

GOMOS Daily Report 13-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	15MAY2008 05:32:02
Data source version	GOMOS/5.00
Start time of products	QDS_YESTERDAY(/START)-1D (13MAY2008 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP)-1D (14MAY2008 00:00:00)
Store outputs in DB	Yes
Nb of level 1b prods	49
Nb of prods with errors	1

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

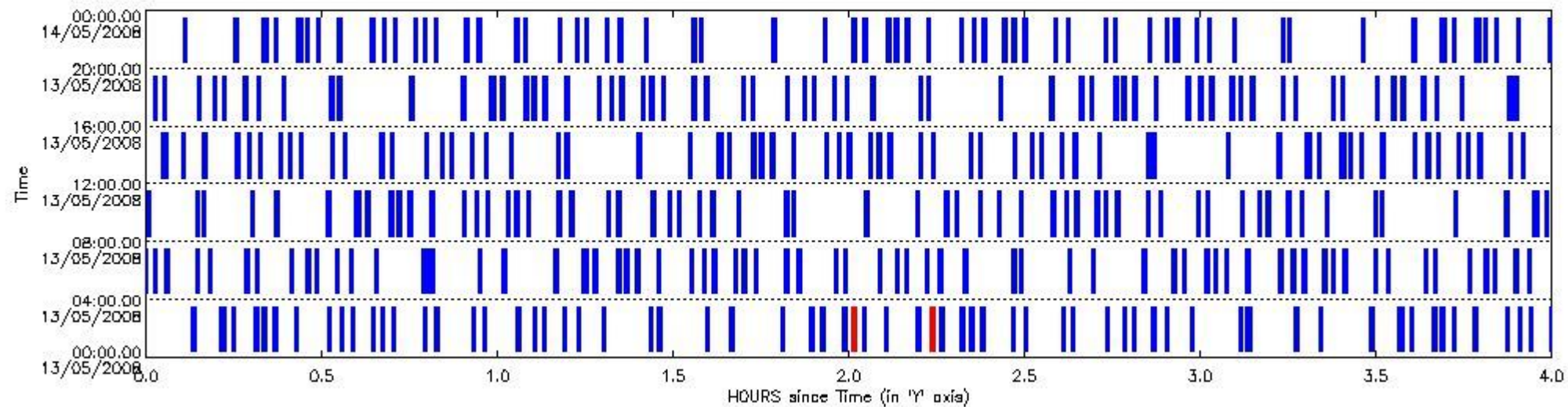
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

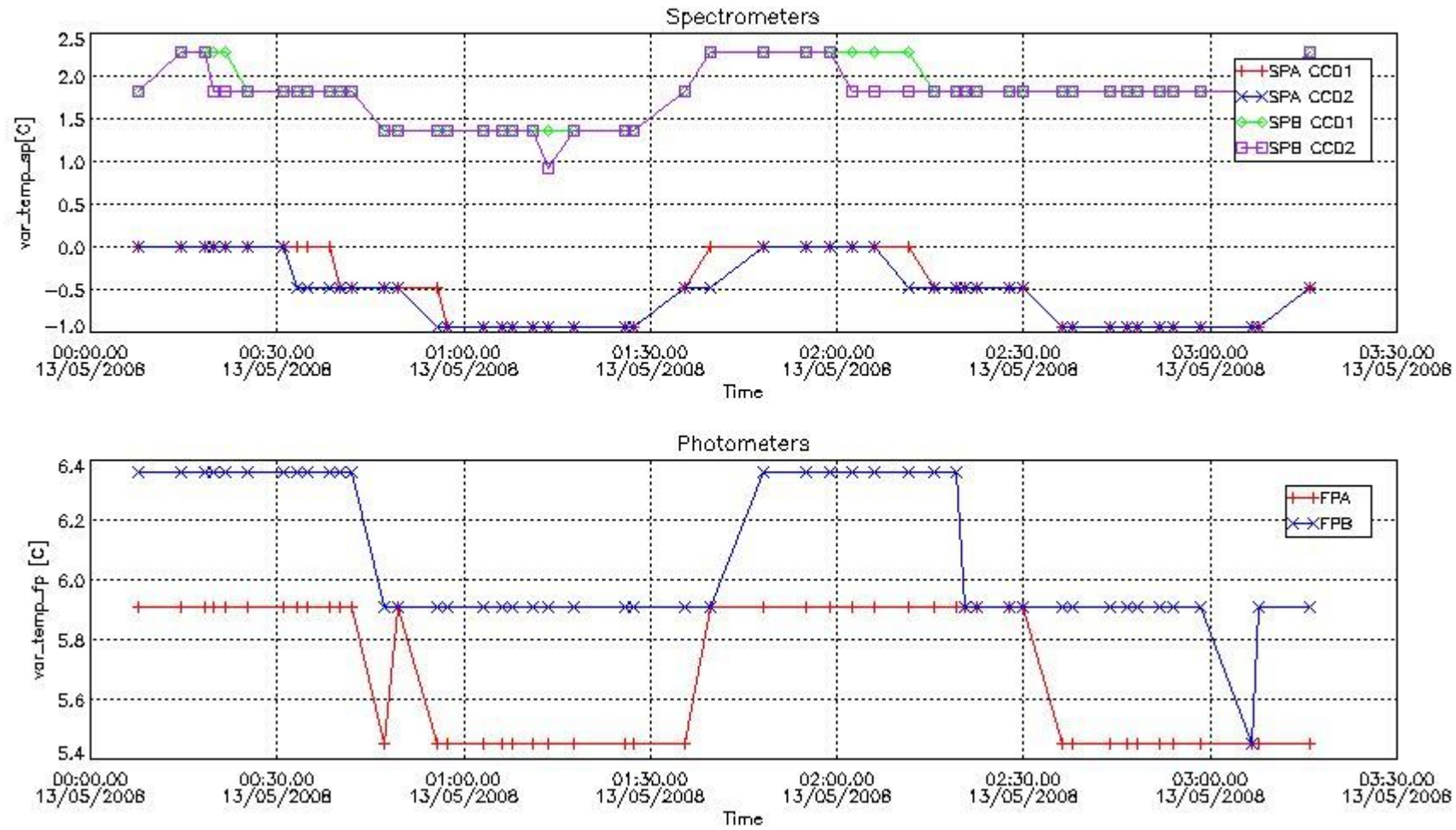
UTC start time	Star name	Star ID	Orbit
13-MAY-2008 02:00:20	AlpGru	31	32421
13-MAY-2008 02:13:42	BetTrA	134	32422

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_1PNPDE20080513_000741_000000442068_00302_32420_9188.N1	13-MAY-2008 00:07:41	Dark	44.000	52	16Bet Cet	2.0370	4500.0	88	32420	Yes
2	GOM_TRA_1PNPDE20080513_001430_000000412068_00302_32420_9189.N1	13-MAY-2008 00:14:30	Dark	41.000	84	Alp Phe	2.3970	4500.0	82	32420	No
3	GOM_TRA_1PNPDE20080513_001821_000000562068_00302_32420_9190.N1	13-MAY-2008 00:18:21	Dark	56.000	63	Bet Gru	2.1500	2800.0	112	32420	No
4	GOM_TRA_1PNPDE20080513_001945_000000422068_00302_32420_9191.N1	13-MAY-2008 00:19:45	Dark	42.000	31	Alp Gru	1.7340	15200.	84	32420	No
5	GOM_TRA_1PNPDE20080513_002142_000000392068_00303_32421_9192.N1	13-MAY-2008 00:21:42	Dark	38.500	148	Alp Tuc	2.8780	4100.0	77	32421	No
6	GOM_TRA_1PNPDE20080513_002520_000000402068_00303_32421_9193.N1	13-MAY-2008 00:25:20	Dark	40.000	45	Alp Pav	1.9400	26000.	80	32421	No
7	GOM_TRA_1PNPDE20080513_003056_000000392068_00303_32421_9194.N1	13-MAY-2008 00:30:56	Straylight	38.500	43	Alp TrA	1.9100	4250.0	77	32421	No
8	GOM_TRA_1PNPDE20080513_003307_000000392068_00303_32421_9195.N1	13-MAY-2008 00:33:07	Straylight	38.500	134	Bet TrA	2.8100	6600.0	77	32421	No
9	GOM_TRA_1PNPDE20080513_003453_000000452068_00303_32421_9196.N1	13-MAY-2008 00:34:53	Straylight	44.500	4	Alp1Cen	-0.010000	5800.0	89	32421	No

10	GOM_TRA_1PNPDE20080513_003826_000000392068_00303_32421_9197.N1	13-MAY-2008 00:38:26	Straylight	39.000	78	Alp Lup	2.3040	28000.	78	32421	No
11	GOM_TRA_1PNPDE20080513_003957_000000402068_00303_32421_9198.N1	13-MAY-2008 00:39:57	Twilight	39.500	81	Eta Cen	2.3560	28000.	79	32421	No
12	GOM_TRA_1PNPDE20080513_004154_000000412068_00303_32421_9199.N1	13-MAY-2008 00:41:54	Twilight	41.000	54	5The Cen	2.0550	4500.0	82	32421	No
13	GOM_TRA_1PNPDE20080513_004711_000000382068_00303_32421_9200.N1	13-MAY-2008 00:47:11	Bright	38.000	122	9Alp2Lib	2.7470	9700.0	76	32421	No
14	GOM_TRA_1PNPDE20080513_004918_000000372068_00303_32421_9201.N1	13-MAY-2008 00:49:18	Bright	37.000	15	67Alp Vir	0.97600	28000.	74	32421	No
15	GOM_TRA_1PNPDE20080513_005540_000000352068_00303_32421_9202.N1	13-MAY-2008 00:55:40	Bright	34.500	138	47Eps Vir	2.8280	4700.0	69	32421	No
16	GOM_TRA_1PNPDE20080513_005721_000000352068_00303_32421_9203.N1	13-MAY-2008 00:57:21	Bright	35.000	111	8Eta Boo	2.6800	6000.0	70	32421	No
17	GOM_TRA_1PNPDE20080513_010314_000000372068_00303_32421_9204.N1	13-MAY-2008 01:03:14	Bright	36.500	152	12Alp2CVn	2.8900	11000.	73	32421	No
18	GOM_TRA_1PNPDE20080513_010606_000000362068_00303_32421_9205.N1	13-MAY-2008 01:06:06	Bright	36.000	39	85Eta UMa	1.8540	24000.	72	32421	No
19	GOM_TRA_1PNPDE20080513_010740_000000352068_00303_32421_9206.N1	13-MAY-2008 01:07:40	Bright	35.000	55	79Zet UMa	2.0600	10200.	70	32421	No
20	GOM_TRA_1PNPDE20080513_011107_000000342068_00303_32421_9207.N1	13-MAY-2008 01:11:07	Bright	33.500	36	50Alp UMa	1.8000	6300.0	67	32421	No
21	GOM_TRA_1PNPDE20080513_011328_000000342068_00303_32421_9208.N1	13-MAY-2008 01:13:28	Bright	34.000	60	7Bet UMi	2.0810	3950.0	68	32421	No
22	GOM_TRA_1PNPDE20080513_011746_000000332068_00303_32421_9209.N1	13-MAY-2008 01:17:46	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	32421	No
23	GOM_TRA_1PNPDE20080513_012557_000000352068_00303_32421_9210.N1	13-MAY-2008 01:25:57	Bright	34.500	76	27Gam Cas	2.3000	30000.	69	32421	No
24	GOM_TRA_1PNPDE20080513_012711_000000352068_00303_32421_9211.N1	13-MAY-2008 01:27:11	Bright	53.000	68	18Alp Cas	2.2250	4500.0	106	32421	No
25	GOM_TRA_1PNPDE20080513_013528_000000402068_00303_32421_9212.N1	13-MAY-2008 01:35:28	Bright	39.500	58	21Alp And	2.0730	11000.	79	32421	No
26	GOM_TRA_1PNPDE20080513_013933_000000412068_00303_32421_9213.N1	13-MAY-2008 01:39:33	Twilight	41.000	140	88Gam Peg	2.8340	26000.	82	32421	No
27	GOM_TRA_1PNPDE20080513_014817_000000452068_00303_32421_9392.N1	13-MAY-2008 01:48:17	Dark	44.500	52	16Bet Cet	2.0370	4500.0	89	32421	No
28	GOM_TRA_1PNPDE20080513_015506_000000412068_00303_32421_9393.N1	13-MAY-2008 01:55:06	Dark	41.000	84	Alp Phe	2.3970	4500.0	82	32421	No
29	GOM_TRA_1PNPDE20080513_015858_000000462068_00303_32421_9394.N1	13-MAY-2008 01:58:58	Dark	46.000	63	Bet Gru	2.1500	2800.0	92	32421	No
30	GOM_TRA_1PNPDE20080513_020218_000000392068_00304_32422_9395.N1	13-MAY-2008 02:02:18	Dark	38.500	148	Alp Tuc	2.8780	4100.0	77	32422	No
31	GOM_TRA_1PNPDE20080513_020557_000000402068_00304_32422_9396.N1	13-MAY-2008 02:05:57	Dark	40.000	45	Alp Pav	1.9400	26000.	80	32422	No
32	GOM_TRA_1PNPDE20080513_021132_000000432068_00304_32422_9397.N1	13-MAY-2008 02:11:32	Straylight	42.500	43	Alp TrA	1.9100	4250.0	85	32422	No
33	GOM_TRA_1PNPDE20080513_021529_000000432068_00304_32422_9398.N1	13-MAY-2008 02:15:29	Straylight	42.500	4	Alp1Cen	-0.010000	5800.0	85	32422	No
34	GOM_TRA_1PNPDE20080513_021902_000000372068_00304_32422_9399.N1	13-MAY-2008 02:19:02	Straylight	37.000	78	Alp Lup	2.3040	28000.	74	32422	No
35	GOM_TRA_1PNPDE20080513_022033_000000402068_00304_32422_9400.N1	13-MAY-2008 02:20:33	Twilight	39.500	81	Eta Cen	2.3560	28000.	79	32422	No
36	GOM_TRA_1PNPDE20080513_022230_000000442068_00304_32422_9401.N1	13-MAY-2008 02:22:30	Twilight	43.500	54	5The Cen	2.0550	4500.0	87	32422	No
37	GOM_TRA_1PNPDE20080513_022747_000000382068_00304_32422_9402.N1	13-MAY-2008 02:27:47	Bright	37.500	122	9Alp2Lib	2.7470	9700.0	75	32422	No
38	GOM_TRA_1PNPDE20080513_022954_000000382068_00304_32422_9403.N1	13-MAY-2008 02:29:54	Bright	38.000	15	67Alp Vir	0.97600	28000.	76	32422	No
39	GOM_TRA_1PNPDE20080513_023617_000000352068_00304_32422_9404.N1	13-MAY-2008 02:36:17	Bright	35.000	138	47Eps Vir	2.8280	4700.0	70	32422	No
40	GOM_TRA_1PNPDE20080513_023757_000000372068_00304_32422_9405.N1	13-MAY-2008 02:37:57	Bright	36.500	111	8Eta Boo	2.6800	6000.0	73	32422	No
41	GOM_TRA_1PNPDE20080513_024350_000000352068_00304_32422_9406.N1	13-MAY-2008 02:43:50	Bright	34.500	152	12Alp2CVn	2.8900	11000.	69	32422	No
42	GOM_TRA_1PNPDE20080513_024642_000000362068_00304_32422_9407.N1	13-MAY-2008 02:46:42	Bright	36.000	39	85Eta UMa	1.8540	24000.	72	32422	No
43	GOM_TRA_1PNPDE20080513_024816_000000362068_00304_32422_9408.N1	13-MAY-2008 02:48:16	Bright	35.500	55	79Zet UMa	2.0600	10200.	71	32422	No
44	GOM_TRA_1PNPDE20080513_025143_000000372068_00304_32422_9409.N1	13-MAY-2008 02:51:43	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	32422	No
45	GOM_TRA_1PNPDE20080513_025404_000000372068_00304_32422_9410.N1	13-MAY-2008 02:54:04	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	32422	No
46	GOM_TRA_1PNPDE20080513_025822_000000362068_00304_32422_9411.N1	13-MAY-2008 02:58:22	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	32422	No
47	GOM_TRA_1PNPDE20080513_030633_000000342068_00304_32422_9644.N1	13-MAY-2008 03:06:33	Bright	33.500	76	27Gam Cas	2.3000	30000.	67	32422	No
48	GOM_TRA_1PNPDE20080513_030747_000000522068_00304_32422_9645.N1	13-MAY-2008 03:07:47	Bright	52.000	68	18Alp Cas	2.2250	4500.0	104	32422	No
49	GOM_TRA_1PNPDE20080513_031604_000000402068_00304_32422_9646.N1	13-MAY-2008 03:16:04	Bright	39.500	58	21Alp And	2.0730	11000.	79	32422	No

