

GOMOS Daily Report 12-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	14MAY2008 09:40:41
Data source version	GOMOS/5.00
Start time of products	12-05-2008 (12MAY2008 00:00:00)
Stop time of products	13-05-2008 (13MAY2008 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)

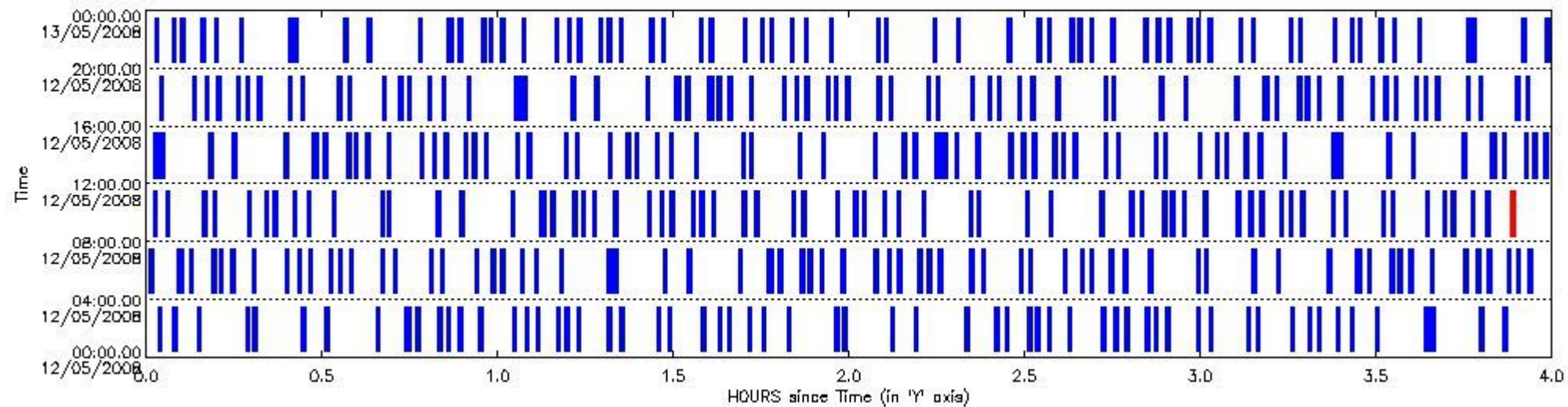
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

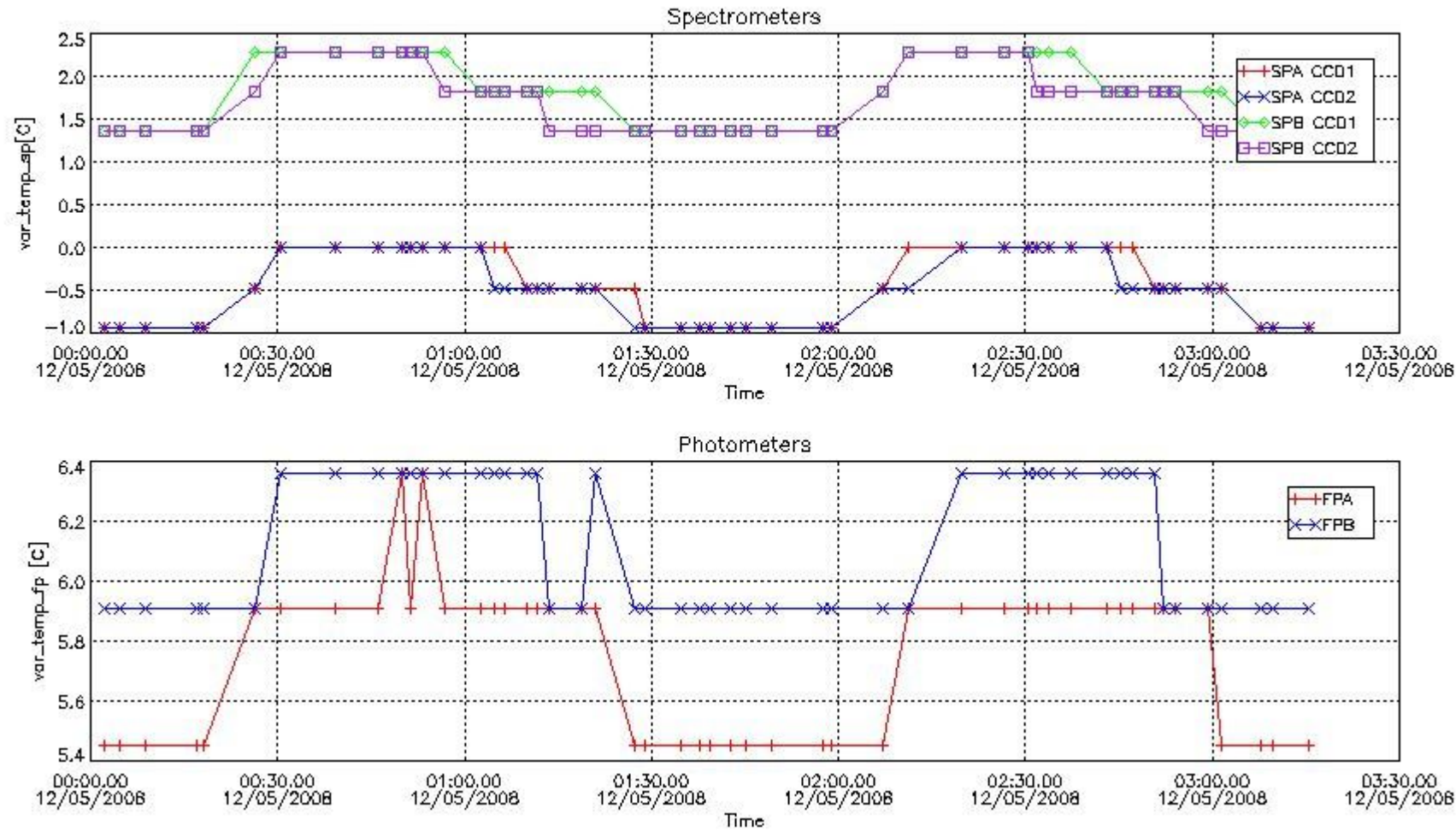
UTC start time	Star name	Star ID	Orbit
12-MAY-2008 11:52:57	1AlpUMi	49	32413

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_1PNPDE20080512_000203_000000372068_00288_32406_7727.N1	12-MAY-2008 00:02:03	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	32406	No
2	GOM_TRA_1PNPDE20080512_000431_000000392068_00288_32406_7728.N1	12-MAY-2008 00:04:31	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	32406	No
3	GOM_TRA_1PNPDE20080512_000847_000000362068_00288_32406_7729.N1	12-MAY-2008 00:08:47	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	32406	No
4	GOM_TRA_1PNPDE20080512_001657_000000362068_00288_32406_7730.N1	12-MAY-2008 00:16:57	Bright	35.500	76	27Gam Cas	2.3000	30000.	71	32406	No
5	GOM_TRA_1PNPDE20080512_001812_000000362068_00288_32406_7731.N1	12-MAY-2008 00:18:12	Bright	35.500	68	18Alp Cas	2.2250	4500.0	71	32406	No
6	GOM_TRA_1PNPDE20080512_002627_000000382068_00288_32406_7732.N1	12-MAY-2008 00:26:27	Bright	38.000	58	21Alp And	2.0730	11000.	76	32406	No
7	GOM_TRA_1PNPDE20080512_003030_000000402068_00288_32406_7733.N1	12-MAY-2008 00:30:30	Twilight	40.000	140	88Gam Peg	2.8340	26000.	80	32406	No
8	GOM_TRA_1PNPDE20080512_003914_000000422068_00288_32406_7734.N1	12-MAY-2008 00:39:14	Dark	41.500	52	16Bet Cet	2.0370	4500.0	83	32406	No
9	GOM_TRA_1PNPDE20080512_004603_000000422068_00288_32406_7879.N1	12-MAY-2008 00:46:03	Dark	42.000	84	Alp Phe	2.3970	4500.0	84	32406	No
10	GOM_TRA_1PNPDE20080512_004950_000000472068_00288_32406_7880.N1	12-MAY-2008 00:49:50	Dark	46.500	63	Bet Gru	2.1500	2800.0	93	32406	No

11	GOM_TRA_1PNPDE20080512_005112_000000442068_00288_32406_7881.N1	12-MAY-2008 00:51:12	Dark	44.000	31	Alp Gru	1.7340	15200.	88	32406	No
12	GOM_TRA_1PNPDE20080512_005312_000000412068_00289_32407_7882.N1	12-MAY-2008 00:53:12	Dark	41.000	148	Alp Tuc	2.8780	4100.0	82	32407	No
13	GOM_TRA_1PNPDE20080512_005647_000000422068_00289_32407_7883.N1	12-MAY-2008 00:56:47	Dark	41.500	45	Alp Pav	1.9400	26000.	83	32407	No
14	GOM_TRA_1PNPDE20080512_010229_000000422068_00289_32407_7884.N1	12-MAY-2008 01:02:29	Straylight	41.500	43	Alp TrA	1.9100	4250.0	83	32407	No
15	GOM_TRA_1PNPDE20080512_010440_000000392068_00289_32407_7885.N1	12-MAY-2008 01:04:40	Straylight	38.500	134	Bet TrA	2.8100	6600.0	77	32407	No
16	GOM_TRA_1PNPDE20080512_010627_000000442068_00289_32407_7886.N1	12-MAY-2008 01:06:27	Straylight	44.000	4	Alp1Cen	-0.010000	5800.0	88	32407	No
17	GOM_TRA_1PNPDE20080512_011000_000000382068_00289_32407_7887.N1	12-MAY-2008 01:10:00	Straylight	38.000	78	Alp Lup	2.3040	28000.	76	32407	No
18	GOM_TRA_1PNPDE20080512_011131_000000392068_00289_32407_7888.N1	12-MAY-2008 01:11:31	Twilight	38.500	81	Eta Cen	2.3560	28000.	77	32407	No
19	GOM_TRA_1PNPDE20080512_011328_000000442068_00289_32407_7889.N1	12-MAY-2008 01:13:28	Twilight	44.000	54	5The Cen	2.0550	4500.0	88	32407	No
20	GOM_TRA_1PNPDE20080512_011847_000000392068_00289_32407_7890.N1	12-MAY-2008 01:18:47	Bright	38.500	122	9Alp2Lib	2.7470	9700.0	77	32407	No
21	GOM_TRA_1PNPDE20080512_012053_000000382068_00289_32407_7891.N1	12-MAY-2008 01:20:53	Bright	38.000	15	67Alp Vir	0.97600	28000.	76	32407	No
22	GOM_TRA_1PNPDE20080512_012715_000000352068_00289_32407_7892.N1	12-MAY-2008 01:27:15	Bright	35.000	138	47Eps Vir	2.8280	4700.0	70	32407	No
23	GOM_TRA_1PNPDE20080512_012858_000000362068_00289_32407_7893.N1	12-MAY-2008 01:28:58	Bright	36.000	111	8Eta Boo	2.6800	6000.0	72	32407	No
24	GOM_TRA_1PNPDE20080512_013449_000000362068_00289_32407_7894.N1	12-MAY-2008 01:34:49	Bright	36.000	152	12Alp2CVn	2.8900	11000.	72	32407	No
25	GOM_TRA_1PNPDE20080512_013744_000000352068_00289_32407_7895.N1	12-MAY-2008 01:37:44	Bright	34.500	39	85Eta UMa	1.8540	24000.	69	32407	No
26	GOM_TRA_1PNPDE20080512_013917_000000362068_00289_32407_7896.N1	12-MAY-2008 01:39:17	Bright	36.000	55	79Zet UMa	2.0600	10200.	72	32407	No
27	GOM_TRA_1PNPDE20080512_014239_000000382068_00289_32407_7897.N1	12-MAY-2008 01:42:39	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	32407	No
28	GOM_TRA_1PNPDE20080512_014507_000000352068_00289_32407_7898.N1	12-MAY-2008 01:45:07	Bright	34.500	60	7Bet UMi	2.0810	3950.0	69	32407	No
29	GOM_TRA_1PNPDE20080512_014923_000000362068_00289_32407_7899.N1	12-MAY-2008 01:49:23	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	32407	No
30	GOM_TRA_1PNPDE20080512_015733_000000522068_00289_32407_7900.N1	12-MAY-2008 01:57:33	Bright	52.000	76	27Gam Cas	2.3000	30000.	104	32407	No
31	GOM_TRA_1PNPDE20080512_015848_000000532068_00289_32407_7901.N1	12-MAY-2008 01:58:48	Bright	53.000	68	18Alp Cas	2.2250	4500.0	106	32407	No
32	GOM_TRA_1PNPDE20080512_020703_000000362068_00289_32407_7902.N1	12-MAY-2008 02:07:03	Bright	36.000	58	21Alp And	2.0730	11000.	72	32407	No
33	GOM_TRA_1PNPDE20080512_021107_000000402068_00289_32407_7903.N1	12-MAY-2008 02:11:07	Twilight	39.500	140	88Gam Peg	2.8340	26000.	79	32407	No
34	GOM_TRA_1PNPDE20080512_021950_000000432068_00289_32407_8007.N1	12-MAY-2008 02:19:50	Dark	43.000	52	16Bet Cet	2.0370	4500.0	86	32407	No
35	GOM_TRA_1PNPDE20080512_022639_000000412068_00289_32407_8008.N1	12-MAY-2008 02:26:39	Dark	41.000	84	Alp Phe	2.3970	4500.0	82	32407	No
36	GOM_TRA_1PNPDE20080512_023026_000000452068_00289_32407_8009.N1	12-MAY-2008 02:30:26	Dark	45.000	63	Bet Gru	2.1500	2800.0	90	32407	No
37	GOM_TRA_1PNPDE20080512_023149_000000412068_00289_32407_8010.N1	12-MAY-2008 02:31:49	Dark	40.500	31	Alp Gru	1.7340	15200.	81	32407	No
38	GOM_TRA_1PNPDE20080512_023349_000000392068_00290_32408_8011.N1	12-MAY-2008 02:33:49	Dark	38.500	148	Alp Tuc	2.8780	4100.0	77	32408	No
39	GOM_TRA_1PNPDE20080512_023724_000000402068_00290_32408_8012.N1	12-MAY-2008 02:37:24	Dark	39.500	45	Alp Pav	1.9400	26000.	79	32408	No
40	GOM_TRA_1PNPDE20080512_024305_000000382068_00290_32408_8013.N1	12-MAY-2008 02:43:05	Straylight	37.500	43	Alp TrA	1.9100	4250.0	75	32408	No
41	GOM_TRA_1PNPDE20080512_024516_000000372068_00290_32408_8014.N1	12-MAY-2008 02:45:16	Straylight	37.000	134	Bet TrA	2.8100	6600.0	74	32408	No
42	GOM_TRA_1PNPDE20080512_024704_000000482068_00290_32408_8015.N1	12-MAY-2008 02:47:04	Straylight	47.500	4	Alp1Cen	-0.010000	5800.0	95	32408	No
43	GOM_TRA_1PNPDE20080512_025036_000000392068_00290_32408_8016.N1	12-MAY-2008 02:50:36	Straylight	38.500	78	Alp Lup	2.3040	28000.	77	32408	No
44	GOM_TRA_1PNPDE20080512_025207_000000392068_00290_32408_8017.N1	12-MAY-2008 02:52:07	Twilight	39.000	81	Eta Cen	2.3560	28000.	78	32408	No
45	GOM_TRA_1PNPDE20080512_025404_000000452068_00290_32408_8018.N1	12-MAY-2008 02:54:04	Twilight	45.000	54	5The Cen	2.0550	4500.0	90	32408	No
46	GOM_TRA_1PNPDE20080512_025923_000000392068_00290_32408_8019.N1	12-MAY-2008 02:59:23	Bright	38.500	122	9Alp2Lib	2.7470	9700.0	77	32408	No
47	GOM_TRA_1PNPDE20080512_030129_000000382068_00290_32408_8020.N1	12-MAY-2008 03:01:29	Bright	37.500	15	67Alp Vir	0.97600	28000.	75	32408	No
48	GOM_TRA_1PNPDE20080512_030751_000000352068_00290_32408_8021.N1	12-MAY-2008 03:07:51	Bright	34.500	138	47Eps Vir	2.8280	4700.0	69	32408	No
49	GOM_TRA_1PNPDE20080512_030934_000000362068_00290_32408_8022.N1	12-MAY-2008 03:09:34	Bright	35.500	111	8Eta Boo	2.6800	6000.0	71	32408	No
50	GOM_TRA_1PNPDE20080512_031525_000000352068_00290_32408_8023.N1	12-MAY-2008 03:15:25	Bright	34.500	152	12Alp2CVn	2.8900	11000.	69	32408	No

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



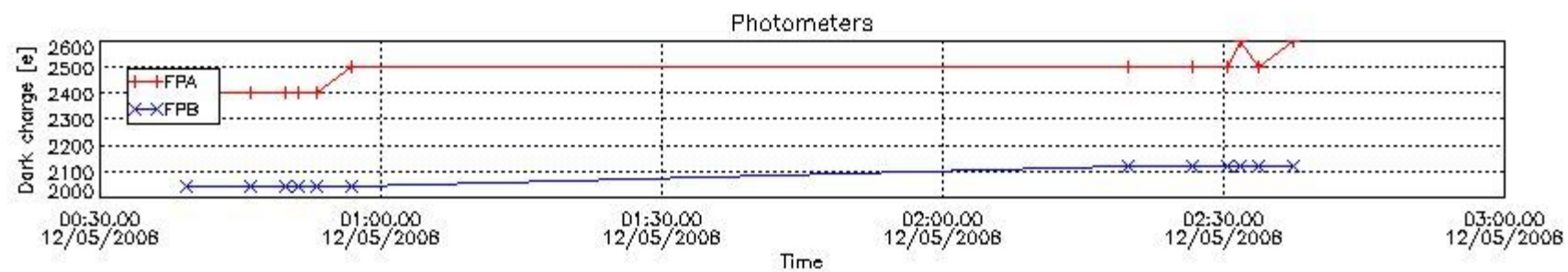
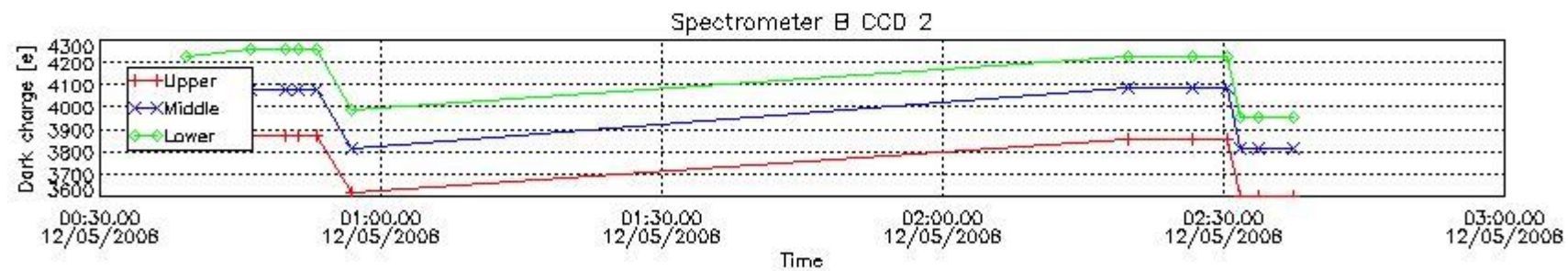
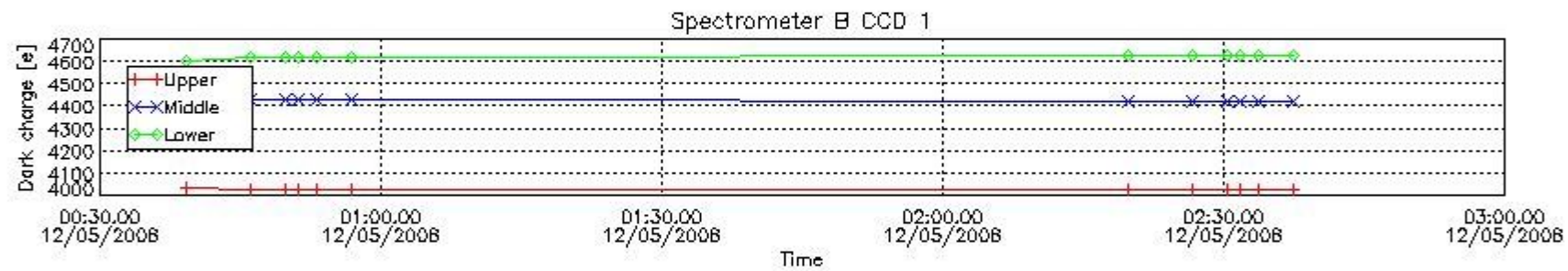
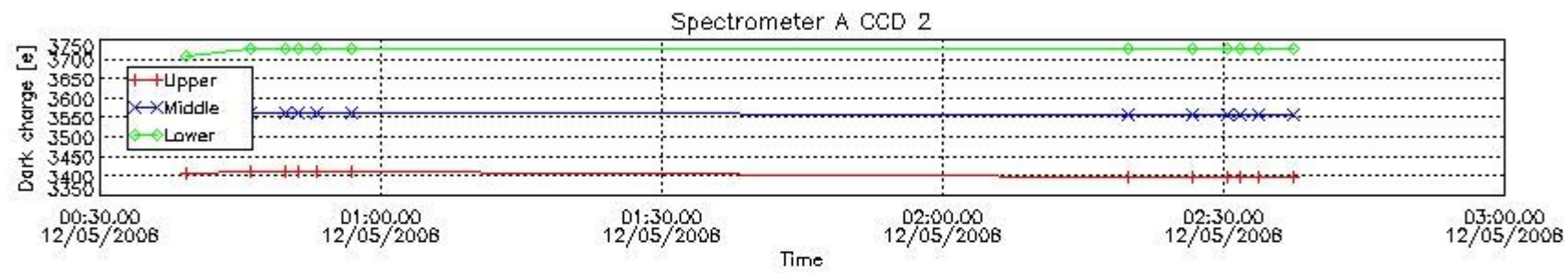
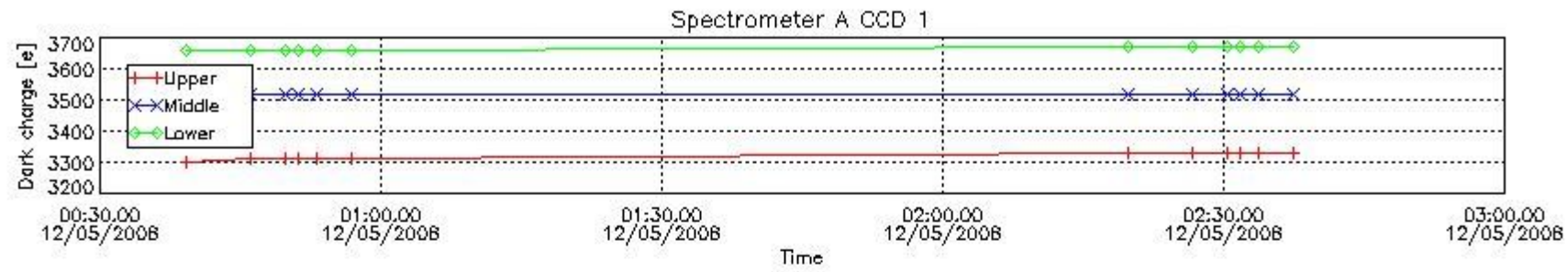
4. Overview of dark signal processing per product

