000_20100101_000000	1	29-MAY-2008 00:06:21
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	29-MAY-2008 00:06:21
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	29-MAY-2008 00:06:21
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	29-MAY-2008 00:06:21
ECMWF_FILE	AUX_ECF_AXNECM20080528_072113_20080528_210000_20080529_090000	1	29-MAY-2008 00:06:21
OPTIONAL_ECMWF_FILE	MISSING	1	29-MAY-2008 00:06:21
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080528_221910_000057382069_00029_32648_5625.N1	1	29-MAY-2008 00:06:21
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080529_000007_000057382069_00030_32649_5626.N1	25	29-MAY-2008 01:46:58
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080529_014104_000041442069_00031_32650_5627.N1	43	29-MAY-2008 02:58:55

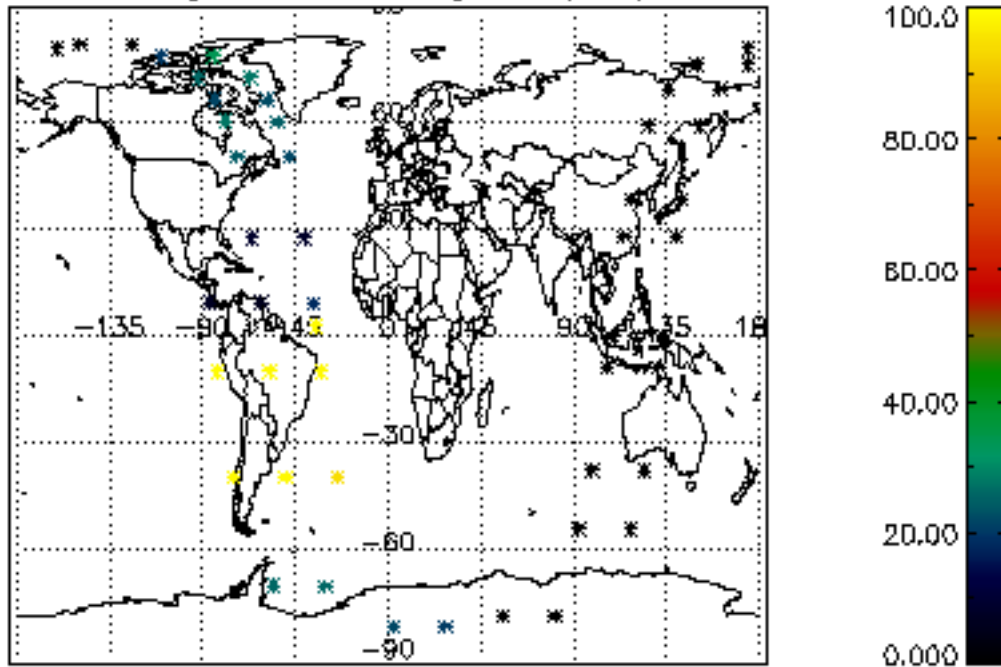




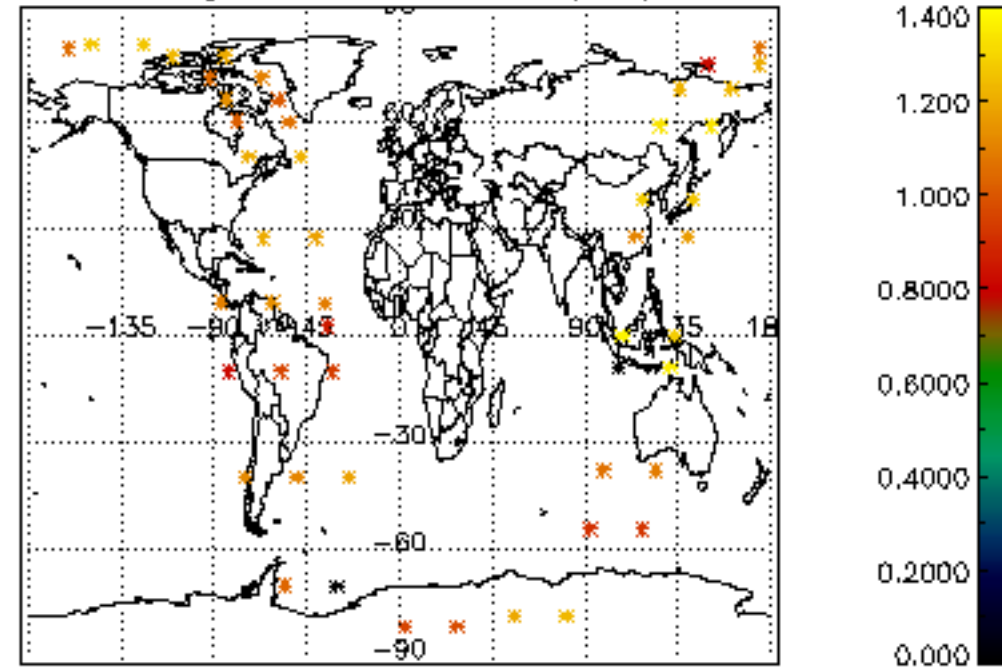




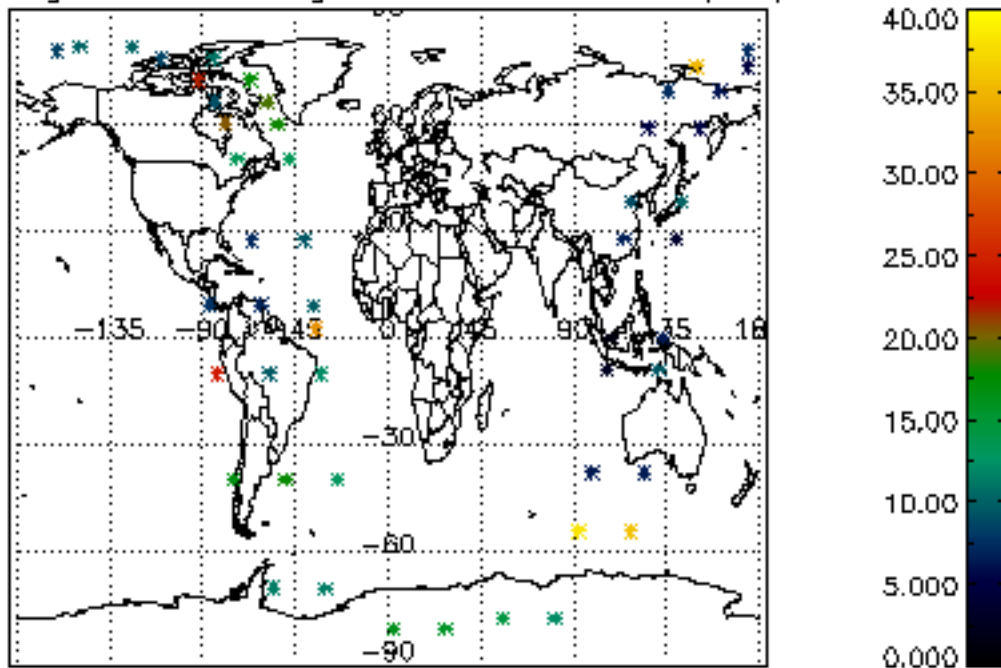
Percentage of cosmic ray hits per profile



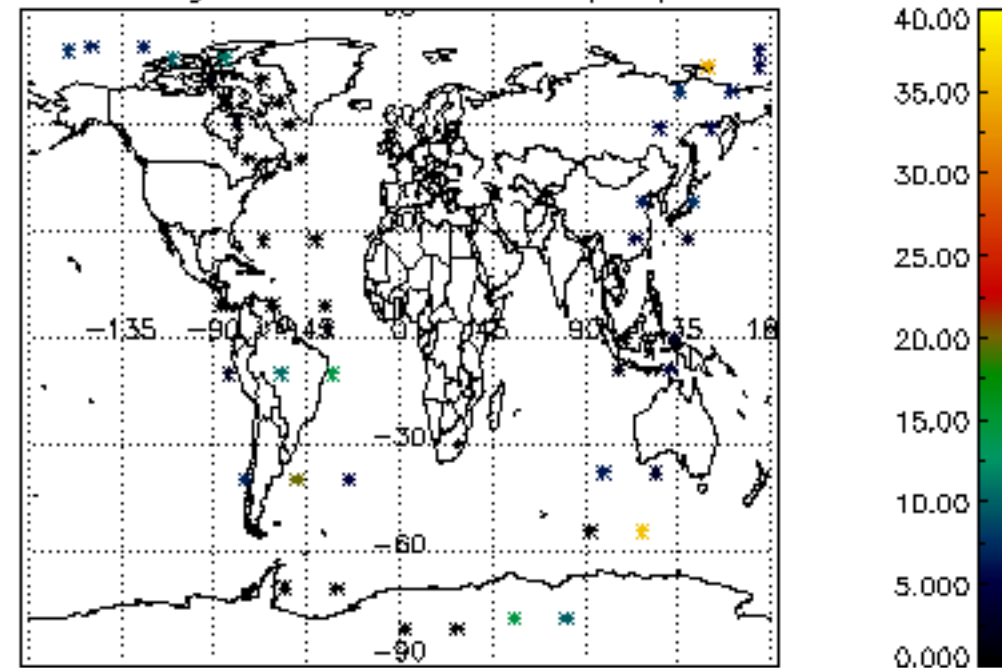
Percentage of datation errors per profile



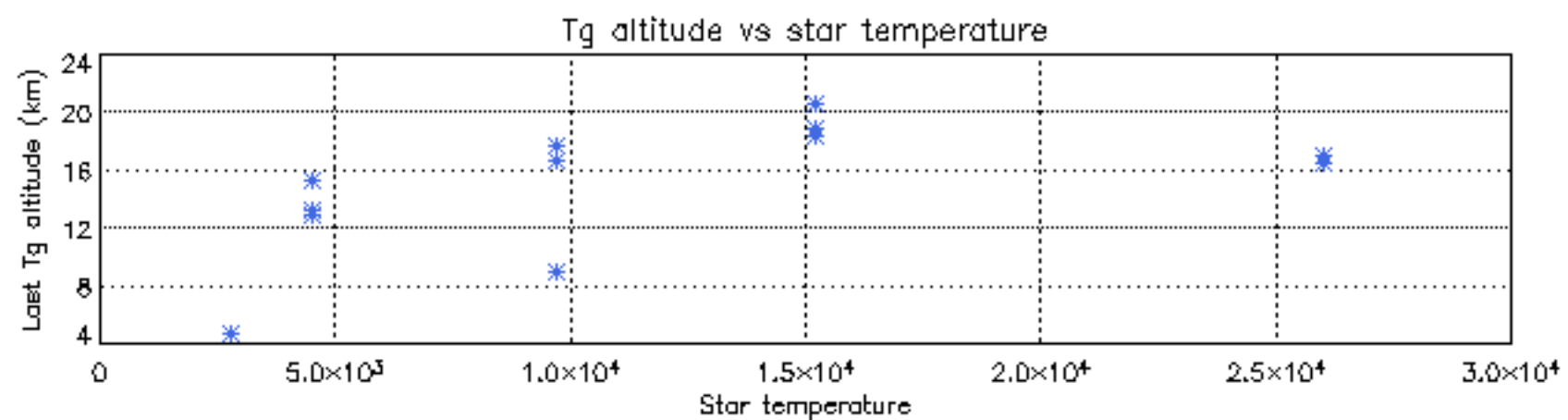
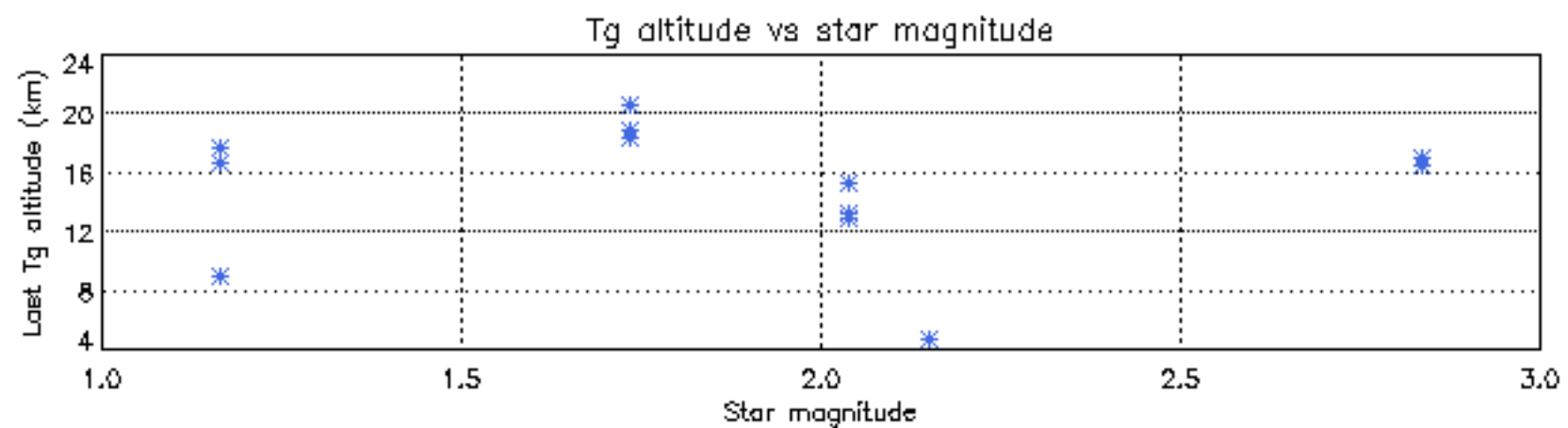
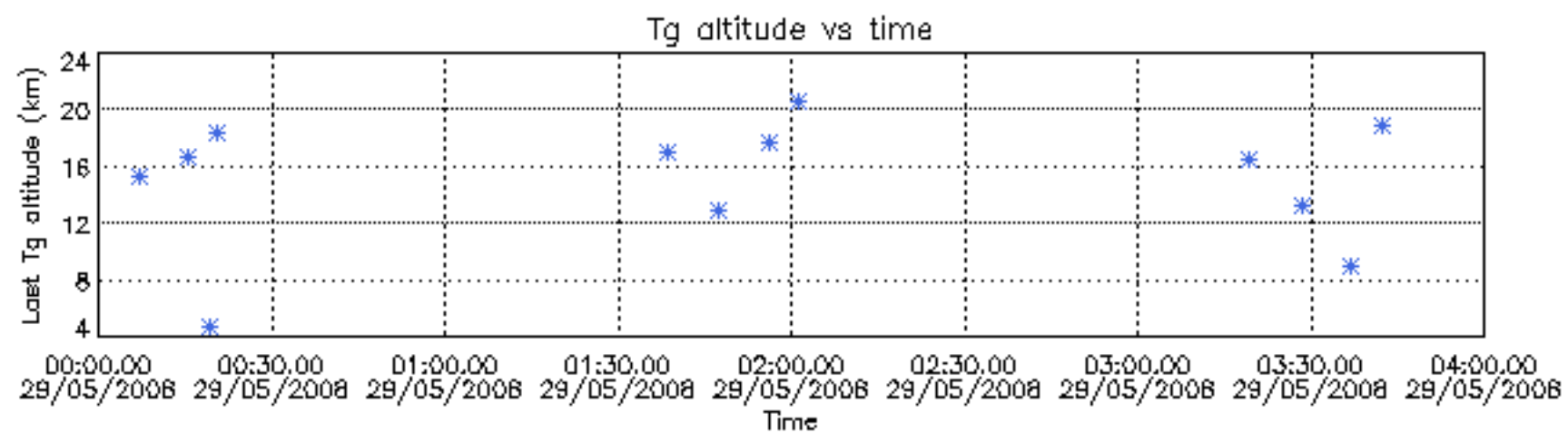
Percentage of star falling outside central band per profile



