

# GOMOS Daily Report 15-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	17MAY2008 05:32:36
Data source version	GOMOS/5.00
Start time of products	QDS_YESTERDAY(/START)-1D (15MAY2008 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP)-1D (16MAY2008 00:00:00)
Store outputs in DB	Yes
Nb of level 1b prods	44
Nb of prods with errors	0

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

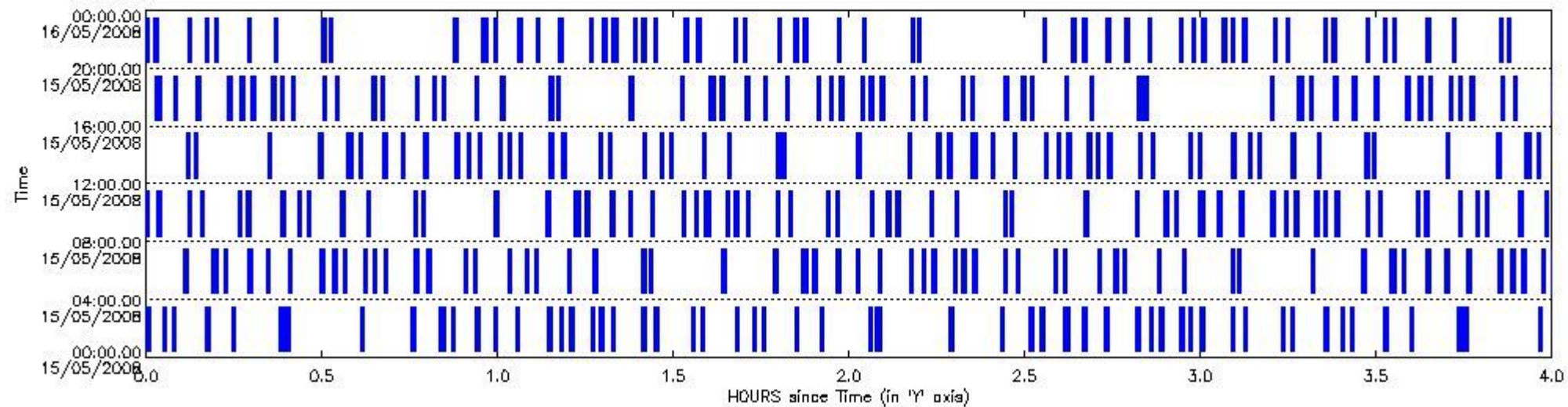
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

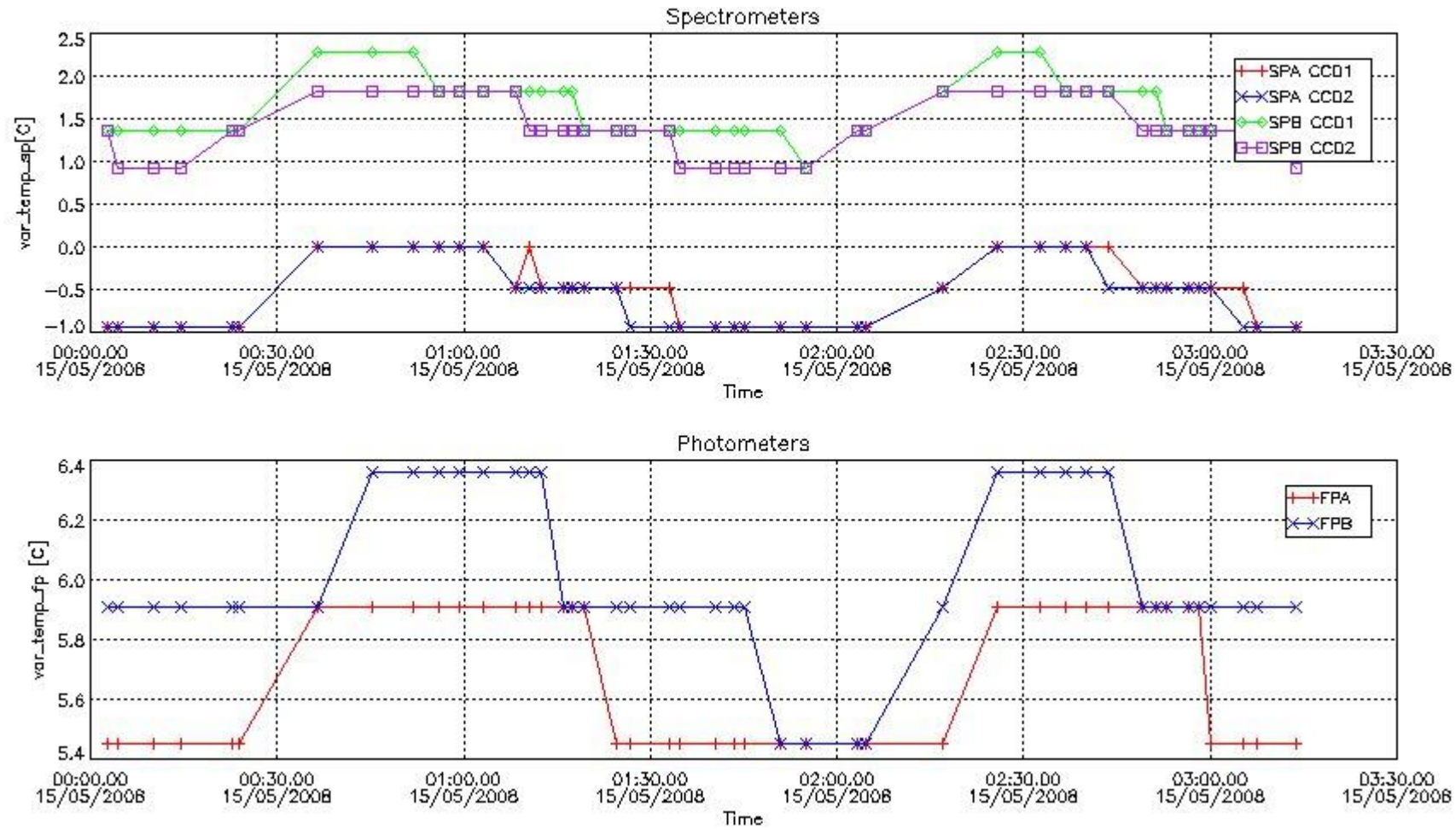
No missing products.

### 2.4 Summary of processed GOM\_TRA\_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20080515_000252_000000352068_00331_32449_1867.N1	15-MAY-2008 00:02:52	Bright	34.500	39	85Eta UMa	1.8540	24000.	69	32449	No
2	GOM_TRA_1PNPDE20080515_000427_000000342068_00331_32449_1868.N1	15-MAY-2008 00:04:27	Bright	34.000	55	79Zet UMa	2.0600	10200.	68	32449	No
3	GOM_TRA_1PNPDE20080515_001011_000000352068_00331_32449_1869.N1	15-MAY-2008 00:10:11	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	32449	No
4	GOM_TRA_1PNPDE20080515_001432_000000322068_00331_32449_1870.N1	15-MAY-2008 00:14:32	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	32449	No
5	GOM_TRA_1PNPDE20080515_002244_000000532068_00331_32449_1871.N1	15-MAY-2008 00:22:44	Bright	53.000	76	27Gam Cas	2.3000	30000.	106	32449	No
6	GOM_TRA_1PNPDE20080515_002358_000000372068_00331_32449_1872.N1	15-MAY-2008 00:23:58	Bright	36.500	68	18Alp Cas	2.2250	4500.0	73	32449	No
7	GOM_TRA_1PNPDE20080515_003627_000000422068_00331_32449_1873.N1	15-MAY-2008 00:36:27	Twilight	42.000	140	88Gam Peg	2.8340	26000.	84	32449	No
8	GOM_TRA_1PNPDE20080515_004511_000000432068_00331_32449_2007.N1	15-MAY-2008 00:45:11	Dark	43.000	52	16Bet Cet	2.0370	4500.0	86	32449	No
9	GOM_TRA_1PNPDE20080515_005200_000000412068_00331_32449_2008.N1	15-MAY-2008 00:52:00	Dark	40.500	84	Alp Phe	2.3970	4500.0	81	32449	No
10	GOM_TRA_1PNPDE20080515_005601_000000562068_00331_32449_2009.N1	15-MAY-2008 00:56:01	Dark	55.500	63	Bet Gru	2.1500	2800.0	111	32449	No
11	GOM_TRA_1PNPDE20080515_005917_000000372068_00332_32450_2010.N1	15-MAY-2008 00:59:17	Dark	37.000	148	Alp Tuc	2.8780	4100.0	74	32450	No
12	GOM_TRA_1PNPDE20080515_010303_000000412068_00332_32450_2011.N1	15-MAY-2008 01:03:03	Dark	40.500	45	Alp Pav	1.9400	26000.	81	32450	No

13	GOM_TRA_1PNPDE20080515_010827_000000462068_00332_32450_2012.N1	15-MAY-2008 01:08:27	Straylight	46.000	43	Alp TrA	1.9100	4250.0	92	32450	No
14	GOM_TRA_1PNPDE20080515_011038_000000372068_00332_32450_2013.N1	15-MAY-2008 01:10:38	Straylight	36.500	134	Bet TrA	2.8100	6600.0	73	32450	No
15	GOM_TRA_1PNPDE20080515_011221_000000432068_00332_32450_2014.N1	15-MAY-2008 01:12:21	Straylight	43.000	4	Alp1Cen	-0.010000	5800.0	86	32450	No
16	GOM_TRA_1PNPDE20080515_011555_000000372068_00332_32450_2015.N1	15-MAY-2008 01:15:55	Straylight	36.500	78	Alp Lup	2.3040	28000.	73	32450	No
17	GOM_TRA_1PNPDE20080515_011725_000000382068_00332_32450_2016.N1	15-MAY-2008 01:17:25	Tw_i_and_stray	37.500	81	Eta Cen	2.3560	28000.	75	32450	No
18	GOM_TRA_1PNPDE20080515_011921_000000422068_00332_32450_2017.N1	15-MAY-2008 01:19:21	Tw_i_and_stray	42.000	54	5The Cen	2.0550	4500.0	84	32450	No
19	GOM_TRA_1PNPDE20080515_012437_000000382068_00332_32450_2018.N1	15-MAY-2008 01:24:37	Bright	38.000	122	9Alp2Lib	2.7470	9700.0	76	32450	No
20	GOM_TRA_1PNPDE20080515_012646_000000372068_00332_32450_2019.N1	15-MAY-2008 01:26:46	Bright	37.000	15	67Alp Vir	0.97600	28000.	74	32450	No
21	GOM_TRA_1PNPDE20080515_013309_000000352068_00332_32450_2020.N1	15-MAY-2008 01:33:09	Bright	34.500	138	47Eps Vir	2.8280	4700.0	69	32450	No
22	GOM_TRA_1PNPDE20080515_013444_000000352068_00332_32450_2021.N1	15-MAY-2008 01:34:44	Bright	34.500	111	8Eta Boo	2.6800	6000.0	69	32450	No
23	GOM_TRA_1PNPDE20080515_014034_000000382068_00332_32450_2022.N1	15-MAY-2008 01:40:34	Bright	38.000	180	27Gam Boo	3.0400	8000.0	76	32450	No
24	GOM_TRA_1PNPDE20080515_014328_000000352068_00332_32450_2023.N1	15-MAY-2008 01:43:28	Bright	35.000	39	85Eta UMa	1.8540	24000.	70	32450	No
25	GOM_TRA_1PNPDE20080515_014503_000000372068_00332_32450_2024.N1	15-MAY-2008 01:45:03	Bright	36.500	55	79Zet UMa	2.0600	10200.	73	32450	No
26	GOM_TRA_1PNPDE20080515_015046_000000332068_00332_32450_2025.N1	15-MAY-2008 01:50:46	Bright	32.500	60	7Bet UMi	2.0810	3950.0	65	32450	No
27	GOM_TRA_1PNPDE20080515_015508_000000352068_00332_32450_2026.N1	15-MAY-2008 01:55:08	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	32450	No
28	GOM_TRA_1PNPDE20080515_020320_000000382068_00332_32450_2027.N1	15-MAY-2008 02:03:20	Bright	37.500	76	27Gam Cas	2.3000	30000.	75	32450	No
29	GOM_TRA_1PNPDE20080515_020434_000000532068_00332_32450_2028.N1	15-MAY-2008 02:04:34	Bright	53.000	68	18Alp Cas	2.2250	4500.0	106	32450	No
30	GOM_TRA_1PNPDE20080515_021704_000000422068_00332_32450_2029.N1	15-MAY-2008 02:17:04	Twilight	42.000	140	88Gam Peg	2.8340	26000.	84	32450	No
31	GOM_TRA_1PNPDE20080515_022547_000000432068_00332_32450_2682.N1	15-MAY-2008 02:25:47	Dark	42.500	52	16Bet Cet	2.0370	4500.0	85	32450	No
32	GOM_TRA_1PNPDE20080515_023236_000000412068_00332_32450_2683.N1	15-MAY-2008 02:32:36	Dark	40.500	84	Alp Phe	2.3970	4500.0	81	32450	No
33	GOM_TRA_1PNPDE20080515_023638_000000562068_00332_32450_2684.N1	15-MAY-2008 02:36:38	Dark	55.500	63	Bet Gru	2.1500	2800.0	111	32450	No
34	GOM_TRA_1PNPDE20080515_023954_000000382068_00333_32451_2685.N1	15-MAY-2008 02:39:54	Dark	38.000	148	Alp Tuc	2.8780	4100.0	76	32451	No
35	GOM_TRA_1PNPDE20080515_024339_000000422068_00333_32451_2686.N1	15-MAY-2008 02:43:39	Dark	41.500	45	Alp Pav	1.9400	26000.	83	32451	No
36	GOM_TRA_1PNPDE20080515_024903_000000392068_00333_32451_2687.N1	15-MAY-2008 02:49:03	Straylight	39.000	43	Alp TrA	1.9100	4250.0	78	32451	No
37	GOM_TRA_1PNPDE20080515_025114_000000362068_00333_32451_2688.N1	15-MAY-2008 02:51:14	Straylight	36.000	134	Bet TrA	2.8100	6600.0	72	32451	No
38	GOM_TRA_1PNPDE20080515_025257_000000422068_00333_32451_2689.N1	15-MAY-2008 02:52:57	Straylight	41.500	4	Alp1Cen	-0.010000	5800.0	83	32451	No
39	GOM_TRA_1PNPDE20080515_025631_000000372068_00333_32451_2690.N1	15-MAY-2008 02:56:31	Straylight	37.000	78	Alp Lup	2.3040	28000.	74	32451	No
40	GOM_TRA_1PNPDE20080515_025801_000000372068_00333_32451_2691.N1	15-MAY-2008 02:58:01	Tw_i_and_stray	37.000	81	Eta Cen	2.3560	28000.	74	32451	No
41	GOM_TRA_1PNPDE20080515_025957_000000452068_00333_32451_2692.N1	15-MAY-2008 02:59:57	Tw_i_and_stray	45.000	54	5The Cen	2.0550	4500.0	90	32451	No
42	GOM_TRA_1PNPDE20080515_030513_000000392068_00333_32451_2693.N1	15-MAY-2008 03:05:13	Bright	38.500	122	9Alp2Lib	2.7470	9700.0	77	32451	No
43	GOM_TRA_1PNPDE20080515_030722_000000372068_00333_32451_2694.N1	15-MAY-2008 03:07:22	Bright	37.000	15	67Alp Vir	0.97600	28000.	74	32451	No
44	GOM_TRA_1PNPDE20080515_031345_000000352068_00333_32451_2695.N1	15-MAY-2008 03:13:45	Bright	35.000	138	47Eps Vir	2.8280	4700.0	70	32451	No

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



#### 4. Overview of dark signal processing per product

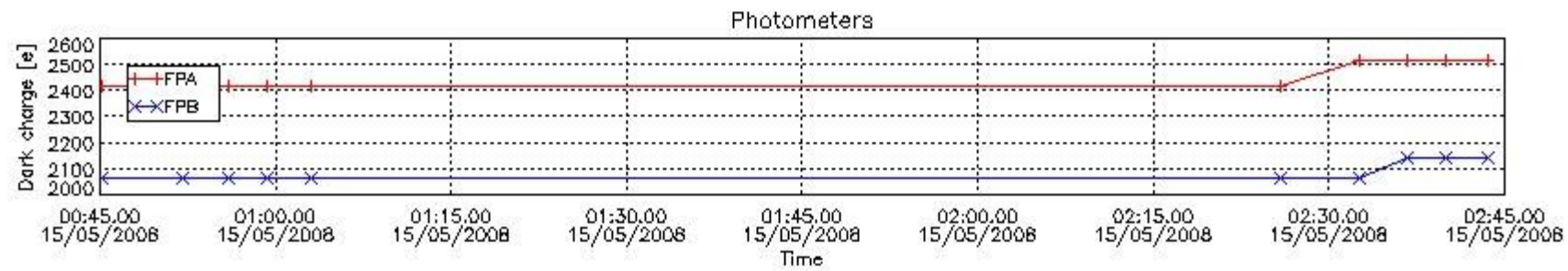
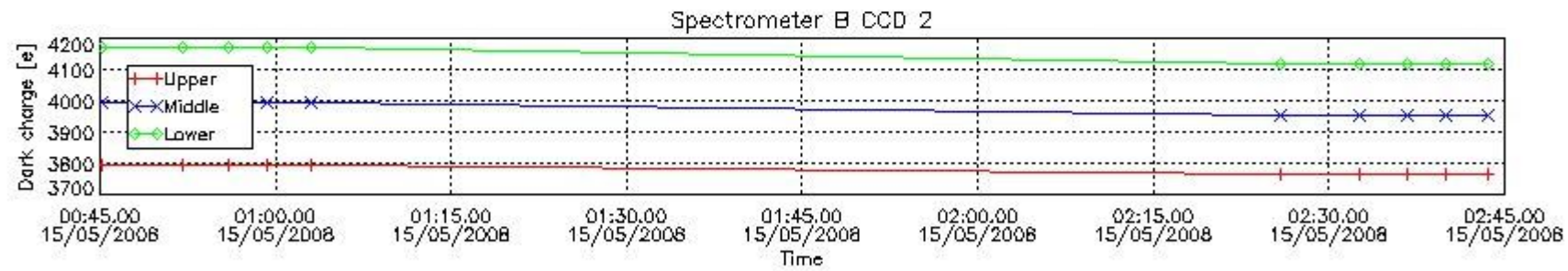
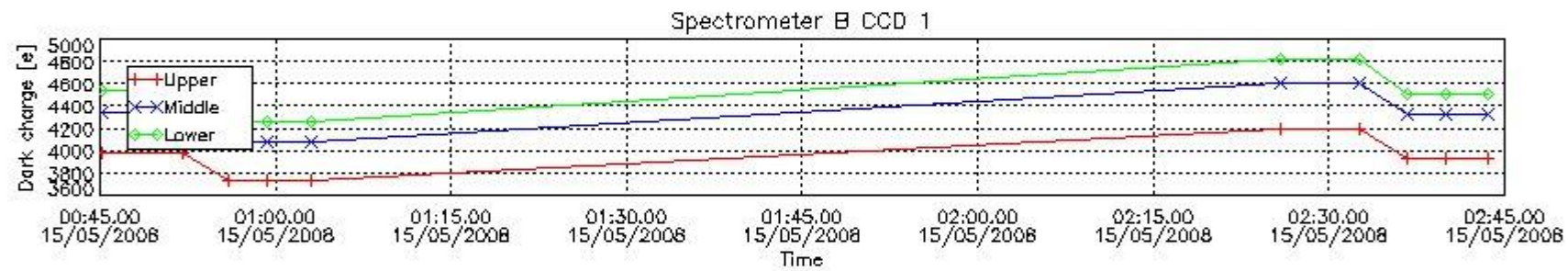
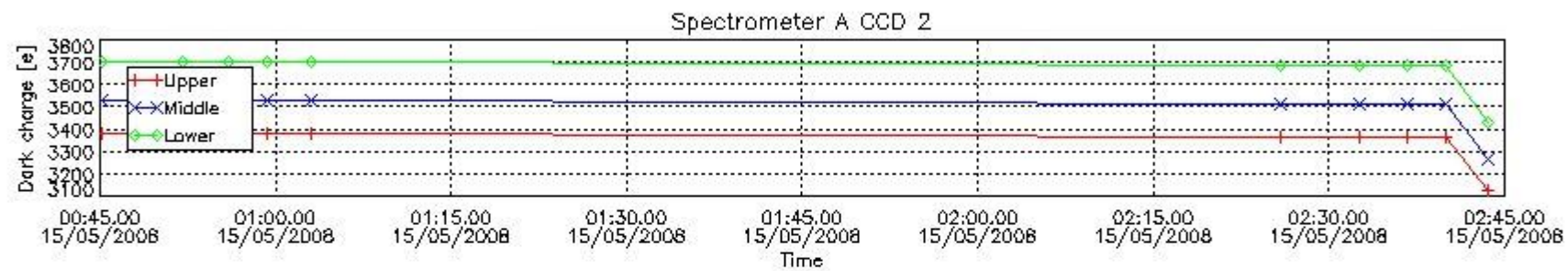
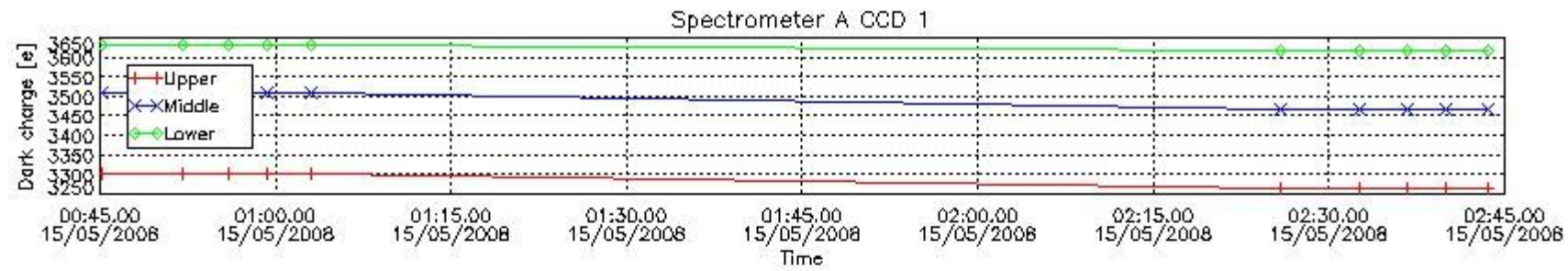
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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