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



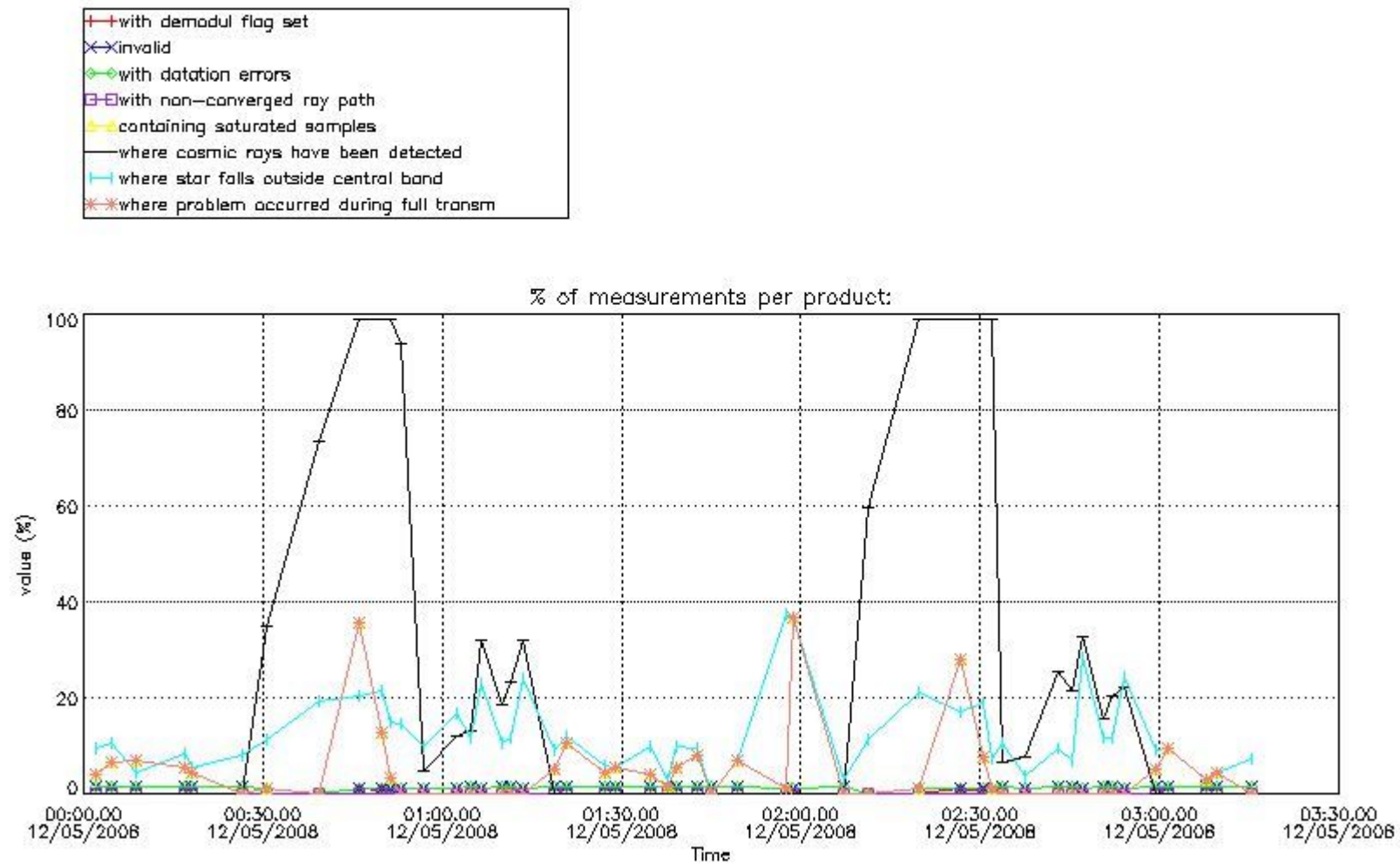
5. Demodulation flag and quality information monitoring

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.

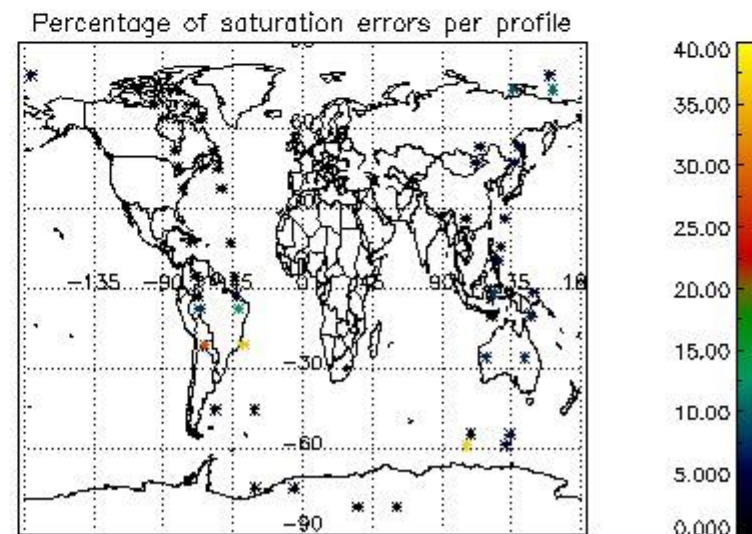
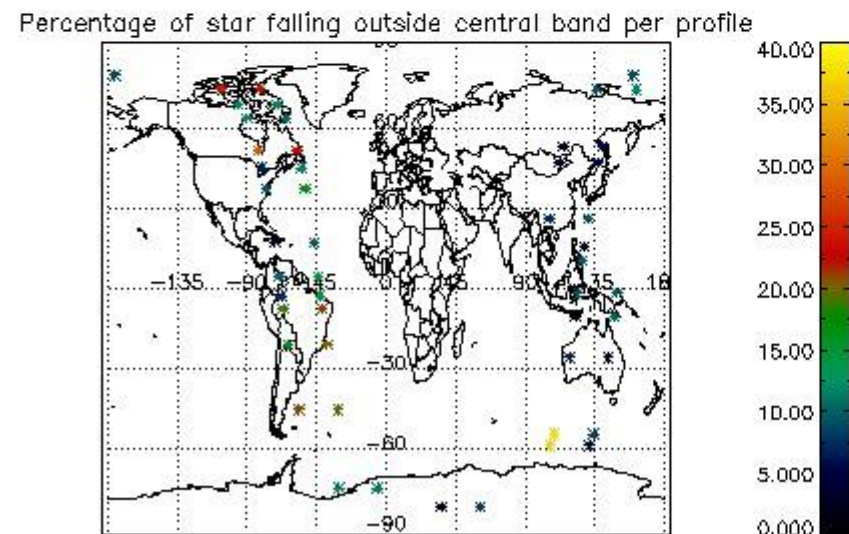
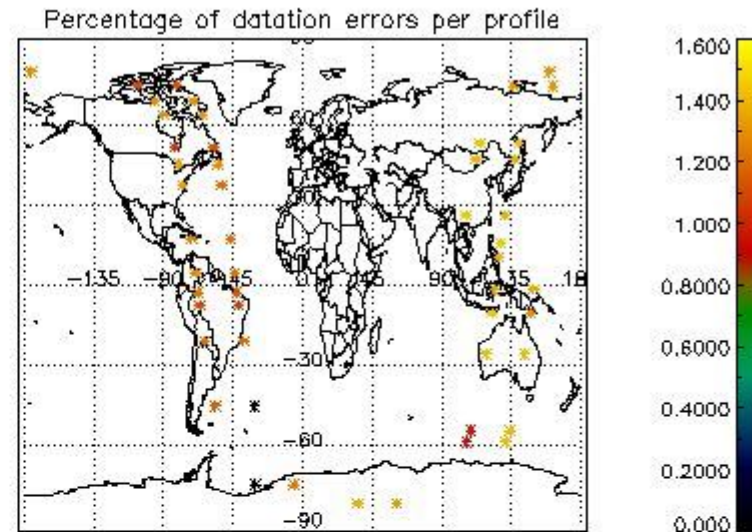
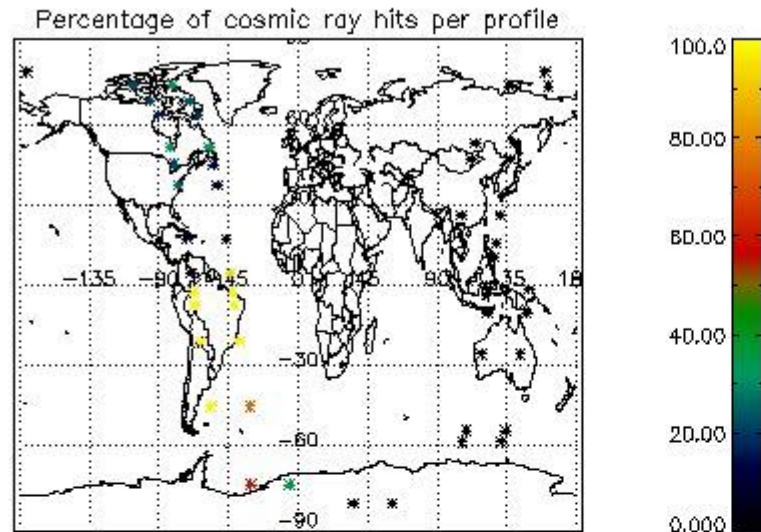
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	34.0000 %
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)



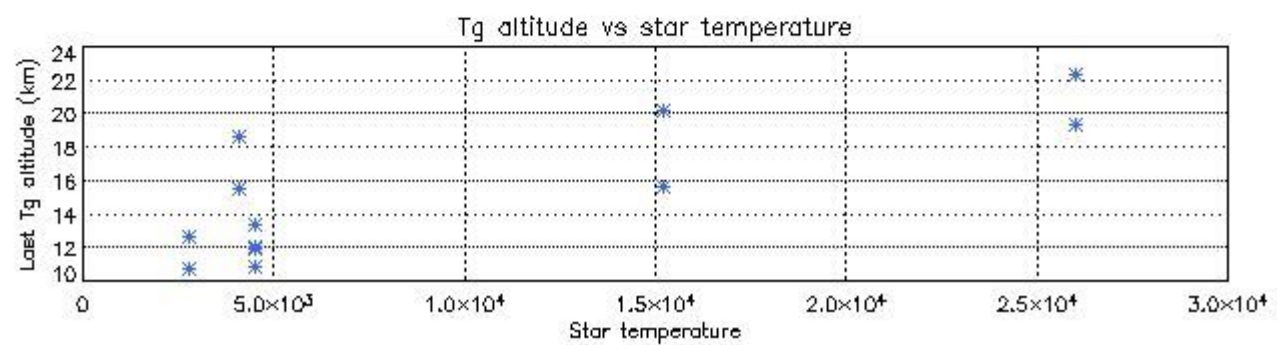
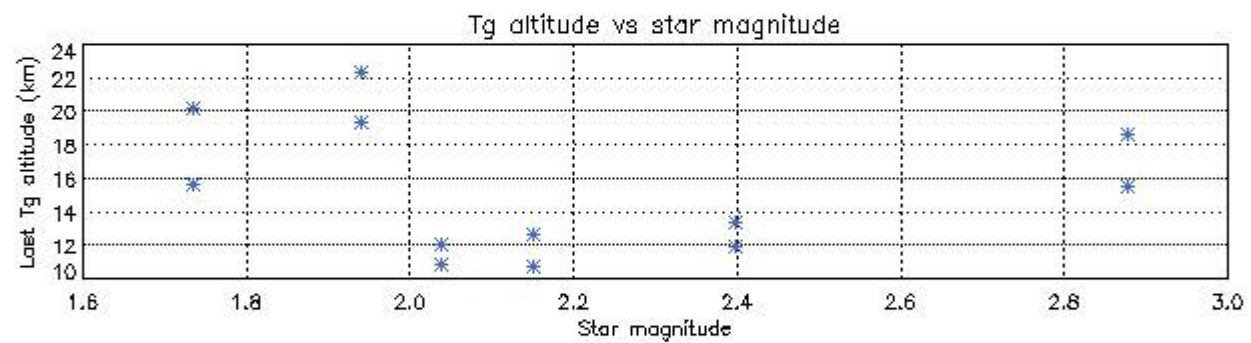
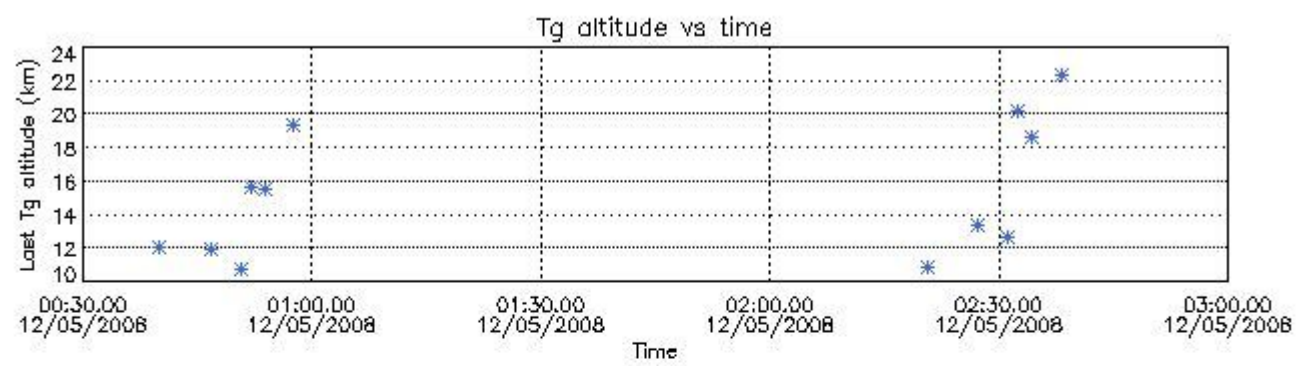
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.258	19.441	16.492
St. deviation:	3.9874	5.2939	0.65132
Maximum:	22.370	25.831	16.953
Minimum:	10.754	3.6082	16.031
Number of data:	12.000	24.000	2.0000

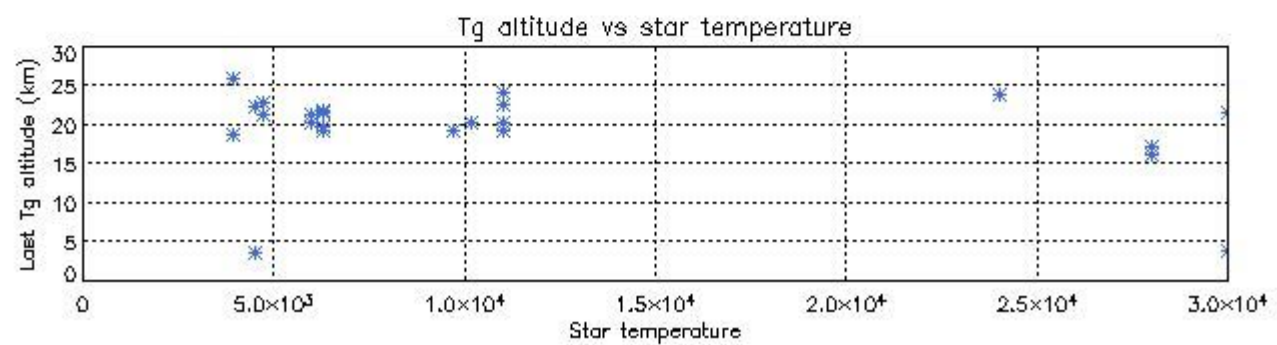
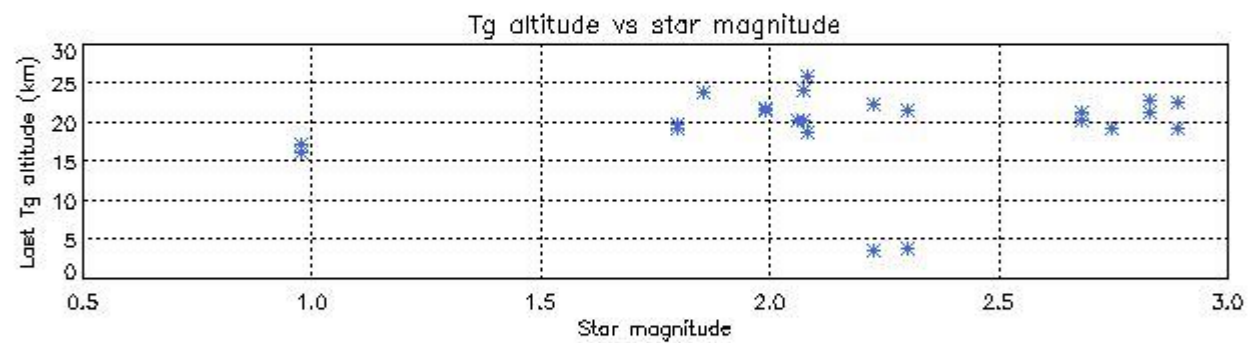
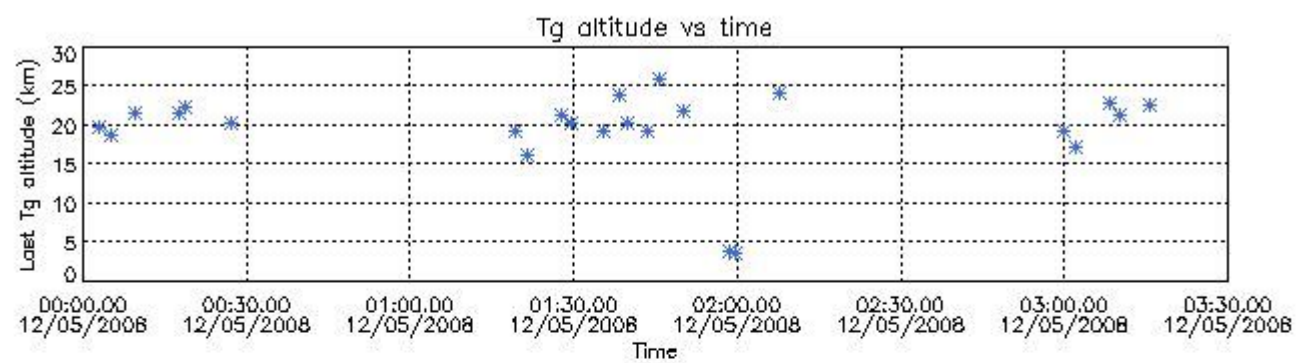
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



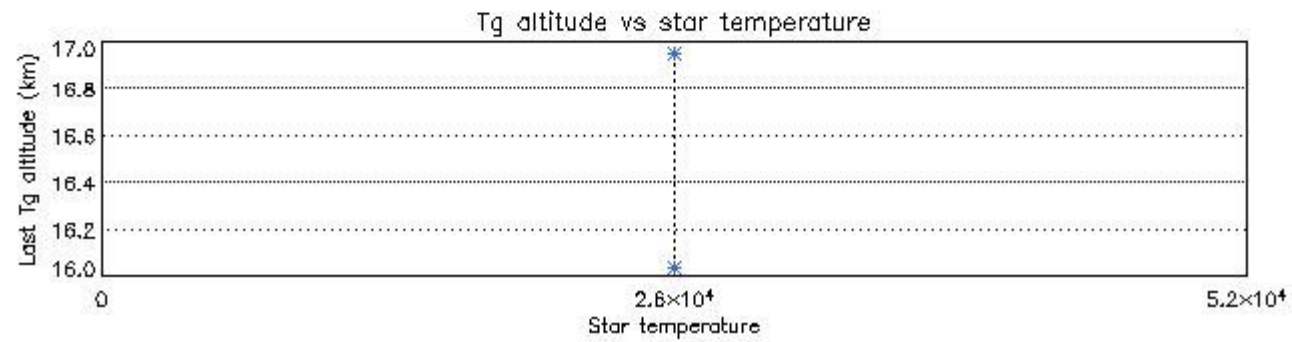
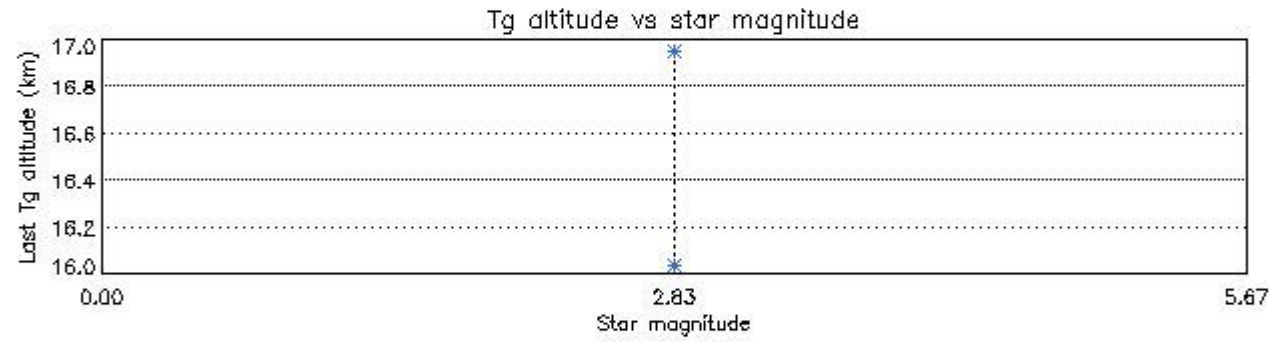
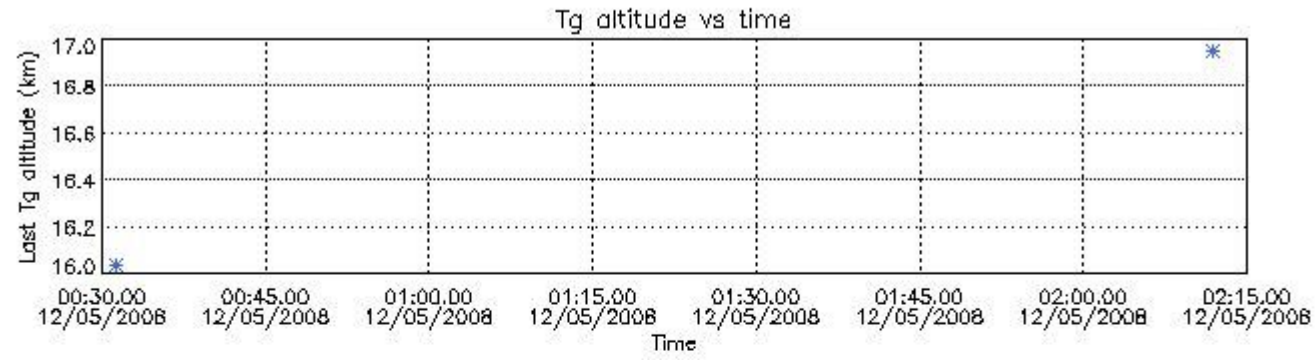
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