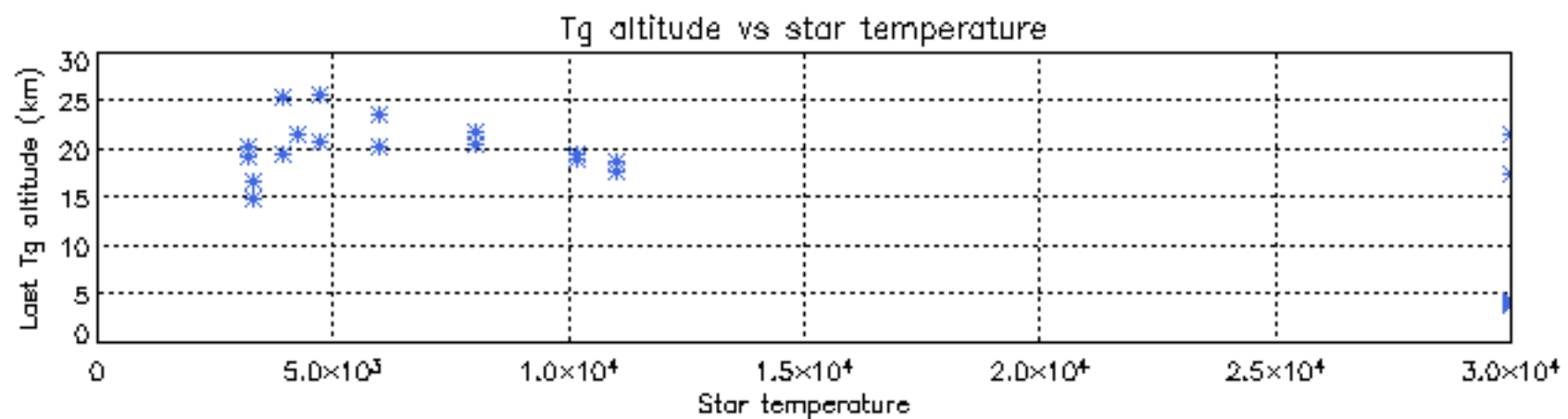
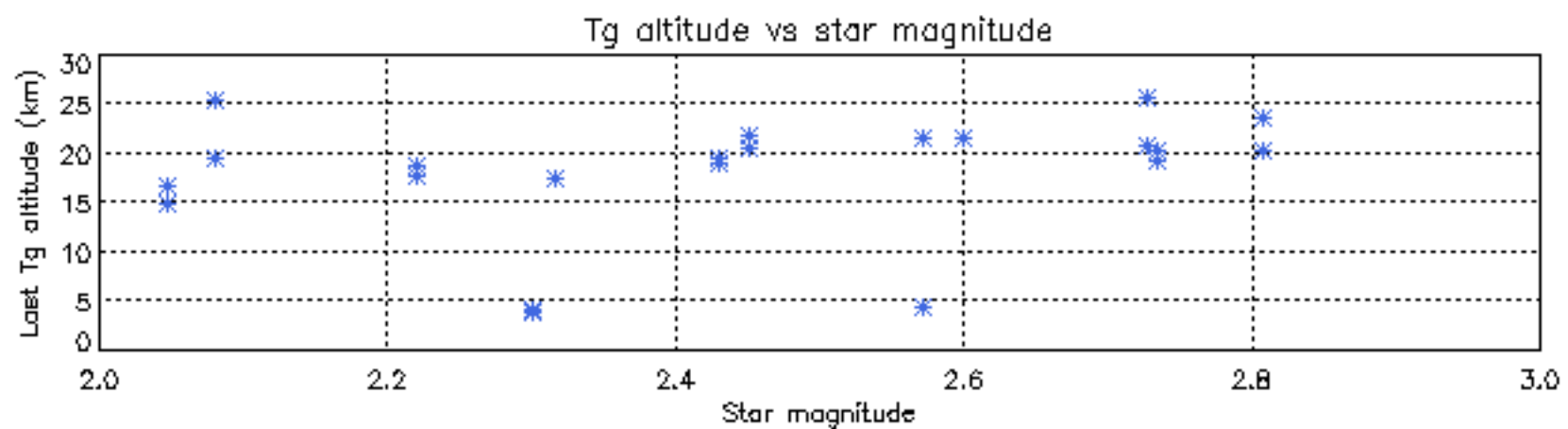
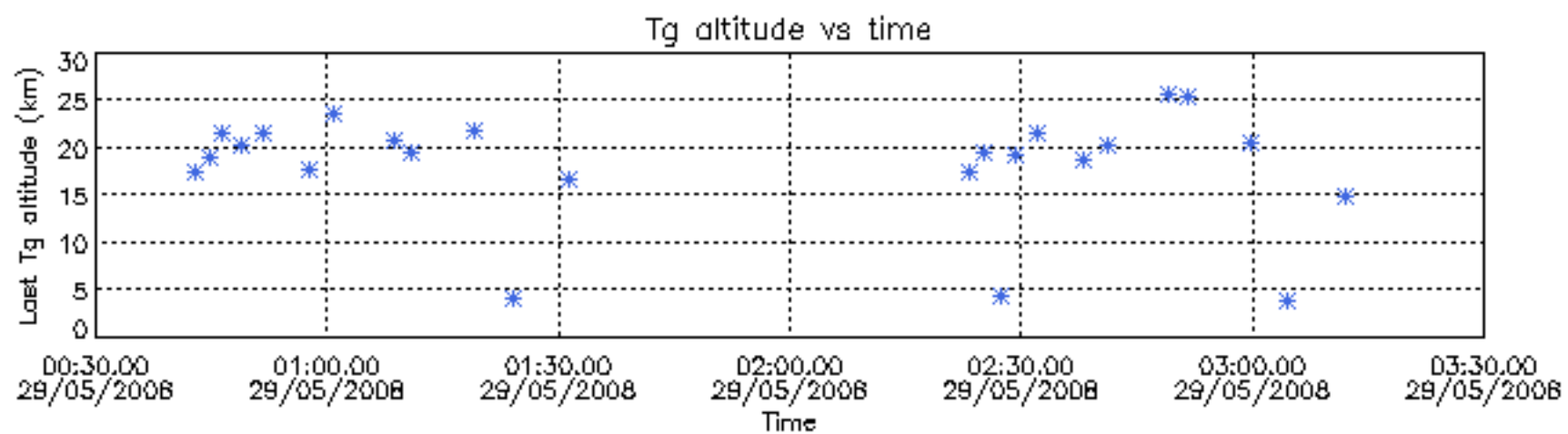
Percentage of saturation errors per profile

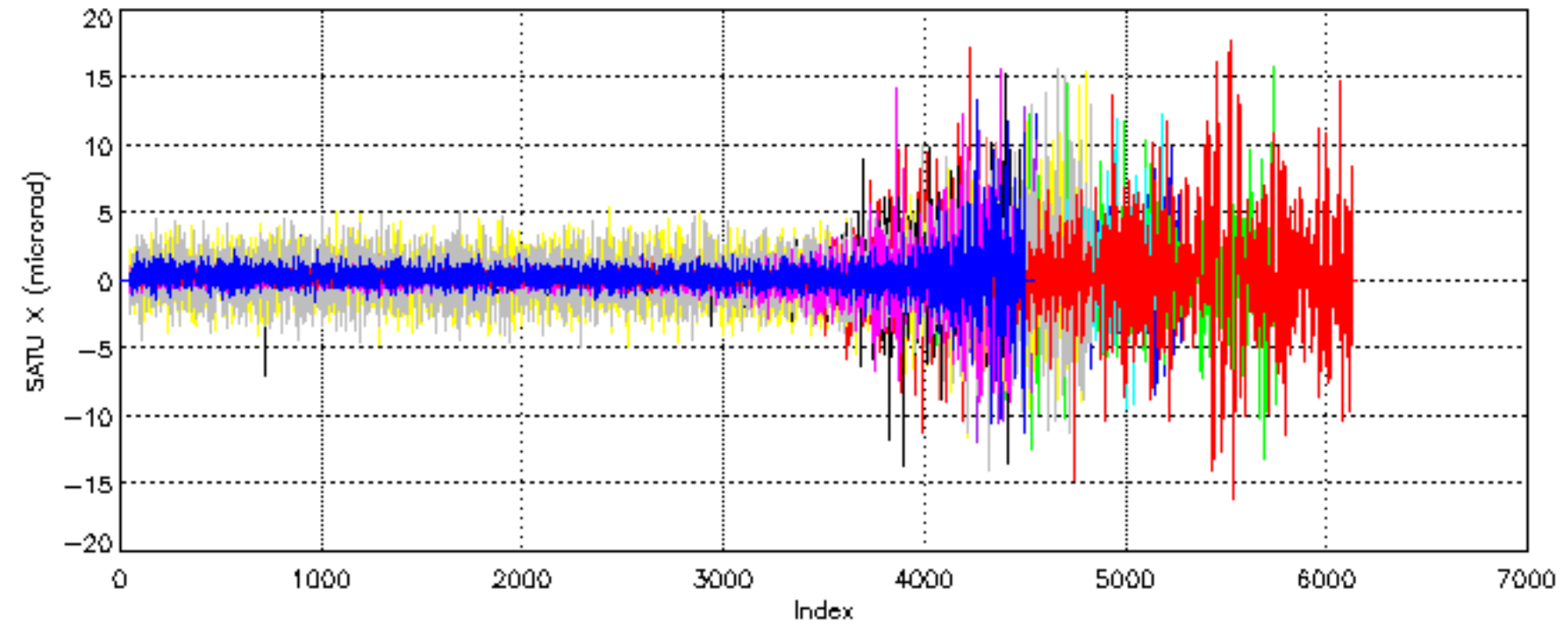


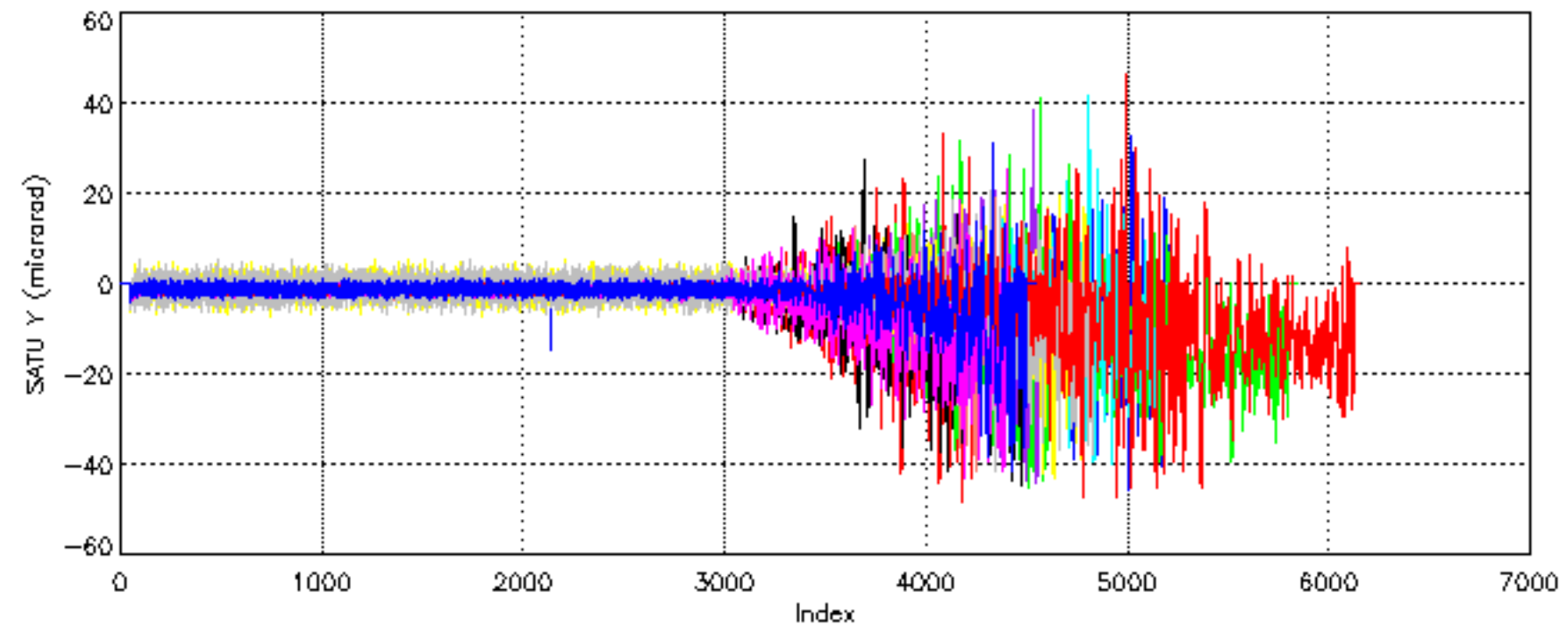
Tangent altitude at which the star is lost