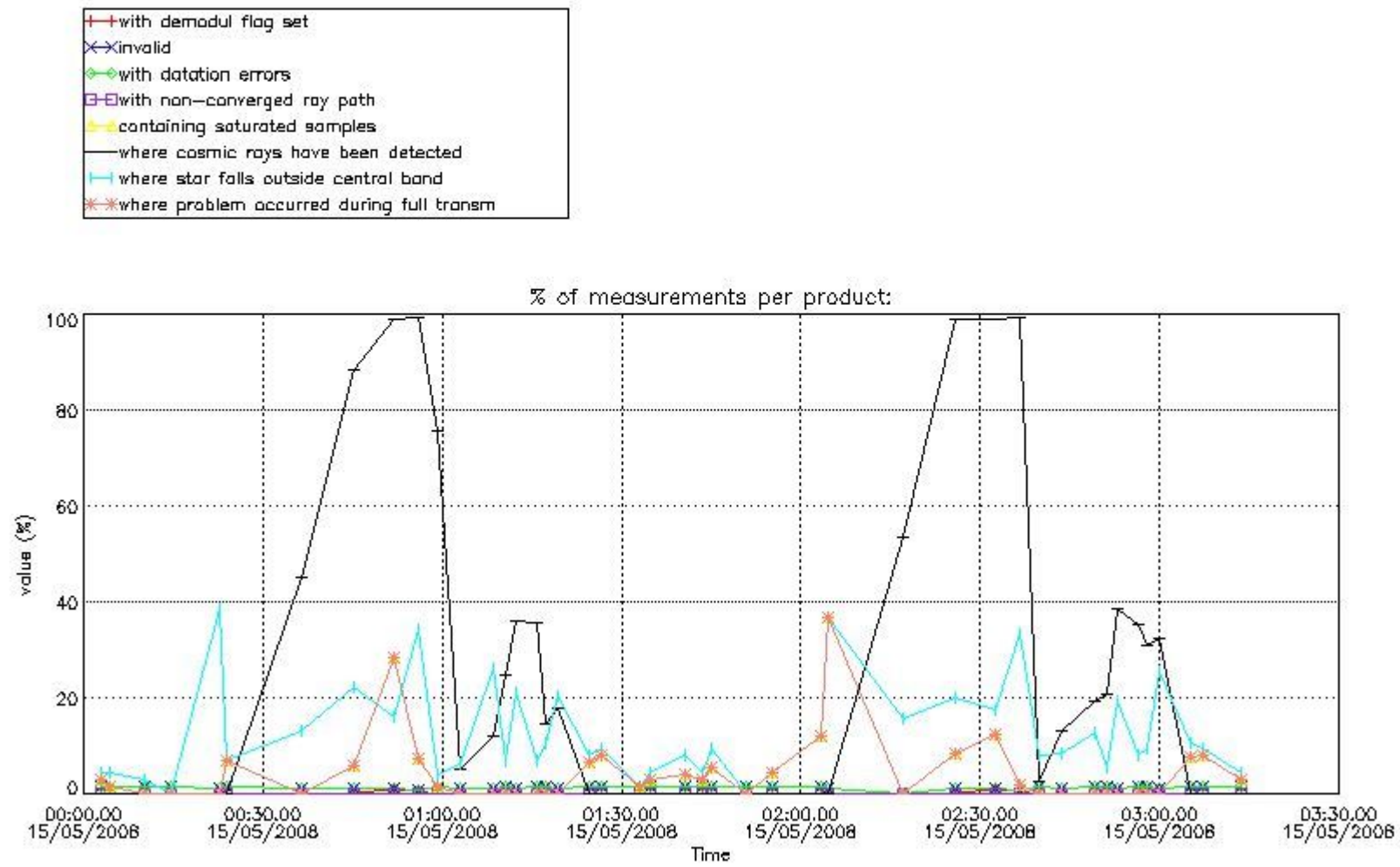
## 5. Demodulation flag and quality information monitoring

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:

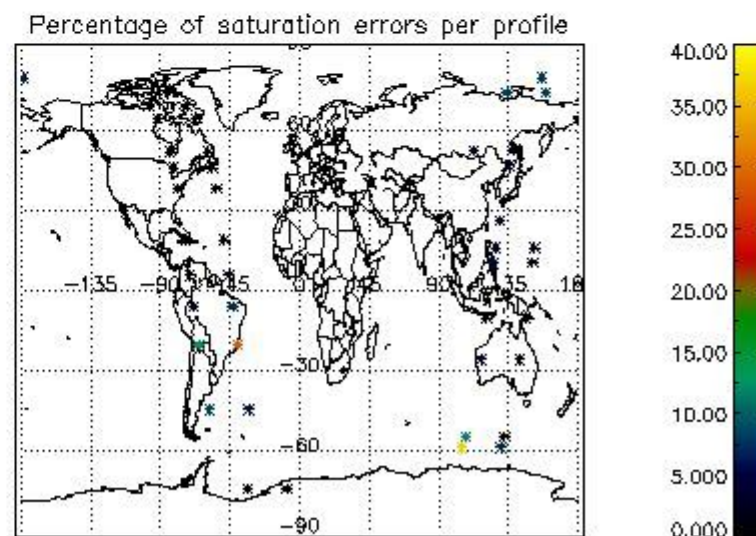
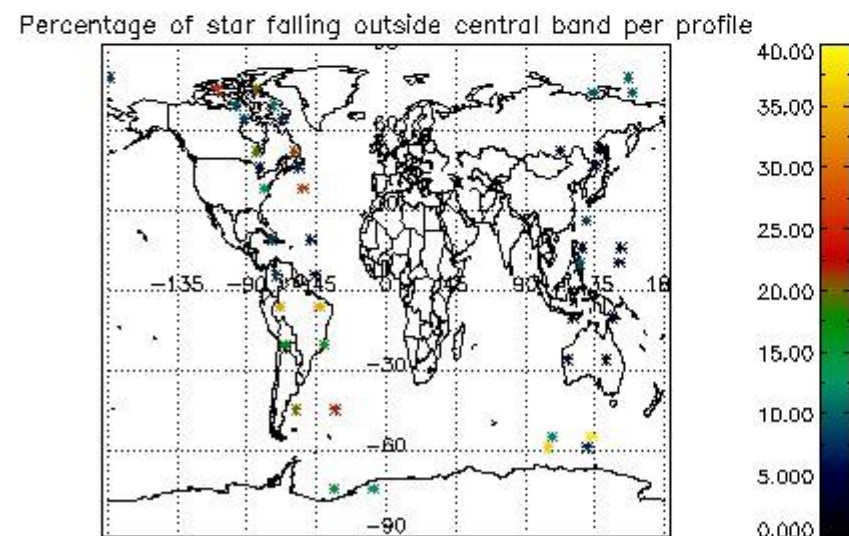
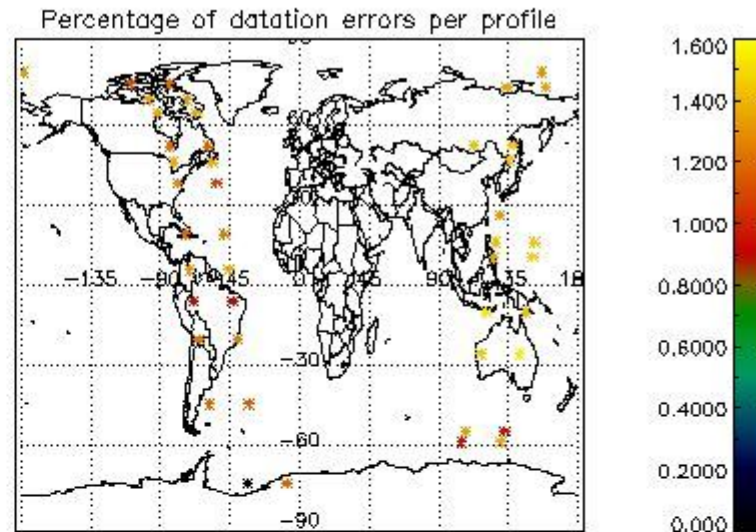
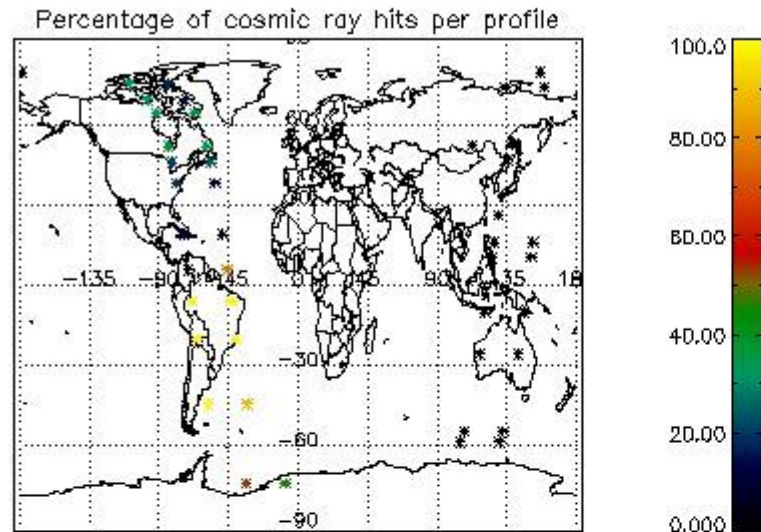
At least one measurement with demodulation flag set:	29.5455 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

### 5.2 Plot quality information per product (time dependant)



### 5.3 Plot quality information per product (world map)





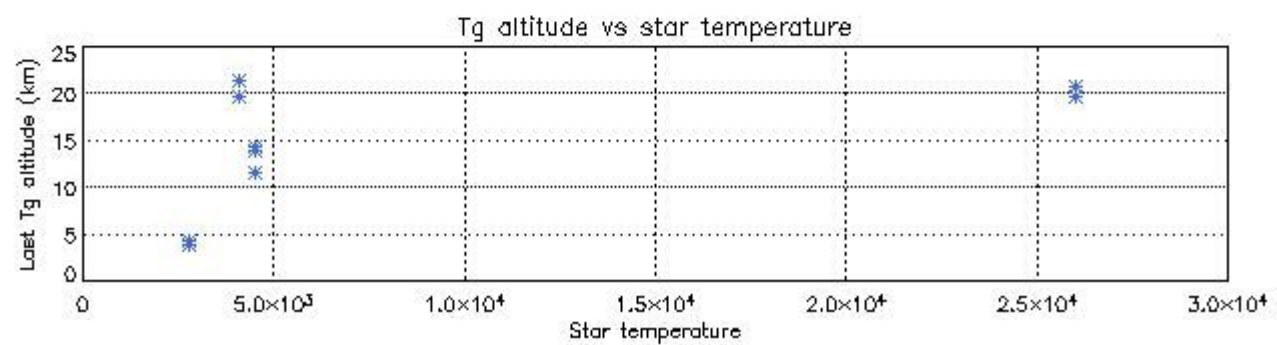
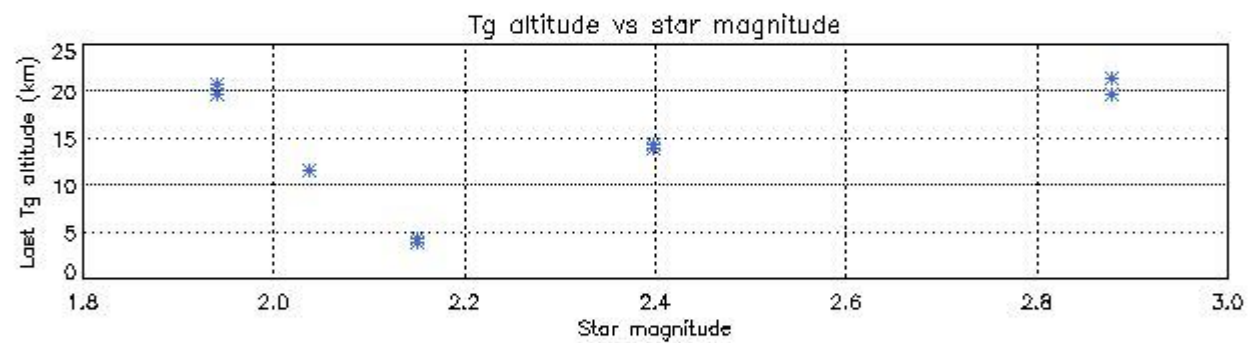
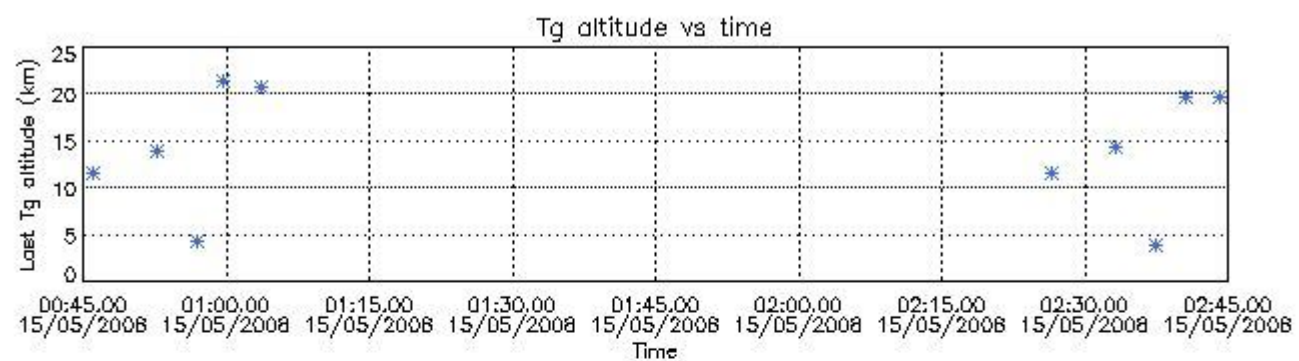
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.105	20.261	14.809
St. deviation:	6.4382	6.6340	0.098740
Maximum:	21.370	30.847	14.879
Minimum:	3.9301	3.5621	14.739
Number of data:	10.000	20.000	2.0000

### 6.2 Plot for DARK limb products

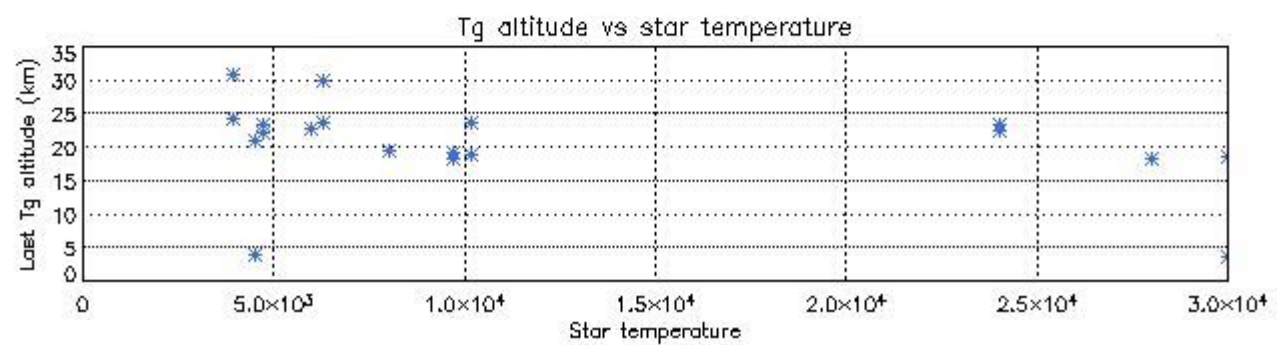
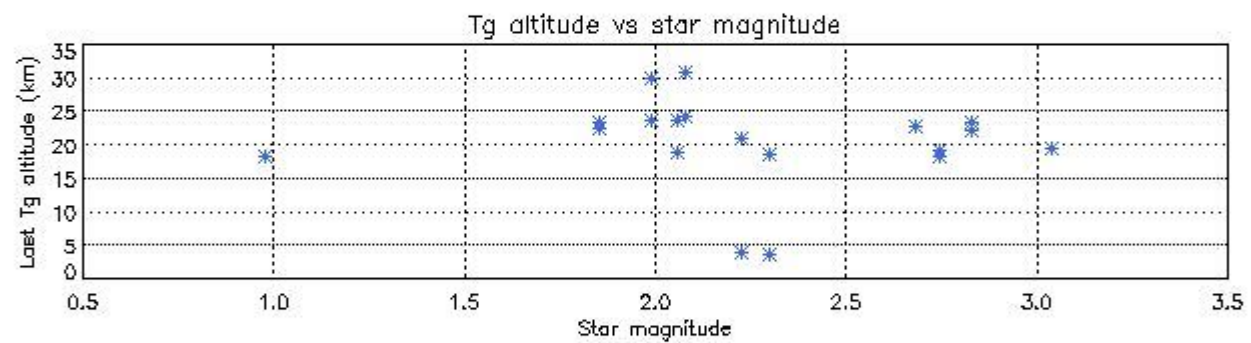
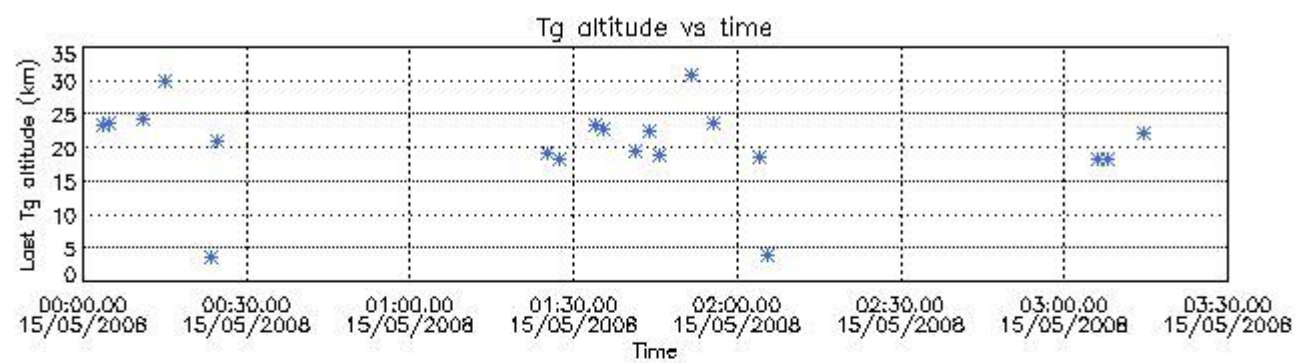
Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

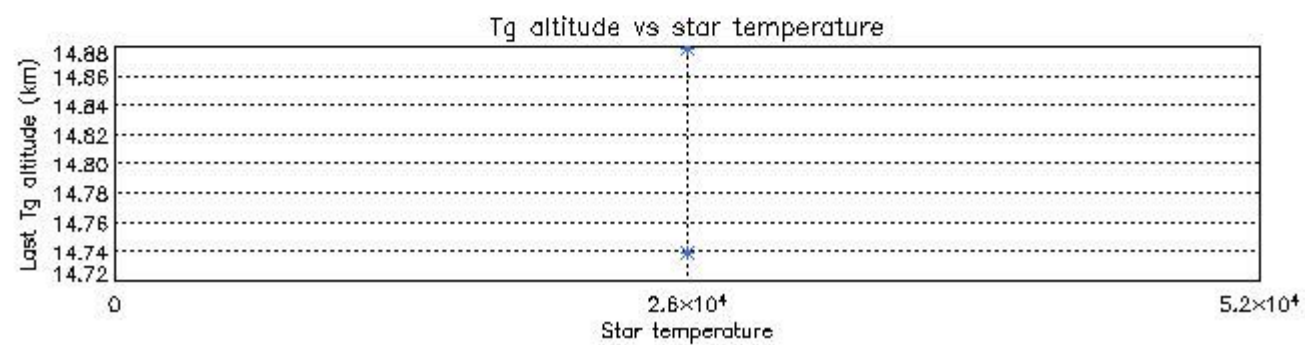
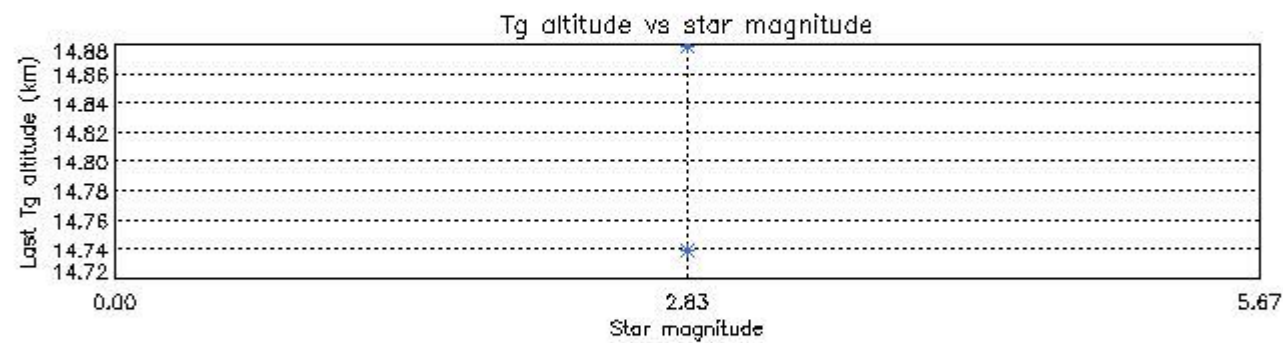
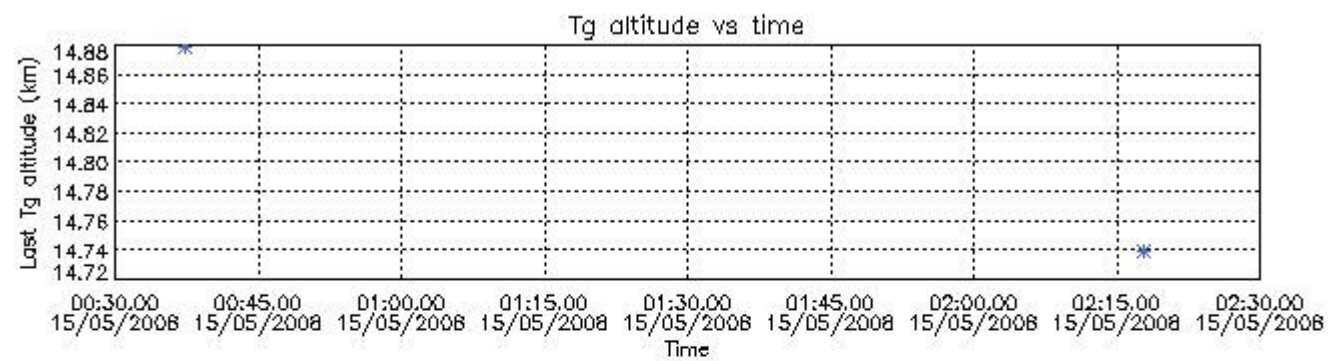


Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

## Tangent altitude at which the star is lost

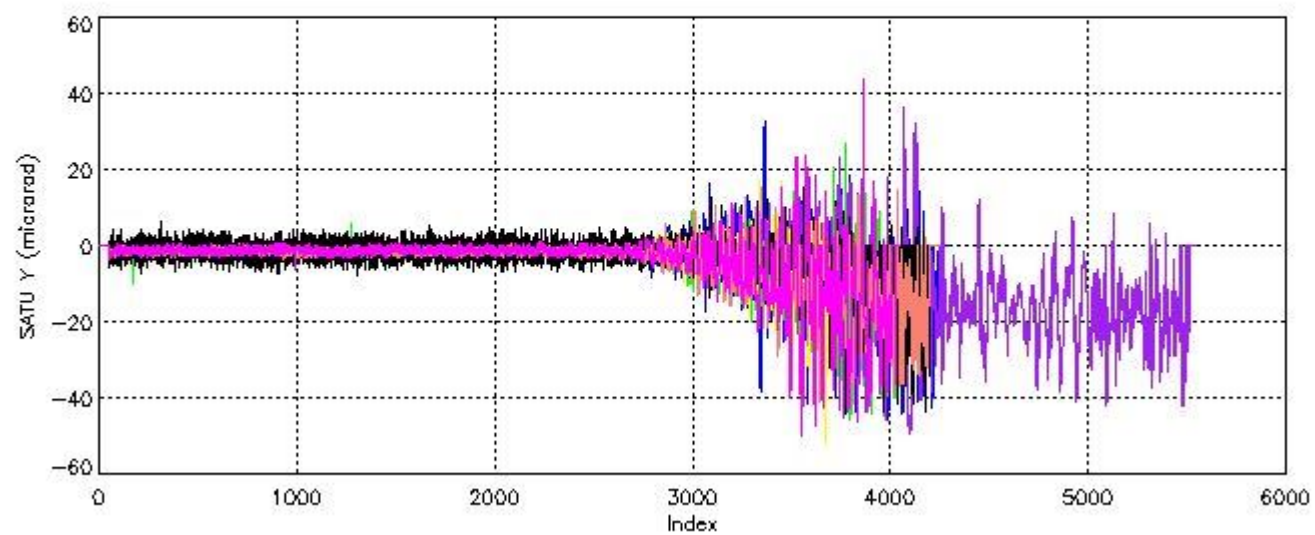
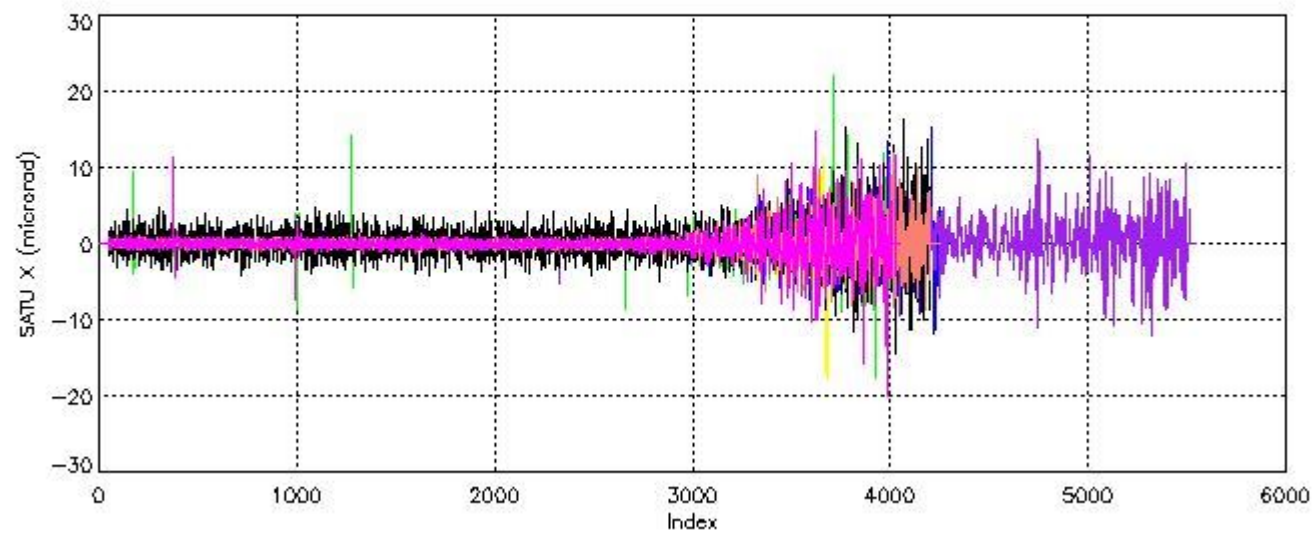


## 7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

### 7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.063698	-1.3221	0.046578	-1.3495
St. deviation:	0.43154	0.83881	0.71786	1.1649
Maximum:	11.400	2.3000	4.4000	4.0000
Minimum:	-4.4000	-10.000	-4.1000	-7.1000



Number of data:	9100.0	9100.0	16450.	16450.
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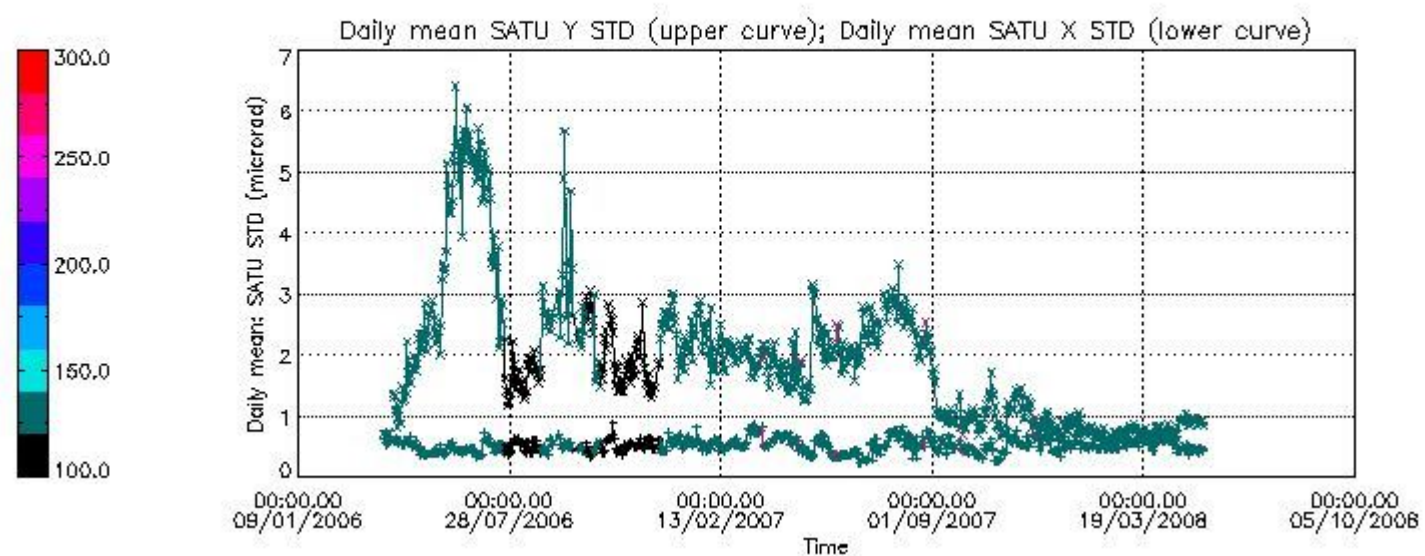
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

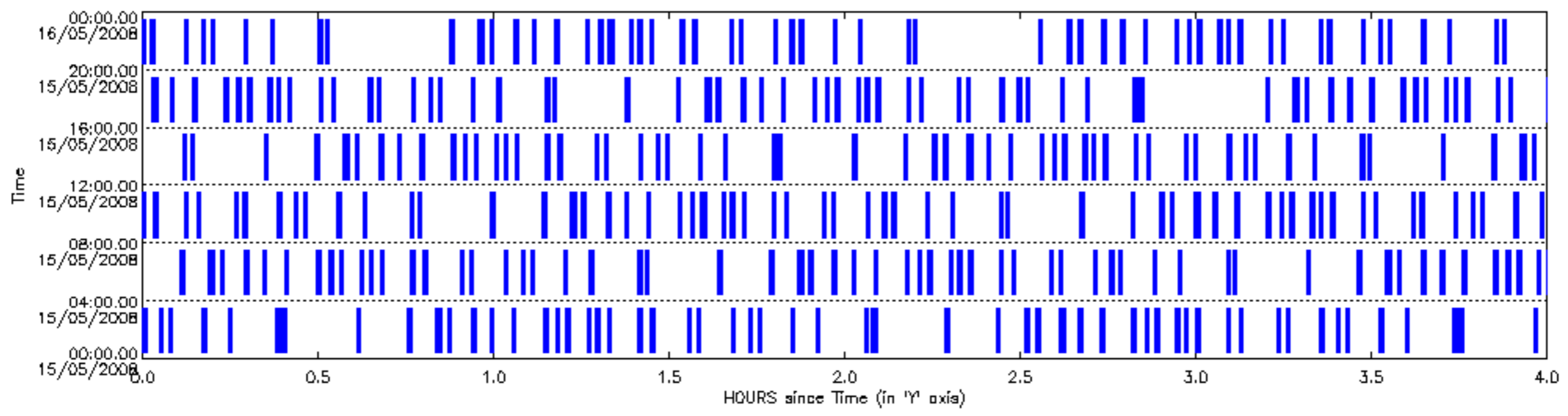
Lower curve: STD of SATU X axis

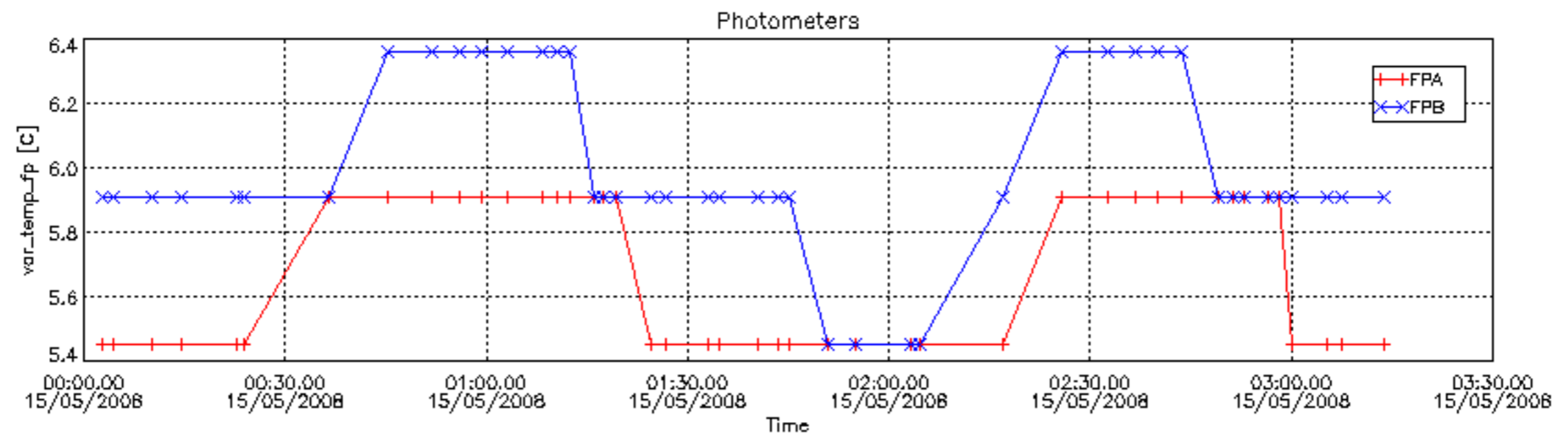
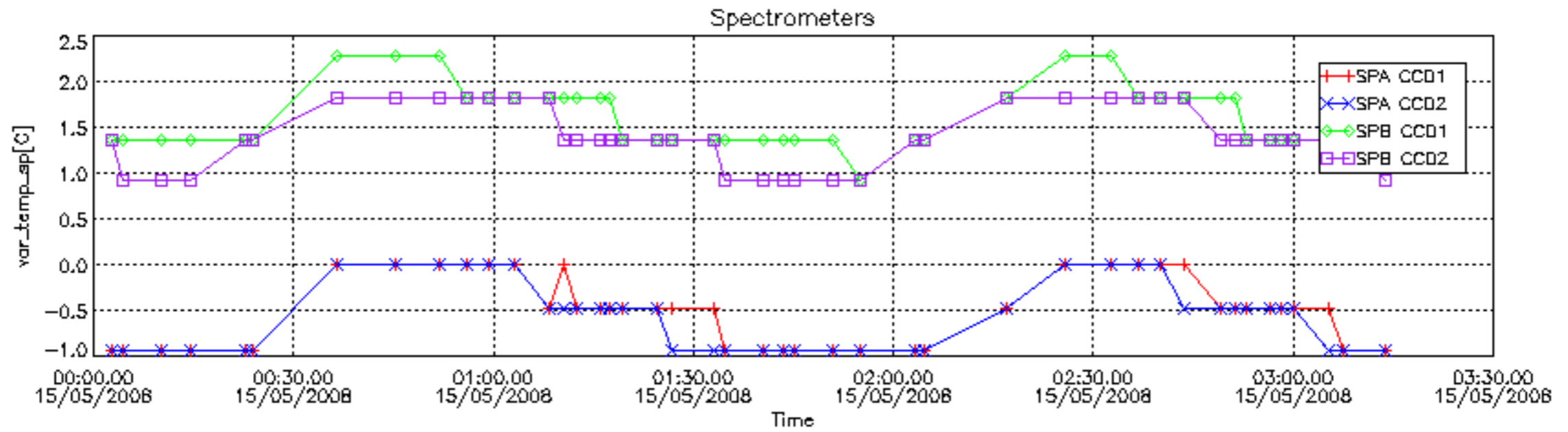


### 8. Auxiliary Data Files used for the production reported in section 2.4

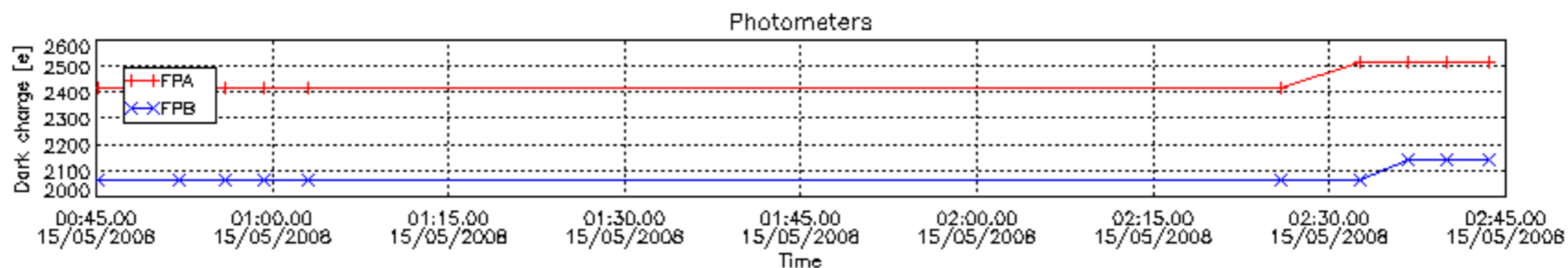
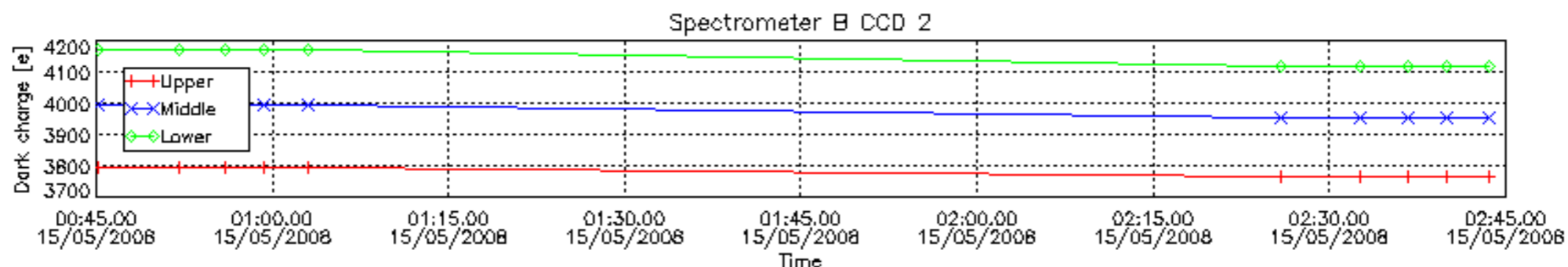
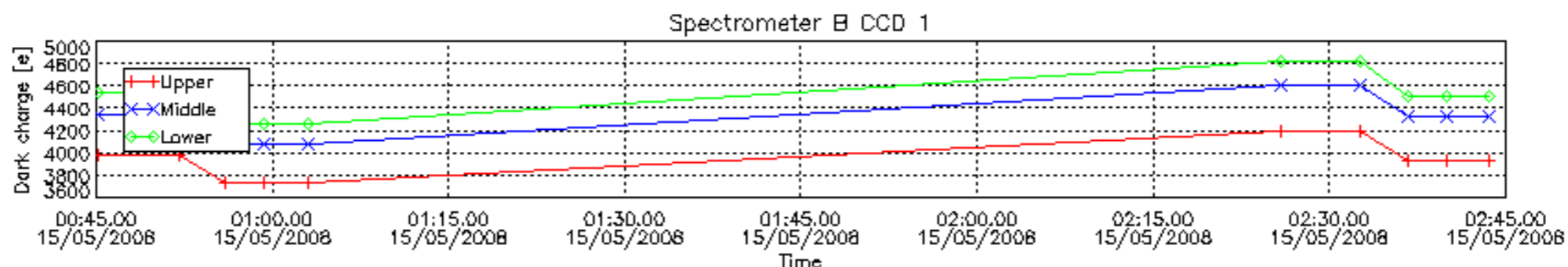
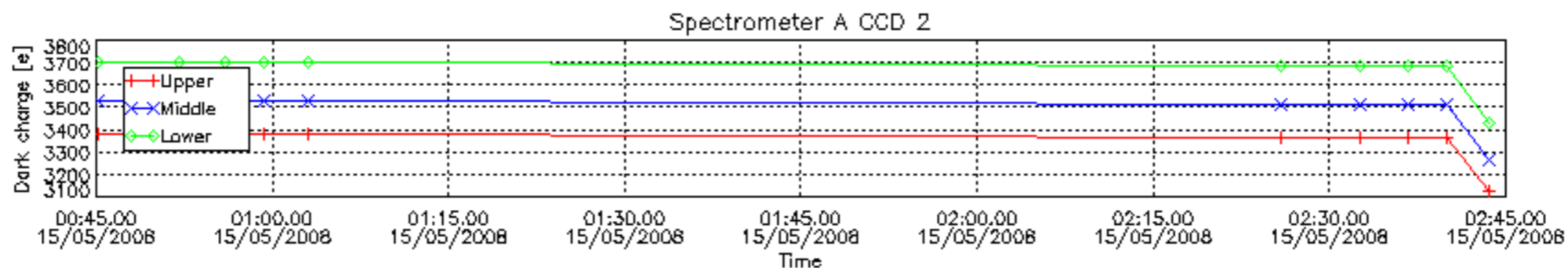
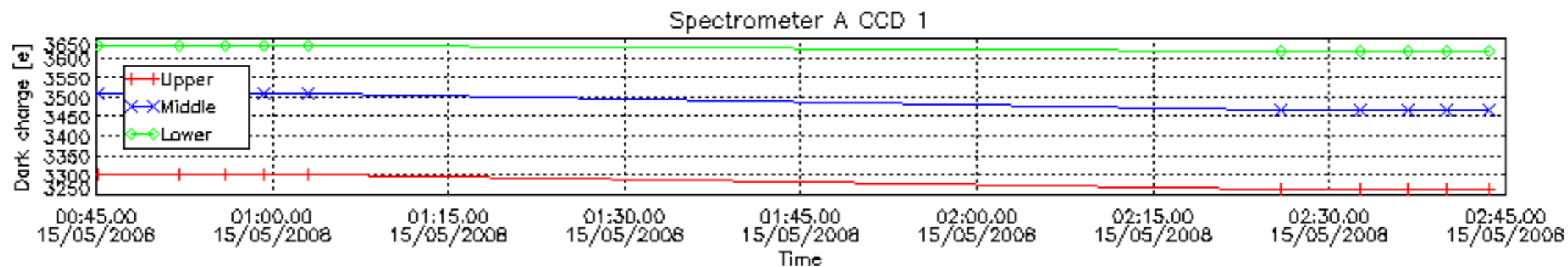
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	15-MAY-2008 00:02:52
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20080514_112535_20080512_000000_20100101_000000	1	15-MAY-2008 00:02:52
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	15-MAY-2008 00:02:52
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	15-MAY-2008 00:02:52
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	15-MAY-2008 00:02:52
ECMWF_FILE	AUX_ECF_AXNECM20080514_072114_20080514_210000_20080515_090000	1	15-MAY-2008 00:02:52
OPTIONAL_ECMWF_FILE	MISSING	1	15-MAY-2008 00:02:52
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080514_211709_000060572068_00329_32447_5532.N1	1	15-MAY-2008 00:02:52
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080514_230324_000057382068_00330_32448_5533.N1	8	15-MAY-2008 00:45:11
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080515_022000_000041442068_00332_32450_5555.N1	31	15-MAY-2008 02:25:47



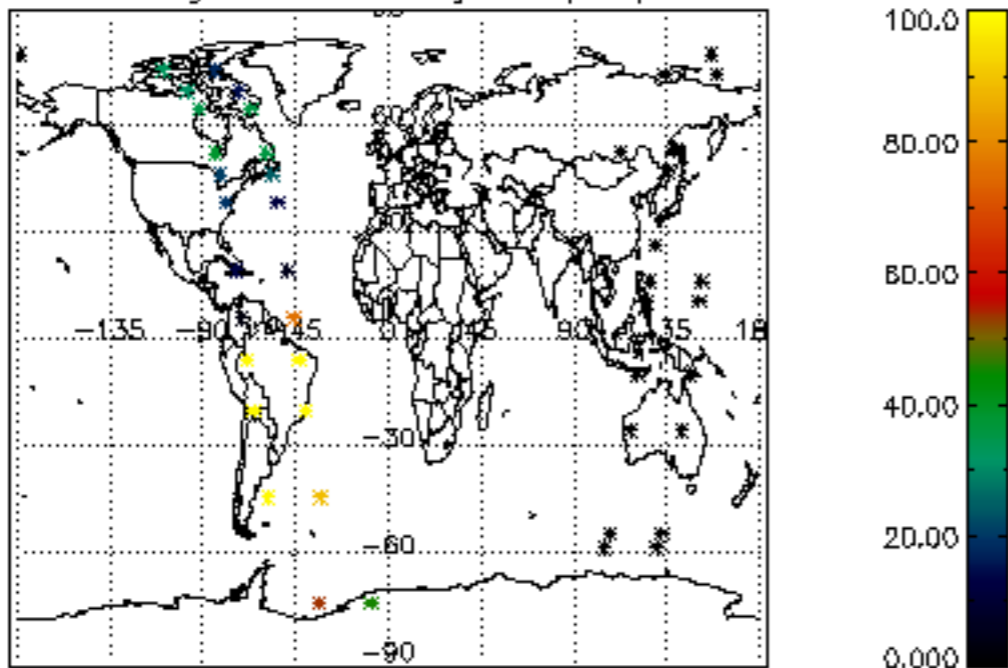




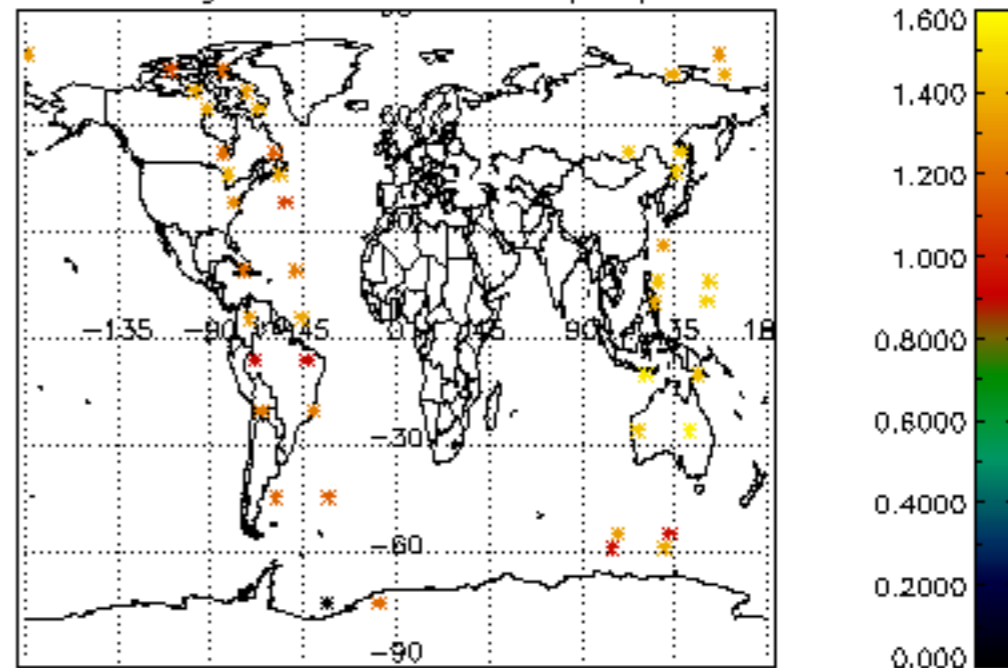




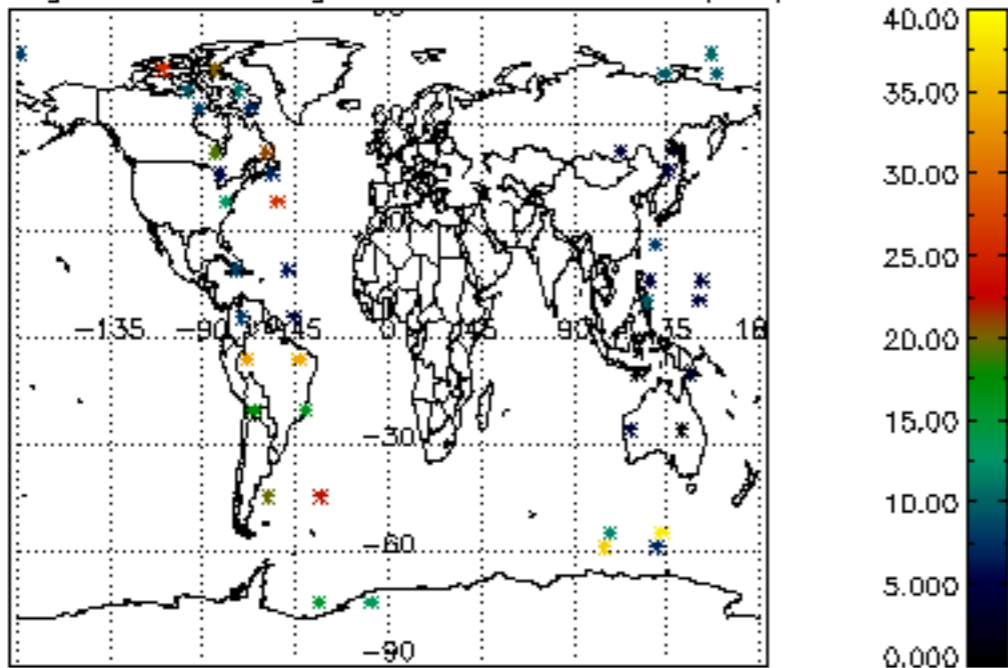
Percentage of cosmic ray hits per profile