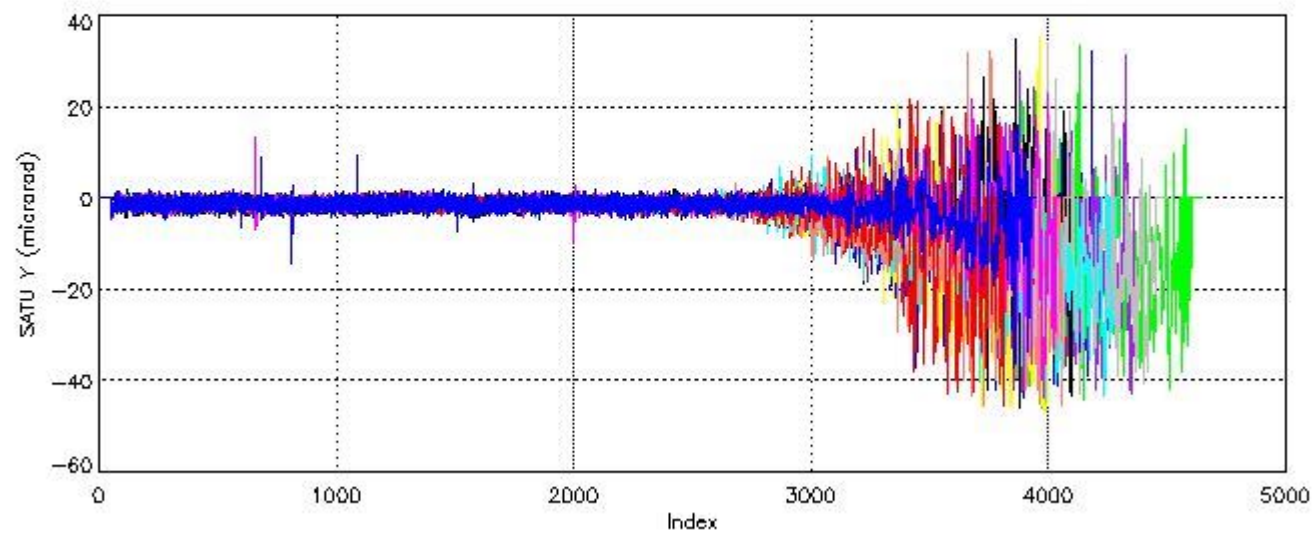
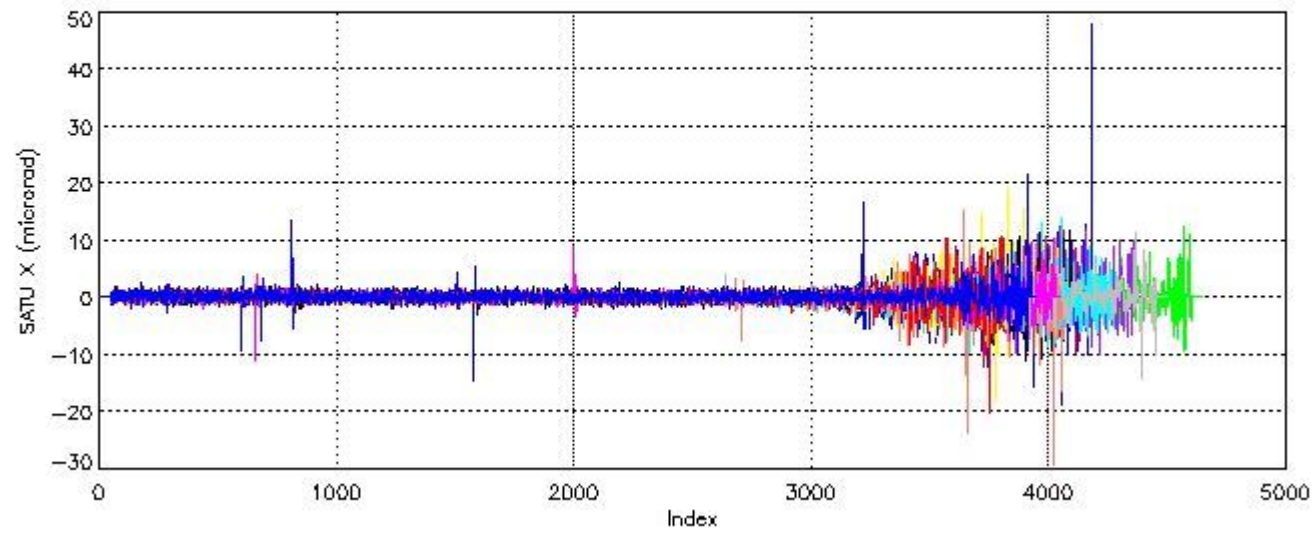


7. Star Acquisition and Tracking Unit (SATU)

The Star Acquisition and Tracking Unit (SATU) analyses the position of the tracked star beam collected by the GOMOS telescope and deflected by the optical beam dispatcher. The main function of the SATU is to detect a star, provide its image position to the science data electronics and to help the pointing function to keep the star image at a fixed position. In tracking mode the SATU data is recorded with a frequency of 100 Hz.

7.1 SATU 'X' and 'Y' axis plots (dark limb)

SATU CCD 'X' and 'Y' axis plots are provided in order to detect any abnormal behaviour of the tracking system. For every occultation (color) the plot should remain stable (with some noise) until we are deep in the atmosphere where big fluctuations are registered due to the refractive effects.



7.2 Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere.

Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.069098	-1.3379	0.067092	-1.3539
St. deviation:	0.47696	0.90453	0.75645	1.2020
Maximum:	13.400	13.300	4.7000	5.5000
Minimum:	-11.100	-14.600	-5.5000	-8.6000

Number of data:	10900.	10900.	19700.	19700.
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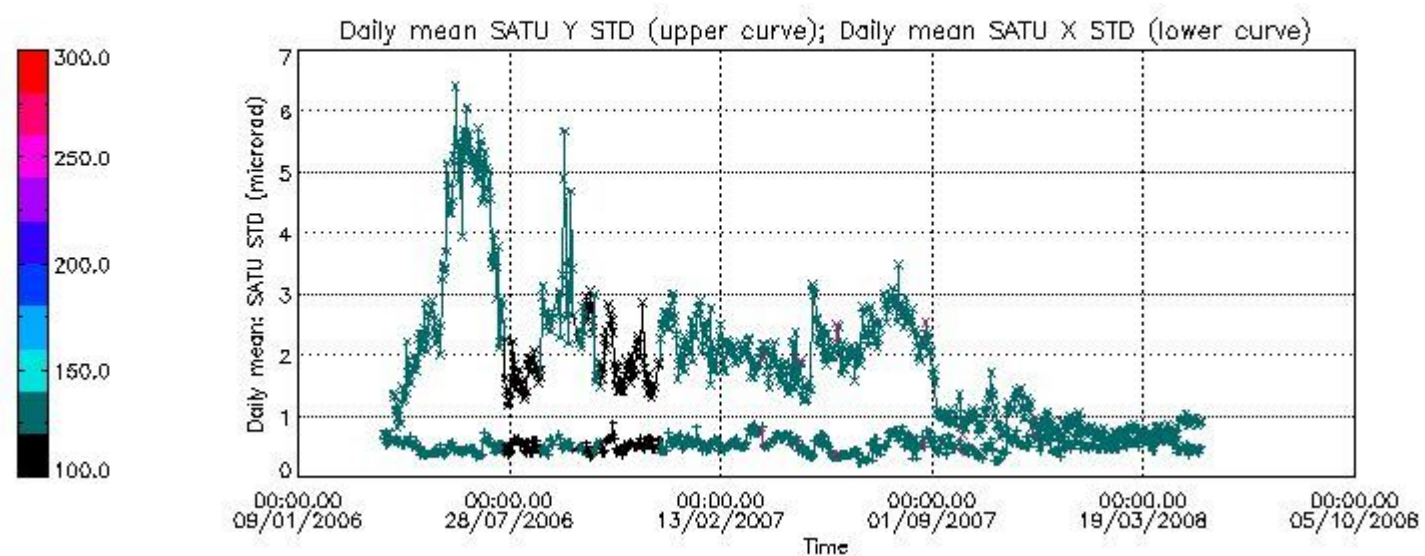
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

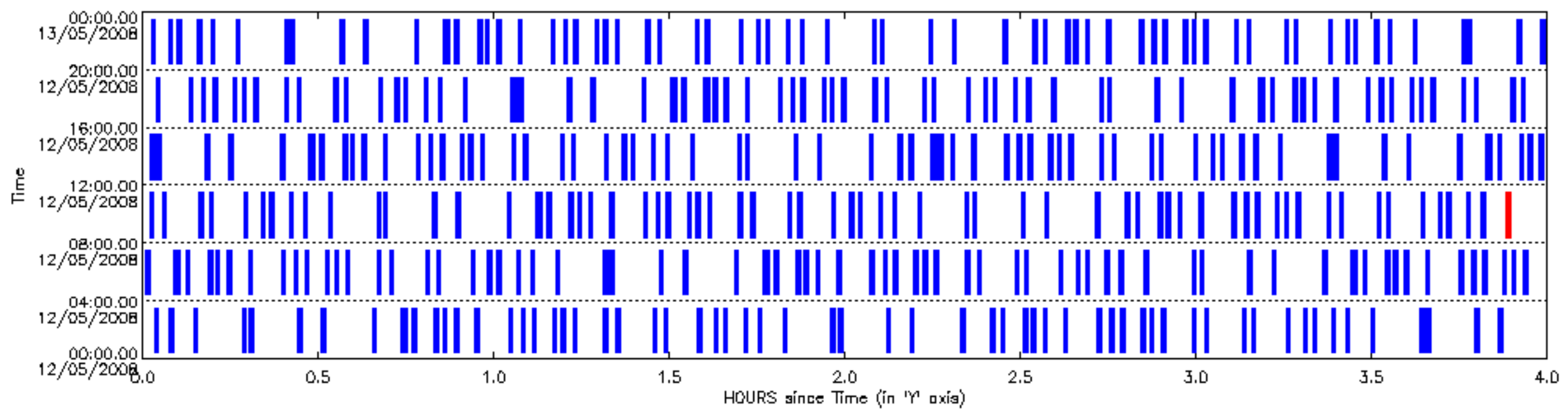
Lower curve: STD of SATU X axis

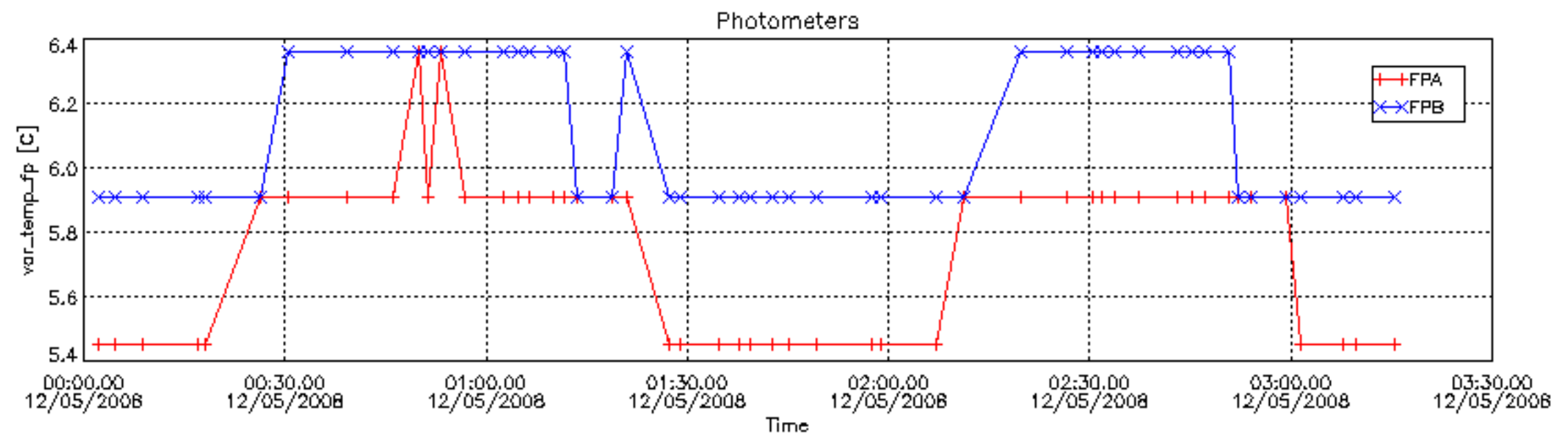
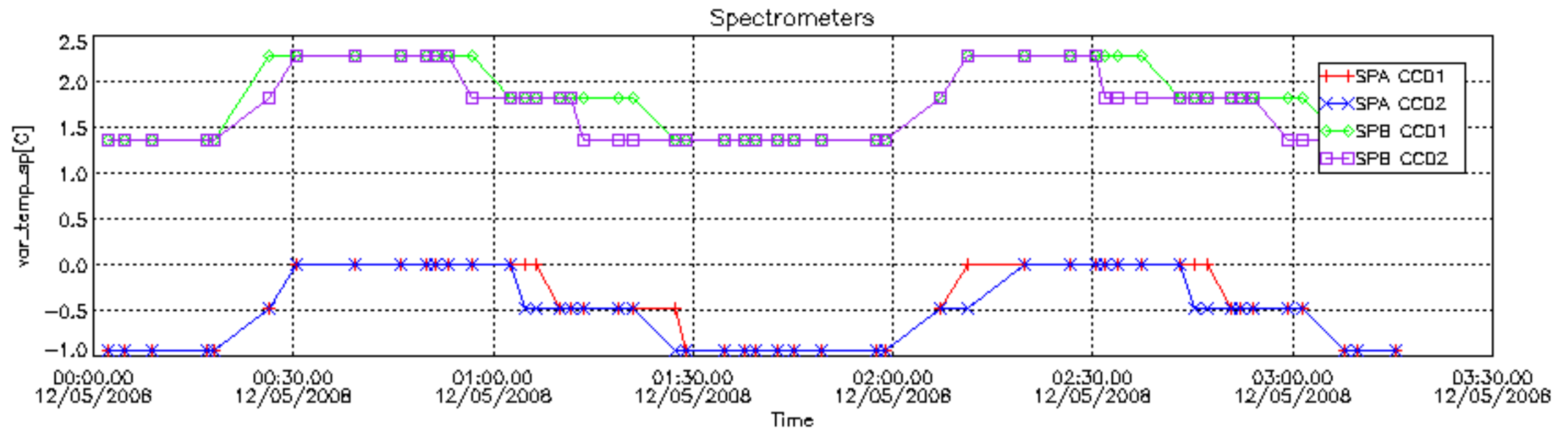


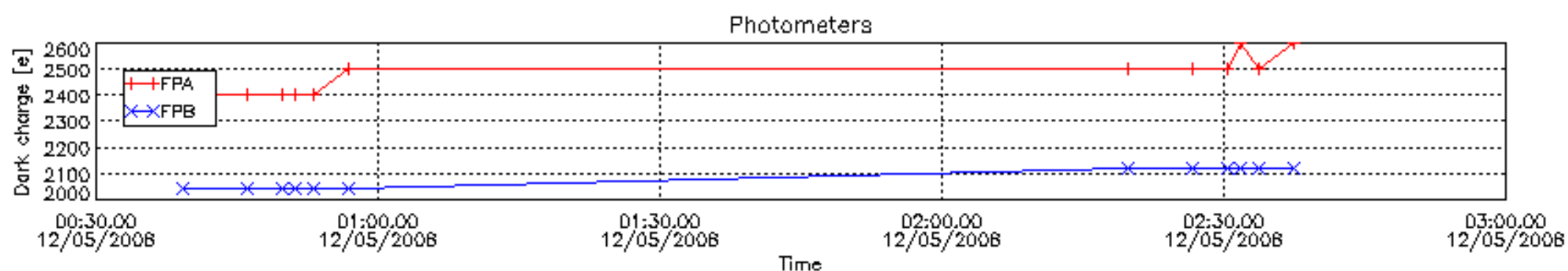
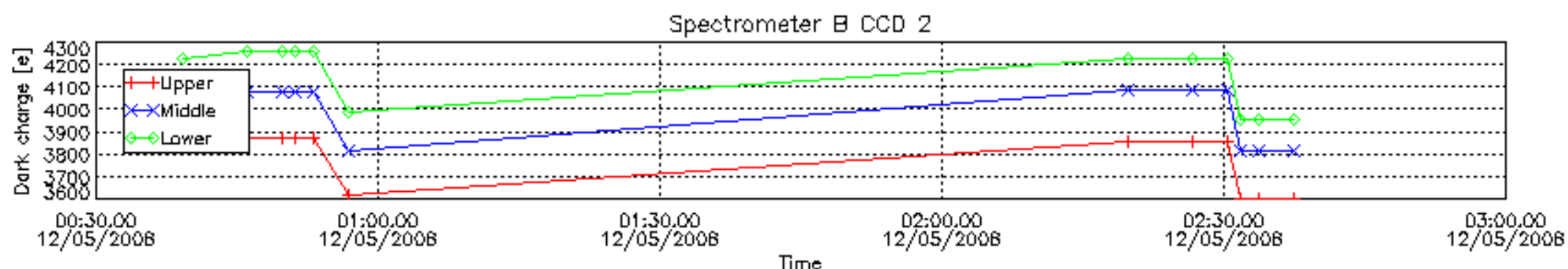
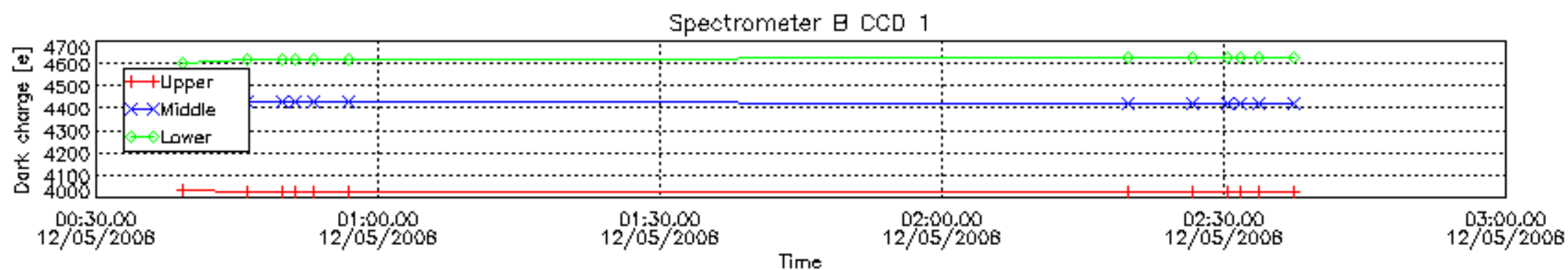
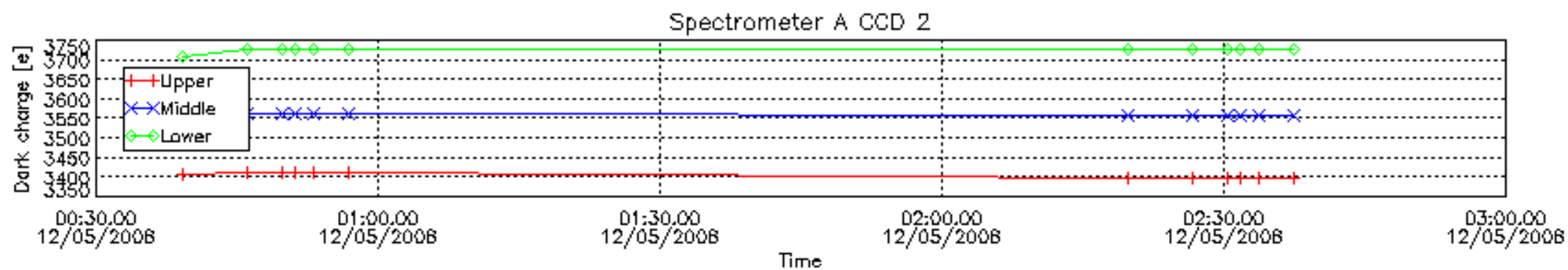
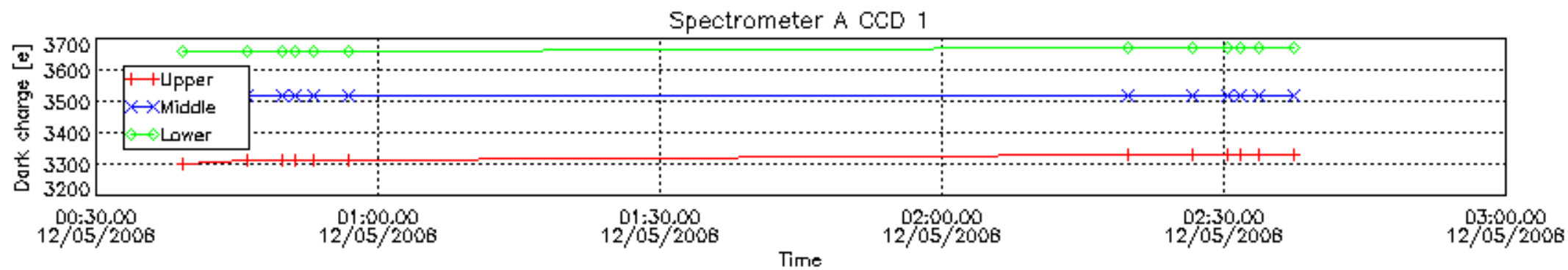
8. Auxiliary Data Files used for the production reported in section 2.4

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.

