

# GOMOS Daily Report 27-NOV-2008

## Level 0 and Level 1 products

### SUMMARY

#### [1. General Info](#)

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

[2.1 Level 0: products arrived in PCF during current month \(see template here\)](#)

[2.2 Level 0: plot of mission plan versus production during reporting period](#)

[2.3 Level 0: summary of missing occultations with respect to the plan](#)

[2.4 Level 1: products arrived in PCF during reporting period](#)

#### [3. Plot of Spectrometers and Photometers temperatures](#)

#### [4. Dark Charge monitoring](#)

[4.1 Products that did not use the Dark Sky Area observation for DC computation](#)

[4.2 Plot of Dark Charge](#)

#### [5. Demodulation correction and quality product information monitoring](#)

[5.1 Percentage of products with some flags set](#)

[5.2 Plot of quality information per product \(time dependant\)](#)

[5.3 Plot of quality information per product \(world map\)](#)

#### [6. Star tangent altitude lost](#)

[6.1 Statistics on star tangent altitude lost](#)

[6.2 Plot of star tangent altitude lost: DARK products](#)

[6.3 Plot of star tangent altitude lost: BRIGHT products](#)

[6.3 Plot of star tangent altitude lost: TWILIGHT products](#)

#### [7. Star Acquisition and Tracking Unit \(SATU\)](#)

[7.1 SATU plots \(dark limb\): 'X' and 'Y' axis](#)

[7.2 SATU Noise Equivalent Angle statistics](#)

[7.2.1 SATU NEA Statistics \(table\)](#)

[7.2.2 Daily SATU NEA STD \(dark limb\) - trend since 1st April 2006](#)

[8. Auxiliary Data Files used for the production reported in section 2.4](#)

## [Level 2 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	03DEC2008 05:45:21
Data source version	GOMOS/5.00
Start time of products	27NOV2008 00:08:11
Stop time of products	27NOV2008 05:34:34
Store outputs in DB	Yes
Nb of level 1b prods	50
Nb of prods with errors	0

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

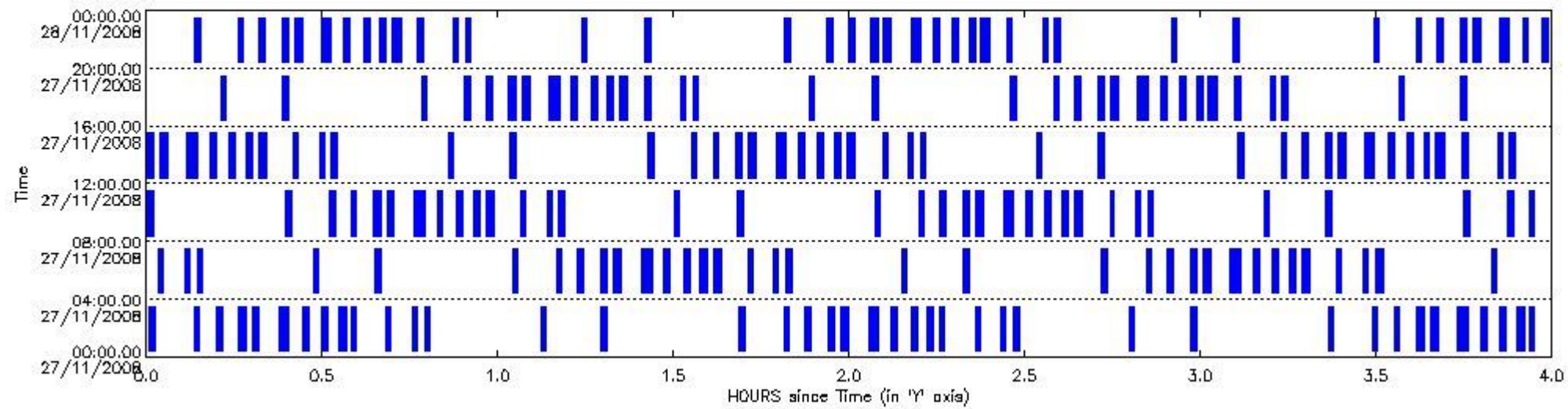
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

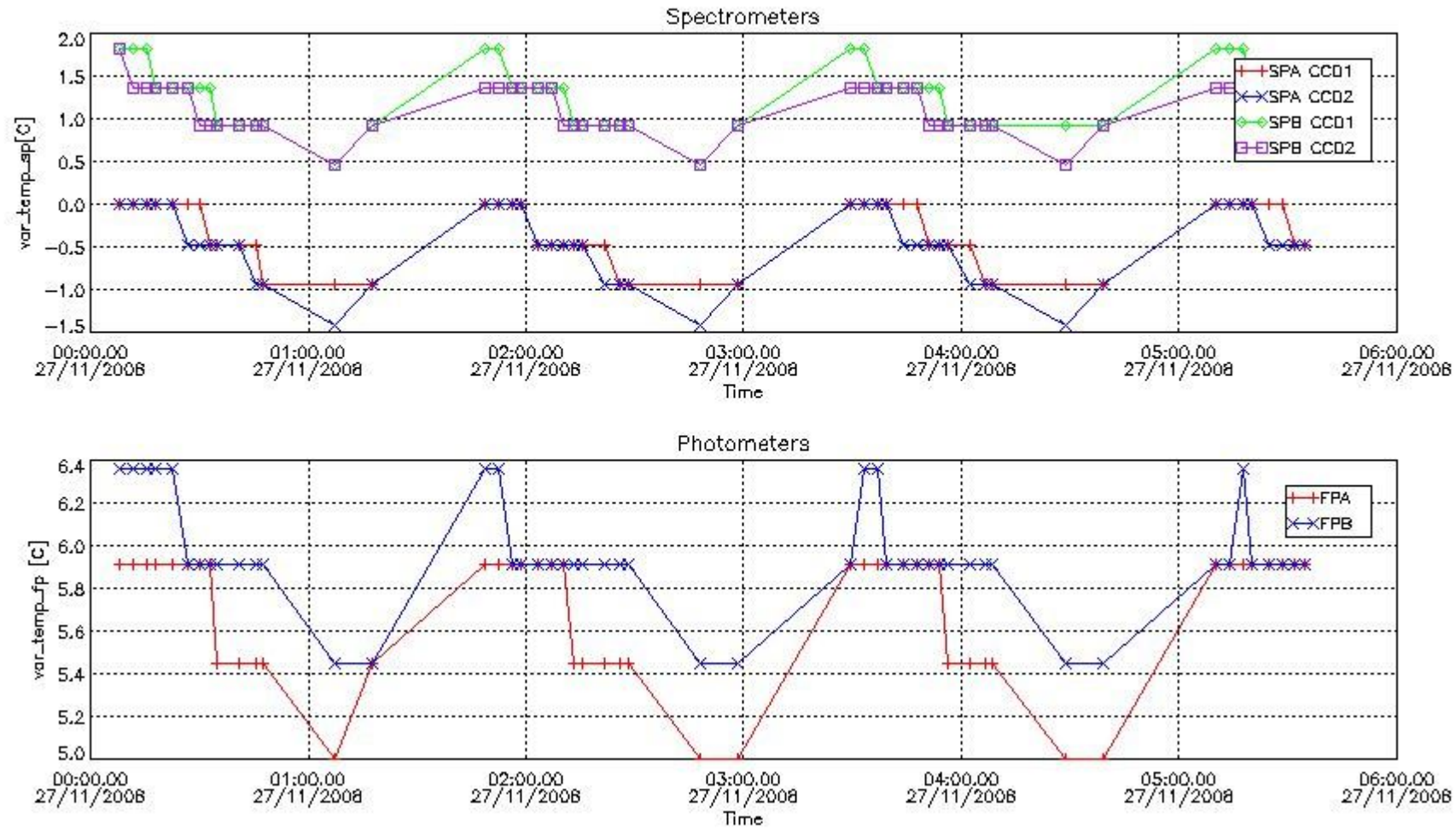
No missing products.

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

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20081127_000811_000000562074_00131_35255_2382.N1	27-NOV-2008 00:08:11	Dark	55.500	70	Zet Pup	2.2460	39000.	111	35255	No
2	GOM_TRA_1PNPDE20081127_001150_000000652074_00131_35255_2383.N1	27-NOV-2008 00:11:50	Dark	65.000	117	Pi Pup	2.7060	3800.0	130	35255	No
3	GOM_TRA_1PNPDE20081127_001545_000000712074_00131_35255_2384.N1	27-NOV-2008 00:15:45	Dark	71.000	23	21Eps CMa	1.5020	26000.	142	35255	No
4	GOM_TRA_1PNPDE20081127_001759_000000792074_00131_35255_2385.N1	27-NOV-2008 00:17:59	Straylight	78.500	179	24Omi2CMa	3.0320	24000.	157	35255	No
5	GOM_TRA_1PNPDE20081127_002242_000001012074_00131_35255_2386.N1	27-NOV-2008 00:22:42	Straylight	101.00	1	9Alp CMa	-1.4400	11000.	202	35255	No
6	GOM_TRA_1PNPDE20081127_002636_000000622074_00131_35255_2387.N1	27-NOV-2008 00:26:36	Straylight	61.500	7	19Bet Ori	0.10000	14000.	123	35255	No
7	GOM_TRA_1PNPDE20081127_002956_000000702074_00131_35255_2388.N1	27-NOV-2008 00:29:56	Twilight_stray	69.500	30	46Eps Ori	1.6940	30000.	139	35255	No
8	GOM_TRA_1PNPDE20081127_003248_000000792074_00131_35255_2389.N1	27-NOV-2008 00:32:48	Bright	79.000	27	24Gam Ori	1.6360	26000.	158	35255	No
9	GOM_TRA_1PNPDE20081127_003452_000000532074_00131_35255_2390.N1	27-NOV-2008 00:34:52	Bright	53.000	13	87Alp Tau	0.86700	3800.0	106	35255	No
10	GOM_TRA_1PNPDE20081127_004059_000000492074_00131_35255_2391.N1	27-NOV-2008 00:40:59	Bright	48.500	114	31ot Aur	2.6930	4600.0	97	35255	No
11	GOM_TRA_1PNPDE20081127_004524_000000492074_00131_35255_2392.N1	27-NOV-2008 00:45:24	Bright	49.000	6	13Alp Aur	0.080000	3400.0	98	35255	No
12	GOM_TRA_1PNPDE20081127_004731_000000532074_00131_35255_2393.N1	27-NOV-2008 00:47:31	Bright	52.500	42	34Bet Aur	1.9000	10200.	105	35255	No

13	GOM_TRA_1PNPDE20081127_010718_000000512074_00131_35255_2394.N1	27-NOV-2008 01:07:18	Bright	50.500	174	52Psi UMa	3.0040	4400.0	101	35255	No
14	GOM_TRA_1PNPDE20081127_011742_000000602074_00131_35255_2395.N1	27-NOV-2008 01:17:42	Bright	59.500	96	68Del Leo	2.5600	9300.0	119	35255	No
15	GOM_TRA_1PNPDE20081127_014848_000000542074_00132_35256_2591.N1	27-NOV-2008 01:48:48	Dark	53.500	70	Zet Pup	2.2460	39000.	107	35256	No
16	GOM_TRA_1PNPDE20081127_015227_000000602074_00132_35256_2592.N1	27-NOV-2008 01:52:27	Dark	60.000	117	Pi Pup	2.7060	3800.0	120	35256	No
17	GOM_TRA_1PNPDE20081127_015622_000000712074_00132_35256_2593.N1	27-NOV-2008 01:56:22	Dark	70.500	23	21Eps CMa	1.5020	26000.	141	35256	No
18	GOM_TRA_1PNPDE20081127_015836_000000782074_00132_35256_2594.N1	27-NOV-2008 01:58:36	Straylight	77.500	179	24Omi2CMa	3.0320	24000.	155	35256	No
19	GOM_TRA_1PNPDE20081127_020318_000001062074_00132_35256_2595.N1	27-NOV-2008 02:03:18	Straylight	105.50	1	9Alp CMa	-1.4400	11000.	211	35256	No
20	GOM_TRA_1PNPDE20081127_020712_000000622074_00132_35256_2596.N1	27-NOV-2008 02:07:12	Straylight	62.000	7	19Bet Ori	0.10000	14000.	124	35256	No
21	GOM_TRA_1PNPDE20081127_021032_000000692074_00132_35256_2597.N1	27-NOV-2008 02:10:32	Twilight_and_stray	69.000	30	46Eps Ori	1.6940	30000.	138	35256	No
22	GOM_TRA_1PNPDE20081127_021323_000000632074_00132_35256_2598.N1	27-NOV-2008 02:13:23	Bright	62.500	27	24Gam Ori	1.6360	26000.	125	35256	No
23	GOM_TRA_1PNPDE20081127_021527_000000552074_00132_35256_2599.N1	27-NOV-2008 02:15:27	Bright	55.000	13	87Alp Tau	0.86700	3800.0	110	35256	No
24	GOM_TRA_1PNPDE20081127_022134_000000492074_00132_35256_2600.N1	27-NOV-2008 02:21:34	Bright	49.000	114	3lot Aur	2.6930	4600.0	98	35256	No
25	GOM_TRA_1PNPDE20081127_022600_000000482074_00132_35256_2601.N1	27-NOV-2008 02:26:00	Bright	48.000	6	13Alp Aur	0.080000	3400.0	96	35256	No
26	GOM_TRA_1PNPDE20081127_022806_000000532074_00132_35256_2602.N1	27-NOV-2008 02:28:06	Bright	53.000	42	34Bet Aur	1.9000	10200.	106	35256	No
27	GOM_TRA_1PNPDE20081127_024754_000000502074_00132_35256_2748.N1	27-NOV-2008 02:47:54	Bright	49.500	174	52Psi UMa	3.0040	4400.0	99	35256	No
28	GOM_TRA_1PNPDE20081127_025819_000000652074_00132_35256_2749.N1	27-NOV-2008 02:58:19	Bright	65.000	96	68Del Leo	2.5600	9300.0	130	35256	No
29	GOM_TRA_1PNPDE20081127_032925_000000542074_00133_35257_2750.N1	27-NOV-2008 03:29:25	Dark	53.500	70	Zet Pup	2.2460	39000.	107	35257	No
30	GOM_TRA_1PNPDE20081127_033304_000000592074_00133_35257_2751.N1	27-NOV-2008 03:33:04	Dark	59.000	117	Pi Pup	2.7060	3800.0	118	35257	No
31	GOM_TRA_1PNPDE20081127_033659_000000682074_00133_35257_2752.N1	27-NOV-2008 03:36:59	Dark	67.500	23	21Eps CMa	1.5020	26000.	135	35257	No
32	GOM_TRA_1PNPDE20081127_033912_000000782074_00133_35257_2753.N1	27-NOV-2008 03:39:12	Straylight	78.000	179	24Omi2CMa	3.0320	24000.	156	35257	No
33	GOM_TRA_1PNPDE20081127_034354_000001052074_00133_35257_2754.N1	27-NOV-2008 03:43:54	Straylight	104.50	1	9Alp CMa	-1.4400	11000.	209	35257	No
34	GOM_TRA_1PNPDE20081127_034748_000000622074_00133_35257_2755.N1	27-NOV-2008 03:47:48	Straylight	62.000	7	19Bet Ori	0.10000	14000.	124	35257	No
35	GOM_TRA_1PNPDE20081127_035107_000000662074_00133_35257_2756.N1	27-NOV-2008 03:51:07	Twilight_and_stray	65.500	30	46Eps Ori	1.6940	30000.	131	35257	No
36	GOM_TRA_1PNPDE20081127_035359_000000782074_00133_35257_2757.N1	27-NOV-2008 03:53:59	Bright	78.000	27	24Gam Ori	1.6360	26000.	156	35257	No
37	GOM_TRA_1PNPDE20081127_035608_000000492074_00133_35257_2758.N1	27-NOV-2008 03:56:08	Bright	49.000	13	87Alp Tau	0.86700	3800.0	98	35257	No
38	GOM_TRA_1PNPDE20081127_040209_000000492074_00133_35257_2759.N1	27-NOV-2008 04:02:09	Bright	48.500	114	3lot Aur	2.6930	4600.0	97	35257	No
39	GOM_TRA_1PNPDE20081127_040635_000000472074_00133_35257_2760.N1	27-NOV-2008 04:06:35	Bright	47.000	6	13Alp Aur	0.080000	3400.0	94	35257	No
40	GOM_TRA_1PNPDE20081127_040840_000000542074_00133_35257_2761.N1	27-NOV-2008 04:08:40	Bright	53.500	42	34Bet Aur	1.9000	10200.	107	35257	No
41	GOM_TRA_1PNPDE20081127_042830_000000522074_00133_35257_2924.N1	27-NOV-2008 04:28:30	Bright	51.500	174	52Psi UMa	3.0040	4400.0	103	35257	No
42	GOM_TRA_1PNPDE20081127_043855_000000642074_00133_35257_2925.N1	27-NOV-2008 04:38:55	Bright	64.000	96	68Del Leo	2.5600	9300.0	128	35257	No
43	GOM_TRA_1PNPDE20081127_051003_000000562074_00134_35258_2926.N1	27-NOV-2008 05:10:03	Dark	56.000	70	Zet Pup	2.2460	39000.	112	35258	No
44	GOM_TRA_1PNPDE20081127_051341_000000612074_00134_35258_2927.N1	27-NOV-2008 05:13:41	Dark	61.000	117	Pi Pup	2.7060	3800.0	122	35258	No
45	GOM_TRA_1PNPDE20081127_051736_000000692074_00134_35258_2928.N1	27-NOV-2008 05:17:36	Dark	68.500	23	21Eps CMa	1.5020	26000.	137	35258	No
46	GOM_TRA_1PNPDE20081127_051949_000000772074_00134_35258_2929.N1	27-NOV-2008 05:19:49	Straylight	76.500	179	24Omi2CMa	3.0320	24000.	153	35258	No
47	GOM_TRA_1PNPDE20081127_052430_000001102074_00134_35258_2930.N1	27-NOV-2008 05:24:30	Straylight	109.50	1	9Alp CMa	-1.4400	11000.	219	35258	No
48	GOM_TRA_1PNPDE20081127_052824_000000612074_00134_35258_2931.N1	27-NOV-2008 05:28:24	Straylight	61.000	7	19Bet Ori	0.10000	14000.	122	35258	No
49	GOM_TRA_1PNPDE20081127_053143_000000692074_00134_35258_2932.N1	27-NOV-2008 05:31:43	Twilight_and_stray	69.000	30	46Eps Ori	1.6940	30000.	138	35258	No
50	GOM_TRA_1PNPDE20081127_053434_000000712074_00134_35258_2933.N1	27-NOV-2008 05:34:34	Bright	71.000	27	24Gam Ori	1.6360	26000.	142	35258	No