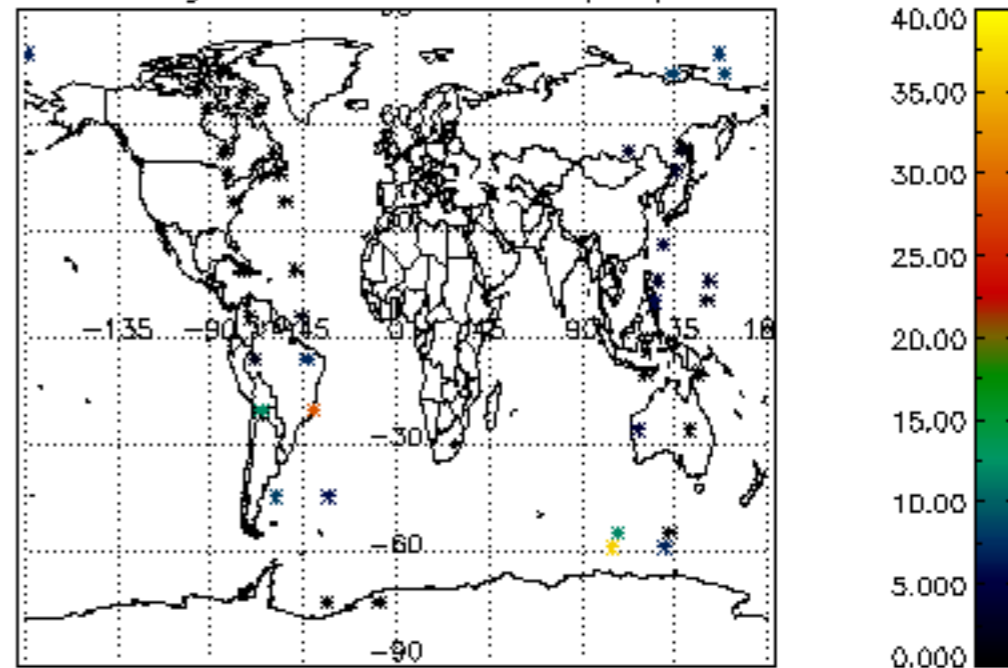
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

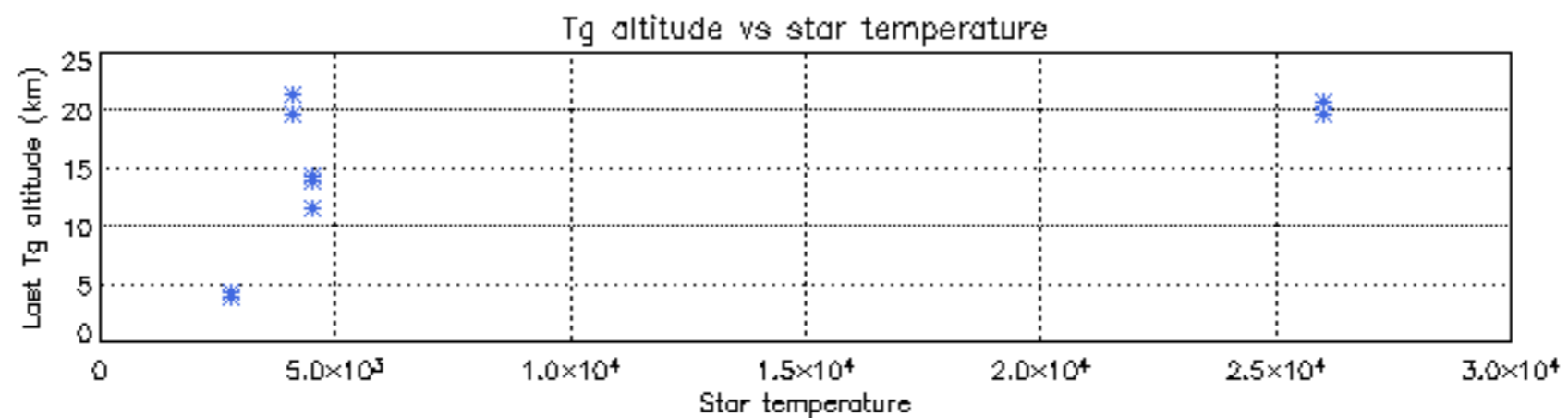
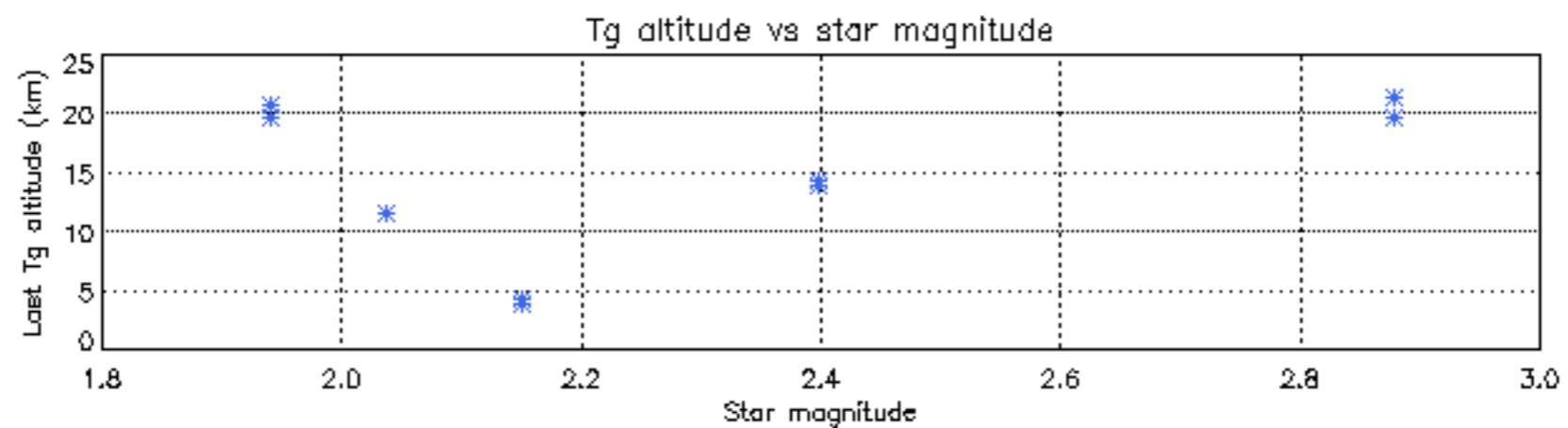
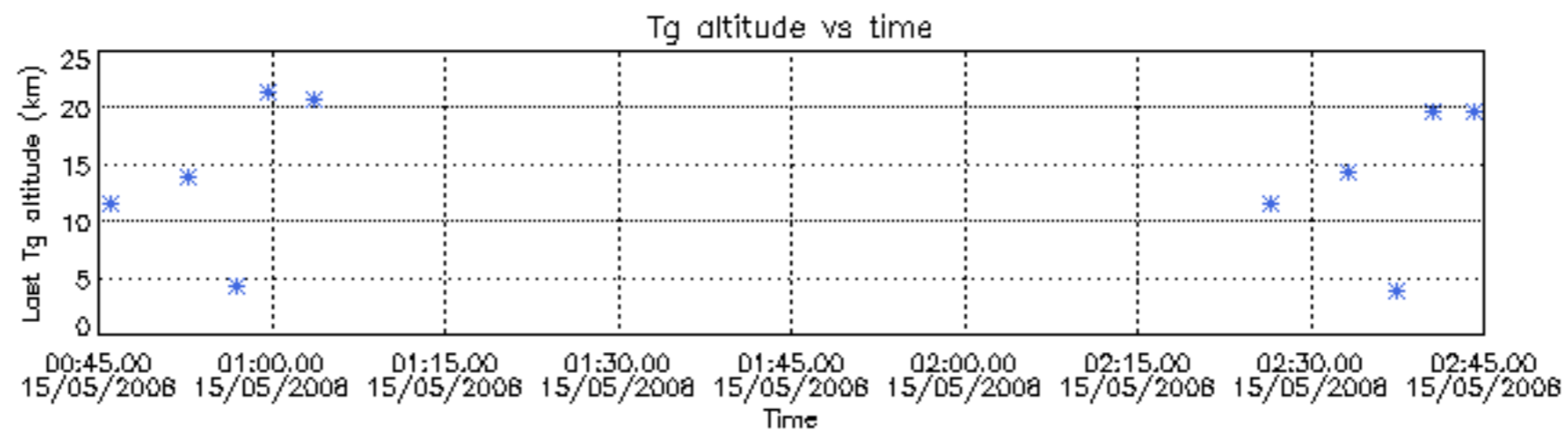


Percentage of saturation errors per profile

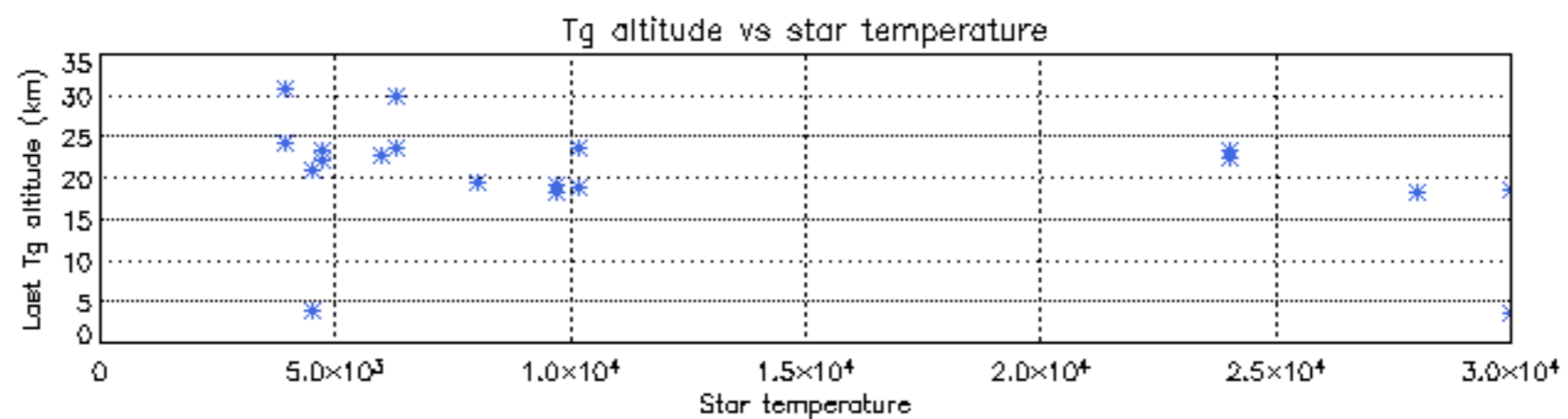
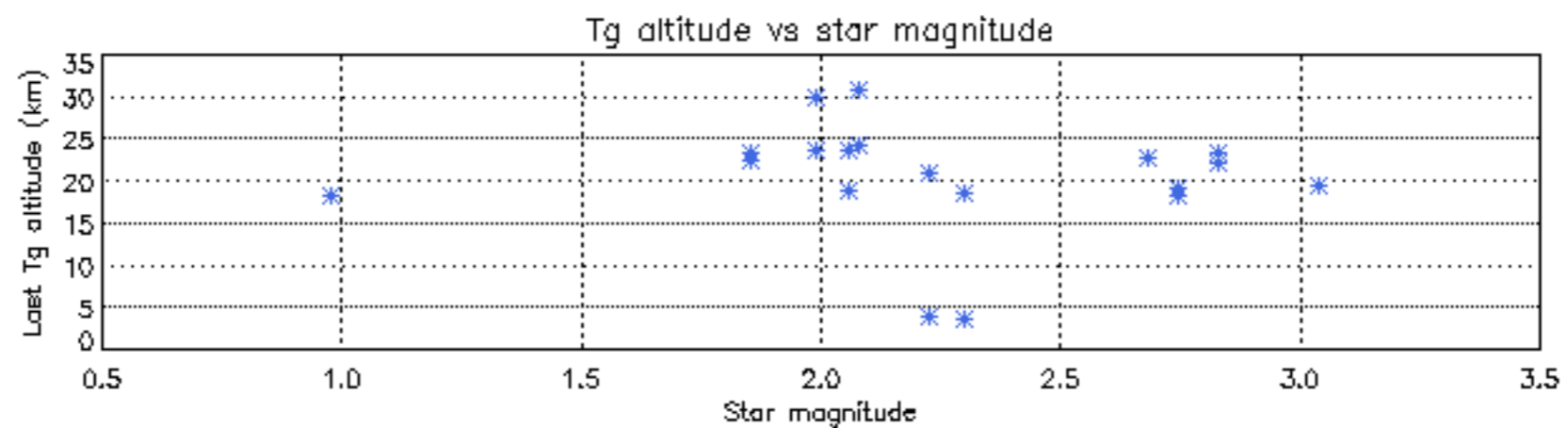
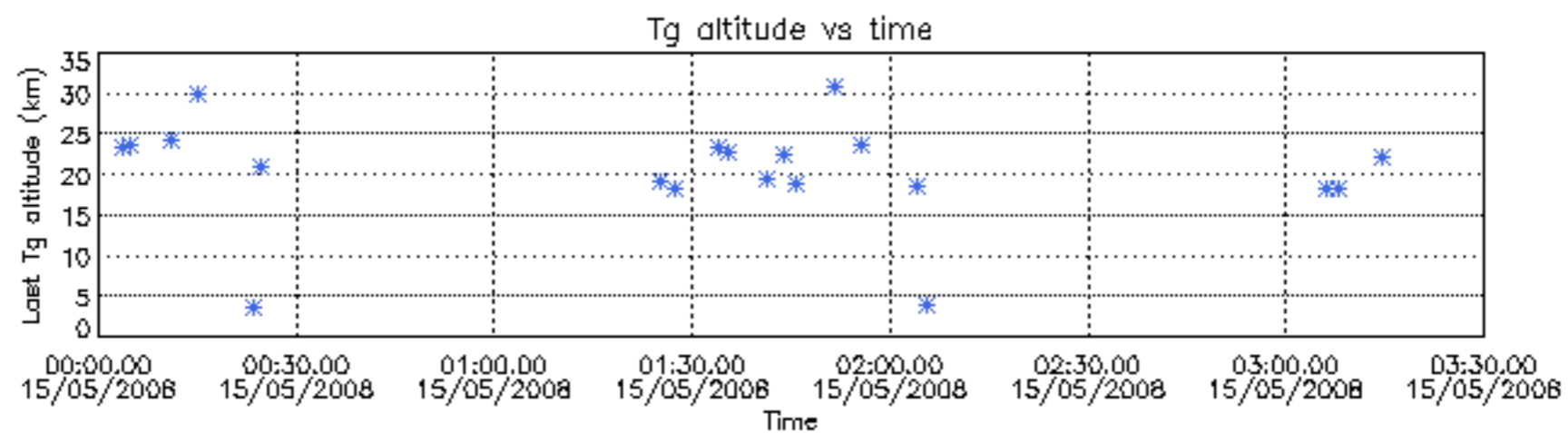




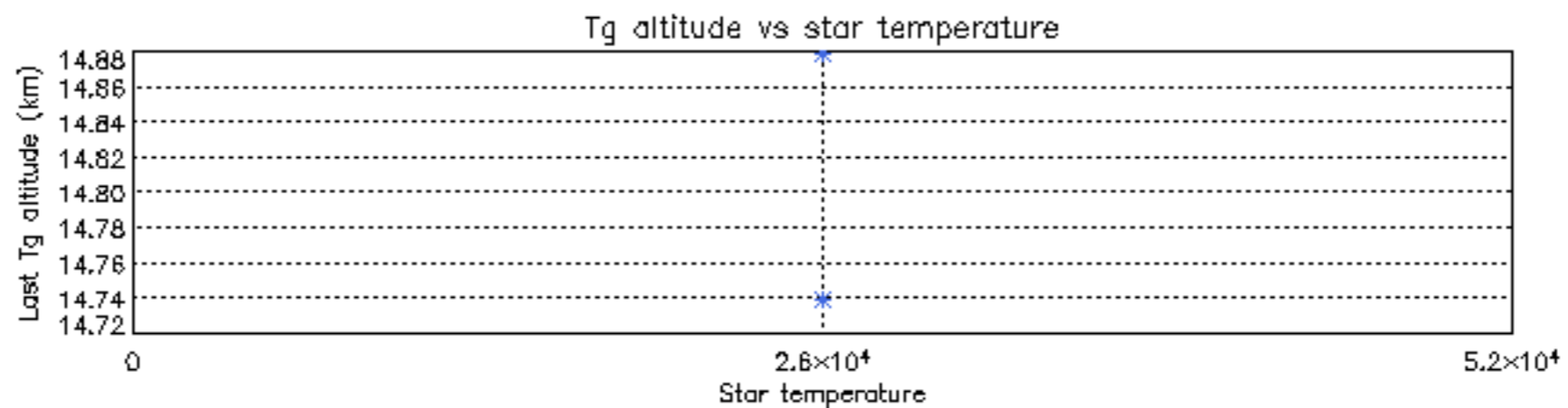
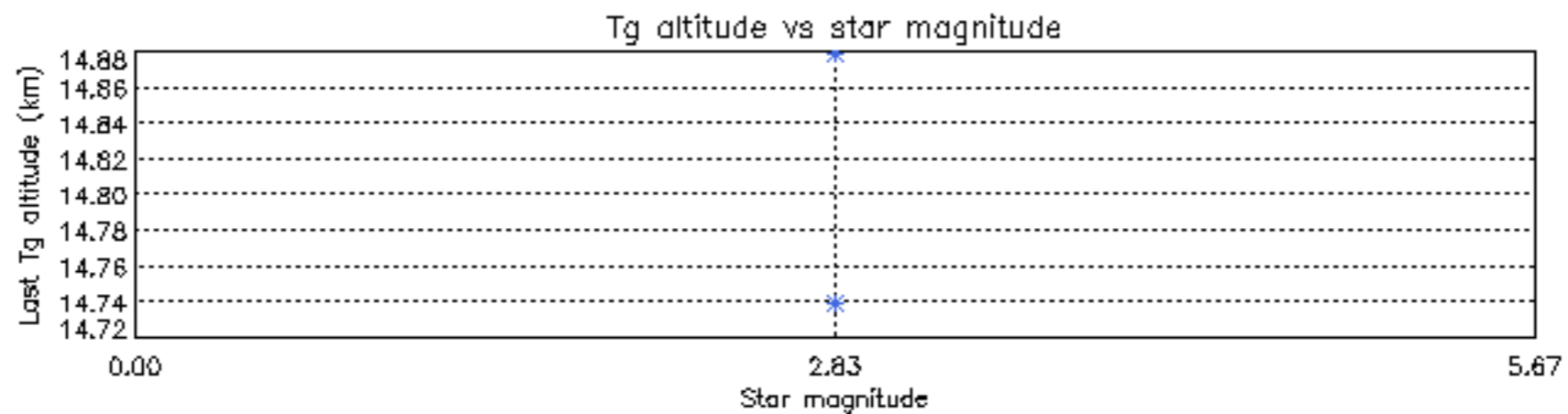
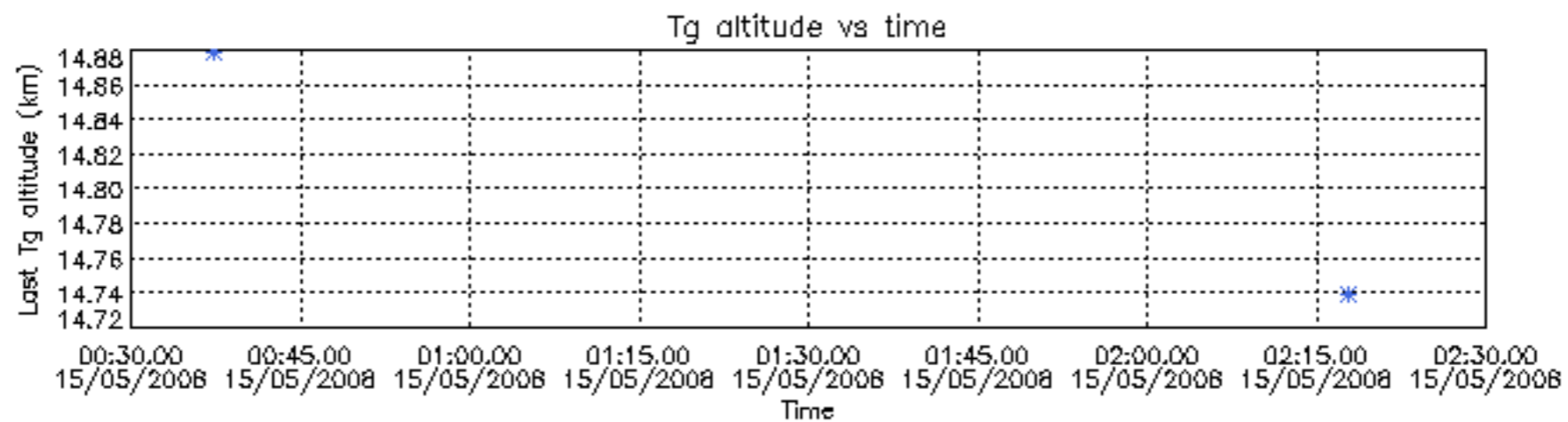
Tangent altitude at which the star is lost