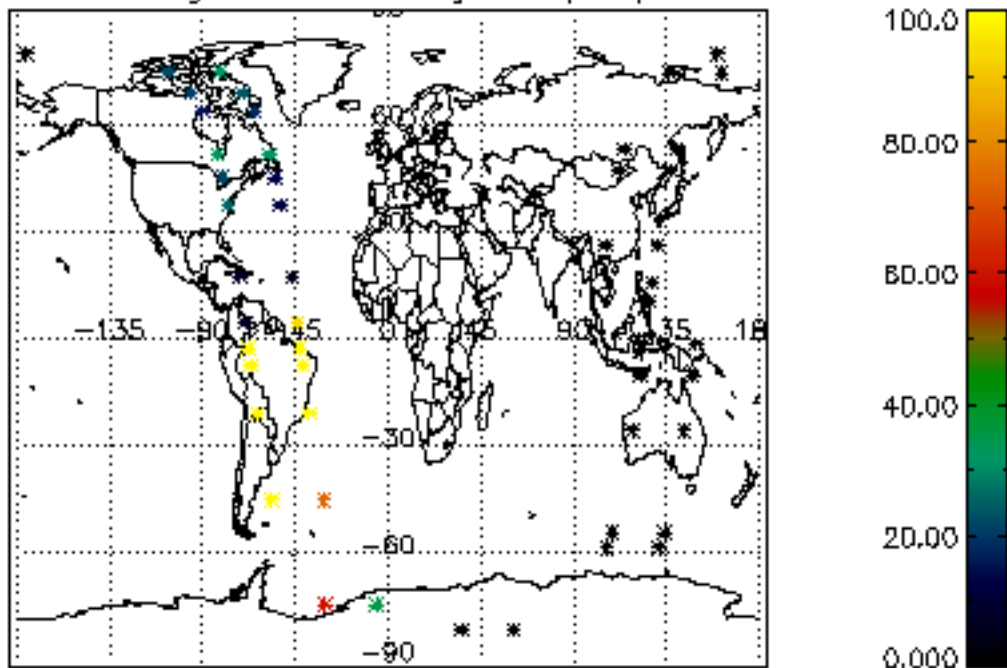
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	12-MAY-2008 00:02:03
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20080502_144908_20080430_000000_20100101_000000	1	12-MAY-2008 00:02:03
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	12-MAY-2008 00:02:03
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	12-MAY-2008 00:02:03
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	12-MAY-2008 00:02:03
ECMWF_FILE	AUX_ECF_AXNECM20080511_072113_20080511_210000_20080512_090000	1	12-MAY-2008 00:02:03
OPTIONAL_ECMWF_FILE	MISSING	1	12-MAY-2008 00:02:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080511_211731_000057382068_00286_32404_5511.N1	1	12-MAY-2008 00:02:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080511_225828_000057382068_00287_32405_5512.N1	9	12-MAY-2008 00:46:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080512_003925_000054192068_00288_32406_5513.N1	34	12-MAY-2008 02:19:50



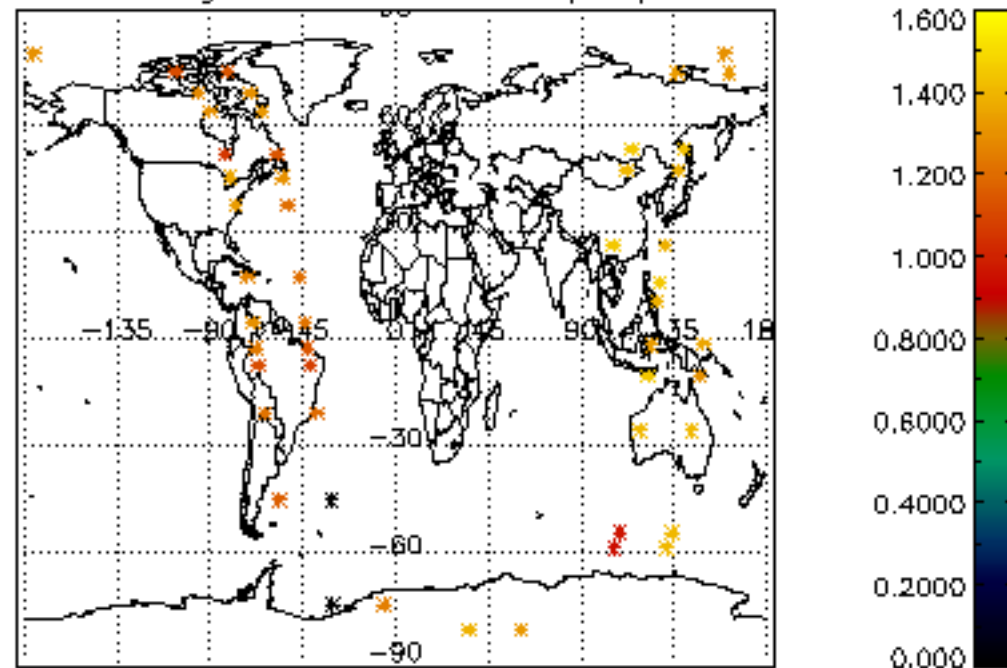




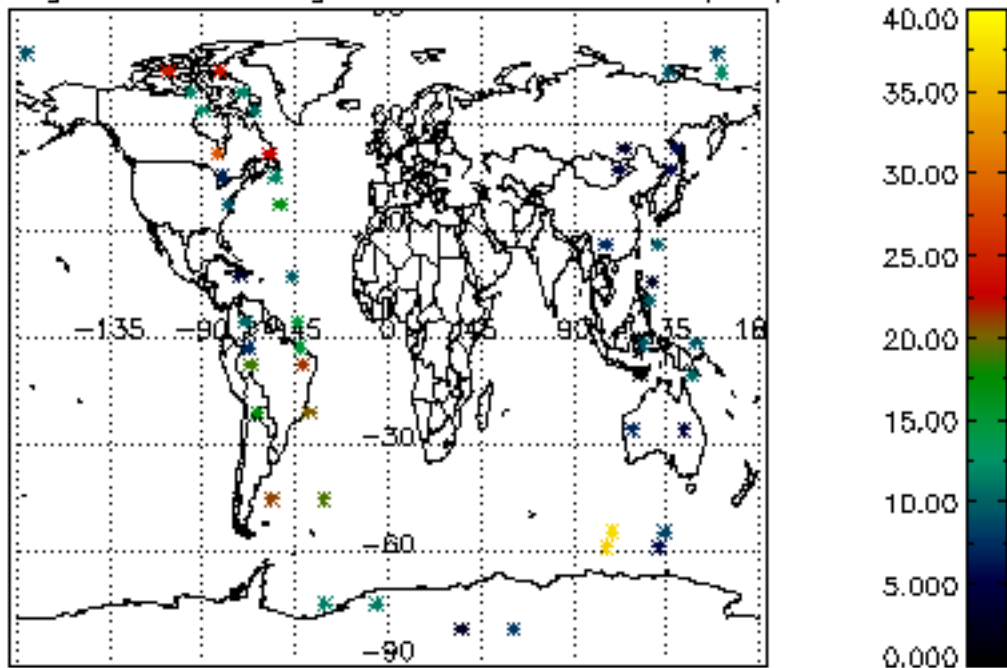
Percentage of cosmic ray hits per profile



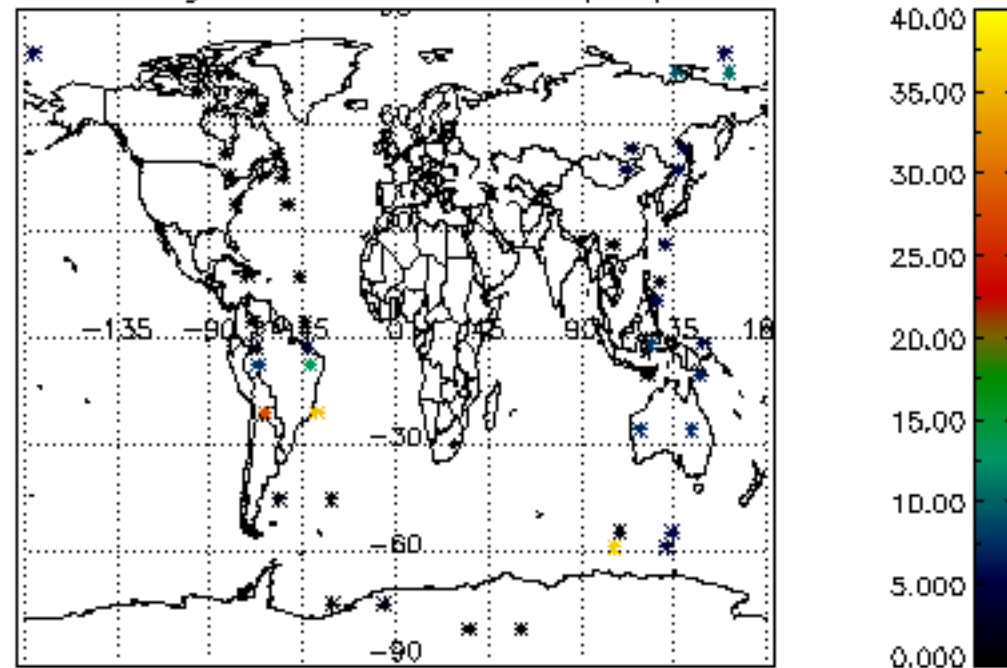
Percentage of datation errors per profile



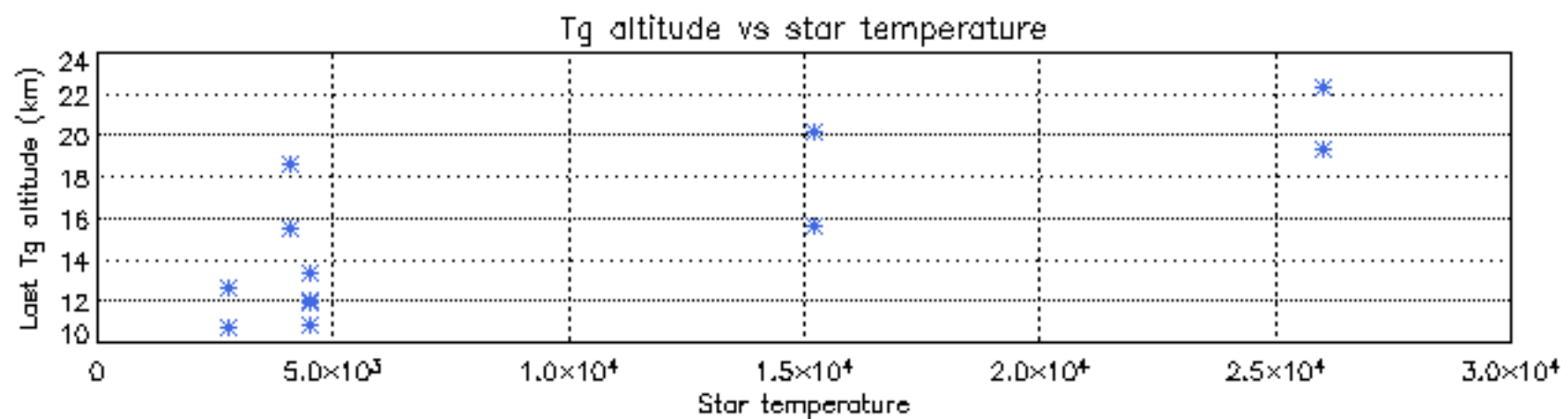
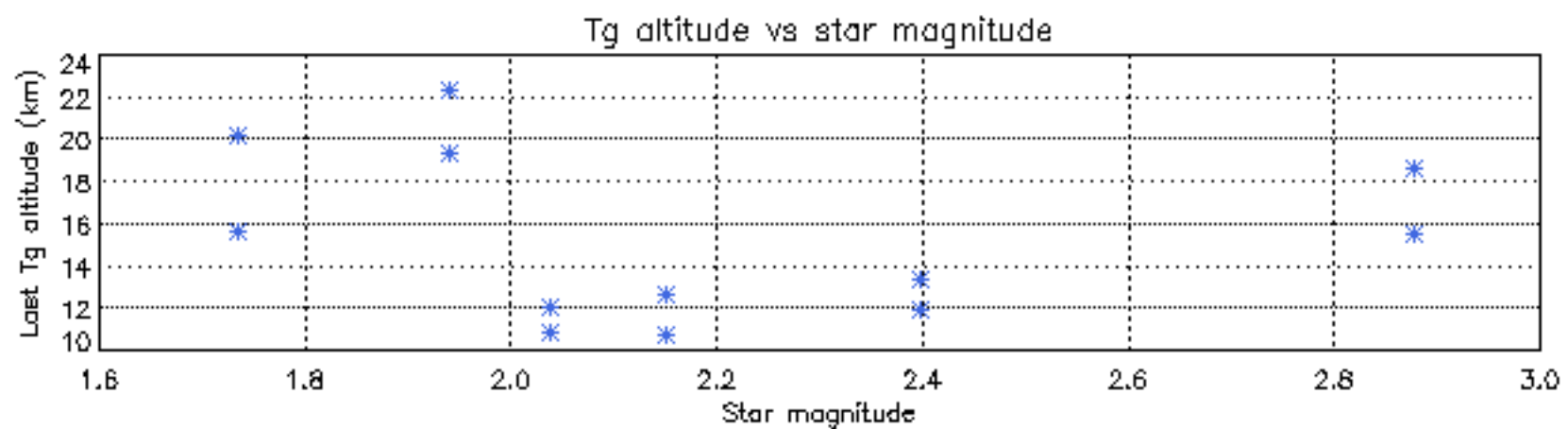
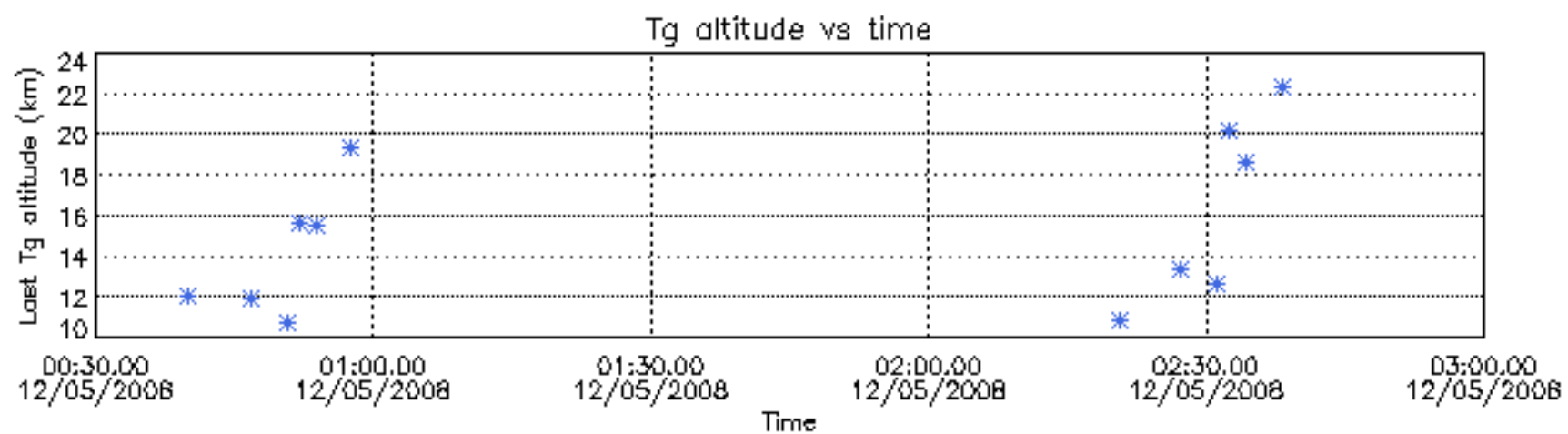
Percentage of star falling outside central band per profile



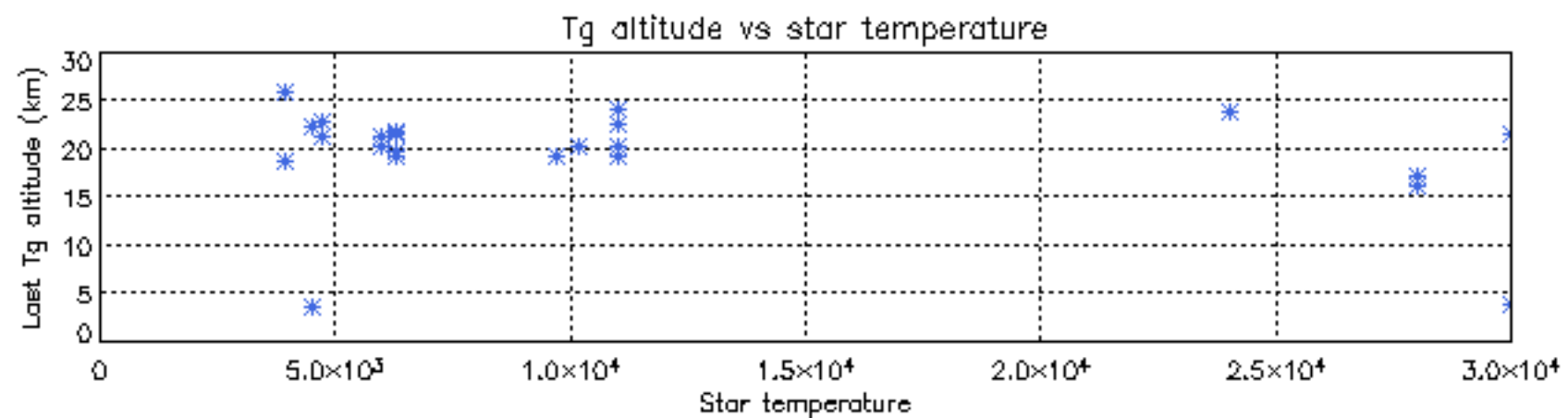
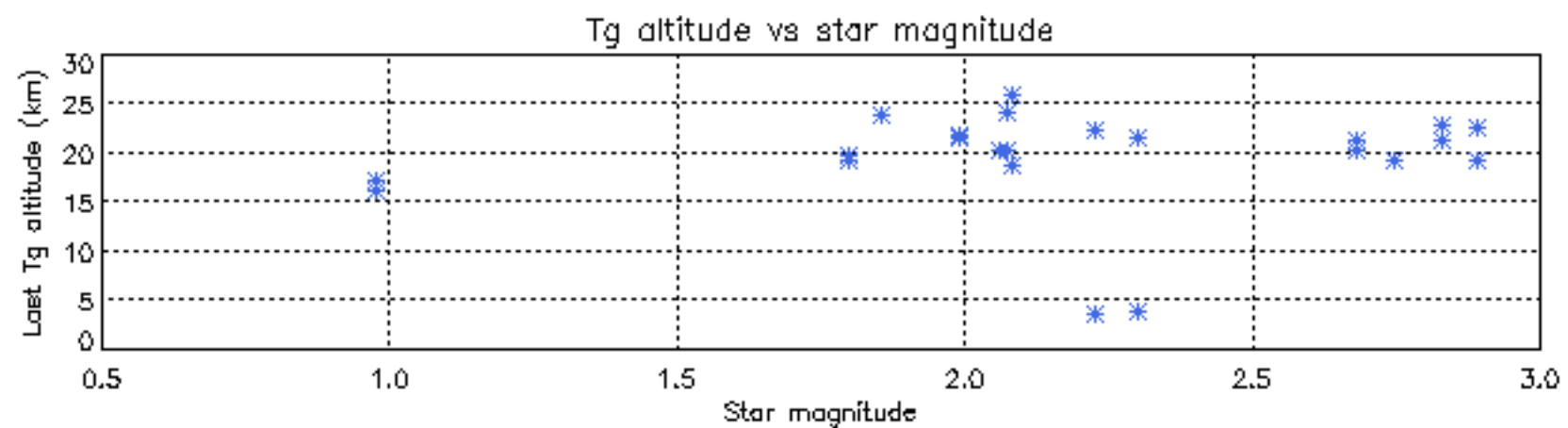
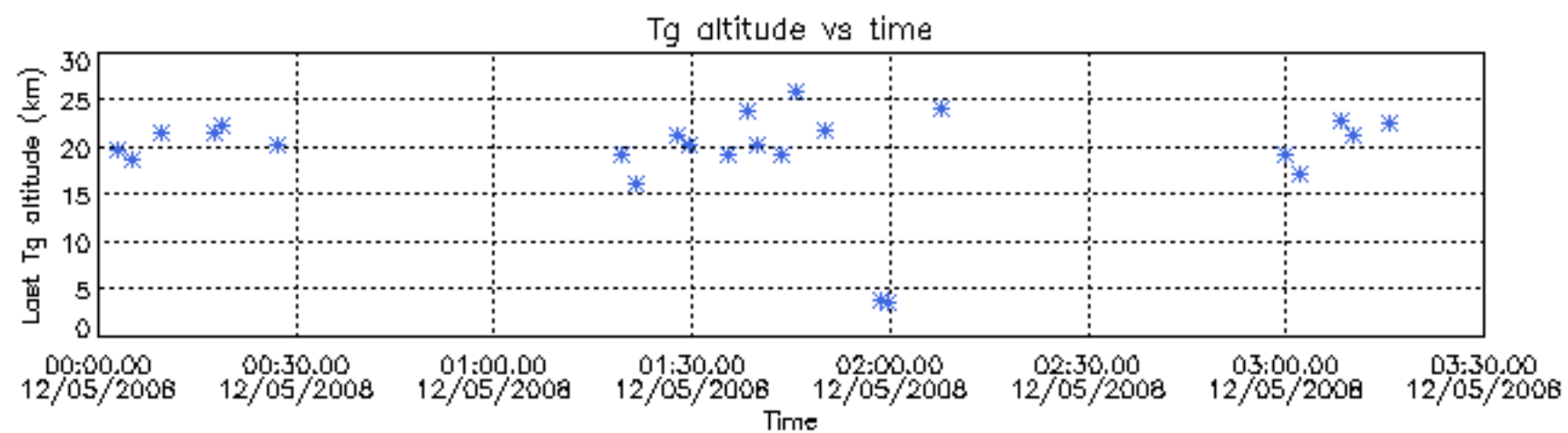
Percentage of saturation errors per profile