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



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

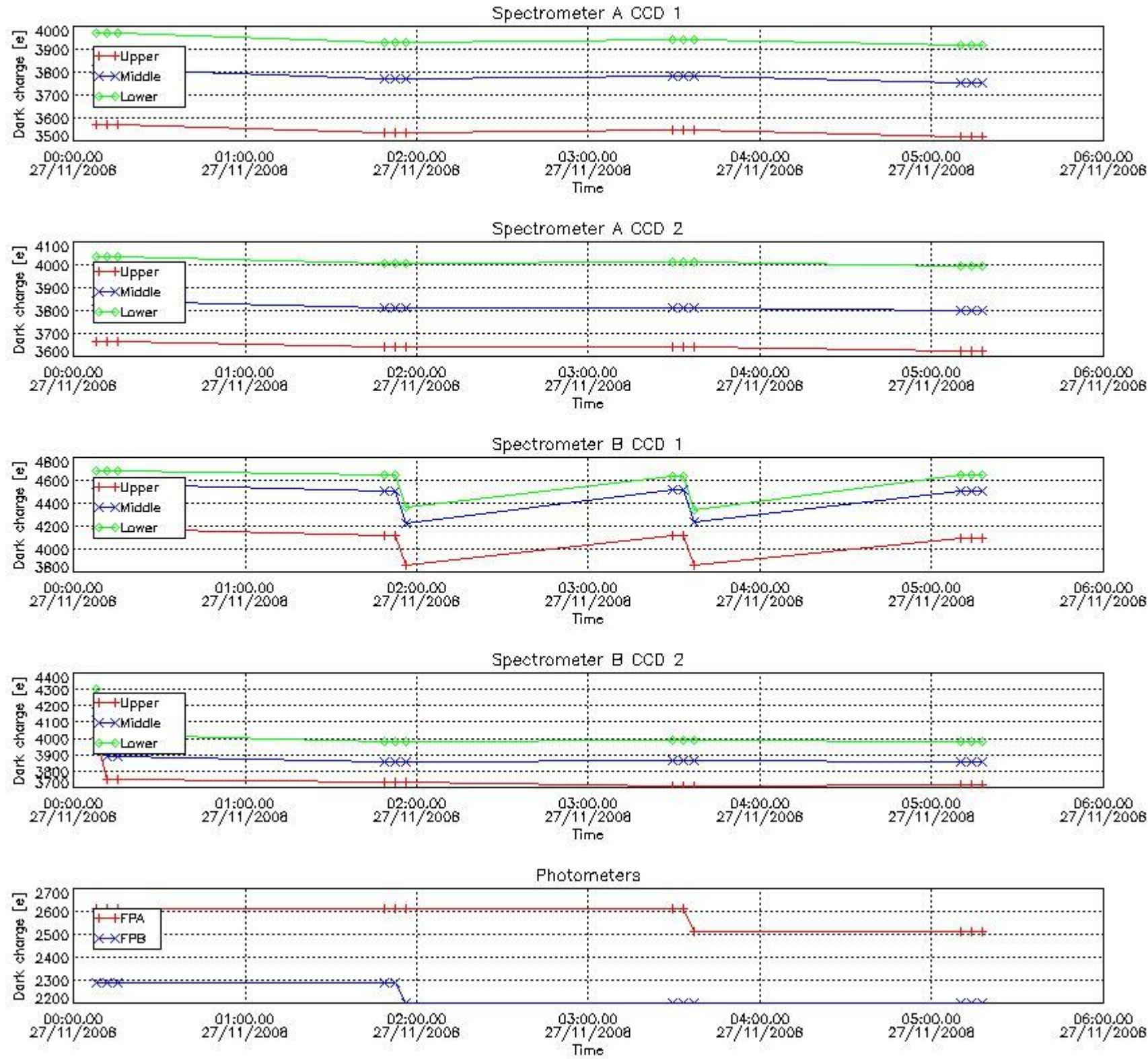
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount its value measured on ground at the same temperature) and the "Random Telegraphic Signal" (abrupt change positive or negative of the CCD pixel signal, random in time, affecting only the DC part of the signal and not the photon generated signal).

In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

##### 4.1 All products used the DSA observation for the DC computation

##### 4.2 Plot of mean dark charges per product: only products in DARK limb conditions without errors are used





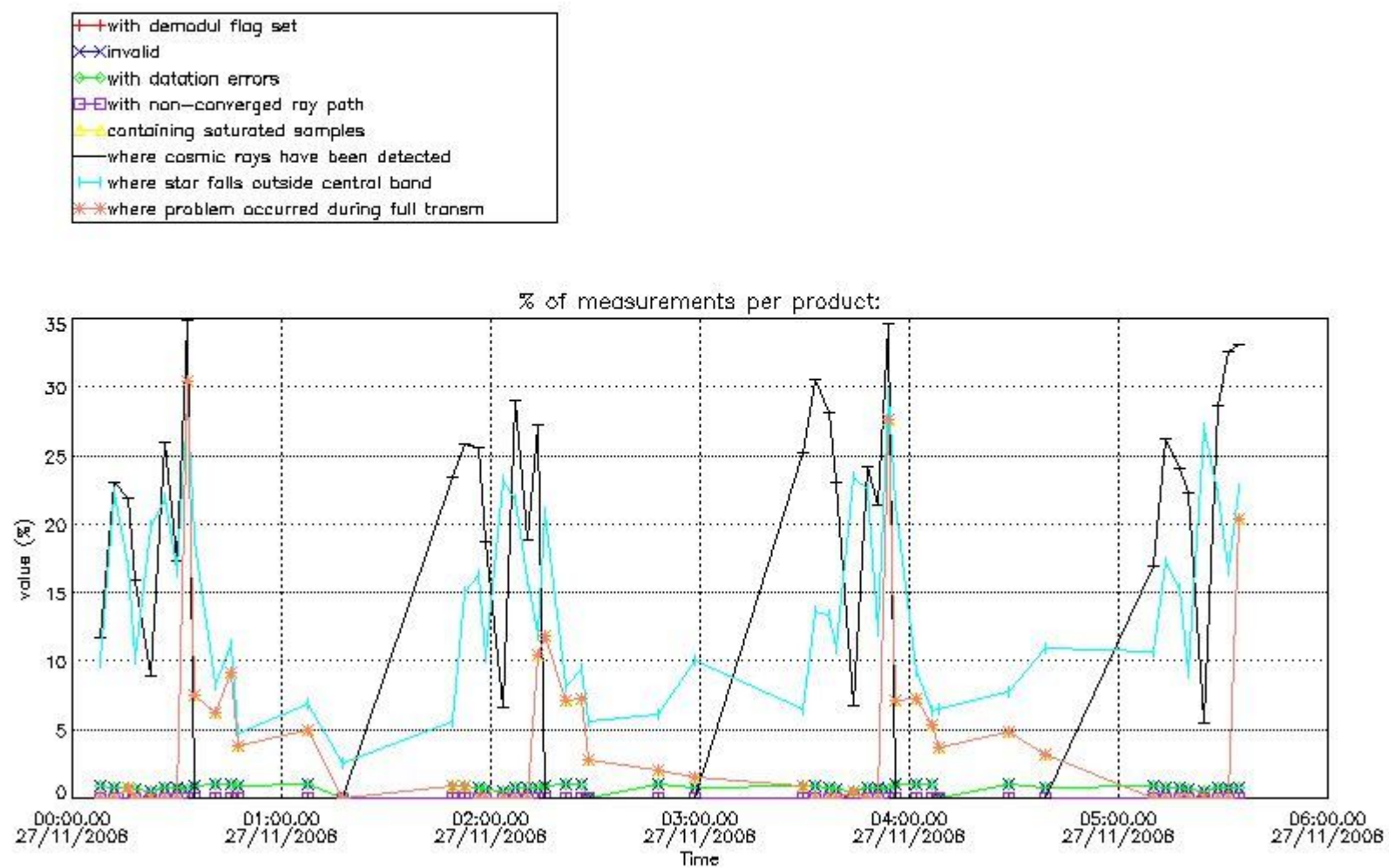
## 5. Demodulation flag and quality information monitoring

In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

### 5.1 Percentage of products during reporting period with:

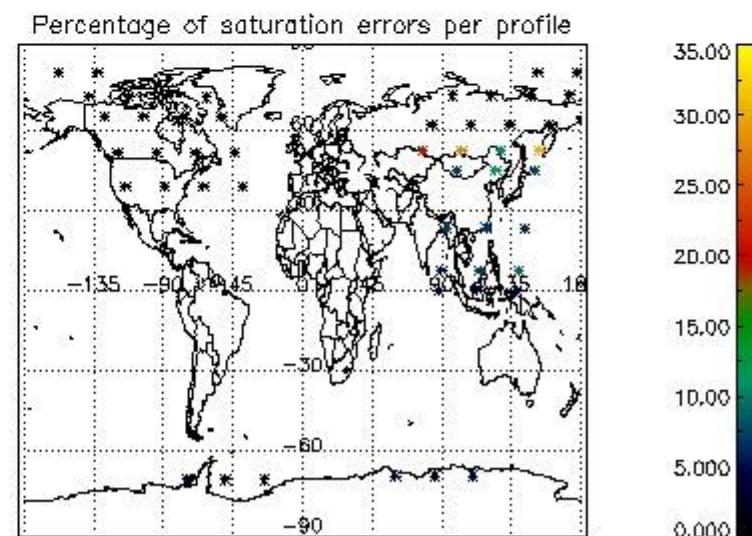
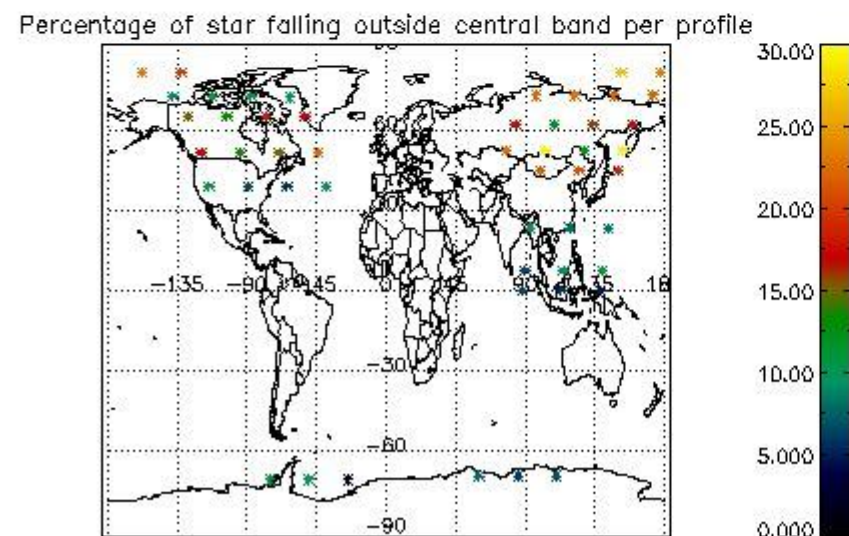
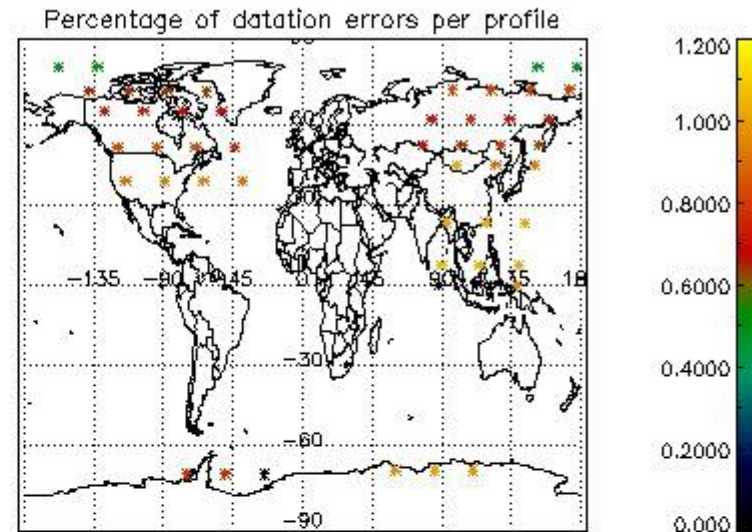
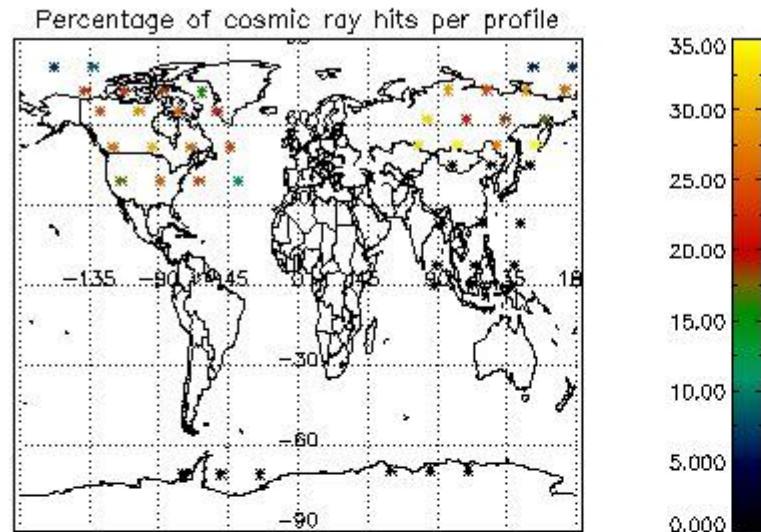
At least one measurement with demodulation flag set:	32.0000 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