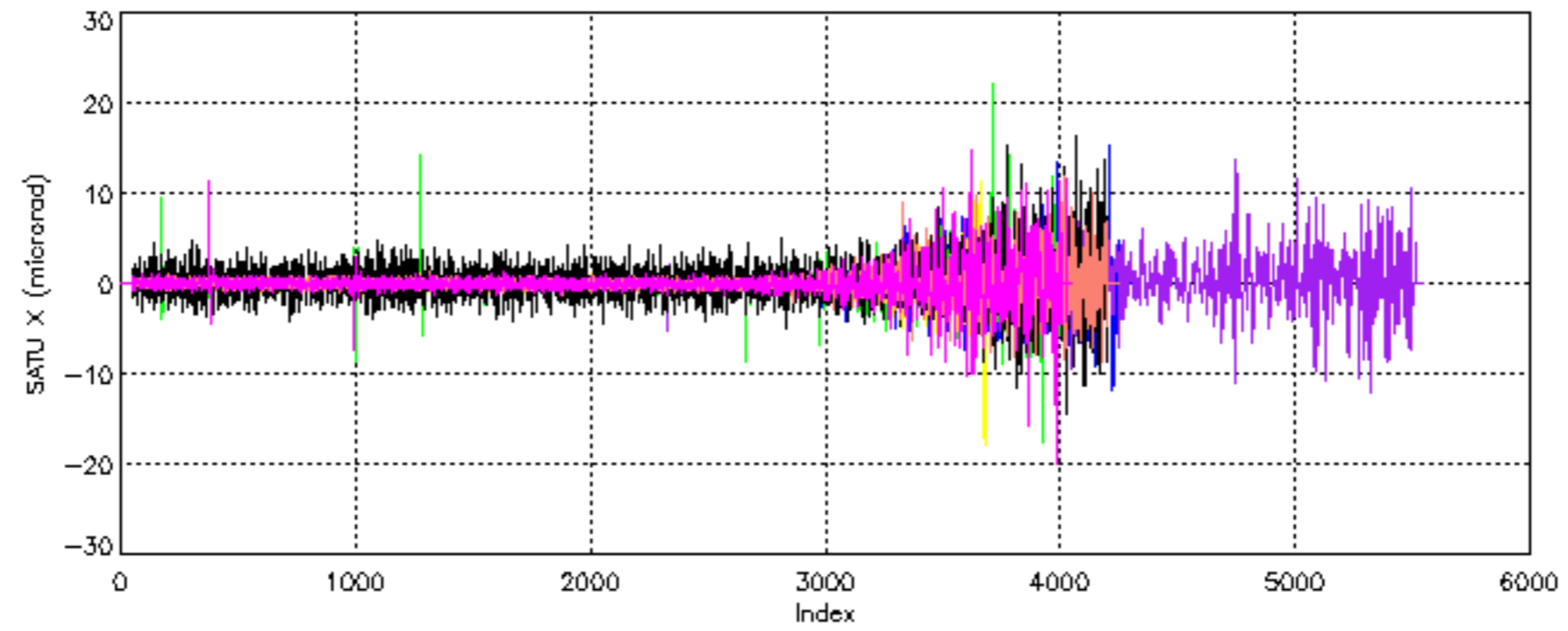


Tangent altitude at which the star is lost

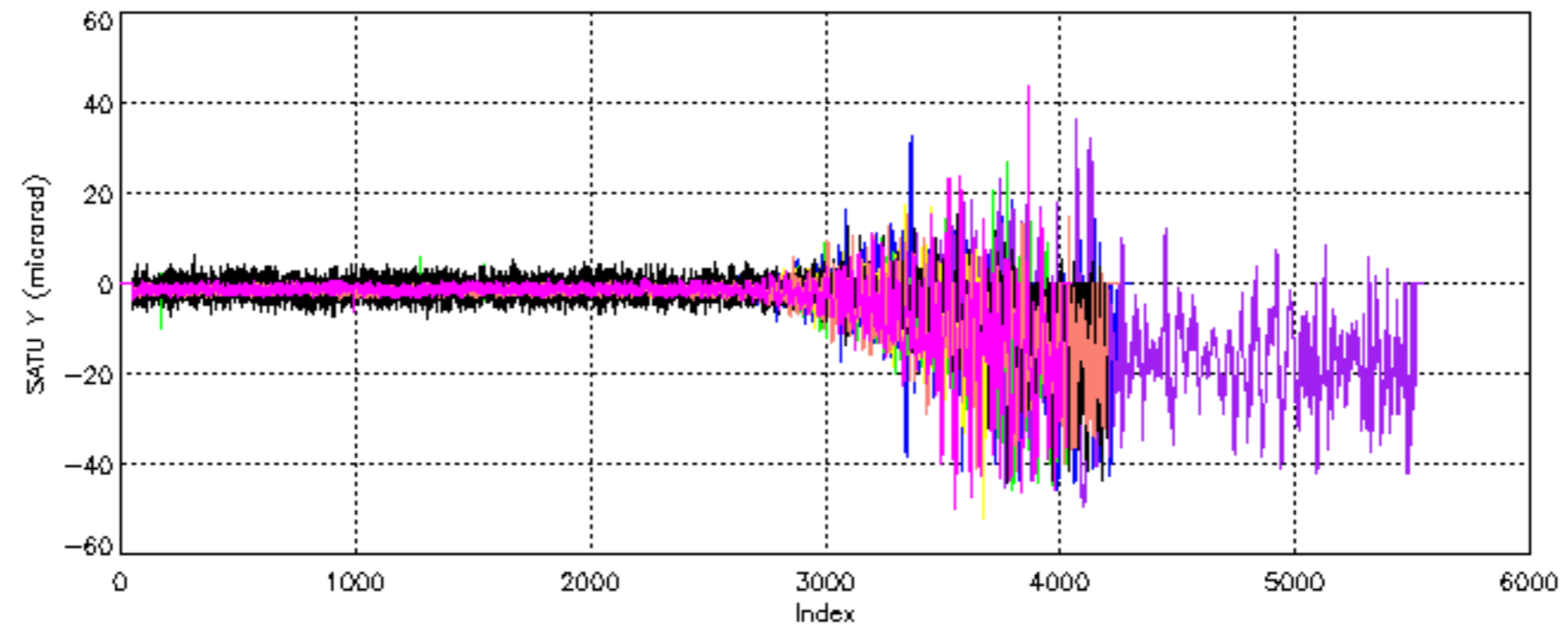


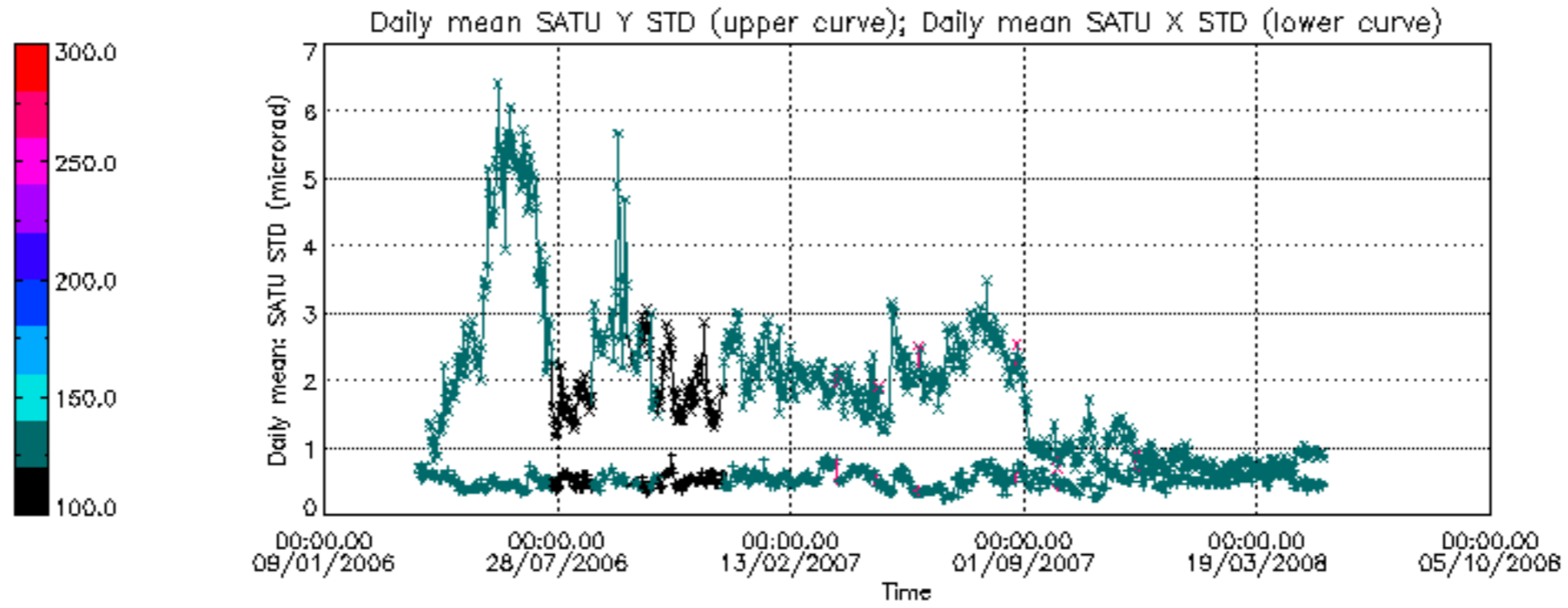
Tangent altitude at which the star is lost











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 4; -144.6; 01-MAY-2008 01:35:30; Dark ; 39.5; 31; Alp Gru ; 1.73; 15200;occ; 79; 0;32249  
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 7; 834.0; 01-MAY-2008 01:51:49; Dark ; 44.0; 4; Alp1Cen ; -0.01; 5800;occ; 88; 0;32250  
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 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  
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 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  
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 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  
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 26; 7201.9; 09-MAY-2008 16:11:01; Dark ; 39.0; 81; Eta Cen ; 2.36; 28000;occ; 78; 0;32372  
 27; 7320.4; 09-MAY-2008 16:13:00; Dark ; 3.0; 54; 5The Cen ; 2.06; 4500;occ; 6; 0;32372

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 3; 1605.3; 09-MAY-2008 16:18:20; Bright; 40.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 80; 0;32373  
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 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  
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 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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 15; 4500.9; 09-MAY-2008 17:06:36; Bright; 55.0; 58; 21Alp And ; 2.07; 11000;occ; 110; 0;32373  
 16; 4740.8; 09-MAY-2008 17:10:36; Dark ; 39.0; 140; 88Gam Peg ; 2.83; 26000;occ; 78; 0;32373  
 17; 5265.2; 09-MAY-2008 17:19:20; Dark ; 43.5; 52; 16Bet Cet ; 2.04; 4500;occ; 87; 0;32373  
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 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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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
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13; 3445.8; 09-MAY-2008 18:29:37; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32374
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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
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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
4; 1605.7; 09-MAY-2008 19:39:33; Bright; 40.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 80; 0;32375
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
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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
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19; 5618.4; 09-MAY-2008 20:46:26; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;32375
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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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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
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12; 1166.8; 10-MAY-2008 00:34:02; Dark ; 40.0; 81; Eta Cen ; 2.36; 28000;occ; 80; 0;32378
13; 1285.3; 10-MAY-2008 00:36:00; Dark ; 44.5; 54; 5The Cen ; 2.06; 4500;occ; 89; 0;32378

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15; 1731.1; 10-MAY-2008 00:43:26; Bright; 38.0; 15; 67Alp Vir ; 0.98; 28000;occ; 76; 0;32378
16; 2112.1; 10-MAY-2008 00:49:47; Bright; 34.5; 138; 47Eps Vir ; 2.83; 4700;occ; 69; 0;32378
17; 2221.2; 10-MAY-2008 00:51:36; Bright; 35.0; 111; 8Eta Boo ; 2.68; 6000;occ; 70; 0;32378
18; 2567.5; 10-MAY-2008 00:57:22; Bright; 33.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 67; 0;32378
19; 2749.4; 10-MAY-2008 01:00:24; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;32378
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22; 3194.6; 10-MAY-2008 01:07:49; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;32378
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
27; 4742.0; 10-MAY-2008 01:33:37; Dark ; 38.5; 140; 88Gam Peg ; 2.83; 26000;occ; 77; 0;32378
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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
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7;	310.2;	13-MAY-2008	23:53:53;	Dark	;	42.0;	45;	Alp Pav	;	1.94;	26000;occ;	84;	0;	32435
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11;	1089.5;	14-MAY-2008	00:06:52;	Dark	;	38.5;	78;	Alp Lup	;	2.30;	28000;occ;	77;	0;	32435
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13;	1296.4;	14-MAY-2008	00:10:19;	Dark	;	40.0;	54;	5The Cen	;	2.06;	4500;occ;	80;	0;	32435
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16;	2123.6;	14-MAY-2008	00:24:07;	Bright;	;	35.0;	138;	47Eps Vir	;	2.83;	4700;occ;	70;	0;	32435
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21;	3052.3;	14-MAY-2008	00:39:35;	Bright;	;	38.5;	36;	50Alp UMa	;	1.80;	6300;occ;	77;	0;	32435
22;	3186.5;	14-MAY-2008	00:41:49;	Bright;	;	38.0;	60;	7Bet UMi	;	2.08;	3950;occ;	76;	0;	32435
23;	3446.0;	14-MAY-2008	00:46:09;	Bright;	;	35.0;	49;	1Alp UMi	;	1.99;	6300;occ;	70;	0;	32435
24;	3937.4;	14-MAY-2008	00:54:20;	Bright;	;	45.0;	76;	27Gam Cas	;	2.30;	30000;occ;	90;	0;	32435
25;	4011.3;	14-MAY-2008	00:55:34;	Bright;	;	41.5;	68;	18Alp Cas	;	2.22;	4500;occ;	83;	0;	32435
26;	4757.1;	14-MAY-2008	01:08:00;	Dark	;	41.0;	140;	88Gam Peg	;	2.83;	26000;occ;	82;	0;	32435
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6;	-466.1;	13-MAY-2008	06:54:58;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	32424
7;	-349.1;	13-MAY-2008	06:56:55;	Dark	;	40.5;	84;	Alp Phe	;	2.40;	4500;occ;	81;	0;	32424
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11;	303.2;	13-MAY-2008	07:07:47;	Dark	;	41.0;	45;	Alp Pav	;	1.94;	26000;occ;	82;	0;	32425
12;	637.6;	13-MAY-2008	07:13:21;	Dark	;	41.0;	43;	Alp TrA	;	1.91;	4250;occ;	82;	0;	32425
13;	768.8;	13-MAY-2008	07:15:32;	Dark	;	37.5;	134;	Bet TrA	;	2.81;	6600;occ;	75;	0;	32425
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15;	1087.5;	13-MAY-2008	07:20:51;	Dark	;	38.0;	78;	Alp Lup	;	2.30;	28000;occ;	76;	0;	32425
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12;	4509.2;	13-MAY-2008	08:17:53;	Bright;	;	35.0;	58;	21Alp And	;	2.07;	11000;occ;	70;	0;	32425
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16;	5687.1;	13-MAY-2008	08:37:31;	Dark	;	41.5;	84;	Alp Phe	;	2.40;	4500;occ;	83;	0;	32425
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18;	6004.9;	13-MAY-2008	08:42:49;	Dark	;	40.5;	31;	Alp Gru	;	1.73;	15200;occ;	81;	0;	32425
19;	6120.0;	13-MAY-2008	08:44:44;	Dark	;	47.5;	148;	Alp Tuc	;	2.88;	4100;occ;	95;	0;	32425
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21; 3446.1; 15-MAY-2008 00:14:32; Bright; 32.0; 49; 1Alp UMi ; 1.99; 6300;occ; 64; 0;32449  
22; 3937.8; 15-MAY-2008 00:22:44; Bright; 53.0; 76; 27Gam Cas ; 2.30; 30000;occ; 106; 0;32449  
23; 4011.6; 15-MAY-2008 00:23:58; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;32449  
24; 4761.3; 15-MAY-2008 00:36:27; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;32449  
25; 5285.2; 15-MAY-2008 00:45:11; Dark ; 38.5; 52; 16Bet Cet ; 2.04; 4500;occ; 77; 0;32449

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2;-2024.5; 14-MAY-2008 07:37:58; Bright; 34.0; 68; 18Alp Cas ; 2.22; 4500;occ; 68; 0;32439  
3;-1277.4; 14-MAY-2008 07:50:25; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;32439  
4; -753.6; 14-MAY-2008 07:59:09; Dark ; 41.0; 52; 16Bet Cet ; 2.04; 4500;occ; 82; 0;32439  
5; -463.3; 14-MAY-2008 08:03:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32439  
6; -344.9; 14-MAY-2008 08:05:58; Dark ; 42.5; 84; Alp Phe ; 2.40; 4500;occ; 85; 0;32439  
7; -107.2; 14-MAY-2008 08:09:56; Dark ; 45.5; 63; Bet Gru ; 2.15; 2800;occ; 91; 0;32439  
8; -20.7; 14-MAY-2008 08:11:22; Dark ; 41.0; 31; Alp Gru ; 1.73; 15200;occ; 82; 0;32439  
9; 90.7; 14-MAY-2008 08:13:13; Dark ; 40.5; 148; Alp Tuc ; 2.88; 4100;occ; 81; 0;32440  
10; 313.9; 14-MAY-2008 08:16:57; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32440  
11; 642.1; 14-MAY-2008 08:22:25; Dark ; 40.0; 43; Alp TrA ; 1.91; 4250;occ; 80; 0;32440  
12; 773.0; 14-MAY-2008 08:24:36; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;32440  
13; 877.0; 14-MAY-2008 08:26:20; Dark ; 42.5; 4; Alp1Cen ;-0.01; 5800;occ; 85; 0;32440  
14; 1090.8; 14-MAY-2008 08:29:54; Dark ; 39.0; 78; Alp Lup ; 2.30; 28000;occ; 78; 0;32440  
15; 1181.4; 14-MAY-2008 08:31:24; Dark ; 39.0; 81; Eta Cen ; 2.36; 28000;occ; 78; 0;32440  
16; 1297.4; 14-MAY-2008 08:33:20; Dark ; 39.5; 54; 5The Cen ; 2.06; 4500;occ; 79; 0;32440  
17; 1613.8; 14-MAY-2008 08:38:37; Bright; 37.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 74; 0;32440

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2; 1741.9; 14-MAY-2008 08:40:45; Bright; 36.5; 15; 67Alp Vir ; 0.98; 28000;occ; 73; 0;32440  
3; 2124.9; 14-MAY-2008 08:47:08; Bright; 35.0; 138; 47Eps Vir ; 2.83; 4700;occ; 70; 0;32440  
4; 2222.0; 14-MAY-2008 08:48:45; Bright; 36.0; 111; 8Eta Boo ; 2.68; 6000;occ; 72; 0;32440  
5; 2574.4; 14-MAY-2008 08:54:37; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;32440  
6; 2745.8; 14-MAY-2008 08:57:29; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;32440  
7; 2841.1; 14-MAY-2008 08:59:04; Bright; 37.0; 55; 79Zet UMa ; 2.06; 10200;occ; 74; 0;32440  
8; 3054.2; 14-MAY-2008 09:02:37; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;32440  
9; 3185.9; 14-MAY-2008 09:04:49; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;32440  
10; 3446.1; 14-MAY-2008 09:09:09; Bright; 32.0; 49; 1Alp UMi ; 1.99; 6300;occ; 64; 0;32440  
11; 3937.7; 14-MAY-2008 09:17:20; Bright; 36.5; 76; 27Gam Cas ; 2.30; 30000;occ; 73; 0;32440  
12; 4011.4; 14-MAY-2008 09:18:34; Bright; 44.5; 68; 18Alp Cas ; 2.22; 4500;occ; 89; 0;32440  
13; 4758.7; 14-MAY-2008 09:31:01; Dark ; 41.0; 140; 88Gam Peg ; 2.83; 26000;occ; 82; 0;32440  
14; 5282.5; 14-MAY-2008 09:39:45; Dark ; 43.5; 52; 16Bet Cet ; 2.04; 4500;occ; 87; 0;32440  
15; 5572.7; 14-MAY-2008 09:44:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32440  
16; 5691.2; 14-MAY-2008 09:46:34; Dark ; 40.0; 84; Alp Phe ; 2.40; 4500;occ; 80; 0;32440  
17; 5929.4; 14-MAY-2008 09:50:32; Dark ; 41.0; 63; Bet Gru ; 2.15; 2800;occ; 82; 0;32440  
18; 6015.9; 14-MAY-2008 09:51:59; Dark ; 41.0; 31; Alp Gru ; 1.73; 15200;occ; 82; 0;32440  
19; 6127.0; 14-MAY-2008 09:53:50; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;32440  
20; 6350.4; 14-MAY-2008 09:57:33; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32440  
21; 6678.3; 14-MAY-2008 10:03:01; Dark ; 37.0; 43; Alp TrA ; 1.91; 4250;occ; 74; 0;32440  
22; 6809.3; 14-MAY-2008 10:05:12; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32440  
23; 6913.0; 14-MAY-2008 10:06:56; Dark ; 48.0; 4; Alp1Cen ;-0.01; 5800;occ; 96; 0;32440  
24; 7126.8; 14-MAY-2008 10:10:30; Dark ; 38.0; 78; Alp Lup ; 2.30; 28000;occ; 76; 0;32440  
25; 7217.5; 14-MAY-2008 10:12:00; Dark ; 37.5; 81; Eta Cen ; 2.36; 28000;occ; 75; 0;32440  
26; 7333.5; 14-MAY-2008 10:13:56; Dark ; 38.5; 54; 5The Cen ; 2.06; 4500;occ; 77; 0;32440  
27; 7649.7; 14-MAY-2008 10:19:12; Bright; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;32440