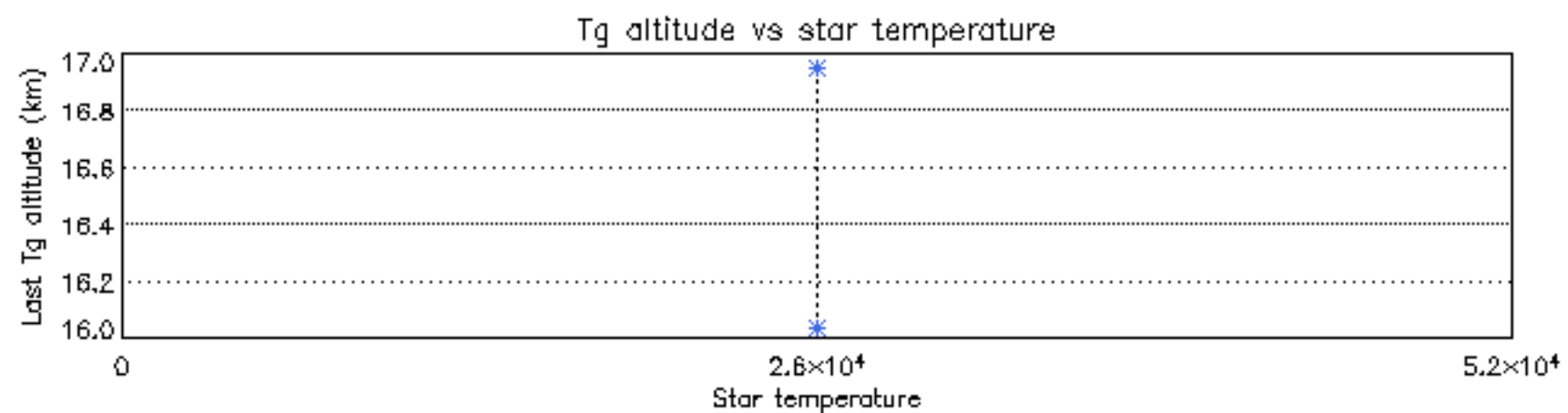
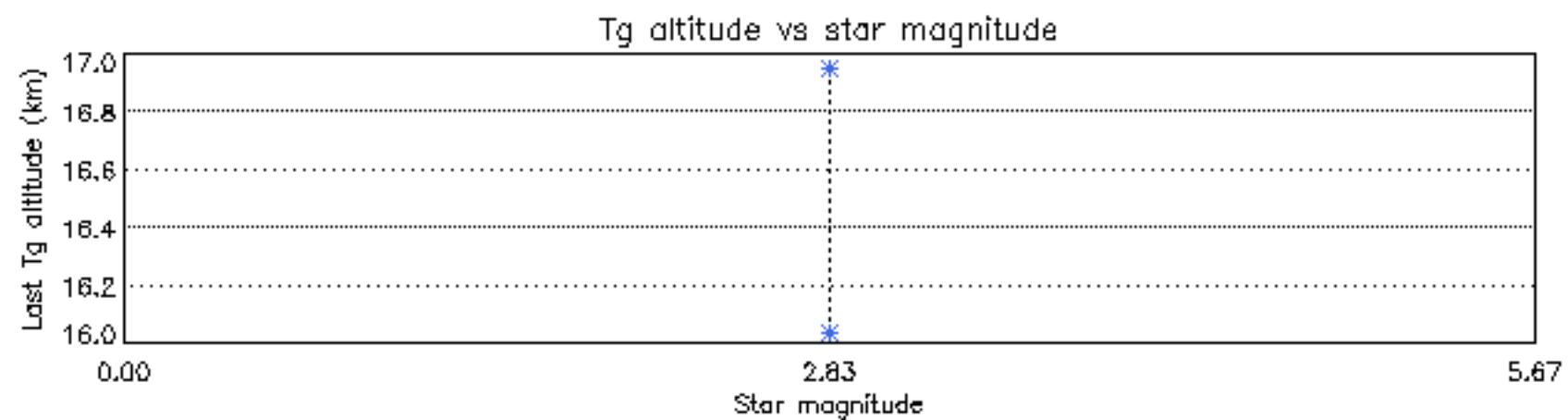
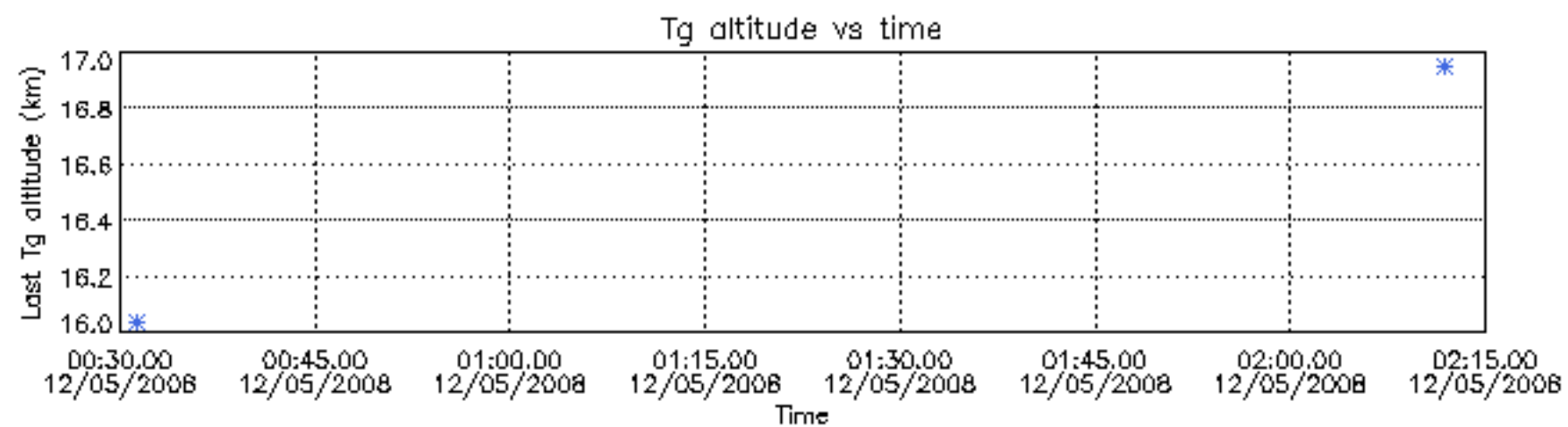
Tangent altitude at which the star is lost

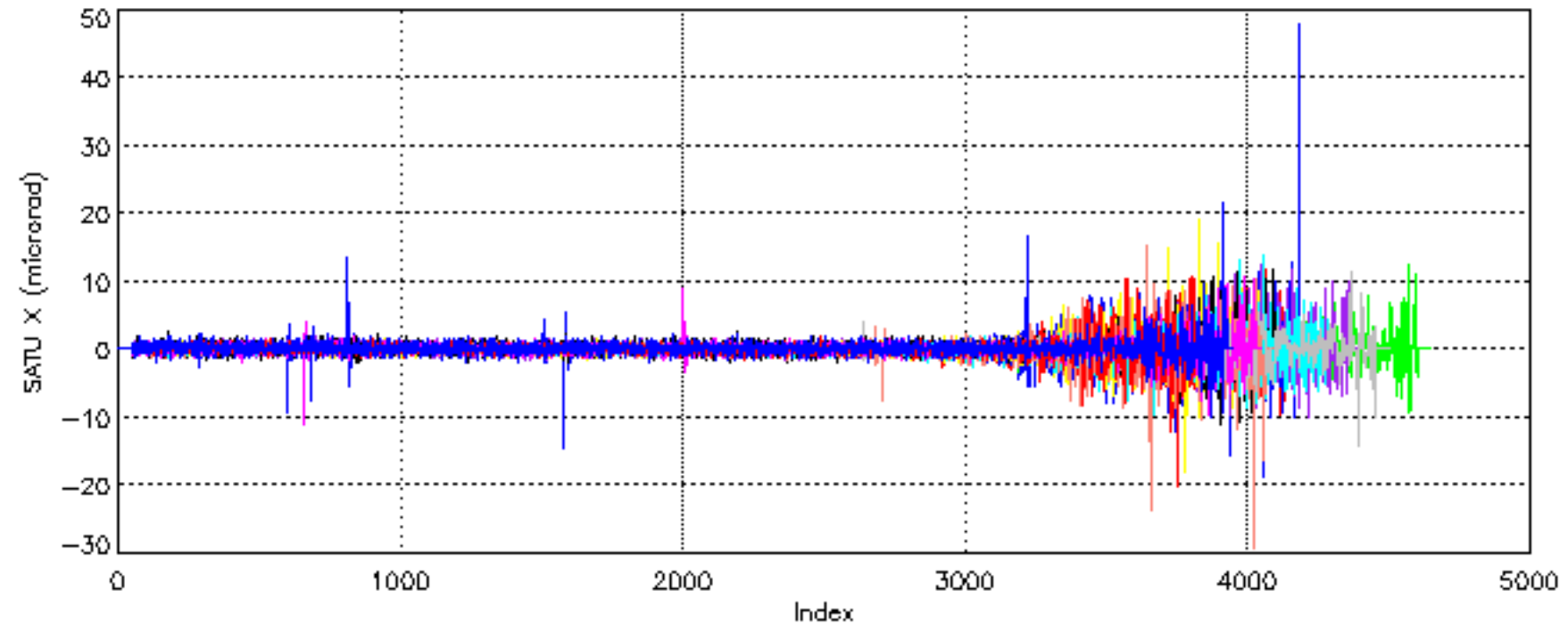


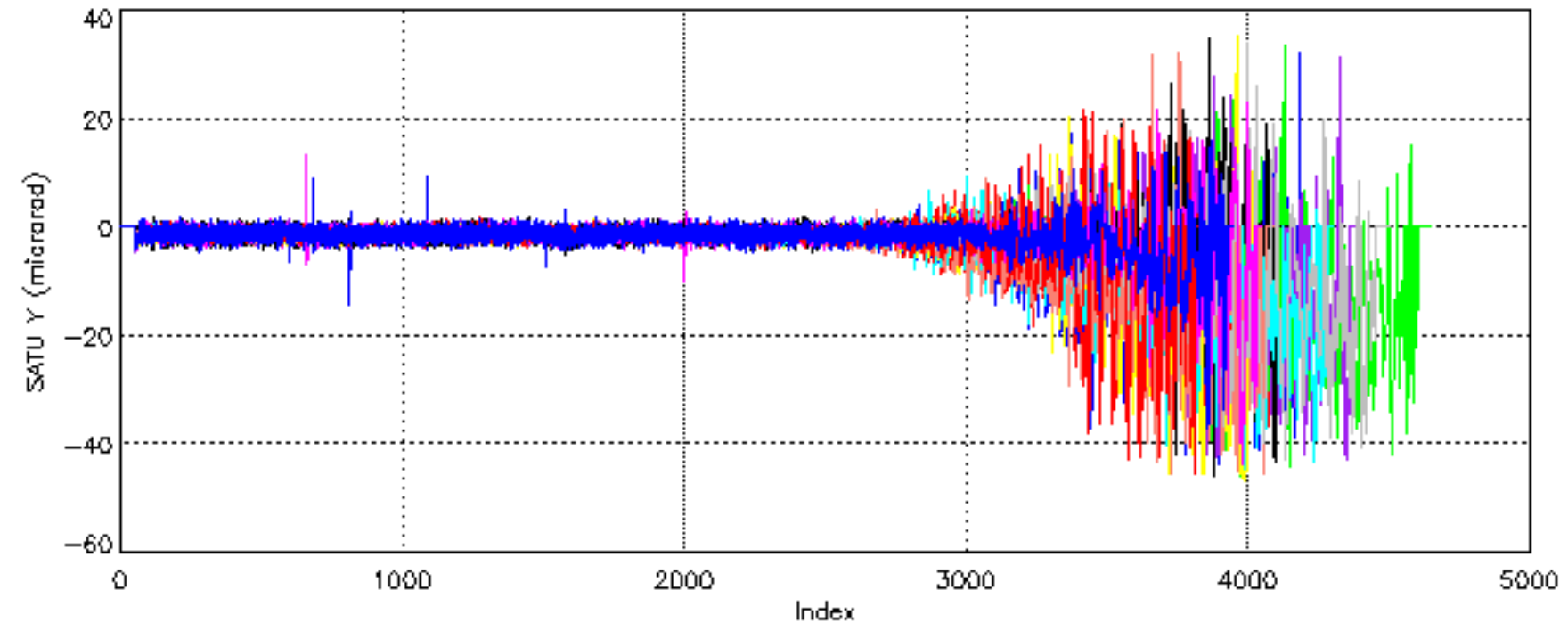
Tangent altitude at which the star is lost

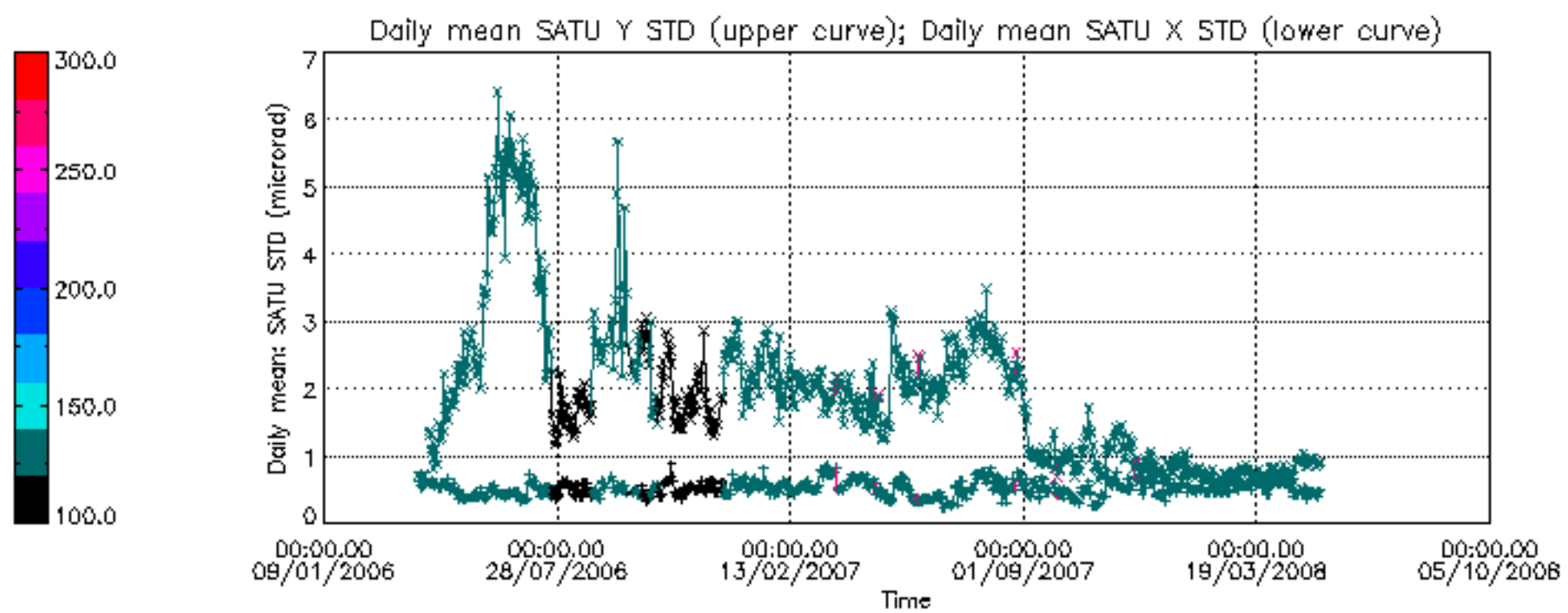


Tangent altitude at which the star is lost









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 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
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 11; 1257.2; 01-MAY-2008 01:58:52; Dark ; 42.5; 54; 5The Cen ; 2.06; 4500;occ; 85; 0;32250
 12; 1513.6; 01-MAY-2008 02:03:09; Dark ; 41.0; 169; 46Gam Hya ; 2.99; 4700;occ; 82; 0;32250
 13; 1712.8; 01-MAY-2008 02:06:28; Bright; 38.0; 15; 67Alp Vir ; 0.98; 28000;occ; 76; 0;32250
 14; 1897.6; 01-MAY-2008 02:09:33; Bright; 49.0; 121; 29Gam Vir ; 2.74; 7200;occ; 98; 0;32250
 15; 2096.0; 01-MAY-2008 02:12:51; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;32250
 16; 2204.4; 01-MAY-2008 02:14:40; Bright; 36.0; 62; 94Bet Leo ; 2.14; 9700;occ; 72; 0;32250
 17; 2559.7; 01-MAY-2008 02:20:35; Bright; 35.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 70; 0;32250
 18; 2729.7; 01-MAY-2008 02:23:25; Bright; 34.5; 174; 52Psi UMa ; 3.00; 4400;occ; 69; 0;32250
 19; 2833.8; 01-MAY-2008 02:25:09; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;32250
 20; 2918.7; 01-MAY-2008 02:26:34; Bright; 35.5; 82; 48Bet UMa ; 2.37; 10600;occ; 71; 0;32250
 21; 2997.3; 01-MAY-2008 02:27:52; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;32250
 22; 3444.8; 01-MAY-2008 02:35:20; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;32250

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 7; 579.7; 01-MAY-2008 03:28:11; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;32251
 8; 711.5; 01-MAY-2008 03:30:23; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32251
 9; 834.4; 01-MAY-2008 03:32:25; Dark ; 44.5; 4; Alp1Cen ; -0.01; 5800;occ; 89; 0;32251
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 11; 1000.2; 01-MAY-2008 03:35:11; Dark ; 36.5; 77; Eps Cen ; 2.30; 28000;occ; 73; 0;32251
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 13; 1257.5; 01-MAY-2008 03:39:29; Dark ; 42.5; 54; 5The Cen ; 2.06; 4500;occ; 85; 0;32251
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 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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 7; 580.1; 01-MAY-2008 05:08:47; Dark ; 40.5; 43; Alp TrA ; 1.91; 4250;occ; 81; 0;32252
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 17; 2096.4; 01-MAY-2008 05:34:03; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;32252
 18; 2205.2; 01-MAY-2008 05:35:52; Bright; 39.0; 62; 94Bet Leo ; 2.14; 9700;occ; 78; 0;32252
 19; 2559.7; 01-MAY-2008 05:41:47; Bright; 34.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 68; 0;32252