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



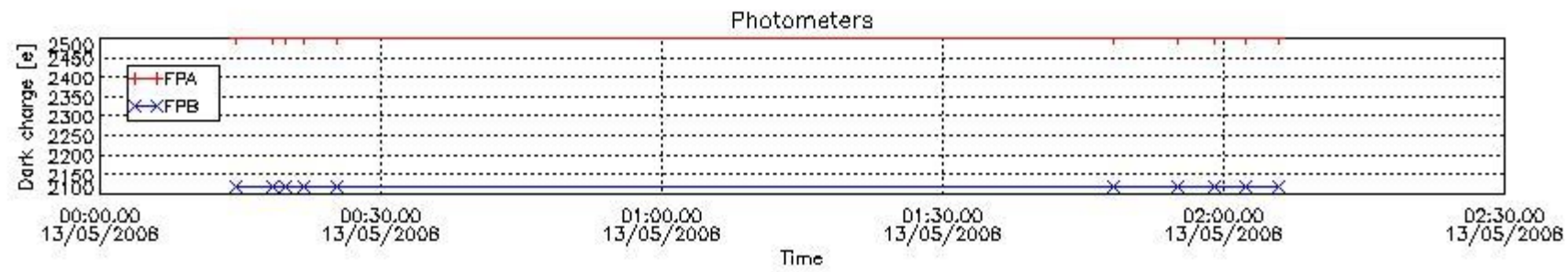
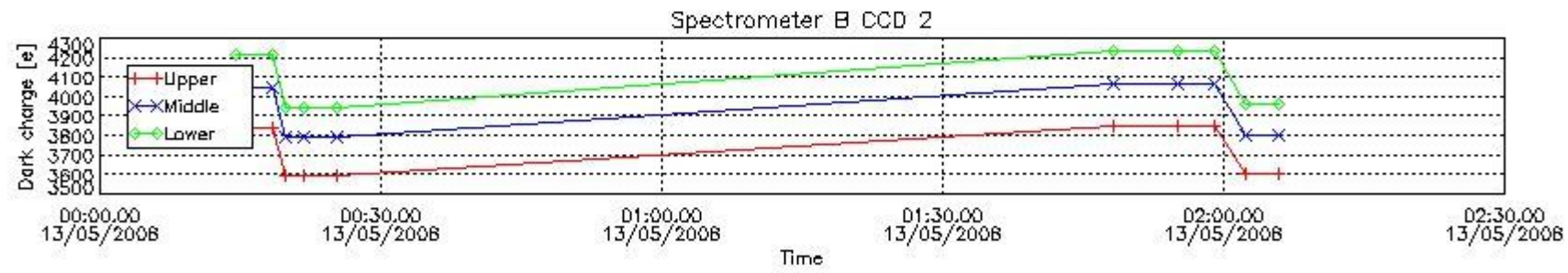
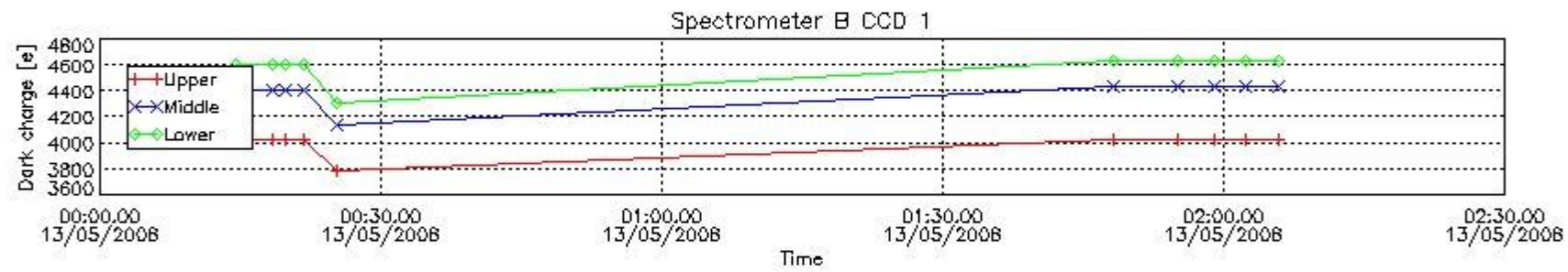
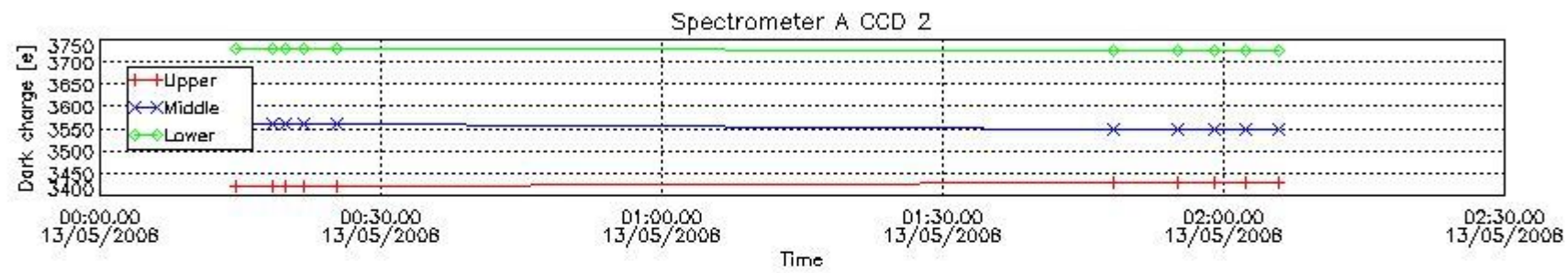
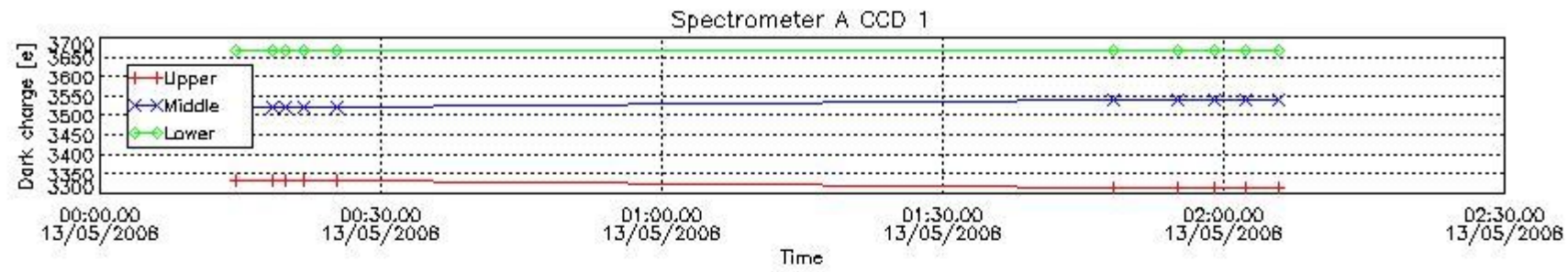
4. Overview of dark signal processing per product

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



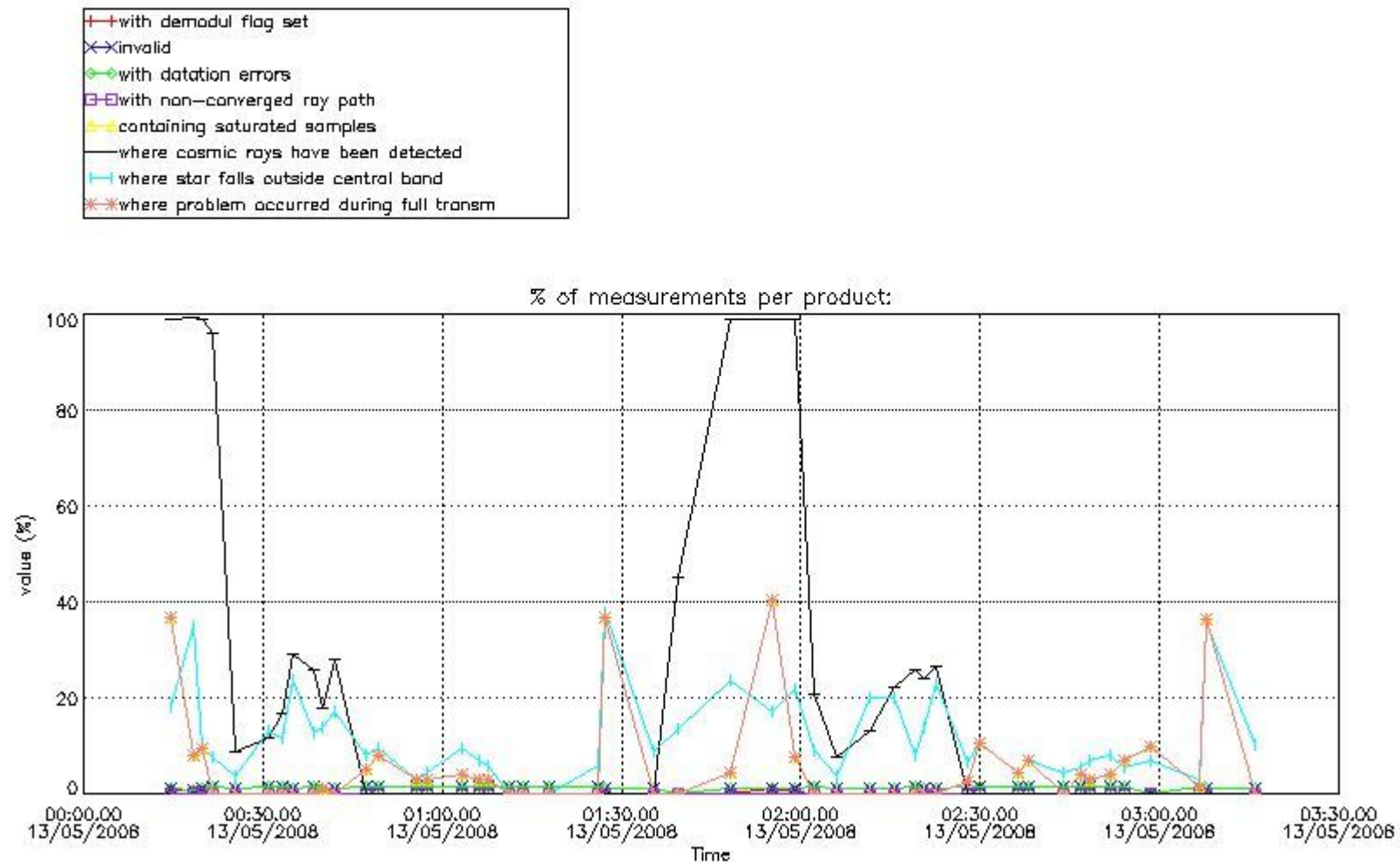
5. Demodulation flag and quality information monitoring

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.

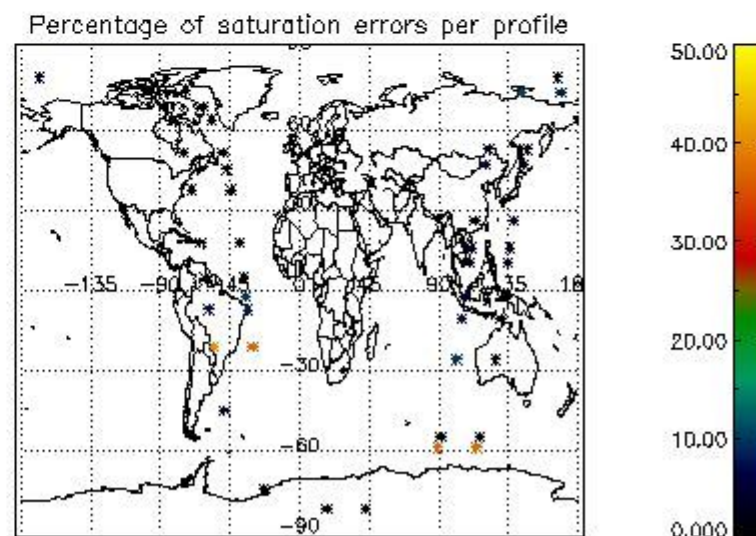
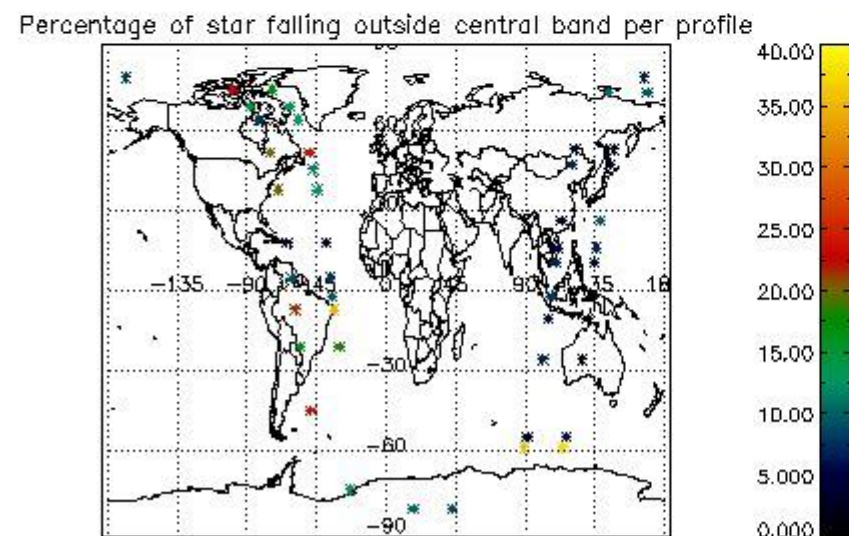
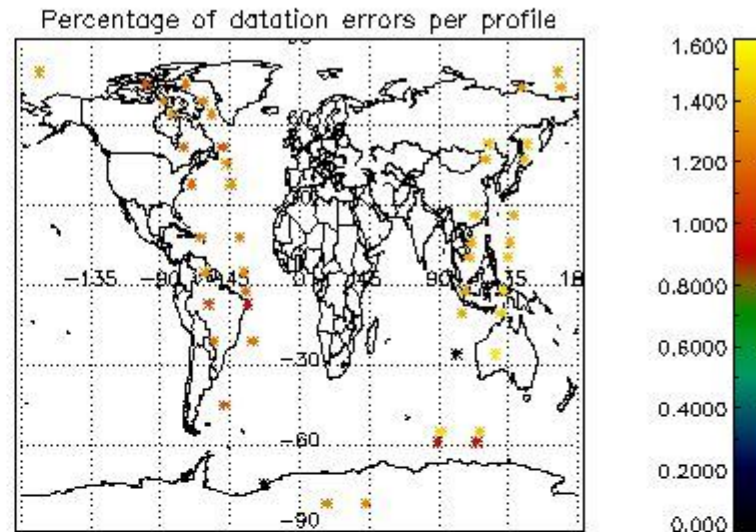
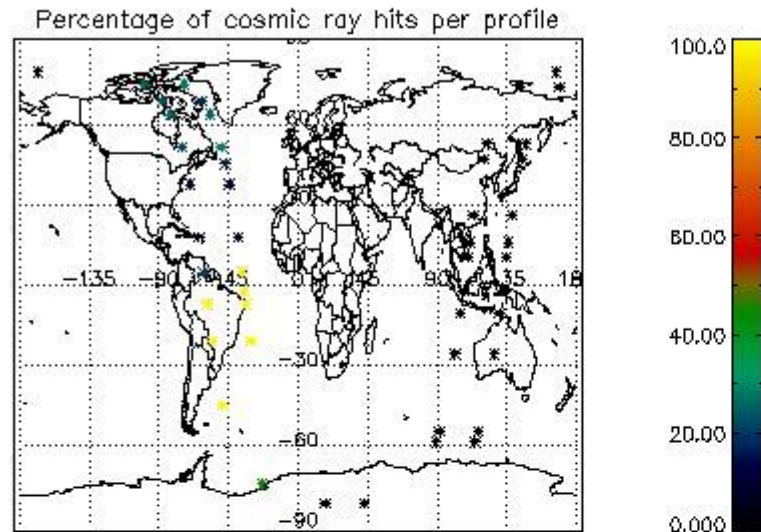
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	22.9167 %
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)



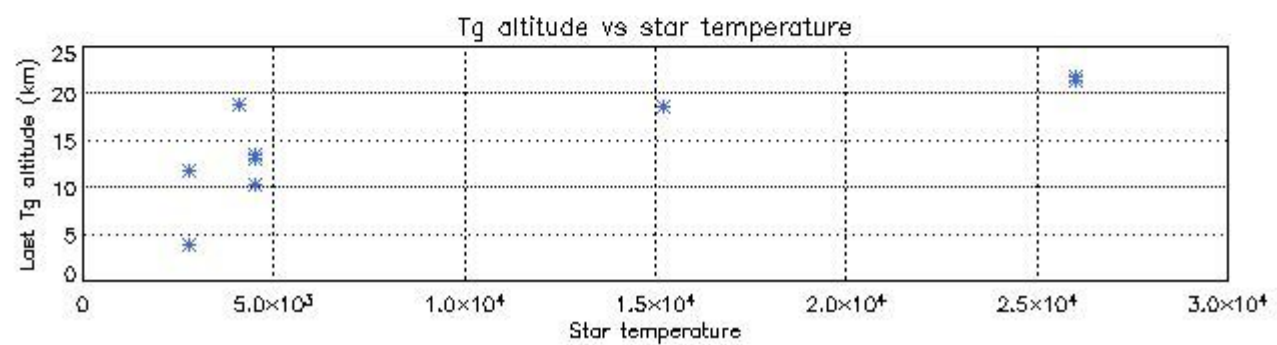
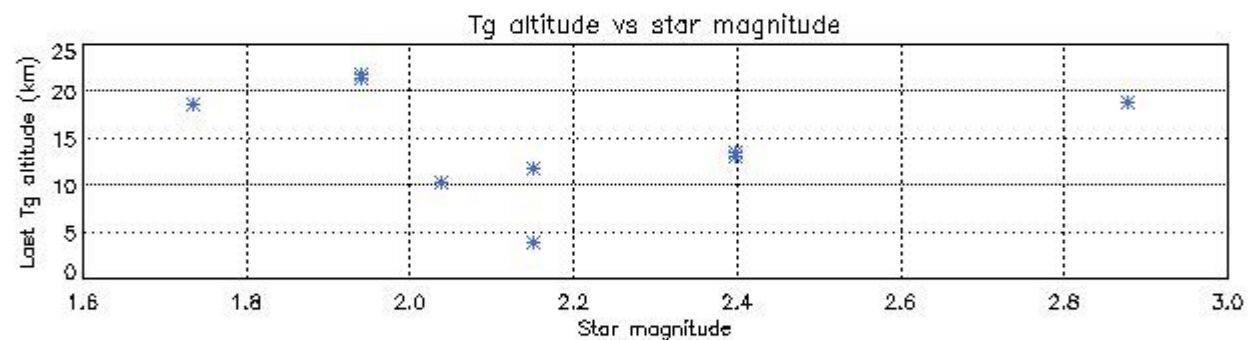
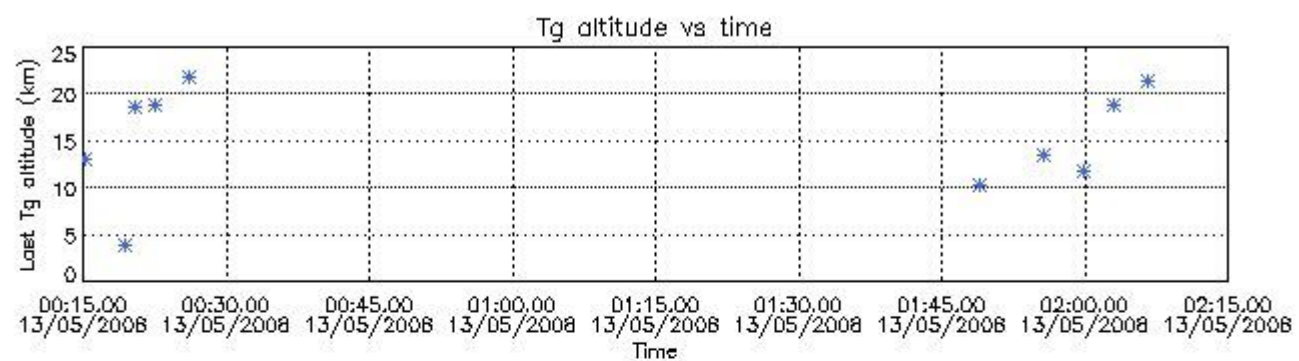
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.155	20.307	15.432
St. deviation:	5.6976	5.6029	0.0000
Maximum:	21.724	28.716	15.432
Minimum:	3.7826	3.9481	15.432
Number of data:	10.000	26.000	1.0000