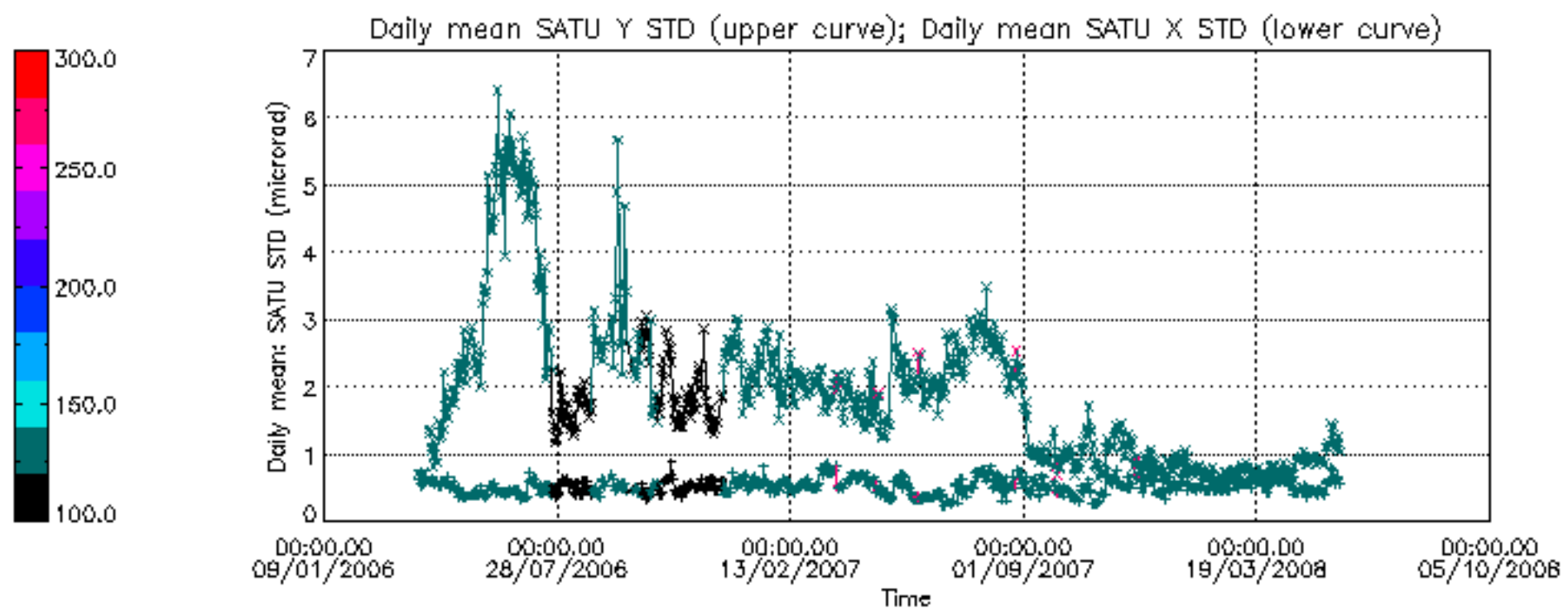


Tangent altitude at which the star is lost









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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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 3; -791.5; 01-MAY-2008 03:05:20; Dark ; 41.5; 52; 16Bet Cet ; 2.04; 4500;occ; 83; 0;32250
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 7; 579.7; 01-MAY-2008 03:28:11; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;32251
 8; 711.5; 01-MAY-2008 03:30:23; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32251
 9; 834.4; 01-MAY-2008 03:32:25; Dark ; 44.5; 4; Alp1Cen ; -0.01; 5800;occ; 89; 0;32251
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 11; 1000.2; 01-MAY-2008 03:35:11; Dark ; 36.5; 77; Eps Cen ; 2.30; 28000;occ; 73; 0;32251
 12; 1107.6; 01-MAY-2008 03:36:59; Dark ; 38.5; 64; Gam Cen ; 2.20; 10600;occ; 77; 0;32251
 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
 15; 1713.1; 01-MAY-2008 03:47:04; Bright; 37.5; 15; 67Alp Vir ; 0.98; 28000;occ; 75; 0;32251
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 17; 2096.2; 01-MAY-2008 03:53:27; Bright; 52.0; 138; 47Eps Vir ; 2.83; 4700;occ; 104; 0;32251
 18; 2204.8; 01-MAY-2008 03:55:16; Bright; 35.0; 62; 94Bet Leo ; 2.14; 9700;occ; 70; 0;32251
 19; 2559.8; 01-MAY-2008 04:01:11; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 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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 3; -791.3; 01-MAY-2008 04:45:56; Dark ; 43.0; 52; 16Bet Cet ; 2.04; 4500;occ; 86; 0;32251
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 5; -362.6; 01-MAY-2008 04:53:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32251
 6; -143.4; 01-MAY-2008 04:56:44; Dark ; 40.5; 31; Alp Gru ; 1.73; 15200;occ; 81; 0;32251
 7; 580.1; 01-MAY-2008 05:08:47; Dark ; 40.5; 43; Alp TrA ; 1.91; 4250;occ; 81; 0;32252
 8; 711.8; 01-MAY-2008 05:10:59; Dark ; 36.5; 134; Bet TrA ; 2.81; 6600;occ; 73; 0;32252
 9; 834.7; 01-MAY-2008 05:13:02; Dark ; 42.5; 4; Alp1Cen ; -0.01; 5800;occ; 85; 0;32252
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 17; 2096.4; 01-MAY-2008 05:34:03; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;32252
 18; 2205.2; 01-MAY-2008 05:35:52; Bright; 39.0; 62; 94Bet Leo ; 2.14; 9700;occ; 78; 0;32252
 19; 2559.7; 01-MAY-2008 05:41:47; Bright; 34.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 68; 0;32252

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21; 2834.3; 01-MAY-2008 05:46:21; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;32252
22; 2919.4; 01-MAY-2008 05:47:46; Bright; 36.5; 82; 48Bet UMa ; 2.37; 10600;occ; 73; 0;32252
23; 2998.0; 01-MAY-2008 05:49:05; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;32252
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
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 4; 1002.1; 01-MAY-2008 20:21:13; Dark ; 36.5; 77; Eps Cen ; 2.30; 28000;occ; 73; 0;32261
 5; 1108.7; 01-MAY-2008 20:22:59; Dark ; 39.5; 64; Gam Cen ; 2.20; 10600;occ; 79; 0;32261
 6; 1259.9; 01-MAY-2008 20:25:31; Dark ; 41.5; 54; 5The Cen ; 2.06; 4500;occ; 83; 0;32261
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10; 2097.0; 01-MAY-2008 20:39:28; Bright; 35.0; 138; 47Eps Vir ; 2.83; 4700;occ; 70; 0;32261
11; 2208.0; 01-MAY-2008 20:41:19; Bright; 37.0; 62; 94Bet Leo ; 2.14; 9700;occ; 74; 0;32261
12; 2559.8; 01-MAY-2008 20:47:10; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;32261
13; 2734.1; 01-MAY-2008 20:50:05; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;32261
14; 2835.7; 01-MAY-2008 20:51:46; Bright; 45.0; 87; 64Gam UMa ; 2.43; 11000;occ; 90; 0;32261
15; 2921.9; 01-MAY-2008 20:53:13; Bright; 36.5; 82; 48Bet UMa ; 2.37; 10600;occ; 73; 0;32261
16; 3000.1; 01-MAY-2008 20:54:31; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;32261
17; 3444.9; 01-MAY-2008 21:01:56; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;32261
18; 3920.6; 01-MAY-2008 21:09:51; Bright; 32.0; 110; 37Del Cas ; 2.68; 8900;occ; 64; 0;32261
19; 4002.1; 01-MAY-2008 21:11:13; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;32261
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 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
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 6; 16.0; 01-MAY-2008 21:45:22; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;32262
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 8; 715.5; 01-MAY-2008 21:57:02; Dark ; 41.0; 134; Bet TrA ; 2.81; 6600;occ; 82; 0;32262
 9; 837.3; 01-MAY-2008 21:59:04; Dark ; 48.0; 4; Alp1Cen ;-0.01; 5800;occ; 96; 0;32262
10; 926.8; 01-MAY-2008 22:00:33; Dark ; 38.0; 20; Bet Cru ; 1.25; 30000;occ; 76; 0;32262
11; 1002.3; 01-MAY-2008 22:01:49; Dark ; 37.5; 77; Eps Cen ; 2.30; 28000;occ; 75; 0;32262
12; 1108.9; 01-MAY-2008 22:03:35; Dark ; 39.5; 64; Gam Cen ; 2.20; 10600;occ; 79; 0;32262
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22; 2922.2; 01-MAY-2008 22:33:49; Bright; 35.5; 82; 48Bet UMa ; 2.37; 10600;occ; 71; 0;32262
23; 3000.3; 01-MAY-2008 22:35:07; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;32262
24; 3444.9; 01-MAY-2008 22:42:31; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32262
25; 3920.9; 01-MAY-2008 22:50:27; Bright; 37.0; 110; 37Del Cas ; 2.68; 8900;occ; 74; 0;32262
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 22; 6657.2; 09-MAY-2008 16:01:56; Dark ; 40.5; 43; Alp TrA ; 1.91; 4250;occ; 81; 0;32372
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 7; 309.5; 13-MAY-2008 22:13:17; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32434
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 21; 3052.0; 13-MAY-2008 22:58:59; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;32434
 22; 3186.6; 13-MAY-2008 23:01:14; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;32434
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22; 3186.5; 14-MAY-2008 00:41:49; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;32435
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13; 768.8; 13-MAY-2008 07:15:32; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;32425
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17; 1294.6; 13-MAY-2008 07:24:18; Dark ; 43.5; 54; 5The Cen ; 2.06; 4500;occ; 87; 0;32425
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4; 2574.6; 13-MAY-2008 07:45:38; Bright; 34.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 68; 0;32425
5; 2746.5; 13-MAY-2008 07:48:30; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;32425
6; 2840.6; 13-MAY-2008 07:50:04; Bright; 35.0; 55; 79Zet UMa ; 2.06; 10200;occ; 70; 0;32425
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6; 2840.5; 13-MAY-2008 09:30:40; Bright; 36.0; 55; 79Zet UMa ; 2.06; 10200;occ; 72; 0;32426
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 24; 7217.6; 14-MAY-2008 11:52:36; Dark ; 37.5; 81; Eta Cen ; 2.36; 28000;occ; 75; 0;32441
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 6; 2745.8; 14-MAY-2008 12:18:40; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;32442
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 9; 3185.6; 14-MAY-2008 12:26:00; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32442
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 13; 4759.3; 14-MAY-2008 12:52:14; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;32442
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 4; 2222.2; 14-MAY-2008 13:50:33; Bright; 34.0; 111; 8Eta Boo ; 2.68; 6000;occ; 68; 0;32443
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 12; 4011.7; 15-MAY-2008 17:09:57; Bright; 34.0; 68; 18Alp Cas ; 2.22; 4500;occ; 68; 0;32459
 13; 4764.3; 15-MAY-2008 17:22:30; Dark ; 38.0; 140; 88Gam Peg ; 2.83; 26000;occ; 76; 0;32459
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 21; 6814.7; 15-MAY-2008 17:56:40; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;32459
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 23; 7131.1; 15-MAY-2008 18:01:56; Dark ; 35.5; 78; Alp Lup ; 2.30; 28000;occ; 71; 0;32459

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 19; 6136.6; 15-MAY-2008 19:25:58; Dark ; 40.0; 148; Alp Tuc ; 2.88; 4100;occ; 80; 0;32460
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 22; 6814.8; 15-MAY-2008 19:37:16; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32460
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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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 5; 102.5; 16-MAY-2008 02:08:23; Dark ; 38.5; 148; Alp Tuc ; 2.88; 4100;occ; 77; 0;32465