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21; 2834.3; 01-MAY-2008 05:46:21; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;32252
22; 2919.4; 01-MAY-2008 05:47:46; Bright; 36.5; 82; 48Bet UMa ; 2.37; 10600;occ; 73; 0;32252
23; 2998.0; 01-MAY-2008 05:49:05; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;32252
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 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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 9; 1899.4; 01-MAY-2008 20:36:10; Bright; 35.5; 121; 29Gam Vir ; 2.74; 7200;occ; 71; 0;32261
10; 2097.0; 01-MAY-2008 20:39:28; Bright; 35.0; 138; 47Eps Vir ; 2.83; 4700;occ; 70; 0;32261
11; 2208.0; 01-MAY-2008 20:41:19; Bright; 37.0; 62; 94Bet Leo ; 2.14; 9700;occ; 74; 0;32261
12; 2559.8; 01-MAY-2008 20:47:10; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;32261
13; 2734.1; 01-MAY-2008 20:50:05; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;32261
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17; 3444.9; 01-MAY-2008 21:01:56; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;32261
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 6; 16.0; 01-MAY-2008 21:45:22; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;32262
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11; 1002.3; 01-MAY-2008 22:01:49; Dark ; 37.5; 77; Eps Cen ; 2.30; 28000;occ; 75; 0;32262
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17; 2221.6; 08-MAY-2008 23:42:37; Bright; 35.5; 111; 8Eta Boo ; 2.68; 6000;occ; 71; 0;32363
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 3; 2111.2; 09-MAY-2008 14:46:10; Bright; 34.5; 138; 47Eps Vir ; 2.83; 4700;occ; 69; 0;32372
 4; 2221.5; 09-MAY-2008 14:48:01; Bright; 35.0; 111; 8Eta Boo ; 2.68; 6000;occ; 70; 0;32372
 5; 2566.9; 09-MAY-2008 14:53:46; Bright; 33.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 67; 0;32372
 6; 2750.2; 09-MAY-2008 14:56:49; Bright; 34.0; 39; 85Eta UMa ; 1.85; 24000;occ; 68; 0;32372
 7; 2840.6; 09-MAY-2008 14:58:20; Bright; 34.5; 55; 79Zet UMa ; 2.06; 10200;occ; 69; 0;32372
 8; 3031.3; 09-MAY-2008 15:01:30; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;32372
 9; 3195.8; 09-MAY-2008 15:04:15; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32372
 10; 3445.9; 09-MAY-2008 15:08:25; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32372
 11; 3935.0; 09-MAY-2008 15:16:34; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;32372
 12; 4009.7; 09-MAY-2008 15:17:49; Bright; 34.5; 68; 18Alp Cas ; 2.22; 4500;occ; 69; 0;32372
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 15; 5264.9; 09-MAY-2008 15:38:44; Dark ; 43.0; 52; 16Bet Cet ; 2.04; 4500;occ; 86; 0;32372
 16; 5616.6; 09-MAY-2008 15:44:36; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;32372
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 19; 5967.7; 09-MAY-2008 15:50:27; Dark ; 41.5; 31; Alp Gru ; 1.73; 15200;occ; 83; 0;32372
 20; 6096.5; 09-MAY-2008 15:52:36; Dark ; 40.5; 148; Alp Tuc ; 2.88; 4100;occ; 81; 0;32372
 21; 6303.1; 09-MAY-2008 15:56:02; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;32372
 22; 6657.2; 09-MAY-2008 16:01:56; Dark ; 40.5; 43; Alp TrA ; 1.91; 4250;occ; 81; 0;32372
 23; 6788.9; 09-MAY-2008 16:04:08; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;32372
 24; 6899.6; 09-MAY-2008 16:05:59; Dark ; 45.0; 4; Alp1Cen ; -0.01; 5800;occ; 90; 0;32372
 25; 7110.8; 09-MAY-2008 16:09:30; Dark ; 40.5; 78; Alp Lup ; 2.30; 28000;occ; 81; 0;32372
 26; 7201.9; 09-MAY-2008 16:11:01; Dark ; 39.0; 81; Eta Cen ; 2.36; 28000;occ; 78; 0;32372
 27; 7320.4; 09-MAY-2008 16:13:00; Dark ; 3.0; 54; 5The Cen ; 2.06; 4500;occ; 6; 0;32372

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 3; 1605.3; 09-MAY-2008 16:18:20; Bright; 40.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 80; 0;32373
 4; 1730.4; 09-MAY-2008 16:20:26; Bright; 38.0; 15; 67Alp Vir ; 0.98; 28000;occ; 76; 0;32373
 5; 2111.3; 09-MAY-2008 16:26:46; Bright; 35.0; 138; 47Eps Vir ; 2.83; 4700;occ; 70; 0;32373
 6; 2221.5; 09-MAY-2008 16:28:37; Bright; 35.0; 111; 8Eta Boo ; 2.68; 6000;occ; 70; 0;32373
 7; 2566.9; 09-MAY-2008 16:34:22; Bright; 34.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 68; 0;32373
 8; 2749.9; 09-MAY-2008 16:37:25; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;32373
 9; 2840.5; 09-MAY-2008 16:38:56; Bright; 35.5; 55; 79Zet UMa ; 2.06; 10200;occ; 71; 0;32373
 10; 3031.5; 09-MAY-2008 16:42:07; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;32373
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 12; 3445.8; 09-MAY-2008 16:49:01; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32373
 13; 3935.0; 09-MAY-2008 16:57:10; Bright; 33.5; 76; 27Gam Cas ; 2.30; 30000;occ; 67; 0;32373
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 17; 5265.2; 09-MAY-2008 17:19:20; Dark ; 43.5; 52; 16Bet Cet ; 2.04; 4500;occ; 87; 0;32373
 18; 5617.2; 09-MAY-2008 17:25:12; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;32373
 19; 5763.7; 09-MAY-2008 17:27:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32373
 20; 5889.8; 09-MAY-2008 17:29:45; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;32373
 21; 5968.4; 09-MAY-2008 17:31:04; Dark ; 42.0; 31; Alp Gru ; 1.73; 15200;occ; 84; 0;32373
 22; 6096.9; 09-MAY-2008 17:33:12; Dark ; 38.5; 148; Alp Tuc ; 2.88; 4100;occ; 77; 0;32373
 23; 6303.8; 09-MAY-2008 17:36:39; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32373
 24; 6657.5; 09-MAY-2008 17:42:33; Dark ; 37.0; 43; Alp TrA ; 1.91; 4250;occ; 74; 0;32373
 25; 6789.3; 09-MAY-2008 17:44:44; Dark ; 36.5; 134; Bet TrA ; 2.81; 6600;occ; 73; 0;32373
 26; 6899.9; 09-MAY-2008 17:46:35; Dark ; 49.0; 4; Alp1Cen ; -0.01; 5800;occ; 98; 0;32373
 27; 7111.0; 09-MAY-2008 17:50:06; Dark ; 38.5; 78; Alp Lup ; 2.30; 28000;occ; 77; 0;32373
 28; 7202.0; 09-MAY-2008 17:51:37; Dark ; 18.5; 81; Eta Cen ; 2.36; 28000;occ; 37; 0;32373

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 2; 1166.0; 09-MAY-2008 17:51:37; Dark ; 38.0; 81; Eta Cen ; 2.36; 28000;occ; 76; 0;32374

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4; 1605.5; 09-MAY-2008 17:58:57; Bright; 38.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 77; 0;32374
5; 1730.6; 09-MAY-2008 18:01:02; Bright; 38.0; 15; 67Alp Vir ; 0.98; 28000;occ; 76; 0;32374
6; 2111.4; 09-MAY-2008 18:07:23; Bright; 34.5; 138; 47Eps Vir ; 2.83; 4700;occ; 69; 0;32374
7; 2221.4; 09-MAY-2008 18:09:13; Bright; 35.5; 111; 8Eta Boo ; 2.68; 6000;occ; 71; 0;32374
8; 2567.0; 09-MAY-2008 18:14:58; Bright; 35.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 70; 0;32374
9; 2749.9; 09-MAY-2008 18:18:01; Bright; 35.5; 39; 85Eta UMA ; 1.85; 24000;occ; 71; 0;32374
10; 2840.5; 09-MAY-2008 18:19:32; Bright; 36.5; 55; 79Zet UMA ; 2.06; 10200;occ; 73; 0;32374
11; 3031.8; 09-MAY-2008 18:22:43; Bright; 35.0; 36; 50Alp UMA ; 1.80; 6300;occ; 70; 0;32374
12; 3195.3; 09-MAY-2008 18:25:26; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;32374
13; 3445.8; 09-MAY-2008 18:29:37; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32374
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19; 5617.9; 09-MAY-2008 19:05:49; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;32374
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21; 5890.4; 09-MAY-2008 19:10:22; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;32374
22; 5969.0; 09-MAY-2008 19:11:40; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;32374
23; 6097.3; 09-MAY-2008 19:13:48; Dark ; 38.5; 148; Alp Tuc ; 2.88; 4100;occ; 77; 0;32374
24; 6304.4; 09-MAY-2008 19:17:16; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32374
25; 6657.7; 09-MAY-2008 19:23:09; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;32374
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3; 1284.9; 09-MAY-2008 19:34:12; Dark ; 42.0; 54; 5The Cen ; 2.06; 4500;occ; 84; 0;32375
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6; 2111.6; 09-MAY-2008 19:47:59; Bright; 34.5; 138; 47Eps Vir ; 2.83; 4700;occ; 69; 0;32375
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8; 2567.0; 09-MAY-2008 19:55:34; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;32375
9; 2749.7; 09-MAY-2008 19:58:37; Bright; 35.5; 39; 85Eta UMA ; 1.85; 24000;occ; 71; 0;32375
10; 2840.3; 09-MAY-2008 20:00:07; Bright; 37.0; 55; 79Zet UMA ; 2.06; 10200;occ; 74; 0;32375
11; 3032.0; 09-MAY-2008 20:03:19; Bright; 38.0; 36; 50Alp UMA ; 1.80; 6300;occ; 76; 0;32375
12; 3195.1; 09-MAY-2008 20:06:02; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;32375
13; 3445.7; 09-MAY-2008 20:10:13; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;32375
14; 3935.0; 09-MAY-2008 20:18:22; Bright; 32.5; 76; 27Gam Cas ; 2.30; 30000;occ; 65; 0;32375
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16; 4501.0; 09-MAY-2008 20:27:48; Bright; 50.0; 58; 21Alp And ; 2.07; 11000;occ; 100; 0;32375
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19; 5618.4; 09-MAY-2008 20:46:26; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;32375
20; 5764.4; 09-MAY-2008 20:48:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32375
21; 5890.8; 09-MAY-2008 20:50:58; Dark ; 45.5; 63; Bet Gru ; 2.15; 2800;occ; 91; 0;32375
22; 5969.5; 09-MAY-2008 20:52:17; Dark ; 40.5; 31; Alp Gru ; 1.73; 15200;occ; 81; 0;32375
23; 6097.6; 09-MAY-2008 20:54:25; Dark ; 43.5; 148; Alp Tuc ; 2.88; 4100;occ; 87; 0;32375
24; 6305.0; 09-MAY-2008 20:57:52; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32375
25; 6657.9; 09-MAY-2008 21:03:45; Dark ; 39.0; 43; Alp TrA ; 1.91; 4250;occ; 78; 0;32375
26; 6789.7; 09-MAY-2008 21:05:57; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;32375
27; 6900.1; 09-MAY-2008 21:07:47; Dark ; 43.5; 4; Alp1Cen ; -0.01; 5800;occ; 87; 0;32375
28; 7111.4; 09-MAY-2008 21:11:19; Dark ; 14.5; 78; Alp Lup ; 2.30; 28000;occ; 29; 0;32375
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3; -270.8; 10-MAY-2008 00:10:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32377
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5; -65.1; 10-MAY-2008 00:13:30; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;32377
6; 62.5; 10-MAY-2008 00:15:37; Dark ; 38.5; 148; Alp Tuc ; 2.88; 4100;occ; 77; 0;32378
7; 270.5; 10-MAY-2008 00:19:05; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32378
8; 622.6; 10-MAY-2008 00:24:57; Dark ; 46.5; 43; Alp TrA ; 1.91; 4250;occ; 93; 0;32378
9; 754.3; 10-MAY-2008 00:27:09; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32378
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12; 1166.8; 10-MAY-2008 00:34:02; Dark ; 40.0; 81; Eta Cen ; 2.36; 28000;occ; 80; 0;32378
13; 1285.3; 10-MAY-2008 00:36:00; Dark ; 44.5; 54; 5The Cen ; 2.06; 4500;occ; 89; 0;32378

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15; 1731.1; 10-MAY-2008 00:43:26; Bright; 38.0; 15; 67Alp Vir ; 0.98; 28000;occ; 76; 0;32378
16; 2112.1; 10-MAY-2008 00:49:47; Bright; 34.5; 138; 47Eps Vir ; 2.83; 4700;occ; 69; 0;32378
17; 2221.2; 10-MAY-2008 00:51:36; Bright; 35.0; 111; 8Eta Boo ; 2.68; 6000;occ; 70; 0;32378
18; 2567.5; 10-MAY-2008 00:57:22; Bright; 33.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 67; 0;32378
19; 2749.4; 10-MAY-2008 01:00:24; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;32378
20; 2840.3; 10-MAY-2008 01:01:55; Bright; 33.0; 55; 79Zet UMa ; 2.06; 10200;occ; 66; 0;32378
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22; 3194.6; 10-MAY-2008 01:07:49; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;32378
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25; 4009.7; 10-MAY-2008 01:21:25; Bright; 33.0; 68; 18Alp Cas ; 2.22; 4500;occ; 66; 0;32378
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2; 271.9; 10-MAY-2008 03:40:19; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32380
3; 623.4; 10-MAY-2008 03:46:10; Dark ; 40.0; 43; Alp TrA ; 1.91; 4250;occ; 80; 0;32380
4; 755.1; 10-MAY-2008 03:48:22; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;32380
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8; 1285.9; 10-MAY-2008 03:57:13; Dark ; 43.5; 54; 5The Cen ; 2.06; 4500;occ; 87; 0;32380
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 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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9; 881.2; 16-MAY-2008 02:21:22; Dark ; 47.5; 4; Alp1Cen ; -0.01; 5800;occ; 95; 0;32465
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9; 2234.4; 17-MAY-2008 20:38:54; Bright; 35.5; 3; 16Alp Boo ;-0.05; 4250;occ; 71; 0;32490
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 8; 11.4; 17-MAY-2008 06:37:03; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;32482
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10; 343.3; 17-MAY-2008 06:42:35; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32482
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12; 926.9; 17-MAY-2008 06:52:19; Dark ; 51.0; 40; The Sco ; 1.86; 7100;occ; 102; 0;32482
13; 1038.7; 17-MAY-2008 06:54:10; Dark ; 28.0; 25; 35Lam Sco ; 1.62; 28000;occ; 56; 0;32482
14; 1175.2; 17-MAY-2008 06:56:27; Dark ; 51.5; 75; 26Eps Sco ; 2.29; 4250;occ; 103; 0;32482
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16; 1511.3; 17-MAY-2008 07:02:03; Bright; 44.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 89; 0;32482
17; 1619.3; 17-MAY-2008 07:03:51; Bright; 37.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 74; 0;32482
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17; 6048.0; 17-MAY-2008 08:17:40; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;32482
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22; 7075.3; 17-MAY-2008 08:34:47; Dark ; 28.0; 25; 35Lam Sco ; 1.62; 28000;occ; 56; 0;32482
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 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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19; 6401.1; 19-MAY-2008 10:41:31; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32512
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 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
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 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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 7; 2746.4; 19-MAY-2008 13:01:48; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;32514
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 23; 7094.3; 19-MAY-2008 14:14:16; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;32514
 24; 7225.3; 19-MAY-2008 14:16:27; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;32514
 25; 7403.2; 19-MAY-2008 14:19:25; Dark ; 62.0; 16; 21Alp Sco ; 1.02; 3000;occ; 124; 0;32514
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 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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 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
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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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23; 7556.9; 21-MAY-2008 11:38:09; Bright; 42.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 85; 0;32541
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 6; 2561.7; 21-MAY-2008 11:55:29; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;32542
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13; 4791.2; 21-MAY-2008 12:32:39; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;32542
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 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
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13; 3053.8; 21-MAY-2008 20:26:41; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;32547
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 7; 801.4; 21-MAY-2008 21:29:45; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;32548
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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
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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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 22; 3446.5; 21-MAY-2008 22:13:50; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32548
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 5; 390.6; 21-MAY-2008 23:03:30; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32549
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 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
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 12; 1628.4; 21-MAY-2008 23:24:07; Bright; 37.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 74; 0;32549
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 20; 3173.8; 21-MAY-2008 23:49:53; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;32549
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 23; 4009.9; 22-MAY-2008 00:03:49; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;32549
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 25; 4793.4; 22-MAY-2008 00:16:52; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;32549
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 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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 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
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 3; 1732.8; 21-MAY-2008 15:02:52; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;32544


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6; 2372.0; 21-MAY-2008 15:13:31; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32544
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 5; 2371.2; 22-MAY-2008 07:59:30; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32554
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 7; 3051.1; 22-MAY-2008 08:10:50; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32554
 8; 3173.6; 22-MAY-2008 08:12:52; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32554
 9; 3446.8; 22-MAY-2008 08:17:26; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;32554
10; 3937.5; 22-MAY-2008 08:25:36; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;32554
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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 17; 6094.0; 22-MAY-2008 09:01:33; Dark ; 46.0; 172; Gam Gru ; 3.00; 13100;occ; 92; 0;32554
 18; 6184.0; 22-MAY-2008 09:03:03; Dark ; 38.5; 148; Alp Tuc ; 2.88; 4100;occ; 77; 0;32554
 19; 6430.9; 22-MAY-2008 09:07:10; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32554
 20; 6840.7; 22-MAY-2008 09:13:59; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;32554
 21; 7005.7; 22-MAY-2008 09:16:44; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;32554
 22; 7116.9; 22-MAY-2008 09:18:36; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;32554
 23; 7241.2; 22-MAY-2008 09:20:40; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;32554
 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
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 7; 3050.8; 22-MAY-2008 09:51:25; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32555
 8; 3173.5; 22-MAY-2008 09:53:28; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32555
 9; 3446.7; 22-MAY-2008 09:58:01; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;32555
 10; 3937.4; 22-MAY-2008 10:06:12; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;32555
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 13; 4795.8; 22-MAY-2008 10:20:30; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;32555
 14; 5323.8; 22-MAY-2008 10:29:19; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;32555
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 17; 6095.1; 22-MAY-2008 10:42:10; Dark ; 46.0; 172; Gam Gru ; 3.00; 13100;occ; 92; 0;32555
 18; 6184.5; 22-MAY-2008 10:43:39; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;32555
 19; 6431.6; 22-MAY-2008 10:47:46; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32555
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 21; 7006.4; 22-MAY-2008 10:57:21; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;32555
 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
 24; 7414.3; 22-MAY-2008 11:04:09; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;32555
 25; 7559.3; 22-MAY-2008 11:06:34; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;32555
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 3; 2026.6; 22-MAY-2008 11:14:57; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32556
 4; 2237.3; 22-MAY-2008 11:18:28; Bright; 46.0; 3; 16Alp Boo ;-0.05; 4250;occ; 92; 0;32556
 5; 2371.0; 22-MAY-2008 11:20:42; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32556
 6; 2560.9; 22-MAY-2008 11:23:51; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;32556
 7; 3050.3; 22-MAY-2008 11:32:01; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32556
 8; 3173.3; 22-MAY-2008 11:34:04; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;32556
 9; 3446.7; 22-MAY-2008 11:38:37; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32556
 10; 3937.3; 22-MAY-2008 11:46:48; Bright; 34.0; 76; 27Gam Cas ; 2.30; 30000;occ; 68; 0;32556
 11; 4009.7; 22-MAY-2008 11:48:00; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;32556
 12; 4531.2; 22-MAY-2008 11:56:42; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;32556
 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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 17; 6096.4; 22-MAY-2008 12:22:47; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;32556
 18; 6185.1; 22-MAY-2008 12:24:16; Dark ; 40.5; 148; Alp Tuc ; 2.88; 4100;occ; 81; 0;32556
 19; 6432.2; 22-MAY-2008 12:28:23; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32556
 20; 6841.5; 22-MAY-2008 12:35:12; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32556
 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
 26; 7665.5; 22-MAY-2008 12:48:56; Bright; 35.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 70; 0;32556

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3; 1207.8; 22-MAY-2008 21:04:54; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;32562
4; 1379.9; 22-MAY-2008 21:07:46; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32562
5; 1524.2; 22-MAY-2008 21:10:10; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;32562
6; 1630.3; 22-MAY-2008 21:11:57; Bright; 36.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 73; 0;32562
7; 1734.1; 22-MAY-2008 21:13:40; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;32562
8; 1841.1; 22-MAY-2008 21:15:27; Bright; 44.0; 120; 1Del Oph ; 2.73; 3200;occ; 88; 0;32562
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10; 2370.6; 22-MAY-2008 21:24:17; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;32562
11; 2560.6; 22-MAY-2008 21:27:27; Bright; 53.0; 180; 27Gam Boo ; 3.04; 8000;occ; 106; 0;32562
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13; 3172.8; 22-MAY-2008 21:37:39; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32562
14; 3446.6; 22-MAY-2008 21:42:13; Bright; 52.0; 49; 1Alp UMi ; 1.99; 6300;occ; 104; 0;32562
15; 3937.2; 22-MAY-2008 21:50:23; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;32562
16; 4009.3; 22-MAY-2008 21:51:36; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;32562
17; 4532.3; 22-MAY-2008 22:00:19; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;32562
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4; 67.5; 22-MAY-2008 22:26:30; Dark ; 31.0; 172; Gam Gru ; 3.00; 13100;occ; 62; 0;32563
5; 152.2; 22-MAY-2008 22:27:54; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;32563
6; 400.5; 22-MAY-2008 22:32:03; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32563
7; 808.2; 22-MAY-2008 22:38:50; Dark ; 39.0; 141; Bet Ara ; 2.84; 4600;occ; 78; 0;32563
8; 974.3; 22-MAY-2008 22:41:36; Dark ; 45.0; 40; The Sco ; 1.86; 7100;occ; 90; 0;32563
9; 1085.1; 22-MAY-2008 22:43:27; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;32563
10; 1208.1; 22-MAY-2008 22:45:30; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;32563
11; 1380.1; 22-MAY-2008 22:48:22; Dark ; 57.5; 16; 21Alp Sco ; 1.02; 3000;occ; 115; 0;32563
12; 1524.3; 22-MAY-2008 22:50:46; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;32563
13; 1630.5; 22-MAY-2008 22:52:33; Bright; 36.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 73; 0;32563
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21; 3446.7; 22-MAY-2008 23:22:49; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32563
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23; 4009.3; 22-MAY-2008 23:32:11; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;32563
24; 4532.5; 22-MAY-2008 23:40:55; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;32563
25; 4798.6; 22-MAY-2008 23:45:21; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32563
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3; -22.4; 23-MAY-2008 00:05:36; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;32563
4; 68.7; 23-MAY-2008 00:07:07; Dark ; 31.0; 172; Gam Gru ; 3.00; 13100;occ; 62; 0;32564
5; 152.6; 23-MAY-2008 00:08:31; Dark ; 41.5; 148; Alp Tuc ; 2.88; 4100;occ; 83; 0;32564
6; 401.1; 23-MAY-2008 00:12:39; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32564
7; 808.6; 23-MAY-2008 00:19:27; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;32564
8; 974.7; 23-MAY-2008 00:22:13; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;32564
9; 1085.5; 23-MAY-2008 00:24:03; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;32564
10; 1208.6; 23-MAY-2008 00:26:07; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;32564
11; 1380.4; 23-MAY-2008 00:28:58; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32564
12; 1524.5; 23-MAY-2008 00:31:22; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;32564
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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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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
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 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
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 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
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 9; 3049.2; 22-MAY-2008 16:33:47; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32559
10; 3173.2; 22-MAY-2008 16:35:51; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32559
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 7; 1734.1; 22-MAY-2008 17:52:28; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32560
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 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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4; 69.8; 23-MAY-2008 01:47:44; Dark ; 27.0; 172; Gam Gru ; 3.00; 13100;occ; 54; 0;32565
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6; 401.9; 23-MAY-2008 01:53:16; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32565
7; 809.1; 23-MAY-2008 02:00:03; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;32565
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2;-2026.7; 23-MAY-2008 04:33:59; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;32566
3;-1655.0; 23-MAY-2008 04:40:11; Bright; 42.5; 53; 43Bet And ; 2.05; 3300;occ; 85; 0;32566
4;-1503.0; 23-MAY-2008 04:42:43; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;32566
5;-1236.1; 23-MAY-2008 04:47:10; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;32566
6; -707.3; 23-MAY-2008 04:55:58; Dark ; 43.0; 52; 16Bet Cet ; 2.04; 4500;occ; 86; 0;32566
7; -184.4; 23-MAY-2008 05:04:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32566
8; -20.1; 23-MAY-2008 05:07:26; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;32566
9; 154.4; 23-MAY-2008 05:10:20; Dark ; 42.5; 148; Alp Tuc ; 2.88; 4100;occ; 85; 0;32567
10; 403.5; 23-MAY-2008 05:14:29; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32567
11; 810.1; 23-MAY-2008 05:21:16; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;32567
12; 976.5; 23-MAY-2008 05:24:02; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;32567
13; 1087.2; 23-MAY-2008 05:25:53; Dark ; 50.0; 25; 35Lam Sco ; 1.62; 28000;occ; 100; 0;32567
14; 1209.7; 23-MAY-2008 05:27:56; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;32567
15; 1381.4; 23-MAY-2008 05:30:47; Dark ; 53.5; 16; 21Alp Sco ; 1.02; 3000;occ; 107; 0;32567
16; 1525.1; 23-MAY-2008 05:33:11; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;32567
17; 1631.3; 23-MAY-2008 05:34:57; Bright; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;32567
18; 1734.7; 23-MAY-2008 05:36:40; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;32567
19; 1840.7; 23-MAY-2008 05:38:26; Bright; 44.0; 120; 1Del Oph ; 2.73; 3200;occ; 88; 0;32567
20; 2025.0; 23-MAY-2008 05:41:31; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;32567
21; 2370.4; 23-MAY-2008 05:47:16; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;32567