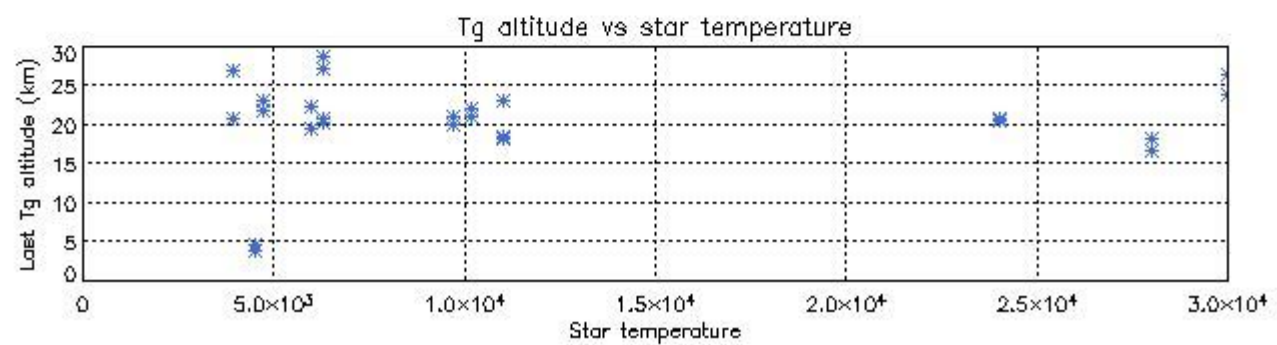
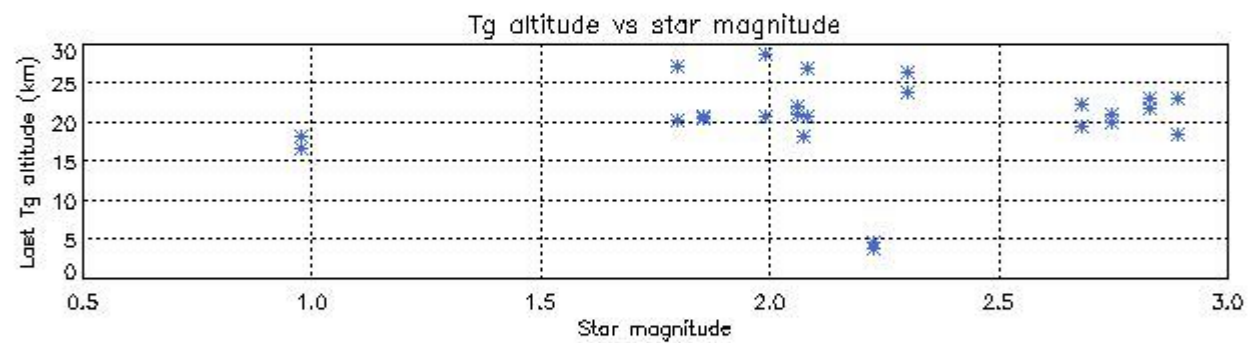
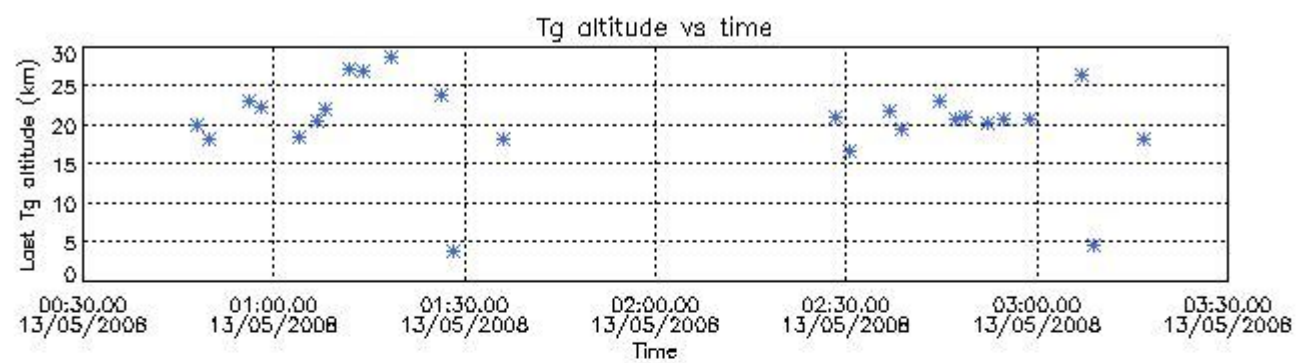
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



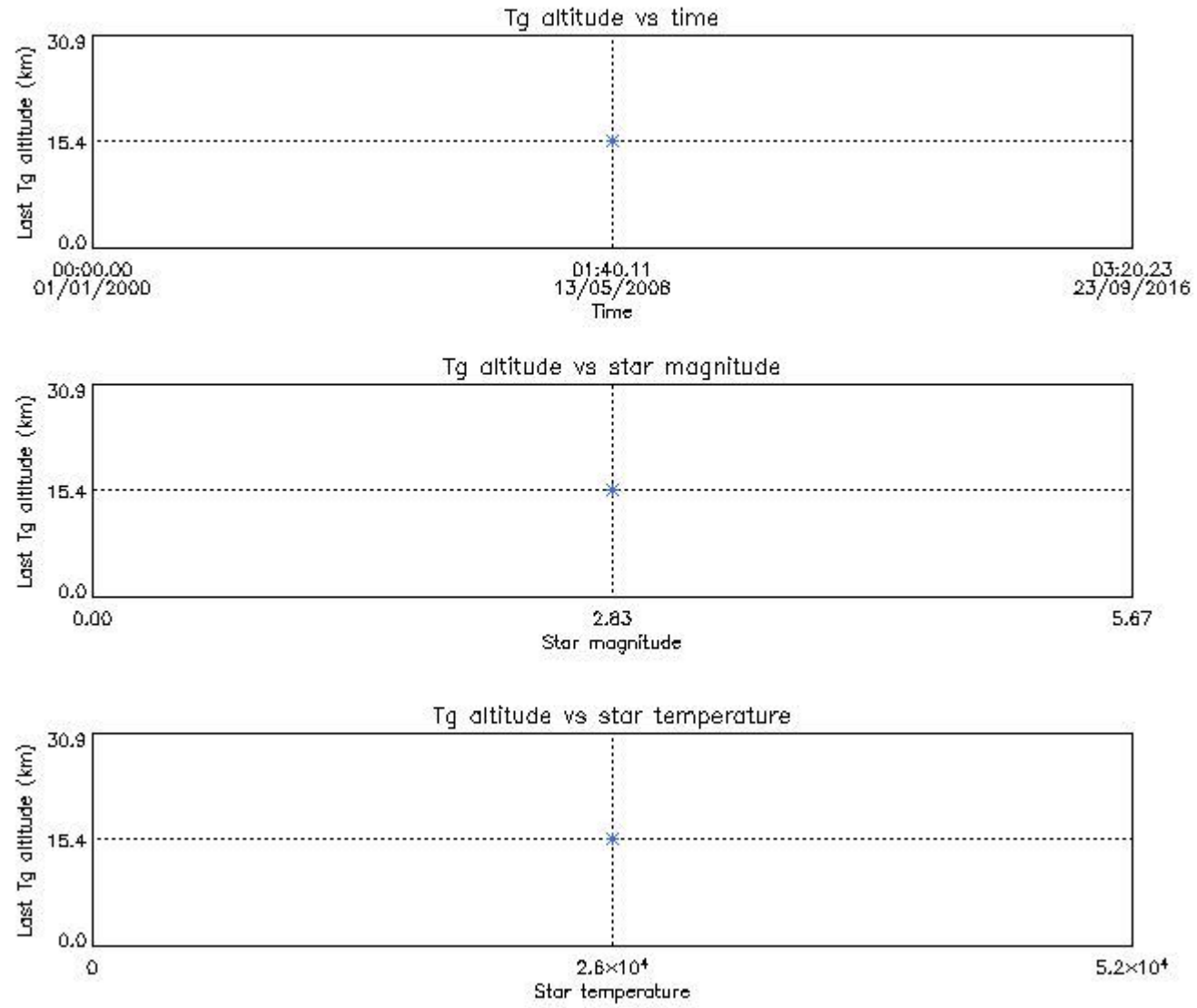
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

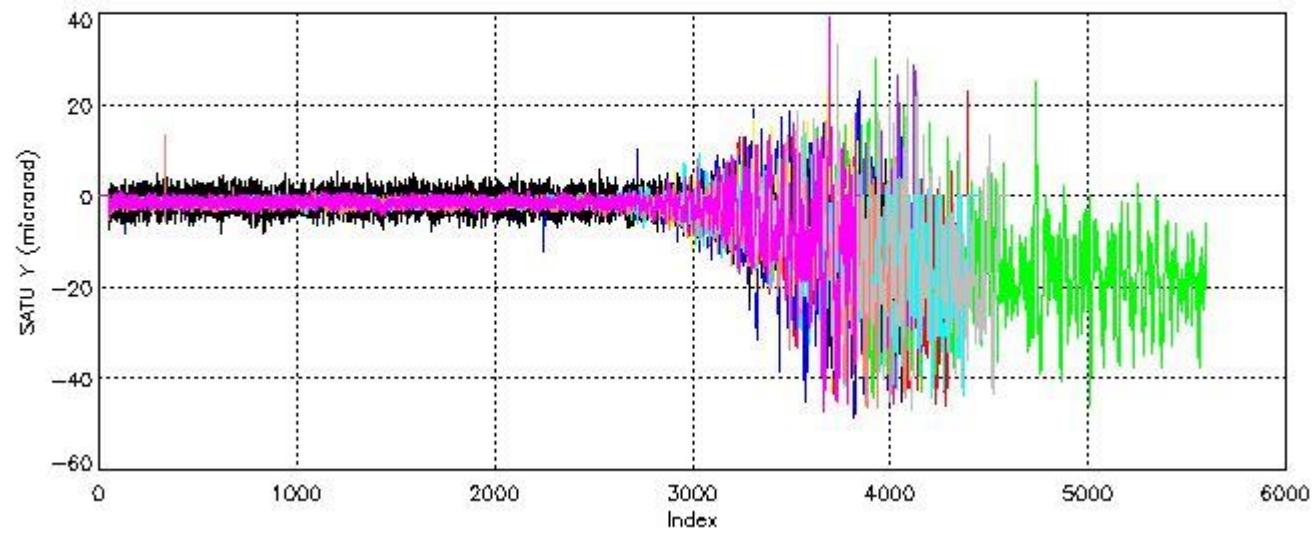
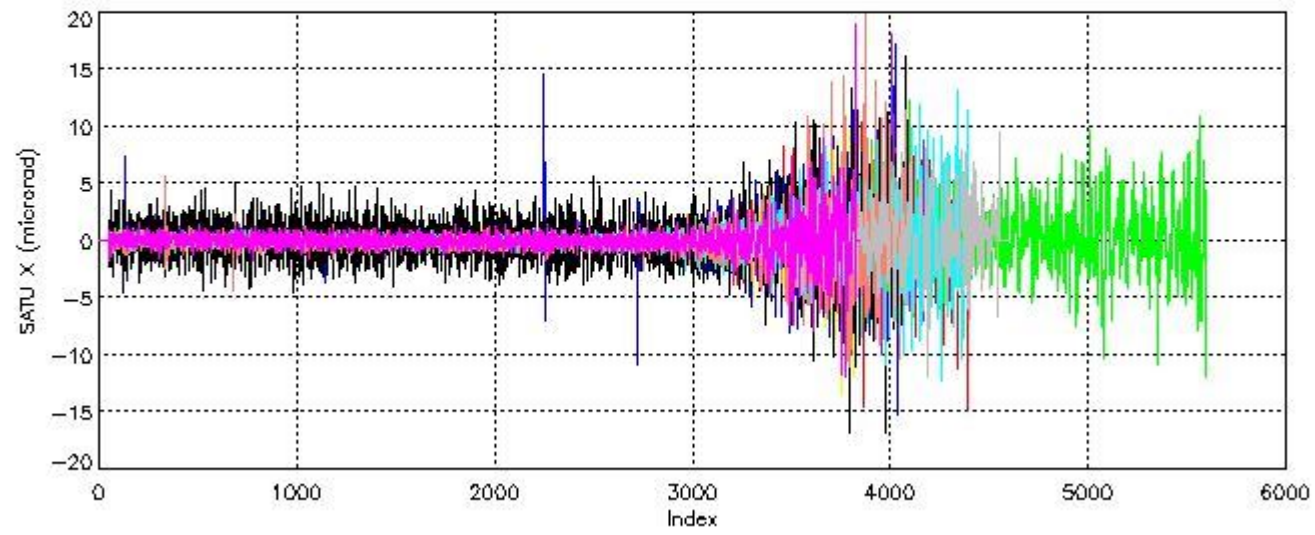


7. Star Acquisition and Tracking Unit (SATU)

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:	0.076708	-1.3997	0.0048518	-1.2905
St. deviation:	0.44052	0.90884	0.75375	1.2220
Maximum:	7.4000	13.200	5.3000	5.5000
Minimum:	-4.3000	-8.4000	-5.8000	-8.8000

Number of data:	9200.0	9200.0	21500.	21500.
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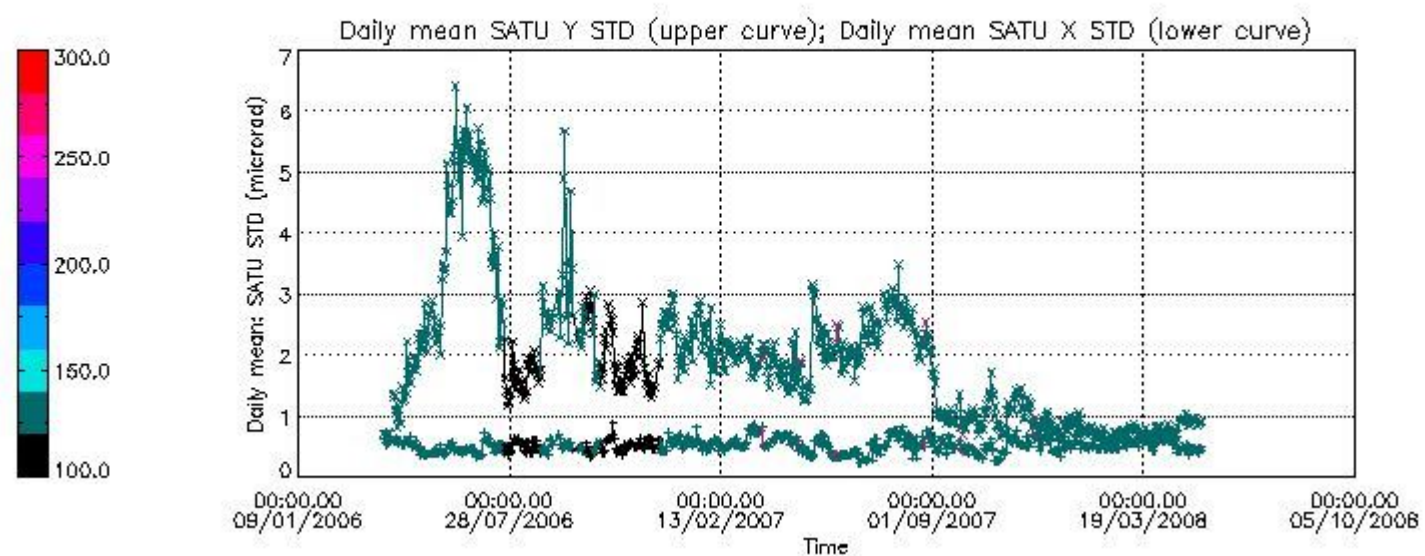
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