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8; 780.0; 16-MAY-2008 02:19:41; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;32465
9; 881.2; 16-MAY-2008 02:21:22; Dark ; 47.5; 4; Alp1Cen ;-0.01; 5800;occ; 95; 0;32465
10; 1096.2; 16-MAY-2008 02:24:57; Dark ; 39.0; 78; Alp Lup ; 2.30; 28000;occ; 78; 0;32465
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 3; 2223.5; 16-MAY-2008 07:45:32; Bright; 34.0; 111; 8Eta Boo ; 2.68; 6000;occ; 68; 0;32468
 4; 2569.7; 16-MAY-2008 07:51:18; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;32468
 5; 2745.5; 16-MAY-2008 07:54:14; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;32468
 6; 2842.5; 16-MAY-2008 07:55:51; Bright; 35.5; 55; 79Zet UMa ; 2.06; 10200;occ; 71; 0;32468
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10; 4011.7; 16-MAY-2008 09:55:56; Bright; 41.0; 68; 18Alp Cas ; 2.22; 4500;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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 23; 6383.6; 17-MAY-2008 16:46:15; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 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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 22; 5812.4; 17-MAY-2008 19:57:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32489
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21;	2375.5;	19-MAY-2008	04:32:37;	Bright;		36.5;	83;		;	2.38;	11000;occ;	73;	0;	32509
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23;	2746.2;	19-MAY-2008	04:38:48;	Bright;		34.5;	39;	85Eta UMa	;	1.85;	24000;occ;	69;	0;	32509
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18;	2234.9;	19-MAY-2008	06:10:53;	Bright;		35.0;	3;	16Alp Boo	;	-0.05;	4250;occ;	70;	0;	32510
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 3; 2235.0; 19-MAY-2008 07:51:29; Bright; 36.0; 3; 16Alp Boo ; -0.05; 4250;occ; 72; 0;32511
 4; 2375.2; 19-MAY-2008 07:53:49; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32511
 5; 2564.2; 19-MAY-2008 07:56:58; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;32511
 6; 2746.3; 19-MAY-2008 08:00:00; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;32511
 7; 3068.9; 19-MAY-2008 08:05:23; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32511
 8; 3177.6; 19-MAY-2008 08:07:11; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;32511
 9; 3446.6; 19-MAY-2008 08:11:40; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32511
10; 3938.1; 19-MAY-2008 08:19:52; Bright; 44.0; 76; 27Gam Cas ; 2.30; 30000;occ; 88; 0;32511
11; 4011.2; 19-MAY-2008 08:21:05; Bright; 54.0; 68; 18Alp Cas ; 2.22; 4500;occ; 108; 0;32511
12; 4523.7; 19-MAY-2008 08:29:37; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;32511
13; 4780.5; 19-MAY-2008 08:33:54; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;32511
14; 5306.3; 19-MAY-2008 08:42:40; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;32511
15; 5725.0; 19-MAY-2008 08:49:39; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;32511
16; 5823.0; 19-MAY-2008 08:51:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32511
17; 5976.2; 19-MAY-2008 08:53:50; Dark ; 46.0; 63; Bet Gru ; 2.15; 2800;occ; 92; 0;32511
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19; 6400.4; 19-MAY-2008 09:00:54; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;32511
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22; 7092.6; 19-MAY-2008 09:12:26; Dark ; 47.5; 25; 35Lam Sco ; 1.62; 28000;occ; 95; 0;32511
23; 7224.0; 19-MAY-2008 09:14:38; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;32511
24; 7402.3; 19-MAY-2008 09:17:36; Dark ; 55.5; 16; 21Alp Sco ; 1.02; 3000;occ; 111; 0;32511
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 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
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11; 4011.1; 19-MAY-2008 10:01:41; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;32512
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
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16; 5823.5; 19-MAY-2008 10:31:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 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
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22; 7093.1; 19-MAY-2008 10:53:03; Dark ; 50.0; 25; 35Lam Sco ; 1.62; 28000;occ; 100; 0;32512
23; 7224.2; 19-MAY-2008 10:55:14; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;32512
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 4; 2374.9; 19-MAY-2008 11:15:00; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;32513
 5; 2564.0; 19-MAY-2008 11:18:10; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;32513
 6; 2746.3; 19-MAY-2008 11:21:12; Bright; 34.5; 39; 85Eta UMa ; 1.85; 24000;occ; 69; 0;32513
 7; 3177.4; 19-MAY-2008 11:28:23; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;32513
 8; 3446.4; 19-MAY-2008 11:32:52; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;32513
 9; 3938.0; 19-MAY-2008 11:41:04; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;32513
10; 4011.0; 19-MAY-2008 11:42:17; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;32513
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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 3; 2034.2; 19-MAY-2008 12:49:56; Bright; 42.0; 102; 24Alp Ser ; 2.60; 4250;occ; 84; 0;32514
 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
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 12; 4011.1; 19-MAY-2008 13:22:53; Bright; 34.0; 68; 18Alp Cas ; 2.22; 4500;occ; 68; 0;32514
 13; 4524.1; 19-MAY-2008 13:31:26; Dark ; 45.5; 58; 21Alp And ; 2.07; 11000;occ; 91; 0;32514
 14; 4781.6; 19-MAY-2008 13:35:43; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;32514
 15; 5307.4; 19-MAY-2008 13:44:29; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;32514
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 17; 5824.5; 19-MAY-2008 13:53:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32514
 18; 5978.4; 19-MAY-2008 13:55:40; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;32514
 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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 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
 26; 7552.6; 19-MAY-2008 14:21:54; Bright; 1.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 3; 0;32514

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 3; 1730.7; 19-MAY-2008 14:25:28; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;32515
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 5; 2235.1; 19-MAY-2008 14:33:52; Bright; 35.0; 3; 16Alp Boo ; -0.05; 4250;occ; 70; 0;32515
 6; 2374.8; 19-MAY-2008 14:36:12; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;32515
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 8; 2746.5; 19-MAY-2008 14:42:24; Bright; 35.0; 39; 85Eta UMa ; 1.85; 24000;occ; 70; 0;32515
 9; 3067.2; 19-MAY-2008 14:47:45; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;32515
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 12; 3938.3; 19-MAY-2008 15:02:16; Bright; 44.5; 76; 27Gam Cas ; 2.30; 30000;occ; 89; 0;32515
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 19; 5979.2; 19-MAY-2008 15:36:17; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;32515
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 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
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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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 14; 1192.6; 20-MAY-2008 03:41:17; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;32523
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3; 2236.3; 21-MAY-2008 10:09:28; Bright; 38.0; 3; 16Alp Boo ; -0.05; 4250;occ; 76; 0;32541
4; 2372.1; 21-MAY-2008 10:11:44; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;32541
5; 2561.6; 21-MAY-2008 10:14:53; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;32541
6; 3056.3; 21-MAY-2008 10:23:08; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;32541
7; 3174.6; 21-MAY-2008 10:25:06; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;32541
8; 3446.6; 21-MAY-2008 10:29:38; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;32541
9; 3937.8; 21-MAY-2008 10:37:49; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32541
10; 4010.3; 21-MAY-2008 10:39:02; Bright; 42.5; 68; 18Alp Cas ; 2.22; 4500;occ; 85; 0;32541
11; 4528.6; 21-MAY-2008 10:47:40; Dark ; 44.5; 58; 21Alp And ; 2.07; 11000;occ; 89; 0;32541
12; 4790.7; 21-MAY-2008 10:52:02; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;32541
13; 5317.9; 21-MAY-2008 11:00:50; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32541
14; 5838.2; 21-MAY-2008 11:09:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32541
15; 5997.4; 21-MAY-2008 11:12:09; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;32541
16; 6095.4; 21-MAY-2008 11:13:47; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;32541
17; 6421.6; 21-MAY-2008 11:19:13; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;32541

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19; 6998.5; 21-MAY-2008 11:28:50; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;32541
20; 7109.6; 21-MAY-2008 11:30:41; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;32541
21; 7235.9; 21-MAY-2008 11:32:48; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;32541
22; 7410.5; 21-MAY-2008 11:35:42; Dark ; 51.0; 16; 21Alp Sco ; 1.02; 3000;occ; 102; 0;32541
23; 7556.9; 21-MAY-2008 11:38:09; Bright; 42.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 85; 0;32541
24; 7663.3; 21-MAY-2008 11:39:55; Bright; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;32541
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 4; 2236.4; 21-MAY-2008 11:50:04; Bright; 36.0; 3; 16Alp Boo ; -0.05; 4250;occ; 72; 0;32542
 5; 2372.0; 21-MAY-2008 11:52:20; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;32542
 6; 2561.7; 21-MAY-2008 11:55:29; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;32542
 7; 3056.0; 21-MAY-2008 12:03:43; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;32542
 8; 3174.5; 21-MAY-2008 12:05:42; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;32542
 9; 3446.7; 21-MAY-2008 12:10:14; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;32542
10; 3937.7; 21-MAY-2008 12:18:25; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;32542
11; 4010.2; 21-MAY-2008 12:19:38; Bright; 34.0; 68; 18Alp Cas ; 2.22; 4500;occ; 68; 0;32542
12; 4528.8; 21-MAY-2008 12:28:16; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;32542
13; 4791.2; 21-MAY-2008 12:32:39; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;32542
14; 5318.4; 21-MAY-2008 12:41:26; Dark ; 42.5; 52; 16Bet Cet ; 2.04; 4500;occ; 85; 0;32542
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16; 5998.1; 21-MAY-2008 12:52:46; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;32542
17; 6096.3; 21-MAY-2008 12:54:24; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;32542
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21; 7110.2; 21-MAY-2008 13:11:18; Dark ; 52.0; 25; 35Lam Sco ; 1.62; 28000;occ; 104; 0;32542
22; 7236.4; 21-MAY-2008 13:13:24; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;32542
23; 7410.8; 21-MAY-2008 13:16:18; Dark ; 55.5; 16; 21Alp Sco ; 1.02; 3000;occ; 111; 0;32542
24; 7557.1; 21-MAY-2008 13:18:45; Bright; 42.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 85; 0;32542
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 3; 1202.0; 21-MAY-2008 19:55:49; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;32547
 4; 1376.0; 21-MAY-2008 19:58:43; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;32547
 5; 1521.8; 21-MAY-2008 20:01:09; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;32547
 6; 1628.1; 21-MAY-2008 20:02:55; Bright; 37.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 74; 0;32547
 7; 1733.0; 21-MAY-2008 20:04:40; Bright; 36.5; 104; 27Bet Lib ; 2.61; 13100;occ; 73; 0;32547
 8; 1842.6; 21-MAY-2008 20:06:30; Bright; 27.0; 120; 1Del Oph ; 2.73; 3200;occ; 54; 0;32547
 9; 2028.0; 21-MAY-2008 20:09:35; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;32547
10; 2236.6; 21-MAY-2008 20:13:04; Bright; 36.0; 3; 16Alp Boo ; -0.05; 4250;occ; 72; 0;32547
11; 2371.5; 21-MAY-2008 20:15:19; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32547
12; 2561.2; 21-MAY-2008 20:18:29; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;32547
13; 3053.8; 21-MAY-2008 20:26:41; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;32547
14; 3174.0; 21-MAY-2008 20:28:41; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32547
15; 3446.6; 21-MAY-2008 20:33:14; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32547
16; 3937.5; 21-MAY-2008 20:41:25; Bright; 51.5; 76; 27Gam Cas ; 2.30; 30000;occ; 103; 0;32547
17; 4010.0; 21-MAY-2008 20:42:37; Bright; 37.5; 68; 18Alp Cas ; 2.22; 4500;occ; 75; 0;32547
18; 4529.6; 21-MAY-2008 20:51:17; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;32547
19; 4792.8; 21-MAY-2008 20:55:40; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;32547
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 4; 50.0; 21-MAY-2008 21:17:13; Dark ; 48.5; 172; Gam Gru ; 3.00; 13100;occ; 97; 0;32548
 5; 144.3; 21-MAY-2008 21:18:47; Dark ; 41.0; 148; Alp Tuc ; 2.88; 4100;occ; 82; 0;32548
 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
 8; 965.9; 21-MAY-2008 21:32:29; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;32548
 9; 1076.9; 21-MAY-2008 21:34:20; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;32548
10; 1202.4; 21-MAY-2008 21:36:26; Dark ; 53.0; 75; 26Eps Sco ; 2.29; 4250;occ; 106; 0;32548
11; 1376.2; 21-MAY-2008 21:39:19; Dark ; 57.5; 16; 21Alp Sco ; 1.02; 3000;occ; 115; 0;32548
12; 1521.9; 21-MAY-2008 21:41:45; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;32548
13; 1628.3; 21-MAY-2008 21:43:31; Bright; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;32548
14; 1733.2; 21-MAY-2008 21:45:16; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;32548

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 16; 2027.8; 21-MAY-2008 21:50:11; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;32548
 17; 2236.6; 21-MAY-2008 21:53:40; Bright; 37.5; 3; 16Alp Boo ;-0.05; 4250;occ; 75; 0;32548
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 21; 3173.9; 21-MAY-2008 22:09:17; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32548
 22; 3446.5; 21-MAY-2008 22:13:50; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32548
 23; 3937.5; 21-MAY-2008 22:22:01; Bright; 46.0; 76; 27Gam Cas ; 2.30; 30000;occ; 92; 0;32548
 24; 4010.0; 21-MAY-2008 22:23:13; Bright; 37.5; 68; 18Alp Cas ; 2.22; 4500;occ; 75; 0;32548
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 26; 4793.2; 21-MAY-2008 22:36:16; Dark ; 42.5; 140; 88Gam Peg ; 2.83; 26000;occ; 85; 0;32548
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 3; 51.0; 21-MAY-2008 22:57:50; Dark ; 47.5; 172; Gam Gru ; 3.00; 13100;occ; 95; 0;32549
 4; 144.7; 21-MAY-2008 22:59:24; Dark ; 41.0; 148; Alp Tuc ; 2.88; 4100;occ; 82; 0;32549
 5; 390.6; 21-MAY-2008 23:03:30; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32549
 6; 801.8; 21-MAY-2008 23:10:21; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;32549
 7; 966.4; 21-MAY-2008 23:13:05; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;32549
 8; 1077.4; 21-MAY-2008 23:14:57; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;32549
 9; 1202.8; 21-MAY-2008 23:17:02; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;32549
 10; 1376.5; 21-MAY-2008 23:19:56; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;32549
 11; 1522.1; 21-MAY-2008 23:22:21; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;32549
 12; 1628.4; 21-MAY-2008 23:24:07; Bright; 37.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 74; 0;32549
 13; 1733.1; 21-MAY-2008 23:25:52; Bright; 36.5; 104; 27Bet Lib ; 2.61; 13100;occ; 73; 0;32549
 14; 1842.3; 21-MAY-2008 23:27:41; Bright; 34.0; 120; 1Del Oph ; 2.73; 3200;occ; 68; 0;32549
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 16; 2236.7; 21-MAY-2008 23:34:16; Bright; 35.5; 3; 16Alp Boo ;-0.05; 4250;occ; 71; 0;32549
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 18; 2561.1; 21-MAY-2008 23:39:40; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;32549
 19; 3053.0; 21-MAY-2008 23:47:52; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32549
 20; 3173.8; 21-MAY-2008 23:49:53; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;32549
 21; 3446.5; 21-MAY-2008 23:54:26; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;32549
 22; 3937.6; 22-MAY-2008 00:02:37; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;32549
 23; 4009.9; 22-MAY-2008 00:03:49; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;32549
 24; 4529.9; 22-MAY-2008 00:12:29; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;32549
 25; 4793.4; 22-MAY-2008 00:16:52; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;32549
 26; 5321.2; 22-MAY-2008 00:25:40; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;32549