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



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





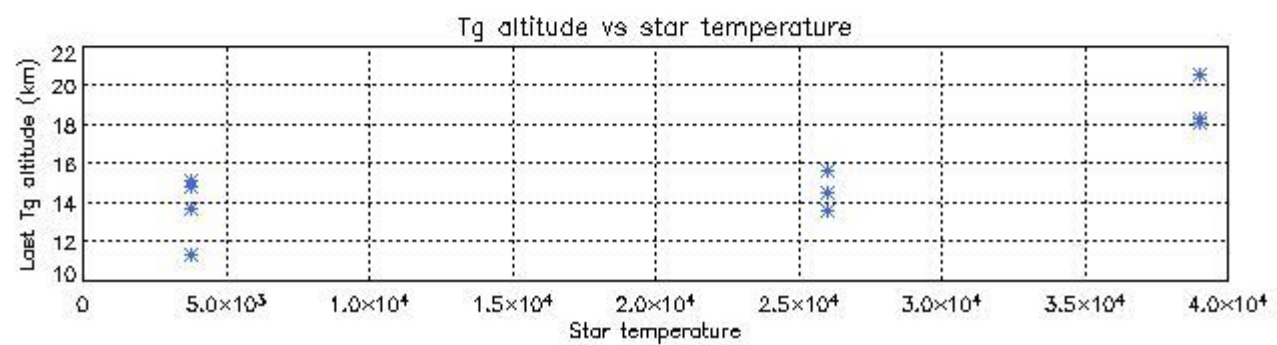
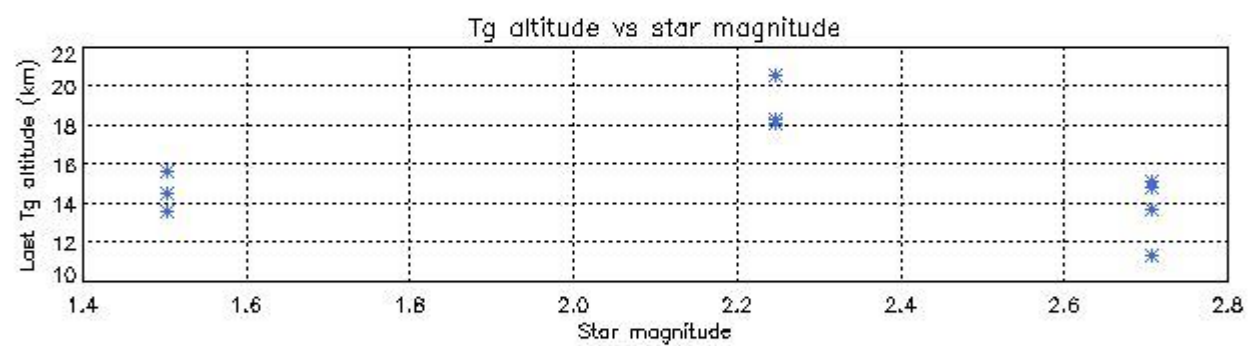
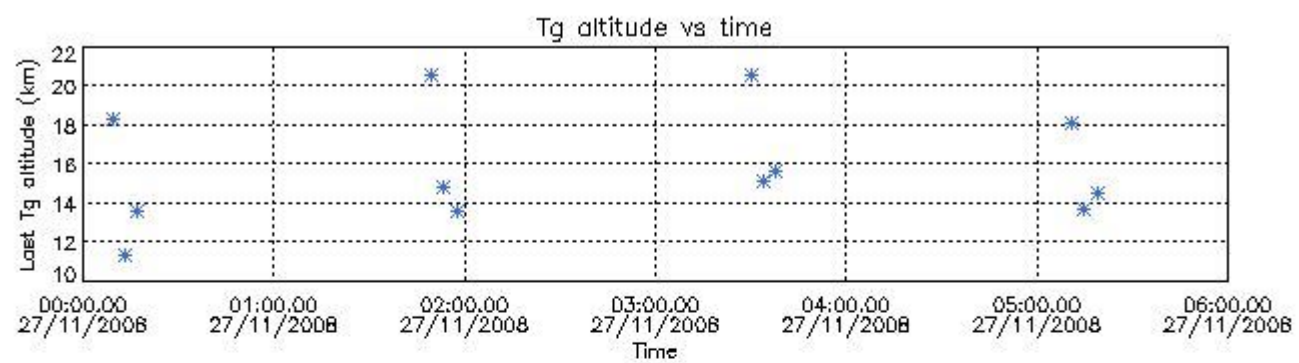
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.816	17.148	NaN
St. deviation:	2.9185	5.0486	NaN
Maximum:	20.560	23.072	NaN
Minimum:	11.320	6.8079	NaN
Number of data:	12.000	22.000	NaN

### 6.2 Plot for DARK limb products

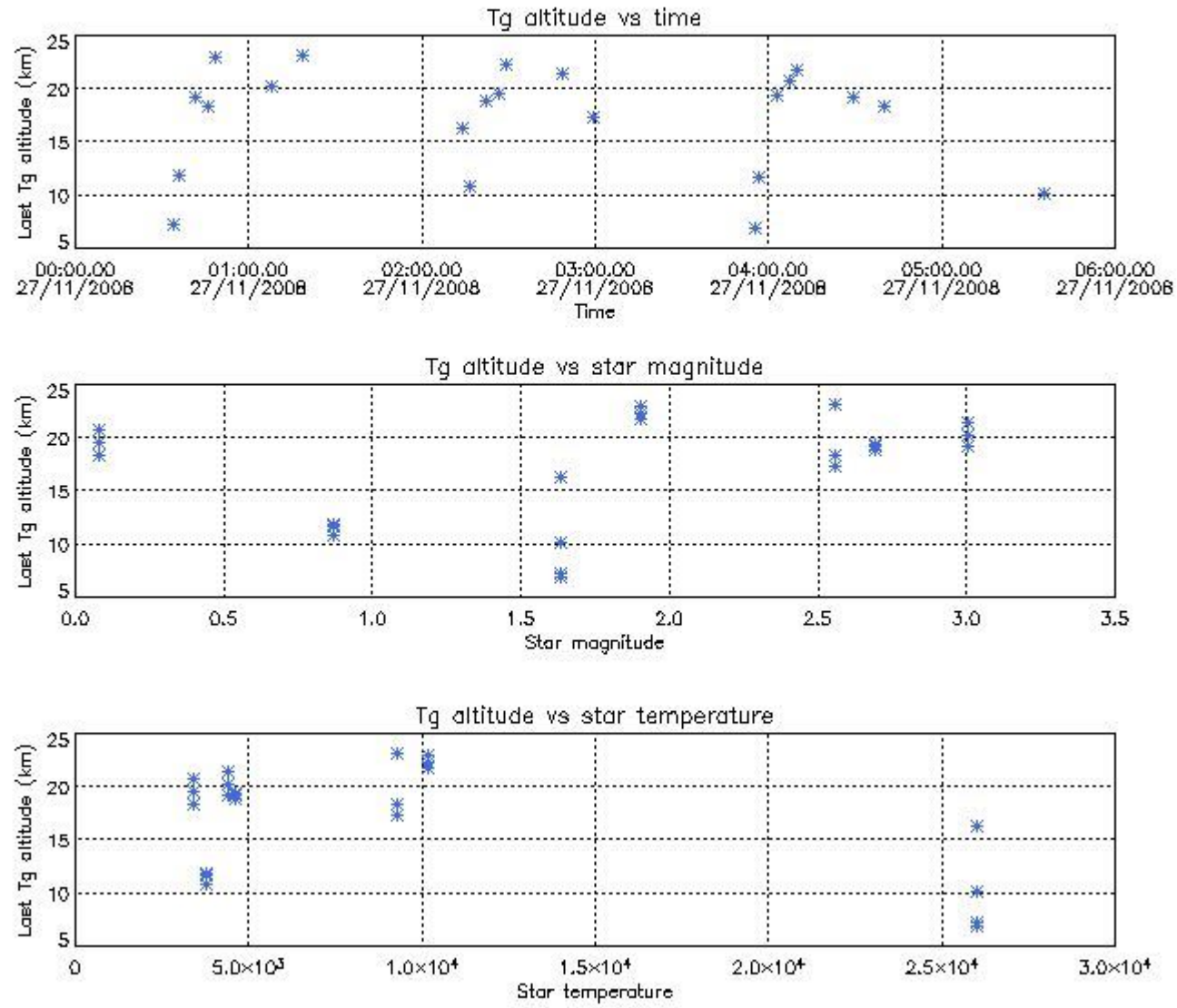
Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products



## Tangent altitude at which the star is lost

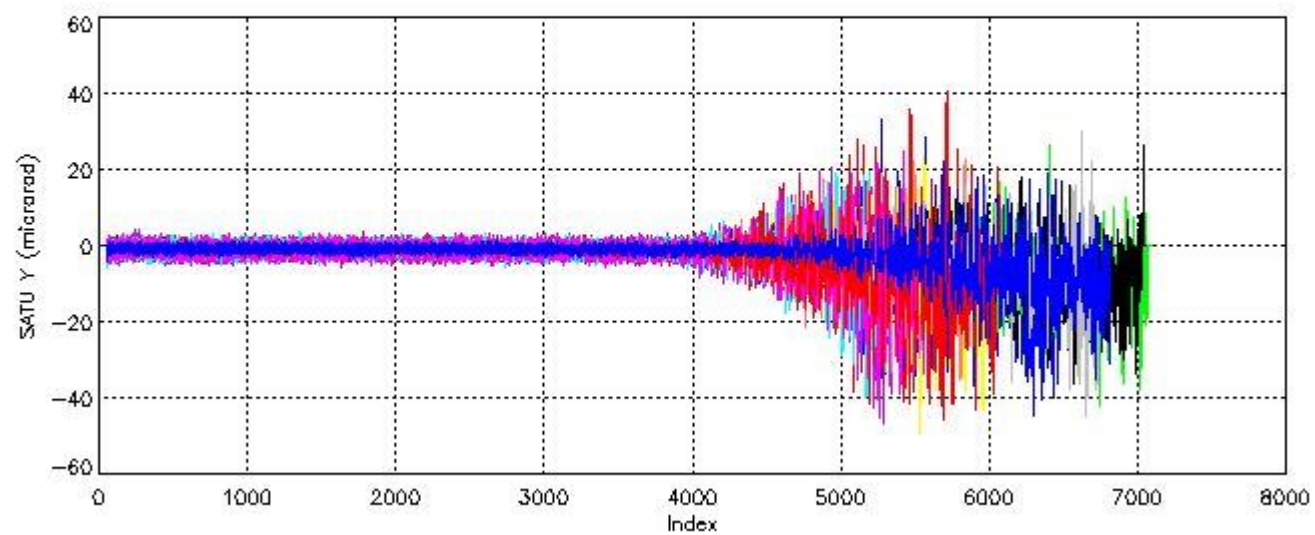
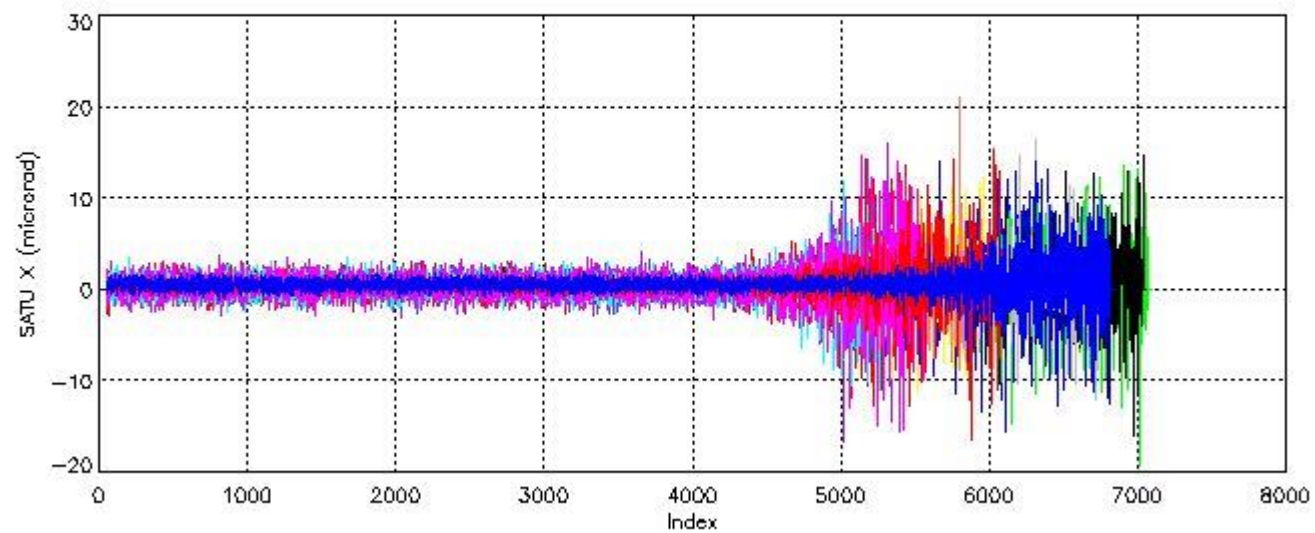