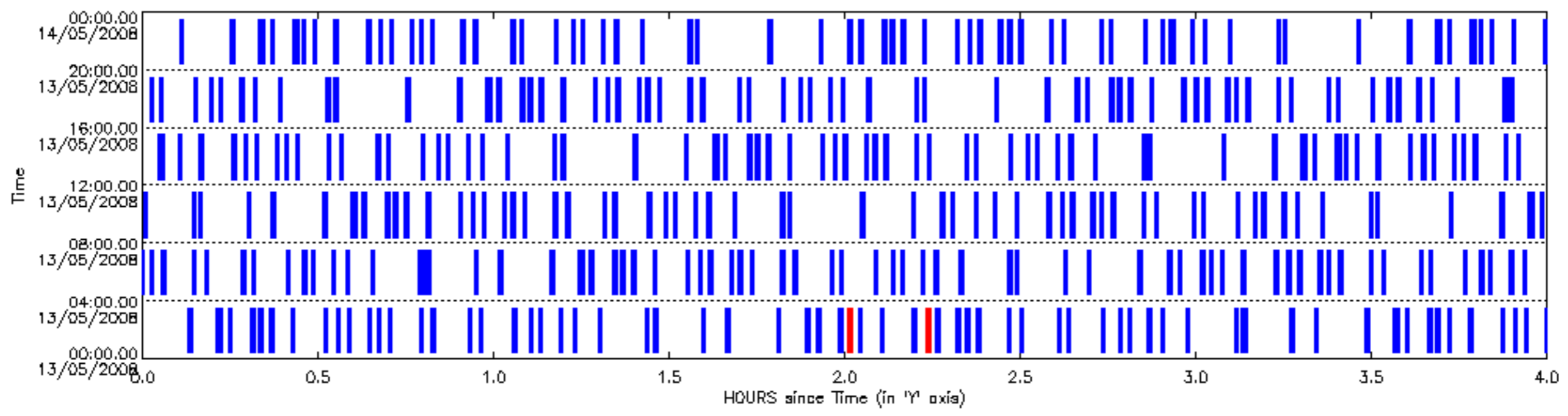
Lower curve: STD of SATU X axis

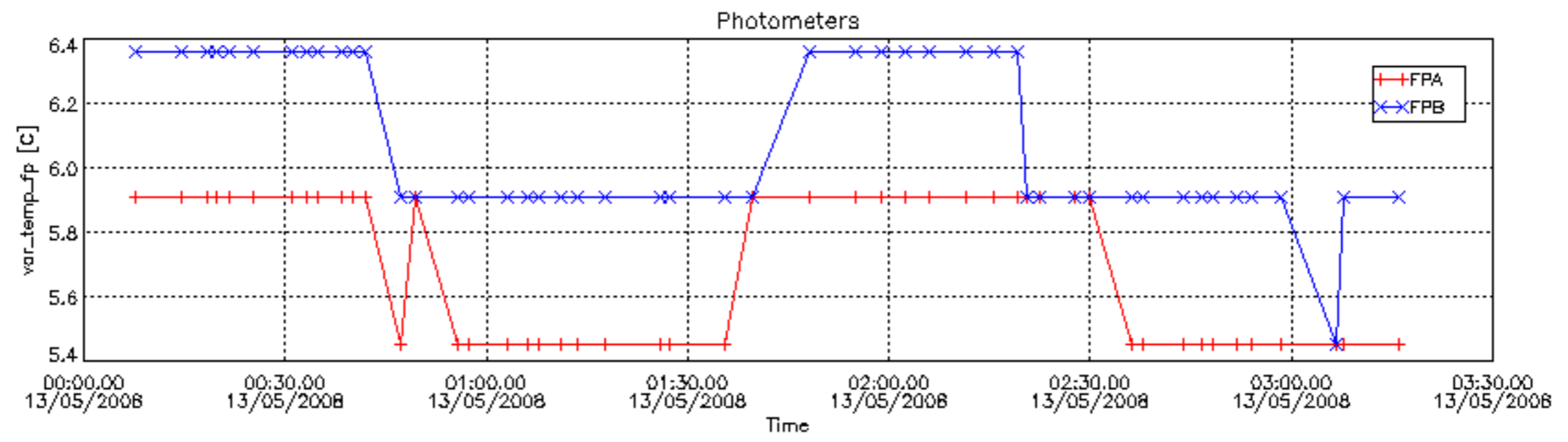
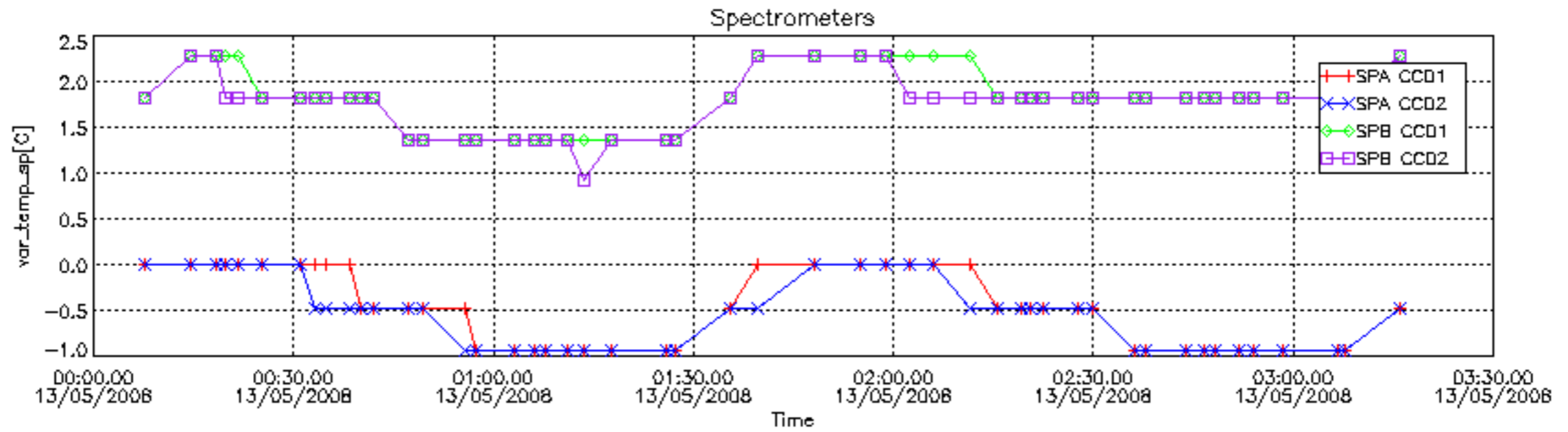


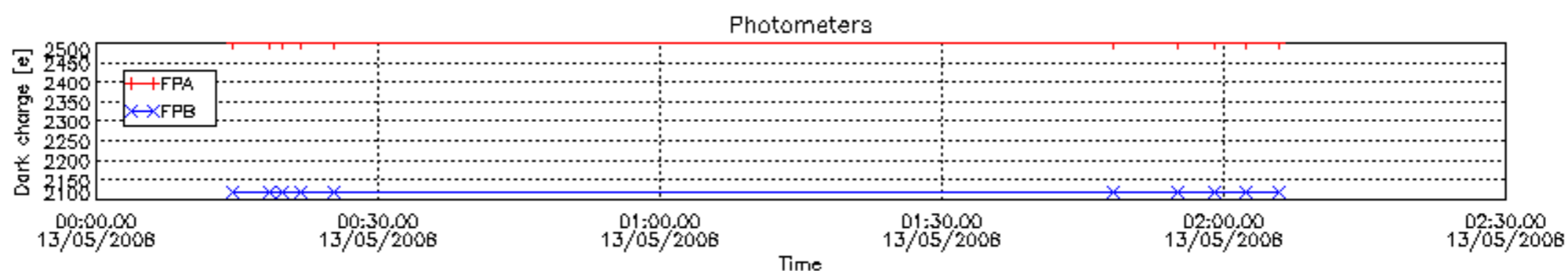
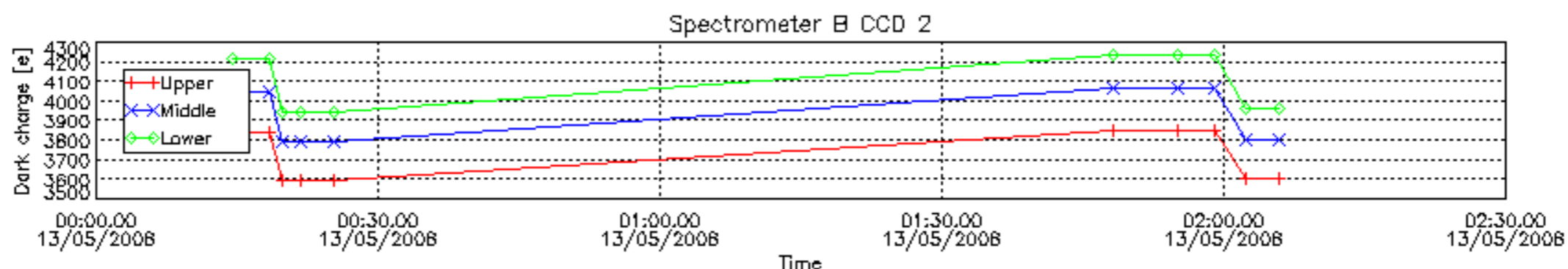
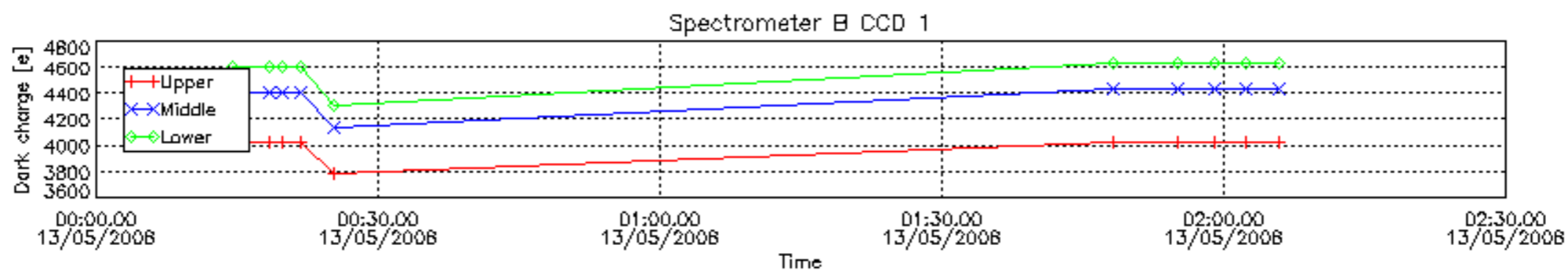
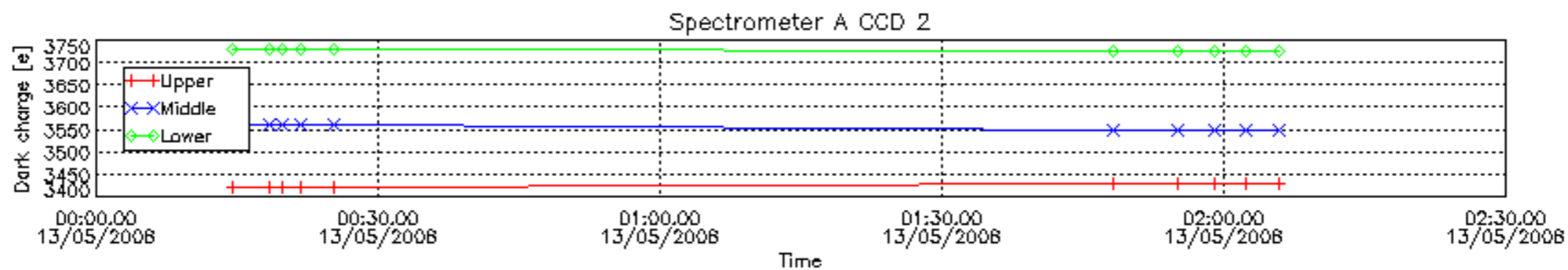
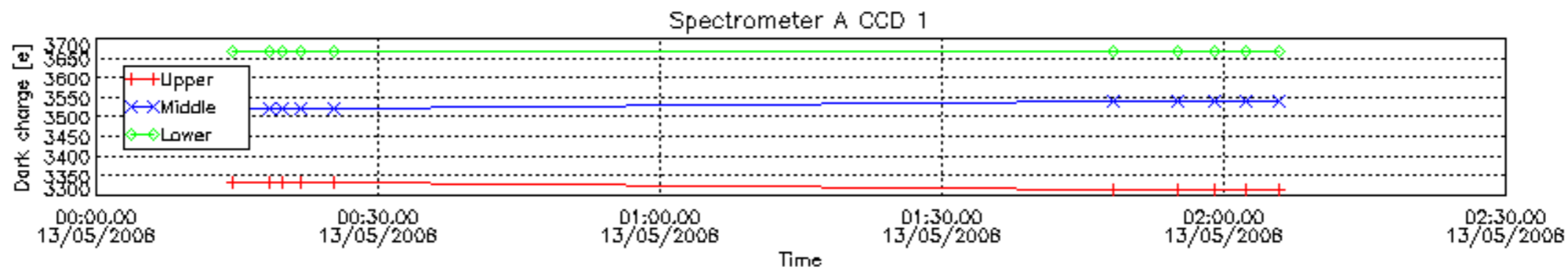
8. Auxiliary Data Files used for the production reported in section 2.4

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.

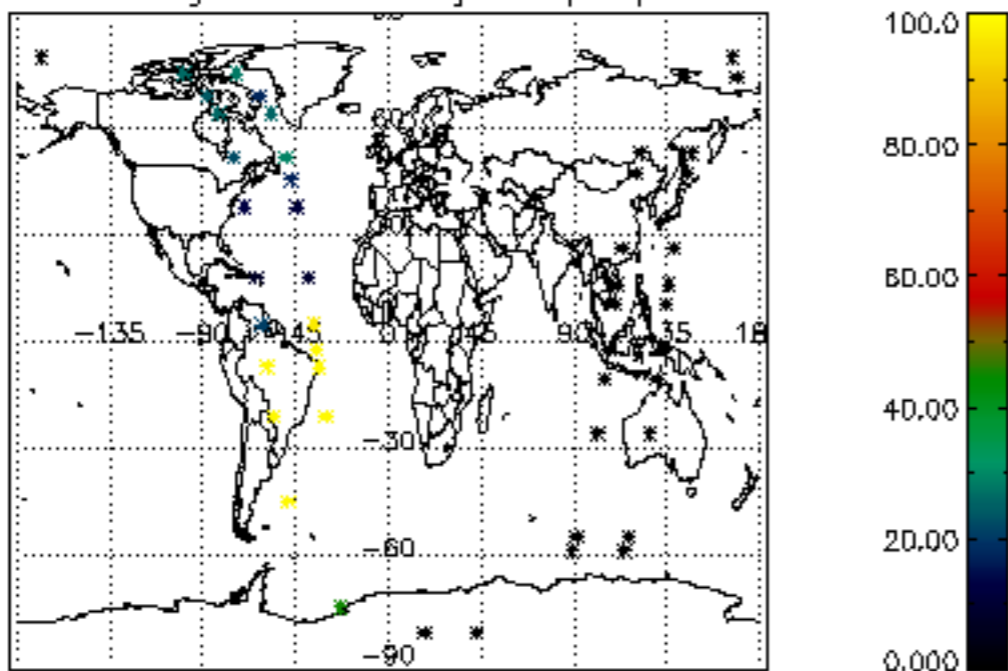
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	13-MAY-2008 00:07:41
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20080502_144908_20080430_000000_20100101_000000	1	13-MAY-2008 00:07:41
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	13-MAY-2008 00:07:41
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	13-MAY-2008 00:07:41
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	13-MAY-2008 00:07:41
ECMWF_FILE	AUX_ECF_AXNECM20080512_072113_20080512_210000_20080513_090000	1	13-MAY-2008 00:07:41
ECMWF_FILE	AUX_ECF_AXNECM20080512_190114_20080513_030000_20080513_150000	47	13-MAY-2008 03:06:33
OPTIONAL_ECMWF_FILE	MISSING	1	13-MAY-2008 00:07:41
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080512_222628_000057382068_00301_32419_5519.N1	1	13-MAY-2008 00:07:41
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080513_000725_000054192068_00302_32420_5520.N1	27	13-MAY-2008 01:48:17
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080513_014303_000044632068_00303_32421_5521.N1	47	13-MAY-2008 03:06:33



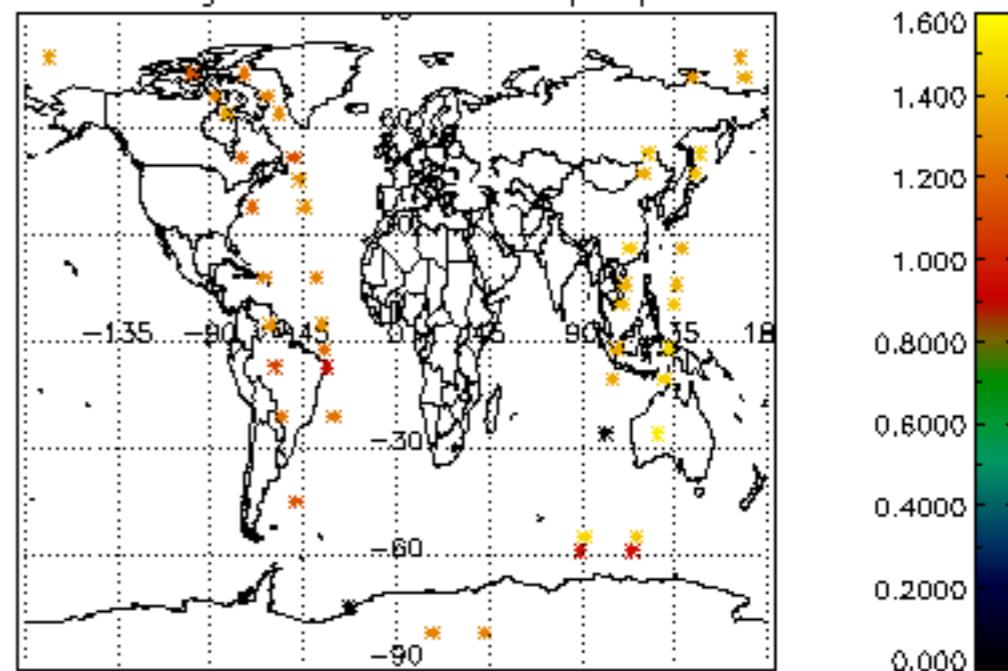




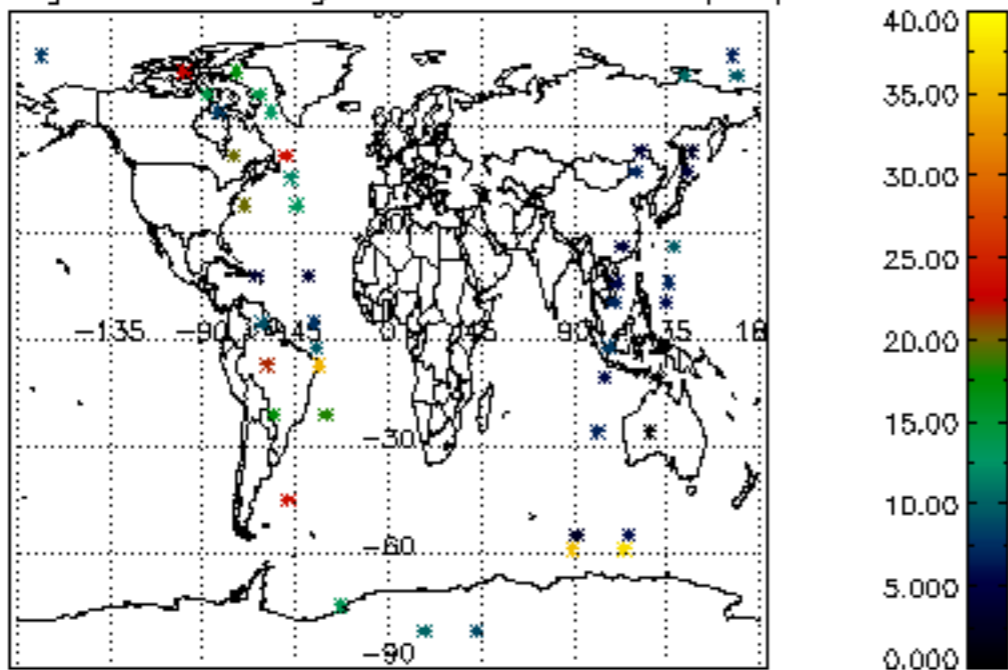
Percentage of cosmic ray hits per profile