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 2; 2125.2; 14-MAY-2008 10:27:44; Bright; 36.0; 138; 47Eps Vir ; 2.83; 4700;occ; 72; 0;32441  
 3; 2221.9; 14-MAY-2008 10:29:20; Bright; 37.5; 111; 8Eta Boo ; 2.68; 6000;occ; 75; 0;32441  
 4; 2574.2; 14-MAY-2008 10:35:13; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;32441  
 5; 2745.8; 14-MAY-2008 10:38:04; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;32441  
 6; 2841.1; 14-MAY-2008 10:39:40; Bright; 35.5; 55; 79Zet UMa ; 2.06; 10200;occ; 71; 0;32441  
 7; 3054.5; 14-MAY-2008 10:43:13; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;32441  
 8; 3185.7; 14-MAY-2008 10:45:24; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32441  
 9; 3446.1; 14-MAY-2008 10:49:45; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;32441  
 10; 3937.7; 14-MAY-2008 10:57:56; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;32441  
 11; 4011.4; 14-MAY-2008 10:59:10; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;32441  
 12; 4759.0; 14-MAY-2008 11:11:38; Dark ; 40.0; 140; 88Gam Peg ; 2.83; 26000;occ; 80; 0;32441  
 13; 5282.8; 14-MAY-2008 11:20:21; Dark ; 42.0; 52; 16Bet Cet ; 2.04; 4500;occ; 84; 0;32441  
 14; 5572.9; 14-MAY-2008 11:25:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32441  
 15; 5691.5; 14-MAY-2008 11:27:10; Dark ; 46.0; 84; Alp Phe ; 2.40; 4500;occ; 92; 0;32441  
 16; 5930.0; 14-MAY-2008 11:31:09; Dark ; 57.0; 63; Bet Gru ; 2.15; 2800;occ; 114; 0;32441  
 17; 6016.7; 14-MAY-2008 11:32:35; Dark ; 41.0; 31; Alp Gru ; 1.73; 15200;occ; 82; 0;32441  
 18; 6127.5; 14-MAY-2008 11:34:26; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;32441  
 19; 6351.1; 14-MAY-2008 11:38:10; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32441  
 20; 6678.6; 14-MAY-2008 11:43:37; Dark ; 45.0; 43; Alp TrA ; 1.91; 4250;occ; 90; 0;32441  
 21; 6809.5; 14-MAY-2008 11:45:48; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;32441  
 22; 6913.1; 14-MAY-2008 11:47:32; Dark ; 44.0; 4; Alp1Cen ; -0.01; 5800;occ; 88; 0;32441  
 23; 7127.1; 14-MAY-2008 11:51:06; Dark ; 37.0; 78; Alp Lup ; 2.30; 28000;occ; 74; 0;32441  
 24; 7217.6; 14-MAY-2008 11:52:36; Dark ; 37.5; 81; Eta Cen ; 2.36; 28000;occ; 75; 0;32441  
 25; 7333.6; 14-MAY-2008 11:54:32; Dark ; 41.0; 54; 5The Cen ; 2.06; 4500;occ; 82; 0;32441

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1; 1614.0; 14-MAY-2008 11:59:48; Bright; 38.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 77; 0;32442  
 2; 1742.2; 14-MAY-2008 12:01:57; Bright; 37.5; 15; 67Alp Vir ; 0.98; 28000;occ; 75; 0;32442  
 3; 2125.4; 14-MAY-2008 12:08:20; Bright; 37.0; 138; 47Eps Vir ; 2.83; 4700;occ; 74; 0;32442  
 4; 2222.1; 14-MAY-2008 12:09:57; Bright; 35.5; 111; 8Eta Boo ; 2.68; 6000;occ; 71; 0;32442  
 5; 2574.1; 14-MAY-2008 12:15:49; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;32442  
 6; 2745.8; 14-MAY-2008 12:18:40; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;32442  
 7; 2841.1; 14-MAY-2008 12:20:16; Bright; 52.0; 55; 79Zet UMa ; 2.06; 10200;occ; 104; 0;32442  
 8; 3054.8; 14-MAY-2008 12:23:49; Bright; 33.0; 36; 50Alp UMa ; 1.80; 6300;occ; 66; 0;32442  
 9; 3185.6; 14-MAY-2008 12:26:00; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32442  
 10; 3446.2; 14-MAY-2008 12:30:21; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32442  
 11; 3937.7; 14-MAY-2008 12:38:32; Bright; 33.5; 76; 27Gam Cas ; 2.30; 30000;occ; 67; 0;32442  
 12; 4011.5; 14-MAY-2008 12:39:46; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;32442  
 13; 4759.3; 14-MAY-2008 12:52:14; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;32442  
 14; 5283.1; 14-MAY-2008 13:00:58; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32442  
 15; 5573.1; 14-MAY-2008 13:05:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32442  
 16; 5691.8; 14-MAY-2008 13:07:46; Dark ; 42.0; 84; Alp Phe ; 2.40; 4500;occ; 84; 0;32442  
 17; 5930.6; 14-MAY-2008 13:11:45; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;32442  
 18; 6017.4; 14-MAY-2008 13:13:12; Dark ; 35.0; 31; Alp Gru ; 1.73; 15200;occ; 70; 0;32442  
 19; 6128.0; 14-MAY-2008 13:15:02; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;32442  
 20; 6351.8; 14-MAY-2008 13:18:46; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32442  
 21; 6678.9; 14-MAY-2008 13:24:13; Dark ; 41.5; 43; Alp TrA ; 1.91; 4250;occ; 83; 0;32442  
 22; 6809.9; 14-MAY-2008 13:26:24; Dark ; 36.0; 134; Bet TrA ; 2.81; 6600;occ; 72; 0;32442  
 23; 6913.4; 14-MAY-2008 13:28:08; Dark ; 43.5; 4; Alp1Cen ; -0.01; 5800;occ; 87; 0;32442  
 24; 7127.4; 14-MAY-2008 13:31:42; Dark ; 39.0; 78; Alp Lup ; 2.30; 28000;occ; 78; 0;32442  
 25; 7218.0; 14-MAY-2008 13:33:13; Dark ; 37.0; 81; Eta Cen ; 2.36; 28000;occ; 74; 0;32442  
 26; 7333.8; 14-MAY-2008 13:35:08; Dark ; 41.0; 54; 5The Cen ; 2.06; 4500;occ; 82; 0;32442

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1; 1614.2; 14-MAY-2008 13:40:25; Bright; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;32443  
 2; 1742.4; 14-MAY-2008 13:42:33; Bright; 38.0; 15; 67Alp Vir ; 0.98; 28000;occ; 76; 0;32443  
 3; 2125.8; 14-MAY-2008 13:48:56; Bright; 35.0; 138; 47Eps Vir ; 2.83; 4700;occ; 70; 0;32443  
 4; 2222.2; 14-MAY-2008 13:50:33; Bright; 34.0; 111; 8Eta Boo ; 2.68; 6000;occ; 68; 0;32443  
 5; 2574.0; 14-MAY-2008 13:56:24; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;32443  
 6; 2745.8; 14-MAY-2008 13:59:16; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;32443  
 7; 2841.3; 14-MAY-2008 14:00:52; Bright; 35.0; 55; 79Zet UMa ; 2.06; 10200;occ; 70; 0;32443  
 8; 3055.3; 14-MAY-2008 14:04:26; Bright; 33.0; 36; 50Alp UMa ; 1.80; 6300;occ; 66; 0;32443  
 9; 3185.6; 14-MAY-2008 14:06:36; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32443  
 10; 3446.2; 14-MAY-2008 14:10:57; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;32443  
 11; 3937.8; 14-MAY-2008 14:19:08; Bright; 53.0; 76; 27Gam Cas ; 2.30; 30000;occ; 106; 0;32443  
 12; 4011.6; 14-MAY-2008 14:20:22; Bright; 33.5; 68; 18Alp Cas ; 2.22; 4500;occ; 67; 0;32443  
 13; 4760.0; 14-MAY-2008 14:32:50; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;32443  
 14; 5283.5; 14-MAY-2008 14:41:34; Dark ; 42.0; 52; 16Bet Cet ; 2.04; 4500;occ; 84; 0;32443



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

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 2; 1614.3; 14-MAY-2008 15:21:01; Bright; 37.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 74; 0;32444  
 3; 1742.6; 14-MAY-2008 15:23:09; Bright; 37.5; 15; 67Alp Vir ; 0.98; 28000;occ; 75; 0;32444  
 4; 2125.9; 14-MAY-2008 15:29:32; Bright; 34.5; 138; 47Eps Vir ; 2.83; 4700;occ; 69; 0;32444  
 5; 2222.3; 14-MAY-2008 15:31:09; Bright; 34.5; 111; 8Eta Boo ; 2.68; 6000;occ; 69; 0;32444  
 6; 2573.8; 14-MAY-2008 15:37:00; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;32444  
 7; 2745.8; 14-MAY-2008 15:39:52; Bright; 33.5; 39; 85Eta UMa ; 1.85; 24000;occ; 67; 0;32444  
 8; 2841.3; 14-MAY-2008 15:41:28; Bright; 33.0; 55; 79Zet UMa ; 2.06; 10200;occ; 66; 0;32444  
 9; 3185.4; 14-MAY-2008 15:47:12; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32444  
 10; 3446.3; 14-MAY-2008 15:51:33; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32444  
 11; 3937.8; 14-MAY-2008 15:59:44; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;32444  
 12; 4011.5; 14-MAY-2008 16:00:58; Bright; 41.0; 68; 18Alp Cas ; 2.22; 4500;occ; 82; 0;32444  
 13; 4760.0; 14-MAY-2008 16:13:26; Dark ; 42.5; 140; 88Gam Peg ; 2.83; 26000;occ; 85; 0;32444  
 14; 5283.7; 14-MAY-2008 16:22:10; Dark ; 43.5; 52; 16Bet Cet ; 2.04; 4500;occ; 87; 0;32444  
 15; 5573.6; 14-MAY-2008 16:27:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32444  
 16; 5692.5; 14-MAY-2008 16:28:59; Dark ; 39.5; 84; Alp Phe ; 2.40; 4500;occ; 79; 0;32444  
 17; 5932.0; 14-MAY-2008 16:32:58; Dark ; 57.0; 63; Bet Gru ; 2.15; 2800;occ; 114; 0;32444  
 18; 6019.0; 14-MAY-2008 16:34:25; Dark ; 30.0; 31; Alp Gru ; 1.73; 15200;occ; 60; 0;32444  
 19; 6129.0; 14-MAY-2008 16:36:15; Dark ; 36.5; 148; Alp Tuc ; 2.88; 4100;occ; 73; 0;32444  
 20; 6353.3; 14-MAY-2008 16:40:00; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32444  
 21; 6679.6; 14-MAY-2008 16:45:26; Dark ; 38.5; 43; Alp TrA ; 1.91; 4250;occ; 77; 0;32444  
 22; 6810.5; 14-MAY-2008 16:47:37; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32444  
 23; 6913.9; 14-MAY-2008 16:49:20; Dark ; 41.5; 4; Alp1Cen ; -0.01; 5800;occ; 83; 0;32444  
 24; 7127.8; 14-MAY-2008 16:52:54; Dark ; 37.0; 78; Alp Lup ; 2.30; 28000;occ; 74; 0;32444  
 25; 7218.5; 14-MAY-2008 16:54:25; Dark ; 37.5; 81; Eta Cen ; 2.36; 28000;occ; 75; 0;32444

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1; 1182.5; 14-MAY-2008 16:54:25; Dark ; 38.0; 81; Eta Cen ; 2.36; 28000;occ; 76; 0;32445  
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 23; 7221.1; 15-MAY-2008 14:42:15; Dark ; 38.5; 81; Eta Cen ; 2.36; 28000;occ; 77; 0;32457  
 24; 7336.6; 15-MAY-2008 14:44:10; Dark ; 42.0; 54; 5The Cen ; 2.06; 4500;occ; 84; 0;32457

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 3; 2129.2; 15-MAY-2008 14:57:59; Bright; 35.0; 138; 47Eps Vir ; 2.83; 4700;occ; 70; 0;32458  
 4; 2222.8; 15-MAY-2008 14:59:32; Bright; 34.5; 111; 8Eta Boo ; 2.68; 6000;occ; 69; 0;32458  
 5; 2571.3; 15-MAY-2008 15:05:21; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;32458  
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 7; 2841.8; 15-MAY-2008 15:09:51; Bright; 35.5; 55; 79Zet UMa ; 2.06; 10200;occ; 71; 0;32458  
 8; 3183.5; 15-MAY-2008 15:15:33; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32458  
 9; 3446.3; 15-MAY-2008 15:19:56; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;32458  
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 13; 5288.1; 15-MAY-2008 15:50:37; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32458  
 14; 5576.4; 15-MAY-2008 15:55:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32458  
 15; 5696.7; 15-MAY-2008 15:57:26; Dark ; 39.0; 84; Alp Phe ; 2.40; 4500;occ; 78; 0;32458  
 16; 5940.9; 15-MAY-2008 16:01:30; Dark ; 57.0; 63; Bet Gru ; 2.15; 2800;occ; 114; 0;32458  
 17; 6135.7; 15-MAY-2008 16:04:45; Dark ; 37.5; 148; Alp Tuc ; 2.88; 4100;occ; 75; 0;32458  
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 19; 6683.8; 15-MAY-2008 16:13:53; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;32458  
 20; 6814.5; 15-MAY-2008 16:16:04; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;32458  
 21; 6916.3; 15-MAY-2008 16:17:46; Dark ; 46.0; 4; Alp1Cen ; -0.01; 5800;occ; 92; 0;32458  
 22; 7131.0; 15-MAY-2008 16:21:20; Dark ; 39.5; 78; Alp Lup ; 2.30; 28000;occ; 79; 0;32458  
 23; 7221.5; 15-MAY-2008 16:22:51; Dark ; 37.5; 81; Eta Cen ; 2.36; 28000;occ; 75; 0;32458  
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 4; 2129.6; 15-MAY-2008 16:38:35; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;32459  
 5; 2222.8; 15-MAY-2008 16:40:08; Bright; 34.5; 111; 8Eta Boo ; 2.68; 6000;occ; 69; 0;32459  
 6; 2571.1; 15-MAY-2008 16:45:56; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;32459  
 7; 2745.5; 15-MAY-2008 16:48:51; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;32459  
 8; 2841.8; 15-MAY-2008 16:50:27; Bright; 37.0; 55; 79Zet UMa ; 2.06; 10200;occ; 74; 0;32459



9; 3183.3; 15-MAY-2008 16:56:09; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;32459  
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 11; 3938.1; 15-MAY-2008 17:08:43; Bright; 53.0; 76; 27Gam Cas ; 2.30; 30000;occ; 106; 0;32459  
 12; 4011.7; 15-MAY-2008 17:09:57; Bright; 34.0; 68; 18Alp Cas ; 2.22; 4500;occ; 68; 0;32459  
 13; 4764.3; 15-MAY-2008 17:22:30; Dark ; 38.0; 140; 88Gam Peg ; 2.83; 26000;occ; 76; 0;32459  
 14; 5288.4; 15-MAY-2008 17:31:14; Dark ; 41.0; 52; 16Bet Cet ; 2.04; 4500;occ; 82; 0;32459  
 15; 5576.7; 15-MAY-2008 17:36:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32459  
 16; 5696.9; 15-MAY-2008 17:38:02; Dark ; 39.0; 84; Alp Phe ; 2.40; 4500;occ; 78; 0;32459  
 17; 5941.6; 15-MAY-2008 17:42:07; Dark ; 57.0; 63; Bet Gru ; 2.15; 2800;occ; 114; 0;32459  
 18; 6136.2; 15-MAY-2008 17:45:21; Dark ; 45.0; 148; Alp Tuc ; 2.88; 4100;occ; 90; 0;32459  
 19; 6363.8; 15-MAY-2008 17:49:09; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32459  
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 22; 6916.4; 15-MAY-2008 17:58:22; Dark ; 48.5; 4; Alp1Cen ;-0.01; 5800;occ; 97; 0;32459  
 23; 7131.1; 15-MAY-2008 18:01:56; Dark ; 35.5; 78; Alp Lup ; 2.30; 28000;occ; 71; 0;32459

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 3; 1300.9; 15-MAY-2008 18:05:22; Dark ; 40.5; 54; 5The Cen ; 2.06; 4500;occ; 81; 0;32460  
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 5; 1745.7; 15-MAY-2008 18:12:47; Bright; 39.0; 15; 67Alp Vir ; 0.98; 28000;occ; 78; 0;32460  
 6; 2129.7; 15-MAY-2008 18:19:11; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;32460  
 7; 2223.0; 15-MAY-2008 18:20:44; Bright; 35.0; 111; 8Eta Boo ; 2.68; 6000;occ; 70; 0;32460  
 8; 2570.9; 15-MAY-2008 18:26:32; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;32460  
 9; 2745.5; 15-MAY-2008 18:29:27; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;32460  
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 12; 3446.1; 15-MAY-2008 18:41:07; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32460  
 13; 3938.0; 15-MAY-2008 18:49:19; Bright; 53.0; 76; 27Gam Cas ; 2.30; 30000;occ; 106; 0;32460  
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 18; 5942.1; 15-MAY-2008 19:22:43; Dark ; 46.0; 63; Bet Gru ; 2.15; 2800;occ; 92; 0;32460  
 19; 6136.6; 15-MAY-2008 19:25:58; Dark ; 40.0; 148; Alp Tuc ; 2.88; 4100;occ; 80; 0;32460  
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 22; 6814.8; 15-MAY-2008 19:37:16; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32460  
 23; 6916.6; 15-MAY-2008 19:38:58; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;32460

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 6; 649.1; 16-MAY-2008 00:36:54; Dark ; 46.0; 43; Alp TrA ; 1.91; 4250;occ; 92; 0;32464  
 7; 779.6; 16-MAY-2008 00:39:05; Dark ; 36.5; 134; Bet TrA ; 2.81; 6600;occ; 73; 0;32464  
 8; 881.0; 16-MAY-2008 00:40:46; Dark ; 51.0; 4; Alp1Cen ;-0.01; 5800;occ; 102; 0;32464  
 9; 1095.9; 16-MAY-2008 00:44:21; Dark ; 37.5; 78; Alp Lup ; 2.30; 28000;occ; 75; 0;32464  
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8; 780.0; 16-MAY-2008 02:19:41; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;32465
9; 881.2; 16-MAY-2008 02:21:22; Dark ; 47.5; 4; Alp1Cen ;-0.01; 5800;occ; 95; 0;32465
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22; 3182.6; 16-MAY-2008 04:40:19; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32466
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 6; 2745.6; 16-MAY-2008 12:56:02; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;32471
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 4; 2234.5; 17-MAY-2008 13:56:30; Bright; 37.5; 3; 16Alp Boo ;-0.05; 4250;occ; 75; 0;32486  
 5; 2378.5; 17-MAY-2008 13:58:54; Bright; 55.0; 83; ; 2.38; 11000;occ; 110; 0;32486  
 6; 2745.6; 17-MAY-2008 14:05:01; Bright; 33.0; 39; 85Eta UMa ; 1.85; 24000;occ; 66; 0;32486  
 7; 3080.0; 17-MAY-2008 14:10:35; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;32486  
 8; 3180.3; 17-MAY-2008 14:12:16; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;32486  
 9; 3446.5; 17-MAY-2008 14:16:42; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32486  
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 12; 4519.4; 17-MAY-2008 14:34:35; Dark ; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;32486  
 13; 4772.4; 17-MAY-2008 14:38:48; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;32486  
 14; 5297.4; 17-MAY-2008 14:47:33; Dark ; 46.0; 52; 16Bet Cet ; 2.04; 4500;occ; 92; 0;32486  
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 16; 5810.9; 17-MAY-2008 14:56:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32486  
 17; 5959.3; 17-MAY-2008 14:58:35; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;32486  
 18; 6051.1; 17-MAY-2008 15:00:06; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;32486  
 19; 6149.2; 17-MAY-2008 15:01:45; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;32486  
 20; 6382.8; 17-MAY-2008 15:05:38; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32486  
 21; 6808.5; 17-MAY-2008 15:12:44; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;32486  
 22; 6965.9; 17-MAY-2008 15:15:21; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;32486  
 23; 7077.7; 17-MAY-2008 15:17:13; Dark ; 35.0; 25; 35Lam Sco ; 1.62; 28000;occ; 70; 0;32486  
 24; 7213.3; 17-MAY-2008 15:19:29; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;32486  
 25; 7395.2; 17-MAY-2008 15:22:31; Dark ; 18.0; 16; 21Alp Sco ; 1.02; 3000;occ; 36; 0;32486

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 5; 2040.2; 17-MAY-2008 15:33:52; Bright; 42.5; 102; 24Alp Ser ; 2.60; 4250;occ; 85; 0;32487  
 6; 2234.5; 17-MAY-2008 15:37:06; Bright; 35.0; 3; 16Alp Boo ;-0.05; 4250;occ; 70; 0;32487  
 7; 2378.4; 17-MAY-2008 15:39:30; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32487  
 8; 2567.1; 17-MAY-2008 15:42:38; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;32487  
 9; 2745.6; 17-MAY-2008 15:45:37; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;32487  
 10; 3079.6; 17-MAY-2008 15:51:11; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32487  
 11; 3180.2; 17-MAY-2008 15:52:51; Bright; 33.5; 60; 7Bet UMi ; 2.08; 3950;occ; 67; 0;32487  
 12; 3446.4; 17-MAY-2008 15:57:18; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32487  
 13; 3938.4; 17-MAY-2008 16:05:30; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;32487  
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 17; 5297.7; 17-MAY-2008 16:28:09; Dark ; 42.0; 52; 16Bet Cet ; 2.04; 4500;occ; 84; 0;32487  
 18; 5704.0; 17-MAY-2008 16:34:55; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;32487  
 19; 5811.5; 17-MAY-2008 16:36:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32487  
 20; 5960.0; 17-MAY-2008 16:39:11; Dark ; 48.0; 63; Bet Gru ; 2.15; 2800;occ; 96; 0;32487  
 21; 6052.1; 17-MAY-2008 16:40:43; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;32487  
 22; 6149.9; 17-MAY-2008 16:42:21; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;32487  
 23; 6383.6; 17-MAY-2008 16:46:15; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32487  
 24; 6809.2; 17-MAY-2008 16:53:21; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;32487  
 25; 6966.6; 17-MAY-2008 16:55:58; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;32487  
 26; 7078.4; 17-MAY-2008 16:57:50; Dark ; 38.0; 25; 35Lam Sco ; 1.62; 28000;occ; 76; 0;32487  
 27; 7213.8; 17-MAY-2008 17:00:05; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;32487

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 4; 1620.1; 17-MAY-2008 17:07:27; Bright; 38.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 76; 0;32488  
 5; 1729.1; 17-MAY-2008 17:09:16; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;32488  
 6; 2040.0; 17-MAY-2008 17:14:27; Bright; 42.5; 102; 24Alp Ser ; 2.60; 4250;occ; 85; 0;32488  
 7; 2234.5; 17-MAY-2008 17:17:42; Bright; 35.0; 3; 16Alp Boo ;-0.05; 4250;occ; 70; 0;32488  
 8; 2378.2; 17-MAY-2008 17:20:06; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;32488  
 9; 2566.9; 17-MAY-2008 17:23:14; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;32488  
 10; 2745.6; 17-MAY-2008 17:26:13; Bright; 34.5; 39; 85Eta UMa ; 1.85; 24000;occ; 69; 0;32488  
 11; 3079.1; 17-MAY-2008 17:31:46; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;32488  
 12; 3180.0; 17-MAY-2008 17:33:27; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32488  
 13; 3446.5; 17-MAY-2008 17:37:54; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;32488