## 7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

### 7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.38043	-0.97788	0.39491	-1.0690
St. deviation:	0.56801	1.1683	0.58152	0.99934
Maximum:	3.6000	4.2000	4.6000	3.5000
Minimum:	-2.9000	-5.8000	-3.5000	-5.9000

Number of data:	16200.	16200.	26800.	26800.
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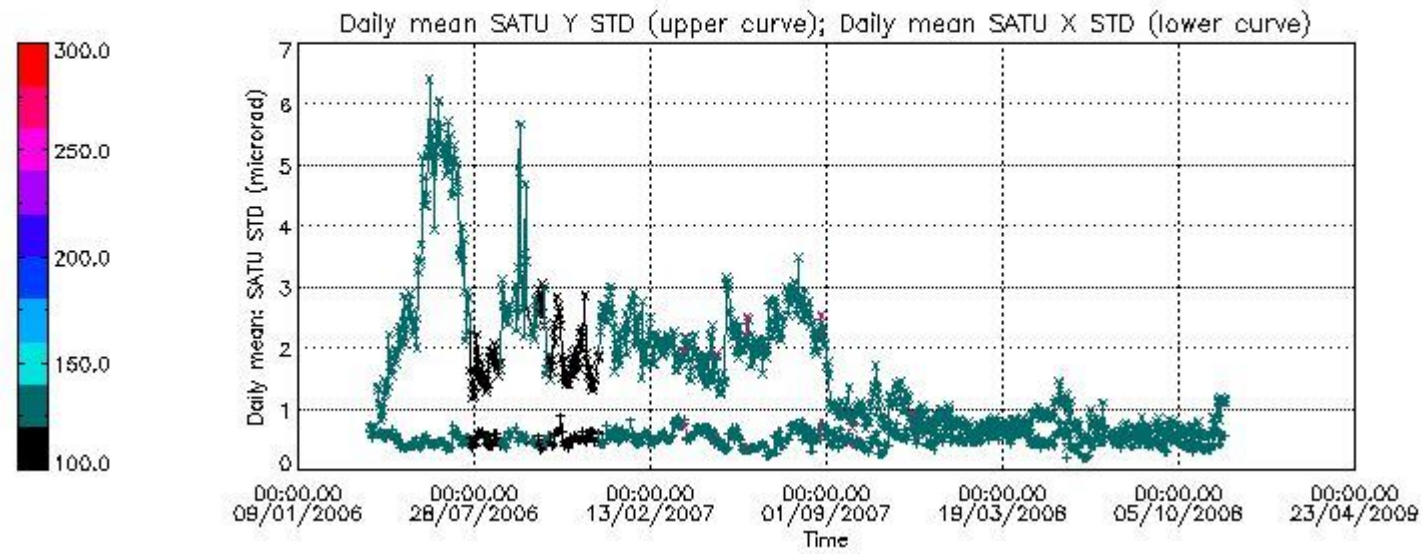
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

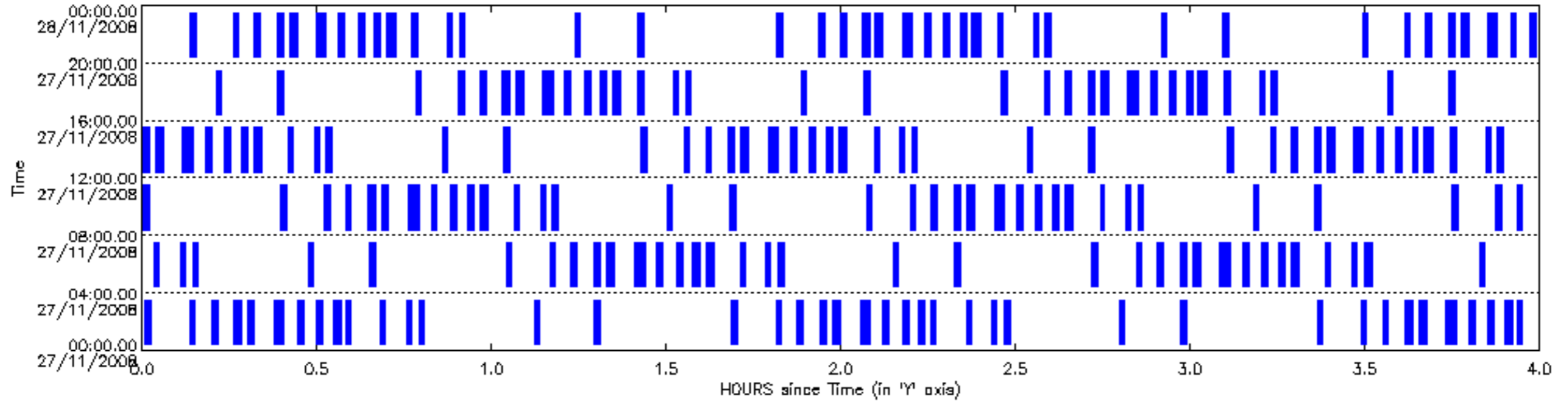


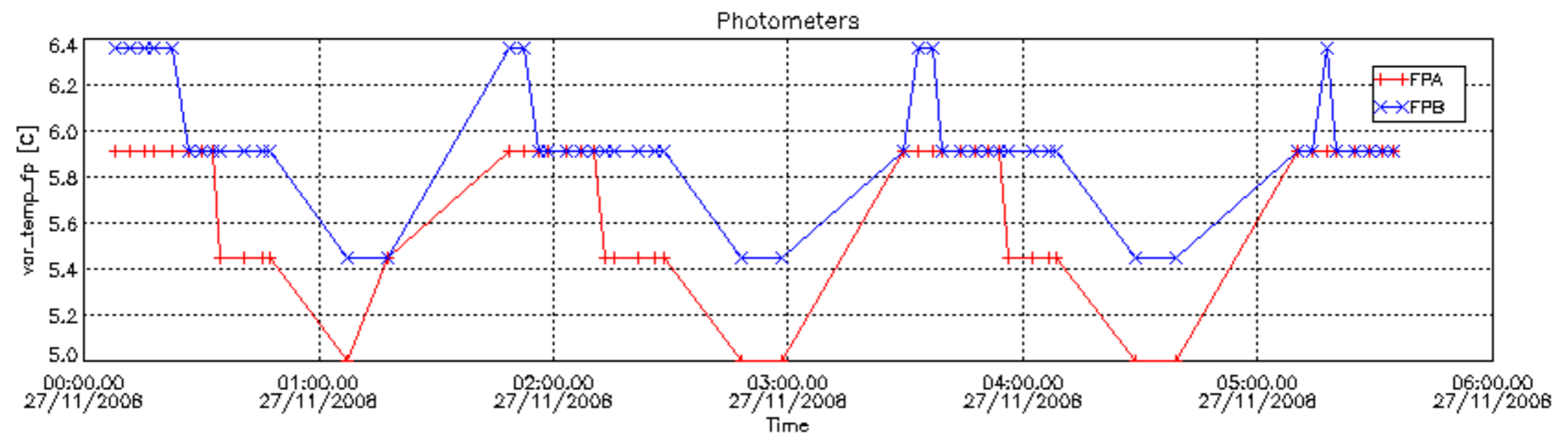
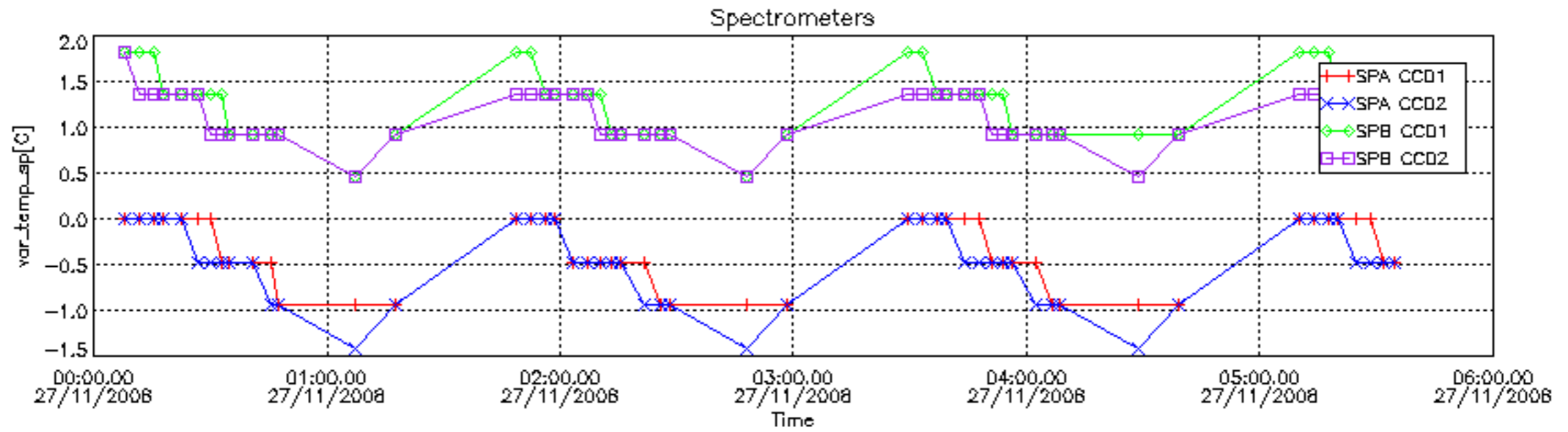
### 8. Auxiliary Data Files used for the production reported in section 2.4