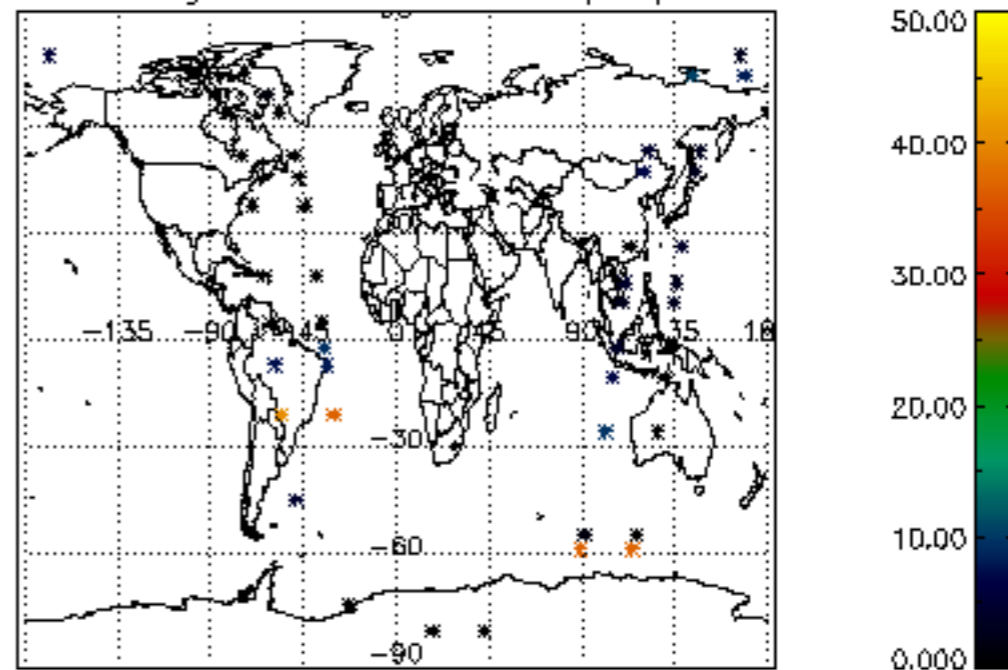
Percentage of datation errors per profile



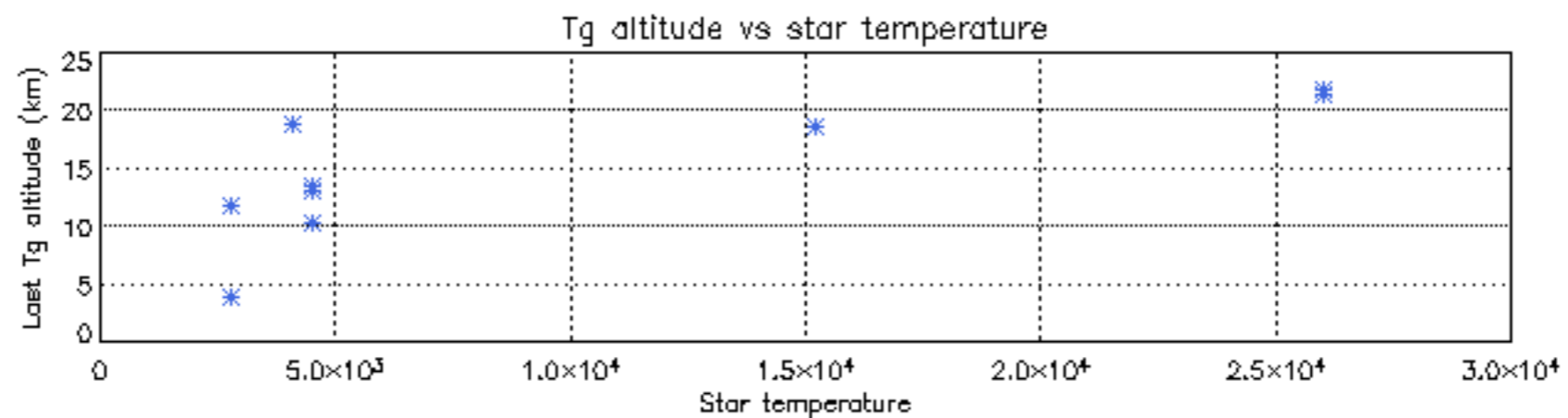
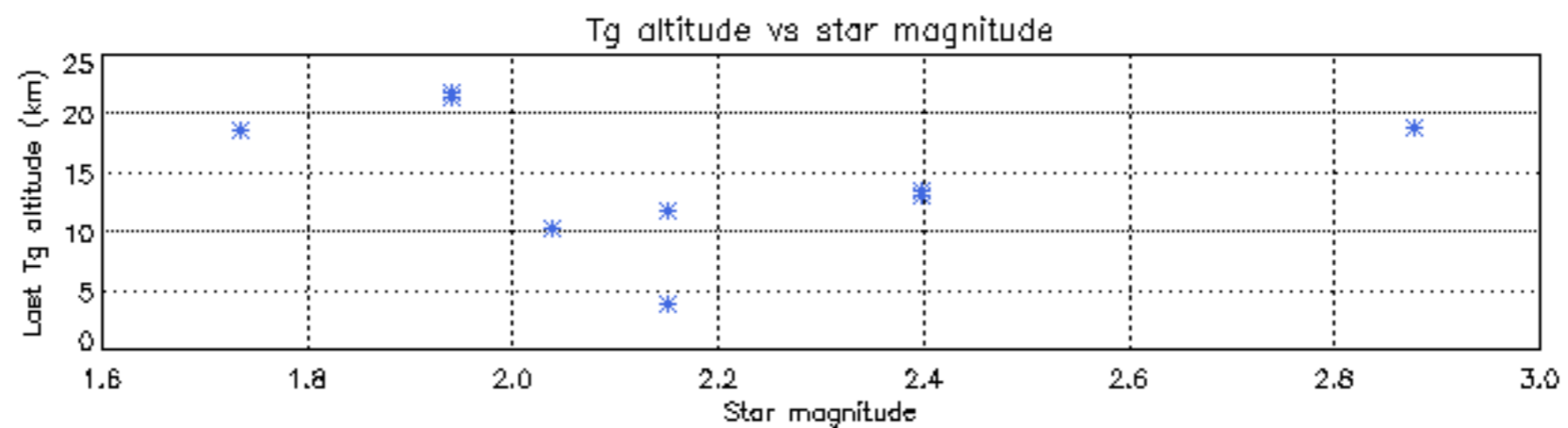
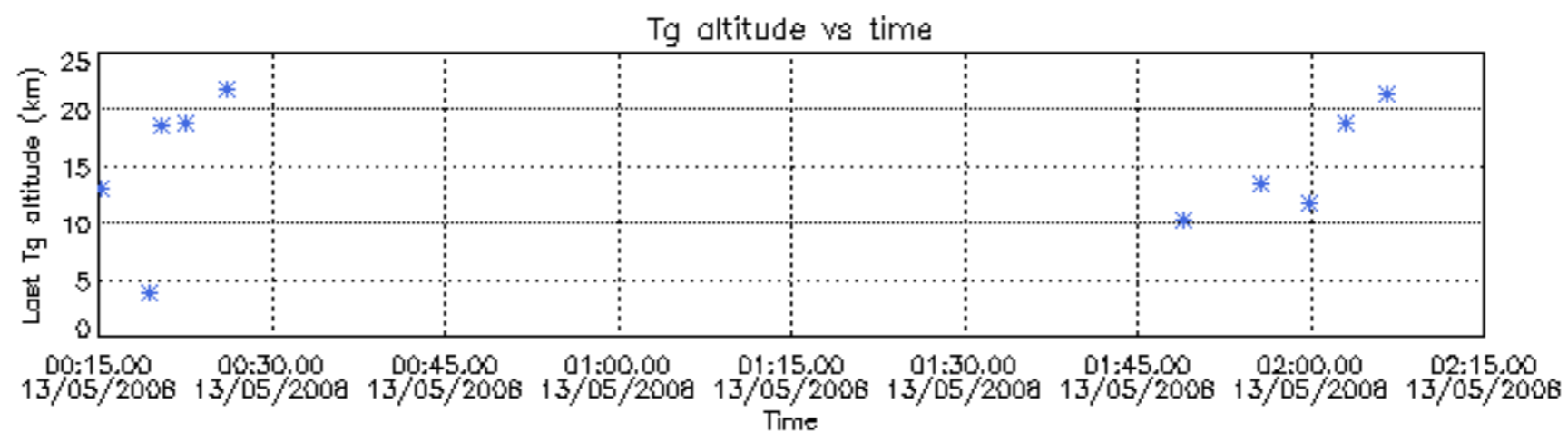
Percentage of star falling outside central band per profile



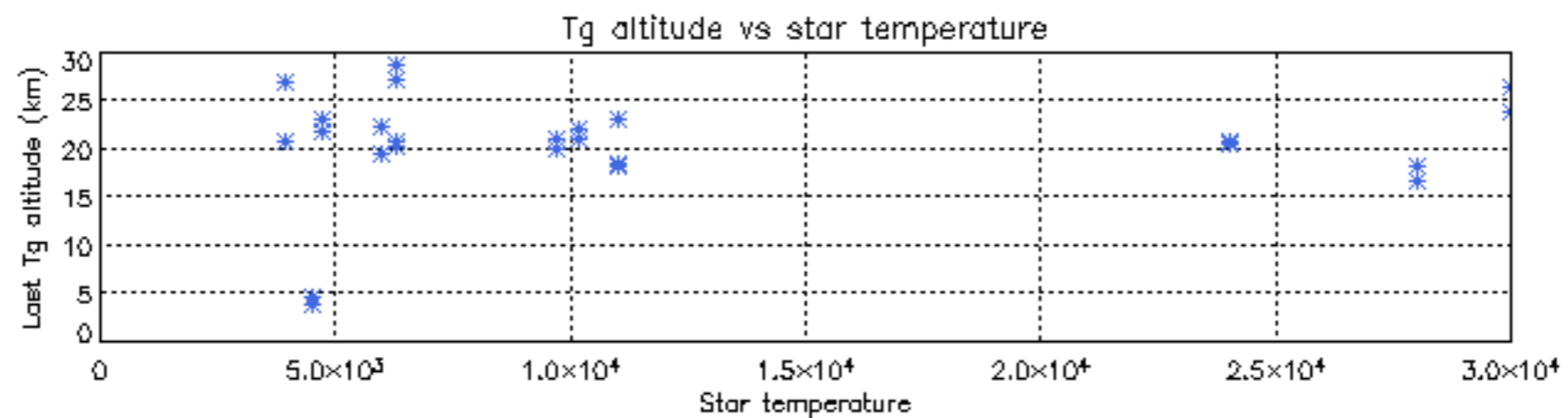
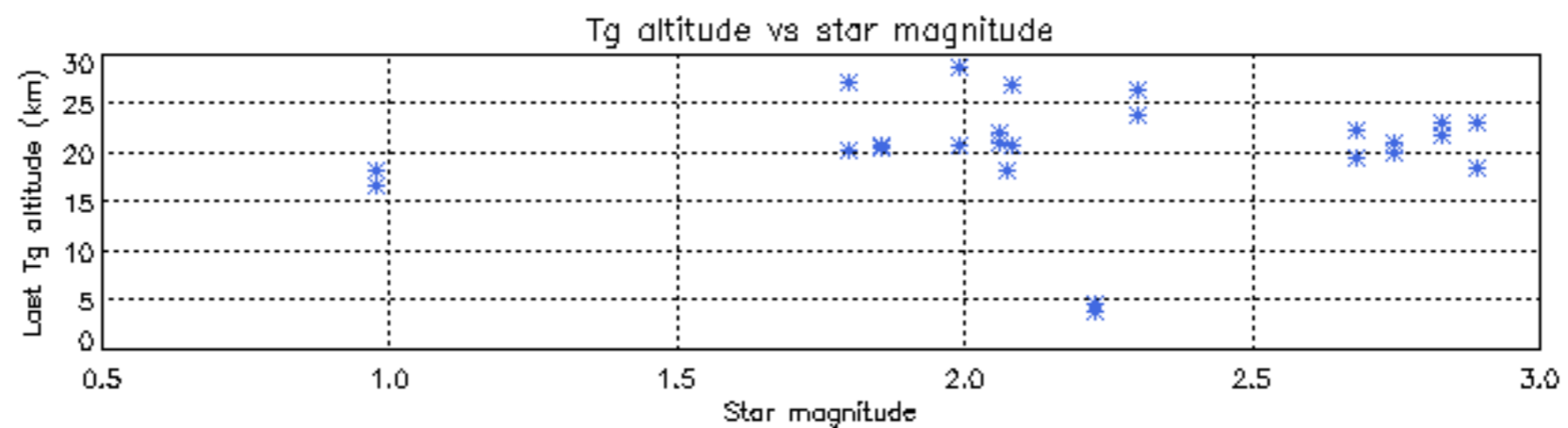
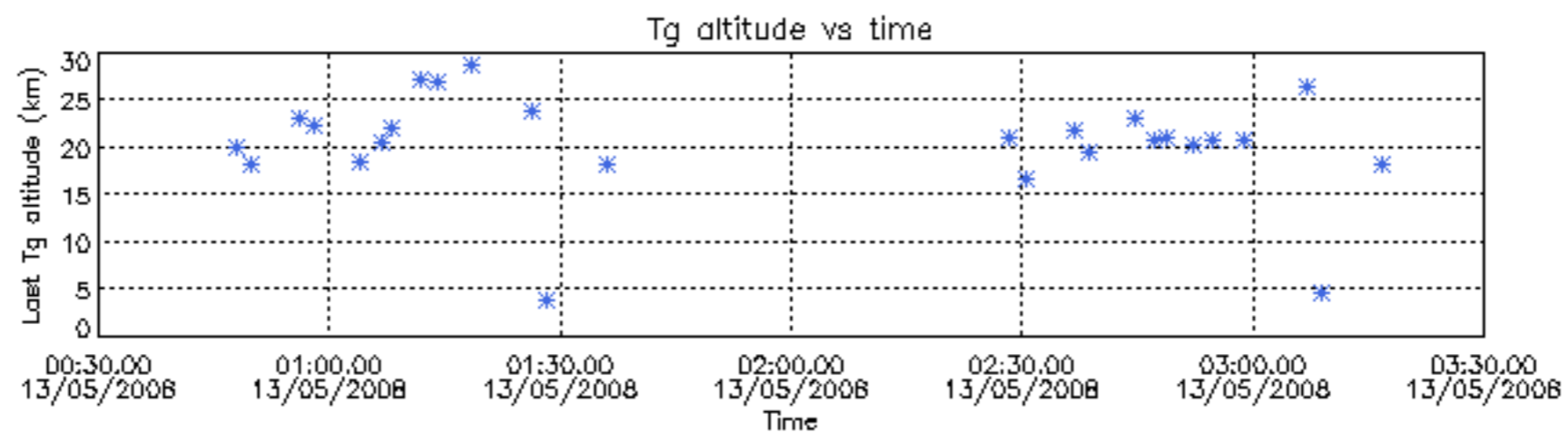
Percentage of saturation errors per profile