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 3; 2028.8; 21-MAY-2008 13:27:12; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;32543
 4; 2236.5; 21-MAY-2008 13:30:40; Bright; 34.5; 3; 16Alp Boo ;-0.05; 4250;occ; 69; 0;32543
 5; 2372.0; 21-MAY-2008 13:32:55; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;32543
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 7; 3055.7; 21-MAY-2008 13:44:19; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32543
 8; 3174.5; 21-MAY-2008 13:46:18; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;32543
 9; 3446.7; 21-MAY-2008 13:50:50; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;32543
 10; 3937.8; 21-MAY-2008 13:59:01; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32543
 11; 4010.2; 21-MAY-2008 14:00:14; Bright; 54.0; 68; 18Alp Cas ; 2.22; 4500;occ; 108; 0;32543
 12; 4529.1; 21-MAY-2008 14:08:52; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;32543
 13; 4791.4; 21-MAY-2008 14:13:15; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;32543
 14; 5318.9; 21-MAY-2008 14:22:02; Dark ; 43.5; 52; 16Bet Cet ; 2.04; 4500;occ; 87; 0;32543
 15; 5839.2; 21-MAY-2008 14:30:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32543
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 19; 6835.6; 21-MAY-2008 14:47:19; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;32543
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 22; 7236.9; 21-MAY-2008 14:54:00; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;32543
 23; 7411.2; 21-MAY-2008 14:56:55; Dark ; 44.5; 16; 21Alp Sco ; 1.02; 3000;occ; 109; 0;32543

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 2; 1627.8; 21-MAY-2008 15:01:07; Bright; 35.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 71; 0;32544
 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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5; 2236.5; 21-MAY-2008 15:11:16; Bright; 35.0; 3; 16Alp Boo ;-0.05; 4250;occ; 70; 0;32544
6; 2372.0; 21-MAY-2008 15:13:31; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32544
7; 2561.7; 21-MAY-2008 15:16:41; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;32544
8; 3055.3; 21-MAY-2008 15:24:55; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32544
9; 3174.4; 21-MAY-2008 15:26:54; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;32544
10; 3446.7; 21-MAY-2008 15:31:26; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;32544
11; 3937.7; 21-MAY-2008 15:39:37; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32544
12; 4010.2; 21-MAY-2008 15:40:50; Bright; 42.0; 68; 18Alp Cas ; 2.22; 4500;occ; 84; 0;32544
13; 4529.3; 21-MAY-2008 15:49:29; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;32544
14; 4791.8; 21-MAY-2008 15:53:51; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;32544
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 7; -29.7; 22-MAY-2008 07:19:29; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;32553
 8; 57.0; 22-MAY-2008 07:20:56; Dark ; 50.0; 172; Gam Gru ; 3.00; 13100;occ; 100; 0;32554
 9; 147.6; 22-MAY-2008 07:22:26; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;32554
10; 394.3; 22-MAY-2008 07:26:33; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;32554
11; 804.3; 22-MAY-2008 07:33:23; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;32554
12; 969.3; 22-MAY-2008 07:36:08; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;32554
13; 1080.3; 22-MAY-2008 07:37:59; Dark ; 50.5; 25; 35Lam Sco ; 1.62; 28000;occ; 101; 0;32554
14; 1204.9; 22-MAY-2008 07:40:04; Dark ; 45.0; 75; 26Eps Sco ; 2.29; 4250;occ; 90; 0;32554
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 5; 2371.2; 22-MAY-2008 07:59:30; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32554
 6; 2561.1; 22-MAY-2008 08:02:40; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;32554
 7; 3051.1; 22-MAY-2008 08:10:50; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32554
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11; 4009.9; 22-MAY-2008 08:26:49; Bright; 42.0; 68; 18Alp Cas ; 2.22; 4500;occ; 84; 0;32554
12; 4530.9; 22-MAY-2008 08:35:30; Dark ; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;32554
13; 4795.6; 22-MAY-2008 08:39:54; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;32554
14; 5323.4; 22-MAY-2008 08:48:42; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32554

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 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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 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
 24; 7414.1; 22-MAY-2008 09:23:33; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;32554
 25; 7559.2; 22-MAY-2008 09:25:58; Bright; 39.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 78; 0;32554
 26; 7665.3; 22-MAY-2008 09:27:44; Bright; 36.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 73; 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
 5; 2371.2; 22-MAY-2008 09:40:06; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32555
 6; 2561.0; 22-MAY-2008 09:43:16; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;32555
 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
 9; 3446.7; 22-MAY-2008 09:58:01; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;32555
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 12; 4531.1; 22-MAY-2008 10:16:06; Dark ; 45.5; 58; 21Alp And ; 2.07; 11000;occ; 91; 0;32555
 13; 4795.8; 22-MAY-2008 10:20:30; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;32555
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 22; 7117.4; 22-MAY-2008 10:59:12; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;32555
 23; 7241.5; 22-MAY-2008 11:01:16; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;32555
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 4; 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
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 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
 13; 4796.1; 22-MAY-2008 12:01:07; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;32556
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 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
 25; 7559.3; 22-MAY-2008 12:47:10; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 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
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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; 1085.5; 23-MAY-2008 00:24:03; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;32564
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21; 3446.7; 23-MAY-2008 01:03:25; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;32564
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26; 4798.9; 23-MAY-2008 01:25:57; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;32564
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 2; 1733.7; 22-MAY-2008 12:50:40; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;32557
 3; 1841.7; 22-MAY-2008 12:52:28; Bright; 44.0; 120; 1Del Oph ; 2.73; 3200;occ; 88; 0;32557
 4; 2026.5; 22-MAY-2008 12:55:33; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32557
 5; 2237.5; 22-MAY-2008 12:59:04; Bright; 34.5; 3; 16Alp Boo ; -0.05; 4250;occ; 69; 0;32557
 6; 2371.0; 22-MAY-2008 13:01:17; Bright; 34.5; 83; ; 2.38; 11000;occ; 69; 0;32557
 7; 2560.9; 22-MAY-2008 13:04:27; Bright; 33.5; 180; 27Gam Boo ; 3.04; 8000;occ; 67; 0;32557
 8; 3050.0; 22-MAY-2008 13:12:36; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32557
 9; 3173.3; 22-MAY-2008 13:14:40; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32557
10; 3446.8; 22-MAY-2008 13:19:13; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;32557
11; 3937.5; 22-MAY-2008 13:27:24; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;32557
12; 4009.7; 22-MAY-2008 13:28:36; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;32557
13; 4531.4; 22-MAY-2008 13:37:18; Dark ; 43.0; 58; 21Alp And ; 2.07; 11000;occ; 86; 0;32557
14; 4796.5; 22-MAY-2008 13:41:43; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;32557
15; 5324.7; 22-MAY-2008 13:50:31; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;32557
16; 5846.7; 22-MAY-2008 13:59:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32557
17; 6009.2; 22-MAY-2008 14:01:56; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;32557
18; 6097.6; 22-MAY-2008 14:03:24; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;32557
19; 6185.6; 22-MAY-2008 14:04:52; Dark ; 40.0; 148; Alp Tuc ; 2.88; 4100;occ; 80; 0;32557
20; 6433.0; 22-MAY-2008 14:08:59; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;32557
21; 6842.0; 22-MAY-2008 14:15:48; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;32557
22; 7007.5; 22-MAY-2008 14:18:34; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;32557
23; 7118.3; 22-MAY-2008 14:20:25; Dark ; 47.0; 25; 35Lam Sco ; 1.62; 28000;occ; 94; 0;32557
24; 7242.3; 22-MAY-2008 14:22:29; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;32557
25; 7414.9; 22-MAY-2008 14:25:21; Dark ; 57.0; 16; 21Alp Sco ; 1.02; 3000;occ; 114; 0;32557
26; 7559.7; 22-MAY-2008 14:27:46; Bright; 4.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 9; 0;32557
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 2; 1629.8; 22-MAY-2008 14:29:32; Bright; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;32558
 3; 1734.0; 22-MAY-2008 14:31:16; Bright; 36.0; 104; 27Bet Lib ; 2.61; 13100;occ; 72; 0;32558
 4; 1841.7; 22-MAY-2008 14:33:04; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;32558
 5; 2026.5; 22-MAY-2008 14:36:09; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32558
 6; 2370.9; 22-MAY-2008 14:41:53; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32558
 7; 2560.8; 22-MAY-2008 14:45:03; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;32558
 8; 3049.6; 22-MAY-2008 14:53:12; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32558
 9; 3173.3; 22-MAY-2008 14:55:16; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32558
10; 3446.8; 22-MAY-2008 14:59:49; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32558
11; 3937.5; 22-MAY-2008 15:08:00; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32558
12; 4009.7; 22-MAY-2008 15:09:12; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;32558
13; 4531.9; 22-MAY-2008 15:17:54; Dark ; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;32558
14; 4797.1; 22-MAY-2008 15:22:19; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;32558
15; 5325.3; 22-MAY-2008 15:31:08; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32558
16; 5847.3; 22-MAY-2008 15:39:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32558
17; 6009.9; 22-MAY-2008 15:42:32; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;32558
18; 6098.8; 22-MAY-2008 15:44:01; Dark ; 39.0; 172; Gam Gru ; 3.00; 13100;occ; 78; 0;32558
19; 6186.2; 22-MAY-2008 15:45:29; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;32558
20; 6433.7; 22-MAY-2008 15:49:36; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32558
21; 6842.5; 22-MAY-2008 15:56:25; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;32558
22; 7008.1; 22-MAY-2008 15:59:10; Dark ; 44.0; 40; The Sco ; 1.86; 7100;occ; 88; 0;32558
23; 7119.0; 22-MAY-2008 16:01:01; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;32558
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 3; 1630.0; 22-MAY-2008 16:10:08; Bright; 36.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 73; 0;32559
 4; 1734.0; 22-MAY-2008 16:11:52; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32559
 5; 1841.4; 22-MAY-2008 16:13:40; Bright; 45.5; 120; 1Del Oph ; 2.73; 3200;occ; 91; 0;32559
 6; 2026.3; 22-MAY-2008 16:16:45; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32559
 7; 2370.8; 22-MAY-2008 16:22:29; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;32559
 8; 2560.8; 22-MAY-2008 16:25:39; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;32559
 9; 3049.2; 22-MAY-2008 16:33:47; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32559
10; 3173.2; 22-MAY-2008 16:35:51; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32559
11; 3446.8; 22-MAY-2008 16:40:25; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32559

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

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 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
 9; 2026.1; 22-MAY-2008 17:57:20; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;32560
 10; 2370.8; 22-MAY-2008 18:03:05; Bright; 34.5; 83; ; 2.38; 11000;occ; 69; 0;32560
 11; 2560.6; 22-MAY-2008 18:06:15; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;32560
 12; 3048.8; 22-MAY-2008 18:14:23; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32560
 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
 16; 4009.6; 22-MAY-2008 18:30:24; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;32560
 17; 4532.1; 22-MAY-2008 18:39:06; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;32560
 18; 4797.6; 22-MAY-2008 18:43:32; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;32560
 19; 5326.0; 22-MAY-2008 18:52:20; Dark ; 46.0; 52; 16Bet Cet ; 2.04; 4500;occ; 92; 0;32560
 20; 5848.4; 22-MAY-2008 19:01:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32560
 21; 6011.4; 22-MAY-2008 19:03:46; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;32560
 22; 6101.1; 22-MAY-2008 19:05:15; Dark ; 35.0; 172; Gam Gru ; 3.00; 13100;occ; 70; 0;32560
 23; 6187.2; 22-MAY-2008 19:06:41; Dark ; 40.5; 148; Alp Tuc ; 2.88; 4100;occ; 81; 0;32560
 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
 26; 7009.1; 22-MAY-2008 19:20:23; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;32560