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 15; 4011.7; 17-MAY-2008 17:47:19; Bright; 34.0; 68; 18Alp Cas ; 2.22; 4500;occ; 68; 0;32488  
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 17; 4773.5; 17-MAY-2008 18:00:01; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;32488  
 18; 5298.1; 17-MAY-2008 18:08:45; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;32488  
 19; 5704.8; 17-MAY-2008 18:15:32; Dark ; 49.5; 18; 24Alp PsA ; 1.17; 9700;occ; 99; 0;32488  
 20; 5812.0; 17-MAY-2008 18:17:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32488  
 21; 5960.7; 17-MAY-2008 18:19:48; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;32488  
 22; 6052.8; 17-MAY-2008 18:21:20; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;32488  
 23; 6150.4; 17-MAY-2008 18:22:58; Dark ; 38.5; 148; Alp Tuc ; 2.88; 4100;occ; 77; 0;32488  
 24; 6384.3; 17-MAY-2008 18:26:52; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32488  
 25; 6809.6; 17-MAY-2008 18:33:57; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;32488  
 26; 6967.3; 17-MAY-2008 18:36:35; Dark ; 36.0; 40; The Sco ; 1.86; 7100;occ; 72; 0;32488

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 4; 1359.9; 17-MAY-2008 18:43:43; Dark ; 58.0; 16; 21Alp Sco ; 1.02; 3000;occ; 116; 0;32489  
 5; 1512.3; 17-MAY-2008 18:46:16; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;32489  
 6; 1620.0; 17-MAY-2008 18:48:03; Bright; 36.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 73; 0;32489  
 7; 1729.1; 17-MAY-2008 18:49:52; Bright; 39.0; 104; 27Bet Lib ; 2.61; 13100;occ; 78; 0;32489  
 8; 2039.8; 17-MAY-2008 18:55:03; Bright; 42.0; 102; 24Alp Ser ; 2.60; 4250;occ; 84; 0;32489  
 9; 2234.5; 17-MAY-2008 18:58:18; Bright; 36.0; 3; 16Alp Boo ; -0.05; 4250;occ; 72; 0;32489  
 10; 2378.2; 17-MAY-2008 19:00:42; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;32489  
 11; 2566.8; 17-MAY-2008 19:03:50; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;32489  
 12; 2745.7; 17-MAY-2008 19:06:49; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;32489  
 13; 3078.6; 17-MAY-2008 19:12:22; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;32489  
 14; 3180.0; 17-MAY-2008 19:14:03; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32489  
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 16; 3938.4; 17-MAY-2008 19:26:42; Bright; 33.5; 76; 27Gam Cas ; 2.30; 30000;occ; 67; 0;32489  
 17; 4011.7; 17-MAY-2008 19:27:55; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;32489  
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 19; 4773.2; 17-MAY-2008 19:40:37; Dark ; 42.5; 140; 88Gam Peg ; 2.83; 26000;occ; 85; 0;32489  
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 21; 5705.6; 17-MAY-2008 19:56:09; Dark ; 49.5; 18; 24Alp PsA ; 1.17; 9700;occ; 99; 0;32489  
 22; 5812.4; 17-MAY-2008 19:57:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32489  
 23; 5961.3; 17-MAY-2008 20:00:25; Dark ; 47.5; 63; Bet Gru ; 2.15; 2800;occ; 95; 0;32489  
 24; 6053.5; 17-MAY-2008 20:01:57; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;32489  
 25; 6150.8; 17-MAY-2008 20:03:34; Dark ; 41.0; 148; Alp Tuc ; 2.88; 4100;occ; 82; 0;32489  
 26; 6385.0; 17-MAY-2008 20:07:28; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32489  
 27; 6810.0; 17-MAY-2008 20:14:33; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;32489

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 5; 20.0; 18-MAY-2008 01:03:47; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;32493  
 6; 116.3; 18-MAY-2008 01:05:23; Dark ; 40.0; 148; Alp Tuc ; 2.88; 4100;occ; 80; 0;32493  
 7; 351.0; 18-MAY-2008 01:09:18; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32493  
 8; 775.5; 18-MAY-2008 01:16:22; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;32493  
 9; 933.6; 18-MAY-2008 01:19:01; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;32493  
 10; 1045.4; 18-MAY-2008 01:20:52; Dark ; 45.0; 25; 35Lam Sco ; 1.62; 28000;occ; 90; 0;32493  
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 16; 2038.7; 18-MAY-2008 01:37:26; Bright; 42.5; 102; 24Alp Ser ; 2.60; 4250;occ; 85; 0;32493  
 17; 2234.4; 18-MAY-2008 01:40:41; Bright; 35.0; 3; 16Alp Boo ; -0.05; 4250;occ; 70; 0;32493  
 18; 2377.4; 18-MAY-2008 01:43:04; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;32493  
 19; 2566.3; 18-MAY-2008 01:46:13; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;32493  
 20; 2745.6; 18-MAY-2008 01:49:13; Bright; 33.5; 39; 85Eta UMa ; 1.85; 24000;occ; 67; 0;32493  
 21; 3076.8; 18-MAY-2008 01:54:44; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32493  
 22; 3179.4; 18-MAY-2008 01:56:26; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32493  
 23; 3446.3; 18-MAY-2008 02:00:53; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;32493

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6; -326.9; 18-MAY-2008 02:38:36; Dark ; 48.5; 18; 24Alp PsA ; 1.17; 9700;occ; 97; 0;32493
7; -221.7; 18-MAY-2008 02:40:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32493
8; -71.9; 18-MAY-2008 02:42:51; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;32493
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11; 351.9; 18-MAY-2008 02:49:55; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32494
12; 776.1; 18-MAY-2008 02:56:59; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;32494
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14; 1046.0; 18-MAY-2008 03:01:29; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;32494
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22; 2377.5; 18-MAY-2008 03:23:40; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32494
23; 2566.3; 18-MAY-2008 03:26:49; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;32494
24; 2745.7; 18-MAY-2008 03:29:49; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;32494
25; 3076.4; 18-MAY-2008 03:35:19; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32494
26; 3179.3; 18-MAY-2008 03:37:02; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32494
27; 3446.4; 18-MAY-2008 03:41:29; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32494
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11; 784.3; 19-MAY-2008 07:27:18; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;32511

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 9; 3938.0; 19-MAY-2008 11:41:04; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;32513
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12; 4781.1; 19-MAY-2008 11:55:07; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;32513

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 15; 4782.0; 19-MAY-2008 15:16:19; Dark ; 41.5; 140; 88Gam Peg ; 2.83; 26000;occ; 83; 0;32515  
 16; 5307.9; 19-MAY-2008 15:25:05; Dark ; 41.5; 52; 16Bet Cet ; 2.04; 4500;occ; 83; 0;32515  
 17; 5728.6; 19-MAY-2008 15:32:06; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;32515  
 18; 5825.0; 19-MAY-2008 15:33:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32515  
 19; 5979.2; 19-MAY-2008 15:36:17; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;32515  
 20; 6074.3; 19-MAY-2008 15:37:52; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;32515  
 21; 6403.3; 19-MAY-2008 15:43:21; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32515  
 22; 6822.7; 19-MAY-2008 15:50:20; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;32515  
 23; 6983.6; 19-MAY-2008 15:53:01; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;32515  
 24; 7095.1; 19-MAY-2008 15:54:52; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;32515  
 25; 7225.6; 19-MAY-2008 15:57:03; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;32515

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3; 1623.8; 19-MAY-2008 16:04:17; Bright; 37.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 74; 0;32516  
 4; 1730.8; 19-MAY-2008 16:06:04; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;32516  
 5; 2033.9; 19-MAY-2008 16:11:07; Bright; 41.0; 102; 24Alp Ser ; 2.60; 4250;occ; 82; 0;32516  
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 7; 2374.6; 19-MAY-2008 16:16:48; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;32516  
 8; 2563.7; 19-MAY-2008 16:19:57; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;32516  
 9; 2746.5; 19-MAY-2008 16:23:00; Bright; 34.5; 39; 85Eta UMa ; 1.85; 24000;occ; 69; 0;32516  
 10; 3066.7; 19-MAY-2008 16:28:20; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32516  
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 12; 3446.6; 19-MAY-2008 16:34:40; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32516  
 13; 3938.3; 19-MAY-2008 16:42:52; Bright; 53.0; 76; 27Gam Cas ; 2.30; 30000;occ; 106; 0;32516  
 14; 4011.1; 19-MAY-2008 16:44:04; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;32516  
 15; 4524.4; 19-MAY-2008 16:52:38; Dark ; 42.5; 58; 21Alp And ; 2.07; 11000;occ; 85; 0;32516  
 16; 5308.2; 19-MAY-2008 17:05:41; Dark ; 42.5; 52; 16Bet Cet ; 2.04; 4500;occ; 85; 0;32516  
 17; 5729.5; 19-MAY-2008 17:12:43; Dark ; 59.0; 18; 24Alp PsA ; 1.17; 9700;occ; 118; 0;32516  
 18; 5825.6; 19-MAY-2008 17:14:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32516  
 19; 5979.8; 19-MAY-2008 17:16:53; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;32516  
 20; 6075.1; 19-MAY-2008 17:18:28; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;32516  
 21; 6404.0; 19-MAY-2008 17:23:57; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32516  
 22; 6823.1; 19-MAY-2008 17:30:56; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;32516  
 23; 6984.2; 19-MAY-2008 17:33:38; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;32516  
 24; 7095.7; 19-MAY-2008 17:35:29; Dark ; 7.5; 25; 35Lam Sco ; 1.62; 28000;occ; 15; 0;32516

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 7; 1730.8; 19-MAY-2008 17:46:40; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;32517  
 8; 2033.7; 19-MAY-2008 17:51:43; Bright; 41.0; 102; 24Alp Ser ; 2.60; 4250;occ; 82; 0;32517  
 9; 2235.2; 19-MAY-2008 17:55:05; Bright; 34.5; 3; 16Alp Boo ;-0.05; 4250;occ; 69; 0;32517  
 10; 2374.5; 19-MAY-2008 17:57:24; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;32517  
 11; 2563.6; 19-MAY-2008 18:00:33; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;32517  
 12; 2746.5; 19-MAY-2008 18:03:36; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;32517  
 13; 3066.4; 19-MAY-2008 18:08:56; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32517  
 14; 3177.0; 19-MAY-2008 18:10:46; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;32517  
 15; 3446.6; 19-MAY-2008 18:15:16; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32517  
 16; 3938.3; 19-MAY-2008 18:23:28; Bright; 33.5; 76; 27Gam Cas ; 2.30; 30000;occ; 67; 0;32517  
 17; 4011.0; 19-MAY-2008 18:24:40; Bright; 54.0; 68; 18Alp Cas ; 2.22; 4500;occ; 108; 0;32517  
 18; 4524.5; 19-MAY-2008 18:33:14; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;32517  
 19; 4782.6; 19-MAY-2008 18:37:32; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;32517  
 20; 5308.6; 19-MAY-2008 18:46:18; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;32517  
 21; 5730.4; 19-MAY-2008 18:53:20; Dark ; 51.0; 18; 24Alp PsA ; 1.17; 9700;occ; 102; 0;32517  
 22; 5826.0; 19-MAY-2008 18:54:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32517  
 23; 5980.5; 19-MAY-2008 18:57:30; Dark ; 48.0; 63; Bet Gru ; 2.15; 2800;occ; 96; 0;32517  
 24; 6075.8; 19-MAY-2008 18:59:05; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;32517  
 25; 6404.7; 19-MAY-2008 19:04:34; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32517  
 26; 6823.6; 19-MAY-2008 19:11:33; Dark ; 48.0; 141; Bet Ara ; 2.84; 4600;occ; 96; 0;32517  
 27; 6984.7; 19-MAY-2008 19:14:14; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;32517

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 3; 1190.5; 19-MAY-2008 19:18:16; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;32518  
 4; 1368.1; 19-MAY-2008 19:21:13; Dark ; 62.0; 16; 21Alp Sco ; 1.02; 3000;occ; 124; 0;32518  
 5; 1517.3; 19-MAY-2008 19:23:43; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;32518  
 6; 1624.2; 19-MAY-2008 19:25:30; Bright; 37.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 74; 0;32518  
 7; 1730.8; 19-MAY-2008 19:27:16; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;32518  
 8; 2033.5; 19-MAY-2008 19:32:19; Bright; 41.5; 102; 24Alp Ser ; 2.60; 4250;occ; 83; 0;32518  
 9; 2235.2; 19-MAY-2008 19:35:41; Bright; 36.0; 3; 16Alp Boo ;-0.05; 4250;occ; 72; 0;32518  
 10; 2374.3; 19-MAY-2008 19:38:00; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;32518  
 11; 2563.5; 19-MAY-2008 19:41:09; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;32518  
 12; 2746.5; 19-MAY-2008 19:44:12; Bright; 34.0; 39; 85Eta UMa ; 1.85; 24000;occ; 68; 0;32518  
 13; 3065.8; 19-MAY-2008 19:49:31; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;32518  
 14; 3176.9; 19-MAY-2008 19:51:22; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32518  
 15; 3446.6; 19-MAY-2008 19:55:52; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32518  
 16; 3938.1; 19-MAY-2008 20:04:03; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;32518  
 17; 4011.0; 19-MAY-2008 20:05:16; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;32518

18; 4524.7; 19-MAY-2008 20:13:50; Dark ; 45.5; 58; 21Alp And ; 2.07; 11000;occ; 91; 0;32518  
 19; 4782.9; 19-MAY-2008 20:18:08; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;32518  
 20; 5308.8; 19-MAY-2008 20:26:54; Dark ; 43.0; 52; 16Bet Cet ; 2.04; 4500;occ; 86; 0;32518  
 21; 5731.3; 19-MAY-2008 20:33:57; Dark ; 49.5; 18; 24Alp PsA ; 1.17; 9700;occ; 99; 0;32518  
 22; 5826.5; 19-MAY-2008 20:35:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32518  
 23; 5981.1; 19-MAY-2008 20:38:06; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;32518  
 24; 6076.5; 19-MAY-2008 20:39:42; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;32518  
 25; 6405.2; 19-MAY-2008 20:45:11; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32518  
 26; 6823.9; 19-MAY-2008 20:52:09; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;32518  
 27; 6985.1; 19-MAY-2008 20:54:50; Dark ; 17.5; 40; The Sco ; 1.86; 7100;occ; 35; 0;32518

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 2; -302.0; 20-MAY-2008 01:35:47; Dark ; 50.5; 18; 24Alp PsA ; 1.17; 9700;occ; 101; 0;32521  
 3; -208.0; 20-MAY-2008 01:37:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32521  
 4; -52.7; 20-MAY-2008 01:39:56; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;32521  
 5; 43.1; 20-MAY-2008 01:41:32; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;32522  
 6; 371.4; 20-MAY-2008 01:47:00; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32522  
 7; 789.3; 20-MAY-2008 01:53:58; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;32522  
 8; 950.9; 20-MAY-2008 01:56:40; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;32522  
 9; 1062.4; 20-MAY-2008 01:58:31; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;32522  
 10; 1192.1; 20-MAY-2008 02:00:41; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;32522  
 11; 1369.1; 20-MAY-2008 02:03:38; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;32522  
 12; 1517.9; 20-MAY-2008 02:06:07; Bright; 43.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 86; 0;32522  
 13; 1624.6; 20-MAY-2008 02:07:54; Bright; 36.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 73; 0;32522  
 14; 1731.1; 20-MAY-2008 02:09:40; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;32522  
 15; 2032.7; 20-MAY-2008 02:14:42; Bright; 41.0; 102; 24Alp Ser ; 2.60; 4250;occ; 82; 0;32522  
 16; 2235.3; 20-MAY-2008 02:18:04; Bright; 35.5; 3; 16Alp Boo ; -0.05; 4250;occ; 71; 0;32522  
 17; 2373.9; 20-MAY-2008 02:20:23; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;32522  
 18; 2563.1; 20-MAY-2008 02:23:32; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;32522  
 19; 2746.6; 20-MAY-2008 02:26:36; Bright; 49.5; 39; 85Eta UMa ; 1.85; 24000;occ; 99; 0;32522  
 20; 3064.1; 20-MAY-2008 02:31:53; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32522  
 21; 3176.4; 20-MAY-2008 02:33:45; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;32522  
 22; 3446.5; 20-MAY-2008 02:38:15; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32522  
 23; 3938.1; 20-MAY-2008 02:46:27; Bright; 23.0; 76; 27Gam Cas ; 2.30; 30000;occ; 46; 0;32522

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 4; -1251.5; 20-MAY-2008 03:00:33; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;32522  
 5; -725.5; 20-MAY-2008 03:09:19; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32522  
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 7; -207.4; 20-MAY-2008 03:17:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32522  
 8; -52.0; 20-MAY-2008 03:20:33; Dark ; 57.5; 63; Bet Gru ; 2.15; 2800;occ; 115; 0;32522  
 9; 44.0; 20-MAY-2008 03:22:09; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;32523  
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 11; 790.0; 20-MAY-2008 03:34:35; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;32523  
 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  
 15; 1369.5; 20-MAY-2008 03:44:14; Dark ; 62.0; 16; 21Alp Sco ; 1.02; 3000;occ; 124; 0;32523  
 16; 1517.9; 20-MAY-2008 03:46:43; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;32523  
 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  
 20; 2235.5; 20-MAY-2008 03:58:40; Bright; 34.5; 3; 16Alp Boo ; -0.05; 4250;occ; 69; 0;32523  
 21; 2373.9; 20-MAY-2008 04:00:59; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32523  
 22; 2563.1; 20-MAY-2008 04:04:08; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;32523  
 23; 2746.8; 20-MAY-2008 04:07:12; Bright; 34.5; 39; 85Eta UMa ; 1.85; 24000;occ; 69; 0;32523  
 24; 3063.9; 20-MAY-2008 04:12:29; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;32523  
 25; 3176.5; 20-MAY-2008 04:14:21; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32523  
 26; 3446.7; 20-MAY-2008 04:18:52; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;32523

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 3; -1510.5; 20-MAY-2008 04:36:50; Dark ; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;32523  
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8; -51.4; 20-MAY-2008 05:01:09; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;32523
9; 44.8; 20-MAY-2008 05:02:46; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;32524
10; 372.9; 20-MAY-2008 05:08:14; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32524
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13; 1063.6; 20-MAY-2008 05:19:44; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;32524
14; 1192.9; 20-MAY-2008 05:21:54; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;32524
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13; 4526.5; 20-MAY-2008 12:59:51; Dark ; 45.5; 58; 21Alp And ; 2.07; 11000;occ; 91; 0;32528
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23; 7102.4; 20-MAY-2008 13:42:47; Dark ; 54.0; 25; 35Lam Sco ; 1.62; 28000;occ; 108; 0;32528
24; 7230.9; 20-MAY-2008 13:44:55; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;32528
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13; 4010.9; 20-MAY-2008 14:31:51; Bright; 42.0; 68; 18Alp Cas ; 2.22; 4500;occ; 84; 0;32529

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 22; 6829.3; 20-MAY-2008 15:18:50; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;32529  
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 5; 2031.1; 20-MAY-2008 15:39:27; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;32530  
 6; 2235.7; 20-MAY-2008 15:42:52; Bright; 34.5; 3; 16Alp Boo ; -0.05; 4250;occ; 69; 0;32530  
 7; 2373.2; 20-MAY-2008 15:45:10; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;32530  
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 9; 2747.3; 20-MAY-2008 15:51:24; Bright; 34.0; 39; 85Eta UMa ; 1.85; 24000;occ; 68; 0;32530  
 10; 3061.0; 20-MAY-2008 15:56:37; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;32530  
 11; 3175.8; 20-MAY-2008 15:58:32; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32530  
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 22; 6414.0; 20-MAY-2008 16:52:30; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32530  
 23; 6829.7; 20-MAY-2008 16:59:26; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;32530  
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 7; 2235.8; 20-MAY-2008 17:23:28; Bright; 35.0; 3; 16Alp Boo ; -0.05; 4250;occ; 70; 0;32531  
 8; 2373.2; 20-MAY-2008 17:25:46; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;32531  
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 11; 3060.5; 20-MAY-2008 17:37:13; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32531  
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7; 2030.8; 20-MAY-2008 19:00:39; Bright; 41.0; 102; 24Alp Ser ; 2.60; 4250;occ; 82; 0;32532
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13; 3175.6; 20-MAY-2008 19:19:44; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32532
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5; -719.6; 21-MAY-2008 04:18:24; Dark ; 42.0; 52; 16Bet Cet ; 2.04; 4500;occ; 84; 0;32537
6; -287.1; 21-MAY-2008 04:25:37; Dark ; 50.0; 18; 24Alp PsA ; 1.17; 9700;occ; 100; 0;32537
7; -199.8; 21-MAY-2008 04:27:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32537
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9; 56.2; 21-MAY-2008 04:31:20; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;32538
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23; 3057.7; 21-MAY-2008 05:21:21; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32538
24; 3175.1; 21-MAY-2008 05:23:19; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32538
25; 3446.7; 21-MAY-2008 05:27:50; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32538
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5; -718.9; 21-MAY-2008 07:39:37; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32539
6; -198.7; 21-MAY-2008 07:48:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32539
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8; 58.0; 21-MAY-2008 07:52:34; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;32540
9; 384.2; 21-MAY-2008 07:58:00; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32540
10; 797.9; 21-MAY-2008 08:04:54; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32540
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13; 1199.4; 21-MAY-2008 08:11:35; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;32540
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4; 2236.3; 21-MAY-2008 08:28:52; Bright; 36.0; 3; 16Alp Boo ; -0.05; 4250;occ; 72; 0;32540
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7; 3056.8; 21-MAY-2008 08:42:33; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32540
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13; 4790.4; 21-MAY-2008 09:11:26; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;32540
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23; 7410.3; 21-MAY-2008 09:55:06; Dark ; 55.0; 16; 21Alp Sco ; 1.02; 3000;occ; 110; 0;32540
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3; 2236.3; 21-MAY-2008 10:09:28; Bright; 38.0; 3; 16Alp Boo ; -0.05; 4250;occ; 76; 0;32541
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6; 3056.3; 21-MAY-2008 10:23:08; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;32541
7; 3174.6; 21-MAY-2008 10:25:06; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;32541
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12; 4790.7; 21-MAY-2008 10:52:02; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;32541
13; 5317.9; 21-MAY-2008 11:00:50; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32541
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16; 6095.4; 21-MAY-2008 11:13:47; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;32541
17; 6421.6; 21-MAY-2008 11:19:13; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;32541