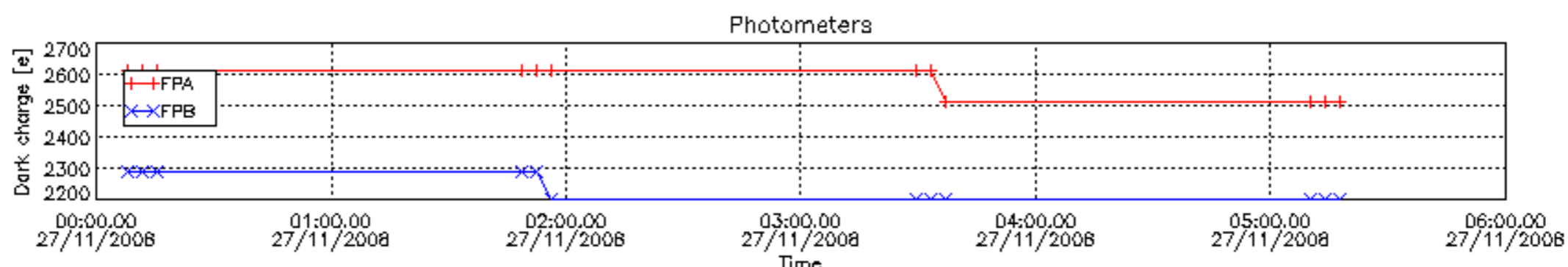
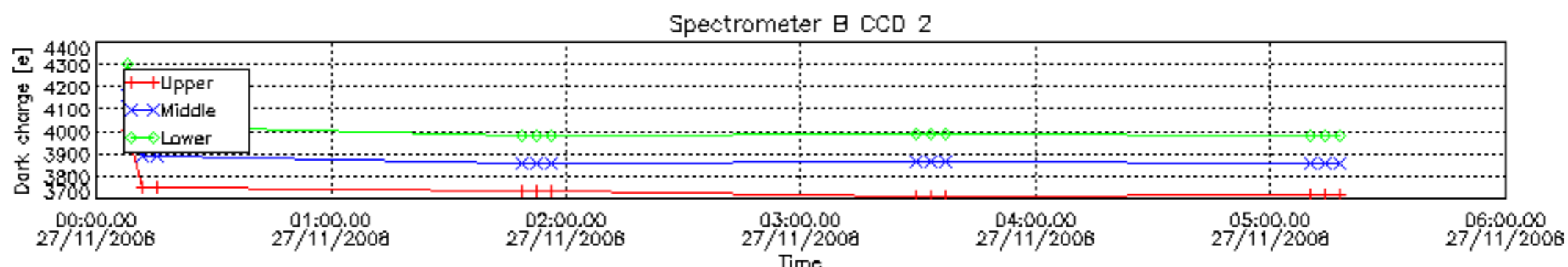
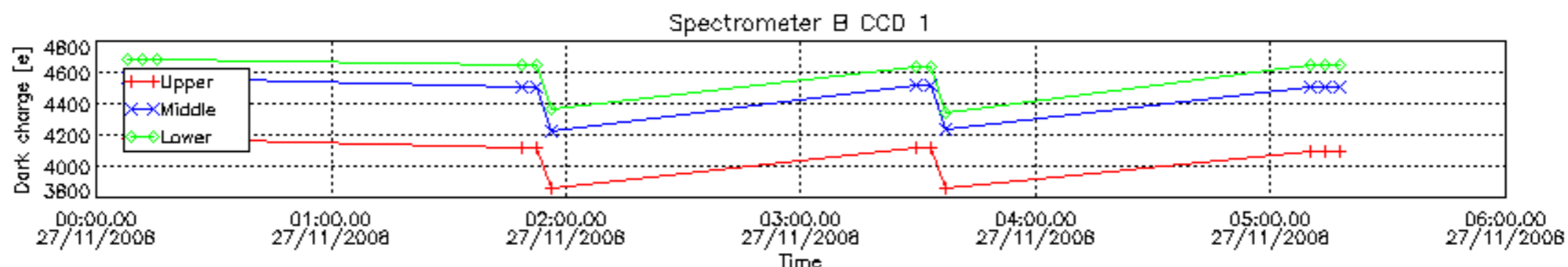
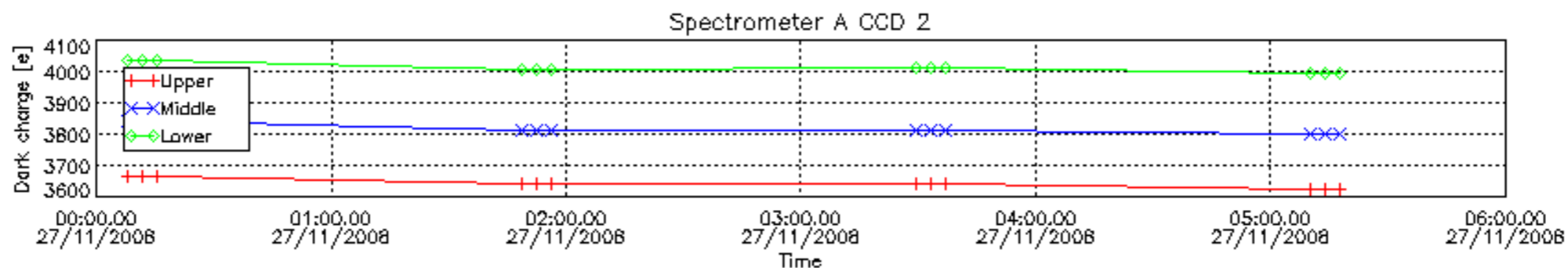
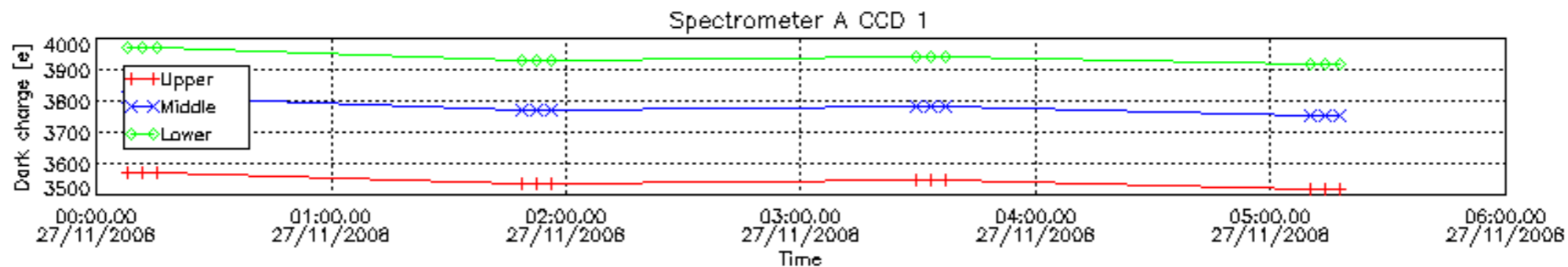
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	27-NOV-2008 00:08:11
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20081125_092015_20081123_000000_20100101_000000	1	27-NOV-2008 00:08:11
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	27-NOV-2008 00:08:11
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	27-NOV-2008 00:08:11
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	27-NOV-2008 00:08:11
ECMWF_FILE	AUX_ECF_AXNECM20081126_072111_20081126_210000_20081127_090000	1	27-NOV-2008 00:08:11
ECMWF_FILE	AUX_ECF_AXNECM20081126_192112_20081127_030000_20081127_150000	41	27-NOV-2008 04:28:30
OPTIONAL_ECMWF_FILE	MISSING	1	27-NOV-2008 00:08:11
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20081126_220148_000057382074_00129_35253_6848.N1	1	27-NOV-2008 00:08:11
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20081126_234245_000057382074_00130_35254_6849.N1	15	27-NOV-2008 01:48:48
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20081127_012342_000041442074_00131_35255_6850.N1	27	27-NOV-2008 02:47:54
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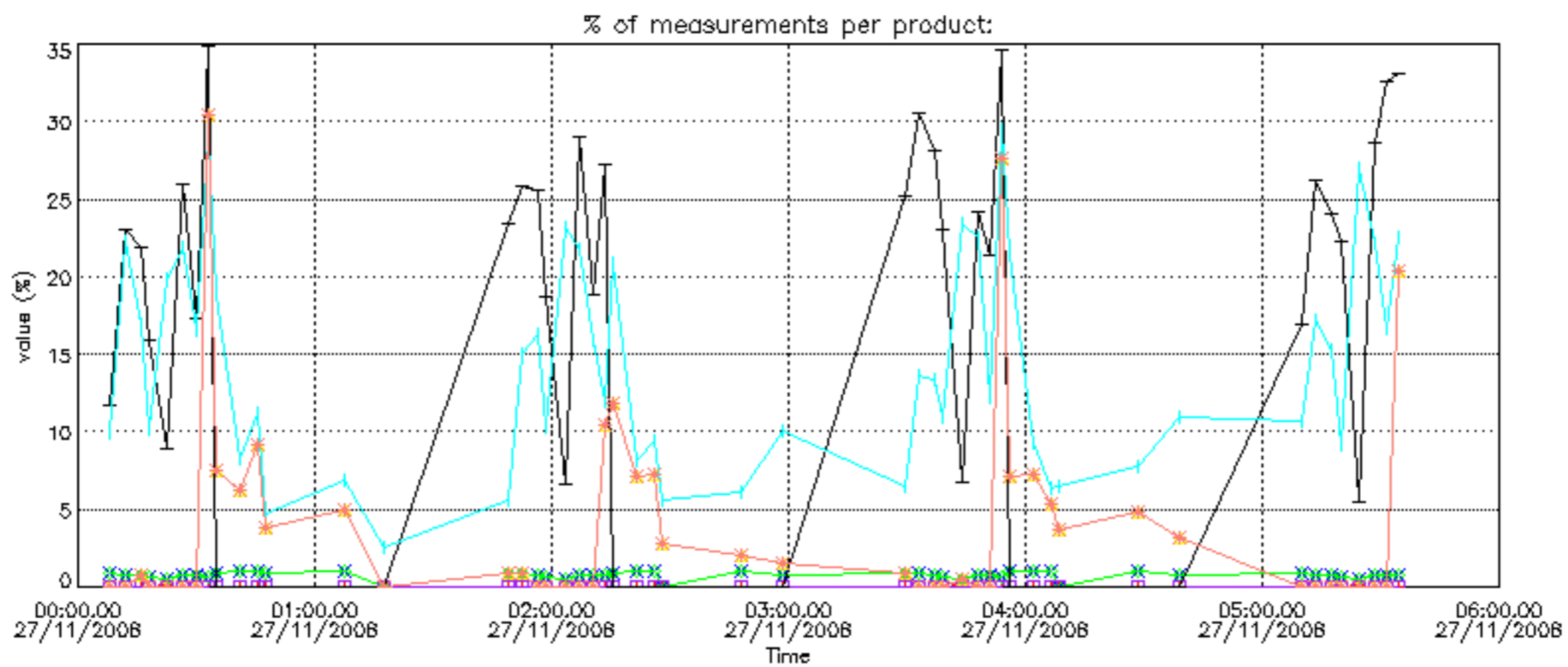




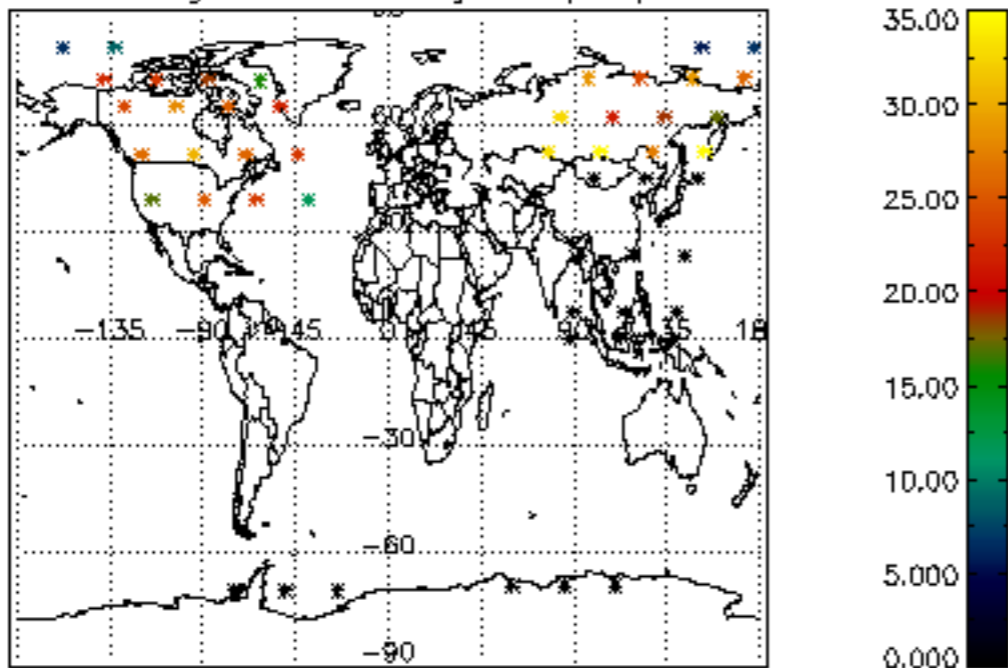




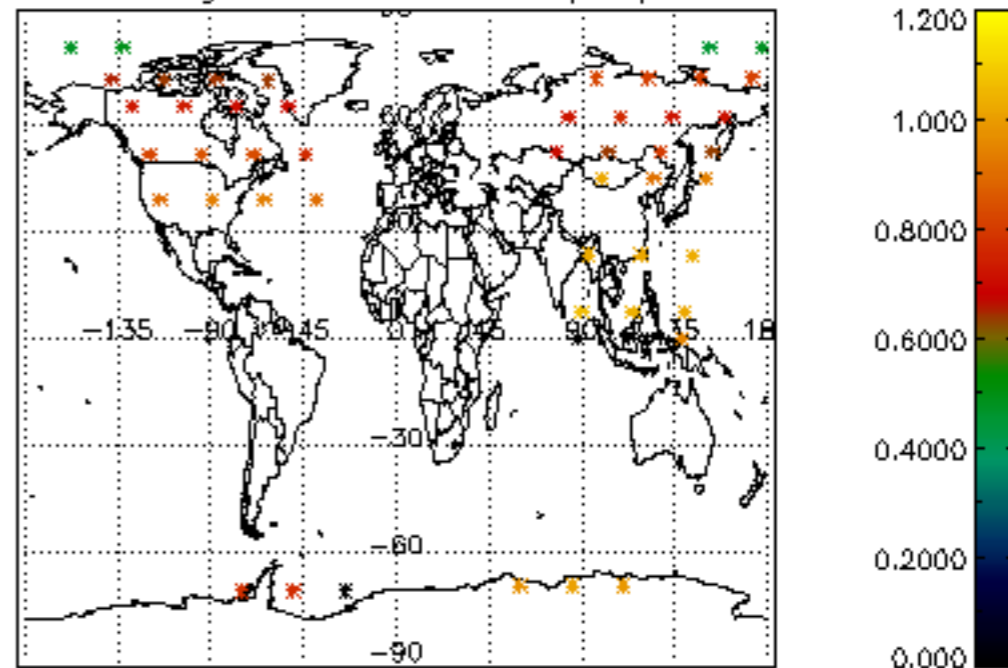




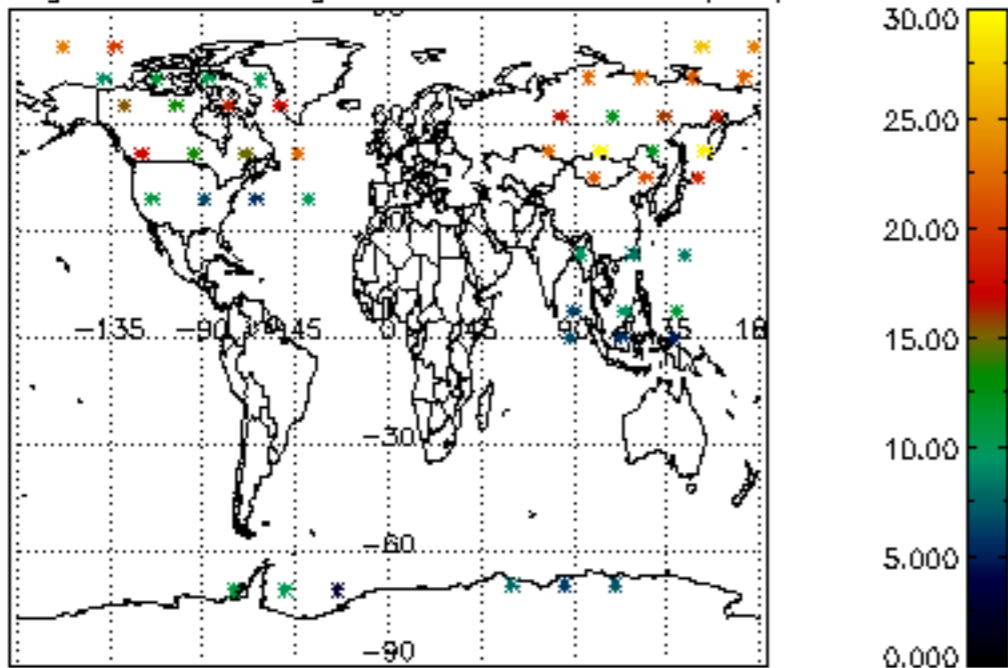
Percentage of cosmic ray hits per profile



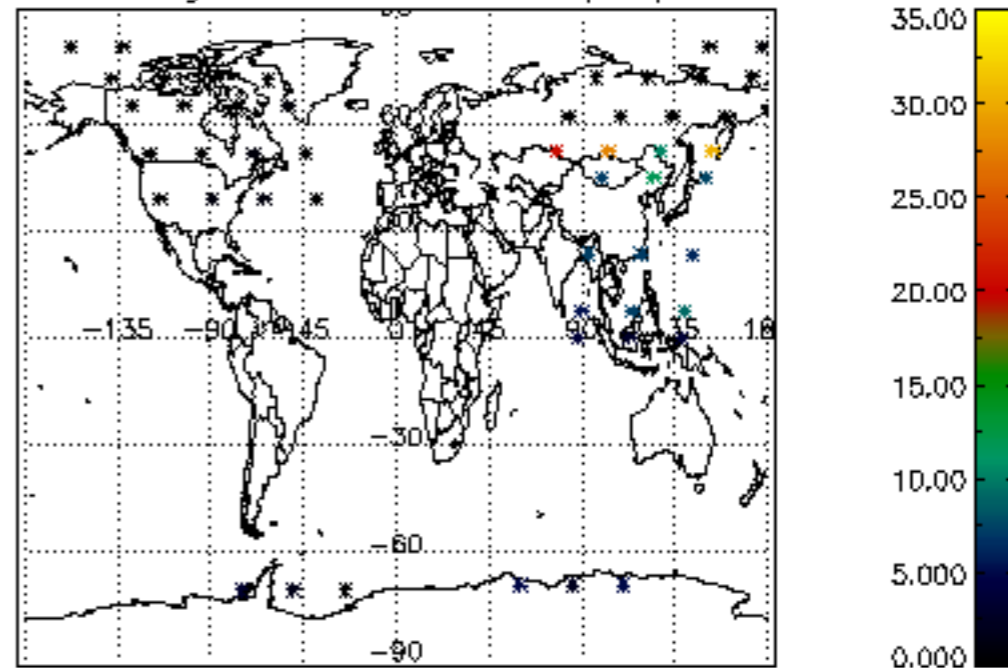
Percentage of datation errors per profile