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 2; 1084.0; 22-MAY-2008 19:22:14; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;32561
 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
 11; 2560.5; 22-MAY-2008 19:46:51; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;32561
 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
 14; 3446.7; 22-MAY-2008 20:01:37; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 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
 19; 5326.4; 22-MAY-2008 20:32:57; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32561
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 21; 6012.0; 22-MAY-2008 20:44:22; Dark ; 55.5; 63; Bet Gru ; 2.15; 2800;occ; 111; 0;32561
 22; 6102.2; 22-MAY-2008 20:45:52; Dark ; 35.0; 172; Gam Gru ; 3.00; 13100;occ; 70; 0;32561
 23; 6187.7; 22-MAY-2008 20:47:18; Dark ; 38.0; 148; Alp Tuc ; 2.88; 4100;occ; 76; 0;32561
 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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3; -21.7; 23-MAY-2008 01:46:12; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;32564
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
11; 1380.7; 23-MAY-2008 02:09:35; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32565
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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17; 2370.5; 23-MAY-2008 02:26:04; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 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
20; 3172.6; 23-MAY-2008 02:39:26; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;32565
21; 3446.7; 23-MAY-2008 02:44:01; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;32565
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2;-2026.8; 23-MAY-2008 02:53:23; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;32565
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
6; -707.8; 23-MAY-2008 03:15:22; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;32565
7; -184.9; 23-MAY-2008 03:24:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32565
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9; 71.1; 23-MAY-2008 03:28:21; Dark ; 27.0; 172; Gam Gru ; 3.00; 13100;occ; 54; 0;32566
10; 154.0; 23-MAY-2008 03:29:44; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;32566
11; 402.7; 23-MAY-2008 03:33:52; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32566
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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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 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
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 6; 410.4; 23-MAY-2008 22:00:36; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32577
 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
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22; 3936.7; 23-MAY-2008 22:59:22; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;32577
23; 4008.6; 23-MAY-2008 23:00:34; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;32577
24; 4382.3; 23-MAY-2008 23:06:47; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;32577
25; 4534.8; 23-MAY-2008 23:09:20; Dark ; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;32577
26; 4803.9; 23-MAY-2008 23:13:49; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32577
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 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
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 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
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 22; 4008.5; 24-MAY-2008 00:41:09; Bright; 54.5; 68; 18Alp Cas ; 2.22; 4500;occ; 109; 0;32578
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 5;-1235.8; 23-MAY-2008 06:27:46; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;32567
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 9; 81.5; 23-MAY-2008 06:49:43; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;32568
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 13; 1087.8; 23-MAY-2008 07:06:30; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;32568
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 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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 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
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 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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 19; 6441.4; 23-MAY-2008 10:16:19; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32569
 20; 6847.3; 23-MAY-2008 10:23:05; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;32569
 21; 7014.0; 23-MAY-2008 10:25:52; Dark ; 51.0; 40; The Sco ; 1.86; 7100;occ; 102; 0;32569
 22; 7124.7; 23-MAY-2008 10:27:42; Dark ; 50.0; 25; 35Lam Sco ; 1.62; 28000;occ; 100; 0;32569
 23; 7246.8; 23-MAY-2008 10:29:44; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;32569
 24; 7418.0; 23-MAY-2008 10:32:36; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32569
 25; 7561.6; 23-MAY-2008 10:34:59; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;32569
 26; 7667.4; 23-MAY-2008 10:36:45; Bright; 35.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 70; 0;32569

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 18; 6119.9; 23-MAY-2008 11:51:33; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;32570
 19; 6442.1; 23-MAY-2008 11:56:56; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32570
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 21; 7014.4; 23-MAY-2008 12:06:28; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;32570
 22; 7125.2; 23-MAY-2008 12:08:19; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;32570
 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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 6; 2560.1; 23-MAY-2008 12:32:50; Bright; 34.0; 180; 27Gam Boo ; 3.04; 8000;occ; 68; 0;32571
 7; 3044.5; 23-MAY-2008 12:40:54; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32571
 8; 3172.2; 23-MAY-2008 12:43:02; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;32571
 9; 3446.8; 23-MAY-2008 12:47:36; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32571
 10; 3937.0; 23-MAY-2008 12:55:46; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32571
 11; 4009.0; 23-MAY-2008 12:56:58; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;32571
 12; 4381.7; 23-MAY-2008 13:03:11; Bright; 37.5; 53; 43Bet And ; 2.05; 3300;occ; 75; 0;32571
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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
 19; 6120.8; 23-MAY-2008 13:32:10; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;32571
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25; 7418.6; 23-MAY-2008 13:53:48; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 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
13; 4381.8; 23-MAY-2008 14:43:47; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;32572
14; 4534.2; 23-MAY-2008 14:46:19; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;32572
15; 4802.2; 23-MAY-2008 14:50:47; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;32572
16; 5331.4; 23-MAY-2008 14:59:37; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;32572
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19; 6020.3; 23-MAY-2008 15:11:06; Dark ; 59.5; 63; Bet Gru ; 2.15; 2800;occ; 119; 0;32572
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21; 6443.5; 23-MAY-2008 15:18:09; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;32572
22; 6848.8; 23-MAY-2008 15:24:54; Dark ; 38.5; 141; Bet Ara ; 2.84; 4600;occ; 77; 0;32572
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25; 7248.0; 23-MAY-2008 15:31:33; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;32572
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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
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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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26; 6850.0; 23-MAY-2008 20:26:43; Dark ; 39.0; 141; Bet Ara ; 2.84; 4600;occ; 78; 0;32575
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21; 6855.7; 24-MAY-2008 18:14:36; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32588
22; 7024.2; 24-MAY-2008 18:17:24; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;32588
23; 7134.6; 24-MAY-2008 18:19:15; Dark ; 39.5; 25; 35Lam Sco ; 1.62; 28000;occ; 79; 0;32588

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

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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
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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
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13; 1838.2; 25-MAY-2008 01:13:58; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;32593
14; 2021.4; 25-MAY-2008 01:17:01; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32593
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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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6; 821.8; 25-MAY-2008 02:37:37; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32594
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13; 1838.2; 25-MAY-2008 02:54:34; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;32594
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16; 3035.8; 25-MAY-2008 03:14:32; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32594
17; 3170.5; 25-MAY-2008 03:16:46; Bright; 33.0; 60; 7Bet UMi ; 2.08; 3950;occ; 66; 0;32594
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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
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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
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16; 1529.5; 25-MAY-2008 04:30:01; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;32595
17; 1737.2; 25-MAY-2008 04:33:29; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;32595
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21; 3035.6; 25-MAY-2008 04:55:07; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32595
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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
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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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4; 114.4; 25-MAY-2008 22:33:01; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;32606
5; 430.7; 25-MAY-2008 22:38:18; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32606
6; 826.8; 25-MAY-2008 22:44:54; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32606
7; 1052.9; 25-MAY-2008 22:48:40; Dark ; 25.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 50; 0;32606
8; 1107.0; 25-MAY-2008 22:49:34; Dark ; 47.5; 25; 35Lam Sco ; 1.62; 28000;occ; 95; 0;32606
9; 1223.7; 25-MAY-2008 22:51:31; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;32606
10; 1351.7; 25-MAY-2008 22:53:39; Dark ; 44.5; 136; 23Tau Sco ; 2.82; 30000;occ; 89; 0;32606

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13; 1837.3; 25-MAY-2008 23:01:44; Bright; 42.0; 120; 1Del Oph ; 2.73; 3200;occ; 84; 0;32606
14; 2020.1; 25-MAY-2008 23:04:47; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;32606
15; 2369.1; 25-MAY-2008 23:10:36; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;32606
16; 3031.6; 25-MAY-2008 23:21:39; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32606
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22; 4540.1; 25-MAY-2008 23:46:47; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;32606
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17; 6461.1; 25-MAY-2008 09:13:25; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32597
18; 6859.5; 25-MAY-2008 09:20:03; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;32597
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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
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 3; 2021.1; 25-MAY-2008 09:40:01; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32598
 4; 2369.3; 25-MAY-2008 09:45:49; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32598
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 6; 3170.3; 25-MAY-2008 09:59:10; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32598
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 17; 6461.8; 25-MAY-2008 10:54:01; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32598
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 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
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 13; 5343.8; 25-MAY-2008 12:15:59; Dark ; 42.5; 52; 16Bet Cet ; 2.04; 4500;occ; 85; 0;32599
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 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
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 21; 7257.6; 25-MAY-2008 12:47:53; Dark ; 45.0; 75; 26Eps Sco ; 2.29; 4250;occ; 90; 0;32599
 22; 7386.1; 25-MAY-2008 12:50:02; Dark ; 44.0; 136; 23Tau Sco ; 2.82; 30000;occ; 88; 0;32599
 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
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 12; 822.8; 25-MAY-2008 05:58:50; Dark ; 39.0; 141; Bet Ara ; 2.84; 4600;occ; 78; 0;32596
 13; 991.9; 25-MAY-2008 06:01:40; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;32596
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 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
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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
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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
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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
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7; 2369.3; 25-MAY-2008 16:28:12; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;32602
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5; 1530.9; 25-MAY-2008 17:54:50; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;32603
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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
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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
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2; -153.6; 26-MAY-2008 23:37:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32620
3; 21.5; 26-MAY-2008 23:40:27; Dark ; 58.5; 63; Bet Gru ; 2.15; 2800;occ; 117; 0;32621
4; 127.7; 26-MAY-2008 23:42:14; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;32621
5; 441.3; 26-MAY-2008 23:47:27; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;32621
6; 833.3; 26-MAY-2008 23:53:59; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32621
7; 1004.6; 26-MAY-2008 23:56:50; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;32621
8; 1114.2; 26-MAY-2008 23:58:40; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;32621
9; 1229.1; 27-MAY-2008 00:00:35; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;32621
10; 1355.9; 27-MAY-2008 00:02:42; Dark ; 43.0; 136; 23Tau Sco ; 2.82; 30000;occ; 86; 0;32621
11; 1485.9; 27-MAY-2008 00:04:52; Bright; 40.5; 80; 7Del Sco ; 2.32; 30000;occ; 81; 0;32621
12; 1584.9; 27-MAY-2008 00:06:31; Bright; 47.5; 86; 35Eta Oph ; 2.43; 10200;occ; 95; 0;32621
13; 1739.7; 27-MAY-2008 00:09:06; Bright; 36.5; 104; 27Bet Lib ; 2.61; 13100;occ; 73; 0;32621
14; 1836.4; 27-MAY-2008 00:10:42; Bright; 41.5; 120; 1Del Oph ; 2.73; 3200;occ; 83; 0;32621
15; 2018.7; 27-MAY-2008 00:13:45; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;32621
16; 2380.1; 27-MAY-2008 00:19:46; Bright; 39.0; 67; 5Alp CrB ; 2.22; 11000;occ; 78; 0;32621
17; 2566.9; 27-MAY-2008 00:22:53; Bright; 43.5; 133; 40Zet Her ; 2.81; 6000;occ; 87; 0;32621
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19; 3169.0; 27-MAY-2008 00:32:55; Bright; 32.5; 60; 7Bet UMi ; 2.08; 3950;occ; 65; 0;32621
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21; 3934.4; 27-MAY-2008 00:45:40; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;32621
22; 4387.2; 27-MAY-2008 00:53:13; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;32621
23; 4543.0; 27-MAY-2008 00:55:49; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;32621
24; 4821.5; 27-MAY-2008 01:00:27; Dark ; 50.0; 140; 88Gam Peg ; 2.83; 26000;occ; 100; 0;32621
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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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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
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3; 2019.7; 26-MAY-2008 07:27:46; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;32611
4; 2382.3; 26-MAY-2008 07:33:49; Bright; 40.0; 67; 5Alp CrB ; 2.22; 11000;occ; 80; 0;32611
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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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
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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
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2; 1837.0; 26-MAY-2008 10:45:55; Bright; 42.0; 120; 1Del Oph ; 2.73; 3200;occ; 84; 0;32613
3; 2019.5; 26-MAY-2008 10:48:58; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32613
4; 2381.9; 26-MAY-2008 10:55:00; Bright; 38.5; 67; 5Alp CrB ; 2.22; 11000;occ; 77; 0;32613
5; 2572.1; 26-MAY-2008 10:58:11; Bright; 42.0; 133; 40Zet Her ; 2.81; 6000;occ; 84; 0;32613


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7; 3169.4; 26-MAY-2008 11:08:08; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32613
8; 3672.2; 26-MAY-2008 11:16:31; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;32613
9; 3934.9; 26-MAY-2008 11:20:53; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32613
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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
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16; 6157.4; 26-MAY-2008 11:57:56; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;32613
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23; 7520.5; 26-MAY-2008 12:20:39; Bright; 56.0; 80; 7Del Sco ; 2.32; 30000;occ; 112; 0;32613
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3; 2019.4; 26-MAY-2008 12:29:34; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;32614
4; 2381.5; 26-MAY-2008 12:35:36; Bright; 37.0; 67; 5Alp CrB ; 2.22; 11000;occ; 74; 0;32614
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6; 2381.5; 26-MAY-2008 14:16:12; Bright; 37.0; 67; 5Alp CrB ; 2.22; 11000;occ; 74; 0;32615
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9; 3169.4; 26-MAY-2008 14:29:20; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32615
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13; 1013.4; 28-MAY-2008 06:07:46; Dark ; 51.0; 40; The Sco ; 1.86; 7100;occ; 102; 0;32639
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12; 3017.3; 28-MAY-2008 21:46:33; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32648
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4; 43.9; 28-MAY-2008 22:37:36; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;32649