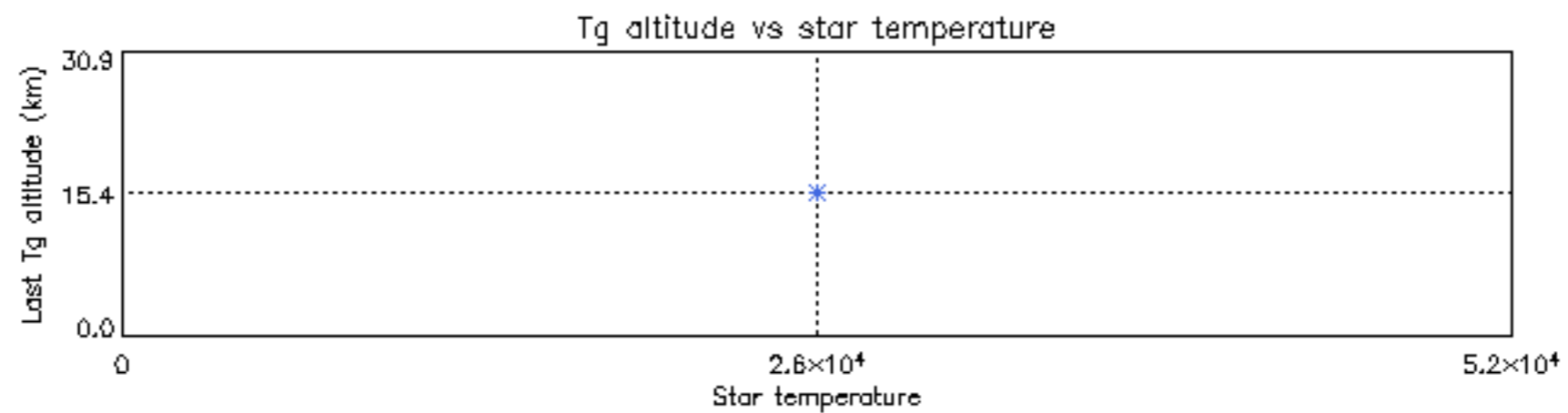
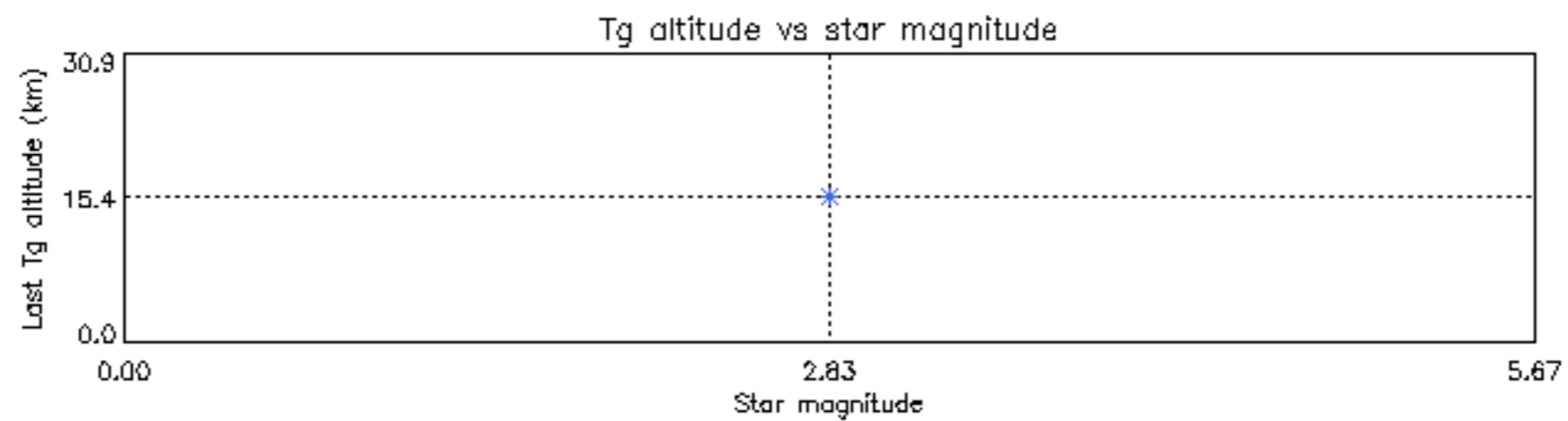
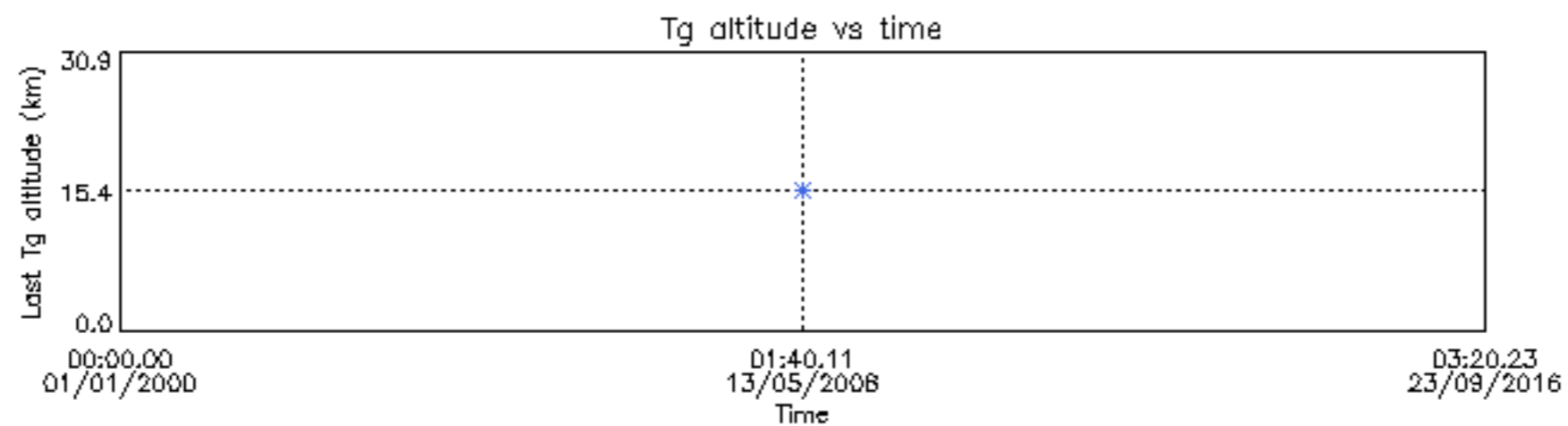
Tangent altitude at which the star is lost

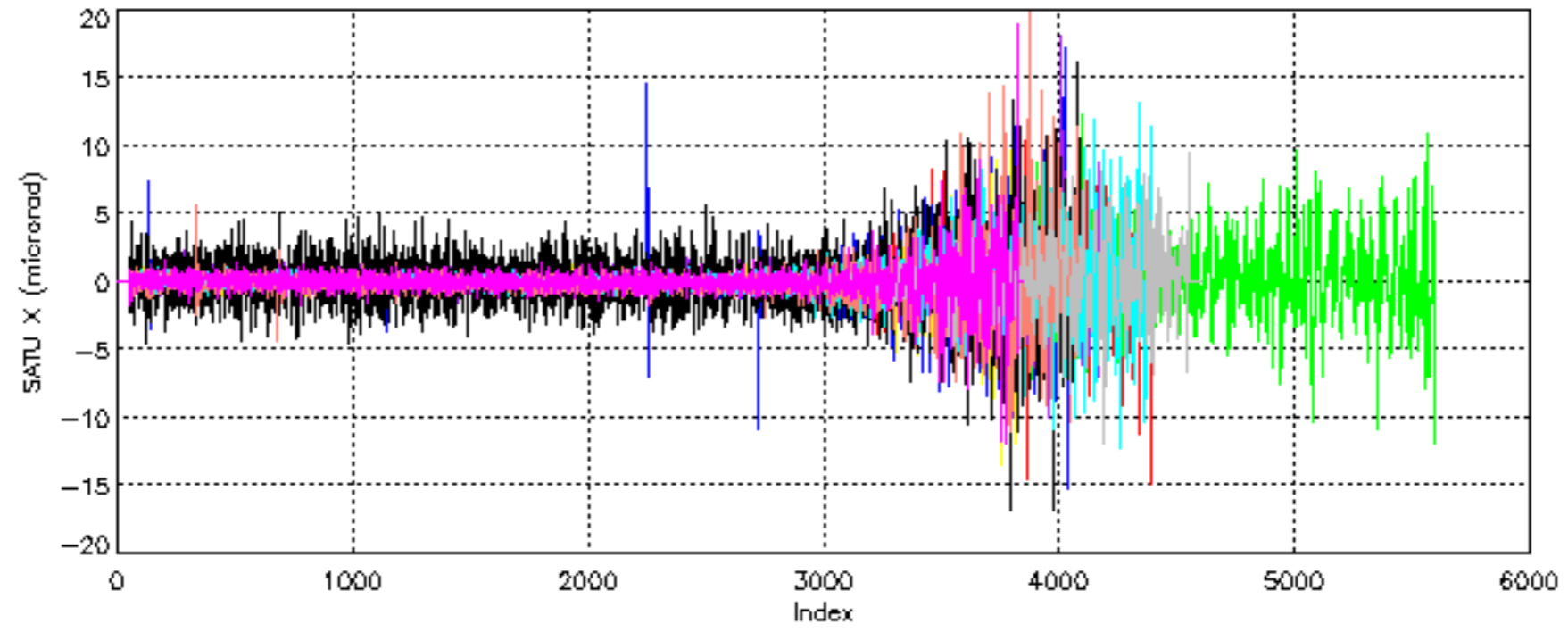


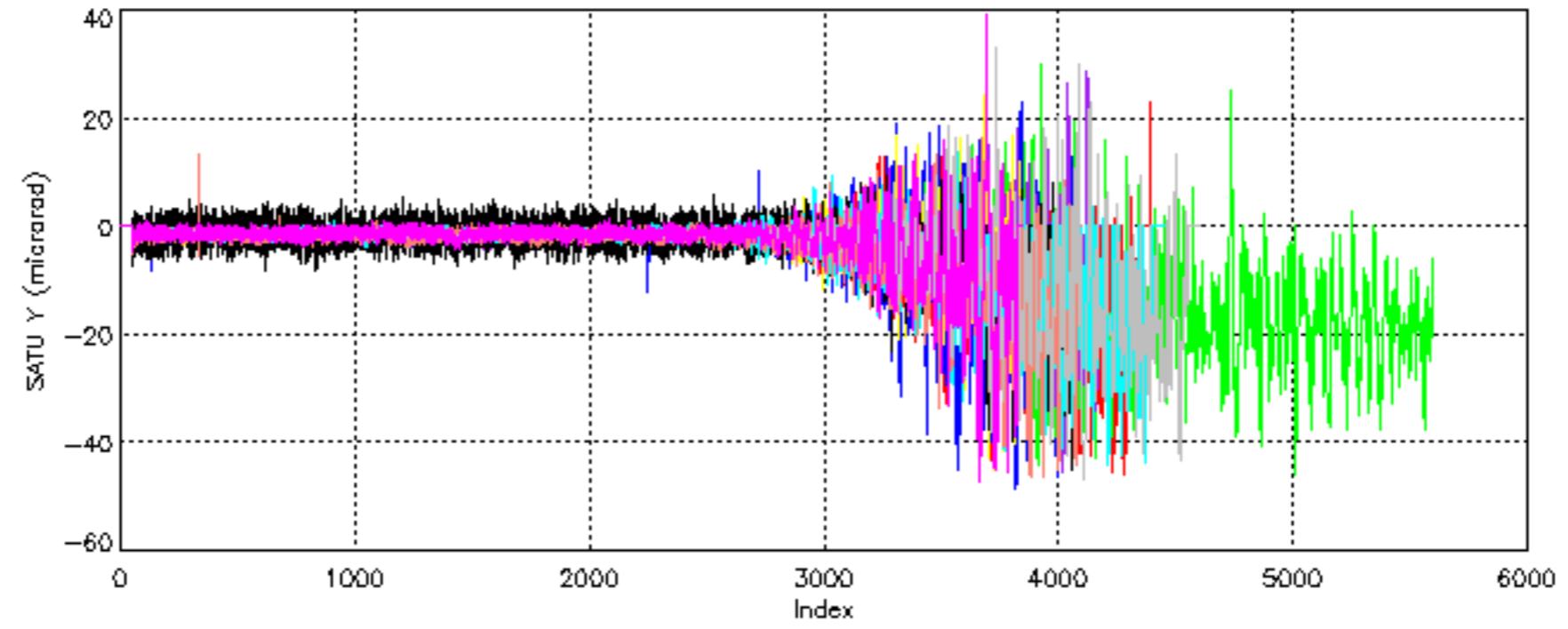
Tangent altitude at which the star is lost

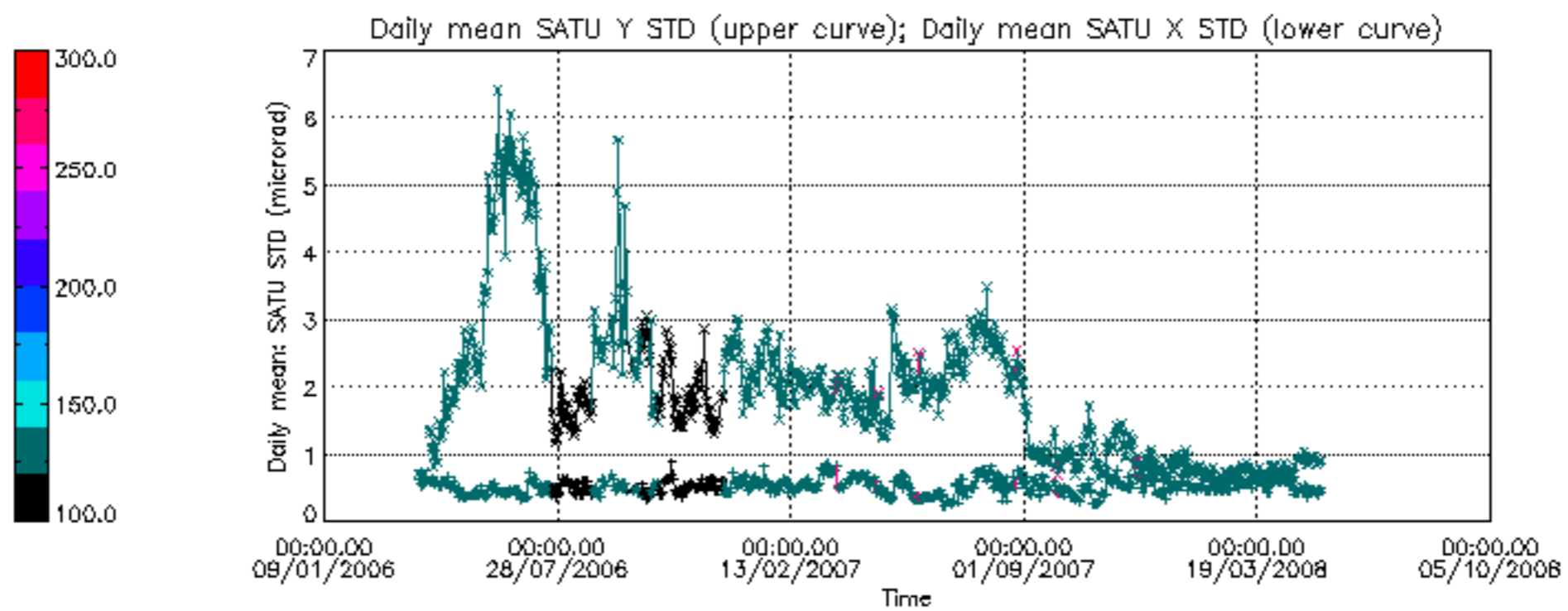


Tangent altitude at which the star is lost









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 2; -490.9; 01-MAY-2008 01:29:44; Dark ; 44.0; 18; 24Alp PsA ; 1.17; 9700;occ; 88; 0;32249
 3; -363.8; 01-MAY-2008 01:31:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32249
 4; -144.6; 01-MAY-2008 01:35:30; Dark ; 39.5; 31; Alp Gru ; 1.73; 15200;occ; 79; 0;32249
 5; 579.3; 01-MAY-2008 01:47:34; Dark ; 38.5; 43; Alp TrA ; 1.91; 4250;occ; 77; 0;32250
 6; 711.2; 01-MAY-2008 01:49:46; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;32250
 7; 834.0; 01-MAY-2008 01:51:49; Dark ; 44.0; 4; Alp1Cen ; -0.01; 5800;occ; 88; 0;32250
 8; 925.5; 01-MAY-2008 01:53:21; Dark ; 37.0; 20; Bet Cru ; 1.25; 30000;occ; 74; 0;32250
 9; 999.9; 01-MAY-2008 01:54:35; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;32250
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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
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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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 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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 17; 2096.4; 01-MAY-2008 05:34:03; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;32252
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 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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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
 7; 1515.7; 01-MAY-2008 20:29:46; Bright; 37.5; 169; 46Gam Hya ; 2.99; 4700;occ; 75; 0;32261
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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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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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 2; 1730.3; 09-MAY-2008 14:39:49; Bright; 38.0; 15; 67Alp Vir ; 0.98; 28000;occ; 76; 0;32372
 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
 13; 4500.7; 09-MAY-2008 15:26:00; Bright; 37.5; 58; 21Alp And ; 2.07; 11000;occ; 75; 0;32372
 14; 4740.8; 09-MAY-2008 15:30:00; Dark ; 39.5; 140; 88Gam Peg ; 2.83; 26000;occ; 79; 0;32372
 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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 2; 1284.5; 09-MAY-2008 16:13:00; Dark ; 40.5; 54; 5The Cen ; 2.06; 4500;occ; 81; 0;32373
 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
 11; 3195.6; 09-MAY-2008 16:44:51; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;32373
 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
14; 3935.0; 09-MAY-2008 18:37:46; Bright; 33.0; 76; 27Gam Cas ; 2.30; 30000;occ; 66; 0;32374
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16; 4500.8; 09-MAY-2008 18:47:12; Bright; 52.5; 58; 21Alp And ; 2.07; 11000;occ; 105; 0;32374
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18; 5265.4; 09-MAY-2008 18:59:57; Dark ; 42.5; 52; 16Bet Cet ; 2.04; 4500;occ; 85; 0;32374
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
26; 6789.6; 09-MAY-2008 19:25:21; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 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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5; 1730.7; 09-MAY-2008 19:41:38; Bright; 37.5; 15; 67Alp Vir ; 0.98; 28000;occ; 75; 0;32375
6; 2111.6; 09-MAY-2008 19:47:59; Bright; 34.5; 138; 47Eps Vir ; 2.83; 4700;occ; 69; 0;32375
7; 2221.3; 09-MAY-2008 19:49:49; Bright; 35.5; 111; 8Eta Boo ; 2.68; 6000;occ; 71; 0;32375
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
15; 4009.7; 09-MAY-2008 20:19:37; Bright; 34.5; 68; 18Alp Cas ; 2.22; 4500;occ; 69; 0;32375
16; 4501.0; 09-MAY-2008 20:27:48; Bright; 50.0; 58; 21Alp And ; 2.07; 11000;occ; 100; 0;32375
17; 4741.1; 09-MAY-2008 20:31:48; Dark ; 40.0; 140; 88Gam Peg ; 2.83; 26000;occ; 80; 0;32375
18; 5265.3; 09-MAY-2008 20:40:33; Dark ; 43.0; 52; 16Bet Cet ; 2.04; 4500;occ; 86; 0;32375
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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2; -416.0; 10-MAY-2008 00:07:39; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;32377
3; -270.8; 10-MAY-2008 00:10:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32377
4; -144.0; 10-MAY-2008 00:12:11; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;32377
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
10; 864.6; 10-MAY-2008 00:28:59; Dark ; 50.0; 4; Alp1Cen ; -0.01; 5800;occ; 100; 0;32378
11; 1075.9; 10-MAY-2008 00:32:31; Dark ; 38.5; 78; Alp Lup ; 2.30; 28000;occ; 77; 0;32378
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
21; 3033.0; 10-MAY-2008 01:05:08; Bright; 34.5; 36; 50Alp UMa ; 1.80; 6300;occ; 69; 0;32378
22; 3194.6; 10-MAY-2008 01:07:49; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;32378
23; 3445.7; 10-MAY-2008 01:12:01; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32378
24; 3935.1; 10-MAY-2008 01:20:10; Bright; 52.0; 76; 27Gam Cas ; 2.30; 30000;occ; 104; 0;32378
25; 4009.7; 10-MAY-2008 01:21:25; Bright; 33.0; 68; 18Alp Cas ; 2.22; 4500;occ; 66; 0;32378
26; 4501.6; 10-MAY-2008 01:29:36; Bright; 37.5; 58; 21Alp And ; 2.07; 11000;occ; 75; 0;32378
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4; -143.4; 10-MAY-2008 01:52:47; Dark ; 45.5; 63; Bet Gru ; 2.15; 2800;occ; 91; 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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7; 1167.6; 10-MAY-2008 03:55:14; Dark ; 39.0; 81; Eta Cen ; 2.36; 28000;occ; 78; 0;32380
8; 1285.9; 10-MAY-2008 03:57:13; Dark ; 43.5; 54; 5The Cen ; 2.06; 4500;occ; 87; 0;32380
9; 1535.9; 10-MAY-2008 04:01:23; Bright; 37.5; 169; 46Gam Hya ; 2.99; 4700;occ; 75; 0;32380
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12; 2221.3; 10-MAY-2008 04:12:48; Bright; 35.5; 111; 8Eta Boo ; 2.68; 6000;occ; 71; 0;32380
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6; 68.3; 10-MAY-2008 22:03:30; Dark ; 44.0; 148; Alp Tuc ; 2.88; 4100;occ; 88; 0;32391
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6; 2747.9; 11-MAY-2008 13:53:33; Bright; 36.5; 39; 85Eta UMA ; 1.85; 24000;occ; 73; 0;32400
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22; 6109.7; 11-MAY-2008 18:10:47; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;32402
23; 6323.9; 11-MAY-2008 18:14:21; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32402
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3; 2221.3; 12-MAY-2008 11:32:34; Bright; 35.0; 111; 8Eta Boo ; 2.68; 6000;occ; 70; 0;32413
4; 2572.6; 12-MAY-2008 11:38:25; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;32413
5; 2747.0; 12-MAY-2008 11:41:19; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;32413
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7; 3044.6; 12-MAY-2008 11:46:17; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;32413
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14; 5567.9; 12-MAY-2008 12:28:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32413
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 22; 6814.8; 15-MAY-2008 19:37:16; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32460
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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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13; 1038.7; 17-MAY-2008 06:54:10; Dark ; 28.0; 25; 35Lam Sco ; 1.62; 28000;occ; 56; 0;32482
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4; 2567.9; 17-MAY-2008 09:00:16; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;32483
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 23; 6150.4; 17-MAY-2008 18:22:58; Dark ; 38.5; 148; Alp Tuc ; 2.88; 4100;occ; 77; 0;32488
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 22; 5812.4; 17-MAY-2008 19:57:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32489
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 6; 2746.3; 19-MAY-2008 08:00:00; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;32511
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10; 3938.1; 19-MAY-2008 08:19:52; Bright; 44.0; 76; 27Gam Cas ; 2.30; 30000;occ; 88; 0;32511
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16; 5823.0; 19-MAY-2008 08:51:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32511
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11; 4011.1; 19-MAY-2008 10:01:41; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;32512
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 5; 2374.7; 19-MAY-2008 12:55:36; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;32514
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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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 19; 2746.6; 20-MAY-2008 02:26:36; Bright; 49.5; 39; 85Eta UMa ; 1.85; 24000;occ; 99; 0;32522
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 12; 951.7; 20-MAY-2008 03:37:17; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;32523
 13; 1063.2; 20-MAY-2008 03:39:08; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;32523
 14; 1192.6; 20-MAY-2008 03:41:17; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;32523
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 17; 1625.0; 20-MAY-2008 03:48:30; Bright; 36.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 73; 0;32523
 18; 1731.3; 20-MAY-2008 03:50:16; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;32523
 19; 2032.5; 20-MAY-2008 03:55:17; Bright; 41.0; 102; 24Alp Ser ; 2.60; 4250;occ; 82; 0;32523
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 22; 2563.1; 20-MAY-2008 04:04:08; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;32523
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23; 2746.9; 20-MAY-2008 05:47:48; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;32524
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 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; -1240.9; 22-MAY-2008 06:59:18; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;32553
 5; -712.9; 22-MAY-2008 07:08:06; Dark ; 47.5; 52; 16Bet Cet ; 2.04; 4500;occ; 95; 0;32553
 6; -191.4; 22-MAY-2008 07:16:47; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32553
 7; -29.7; 22-MAY-2008 07:19:29; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;32553
 8; 57.0; 22-MAY-2008 07:20:56; Dark ; 50.0; 172; Gam Gru ; 3.00; 13100;occ; 100; 0;32554
 9; 147.6; 22-MAY-2008 07:22:26; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;32554
10; 394.3; 22-MAY-2008 07:26:33; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;32554
11; 804.3; 22-MAY-2008 07:33:23; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;32554
12; 969.3; 22-MAY-2008 07:36:08; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;32554
13; 1080.3; 22-MAY-2008 07:37:59; Dark ; 50.5; 25; 35Lam Sco ; 1.62; 28000;occ; 101; 0;32554
14; 1204.9; 22-MAY-2008 07:40:04; Dark ; 45.0; 75; 26Eps Sco ; 2.29; 4250;occ; 90; 0;32554
15; 1377.9; 22-MAY-2008 07:42:57; Dark ; 54.5; 16; 21Alp Sco ; 1.02; 3000;occ; 109; 0;32554
16; 1523.1; 22-MAY-2008 07:45:22; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;32554
17; 1629.2; 22-MAY-2008 07:47:08; Bright; 36.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 73; 0;32554
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 2; 1842.0; 22-MAY-2008 07:50:41; Bright; 44.0; 120; 1Del Oph ; 2.73; 3200;occ; 88; 0;32554
 3; 2027.1; 22-MAY-2008 07:53:46; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;32554
 4; 2237.3; 22-MAY-2008 07:57:16; Bright; 35.5; 3; 16Alp Boo ; -0.05; 4250;occ; 71; 0;32554
 5; 2371.2; 22-MAY-2008 07:59:30; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32554
 6; 2561.1; 22-MAY-2008 08:02:40; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;32554
 7; 3051.1; 22-MAY-2008 08:10:50; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32554
 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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 16; 6006.9; 22-MAY-2008 09:00:06; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;32554
 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
 27; 7769.5; 22-MAY-2008 09:29:28; Bright; 27.5; 104; 27Bet Lib ; 2.61; 13100;occ; 55; 0;32554