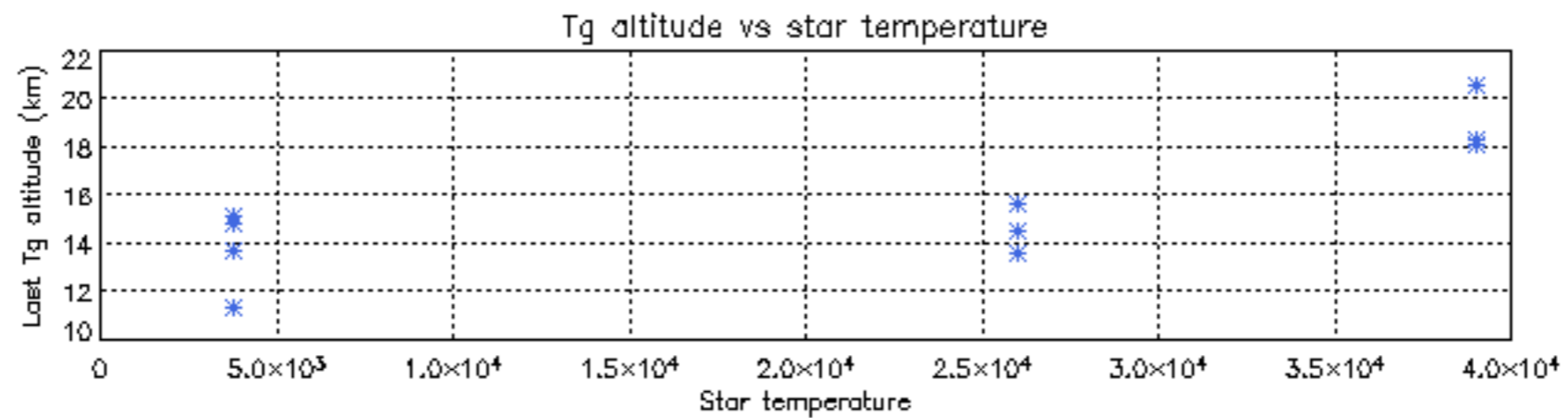
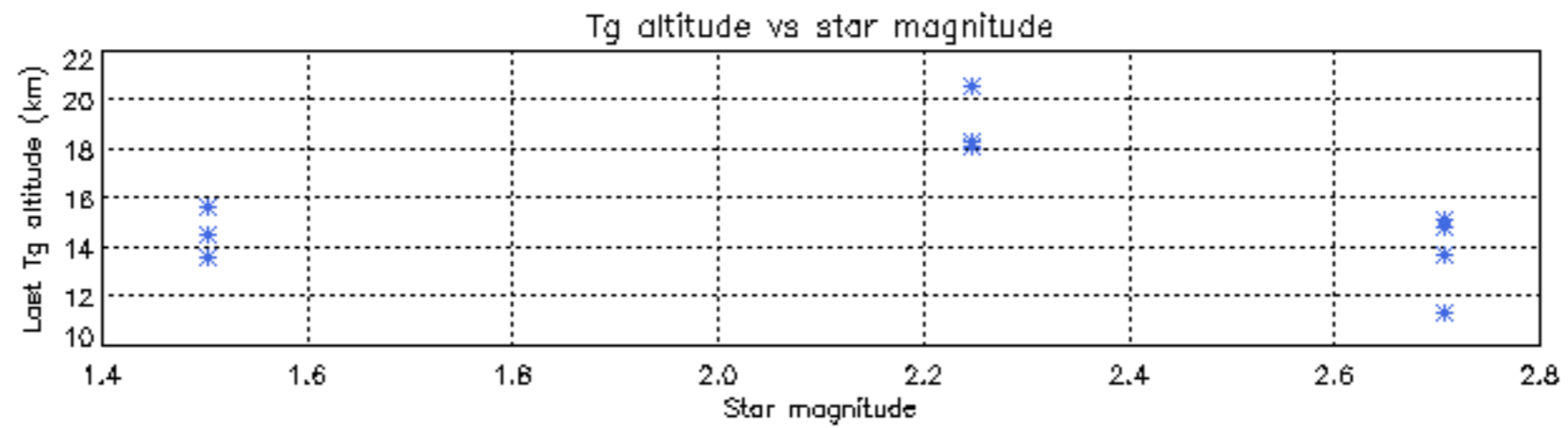
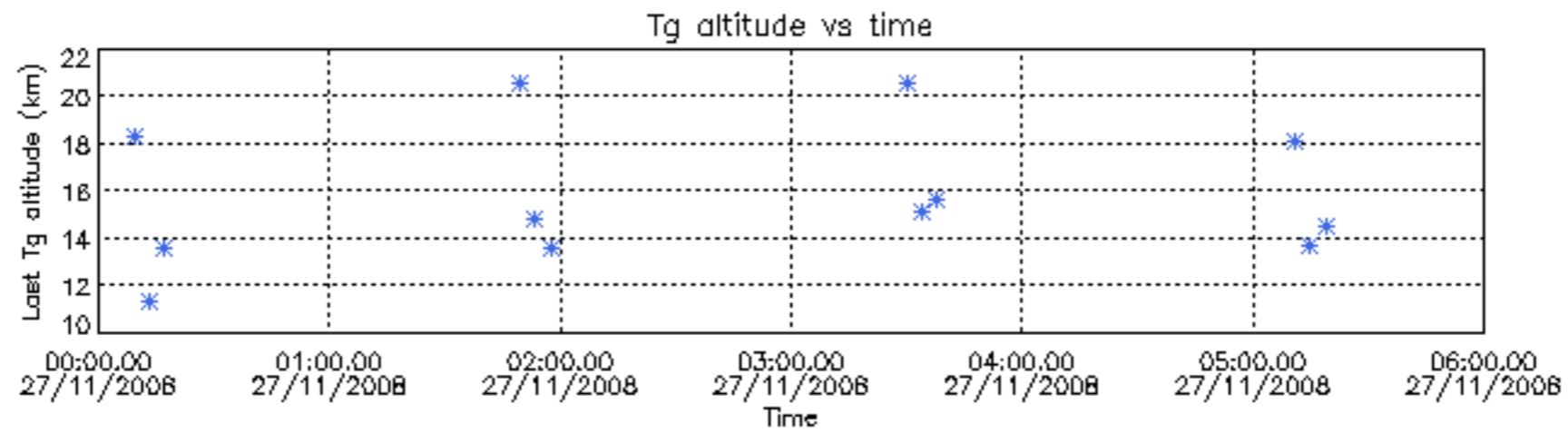
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

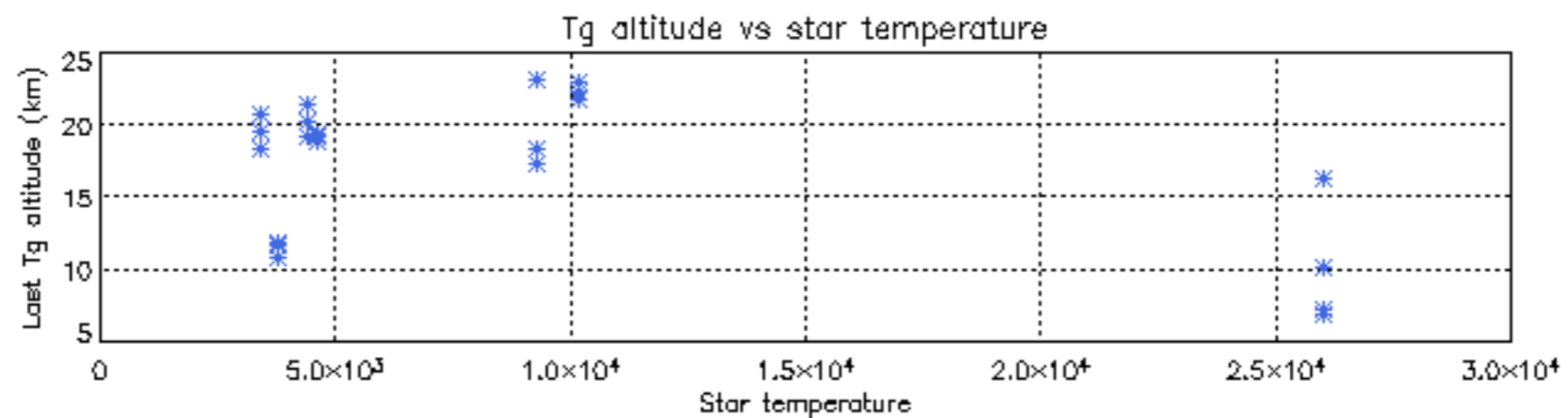
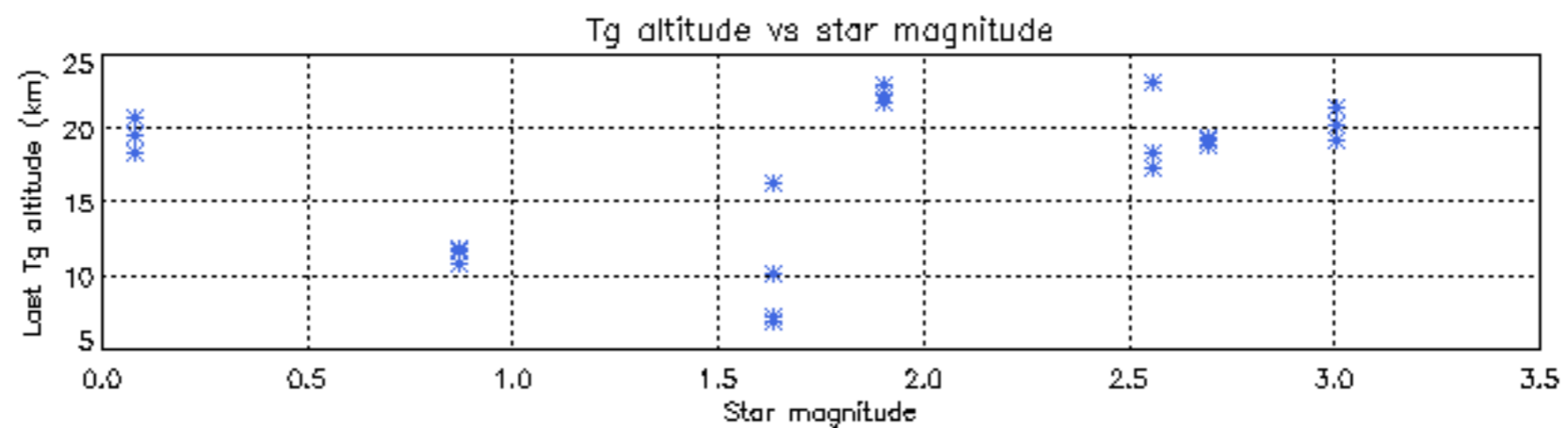
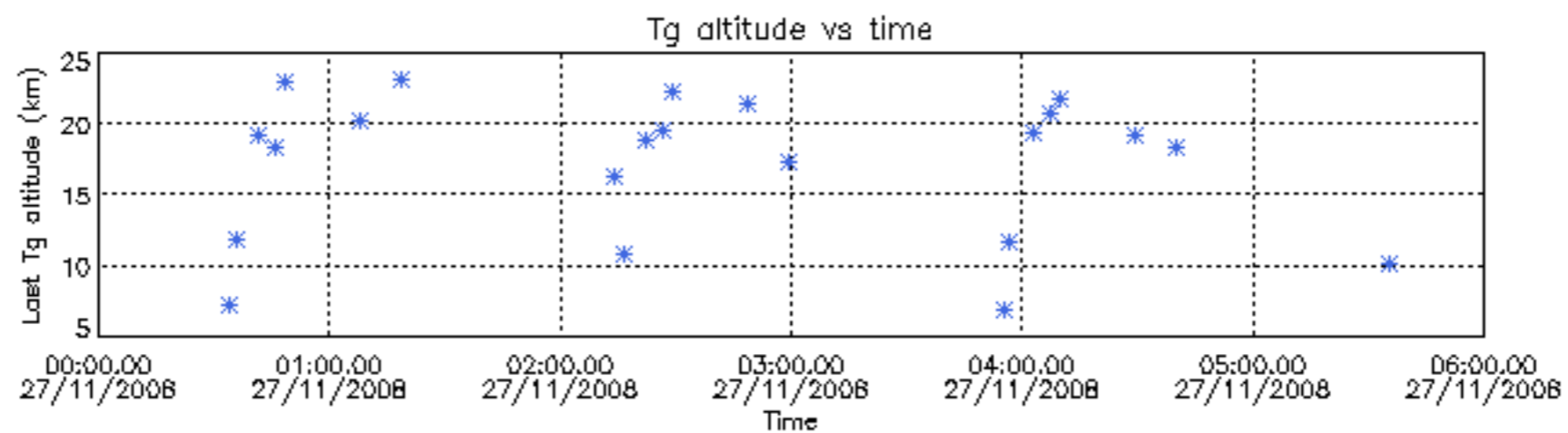


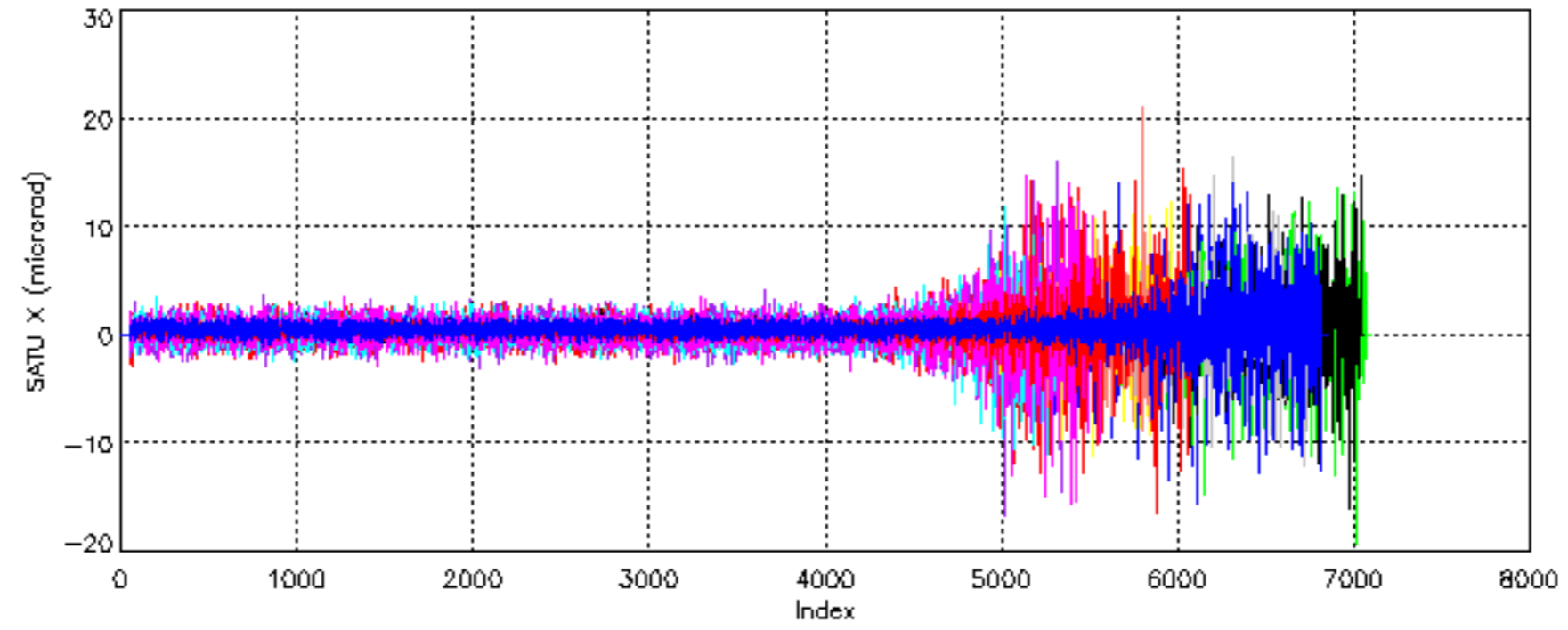
Tangent altitude at which the star is lost