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 7; 3056.0; 21-MAY-2008 12:03:43; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;32542
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 9; 3446.7; 21-MAY-2008 12:10:14; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;32542
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13; 4791.2; 21-MAY-2008 12:32:39; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;32542
14; 5318.4; 21-MAY-2008 12:41:26; Dark ; 42.5; 52; 16Bet Cet ; 2.04; 4500;occ; 85; 0;32542
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 6; 1628.1; 21-MAY-2008 20:02:55; Bright; 37.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 74; 0;32547
 7; 1733.0; 21-MAY-2008 20:04:40; Bright; 36.5; 104; 27Bet Lib ; 2.61; 13100;occ; 73; 0;32547
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 4; 50.0; 21-MAY-2008 21:17:13; Dark ; 48.5; 172; Gam Gru ; 3.00; 13100;occ; 97; 0;32548
 5; 144.3; 21-MAY-2008 21:18:47; Dark ; 41.0; 148; Alp Tuc ; 2.88; 4100;occ; 82; 0;32548
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 9; 1076.9; 21-MAY-2008 21:34:20; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;32548
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9; 3174.4; 21-MAY-2008 15:26:54; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;32544
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7; 1842.8; 21-MAY-2008 18:25:54; Bright; 27.0; 120; 1Del Oph ; 2.73; 3200;occ; 54; 0;32546
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9; 2236.6; 21-MAY-2008 18:32:28; Bright; 35.0; 3; 16Alp Boo ;-0.05; 4250;occ; 70; 0;32546
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21; 2561.1; 22-MAY-2008 04:41:28; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;32552
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25; 3173.6; 22-MAY-2008 06:32:16; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32553
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13; 1080.3; 22-MAY-2008 07:37:59; Dark ; 50.5; 25; 35Lam Sco ; 1.62; 28000;occ; 101; 0;32554
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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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 22; 7116.9; 22-MAY-2008 09:18:36; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;32554  
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 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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1; -709.1; 22-MAY-2008 22:13:33; Dark ; 43.0; 52; 16Bet Cet ; 2.04; 4500;occ; 86; 0;32562  
 2; -186.5; 22-MAY-2008 22:22:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32562  
 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  
 15; 1841.1; 22-MAY-2008 22:56:03; Bright; 44.0; 120; 1Del Oph ; 2.73; 3200;occ; 88; 0;32563  
 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  
 18; 2560.5; 22-MAY-2008 23:08:03; Bright; 34.0; 180; 27Gam Boo ; 3.04; 8000;occ; 68; 0;32563  
 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  
 8; 974.7; 23-MAY-2008 00:22:13; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;32564  
 9; 1085.5; 23-MAY-2008 00:24:03; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;32564  
 10; 1208.6; 23-MAY-2008 00:26:07; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;32564  
 11; 1380.4; 23-MAY-2008 00:28:58; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32564  
 12; 1524.5; 23-MAY-2008 00:31:22; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;32564  
 13; 1630.6; 23-MAY-2008 00:33:09; Bright; 35.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 70; 0;32564  
 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  
 19; 3047.1; 23-MAY-2008 00:56:45; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32564  
 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
24; 7242.6; 22-MAY-2008 16:03:05; Dark ; 44.5; 75; 26Eps Sco ; 2.29; 4250;occ; 89; 0;32558
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 2; 1524.1; 22-MAY-2008 16:08:22; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;32559
 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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12; 3937.2; 22-MAY-2008 16:48:36; Bright; 34.0; 76; 27Gam Cas ; 2.30; 30000;occ; 68; 0;32559  
 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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 2; 1083.5; 22-MAY-2008 17:41:38; Dark ; 46.5; 25; 35Lam Sco ; 1.62; 28000;occ; 93; 0;32560  
 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  
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 12; 3048.8; 22-MAY-2008 18:14:23; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32560  
 13; 3173.1; 22-MAY-2008 18:16:27; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32560  
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 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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6; 401.9; 23-MAY-2008 01:53:16; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32565
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11; 810.1; 23-MAY-2008 05:21:16; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;32567
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 20; 3446.7; 24-MAY-2008 00:31:48; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;32578  
 21; 3936.6; 24-MAY-2008 00:39:58; Bright; 52.0; 76; 27Gam Cas ; 2.30; 30000;occ; 104; 0;32578  
 22; 4008.5; 24-MAY-2008 00:41:09; Bright; 54.5; 68; 18Alp Cas ; 2.22; 4500;occ; 109; 0;32578  
 23; 4382.4; 24-MAY-2008 00:47:23; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;32578  
 24; 4535.1; 24-MAY-2008 00:49:56; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;32578  
 25; 4804.2; 24-MAY-2008 00:54:25; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32578  
 26; 5333.9; 24-MAY-2008 01:03:15; Dark ; 39.5; 52; 16Bet Cet ; 2.04; 4500;occ; 79; 0;32578

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 2;-2026.8; 23-MAY-2008 06:14:35; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;32567  
 3;-1654.9; 23-MAY-2008 06:20:47; Bright; 48.0; 53; 43Bet And ; 2.05; 3300;occ; 96; 0;32567  
 4;-1502.8; 23-MAY-2008 06:23:19; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;32567  
 5;-1235.8; 23-MAY-2008 06:27:46; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;32567  
 6; -706.9; 23-MAY-2008 06:36:35; Dark ; 42.5; 52; 16Bet Cet ; 2.04; 4500;occ; 85; 0;32567  
 7; -183.8; 23-MAY-2008 06:45:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32567  
 8; -19.4; 23-MAY-2008 06:48:02; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;32567  
 9; 81.5; 23-MAY-2008 06:49:43; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;32568  
 10; 404.1; 23-MAY-2008 06:55:06; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32568  
 11; 810.6; 23-MAY-2008 07:01:52; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;32568  
 12; 977.0; 23-MAY-2008 07:04:39; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;32568  
 13; 1087.8; 23-MAY-2008 07:06:30; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;32568  
 14; 1210.1; 23-MAY-2008 07:08:32; Dark ; 50.5; 75; 26Eps Sco ; 2.29; 4250;occ; 101; 0;32568  
 15; 1381.6; 23-MAY-2008 07:11:23; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;32568  
 16; 1525.2; 23-MAY-2008 07:13:47; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;32568  
 17; 1631.4; 23-MAY-2008 07:15:33; Bright; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;32568  
 18; 1734.8; 23-MAY-2008 07:17:17; Bright; 28.5; 104; 27Bet Lib ; 2.61; 13100;occ; 57; 0;32568

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 2; 1840.6; 23-MAY-2008 07:19:02; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;32568  
 3; 2024.9; 23-MAY-2008 07:22:07; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32568  
 4; 2370.3; 23-MAY-2008 07:27:52; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;32568  
 5; 2560.4; 23-MAY-2008 07:31:02; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;32568  
 6; 3045.7; 23-MAY-2008 07:39:07; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32568  
 7; 3172.5; 23-MAY-2008 07:41:14; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32568  
 8; 3446.9; 23-MAY-2008 07:45:49; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;32568  
 9; 3937.0; 23-MAY-2008 07:53:59; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32568  
 10; 4009.2; 23-MAY-2008 07:55:11; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;32568  
 11; 4381.2; 23-MAY-2008 08:01:23; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;32568  
 12; 4533.5; 23-MAY-2008 08:03:55; Dark ; 45.5; 58; 21Alp And ; 2.07; 11000;occ; 91; 0;32568  
 13; 4800.6; 23-MAY-2008 08:08:22; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32568  
 14; 5329.5; 23-MAY-2008 08:17:11; Dark ; 45.5; 52; 16Bet Cet ; 2.04; 4500;occ; 91; 0;32568  
 15; 5736.3; 23-MAY-2008 08:23:58; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;32568  
 16; 5852.6; 23-MAY-2008 08:25:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32568  
 17; 6017.3; 23-MAY-2008 08:28:39; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;32568  
 18; 6118.2; 23-MAY-2008 08:30:20; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;32568  
 19; 6440.7; 23-MAY-2008 08:35:42; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32568  
 20; 6846.9; 23-MAY-2008 08:42:29; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;32568  
 21; 7013.4; 23-MAY-2008 08:45:15; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;32568  
 22; 7124.3; 23-MAY-2008 08:47:06; Dark ; 50.5; 25; 35Lam Sco ; 1.62; 28000;occ; 101; 0;32568  
 23; 7246.4; 23-MAY-2008 08:49:08; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;32568  
 24; 7417.8; 23-MAY-2008 08:52:00; Dark ; 58.0; 16; 21Alp Sco ; 1.02; 3000;occ; 116; 0;32568  
 25; 7561.5; 23-MAY-2008 08:54:23; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;32568  
 26; 7667.4; 23-MAY-2008 08:56:09; Bright; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;32568  
 27; 7770.8; 23-MAY-2008 08:57:53; Bright; 10.0; 104; 27Bet Lib ; 2.61; 13100;occ; 20; 0;32568

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1; 1734.9; 23-MAY-2008 08:57:53; Bright; 36.0; 104; 27Bet Lib ; 2.61; 13100;occ; 72; 0;32569  
 2; 1840.5; 23-MAY-2008 08:59:38; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;32569  
 3; 2024.7; 23-MAY-2008 09:02:42; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;32569  
 4; 2370.3; 23-MAY-2008 09:08:28; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32569  
 5; 2560.1; 23-MAY-2008 09:11:38; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;32569  
 6; 3045.3; 23-MAY-2008 09:19:43; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32569  
 7; 3172.4; 23-MAY-2008 09:21:50; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32569  
 8; 3446.7; 23-MAY-2008 09:26:24; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;32569  
 9; 3936.9; 23-MAY-2008 09:34:35; Bright; 36.0; 76; 27Gam Cas ; 2.30; 30000;occ; 72; 0;32569

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10; 4009.1; 23-MAY-2008 09:35:47; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;32569
11; 4381.3; 23-MAY-2008 09:41:59; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;32569
12; 4533.6; 23-MAY-2008 09:44:31; Dark ; 50.0; 58; 21Alp And ; 2.07; 11000;occ; 100; 0;32569
13; 4800.9; 23-MAY-2008 09:48:59; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;32569
14; 5329.9; 23-MAY-2008 09:57:48; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;32569
15; 5736.7; 23-MAY-2008 10:04:34; Dark ; 42.5; 84; Alp Phe ; 2.40; 4500;occ; 85; 0;32569
16; 5853.2; 23-MAY-2008 10:06:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32569
17; 6018.0; 23-MAY-2008 10:09:16; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;32569
18; 6119.1; 23-MAY-2008 10:10:57; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;32569
19; 6441.4; 23-MAY-2008 10:16:19; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32569
20; 6847.3; 23-MAY-2008 10:23:05; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;32569
21; 7014.0; 23-MAY-2008 10:25:52; Dark ; 51.0; 40; The Sco ; 1.86; 7100;occ; 102; 0;32569
22; 7124.7; 23-MAY-2008 10:27:42; Dark ; 50.0; 25; 35Lam Sco ; 1.62; 28000;occ; 100; 0;32569
23; 7246.8; 23-MAY-2008 10:29:44; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;32569
24; 7418.0; 23-MAY-2008 10:32:36; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32569
25; 7561.6; 23-MAY-2008 10:34:59; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;32569
26; 7667.4; 23-MAY-2008 10:36:45; Bright; 35.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 70; 0;32569

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1; 1735.1; 23-MAY-2008 10:38:29; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32570
2; 1840.3; 23-MAY-2008 10:40:14; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;32570
3; 2024.6; 23-MAY-2008 10:43:18; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32570
4; 2370.2; 23-MAY-2008 10:49:04; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;32570
5; 2560.1; 23-MAY-2008 10:52:14; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;32570
6; 3044.9; 23-MAY-2008 11:00:18; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32570
7; 3172.3; 23-MAY-2008 11:02:26; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32570
8; 3446.7; 23-MAY-2008 11:07:00; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32570
9; 3936.9; 23-MAY-2008 11:15:10; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32570
10; 4009.0; 23-MAY-2008 11:16:23; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;32570
11; 4381.4; 23-MAY-2008 11:22:35; Bright; 37.5; 53; 43Bet And ; 2.05; 3300;occ; 75; 0;32570
12; 4533.7; 23-MAY-2008 11:25:07; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;32570
13; 4801.2; 23-MAY-2008 11:29:35; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;32570
14; 5330.4; 23-MAY-2008 11:38:24; Dark ; 45.5; 52; 16Bet Cet ; 2.04; 4500;occ; 91; 0;32570
15; 5737.0; 23-MAY-2008 11:45:11; Dark ; 42.5; 84; Alp Phe ; 2.40; 4500;occ; 85; 0;32570
16; 5853.7; 23-MAY-2008 11:47:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32570
17; 6018.8; 23-MAY-2008 11:49:52; Dark ; 55.0; 63; Bet Gru ; 2.15; 2800;occ; 110; 0;32570
18; 6119.9; 23-MAY-2008 11:51:33; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;32570
19; 6442.1; 23-MAY-2008 11:56:56; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32570
20; 6847.7; 23-MAY-2008 12:03:41; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;32570
21; 7014.4; 23-MAY-2008 12:06:28; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;32570
22; 7125.2; 23-MAY-2008 12:08:19; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;32570
23; 7247.1; 23-MAY-2008 12:10:21; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;32570
24; 7418.3; 23-MAY-2008 12:13:12; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32570
25; 7561.7; 23-MAY-2008 12:15:35; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;32570
26; 7667.5; 23-MAY-2008 12:17:21; Bright; 30.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 61; 0;32570

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2; 1735.1; 23-MAY-2008 12:19:05; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32571
3; 1840.2; 23-MAY-2008 12:20:50; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;32571
4; 2024.5; 23-MAY-2008 12:23:54; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32571
5; 2370.2; 23-MAY-2008 12:29:40; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;32571
6; 2560.1; 23-MAY-2008 12:32:50; Bright; 34.0; 180; 27Gam Boo ; 3.04; 8000;occ; 68; 0;32571
7; 3044.5; 23-MAY-2008 12:40:54; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32571
8; 3172.2; 23-MAY-2008 12:43:02; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;32571
9; 3446.8; 23-MAY-2008 12:47:36; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32571
10; 3937.0; 23-MAY-2008 12:55:46; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32571
11; 4009.0; 23-MAY-2008 12:56:58; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;32571
12; 4381.7; 23-MAY-2008 13:03:11; Bright; 37.5; 53; 43Bet And ; 2.05; 3300;occ; 75; 0;32571
13; 4533.9; 23-MAY-2008 13:05:43; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;32571
14; 4801.6; 23-MAY-2008 13:10:11; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;32571
15; 5330.9; 23-MAY-2008 13:19:00; Dark ; 45.5; 52; 16Bet Cet ; 2.04; 4500;occ; 91; 0;32571
16; 5737.5; 23-MAY-2008 13:25:47; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;32571
17; 5854.2; 23-MAY-2008 13:27:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32571
18; 6019.5; 23-MAY-2008 13:30:29; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;32571
19; 6120.8; 23-MAY-2008 13:32:10; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;32571
20; 6442.8; 23-MAY-2008 13:37:32; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32571
21; 6848.4; 23-MAY-2008 13:44:18; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;32571
22; 7015.0; 23-MAY-2008 13:47:04; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;32571
23; 7125.8; 23-MAY-2008 13:48:55; Dark ; 47.5; 25; 35Lam Sco ; 1.62; 28000;occ; 95; 0;32571

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24; 7247.5; 23-MAY-2008 13:50:57; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;32571
25; 7418.6; 23-MAY-2008 13:53:48; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32571
26; 7561.8; 23-MAY-2008 13:56:11; Bright; 38.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 77; 0;32571
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4; 1840.3; 23-MAY-2008 14:01:26; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;32572
5; 2024.4; 23-MAY-2008 14:04:30; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32572
6; 2370.3; 23-MAY-2008 14:10:16; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32572
7; 2560.1; 23-MAY-2008 14:13:25; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;32572
8; 3044.2; 23-MAY-2008 14:21:29; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32572
9; 3172.2; 23-MAY-2008 14:23:38; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32572
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11; 3937.0; 23-MAY-2008 14:36:22; Bright; 39.5; 76; 27Gam Cas ; 2.30; 30000;occ; 79; 0;32572
12; 4009.0; 23-MAY-2008 14:37:34; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;32572
13; 4381.8; 23-MAY-2008 14:43:47; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;32572
14; 4534.2; 23-MAY-2008 14:46:19; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;32572
15; 4802.2; 23-MAY-2008 14:50:47; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;32572
16; 5331.4; 23-MAY-2008 14:59:37; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;32572
17; 5738.0; 23-MAY-2008 15:06:23; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;32572
18; 5854.8; 23-MAY-2008 15:08:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32572
19; 6020.3; 23-MAY-2008 15:11:06; Dark ; 59.5; 63; Bet Gru ; 2.15; 2800;occ; 119; 0;32572
20; 6121.7; 23-MAY-2008 15:12:47; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;32572
21; 6443.5; 23-MAY-2008 15:18:09; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;32572
22; 6848.8; 23-MAY-2008 15:24:54; Dark ; 38.5; 141; Bet Ara ; 2.84; 4600;occ; 77; 0;32572
23; 7015.7; 23-MAY-2008 15:27:41; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;32572
24; 7126.3; 23-MAY-2008 15:29:32; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;32572
25; 7248.0; 23-MAY-2008 15:31:33; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;32572
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 5; 1094.0; 24-MAY-2008 03:13:47; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;32580
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 7; 1384.6; 24-MAY-2008 03:18:37; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32580
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6; 3171.2; 24-MAY-2008 13:51:59; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;32586
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8; 3936.6; 24-MAY-2008 14:04:45; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;32586
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13; 5337.7; 24-MAY-2008 14:28:06; Dark ; 43.5; 52; 16Bet Cet ; 2.04; 4500;occ; 87; 0;32586
14; 5862.6; 24-MAY-2008 14:36:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32586
15; 6030.9; 24-MAY-2008 14:39:39; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;32586
16; 6133.8; 24-MAY-2008 14:41:22; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;32586
17; 6453.4; 24-MAY-2008 14:46:42; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;32586
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21; 7253.1; 24-MAY-2008 15:00:01; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;32586
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3; 1736.4; 24-MAY-2008 15:08:41; Bright; 36.0; 104; 27Bet Lib ; 2.61; 13100;occ; 72; 0;32587
4; 1838.9; 24-MAY-2008 15:10:23; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;32587
5; 2022.4; 24-MAY-2008 15:13:27; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32587
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13; 4536.9; 24-MAY-2008 15:55:21; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;32587
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22; 7134.1; 24-MAY-2008 16:38:38; Dark ; 50.5; 25; 35Lam Sco ; 1.62; 28000;occ; 101; 0;32587
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2; 1386.7; 24-MAY-2008 16:43:27; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;32588
3; 1528.4; 24-MAY-2008 16:45:49; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;32588
4; 1736.4; 24-MAY-2008 16:49:17; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32588
5; 1838.8; 24-MAY-2008 16:50:59; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;32588
6; 2022.3; 24-MAY-2008 16:54:03; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32588

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8; 3038.1; 24-MAY-2008 17:10:58; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32588  
9; 3170.9; 24-MAY-2008 17:13:11; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32588  
10; 3685.8; 24-MAY-2008 17:21:46; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;32588  
11; 3936.3; 24-MAY-2008 17:25:57; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;32588  
12; 4008.1; 24-MAY-2008 17:27:08; Bright; 38.5; 68; 18Alp Cas ; 2.22; 4500;occ; 77; 0;32588  
13; 4383.7; 24-MAY-2008 17:33:24; Bright; 37.5; 53; 43Bet And ; 2.05; 3300;occ; 75; 0;32588  
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18; 6032.5; 24-MAY-2008 18:00:53; Dark ; 50.5; 63; Bet Gru ; 2.15; 2800;occ; 101; 0;32588  
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21; 6855.7; 24-MAY-2008 18:14:36; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32588  
22; 7024.2; 24-MAY-2008 18:17:24; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;32588  
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5; 1736.4; 24-MAY-2008 18:29:53; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;32589  
6; 1838.7; 24-MAY-2008 18:31:35; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;32589  
7; 2022.0; 24-MAY-2008 18:34:38; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32589  
8; 2369.3; 24-MAY-2008 18:40:26; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;32589  
9; 3037.6; 24-MAY-2008 18:51:34; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32589  
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21; 6455.4; 24-MAY-2008 19:48:32; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32589  
22; 6856.0; 24-MAY-2008 19:55:12; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;32589  
23; 7024.6; 24-MAY-2008 19:58:01; Dark ; 26.5; 40; The Sco ; 1.86; 7100;occ; 53; 0;32589

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3; -0.5; 25-MAY-2008 00:43:19; Dark ; 57.0; 63; Bet Gru ; 2.15; 2800;occ; 114; 0;32592  
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6; 821.3; 25-MAY-2008 00:57:01; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;32593  
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9; 1219.2; 25-MAY-2008 01:03:39; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;32593  
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22; 4537.8; 25-MAY-2008 01:58:58; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;32593  
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5; 422.3; 25-MAY-2008 02:30:58; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32594
6; 821.8; 25-MAY-2008 02:37:37; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32594
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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
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9; 1223.7; 25-MAY-2008 22:51:31; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;32606
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13; 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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 4; 2369.3; 25-MAY-2008 08:05:13; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;32597
 5; 3034.8; 25-MAY-2008 08:16:18; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32597
 6; 3170.5; 25-MAY-2008 08:18:34; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;32597
 7; 3681.1; 25-MAY-2008 08:27:05; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;32597
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18; 6859.5; 25-MAY-2008 09:20:03; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;32597
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22; 7385.6; 25-MAY-2008 09:28:49; Dark ; 41.0; 136; 23Tau Sco ; 2.82; 30000;occ; 82; 0;32597
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 6; 3170.3; 25-MAY-2008 09:59:10; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32598
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 8; 3935.8; 25-MAY-2008 10:11:55; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32598
 9; 4007.5; 25-MAY-2008 10:13:07; Bright; 40.0; 68; 18Alp Cas ; 2.22; 4500;occ; 80; 0;32598
10; 4384.7; 25-MAY-2008 10:19:24; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;32598
11; 4538.8; 25-MAY-2008 10:21:58; Dark ; 50.5; 58; 21Alp And ; 2.07; 11000;occ; 101; 0;32598

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 13; 5343.3; 25-MAY-2008 10:35:23; Dark ; 46.5; 52; 16Bet Cet ; 2.04; 4500;occ; 93; 0;32598  
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 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  
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 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  
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 12; 4812.4; 25-MAY-2008 12:07:08; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32599  
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 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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 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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19; 6883.0; 29-MAY-2008 08:54:35; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32654
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22; 7276.3; 29-MAY-2008 09:01:08; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;32654
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 5; 2545.9; 29-MAY-2008 11:03:29; Bright; 44.5; 133; 40Zet Her ; 2.81; 6000;occ; 89; 0;32656  
 6; 3014.8; 29-MAY-2008 11:11:18; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;32656  
 7; 3167.3; 29-MAY-2008 11:13:51; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32656  
 8; 3648.1; 29-MAY-2008 11:21:51; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;32656  
 9; 3932.0; 29-MAY-2008 11:26:35; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;32656  
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 23; 7401.1; 29-MAY-2008 12:24:24; Dark ; 41.0; 136; 23Tau Sco ; 2.82; 30000;occ; 82; 0;32656  
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 5; 2373.7; 29-MAY-2008 12:41:13; Bright; 36.0; 67; 5Alp CrB ; 2.22; 11000;occ; 72; 0;32657  
 6; 2545.4; 29-MAY-2008 12:44:05; Bright; 45.0; 133; 40Zet Her ; 2.81; 6000;occ; 90; 0;32657  
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6; 470.5; 29-MAY-2008 22:13:05; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32663  
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13; 1027.1; 30-MAY-2008 06:45:22; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;32668  
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13; 5380.4; 30-MAY-2008 07:57:55; Dark ; 46.5; 52; 16Bet Cet ; 2.04; 4500;occ; 93; 0;32668
14; 5783.3; 30-MAY-2008 08:04:38; Dark ; 44.0; 84; Alp Phe ; 2.40; 4500;occ; 88; 0;32668
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13; 5783.8; 30-MAY-2008 09:45:14; Dark ; 41.0; 84; Alp Phe ; 2.40; 4500;occ; 82; 0;32669
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5; 3010.4; 30-MAY-2008 10:39:37; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32670
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 19; 6964.4; 30-MAY-2008 15:06:42; Dark ; 38.5; 147; Alp Ara ; 2.88; 26000;occ; 77; 0;32672  
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