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 3; 2026.8; 22-MAY-2008 09:34:21; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;32555
 4; 2237.3; 22-MAY-2008 09:37:52; Bright; 37.0; 3; 16Alp Boo ; -0.05; 4250;occ; 74; 0;32555
 5; 2371.2; 22-MAY-2008 09:40:06; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32555
 6; 2561.0; 22-MAY-2008 09:43:16; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;32555
 7; 3050.8; 22-MAY-2008 09:51:25; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32555
 8; 3173.5; 22-MAY-2008 09:53:28; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32555
 9; 3446.7; 22-MAY-2008 09:58:01; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;32555
 10; 3937.4; 22-MAY-2008 10:06:12; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;32555
 11; 4009.8; 22-MAY-2008 10:07:24; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;32555
 12; 4531.1; 22-MAY-2008 10:16:06; Dark ; 45.5; 58; 21Alp And ; 2.07; 11000;occ; 91; 0;32555
 13; 4795.8; 22-MAY-2008 10:20:30; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;32555
 14; 5323.8; 22-MAY-2008 10:29:19; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;32555
 15; 5845.6; 22-MAY-2008 10:38:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32555
 16; 6007.6; 22-MAY-2008 10:40:42; Dark ; 48.0; 63; Bet Gru ; 2.15; 2800;occ; 96; 0;32555
 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
 20; 6841.1; 22-MAY-2008 10:54:36; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;32555
 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
 26; 7665.3; 22-MAY-2008 11:08:20; Bright; 35.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 71; 0;32555

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 2; 1841.8; 22-MAY-2008 11:11:52; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;32556
 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
 14; 5324.2; 22-MAY-2008 12:09:55; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;32556
 15; 5846.1; 22-MAY-2008 12:18:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32556
 16; 6008.4; 22-MAY-2008 12:21:19; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;32556
 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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 2; 1084.6; 22-MAY-2008 21:02:51; Dark ; 52.5; 25; 35Lam Sco ; 1.62; 28000;occ; 105; 0;32562
 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
 9; 2025.7; 22-MAY-2008 21:18:32; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;32562
 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
 12; 3048.0; 22-MAY-2008 21:35:34; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32562
 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
 18; 4798.3; 22-MAY-2008 22:04:45; Dark ; 42.5; 140; 88Gam Peg ; 2.83; 26000;occ; 85; 0;32562

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 3; -23.2; 22-MAY-2008 22:24:59; Dark ; 57.5; 63; Bet Gru ; 2.15; 2800;occ; 115; 0;32562
 4; 67.5; 22-MAY-2008 22:26:30; Dark ; 31.0; 172; Gam Gru ; 3.00; 13100;occ; 62; 0;32563
 5; 152.2; 22-MAY-2008 22:27:54; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;32563
 6; 400.5; 22-MAY-2008 22:32:03; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32563
 7; 808.2; 22-MAY-2008 22:38:50; Dark ; 39.0; 141; Bet Ara ; 2.84; 4600;occ; 78; 0;32563
 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
 14; 1734.2; 22-MAY-2008 22:54:16; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;32563
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 16; 2025.6; 22-MAY-2008 22:59:08; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32563
 17; 2370.6; 22-MAY-2008 23:04:53; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;32563
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 19; 3047.5; 22-MAY-2008 23:16:10; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32563
 20; 3172.8; 22-MAY-2008 23:18:15; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;32563
 21; 3446.7; 22-MAY-2008 23:22:49; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32563
 22; 3937.1; 22-MAY-2008 23:30:59; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;32563
 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
 26; 5327.2; 22-MAY-2008 23:54:09; Dark ; 9.5; 52; 16Bet Cet ; 2.04; 4500;occ; 19; 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
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 9; 1085.5; 23-MAY-2008 00:24:03; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;32564
 10; 1208.6; 23-MAY-2008 00:26:07; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;32564
 11; 1380.4; 23-MAY-2008 00:28:58; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32564
 12; 1524.5; 23-MAY-2008 00:31:22; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;32564
 13; 1630.6; 23-MAY-2008 00:33:09; Bright; 35.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 70; 0;32564
 14; 1734.4; 23-MAY-2008 00:34:52; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32564
 15; 1840.8; 23-MAY-2008 00:36:39; Bright; 44.0; 120; 1Del Oph ; 2.73; 3200;occ; 88; 0;32564
 16; 2025.4; 23-MAY-2008 00:39:43; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32564
 17; 2370.5; 23-MAY-2008 00:45:28; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;32564
 18; 2560.4; 23-MAY-2008 00:48:38; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;32564
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 20; 3172.7; 23-MAY-2008 00:58:51; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32564
 21; 3446.7; 23-MAY-2008 01:03:25; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;32564
 22; 3937.1; 23-MAY-2008 01:11:35; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;32564

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23; 4009.2; 23-MAY-2008 01:12:47; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;32564
24; 4380.7; 23-MAY-2008 01:18:59; Bright; 37.0; 53; 43Bet And ; 2.05; 3300;occ; 74; 0;32564
25; 4532.6; 23-MAY-2008 01:21:31; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;32564
26; 4798.9; 23-MAY-2008 01:25:57; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;32564
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 2; 1733.7; 22-MAY-2008 12:50:40; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;32557
 3; 1841.7; 22-MAY-2008 12:52:28; Bright; 44.0; 120; 1Del Oph ; 2.73; 3200;occ; 88; 0;32557
 4; 2026.5; 22-MAY-2008 12:55:33; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32557
 5; 2237.5; 22-MAY-2008 12:59:04; Bright; 34.5; 3; 16Alp Boo ; -0.05; 4250;occ; 69; 0;32557
 6; 2371.0; 22-MAY-2008 13:01:17; Bright; 34.5; 83; ; 2.38; 11000;occ; 69; 0;32557
 7; 2560.9; 22-MAY-2008 13:04:27; Bright; 33.5; 180; 27Gam Boo ; 3.04; 8000;occ; 67; 0;32557
 8; 3050.0; 22-MAY-2008 13:12:36; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32557
 9; 3173.3; 22-MAY-2008 13:14:40; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32557
10; 3446.8; 22-MAY-2008 13:19:13; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;32557
11; 3937.5; 22-MAY-2008 13:27:24; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;32557
12; 4009.7; 22-MAY-2008 13:28:36; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;32557
13; 4531.4; 22-MAY-2008 13:37:18; Dark ; 43.0; 58; 21Alp And ; 2.07; 11000;occ; 86; 0;32557
14; 4796.5; 22-MAY-2008 13:41:43; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;32557
15; 5324.7; 22-MAY-2008 13:50:31; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;32557
16; 5846.7; 22-MAY-2008 13:59:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32557
17; 6009.2; 22-MAY-2008 14:01:56; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;32557
18; 6097.6; 22-MAY-2008 14:03:24; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;32557
19; 6185.6; 22-MAY-2008 14:04:52; Dark ; 40.0; 148; Alp Tuc ; 2.88; 4100;occ; 80; 0;32557
20; 6433.0; 22-MAY-2008 14:08:59; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;32557
21; 6842.0; 22-MAY-2008 14:15:48; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;32557
22; 7007.5; 22-MAY-2008 14:18:34; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;32557
23; 7118.3; 22-MAY-2008 14:20:25; Dark ; 47.0; 25; 35Lam Sco ; 1.62; 28000;occ; 94; 0;32557
24; 7242.3; 22-MAY-2008 14:22:29; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;32557
25; 7414.9; 22-MAY-2008 14:25:21; Dark ; 57.0; 16; 21Alp Sco ; 1.02; 3000;occ; 114; 0;32557
26; 7559.7; 22-MAY-2008 14:27:46; Bright; 4.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 9; 0;32557
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 2; 1629.8; 22-MAY-2008 14:29:32; Bright; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;32558
 3; 1734.0; 22-MAY-2008 14:31:16; Bright; 36.0; 104; 27Bet Lib ; 2.61; 13100;occ; 72; 0;32558
 4; 1841.7; 22-MAY-2008 14:33:04; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;32558
 5; 2026.5; 22-MAY-2008 14:36:09; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32558
 6; 2370.9; 22-MAY-2008 14:41:53; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32558
 7; 2560.8; 22-MAY-2008 14:45:03; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;32558
 8; 3049.6; 22-MAY-2008 14:53:12; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32558
 9; 3173.3; 22-MAY-2008 14:55:16; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32558
10; 3446.8; 22-MAY-2008 14:59:49; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32558
11; 3937.5; 22-MAY-2008 15:08:00; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32558
12; 4009.7; 22-MAY-2008 15:09:12; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;32558
13; 4531.9; 22-MAY-2008 15:17:54; Dark ; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;32558
14; 4797.1; 22-MAY-2008 15:22:19; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;32558
15; 5325.3; 22-MAY-2008 15:31:08; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32558
16; 5847.3; 22-MAY-2008 15:39:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32558
17; 6009.9; 22-MAY-2008 15:42:32; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;32558
18; 6098.8; 22-MAY-2008 15:44:01; Dark ; 39.0; 172; Gam Gru ; 3.00; 13100;occ; 78; 0;32558
19; 6186.2; 22-MAY-2008 15:45:29; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;32558
20; 6433.7; 22-MAY-2008 15:49:36; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32558
21; 6842.5; 22-MAY-2008 15:56:25; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;32558
22; 7008.1; 22-MAY-2008 15:59:10; Dark ; 44.0; 40; The Sco ; 1.86; 7100;occ; 88; 0;32558
23; 7119.0; 22-MAY-2008 16:01:01; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;32558
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 3; 1630.0; 22-MAY-2008 16:10:08; Bright; 36.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 73; 0;32559
 4; 1734.0; 22-MAY-2008 16:11:52; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32559
 5; 1841.4; 22-MAY-2008 16:13:40; Bright; 45.5; 120; 1Del Oph ; 2.73; 3200;occ; 91; 0;32559
 6; 2026.3; 22-MAY-2008 16:16:45; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32559
 7; 2370.8; 22-MAY-2008 16:22:29; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;32559
 8; 2560.8; 22-MAY-2008 16:25:39; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;32559
 9; 3049.2; 22-MAY-2008 16:33:47; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32559
10; 3173.2; 22-MAY-2008 16:35:51; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32559
11; 3446.8; 22-MAY-2008 16:40:25; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32559

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

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 3; 1207.1; 22-MAY-2008 17:43:41; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;32560
 4; 1379.5; 22-MAY-2008 17:46:34; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32560
 5; 1524.0; 22-MAY-2008 17:48:58; Bright; 43.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 87; 0;32560
 6; 1629.9; 22-MAY-2008 17:50:44; Bright; 37.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 74; 0;32560
 7; 1734.1; 22-MAY-2008 17:52:28; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32560
 8; 1841.3; 22-MAY-2008 17:54:16; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;32560
 9; 2026.1; 22-MAY-2008 17:57:20; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;32560
 10; 2370.8; 22-MAY-2008 18:03:05; Bright; 34.5; 83; ; 2.38; 11000;occ; 69; 0;32560
 11; 2560.6; 22-MAY-2008 18:06:15; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;32560
 12; 3048.8; 22-MAY-2008 18:14:23; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32560
 13; 3173.1; 22-MAY-2008 18:16:27; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32560
 14; 3446.8; 22-MAY-2008 18:21:01; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32560
 15; 3937.4; 22-MAY-2008 18:29:12; Bright; 45.0; 76; 27Gam Cas ; 2.30; 30000;occ; 90; 0;32560
 16; 4009.6; 22-MAY-2008 18:30:24; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;32560
 17; 4532.1; 22-MAY-2008 18:39:06; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;32560
 18; 4797.6; 22-MAY-2008 18:43:32; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;32560
 19; 5326.0; 22-MAY-2008 18:52:20; Dark ; 46.0; 52; 16Bet Cet ; 2.04; 4500;occ; 92; 0;32560
 20; 5848.4; 22-MAY-2008 19:01:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32560
 21; 6011.4; 22-MAY-2008 19:03:46; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;32560
 22; 6101.1; 22-MAY-2008 19:05:15; Dark ; 35.0; 172; Gam Gru ; 3.00; 13100;occ; 70; 0;32560
 23; 6187.2; 22-MAY-2008 19:06:41; Dark ; 40.5; 148; Alp Tuc ; 2.88; 4100;occ; 81; 0;32560
 24; 6435.1; 22-MAY-2008 19:10:49; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32560
 25; 6843.4; 22-MAY-2008 19:17:38; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;32560
 26; 7009.1; 22-MAY-2008 19:20:23; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;32560