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25; 4833.8; 28-MAY-2008 23:57:26; Dark ; 49.5; 140; 88Gam Peg ; 2.83; 26000;occ; 99; 0;32649
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6; -791.4; 28-MAY-2008 07:18:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32639
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9; 36.7; 28-MAY-2008 07:32:05; Dark ; 58.5; 63; Bet Gru ; 2.15; 2800;occ; 117; 0;32640
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6;	3167.9;	28-MAY-2008	10:04:52;	Bright;	34.0;	60;	7Bet UMi	;	2.08;	3950;occ;	68;	0;	32641	
7;	3656.6;	28-MAY-2008	10:13:01;	Bright;	44.5;	89;	5Alp Cep	;	2.45;	8000;occ;	89;	0;	32641	
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11;	4830.2;	28-MAY-2008	10:32:35;	Dark	;	47.5;	140;	88Gam Peg	;	2.83;	26000;occ;	95;	0;	32641
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19;	7050.8;	28-MAY-2008	11:09:35;	Dark	;	45.5;	40;	The Sco	;	1.86;	7100;occ;	91;	0;	32641
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25;	7737.3;	28-MAY-2008	11:21:02;	Bright;	20.0;	98;	13Zet Oph	;	2.57;	30000;occ;	40;	0;	32641	
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4;	2376.2;	28-MAY-2008	11:32:16;	Bright;	39.0;	67;	5Alp CrB	;	2.22;	11000;occ;	78;	0;	32642	
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7;	3167.8;	28-MAY-2008	11:45:28;	Bright;	37.5;	60;	7Bet UMi	;	2.08;	3950;occ;	75;	0;	32642	
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11;	4389.7;	28-MAY-2008	13:46:26;	Bright;	39.0;	53;	43Bet And	;	2.05;	3300;occ;	78;	0;	32643	
12;	4547.2;	28-MAY-2008	13:49:03;	Dark	;	48.0;	58;	21Alp And	;	2.07;	11000;occ;	96;	0;	32643
13;	4831.2;	28-MAY-2008	13:53:47;	Dark	;	49.0;	140;	88Gam Peg	;	2.83;	26000;occ;	98;	0;	32643
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 5; 2017.1; 28-MAY-2008 14:47:29; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;32644
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 3; 2016.3; 29-MAY-2008 10:54:40; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;32656
 4; 2373.7; 29-MAY-2008 11:00:37; Bright; 38.5; 67; 5Alp CrB ; 2.22; 11000;occ; 77; 0;32656
 5; 2545.9; 29-MAY-2008 11:03:29; Bright; 44.5; 133; 40Zet Her ; 2.81; 6000;occ; 89; 0;32656
 6; 3014.8; 29-MAY-2008 11:11:18; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;32656
 7; 3167.3; 29-MAY-2008 11:13:51; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32656
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 9; 3932.0; 29-MAY-2008 11:26:35; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;32656
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 14; 5373.5; 29-MAY-2008 11:50:37; Dark ; 46.5; 52; 16Bet Cet ; 2.04; 4500;occ; 93; 0;32656
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 17; 6196.3; 29-MAY-2008 12:04:20; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;32656
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 19; 6883.9; 29-MAY-2008 12:15:47; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;32656
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 23; 7401.1; 29-MAY-2008 12:24:24; Dark ; 41.0; 136; 23Tau Sco ; 2.82; 30000;occ; 82; 0;32656
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 5; 2373.7; 29-MAY-2008 12:41:13; Bright; 36.0; 67; 5Alp CrB ; 2.22; 11000;occ; 72; 0;32657
 6; 2545.4; 29-MAY-2008 12:44:05; Bright; 45.0; 133; 40Zet Her ; 2.81; 6000;occ; 90; 0;32657
 7; 3014.6; 29-MAY-2008 12:51:54; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;32657
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 11; 4391.1; 29-MAY-2008 13:14:50; Bright; 40.0; 53; 43Bet And ; 2.05; 3300;occ; 80; 0;32657
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 14; 5255.3; 29-MAY-2008 13:29:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32657
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 19; 6503.0; 29-MAY-2008 13:50:02; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32657
 20; 6884.2; 29-MAY-2008 13:56:23; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;32657
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 22; 7167.0; 29-MAY-2008 14:01:06; Dark ; 45.0; 25; 35Lam Sco ; 1.62; 28000;occ; 90; 0;32657
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 3; 1242.5; 29-MAY-2008 20:45:21; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;32662

4; 1366.5; 29-MAY-2008 20:47:25; Dark ; 42.0; 136; 23Tau Sco ; 2.82; 30000;occ; 84; 0;32662
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6; 1588.5; 29-MAY-2008 20:51:07; Bright; 46.0; 86; 35Eta Oph ; 2.43; 10200;occ; 92; 0;32662
7; 1701.9; 29-MAY-2008 20:53:01; Bright; 42.0; 98; 13Zet Oph ; 2.57; 30000;occ; 84; 0;32662
8; 1834.7; 29-MAY-2008 20:55:14; Bright; 40.5; 120; 1Del Oph ; 2.73; 3200;occ; 81; 0;32662
9; 2016.0; 29-MAY-2008 20:58:15; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;32662
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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
14; 3644.7; 29-MAY-2008 21:25:24; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 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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7; 850.3; 29-MAY-2008 22:19:25; Dark ; 39.0; 141; Bet Ara ; 2.84; 4600;occ; 78; 0;32663
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9; 1133.3; 29-MAY-2008 22:24:08; Dark ; 46.5; 25; 35Lam Sco ; 1.62; 28000;occ; 93; 0;32663
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13; 1588.6; 29-MAY-2008 22:31:43; Bright; 46.5; 86; 35Eta Oph ; 2.43; 10200;occ; 93; 0;32663
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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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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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25; 4840.4; 29-MAY-2008 23:25:55; Dark ; 50.5; 140; 88Gam Peg ; 2.83; 26000;occ; 101; 0;32663
26; 5260.1; 29-MAY-2008 23:32:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32663
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3; 1701.8; 29-MAY-2008 14:10:37; Bright; 40.5; 98; 13Zet Oph ; 2.57; 30000;occ; 81; 0;32658
4; 1834.9; 29-MAY-2008 14:12:50; Bright; 41.0; 120; 1Del Oph ; 2.73; 3200;occ; 82; 0;32658
5; 2016.2; 29-MAY-2008 14:15:51; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;32658
6; 2373.6; 29-MAY-2008 14:21:49; Bright; 37.5; 67; 5Alp CrB ; 2.22; 11000;occ; 75; 0;32658
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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11; 3932.0; 29-MAY-2008 14:47:47; Bright; 36.5; 76; 27Gam Cas ; 2.30; 30000;occ; 73; 0;32658
12; 4391.3; 29-MAY-2008 14:55:26; Bright; 40.5; 53; 43Bet And ; 2.05; 3300;occ; 81; 0;32658
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3; 1588.4; 29-MAY-2008 15:49:19; Bright; 47.0; 86; 35Eta Oph ; 2.43; 10200;occ; 94; 0;32659
4; 1702.0; 29-MAY-2008 15:51:13; Bright; 41.0; 98; 13Zet Oph ; 2.57; 30000;occ; 82; 0;32659
5; 1834.9; 29-MAY-2008 15:53:26; Bright; 40.0; 120; 1Del Oph ; 2.73; 3200;occ; 80; 0;32659
6; 2016.1; 29-MAY-2008 15:56:27; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;32659
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13; 4391.4; 29-MAY-2008 16:36:02; Bright; 40.0; 53; 43Bet And ; 2.05; 3300;occ; 80; 0;32659
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4; 1493.0; 29-MAY-2008 17:28:20; Bright; 39.5; 80; 7Del Sco ; 2.32; 30000;occ; 79; 0;32660
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21; 6090.0; 29-MAY-2008 18:44:57; Dark ; 46.0; 63; Bet Gru ; 2.15; 2800;occ; 92; 0;32660
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23; 6505.2; 29-MAY-2008 18:51:52; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32660
24; 6885.5; 29-MAY-2008 18:58:12; Dark ; 38.5; 141; Bet Ara ; 2.84; 4600;occ; 77; 0;32660
25; 7059.9; 29-MAY-2008 19:01:07; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;32660
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3; 1242.2; 29-MAY-2008 19:04:45; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;32661
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5; 1493.1; 29-MAY-2008 19:08:56; Bright; 40.0; 80; 7Del Sco ; 2.32; 30000;occ; 80; 0;32661
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7; 1702.0; 29-MAY-2008 19:12:25; Bright; 42.0; 98; 13Zet Oph ; 2.57; 30000;occ; 84; 0;32661
8; 1834.7; 29-MAY-2008 19:14:38; Bright; 40.5; 120; 1Del Oph ; 2.73; 3200;occ; 81; 0;32661
9; 2016.0; 29-MAY-2008 19:17:39; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;32661
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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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 18; 4839.4; 29-MAY-2008 20:04:42; Dark ; 48.5; 140; 88Gam Peg ; 2.83; 26000;occ; 97; 0;32661
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 23; 6200.9; 29-MAY-2008 20:27:24; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;32661
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 6; 471.9; 30-MAY-2008 01:34:18; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;32665
 7; 850.9; 30-MAY-2008 01:40:37; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;32665
 8; 925.2; 30-MAY-2008 01:41:52; Dark ; 41.5; 147; Alp Ara ; 2.88; 26000;occ; 83; 0;32665
 9; 1025.7; 30-MAY-2008 01:43:32; Dark ; 44.0; 40; The Sco ; 1.86; 7100;occ; 88; 0;32665
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 11; 1243.4; 30-MAY-2008 01:47:10; Dark ; 44.5; 75; 26Eps Sco ; 2.29; 4250;occ; 89; 0;32665
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 13; 1493.7; 30-MAY-2008 01:51:20; Bright; 40.0; 80; 7Del Sco ; 2.32; 30000;occ; 80; 0;32665
 14; 1588.9; 30-MAY-2008 01:52:55; Bright; 47.0; 86; 35Eta Oph ; 2.43; 10200;occ; 94; 0;32665
 15; 1702.0; 30-MAY-2008 01:54:49; Bright; 43.5; 98; 13Zet Oph ; 2.57; 30000;occ; 87; 0;32665
 16; 1834.6; 30-MAY-2008 01:57:01; Bright; 40.0; 120; 1Del Oph ; 2.73; 3200;occ; 80; 0;32665
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 18; 2372.4; 30-MAY-2008 02:05:59; Bright; 36.5; 67; 5Alp CrB ; 2.22; 11000;occ; 73; 0;32665
 19; 2541.1; 30-MAY-2008 02:08:48; Bright; 44.5; 133; 40Zet Her ; 2.81; 6000;occ; 89; 0;32665
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 21; 3166.8; 30-MAY-2008 02:19:13; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32665
 22; 3642.9; 30-MAY-2008 02:27:09; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;32665

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 8; 58.2; 30-MAY-2008 03:08:01; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;32666
 9; 168.7; 30-MAY-2008 03:09:51; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;32666
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 13; 1134.8; 30-MAY-2008 03:25:57; Dark ; 43.5; 25; 35Lam Sco ; 1.62; 28000;occ; 87; 0;32666
 14; 1243.9; 30-MAY-2008 03:27:46; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;32666
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 17; 1589.0; 30-MAY-2008 03:33:31; Bright; 46.5; 86; 35Eta Oph ; 2.43; 10200;occ; 93; 0;32666
 18; 1702.2; 30-MAY-2008 03:35:25; Bright; 42.0; 98; 13Zet Oph ; 2.57; 30000;occ; 84; 0;32666
 19; 1834.7; 30-MAY-2008 03:37:37; Bright; 40.5; 120; 1Del Oph ; 2.73; 3200;occ; 81; 0;32666
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 21; 2372.5; 30-MAY-2008 03:46:35; Bright; 38.0; 67; 5Alp CrB ; 2.22; 11000;occ; 76; 0;32666
 22; 2540.6; 30-MAY-2008 03:49:23; Bright; 44.5; 133; 40Zet Her ; 2.81; 6000;occ; 89; 0;32666
 23; 3011.9; 30-MAY-2008 03:57:14; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32666
 24; 3167.0; 30-MAY-2008 03:59:49; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32666
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 3; -1643.9; 30-MAY-2008 04:20:15; Bright; 42.5; 53; 43Bet And ; 2.05; 3300;occ; 85; 0;32666
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 5; -1194.1; 30-MAY-2008 04:27:44; Dark ; 49.5; 140; 88Gam Peg ; 2.83; 26000;occ; 99; 0;32666
 6; -773.3; 30-MAY-2008 04:34:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32666
 7; -656.7; 30-MAY-2008 04:36:42; Dark ; 47.0; 52; 16Bet Cet ; 2.04; 4500;occ; 94; 0;32666

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 18; 1589.2; 30-MAY-2008 05:14:08; Bright; 46.0; 86; 35Eta Oph ; 2.43; 10200;occ; 92; 0;32667
 19; 1702.1; 30-MAY-2008 05:16:01; Bright; 40.5; 98; 13Zet Oph ; 2.57; 30000;occ; 81; 0;32667
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 21; 2015.8; 30-MAY-2008 05:21:14; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;32667
 22; 2372.2; 30-MAY-2008 05:27:11; Bright; 35.5; 67; 5Alp CrB ; 2.22; 11000;occ; 71; 0;32667
 23; 2540.0; 30-MAY-2008 05:29:58; Bright; 42.0; 133; 40Zet Her ; 2.81; 6000;occ; 84; 0;32667
 24; 3011.5; 30-MAY-2008 05:37:50; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32667
 25; 3168.7; 30-MAY-2008 05:40:27; Bright; 31.5; 60; 7Bet UMi ; 2.08; 3950;occ; 63; 0;32667
 26; 3641.8; 30-MAY-2008 05:48:20; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;32667