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23; 3046.2; 23-MAY-2008 05:58:32; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32567
24; 3172.6; 23-MAY-2008 06:00:38; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32567
25; 3446.8; 23-MAY-2008 06:05:13; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;32567
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 2; 1091.9; 23-MAY-2008 20:31:21; Dark ; 50.0; 25; 35Lam Sco ; 1.62; 28000;occ; 100; 0;32576
 3; 1213.0; 23-MAY-2008 20:33:22; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;32576
 4; 1383.5; 23-MAY-2008 20:36:13; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32576
 5; 1526.5; 23-MAY-2008 20:38:36; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;32576
 6; 1632.3; 23-MAY-2008 20:40:22; Bright; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;32576
 7; 1735.4; 23-MAY-2008 20:42:05; Bright; 36.0; 104; 27Bet Lib ; 2.61; 13100;occ; 72; 0;32576
 8; 1839.8; 23-MAY-2008 20:43:49; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;32576
 9; 2023.8; 23-MAY-2008 20:46:53; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32576
10; 2369.9; 23-MAY-2008 20:52:39; Bright; 35.0; 83; ; 2.38; 11000;occ; 70; 0;32576
11; 2560.0; 23-MAY-2008 20:55:49; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;32576
12; 3042.6; 23-MAY-2008 21:03:52; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32576
13; 3171.8; 23-MAY-2008 21:06:01; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;32576
14; 3446.8; 23-MAY-2008 21:10:36; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;32576
15; 3936.7; 23-MAY-2008 21:18:46; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;32576
16; 4008.7; 23-MAY-2008 21:19:58; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;32576
17; 4382.2; 23-MAY-2008 21:26:11; Bright; 37.0; 53; 43Bet And ; 2.05; 3300;occ; 74; 0;32576
18; 4534.8; 23-MAY-2008 21:28:44; Dark ; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;32576
19; 4803.5; 23-MAY-2008 21:33:13; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;32576
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 2; -296.3; 23-MAY-2008 21:48:49; Dark ; 40.5; 84; Alp Phe ; 2.40; 4500;occ; 81; 0;32576
 3; -178.9; 23-MAY-2008 21:50:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32576
 4; -12.6; 23-MAY-2008 21:53:33; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;32576
 5; 89.2; 23-MAY-2008 21:55:14; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;32577
 6; 410.4; 23-MAY-2008 22:00:36; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32577
 7; 814.4; 23-MAY-2008 22:07:20; Dark ; 38.5; 141; Bet Ara ; 2.84; 4600;occ; 77; 0;32577
 8; 981.8; 23-MAY-2008 22:10:07; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;32577
 9; 1092.4; 23-MAY-2008 22:11:58; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;32577
10; 1213.4; 23-MAY-2008 22:13:59; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;32577
11; 1383.8; 23-MAY-2008 22:16:49; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32577
12; 1526.6; 23-MAY-2008 22:19:12; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;32577
13; 1638.5; 23-MAY-2008 22:21:04; Bright; 30.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 60; 0;32577
14; 1735.4; 23-MAY-2008 22:22:41; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;32577
15; 1839.7; 23-MAY-2008 22:24:25; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;32577
16; 2023.6; 23-MAY-2008 22:27:29; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32577
17; 2370.0; 23-MAY-2008 22:33:15; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;32577
18; 2560.1; 23-MAY-2008 22:36:25; Bright; 34.0; 180; 27Gam Boo ; 3.04; 8000;occ; 68; 0;32577
19; 3042.3; 23-MAY-2008 22:44:27; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32577
20; 3171.8; 23-MAY-2008 22:46:37; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;32577
21; 3446.7; 23-MAY-2008 22:51:12; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;32577
22; 3936.7; 23-MAY-2008 22:59:22; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;32577
23; 4008.6; 23-MAY-2008 23:00:34; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;32577
24; 4382.3; 23-MAY-2008 23:06:47; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;32577
25; 4534.8; 23-MAY-2008 23:09:20; Dark ; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;32577
26; 4803.9; 23-MAY-2008 23:13:49; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32577
27; 5333.4; 23-MAY-2008 23:22:39; Dark ; 5.0; 52; 16Bet Cet ; 2.04; 4500;occ; 10; 0;32577
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 3; -178.3; 23-MAY-2008 23:31:23; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32577
 4; -11.9; 23-MAY-2008 23:34:09; Dark ; 47.5; 63; Bet Gru ; 2.15; 2800;occ; 95; 0;32577
 5; 90.0; 23-MAY-2008 23:35:51; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;32578
 6; 411.1; 23-MAY-2008 23:41:12; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32578
 7; 814.8; 23-MAY-2008 23:47:56; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;32578
 8; 982.3; 23-MAY-2008 23:50:43; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;32578
 9; 1092.9; 23-MAY-2008 23:52:34; Dark ; 52.0; 25; 35Lam Sco ; 1.62; 28000;occ; 104; 0;32578
10; 1213.8; 23-MAY-2008 23:54:35; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;32578
11; 1384.0; 23-MAY-2008 23:57:25; Dark ; 52.0; 16; 21Alp Sco ; 1.02; 3000;occ; 104; 0;32578
12; 1526.8; 23-MAY-2008 23:59:48; Bright; 40.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 80; 0;32578
13; 1735.5; 24-MAY-2008 00:03:17; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32578
14; 1839.5; 24-MAY-2008 00:05:01; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;32578
15; 2023.5; 24-MAY-2008 00:08:04; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32578

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 18; 3041.8; 24-MAY-2008 00:25:03; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32578
 19; 3171.7; 24-MAY-2008 00:27:13; Bright; 33.5; 60; 7Bet UMi ; 2.08; 3950;occ; 67; 0;32578
 20; 3446.7; 24-MAY-2008 00:31:48; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;32578
 21; 3936.6; 24-MAY-2008 00:39:58; Bright; 52.0; 76; 27Gam Cas ; 2.30; 30000;occ; 104; 0;32578
 22; 4008.5; 24-MAY-2008 00:41:09; Bright; 54.5; 68; 18Alp Cas ; 2.22; 4500;occ; 109; 0;32578
 23; 4382.4; 24-MAY-2008 00:47:23; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;32578
 24; 4535.1; 24-MAY-2008 00:49:56; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;32578
 25; 4804.2; 24-MAY-2008 00:54:25; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32578
 26; 5333.9; 24-MAY-2008 01:03:15; Dark ; 39.5; 52; 16Bet Cet ; 2.04; 4500;occ; 79; 0;32578

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 3;-1654.9; 23-MAY-2008 06:20:47; Bright; 48.0; 53; 43Bet And ; 2.05; 3300;occ; 96; 0;32567
 4;-1502.8; 23-MAY-2008 06:23:19; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;32567
 5;-1235.8; 23-MAY-2008 06:27:46; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;32567
 6; -706.9; 23-MAY-2008 06:36:35; Dark ; 42.5; 52; 16Bet Cet ; 2.04; 4500;occ; 85; 0;32567
 7; -183.8; 23-MAY-2008 06:45:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32567
 8; -19.4; 23-MAY-2008 06:48:02; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;32567
 9; 81.5; 23-MAY-2008 06:49:43; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;32568
 10; 404.1; 23-MAY-2008 06:55:06; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32568
 11; 810.6; 23-MAY-2008 07:01:52; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;32568
 12; 977.0; 23-MAY-2008 07:04:39; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;32568
 13; 1087.8; 23-MAY-2008 07:06:30; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;32568
 14; 1210.1; 23-MAY-2008 07:08:32; Dark ; 50.5; 75; 26Eps Sco ; 2.29; 4250;occ; 101; 0;32568
 15; 1381.6; 23-MAY-2008 07:11:23; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;32568
 16; 1525.2; 23-MAY-2008 07:13:47; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;32568
 17; 1631.4; 23-MAY-2008 07:15:33; Bright; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;32568
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 3; 2024.9; 23-MAY-2008 07:22:07; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32568
 4; 2370.3; 23-MAY-2008 07:27:52; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;32568
 5; 2560.4; 23-MAY-2008 07:31:02; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;32568
 6; 3045.7; 23-MAY-2008 07:39:07; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32568
 7; 3172.5; 23-MAY-2008 07:41:14; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32568
 8; 3446.9; 23-MAY-2008 07:45:49; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;32568
 9; 3937.0; 23-MAY-2008 07:53:59; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32568
 10; 4009.2; 23-MAY-2008 07:55:11; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;32568
 11; 4381.2; 23-MAY-2008 08:01:23; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;32568
 12; 4533.5; 23-MAY-2008 08:03:55; Dark ; 45.5; 58; 21Alp And ; 2.07; 11000;occ; 91; 0;32568
 13; 4800.6; 23-MAY-2008 08:08:22; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32568
 14; 5329.5; 23-MAY-2008 08:17:11; Dark ; 45.5; 52; 16Bet Cet ; 2.04; 4500;occ; 91; 0;32568
 15; 5736.3; 23-MAY-2008 08:23:58; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;32568
 16; 5852.6; 23-MAY-2008 08:25:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32568
 17; 6017.3; 23-MAY-2008 08:28:39; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;32568
 18; 6118.2; 23-MAY-2008 08:30:20; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;32568
 19; 6440.7; 23-MAY-2008 08:35:42; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32568
 20; 6846.9; 23-MAY-2008 08:42:29; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;32568
 21; 7013.4; 23-MAY-2008 08:45:15; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;32568
 22; 7124.3; 23-MAY-2008 08:47:06; Dark ; 50.5; 25; 35Lam Sco ; 1.62; 28000;occ; 101; 0;32568
 23; 7246.4; 23-MAY-2008 08:49:08; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;32568
 24; 7417.8; 23-MAY-2008 08:52:00; Dark ; 58.0; 16; 21Alp Sco ; 1.02; 3000;occ; 116; 0;32568
 25; 7561.5; 23-MAY-2008 08:54:23; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;32568
 26; 7667.4; 23-MAY-2008 08:56:09; Bright; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;32568
 27; 7770.8; 23-MAY-2008 08:57:53; Bright; 10.0; 104; 27Bet Lib ; 2.61; 13100;occ; 20; 0;32568

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 3; 2024.7; 23-MAY-2008 09:02:42; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;32569
 4; 2370.3; 23-MAY-2008 09:08:28; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32569
 5; 2560.1; 23-MAY-2008 09:11:38; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;32569
 6; 3045.3; 23-MAY-2008 09:19:43; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32569
 7; 3172.4; 23-MAY-2008 09:21:50; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32569
 8; 3446.7; 23-MAY-2008 09:26:24; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;32569
 9; 3936.9; 23-MAY-2008 09:34:35; Bright; 36.0; 76; 27Gam Cas ; 2.30; 30000;occ; 72; 0;32569

10; 4009.1; 23-MAY-2008 09:35:47; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;32569
 11; 4381.3; 23-MAY-2008 09:41:59; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;32569
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 13; 4800.9; 23-MAY-2008 09:48:59; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;32569
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 17; 6018.0; 23-MAY-2008 10:09:16; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;32569
 18; 6119.1; 23-MAY-2008 10:10:57; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;32569
 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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 8; 3446.7; 23-MAY-2008 11:07:00; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32570
 9; 3936.9; 23-MAY-2008 11:15:10; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32570
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 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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 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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 25; 7561.7; 23-MAY-2008 12:15:35; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 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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5; 2024.4; 23-MAY-2008 14:04:30; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32572
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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11; 3937.0; 23-MAY-2008 14:36:22; Bright; 39.5; 76; 27Gam Cas ; 2.30; 30000;occ; 79; 0;32572
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
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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
23; 7015.7; 23-MAY-2008 15:27:41; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;32572
24; 7126.3; 23-MAY-2008 15:29:32; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;32572
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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13; 4009.1; 23-MAY-2008 16:18:10; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;32573
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21; 6122.7; 23-MAY-2008 16:53:24; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;32573
22; 6444.3; 23-MAY-2008 16:58:46; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32573
23; 6849.3; 23-MAY-2008 17:05:31; Dark ; 47.0; 141; Bet Ara ; 2.84; 4600;occ; 94; 0;32573
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9; 2370.0; 23-MAY-2008 17:31:27; Bright; 35.0; 83; ; 2.38; 11000;occ; 70; 0;32574
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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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13; 4008.0; 24-MAY-2008 19:07:44; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;32589
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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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9; 1219.2; 25-MAY-2008 01:03:39; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;32593
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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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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
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5; 422.3; 25-MAY-2008 02:30:58; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32594
6; 821.8; 25-MAY-2008 02:37:37; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32594
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9; 1219.6; 25-MAY-2008 02:44:15; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;32594
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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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15; 2369.2; 25-MAY-2008 03:03:25; Bright; 35.0; 83; ; 2.38; 11000;occ; 70; 0;32594
16; 3035.8; 25-MAY-2008 03:14:32; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32594
17; 3170.5; 25-MAY-2008 03:16:46; Bright; 33.0; 60; 7Bet UMi ; 2.08; 3950;occ; 66; 0;32594
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3; -1651.7; 25-MAY-2008 03:37:00; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;32594
4; -1497.9; 25-MAY-2008 03:39:34; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;32594
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21; 3035.6; 25-MAY-2008 04:55:07; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32595
22; 3170.6; 25-MAY-2008 04:57:22; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32595
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2; 1106.5; 25-MAY-2008 21:08:58; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;32605
3; 1223.4; 25-MAY-2008 21:10:55; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;32605
4; 1351.5; 25-MAY-2008 21:13:03; Dark ; 43.5; 136; 23Tau Sco ; 2.82; 30000;occ; 87; 0;32605
5; 1531.0; 25-MAY-2008 21:16:02; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;32605
6; 1738.0; 25-MAY-2008 21:19:29; Bright; 36.5; 104; 27Bet Lib ; 2.61; 13100;occ; 73; 0;32605
7; 1837.4; 25-MAY-2008 21:21:09; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;32605
8; 2020.3; 25-MAY-2008 21:24:11; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;32605
9; 2369.1; 25-MAY-2008 21:30:00; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;32605
10; 3031.9; 25-MAY-2008 21:41:03; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32605
11; 3169.8; 25-MAY-2008 21:43:21; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;32605
12; 3676.5; 25-MAY-2008 21:51:48; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;32605
13; 3935.3; 25-MAY-2008 21:56:06; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32605
14; 4006.9; 25-MAY-2008 21:57:18; Bright; 56.0; 68; 18Alp Cas ; 2.22; 4500;occ; 112; 0;32605
15; 4385.4; 25-MAY-2008 22:03:37; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;32605
16; 4539.9; 25-MAY-2008 22:06:11; Dark ; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;32605
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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
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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
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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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 5; -1497.4; 25-MAY-2008 07:00:46; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;32596
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 2; 1837.9; 25-MAY-2008 09:36:57; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;32598
 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
 5; 3034.5; 25-MAY-2008 09:56:54; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;32598
 6; 3170.3; 25-MAY-2008 09:59:10; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32598
 7; 3680.5; 25-MAY-2008 10:07:40; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;32598
 8; 3935.8; 25-MAY-2008 10:11:55; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32598
 9; 4007.5; 25-MAY-2008 10:13:07; Bright; 40.0; 68; 18Alp Cas ; 2.22; 4500;occ; 80; 0;32598
10; 4384.7; 25-MAY-2008 10:19:24; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;32598
11; 4538.8; 25-MAY-2008 10:21:58; Dark ; 50.5; 58; 21Alp And ; 2.07; 11000;occ; 101; 0;32598

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12; 4812.0; 25-MAY-2008 10:26:32; Dark ; 47.5; 140; 88Gam Peg ; 2.83; 26000;occ; 95; 0;32598
 13; 5343.3; 25-MAY-2008 10:35:23; Dark ; 46.5; 52; 16Bet Cet ; 2.04; 4500;occ; 93; 0;32598
 14; 5869.4; 25-MAY-2008 10:44:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32598
 15; 6040.2; 25-MAY-2008 10:47:00; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;32598
 16; 6144.2; 25-MAY-2008 10:48:44; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;32598
 17; 6461.8; 25-MAY-2008 10:54:01; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32598
 18; 6859.9; 25-MAY-2008 11:00:40; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;32598
 19; 7029.3; 25-MAY-2008 11:03:29; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;32598
 20; 7139.5; 25-MAY-2008 11:05:19; Dark ; 50.0; 25; 35Lam Sco ; 1.62; 28000;occ; 100; 0;32598
 21; 7257.2; 25-MAY-2008 11:07:17; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;32598
 22; 7385.8; 25-MAY-2008 11:09:25; Dark ; 40.5; 136; 23Tau Sco ; 2.82; 30000;occ; 81; 0;32598
 23; 7566.0; 25-MAY-2008 11:12:26; Bright; 40.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 80; 0;32598

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 2; 1837.8; 25-MAY-2008 11:17:33; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;32599
 3; 2021.0; 25-MAY-2008 11:20:36; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32599
 4; 2369.2; 25-MAY-2008 11:26:25; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;32599
 5; 3034.0; 25-MAY-2008 11:37:29; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32599
 6; 3170.3; 25-MAY-2008 11:39:46; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;32599
 7; 3680.0; 25-MAY-2008 11:48:15; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;32599
 8; 3935.6; 25-MAY-2008 11:52:31; Bright; 36.0; 76; 27Gam Cas ; 2.30; 30000;occ; 72; 0;32599
 9; 4007.3; 25-MAY-2008 11:53:43; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;32599
 10; 4384.8; 25-MAY-2008 12:00:00; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;32599
 11; 4538.9; 25-MAY-2008 12:02:34; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;32599
 12; 4812.4; 25-MAY-2008 12:07:08; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32599
 13; 5343.8; 25-MAY-2008 12:15:59; Dark ; 42.5; 52; 16Bet Cet ; 2.04; 4500;occ; 85; 0;32599
 14; 5870.0; 25-MAY-2008 12:24:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32599
 15; 6040.9; 25-MAY-2008 12:27:36; Dark ; 46.5; 63; Bet Gru ; 2.15; 2800;occ; 93; 0;32599
 16; 6145.0; 25-MAY-2008 12:29:20; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;32599
 17; 6462.5; 25-MAY-2008 12:34:38; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32599
 18; 6860.4; 25-MAY-2008 12:41:16; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32599
 19; 7029.8; 25-MAY-2008 12:44:05; Dark ; 47.0; 40; The Sco ; 1.86; 7100;occ; 94; 0;32599
 20; 7140.0; 25-MAY-2008 12:45:55; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;32599
 21; 7257.6; 25-MAY-2008 12:47:53; Dark ; 45.0; 75; 26Eps Sco ; 2.29; 4250;occ; 90; 0;32599
 22; 7386.1; 25-MAY-2008 12:50:02; Dark ; 44.0; 136; 23Tau Sco ; 2.82; 30000;occ; 88; 0;32599
 23; 7566.2; 25-MAY-2008 12:53:02; Bright; 40.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 80; 0;32599