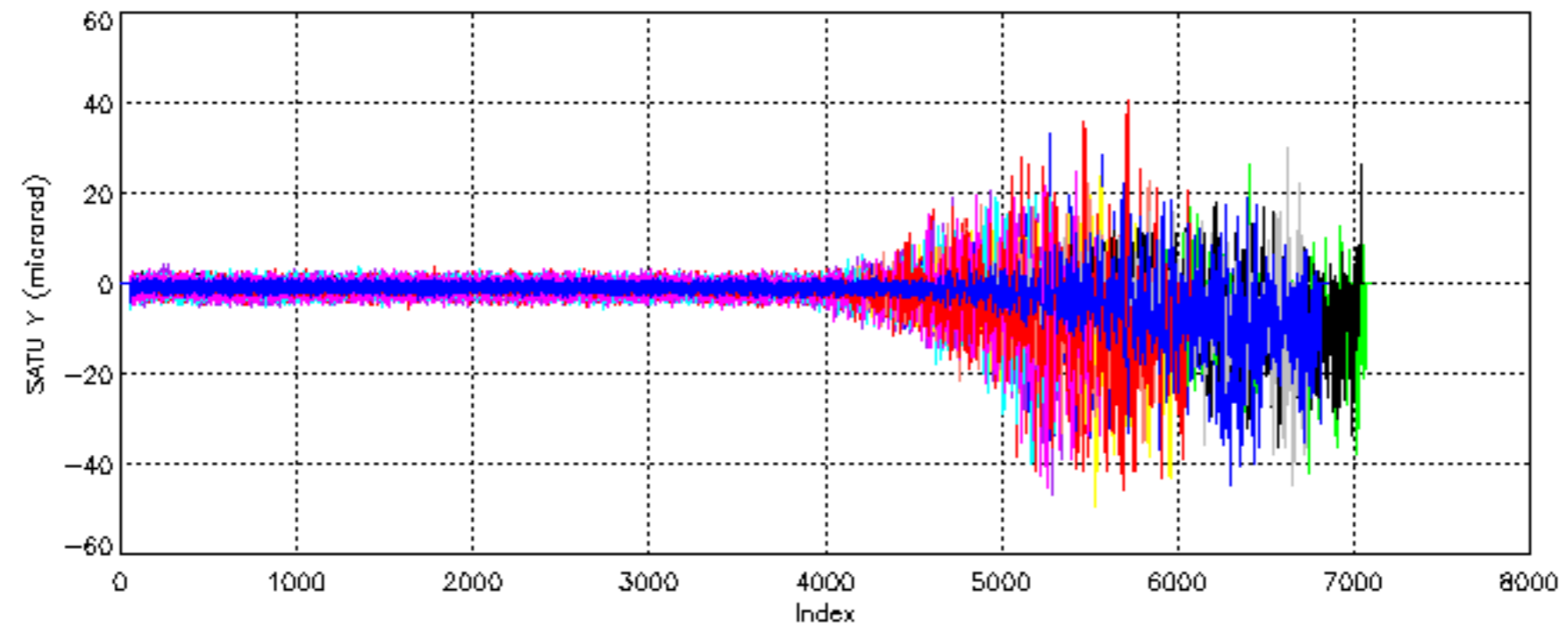


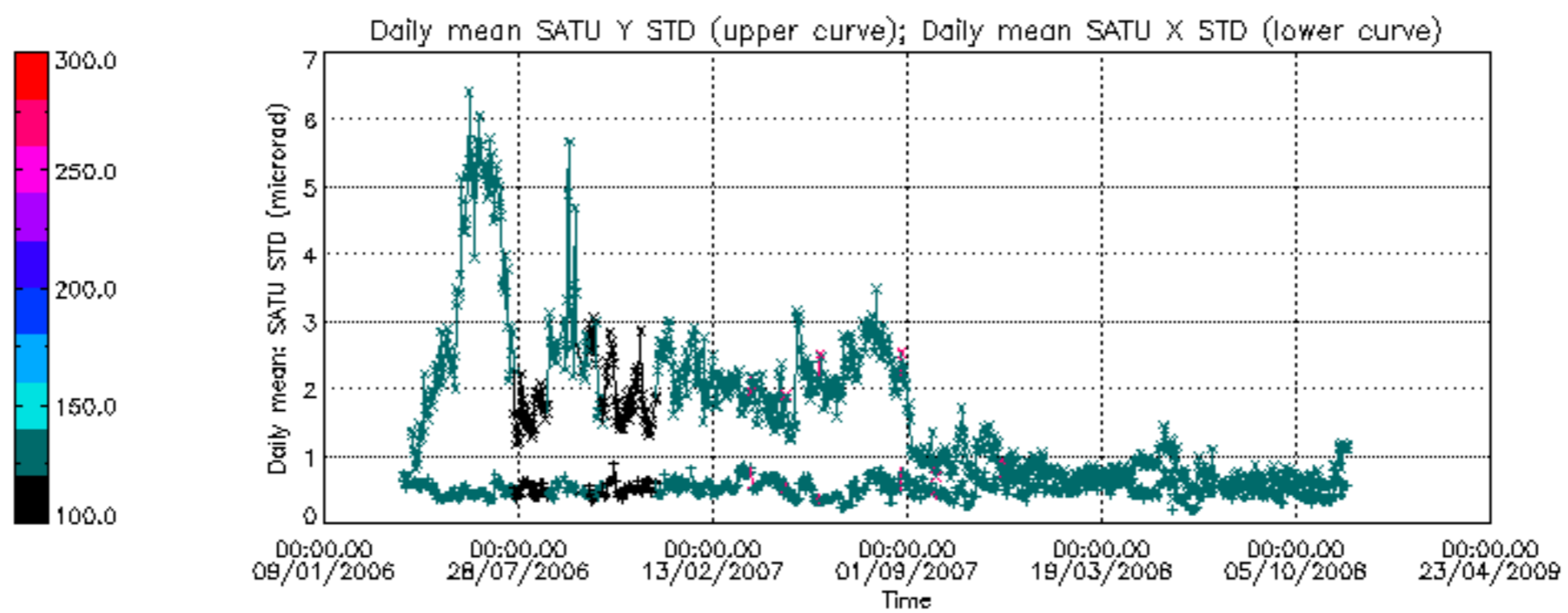


Tangent altitude at which the star is lost











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 4; 1133.1; 01-NOV-2008 05:35:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34886  
 5; 1508.8; 01-NOV-2008 05:41:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34886  
 6; 1878.7; 01-NOV-2008 05:47:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34886  
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 8; 2577.0; 01-NOV-2008 05:59:18; Bright; 58.5; 0; ; 0.00; 0;occ; 117; 0;34886  
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 2; 2271.2; 01-NOV-2008 20:59:36; Bright; 37.5; 105; 6Bet Ari ; 2.64; 8900;occ; 75; 0;34895  
 3; 2514.1; 01-NOV-2008 21:03:39; Bright; 37.5; 53; 43Bet And ; 2.05; 3300;occ; 75; 0;34895  
 4; 2656.8; 01-NOV-2008 21:06:02; Bright; 38.5; 73; 57Gam1And ; 2.26; 13100;occ; 77; 0;34895  
 5; 2868.1; 01-NOV-2008 21:09:33; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;34895  
 6; 2938.5; 01-NOV-2008 21:10:43; Bright; 36.0; 76; 27Gam Cas ; 2.30; 30000;occ; 72; 0;34895  
 7; 3423.5; 01-NOV-2008 21:18:48; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;34895  
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 9; 4007.6; 01-NOV-2008 21:28:33; Bright; 49.5; 82; 48Bet UMa ; 2.37; 10600;occ; 99; 0;34895  
 10; 4229.7; 01-NOV-2008 21:32:15; Bright; 57.0; 174; 52Psi UMa ; 3.00; 4400;occ; 114; 0;34895  
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 3; 147.1; 01-NOV-2008 22:04:48; Dark ; 44.0; 46; Del Vel ; 1.95; 10600;occ; 88; 0;34896  
 4; 226.6; 01-NOV-2008 22:06:07; Dark ; 51.0; 41; Eps Car ; 1.86; 4100;occ; 102; 0;34896  
 5; 537.3; 01-NOV-2008 22:11:18; Dark ; 63.0; 2; Alp Car ; -0.74; 7000;occ; 126; 0;34896  
 6; 1146.9; 01-NOV-2008 22:21:28; Dark ; 39.5; 157; The1Eri ; 2.91; 9300;occ; 79; 0;34896  
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 8; 2514.1; 01-NOV-2008 22:44:15; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;34896  
 9; 2656.5; 01-NOV-2008 22:46:37; Bright; 38.5; 73; 57Gam1And ; 2.26; 13100;occ; 77; 0;34896  
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 13; 3910.6; 01-NOV-2008 23:07:31; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;34896  
 14; 4007.4; 01-NOV-2008 23:09:08; Bright; 56.0; 82; 48Bet UMa ; 2.37; 10600;occ; 112; 0;34896  
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 8; 2514.0; 02-NOV-2008 00:24:51; Bright; 37.0; 53; 43Bet And ; 2.05; 3300;occ; 74; 0;34897  
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 6; -1167.0; 01-NOV-2008 06:37:31; Bright; 59.0; 0; ; 0.00; 0;occ; 118; 0;34886  
 7; 457.3; 01-NOV-2008 07:04:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34887  
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2; 2482.4; 01-NOV-2008 09:18:56; Bright; 92.0; 173; 4Bet Tri ; 3.00; 8900;occ; 184; 0;34888
3; 2869.5; 01-NOV-2008 09:25:23; Bright; 84.5; 74; 11Bet Cas ; 2.27; 6600;occ; 169; 0;34888
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5; 3857.1; 01-NOV-2008 09:41:50; Bright; 92.0; 36; 50Alp UMa ; 1.80; 6300;occ; 184; 0;34888
6; 4009.4; 01-NOV-2008 09:44:23; Bright; 93.0; 87; 64Gam UMa ; 2.43; 11000;occ; 186; 0;34888
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8; 4619.8; 01-NOV-2008 09:54:33; Bright; 94.0; 96; 68Del Leo ; 2.56; 9300;occ; 188; 0;34888
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4; 2868.0; 01-NOV-2008 12:46:33; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;34890
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13; 3909.0; 03-NOV-2008 00:16:29; Bright; 39.5; 36; 50Alp UMA ; 1.80; 6300;occ; 79; 0;34911
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4; -1356.7; 02-NOV-2008 07:43:20; Bright; 38.5; 96; 68Del Leo ; 2.56; 9300;occ; 77; 0;34901
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13; 6106.2; 02-NOV-2008 09:47:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34902
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16; 6578.6; 02-NOV-2008 09:55:35; Dark ; 47.5; 2; Alp Car ; -0.74; 7000;occ; 95; 0;34902
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 7; 3657.7; 02-NOV-2008 10:47:30; Bright; 32.0; 60; 7Bet UMi ; 2.08; 3950;occ; 64; 0;34903  
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 5; 2938.3; 02-NOV-2008 12:16:06; Bright; 39.5; 76; 27Gam Cas ; 2.30; 30000;occ; 79; 0;34904  
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 5; 2938.3; 02-NOV-2008 13:56:42; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;34905  
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 7; 3658.1; 02-NOV-2008 14:08:42; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;34905  
 8; 3909.7; 02-NOV-2008 14:12:54; Bright; 38.5; 36; 50Alp UMa ; 1.80; 6300;occ; 77; 0;34905  
 9; 4006.6; 02-NOV-2008 14:14:31; Bright; 38.0; 82; 48Bet UMa ; 2.37; 10600;occ; 76; 0;34905  
 10; 4230.1; 02-NOV-2008 14:18:14; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;34905  
 11; 4680.2; 02-NOV-2008 14:25:44; Bright; 58.0; 96; 68Del Leo ; 2.56; 9300;occ; 116; 0;34905  
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 13; 6108.5; 02-NOV-2008 14:49:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34905  
 14; 6189.8; 02-NOV-2008 14:50:54; Dark ; 40.0; 46; Del Vel ; 1.95; 10600;occ; 80; 0;34905  
 15; 6268.5; 02-NOV-2008 14:52:12; Dark ; 42.0; 41; Eps Car ; 1.86; 4100;occ; 84; 0;34905  
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 5; 2938.4; 02-NOV-2008 15:37:18; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;34906  
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4; 2653.8; 02-NOV-2008 17:13:10; Bright; 36.5; 73; 57Gam1And ; 2.26; 13100;occ; 73; 0;34907
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3; 2644.8; 05-NOV-2008 12:16:57; Bright; 38.0; 73; 57Gam1And ; 2.26; 13100;occ; 76; 0;34947
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9; 4229.8; 05-NOV-2008 12:43:22; Bright; 38.5; 174; 52Psi UMA ; 3.00; 4400;occ; 77; 0;34947
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3; 2644.7; 05-NOV-2008 13:57:33; Bright; 39.0; 73; 57Gam1And ; 2.26; 13100;occ; 78; 0;34948
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7; 3905.0; 05-NOV-2008 14:18:33; Bright; 56.0; 36; 50Alp UMa ; 1.80; 6300;occ; 112; 0;34948  
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6; 3665.2; 05-NOV-2008 15:55:09; Bright; 33.0; 60; 7Bet UMi ; 2.08; 3950;occ; 66; 0;34949  
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9; 4229.7; 05-NOV-2008 16:04:34; Bright; 41.0; 174; 52Psi UMa ; 3.00; 4400;occ; 82; 0;34949  
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8; 145.7; 09-NOV-2008 02:46:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34999  
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12; 1984.4; 09-NOV-2008 04:57:41; Dark ; 52.0; 94; 92Alp Cet ; 2.53; 3100;occ; 104; 0;35000
13; 2262.6; 09-NOV-2008 05:02:19; Bright; 38.0; 105; 6Bet Ari ; 2.64; 8900;occ; 76; 0;35000
14; 2512.4; 09-NOV-2008 05:06:29; Bright; 37.5; 173; 4Bet Tri ; 3.00; 8900;occ; 75; 0;35000
15; 2636.1; 09-NOV-2008 05:08:32; Bright; 37.0; 73; 57Gam1And ; 2.26; 13100;occ; 74; 0;35000
16; 2875.7; 09-NOV-2008 05:12:32; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;35000
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 8; 147.3; 09-NOV-2008 06:07:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35001
 9; 251.7; 09-NOV-2008 06:09:24; Dark ; 37.0; 29; Bet Car ; 1.67; 10200;occ; 74; 0;35001
10; 615.6; 09-NOV-2008 06:15:28; Dark ; 61.5; 2; Alp Car ; -0.74; 7000;occ; 123; 0;35001
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13; 2262.7; 09-NOV-2008 06:42:55; Bright; 37.0; 105; 6Bet Ari ; 2.64; 8900;occ; 74; 0;35001
14; 2512.1; 09-NOV-2008 06:47:04; Bright; 36.5; 173; 4Bet Tri ; 3.00; 8900;occ; 73; 0;35001
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16; 2876.0; 09-NOV-2008 06:53:08; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;35001
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 3; 2262.4; 09-NOV-2008 20:07:42; Bright; 36.0; 105; 6Bet Ari ; 2.64; 8900;occ; 72; 0;35009
 4; 2511.0; 09-NOV-2008 20:11:51; Bright; 35.5; 173; 4Bet Tri ; 3.00; 8900;occ; 71; 0;35009
 5; 2634.7; 09-NOV-2008 20:13:54; Bright; 36.5; 73; 57Gam1And ; 2.26; 13100;occ; 73; 0;35009
 6; 2876.8; 09-NOV-2008 20:17:57; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;35009
 7; 3422.8; 09-NOV-2008 20:27:03; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;35009
 8; 3896.2; 09-NOV-2008 20:34:56; Bright; 40.0; 36; 50Alp UMA ; 1.80; 6300;occ; 80; 0;35009
 9; 3994.1; 09-NOV-2008 20:36:34; Bright; 40.0; 82; 48Bet UMA ; 2.37; 10600;occ; 80; 0;35009
10; 4228.0; 09-NOV-2008 20:40:28; Bright; 42.0; 174; 52Psi UMA ; 3.00; 4400;occ; 84; 0;35009
11; 4319.7; 09-NOV-2008 20:41:59; Bright; 33.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 66; 0;35009
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 3; 154.6; 09-NOV-2008 21:13:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35010
 4; 255.0; 09-NOV-2008 21:14:51; Dark ; 37.0; 29; Bet Car ; 1.67; 10200;occ; 74; 0;35010
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 6; 1180.8; 09-NOV-2008 21:30:17; Dark ; 39.0; 157; The1Eri ; 2.91; 9300;occ; 78; 0;35010
 7; 1982.9; 09-NOV-2008 21:43:39; Dark ; 50.5; 94; 92Alp Cet ; 2.53; 3100;occ; 101; 0;35010
 8; 2262.6; 09-NOV-2008 21:48:18; Bright; 36.5; 105; 6Bet Ari ; 2.64; 8900;occ; 73; 0;35010
 9; 2510.7; 09-NOV-2008 21:52:26; Bright; 37.0; 173; 4Bet Tri ; 3.00; 8900;occ; 74; 0;35010
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 6; 1181.1; 09-NOV-2008 23:10:53; Dark ; 39.0; 157; The1Eri ; 2.91; 9300;occ; 78; 0;35011