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 2; 1084.0; 22-MAY-2008 19:22:14; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;32561
 3; 1207.5; 22-MAY-2008 19:24:18; Dark ; 50.5; 75; 26Eps Sco ; 2.29; 4250;occ; 101; 0;32561
 4; 1379.7; 22-MAY-2008 19:27:10; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32561
 5; 1524.1; 22-MAY-2008 19:29:34; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;32561
 6; 1630.1; 22-MAY-2008 19:31:20; Bright; 36.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 73; 0;32561
 7; 1734.1; 22-MAY-2008 19:33:04; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32561
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 9; 2026.0; 22-MAY-2008 19:37:56; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32561
 10; 2370.8; 22-MAY-2008 19:43:41; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;32561
 11; 2560.5; 22-MAY-2008 19:46:51; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;32561
 12; 3048.3; 22-MAY-2008 19:54:59; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32561
 13; 3173.0; 22-MAY-2008 19:57:03; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;32561
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 18; 4797.8; 22-MAY-2008 20:24:08; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;32561
 19; 5326.4; 22-MAY-2008 20:32:57; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32561
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 21; 6012.0; 22-MAY-2008 20:44:22; Dark ; 55.5; 63; Bet Gru ; 2.15; 2800;occ; 111; 0;32561
 22; 6102.2; 22-MAY-2008 20:45:52; Dark ; 35.0; 172; Gam Gru ; 3.00; 13100;occ; 70; 0;32561
 23; 6187.7; 22-MAY-2008 20:47:18; Dark ; 38.0; 148; Alp Tuc ; 2.88; 4100;occ; 76; 0;32561
 24; 6435.7; 22-MAY-2008 20:51:26; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32561
 25; 6843.8; 22-MAY-2008 20:58:14; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;32561

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4; 69.8; 23-MAY-2008 01:47:44; Dark ; 27.0; 172; Gam Gru ; 3.00; 13100;occ; 54; 0;32565
5; 153.3; 23-MAY-2008 01:49:07; Dark ; 40.5; 148; Alp Tuc ; 2.88; 4100;occ; 81; 0;32565
6; 401.9; 23-MAY-2008 01:53:16; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32565
7; 809.1; 23-MAY-2008 02:00:03; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;32565
8; 975.3; 23-MAY-2008 02:02:49; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;32565
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10; 1208.9; 23-MAY-2008 02:06:43; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;32565
11; 1380.7; 23-MAY-2008 02:09:35; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32565
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14; 1734.4; 23-MAY-2008 02:15:28; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32565
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17; 2370.5; 23-MAY-2008 02:26:04; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;32565
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19; 3046.8; 23-MAY-2008 02:37:21; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32565
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3;-1655.1; 23-MAY-2008 02:59:35; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;32565
4;-1503.0; 23-MAY-2008 03:02:07; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;32565
5;-1236.5; 23-MAY-2008 03:06:33; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;32565
6; -707.8; 23-MAY-2008 03:15:22; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;32565
7; -184.9; 23-MAY-2008 03:24:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32565
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9; 71.1; 23-MAY-2008 03:28:21; Dark ; 27.0; 172; Gam Gru ; 3.00; 13100;occ; 54; 0;32566
10; 154.0; 23-MAY-2008 03:29:44; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;32566
11; 402.7; 23-MAY-2008 03:33:52; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32566
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 9; 2023.8; 23-MAY-2008 20:46:53; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32576
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 6; 410.4; 23-MAY-2008 22:00:36; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32577
 7; 814.4; 23-MAY-2008 22:07:20; Dark ; 38.5; 141; Bet Ara ; 2.84; 4600;occ; 77; 0;32577
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 9; 1092.4; 23-MAY-2008 22:11:58; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;32577
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13; 1638.5; 23-MAY-2008 22:21:04; Bright; 30.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 60; 0;32577
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19; 3042.3; 23-MAY-2008 22:44:27; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32577
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22; 3936.7; 23-MAY-2008 22:59:22; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;32577
23; 4008.6; 23-MAY-2008 23:00:34; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;32577
24; 4382.3; 23-MAY-2008 23:06:47; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;32577
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 6; 411.1; 23-MAY-2008 23:41:12; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32578
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 9; 1092.9; 23-MAY-2008 23:52:34; Dark ; 52.0; 25; 35Lam Sco ; 1.62; 28000;occ; 104; 0;32578
10; 1213.8; 23-MAY-2008 23:54:35; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;32578
11; 1384.0; 23-MAY-2008 23:57:25; Dark ; 52.0; 16; 21Alp Sco ; 1.02; 3000;occ; 104; 0;32578
12; 1526.8; 23-MAY-2008 23:59:48; Bright; 40.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 80; 0;32578
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 23; 7246.4; 23-MAY-2008 08:49:08; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;32568
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19; 6135.6; 24-MAY-2008 18:02:36; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;32588
20; 6454.8; 24-MAY-2008 18:07:55; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32588
21; 6855.7; 24-MAY-2008 18:14:36; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32588
22; 7024.2; 24-MAY-2008 18:17:24; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;32588
23; 7134.6; 24-MAY-2008 18:19:15; Dark ; 39.5; 25; 35Lam Sco ; 1.62; 28000;occ; 79; 0;32588

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

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

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

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13; 1837.3; 25-MAY-2008 23:01:44; Bright; 42.0; 120; 1Del Oph ; 2.73; 3200;occ; 84; 0;32606
14; 2020.1; 25-MAY-2008 23:04:47; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;32606
15; 2369.1; 25-MAY-2008 23:10:36; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;32606
16; 3031.6; 25-MAY-2008 23:21:39; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32606
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19; 3935.3; 25-MAY-2008 23:36:42; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;32606
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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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13; 992.4; 25-MAY-2008 07:42:16; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;32597
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16; 6143.4; 25-MAY-2008 09:08:07; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;32597
17; 6461.1; 25-MAY-2008 09:13:25; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32597
18; 6859.5; 25-MAY-2008 09:20:03; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;32597
19; 7028.9; 25-MAY-2008 09:22:53; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;32597
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21; 7257.0; 25-MAY-2008 09:26:41; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;32597
22; 7385.6; 25-MAY-2008 09:28:49; Dark ; 41.0; 136; 23Tau Sco ; 2.82; 30000;occ; 82; 0;32597
23; 7565.9; 25-MAY-2008 09:31:50; Bright; 39.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 79; 0;32597
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 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
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11; 4538.8; 25-MAY-2008 10:21:58; Dark ; 50.5; 58; 21Alp And ; 2.07; 11000;occ; 101; 0;32598

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 17; 6461.8; 25-MAY-2008 10:54:01; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32598
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 22; 7385.8; 25-MAY-2008 11:09:25; Dark ; 40.5; 136; 23Tau Sco ; 2.82; 30000;occ; 81; 0;32598
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 3; 2021.0; 25-MAY-2008 11:20:36; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32599
 4; 2369.2; 25-MAY-2008 11:26:25; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;32599
 5; 3034.0; 25-MAY-2008 11:37:29; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32599
 6; 3170.3; 25-MAY-2008 11:39:46; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;32599
 7; 3680.0; 25-MAY-2008 11:48:15; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;32599
 8; 3935.6; 25-MAY-2008 11:52:31; Bright; 36.0; 76; 27Gam Cas ; 2.30; 30000;occ; 72; 0;32599
 9; 4007.3; 25-MAY-2008 11:53:43; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;32599
 10; 4384.8; 25-MAY-2008 12:00:00; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;32599
 11; 4538.9; 25-MAY-2008 12:02:34; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;32599
 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
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 17; 6462.5; 25-MAY-2008 12:34:38; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32599
 18; 6860.4; 25-MAY-2008 12:41:16; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32599
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 21; 7257.6; 25-MAY-2008 12:47:53; Dark ; 45.0; 75; 26Eps Sco ; 2.29; 4250;occ; 90; 0;32599
 22; 7386.1; 25-MAY-2008 12:50:02; Dark ; 44.0; 136; 23Tau Sco ; 2.82; 30000;occ; 88; 0;32599
 23; 7566.2; 25-MAY-2008 12:53:02; Bright; 40.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 80; 0;32599

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 2; -2100.0; 25-MAY-2008 05:10:08; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32595
 3; -2028.3; 25-MAY-2008 05:11:19; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;32595
 4; -1651.5; 25-MAY-2008 05:17:36; Bright; 48.0; 53; 43Bet And ; 2.05; 3300;occ; 96; 0;32595
 5; -1497.7; 25-MAY-2008 05:20:10; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;32595
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 12; 822.8; 25-MAY-2008 05:58:50; Dark ; 39.0; 141; Bet Ara ; 2.84; 4600;occ; 78; 0;32596
 13; 991.9; 25-MAY-2008 06:01:40; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;32596
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 19; 1838.1; 25-MAY-2008 06:15:46; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;32596
 20; 2021.5; 25-MAY-2008 06:18:49; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32596
 21; 2369.3; 25-MAY-2008 06:24:37; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32596
 22; 3035.2; 25-MAY-2008 06:35:43; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32596
 23; 3170.5; 25-MAY-2008 06:37:58; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32596

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

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9; 4385.0; 25-MAY-2008 13:40:36; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;32600
10; 4539.2; 25-MAY-2008 13:43:10; Dark ; 50.0; 58; 21Alp And ; 2.07; 11000;occ; 100; 0;32600
11; 4812.9; 25-MAY-2008 13:47:44; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;32600
12; 5344.4; 25-MAY-2008 13:56:36; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;32600
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4; 2020.8; 25-MAY-2008 14:41:48; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32601
5; 2369.3; 25-MAY-2008 14:47:36; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;32601
6; 3033.4; 25-MAY-2008 14:58:41; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32601
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8; 3678.9; 25-MAY-2008 15:09:26; Bright; 68.0; 89; 5Alp Cep ; 2.45; 8000;occ; 136; 0;32601
9; 3935.8; 25-MAY-2008 15:13:43; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;32601
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12; 4539.4; 25-MAY-2008 15:23:47; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;32601
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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
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17; 4387.1; 26-MAY-2008 23:12:37; Bright; 40.0; 53; 43Bet And ; 2.05; 3300;occ; 80; 0;32620
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3; 21.5; 26-MAY-2008 23:40:27; Dark ; 58.5; 63; Bet Gru ; 2.15; 2800;occ; 117; 0;32621
4; 127.7; 26-MAY-2008 23:42:14; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;32621
5; 441.3; 26-MAY-2008 23:47:27; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;32621
6; 833.3; 26-MAY-2008 23:53:59; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32621
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8; 1114.2; 26-MAY-2008 23:58:40; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;32621
9; 1229.1; 27-MAY-2008 00:00:35; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;32621
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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
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19; 3169.0; 27-MAY-2008 00:32:55; Bright; 32.5; 60; 7Bet UMi ; 2.08; 3950;occ; 65; 0;32621
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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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9; 118.9; 26-MAY-2008 06:56:06; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;32611
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11; 829.1; 26-MAY-2008 07:07:56; Dark ; 39.0; 141; Bet Ara ; 2.84; 4600;occ; 78; 0;32611
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13; 1109.4; 26-MAY-2008 07:12:36; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;32611
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3; 2019.7; 26-MAY-2008 07:27:46; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;32611
4; 2382.3; 26-MAY-2008 07:33:49; Bright; 40.0; 67; 5Alp CrB ; 2.22; 11000;occ; 80; 0;32611
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
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3; 2019.5; 26-MAY-2008 09:08:22; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32612
4; 2382.0; 26-MAY-2008 09:14:25; Bright; 38.0; 67; 5Alp CrB ; 2.22; 11000;occ; 76; 0;32612
5; 2572.9; 26-MAY-2008 09:17:35; Bright; 42.0; 133; 40Zet Her ; 2.81; 6000;occ; 84; 0;32612
6; 3029.5; 26-MAY-2008 09:25:12; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32612
7; 3169.5; 26-MAY-2008 09:27:32; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;32612
8; 3672.8; 26-MAY-2008 09:35:55; Bright; 68.0; 89; 5Alp Cep ; 2.45; 8000;occ; 136; 0;32612
9; 3935.0; 26-MAY-2008 09:40:18; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32612
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11; 4541.4; 26-MAY-2008 09:50:24; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;32612
12; 4817.8; 26-MAY-2008 09:55:00; Dark ; 48.0; 140; 88Gam Peg ; 2.83; 26000;occ; 96; 0;32612
13; 5350.2; 26-MAY-2008 10:03:53; Dark ; 43.5; 52; 16Bet Cet ; 2.04; 4500;occ; 87; 0;32612
14; 5877.5; 26-MAY-2008 10:12:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32612
15; 6051.1; 26-MAY-2008 10:15:34; Dark ; 46.5; 63; Bet Gru ; 2.15; 2800;occ; 93; 0;32612
16; 6156.5; 26-MAY-2008 10:17:19; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;32612
17; 6471.6; 26-MAY-2008 10:22:34; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32612
18; 6865.9; 26-MAY-2008 10:29:08; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;32612
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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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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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8; 3672.2; 26-MAY-2008 11:16:31; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;32613
9; 3934.9; 26-MAY-2008 11:20:53; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32613
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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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9; 35.9; 28-MAY-2008 05:51:28; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;32639
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13; 1013.4; 28-MAY-2008 06:07:46; Dark ; 51.0; 40; The Sco ; 1.86; 7100;occ; 102; 0;32639
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9; 2016.7; 28-MAY-2008 21:29:53; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;32648
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12; 3017.3; 28-MAY-2008 21:46:33; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32648
13; 3167.6; 28-MAY-2008 21:49:04; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32648
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4; 43.9; 28-MAY-2008 22:37:36; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;32649

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8; 1018.3; 28-MAY-2008 22:53:50; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;32649
9; 1127.1; 28-MAY-2008 22:55:39; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;32649
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22; 3932.6; 28-MAY-2008 23:42:24; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;32649
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25; 4833.8; 28-MAY-2008 23:57:26; Dark ; 49.5; 140; 88Gam Peg ; 2.83; 26000;occ; 99; 0;32649
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4;-1489.4; 28-MAY-2008 07:06:39; Dark ; 50.5; 58; 21Alp And ; 2.07; 11000;occ; 101; 0;32639
5;-1206.6; 28-MAY-2008 07:11:22; Dark ; 47.5; 140; 88Gam Peg ; 2.83; 26000;occ; 95; 0;32639
6; -791.4; 28-MAY-2008 07:18:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32639
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9; 36.7; 28-MAY-2008 07:32:05; Dark ; 58.5; 63; Bet Gru ; 2.15; 2800;occ; 117; 0;32640
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8; 3014.3; 29-MAY-2008 14:32:29; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;32658
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9; 2016.0; 29-MAY-2008 19:17:39; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;32661
10; 2373.1; 29-MAY-2008 19:23:36; Bright; 38.0; 67; 5Alp CrB ; 2.22; 11000;occ; 76; 0;32661
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12; 3013.3; 29-MAY-2008 19:34:16; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;32661
13; 3167.0; 29-MAY-2008 19:36:50; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32661
14; 3645.3; 29-MAY-2008 19:44:48; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;32661
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 9; 1025.7; 30-MAY-2008 01:43:32; Dark ; 44.0; 40; The Sco ; 1.86; 7100;occ; 88; 0;32665
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 11; 1243.4; 30-MAY-2008 01:47:10; Dark ; 44.5; 75; 26Eps Sco ; 2.29; 4250;occ; 89; 0;32665
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 16; 1834.6; 30-MAY-2008 01:57:01; Bright; 40.0; 120; 1Del Oph ; 2.73; 3200;occ; 80; 0;32665
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 18; 2372.4; 30-MAY-2008 02:05:59; Bright; 36.5; 67; 5Alp CrB ; 2.22; 11000;occ; 73; 0;32665
 19; 2541.1; 30-MAY-2008 02:08:48; Bright; 44.5; 133; 40Zet Her ; 2.81; 6000;occ; 89; 0;32665
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 9; 168.7; 30-MAY-2008 03:09:51; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;32666
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 11; 852.7; 30-MAY-2008 03:21:15; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;32666
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 13; 1134.8; 30-MAY-2008 03:25:57; Dark ; 43.5; 25; 35Lam Sco ; 1.62; 28000;occ; 87; 0;32666
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 17; 1589.0; 30-MAY-2008 03:33:31; Bright; 46.5; 86; 35Eta Oph ; 2.43; 10200;occ; 93; 0;32666
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 19; 1834.7; 30-MAY-2008 03:37:37; Bright; 40.5; 120; 1Del Oph ; 2.73; 3200;occ; 81; 0;32666
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 21; 2372.5; 30-MAY-2008 03:46:35; Bright; 38.0; 67; 5Alp CrB ; 2.22; 11000;occ; 76; 0;32666
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 23; 3011.9; 30-MAY-2008 03:57:14; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32666
 24; 3167.0; 30-MAY-2008 03:59:49; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32666
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 3; -1643.9; 30-MAY-2008 04:20:15; Bright; 42.5; 53; 43Bet And ; 2.05; 3300;occ; 85; 0;32666
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 6; -773.3; 30-MAY-2008 04:34:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32666
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 12; 855.8; 30-MAY-2008 05:01:54; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;32667
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 16; 1367.8; 30-MAY-2008 05:10:26; Dark ; 50.5; 136; 23Tau Sco ; 2.82; 30000;occ; 101; 0;32667
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 18; 1589.2; 30-MAY-2008 05:14:08; Bright; 46.0; 86; 35Eta Oph ; 2.43; 10200;occ; 92; 0;32667
 19; 1702.1; 30-MAY-2008 05:16:01; Bright; 40.5; 98; 13Zet Oph ; 2.57; 30000;occ; 81; 0;32667
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 21; 2015.8; 30-MAY-2008 05:21:14; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;32667
 22; 2372.2; 30-MAY-2008 05:27:11; Bright; 35.5; 67; 5Alp CrB ; 2.22; 11000;occ; 71; 0;32667
 23; 2540.0; 30-MAY-2008 05:29:58; Bright; 42.0; 133; 40Zet Her ; 2.81; 6000;occ; 84; 0;32667
 24; 3011.5; 30-MAY-2008 05:37:50; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32667
 25; 3168.7; 30-MAY-2008 05:40:27; Bright; 31.5; 60; 7Bet UMi ; 2.08; 3950;occ; 63; 0;32667
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 3; 1139.0; 30-MAY-2008 20:12:01; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;32676
 4; 1247.0; 30-MAY-2008 20:13:49; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;32676
 5; 1370.0; 30-MAY-2008 20:15:52; Dark ; 51.5; 136; 23Tau Sco ; 2.82; 30000;occ; 103; 0;32676
 6; 1495.8; 30-MAY-2008 20:17:58; Bright; 38.5; 80; 7Del Sco ; 2.32; 30000;occ; 77; 0;32676
 7; 1590.0; 30-MAY-2008 20:19:32; Bright; 45.0; 86; 35Eta Oph ; 2.43; 10200;occ; 90; 0;32676
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 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