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 3; 1139.0; 30-MAY-2008 20:12:01; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;32676
 4; 1247.0; 30-MAY-2008 20:13:49; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;32676
 5; 1370.0; 30-MAY-2008 20:15:52; Dark ; 51.5; 136; 23Tau Sco ; 2.82; 30000;occ; 103; 0;32676
 6; 1495.8; 30-MAY-2008 20:17:58; Bright; 38.5; 80; 7Del Sco ; 2.32; 30000;occ; 77; 0;32676
 7; 1590.0; 30-MAY-2008 20:19:32; Bright; 45.0; 86; 35Eta Oph ; 2.43; 10200;occ; 90; 0;32676
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 10; 2015.4; 30-MAY-2008 20:26:37; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;32676
 11; 2370.9; 30-MAY-2008 20:32:33; Bright; 38.0; 67; 5Alp CrB ; 2.22; 11000;occ; 76; 0;32676
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 13; 3008.7; 30-MAY-2008 20:43:11; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32676
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 5; 2539.6; 30-MAY-2008 07:10:34; Bright; 44.0; 133; 40Zet Her ; 2.81; 6000;occ; 88; 0;32668
 6; 3011.3; 30-MAY-2008 07:18:26; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32668
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 16; 5894.4; 30-MAY-2008 14:48:53; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;32672
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 18; 6513.4; 30-MAY-2008 14:59:11; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32672
 19; 6964.4; 30-MAY-2008 15:06:42; Dark ; 38.5; 147; Alp Ara ; 2.88; 26000;occ; 77; 0;32672
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 5; 2015.6; 30-MAY-2008 15:24:50; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;32673
 6; 2371.4; 30-MAY-2008 15:30:45; Bright; 37.0; 67; 5Alp CrB ; 2.22; 11000;occ; 74; 0;32673
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 11; 4392.8; 30-MAY-2008 16:04:27; Bright; 41.5; 53; 43Bet And ; 2.05; 3300;occ; 83; 0;32673
 12; 4553.1; 30-MAY-2008 16:07:07; Dark ; 53.0; 58; 21Alp And ; 2.07; 11000;occ; 106; 0;32673
 13; 4845.3; 30-MAY-2008 16:11:59; Dark ; 49.5; 140; 88Gam Peg ; 2.83; 26000;occ; 99; 0;32673
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 15; 5383.4; 30-MAY-2008 16:20:57; Dark ; 47.0; 52; 16Bet Cet ; 2.04; 4500;occ; 94; 0;32673
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 18; 6101.0; 30-MAY-2008 16:32:55; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;32673
 19; 6212.2; 30-MAY-2008 16:34:46; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;32673
 20; 6514.2; 30-MAY-2008 16:39:48; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32673
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5; 1589.8; 30-MAY-2008 16:58:20; Bright; 46.0; 86; 35Eta Oph ; 2.43; 10200;occ; 92; 0;32674
6; 1702.3; 30-MAY-2008 17:00:12; Bright; 40.0; 98; 13Zet Oph ; 2.57; 30000;occ; 80; 0;32674
7; 1834.4; 30-MAY-2008 17:02:24; Bright; 40.0; 120; 1Del Oph ; 2.73; 3200;occ; 80; 0;32674
8; 2015.5; 30-MAY-2008 17:05:26; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;32674
9; 2371.3; 30-MAY-2008 17:11:21; Bright; 38.0; 67; 5Alp CrB ; 2.22; 11000;occ; 76; 0;32674
10; 2536.3; 30-MAY-2008 17:14:06; Bright; 44.0; 133; 40Zet Her ; 2.81; 6000;occ; 88; 0;32674
11; 3009.3; 30-MAY-2008 17:21:59; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32674
12; 3637.9; 30-MAY-2008 17:32:28; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;32674
13; 3930.8; 30-MAY-2008 17:37:21; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;32674
14; 4392.8; 30-MAY-2008 17:45:03; Bright; 41.5; 53; 43Bet And ; 2.05; 3300;occ; 83; 0;32674
15; 4553.3; 30-MAY-2008 17:47:43; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;32674
16; 4845.8; 30-MAY-2008 17:52:36; Dark ; 49.5; 140; 88Gam Peg ; 2.83; 26000;occ; 99; 0;32674
17; 5269.4; 30-MAY-2008 17:59:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32674
18; 5383.9; 30-MAY-2008 18:01:34; Dark ; 50.0; 52; 16Bet Cet ; 2.04; 4500;occ; 100; 0;32674
19; 5786.6; 30-MAY-2008 18:08:17; Dark ; 40.5; 84; Alp Phe ; 2.40; 4500;occ; 81; 0;32674
20; 5897.0; 30-MAY-2008 18:10:07; Dark ; 52.5; 18; 24Alp PsA ; 1.17; 9700;occ; 105; 0;32674
21; 6101.8; 30-MAY-2008 18:13:32; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;32674
22; 6213.0; 30-MAY-2008 18:15:23; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;32674
23; 6514.8; 30-MAY-2008 18:20:25; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32674
24; 6965.5; 30-MAY-2008 18:27:56; Dark ; 38.5; 147; Alp Ara ; 2.88; 26000;occ; 77; 0;32674

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3; 1138.6; 30-MAY-2008 18:31:25; Dark ; 45.5; 25; 35Lam Sco ; 1.62; 28000;occ; 91; 0;32675
4; 1246.7; 30-MAY-2008 18:33:13; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;32675
5; 1369.8; 30-MAY-2008 18:35:16; Dark ; 39.5; 136; 23Tau Sco ; 2.82; 30000;occ; 79; 0;32675
6; 1495.6; 30-MAY-2008 18:37:22; Bright; 40.0; 80; 7Del Sco ; 2.32; 30000;occ; 80; 0;32675
7; 1589.9; 30-MAY-2008 18:38:56; Bright; 46.0; 86; 35Eta Oph ; 2.43; 10200;occ; 92; 0;32675
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10; 2015.5; 30-MAY-2008 18:46:02; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;32675
11; 2371.1; 30-MAY-2008 18:51:57; Bright; 37.5; 67; 5Alp CrB ; 2.22; 11000;occ; 75; 0;32675
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16; 4393.0; 30-MAY-2008 19:25:39; Bright; 41.0; 53; 43Bet And ; 2.05; 3300;occ; 82; 0;32675
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18; 4846.3; 30-MAY-2008 19:33:12; Dark ; 49.5; 140; 88Gam Peg ; 2.83; 26000;occ; 99; 0;32675
19; 5270.2; 30-MAY-2008 19:40:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32675
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21; 5787.1; 30-MAY-2008 19:48:53; Dark ; 43.5; 84; Alp Phe ; 2.40; 4500;occ; 87; 0;32675
22; 5898.2; 30-MAY-2008 19:50:44; Dark ; 60.5; 18; 24Alp PsA ; 1.17; 9700;occ; 121; 0;32675
23; 6102.5; 30-MAY-2008 19:54:09; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;32675
24; 6213.9; 30-MAY-2008 19:56:00; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;32675
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3; -134.2; 31-MAY-2008 00:52:35; Dark ; 53.0; 18; 24Alp PsA ; 1.17; 9700;occ; 106; 0;32678

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2; 1145.0; 31-MAY-2008 19:40:30; Dark ; 47.5; 25; 35Lam Sco ; 1.62; 28000;occ; 95; 0;32690
3; 1251.3; 31-MAY-2008 19:42:16; Dark ; 45.5; 75; 26Eps Sco ; 2.29; 4250;occ; 91; 0;32690
4; 1373.3; 31-MAY-2008 19:44:18; Dark ; 45.5; 136; 23Tau Sco ; 2.82; 30000;occ; 91; 0;32690
5; 1498.1; 31-MAY-2008 19:46:23; Bright; 38.0; 80; 7Del Sco ; 2.32; 30000;occ; 76; 0;32690
6; 1591.2; 31-MAY-2008 19:47:56; Bright; 44.0; 86; 35Eta Oph ; 2.43; 10200;occ; 88; 0;32690
7; 1702.9; 31-MAY-2008 19:49:48; Bright; 41.5; 98; 13Zet Oph ; 2.57; 30000;occ; 83; 0;32690
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9; 2014.8; 31-MAY-2008 19:55:00; Bright; 36.5; 102; 24Alp Ser ; 2.60; 4250;occ; 73; 0;32690
10; 2368.9; 31-MAY-2008 20:00:54; Bright; 36.5; 67; 5Alp CrB ; 2.22; 11000;occ; 73; 0;32690
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14; 3929.1; 31-MAY-2008 20:26:54; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;32690
15; 4394.4; 31-MAY-2008 20:34:39; Bright; 44.0; 53; 43Bet And ; 2.05; 3300;occ; 88; 0;32690


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6; 489.8; 31-MAY-2008 21:10:11; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;32691
7; 936.1; 31-MAY-2008 21:17:37; Dark ; 39.0; 147; Alp Ara ; 2.88; 26000;occ; 78; 0;32691
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9; 1145.3; 31-MAY-2008 21:21:06; Dark ; 46.5; 25; 35Lam Sco ; 1.62; 28000;occ; 93; 0;32691
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16; 2014.7; 31-MAY-2008 21:35:36; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;32691
17; 2368.9; 31-MAY-2008 21:41:30; Bright; 37.5; 67; 5Alp CrB ; 2.22; 11000;occ; 75; 0;32691
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19; 3004.2; 31-MAY-2008 21:52:05; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32691
20; 3627.6; 31-MAY-2008 22:02:29; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;32691
21; 3929.0; 31-MAY-2008 22:07:30; Bright; 56.0; 76; 27Gam Cas ; 2.30; 30000;occ; 112; 0;32691
22; 4394.4; 31-MAY-2008 22:15:15; Bright; 44.0; 53; 43Bet And ; 2.05; 3300;occ; 88; 0;32691
23; 4556.7; 31-MAY-2008 22:17:58; Dark ; 53.5; 58; 21Alp And ; 2.07; 11000;occ; 107; 0;32691
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3; 837.7; 31-MAY-2008 12:52:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32686
4; 1405.9; 31-MAY-2008 13:02:27; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;32686
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3; 1916.1; 31-MAY-2008 13:10:57; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;32686
4; 2211.4; 31-MAY-2008 13:15:53; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;32686
5; 2609.4; 31-MAY-2008 13:22:31; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;32686
6; 3136.2; 31-MAY-2008 13:31:17; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;32686
7; 3442.8; 31-MAY-2008 13:36:24; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;32686
8; 3557.2; 31-MAY-2008 13:38:18; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;32686
9; 3751.7; 31-MAY-2008 13:41:33; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;32686
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11; 5923.5; 31-MAY-2008 14:17:45; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;32686
12; 6066.4; 31-MAY-2008 14:20:08; Dark ; 44.5; 0; ; 0.00; 0;occ; 89; 0;32686
13; 6443.4; 31-MAY-2008 14:26:25; Dark ; 38.5; 0; ; 0.00; 0;occ; 77; 0;32686
14; 6874.1; 31-MAY-2008 14:33:35; Dark ; 36.5; 0; ; 0.00; 0;occ; 73; 0;32686
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3; 1682.3; 31-MAY-2008 14:47:39; Bright; 44.5; 0; ; 0.00; 0;occ; 89; 0;32687
4; 1915.1; 31-MAY-2008 14:51:32; Bright; 39.5; 0; ; 0.00; 0;occ; 79; 0;32687
5; 2211.4; 31-MAY-2008 14:56:28; Bright; 34.5; 0; ; 0.00; 0;occ; 69; 0;32687
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8; 3442.5; 31-MAY-2008 15:17:00; Bright; 40.5; 0; ; 0.00; 0;occ; 81; 0;32687
9; 3557.1; 31-MAY-2008 15:18:54; Bright; 37.5; 0; ; 0.00; 0;occ; 75; 0;32687
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11; 4206.2; 31-MAY-2008 15:29:43; Bright; 42.5; 0; ; 0.00; 0;occ; 85; 0;32687
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13; 6055.5; 31-MAY-2008 16:00:33; Dark ; 103.0; 63; Bet Gru ; 2.15; 2800;occ; 206; 0;32687
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15; 6916.9; 31-MAY-2008 16:14:54; Dark ; 93.0; 147; Alp Ara ; 2.88; 26000;occ; 186; 0;32687
16; 7121.3; 31-MAY-2008 16:18:18; Dark ; 106.0; 25; 35Lam Sco ; 1.62; 28000;occ; 212; 0;32687
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 3; 1778.1; 31-MAY-2008 16:29:51; Bright; 95.5; 120; 1Del Oph ; 2.73; 3200;occ; 191; 0;32688
 4; 1961.6; 31-MAY-2008 16:32:55; Bright; 90.0; 102; 24Alp Ser ; 2.60; 4250;occ; 180; 0;32688
 5; 2263.2; 31-MAY-2008 16:37:56; Bright; 103.0; 127; 27Bet Her ; 2.78; 4700;occ; 206; 0;32688
 6; 2469.7; 31-MAY-2008 16:41:23; Bright; 101.0; 133; 40Zet Her ; 2.81; 6000;occ; 202; 0;32688
 7; 2952.1; 31-MAY-2008 16:49:25; Bright; 91.0; 119; 14Eta Dra ; 2.73; 4700;occ; 182; 0;32688
 8; 3563.5; 31-MAY-2008 16:59:37; Bright; 113.0; 89; 5Alp Cep ; 2.45; 8000;occ; 226; 0;32688
 9; 3875.0; 31-MAY-2008 17:04:48; Bright; 89.5; 76; 27Gam Cas ; 2.30; 30000;occ; 179; 0;32688
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 11; 4489.8; 31-MAY-2008 17:15:03; Dark ; 119.0; 58; 21Alp And ; 2.07; 11000;occ; 238; 0;32688
 12; 4786.5; 31-MAY-2008 17:20:00; Dark ; 117.0; 140; 88Gam Peg ; 2.83; 26000;occ; 234; 0;32688
 13; 5281.3; 31-MAY-2008 17:28:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32688
 14; 5845.4; 31-MAY-2008 17:37:38; Dark ; 122.5; 18; 24Alp PsA ; 1.17; 9700;occ; 245; 0;32688
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 17; 6917.5; 31-MAY-2008 17:55:31; Dark ; 95.0; 147; Alp Ara ; 2.88; 26000;occ; 190; 0;32688
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 21; 3928.8; 31-MAY-2008 23:48:06; Bright; 56.0; 76; 27Gam Cas ; 2.30; 30000;occ; 112; 0;32692
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