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 2; -2100.0; 25-MAY-2008 05:10:08; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32595
 3; -2028.3; 25-MAY-2008 05:11:19; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;32595
 4; -1651.5; 25-MAY-2008 05:17:36; Bright; 48.0; 53; 43Bet And ; 2.05; 3300;occ; 96; 0;32595
 5; -1497.7; 25-MAY-2008 05:20:10; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;32595
 6; -1224.9; 25-MAY-2008 05:24:43; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32595
 7; -694.0; 25-MAY-2008 05:33:34; Dark ; 43.5; 52; 16Bet Cet ; 2.04; 4500;occ; 87; 0;32595
 8; -168.2; 25-MAY-2008 05:42:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32595
 9; 1.9; 25-MAY-2008 05:45:10; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;32596
 10; 105.8; 25-MAY-2008 05:46:54; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;32596
 11; 423.7; 25-MAY-2008 05:52:11; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32596
 12; 822.8; 25-MAY-2008 05:58:50; Dark ; 39.0; 141; Bet Ara ; 2.84; 4600;occ; 78; 0;32596
 13; 991.9; 25-MAY-2008 06:01:40; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;32596
 14; 1102.0; 25-MAY-2008 06:03:30; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;32596
 15; 1220.4; 25-MAY-2008 06:05:28; Dark ; 44.0; 75; 26Eps Sco ; 2.29; 4250;occ; 88; 0;32596
 16; 1388.7; 25-MAY-2008 06:08:16; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;32596
 17; 1529.8; 25-MAY-2008 06:10:37; Bright; 40.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 80; 0;32596
 18; 1737.3; 25-MAY-2008 06:14:05; Bright; 35.5; 104; 27Bet Lib ; 2.61; 13100;occ; 71; 0;32596
 19; 1838.1; 25-MAY-2008 06:15:46; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;32596
 20; 2021.5; 25-MAY-2008 06:18:49; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32596
 21; 2369.3; 25-MAY-2008 06:24:37; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32596
 22; 3035.2; 25-MAY-2008 06:35:43; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32596
 23; 3170.5; 25-MAY-2008 06:37:58; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32596

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 2; 1837.8; 25-MAY-2008 12:58:09; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;32600
 3; 2021.0; 25-MAY-2008 13:01:12; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32600
 4; 2369.2; 25-MAY-2008 13:07:01; Bright; 34.5; 83; ; 2.38; 11000;occ; 69; 0;32600
 5; 3033.8; 25-MAY-2008 13:18:05; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32600
 6; 3170.3; 25-MAY-2008 13:20:22; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;32600
 7; 3935.8; 25-MAY-2008 13:33:07; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;32600


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8; 4007.4; 25-MAY-2008 13:34:19; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;32600
9; 4385.0; 25-MAY-2008 13:40:36; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;32600
10; 4539.2; 25-MAY-2008 13:43:10; Dark ; 50.0; 58; 21Alp And ; 2.07; 11000;occ; 100; 0;32600
11; 4812.9; 25-MAY-2008 13:47:44; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;32600
12; 5344.4; 25-MAY-2008 13:56:36; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;32600
13; 5870.6; 25-MAY-2008 14:05:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32600
14; 6146.0; 25-MAY-2008 14:09:57; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;32600
15; 6463.2; 25-MAY-2008 14:15:15; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32600
16; 6860.8; 25-MAY-2008 14:21:52; Dark ; 39.0; 141; Bet Ara ; 2.84; 4600;occ; 78; 0;32600
17; 7030.4; 25-MAY-2008 14:24:42; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;32600
18; 7140.5; 25-MAY-2008 14:26:32; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;32600
19; 7258.1; 25-MAY-2008 14:28:29; Dark ; 45.5; 75; 26Eps Sco ; 2.29; 4250;occ; 91; 0;32600
20; 7386.5; 25-MAY-2008 14:30:38; Dark ; 43.0; 136; 23Tau Sco ; 2.82; 30000;occ; 86; 0;32600
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3; 1837.8; 25-MAY-2008 14:38:45; Bright; 42.0; 120; 1Del Oph ; 2.73; 3200;occ; 84; 0;32601
4; 2020.8; 25-MAY-2008 14:41:48; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32601
5; 2369.3; 25-MAY-2008 14:47:36; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;32601
6; 3033.4; 25-MAY-2008 14:58:41; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32601
7; 3170.2; 25-MAY-2008 15:00:57; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;32601
8; 3678.9; 25-MAY-2008 15:09:26; Bright; 68.0; 89; 5Alp Cep ; 2.45; 8000;occ; 136; 0;32601
9; 3935.8; 25-MAY-2008 15:13:43; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;32601
10; 4007.3; 25-MAY-2008 15:14:55; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;32601
11; 4385.2; 25-MAY-2008 15:21:12; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;32601
12; 4539.4; 25-MAY-2008 15:23:47; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;32601
13; 4813.3; 25-MAY-2008 15:28:21; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;32601
14; 5344.9; 25-MAY-2008 15:37:12; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32601
15; 5871.2; 25-MAY-2008 15:45:58; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;32601
16; 6146.9; 25-MAY-2008 15:50:34; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;32601
17; 6463.9; 25-MAY-2008 15:55:51; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32601
18; 6861.4; 25-MAY-2008 16:02:29; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;32601
19; 7030.9; 25-MAY-2008 16:05:18; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;32601
20; 7140.9; 25-MAY-2008 16:07:08; Dark ; 46.0; 25; 35Lam Sco ; 1.62; 28000;occ; 92; 0;32601
21; 7258.5; 25-MAY-2008 16:09:06; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;32601
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2; 1350.9; 25-MAY-2008 16:11:14; Dark ; 44.0; 136; 23Tau Sco ; 2.82; 30000;occ; 88; 0;32602
3; 1530.7; 25-MAY-2008 16:14:14; Bright; 40.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 80; 0;32602
4; 1737.7; 25-MAY-2008 16:17:41; Bright; 36.0; 104; 27Bet Lib ; 2.61; 13100;occ; 72; 0;32602
5; 1837.7; 25-MAY-2008 16:19:21; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;32602
6; 2020.7; 25-MAY-2008 16:22:24; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32602
7; 2369.3; 25-MAY-2008 16:28:12; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;32602
8; 3033.1; 25-MAY-2008 16:39:16; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32602
9; 3170.1; 25-MAY-2008 16:41:33; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32602
10; 3678.4; 25-MAY-2008 16:50:02; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;32602
11; 3935.7; 25-MAY-2008 16:54:19; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;32602
12; 4007.2; 25-MAY-2008 16:55:30; Bright; 38.5; 68; 18Alp Cas ; 2.22; 4500;occ; 77; 0;32602
13; 4385.2; 25-MAY-2008 17:01:48; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;32602
14; 4539.6; 25-MAY-2008 17:04:23; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;32602
15; 4813.9; 25-MAY-2008 17:08:57; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32602
16; 5345.4; 25-MAY-2008 17:17:49; Dark ; 48.5; 52; 16Bet Cet ; 2.04; 4500;occ; 97; 0;32602
17; 5871.8; 25-MAY-2008 17:26:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32602
18; 6043.4; 25-MAY-2008 17:29:27; Dark ; 57.5; 63; Bet Gru ; 2.15; 2800;occ; 115; 0;32602
19; 6147.9; 25-MAY-2008 17:31:11; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;32602
20; 6464.7; 25-MAY-2008 17:36:28; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32602
21; 6861.8; 25-MAY-2008 17:43:05; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;32602
22; 7031.5; 25-MAY-2008 17:45:55; Dark ; 42.5; 40; The Sco ; 1.86; 7100;occ; 85; 0;32602
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2; 1105.5; 25-MAY-2008 17:47:45; Dark ; 50.5; 25; 35Lam Sco ; 1.62; 28000;occ; 101; 0;32603
3; 1222.8; 25-MAY-2008 17:49:42; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;32603
4; 1351.2; 25-MAY-2008 17:51:50; Dark ; 41.5; 136; 23Tau Sco ; 2.82; 30000;occ; 83; 0;32603
5; 1530.9; 25-MAY-2008 17:54:50; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;32603
6; 1737.7; 25-MAY-2008 17:58:17; Bright; 36.5; 104; 27Bet Lib ; 2.61; 13100;occ; 73; 0;32603
7; 1837.6; 25-MAY-2008 17:59:57; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;32603
8; 2020.7; 25-MAY-2008 18:03:00; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32603
9; 2369.2; 25-MAY-2008 18:08:48; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;32603

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11; 3170.0; 25-MAY-2008 18:22:09; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32603
12; 3677.9; 25-MAY-2008 18:30:37; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;32603
13; 3935.4; 25-MAY-2008 18:34:55; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;32603
14; 4007.1; 25-MAY-2008 18:36:06; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;32603
15; 4385.2; 25-MAY-2008 18:42:24; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;32603
16; 4539.7; 25-MAY-2008 18:44:59; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;32603
17; 4814.3; 25-MAY-2008 18:49:34; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;32603
18; 5345.8; 25-MAY-2008 18:58:25; Dark ; 46.0; 52; 16Bet Cet ; 2.04; 4500;occ; 92; 0;32603
19; 5872.4; 25-MAY-2008 19:07:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32603
20; 6044.1; 25-MAY-2008 19:10:03; Dark ; 57.5; 63; Bet Gru ; 2.15; 2800;occ; 115; 0;32603
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22; 6465.4; 25-MAY-2008 19:17:05; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;32603
23; 6862.2; 25-MAY-2008 19:23:41; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32603
24; 7031.9; 25-MAY-2008 19:26:31; Dark ; 10.5; 40; The Sco ; 1.86; 7100;occ; 21; 0;32603
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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
18; 3026.2; 27-MAY-2008 00:30:32; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32621
19; 3169.0; 27-MAY-2008 00:32:55; Bright; 32.5; 60; 7Bet UMi ; 2.08; 3950;occ; 65; 0;32621
20; 3667.8; 27-MAY-2008 00:41:14; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;32621
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
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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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2; 1837.0; 26-MAY-2008 09:05:20; Bright; 41.5; 120; 1Del Oph ; 2.73; 3200;occ; 83; 0;32612
3; 2019.5; 26-MAY-2008 09:08:22; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32612
4; 2382.0; 26-MAY-2008 09:14:25; Bright; 38.0; 67; 5Alp CrB ; 2.22; 11000;occ; 76; 0;32612
5; 2572.9; 26-MAY-2008 09:17:35; Bright; 42.0; 133; 40Zet Her ; 2.81; 6000;occ; 84; 0;32612
6; 3029.5; 26-MAY-2008 09:25:12; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32612
7; 3169.5; 26-MAY-2008 09:27:32; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;32612
8; 3672.8; 26-MAY-2008 09:35:55; Bright; 68.0; 89; 5Alp Cep ; 2.45; 8000;occ; 136; 0;32612
9; 3935.0; 26-MAY-2008 09:40:18; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32612
10; 4386.3; 26-MAY-2008 09:47:49; Bright; 55.0; 53; 43Bet And ; 2.05; 3300;occ; 110; 0;32612
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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
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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
10; 4386.4; 26-MAY-2008 11:28:25; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;32613
11; 4541.5; 26-MAY-2008 11:31:00; Dark ; 50.5; 58; 21Alp And ; 2.07; 11000;occ; 101; 0;32613
12; 4818.3; 26-MAY-2008 11:35:37; Dark ; 49.0; 140; 88Gam Peg ; 2.83; 26000;occ; 98; 0;32613
13; 5350.7; 26-MAY-2008 11:44:29; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;32613
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17; 6472.3; 26-MAY-2008 12:03:11; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32613
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22; 7390.1; 26-MAY-2008 12:18:29; Dark ; 41.5; 136; 23Tau Sco ; 2.82; 30000;occ; 83; 0;32613
23; 7520.5; 26-MAY-2008 12:20:39; Bright; 56.0; 80; 7Del Sco ; 2.32; 30000;occ; 112; 0;32613
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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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8; 3028.5; 26-MAY-2008 14:26:59; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32615
9; 3169.4; 26-MAY-2008 14:29:20; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32615
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3; 1836.1; 27-MAY-2008 13:35:29; Bright; 41.5; 120; 1Del Oph ; 2.73; 3200;occ; 83; 0;32629
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22; 7268.1; 27-MAY-2008 15:06:01; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;32629
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4; 2378.4; 27-MAY-2008 15:25:07; Bright; 37.5; 67; 5Alp CrB ; 2.22; 11000;occ; 75; 0;32630
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7; 3168.6; 27-MAY-2008 15:38:18; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32630
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4; 141.2; 28-MAY-2008 00:51:26; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;32636
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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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23; 7397.0; 28-MAY-2008 09:34:46; Dark ; 41.5; 136; 23Tau Sco ; 2.82; 30000;occ; 83; 0;32640
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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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13;	5365.2;	28-MAY-2008	10:41:30;	Dark	;	41.5;	52;	16Bet Cet	;	2.04;	4500;occ;	83;	0;	32641
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16;	6182.4;	28-MAY-2008	10:55:07;	Dark	;	45.5;	31;	Alp Gru	;	1.73;	15200;occ;	91;	0;	32641
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18;	6877.7;	28-MAY-2008	11:06:42;	Dark	;	40.5;	141;	Bet Ara	;	2.84;	4600;occ;	81;	0;	32641
19;	7050.8;	28-MAY-2008	11:09:35;	Dark	;	45.5;	40;	The Sco	;	1.86;	7100;occ;	91;	0;	32641
20;	7159.8;	28-MAY-2008	11:11:24;	Dark	;	47.0;	25;	35Lam Sco	;	1.62;	28000;occ;	94;	0;	32641
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22;	7397.2;	28-MAY-2008	11:15:22;	Dark	;	42.5;	136;	23Tau Sco	;	2.82;	30000;occ;	85;	0;	32641
23;	7525.6;	28-MAY-2008	11:17:30;	Bright;	39.0;	80;	7Del Sco	;	2.32;	30000;occ;	78;	0;	32641	
24;	7622.5;	28-MAY-2008	11:19:07;	Bright;	48.0;	86;	35Eta Oph	;	2.43;	10200;occ;	96;	0;	32641	
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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2;	1835.4;	28-MAY-2008	11:23:16;	Bright;	40.5;	120;	1Del Oph	;	2.73;	3200;occ;	81;	0;	32642	
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6;	3019.3;	28-MAY-2008	11:43:00;	Bright;	40.5;	119;	14Eta Dra	;	2.73;	4700;occ;	81;	0;	32642	
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10;	4389.5;	28-MAY-2008	12:05:50;	Bright;	40.5;	53;	43Bet And	;	2.05;	3300;occ;	81;	0;	32642	
11;	4547.0;	28-MAY-2008	12:08:27;	Dark	;	50.5;	58;	21Alp And	;	2.07;	11000;occ;	101;	0;	32642
12;	4830.6;	28-MAY-2008	12:13:11;	Dark	;	49.0;	140;	88Gam Peg	;	2.83;	26000;occ;	98;	0;	32642
13;	5246.2;	28-MAY-2008	12:20:06;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	32642
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17;	6183.4;	28-MAY-2008	12:35:44;	Dark	;	45.0;	31;	Alp Gru	;	1.73;	15200;occ;	90;	0;	32642
18;	6492.5;	28-MAY-2008	12:40:53;	Dark	;	41.5;	45;	Alp Pav	;	1.94;	26000;occ;	83;	0;	32642
19;	6878.0;	28-MAY-2008	12:47:18;	Dark	;	38.5;	141;	Bet Ara	;	2.84;	4600;occ;	77;	0;	32642
20;	7051.2;	28-MAY-2008	12:50:12;	Dark	;	44.5;	40;	The Sco	;	1.86;	7100;occ;	89;	0;	32642
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4; 1834.9; 29-MAY-2008 14:12:50; Bright; 41.0; 120; 1Del Oph ; 2.73; 3200;occ; 82; 0;32658
5; 2016.2; 29-MAY-2008 14:15:51; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;32658
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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3; 1588.4; 29-MAY-2008 15:49:19; Bright; 47.0; 86; 35Eta Oph ; 2.43; 10200;occ; 94; 0;32659
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6; 2016.1; 29-MAY-2008 15:56:27; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;32659
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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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6; 1702.0; 29-MAY-2008 17:31:49; Bright; 40.5; 98; 13Zet Oph ; 2.57; 30000;occ; 81; 0;32660
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 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
 15; 6056.3; 31-MAY-2008 17:41:09; Dark ; 106.0; 63; Bet Gru ; 2.15; 2800;occ; 212; 0;32688
 16; 6469.2; 31-MAY-2008 17:48:02; Dark ; 96.0; 45; Alp Pav ; 1.94; 26000;occ; 192; 0;32688
 17; 6917.5; 31-MAY-2008 17:55:31; Dark ; 95.0; 147; Alp Ara ; 2.88; 26000;occ; 190; 0;32688
 18; 7121.8; 31-MAY-2008 17:58:55; Dark ; 78.0; 25; 35Lam Sco ; 1.62; 28000;occ; 156; 0;32688

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1; -724.6; 31-MAY-2008 22:30:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 55;32691
 2; -642.0; 31-MAY-2008 22:31:55; Dark ; 46.0; 52; 16Bet Cet ; 2.04; 4500;occ; 92; 0;32691
 3; -118.0; 31-MAY-2008 22:40:39; Dark ; 55.0; 18; 24Alp PsA ; 1.17; 9700;occ; 110; 0;32691
 4; 79.9; 31-MAY-2008 22:43:57; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;32692
 5; 192.7; 31-MAY-2008 22:45:50; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;32692
 6; 490.5; 31-MAY-2008 22:50:47; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32692
 7; 936.5; 31-MAY-2008 22:58:13; Dark ; 39.5; 147; Alp Ara ; 2.88; 26000;occ; 79; 0;32692
 8; 1037.8; 31-MAY-2008 22:59:55; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;32692
 9; 1145.7; 31-MAY-2008 23:01:43; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;32692
 10; 1251.8; 31-MAY-2008 23:03:29; Dark ; 50.5; 75; 26Eps Sco ; 2.29; 4250;occ; 101; 0;32692
 11; 1373.7; 31-MAY-2008 23:05:31; Dark ; 49.0; 136; 23Tau Sco ; 2.82; 30000;occ; 98; 0;32692
 12; 1498.5; 31-MAY-2008 23:07:35; Bright; 38.5; 80; 7Del Sco ; 2.32; 30000;occ; 77; 0;32692
 13; 1591.3; 31-MAY-2008 23:09:08; Bright; 45.5; 86; 35Eta Oph ; 2.43; 10200;occ; 91; 0;32692
 14; 1702.8; 31-MAY-2008 23:11:00; Bright; 39.5; 98; 13Zet Oph ; 2.57; 30000;occ; 79; 0;32692
 15; 1833.9; 31-MAY-2008 23:13:11; Bright; 38.5; 120; 1Del Oph ; 2.73; 3200;occ; 77; 0;32692
 16; 2014.7; 31-MAY-2008 23:16:12; Bright; 36.5; 102; 24Alp Ser ; 2.60; 4250;occ; 73; 0;32692
 17; 2368.8; 31-MAY-2008 23:22:06; Bright; 38.0; 67; 5Alp CrB ; 2.22; 11000;occ; 76; 0;32692
 18; 2527.0; 31-MAY-2008 23:24:44; Bright; 42.0; 133; 40Zet Her ; 2.81; 6000;occ; 84; 0;32692
 19; 3003.9; 31-MAY-2008 23:32:41; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32692
 20; 3627.1; 31-MAY-2008 23:43:04; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;32692
 21; 3928.8; 31-MAY-2008 23:48:06; Bright; 56.0; 76; 27Gam Cas ; 2.30; 30000;occ; 112; 0;32692
 22; 4394.5; 31-MAY-2008 23:55:51; Bright; 40.0; 53; 43Bet And ; 2.05; 3300;occ; 80; 0;32692
 23; 4556.8; 31-MAY-2008 23:58:34; Dark ; 53.0; 58; 21Alp And ; 2.07; 11000;occ; 106; 0;32692
 24; 4854.5; 01-JUN-2008 00:03:31; Dark ; 51.0; 140; 88Gam Peg ; 2.83; 26000;occ; 102; 0;32692
 25; 5284.7; 01-JUN-2008 00:10:42; Dark ; 37.0; 0; ; 0.00; 0;occ; 74; 0;32692

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 2; 1317.8; 31-MAY-2008 18:02:47; Dark ; 103.5; 136; 23Tau Sco ; 2.82; 30000;occ; 207; 0;32689
 3; 1527.9; 31-MAY-2008 18:06:17; Bright; 108.0; 86; 35Eta Oph ; 2.43; 10200;occ; 216; 0;32689
 4; 1778.1; 31-MAY-2008 18:10:27; Bright; 96.0; 120; 1Del Oph ; 2.73; 3200;occ; 192; 0;32689
 5; 1961.7; 31-MAY-2008 18:13:31; Bright; 90.5; 102; 24Alp Ser ; 2.60; 4250;occ; 181; 0;32689
 6; 2263.1; 31-MAY-2008 18:18:32; Bright; 103.0; 127; 27Bet Her ; 2.78; 4700;occ; 206; 0;32689
 7; 2469.1; 31-MAY-2008 18:21:58; Bright; 102.5; 133; 40Zet Her ; 2.81; 6000;occ; 205; 0;32689
 8; 2951.7; 31-MAY-2008 18:30:01; Bright; 93.5; 119; 14Eta Dra ; 2.73; 4700;occ; 187; 0;32689
 9; 3563.0; 31-MAY-2008 18:40:12; Bright; 112.0; 89; 5Alp Cep ; 2.45; 8000;occ; 224; 0;32689
 10; 3874.9; 31-MAY-2008 18:45:24; Bright; 100.0; 76; 27Gam Cas ; 2.30; 30000;occ; 200; 0;32689
 11; 4338.6; 31-MAY-2008 18:53:08; Bright; 99.0; 53; 43Bet And ; 2.05; 3300;occ; 198; 0;32689
 12; 4489.9; 31-MAY-2008 18:55:39; Dark ; 116.5; 58; 21Alp And ; 2.07; 11000;occ; 233; 0;32689
 13; 4786.6; 31-MAY-2008 19:00:36; Dark ; 117.0; 140; 88Gam Peg ; 2.83; 26000;occ; 234; 0;32689
 14; 5282.2; 31-MAY-2008 19:08:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32689
 15; 5846.5; 31-MAY-2008 19:18:16; Dark ; 122.0; 18; 24Alp PsA ; 1.17; 9700;occ; 244; 0;32689
 16; 6114.3; 31-MAY-2008 19:22:43; Dark ; 55.0; 63; Bet Gru ; 2.15; 2800;occ; 110; 0;32689
 17; 6227.0; 31-MAY-2008 19:24:36; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;32689
 18; 6525.1; 31-MAY-2008 19:29:34; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32689
 19; 6971.7; 31-MAY-2008 19:37:01; Dark ; 39.0; 147; Alp Ara ; 2.88; 26000;occ; 78; 0;32689
 20; 7073.0; 31-MAY-2008 19:38:42; Dark ; 44.0; 40; The Sco ; 1.86; 7100;occ; 88; 0;32689