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 8; 2262.2; 09-NOV-2008 23:28:54; Bright; 36.0; 105; 6Bet Ari ; 2.64; 8900;occ; 72; 0;35011
 9; 2510.6; 09-NOV-2008 23:33:02; Bright; 36.0; 173; 4Bet Tri ; 3.00; 8900;occ; 72; 0;35011
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16; 4319.8; 10-NOV-2008 00:03:11; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;35011
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 5; -1327.6; 09-NOV-2008 07:23:41; Bright; 33.0; 96; 68Del Leo ; 2.56; 9300;occ; 66; 0;35001
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 4; 2635.8; 09-NOV-2008 08:29:44; Bright; 38.5; 73; 57Gam1And ; 2.26; 13100;occ; 77; 0;35002
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9; 4228.0; 09-NOV-2008 15:38:40; Bright; 39.5; 174; 52Psi UMa ; 3.00; 4400;occ; 79; 0;35006
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4; 2511.3; 09-NOV-2008 16:50:39; Bright; 36.0; 173; 4Bet Tri ; 3.00; 8900;occ; 72; 0;35007
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7; 3422.9; 09-NOV-2008 17:05:51; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;35007
8; 3896.5; 09-NOV-2008 17:13:44; Bright; 42.5; 36; 50Alp UMa ; 1.80; 6300;occ; 85; 0;35007
9; 3994.5; 09-NOV-2008 17:15:22; Bright; 41.0; 82; 48Bet UMa ; 2.37; 10600;occ; 82; 0;35007
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 9; 3994.3; 09-NOV-2008 18:55:58; Bright; 37.5; 82; 48Bet UMA ; 2.37; 10600;occ; 75; 0;35008
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 3; 156.3; 10-NOV-2008 00:34:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35012
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 5; 623.3; 10-NOV-2008 00:42:11; Dark ; 48.0; 2; Alp Car ;-0.74; 7000;occ; 96; 0;35012
 6; 1181.3; 10-NOV-2008 00:51:29; Dark ; 38.5; 157; The1Eri ; 2.91; 9300;occ; 77; 0;35012
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 8; 2262.2; 10-NOV-2008 01:09:30; Bright; 36.5; 105; 6Bet Ari ; 2.64; 8900;occ; 73; 0;35012
 9; 2510.4; 10-NOV-2008 01:13:38; Bright; 36.0; 173; 4Bet Tri ; 3.00; 8900;occ; 72; 0;35012
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13; 3674.3; 10-NOV-2008 01:33:02; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;35012
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15; 3993.7; 10-NOV-2008 01:38:21; Bright; 38.5; 82; 48Bet UMA ; 2.37; 10600;occ; 77; 0;35012
16; 4227.5; 10-NOV-2008 01:42:15; Bright; 42.5; 174; 52Psi UMA ; 3.00; 4400;occ; 85; 0;35012
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 6; 1181.7; 10-NOV-2008 02:32:05; Dark ; 40.0; 157; The1Eri ; 2.91; 9300;occ; 80; 0;35013
 7; 1982.5; 10-NOV-2008 02:45:26; Dark ; 49.5; 94; 92Alp Cet ; 2.53; 3100;occ; 99; 0;35013
 8; 2262.2; 10-NOV-2008 02:50:05; Bright; 37.5; 105; 6Bet Ari ; 2.64; 8900;occ; 75; 0;35013
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10; 2634.2; 10-NOV-2008 02:56:17; Bright; 37.0; 73; 57Gam1And ; 2.26; 13100;occ; 74; 0;35013
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12; 3422.7; 10-NOV-2008 03:09:26; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;35013
13; 3674.5; 10-NOV-2008 03:13:38; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;35013
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 13; 2930.0; 11-NOV-2008 00:49:00; Bright; 33.0; 110; 37Del Cas ; 2.68; 8900;occ; 66; 0;35026  
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 18; 4226.9; 11-NOV-2008 01:10:37; Bright; 41.5; 174; 52Psi UMa ; 3.00; 4400;occ; 83; 0;35026  
 19; 4321.8; 11-NOV-2008 01:12:12; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;35026  
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 9; 159.5; 10-NOV-2008 07:16:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35016  
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 11; 626.3; 10-NOV-2008 07:24:37; Dark ; 50.5; 2; Alp Car ;-0.74; 7000;occ; 101; 0;35016  
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 8; 3895.1; 10-NOV-2008 08:19:06; Bright; 40.0; 36; 50Alp UMa ; 1.80; 6300;occ; 80; 0;35016  
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 13; 5385.9; 10-NOV-2008 08:43:57; Dark ; 42.0; 171; 2Eps Crv ; 3.00; 4250;occ; 84; 0;35016  
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 5; 2877.9; 10-NOV-2008 09:42:45; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;35017  
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 12; 4785.2; 10-NOV-2008 10:14:32; Bright; 40.0; 62; 94Bet Leo ; 2.14; 9700;occ; 80; 0;35017  
 13; 5386.2; 10-NOV-2008 10:24:33; Dark ; 42.0; 171; 2Eps Crv ; 3.00; 4250;occ; 84; 0;35017  
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17; 6663.5; 10-NOV-2008 10:45:51; Dark ; 47.5; 2; Alp Car ; -0.74; 7000;occ; 95; 0;35017
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 6; 3422.7; 10-NOV-2008 11:32:26; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;35018
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 8; 3894.7; 10-NOV-2008 11:40:18; Bright; 39.0; 36; 50Alp UMa ; 1.80; 6300;occ; 78; 0;35018
 9; 3992.8; 10-NOV-2008 11:41:56; Bright; 41.5; 82; 48Bet UMa ; 2.37; 10600;occ; 83; 0;35018
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13; 5386.6; 10-NOV-2008 12:05:10; Dark ; 38.5; 171; 2Eps Crv ; 3.00; 4250;occ; 77; 0;35018
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17; 6664.4; 10-NOV-2008 12:26:27; Dark ; 59.5; 2; Alp Car ; -0.74; 7000;occ; 119; 0;35018
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 4; 2633.7; 10-NOV-2008 12:59:52; Bright; 36.5; 73; 57Gam1And ; 2.26; 13100;occ; 73; 0;35019
 5; 2878.1; 10-NOV-2008 13:03:57; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;35019
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 9; 3992.6; 10-NOV-2008 13:22:31; Bright; 38.5; 82; 48Bet UMa ; 2.37; 10600;occ; 77; 0;35019
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13; 1185.9; 11-NOV-2008 05:21:44; Dark ; 39.0; 157; The1Eri ; 2.91; 9300;occ; 78; 0;35029
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9; 3677.8; 11-NOV-2008 21:08:39; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;35038
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9; 2262.3; 11-NOV-2008 22:25:40; Bright; 36.0; 105; 6Bet Ari ; 2.64; 8900;occ; 72; 0;35039

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 19; 6245.0; 14-NOV-2008 11:53:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35075  
 20; 6422.4; 14-NOV-2008 11:56:33; Dark ; 35.0; 34; Gam2Vel ; 1.79; 23000;occ; 70; 0;35075  
 21; 6703.7; 14-NOV-2008 12:01:14; Dark ; 50.5; 2; Alp Car ; -0.74; 7000;occ; 101; 0;35075  
 22; 7233.5; 14-NOV-2008 12:10:04; Dark ; 37.5; 157; The1Eri ; 2.91; 9300;occ; 75; 0;35075

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1; 1976.3; 14-NOV-2008 12:23:03; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;35076  
 2; 2263.8; 14-NOV-2008 12:27:50; Bright; 37.0; 105; 6Bet Ari ; 2.64; 8900;occ; 74; 0;35076  
 3; 2504.9; 14-NOV-2008 12:31:51; Bright; 34.5; 173; 4Bet Tri ; 3.00; 8900;occ; 69; 0;35076  
 4; 2628.9; 14-NOV-2008 12:33:55; Bright; 37.5; 73; 57Gam1And ; 2.26; 13100;occ; 75; 0;35076  
 5; 2820.8; 14-NOV-2008 12:37:07; Bright; 41.0; 35; 33Alp Per ; 1.79; 6250;occ; 82; 0;35076  
 6; 2930.8; 14-NOV-2008 12:38:57; Bright; 35.0; 110; 37Del Cas ; 2.68; 8900;occ; 70; 0;35076  
 7; 3422.5; 14-NOV-2008 12:47:09; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;35076  
 8; 3682.6; 14-NOV-2008 12:51:29; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;35076  
 9; 3884.3; 14-NOV-2008 12:54:51; Bright; 41.5; 36; 50Alp UMa ; 1.80; 6300;occ; 83; 0;35076  
 10; 3982.7; 14-NOV-2008 12:56:29; Bright; 40.0; 82; 48Bet UMa ; 2.37; 10600;occ; 80; 0;35076  
 11; 4118.8; 14-NOV-2008 12:58:45; Bright; 35.0; 39; 85Eta UMa ; 1.85; 24000;occ; 70; 0;35076  
 12; 4327.9; 14-NOV-2008 13:02:14; Bright; 34.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 68; 0;35076  
 13; 4805.6; 14-NOV-2008 13:10:12; Bright; 39.5; 62; 94Bet Leo ; 2.14; 9700;occ; 79; 0;35076  
 14; 5019.3; 14-NOV-2008 13:13:46; Bright; 35.0; 121; 29Gam Vir ; 2.74; 7200;occ; 70; 0;35076  
 15; 5320.1; 14-NOV-2008 13:18:47; Dark ; 41.0; 100; 4Gam Crv ; 2.58; 13100;occ; 82; 0;35076  
 16; 5411.0; 14-NOV-2008 13:20:17; Dark ; 41.5; 171; 2Eps Crv ; 3.00; 4250;occ; 83; 0;35076  
 17; 5963.8; 14-NOV-2008 13:29:30; Dark ; 39.5; 113; Mu Vel ; 2.69; 5000;occ; 79; 0;35076  
 18; 6144.2; 14-NOV-2008 13:32:31; Dark ; 37.0; 124; The Car ; 2.76; 30000;occ; 74; 0;35076  
 19; 6245.9; 14-NOV-2008 13:34:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35076  
 20; 6423.4; 14-NOV-2008 13:37:10; Dark ; 35.0; 34; Gam2Vel ; 1.79; 23000;occ; 70; 0;35076  
 21; 6704.4; 14-NOV-2008 13:41:51; Dark ; 52.5; 2; Alp Car ; -0.74; 7000;occ; 105; 0;35076  
 22; 7233.8; 14-NOV-2008 13:50:40; Dark ; 37.5; 157; The1Eri ; 2.91; 9300;occ; 75; 0;35076

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1; 1976.3; 14-NOV-2008 14:03:39; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;35077  
 2; 2263.7; 14-NOV-2008 14:08:26; Bright; 36.5; 105; 6Bet Ari ; 2.64; 8900;occ; 73; 0;35077  
 3; 2504.8; 14-NOV-2008 14:12:27; Bright; 34.0; 173; 4Bet Tri ; 3.00; 8900;occ; 68; 0;35077  
 4; 2628.9; 14-NOV-2008 14:14:31; Bright; 36.5; 73; 57Gam1And ; 2.26; 13100;occ; 73; 0;35077  
 5; 2820.6; 14-NOV-2008 14:17:43; Bright; 40.0; 35; 33Alp Per ; 1.79; 6250;occ; 80; 0;35077  
 6; 2930.9; 14-NOV-2008 14:19:33; Bright; 35.0; 110; 37Del Cas ; 2.68; 8900;occ; 70; 0;35077  
 7; 3422.7; 14-NOV-2008 14:27:45; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;35077  
 8; 3682.8; 14-NOV-2008 14:32:05; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;35077  
 9; 3884.3; 14-NOV-2008 14:35:27; Bright; 58.0; 36; 50Alp UMa ; 1.80; 6300;occ; 116; 0;35077  
 10; 3982.6; 14-NOV-2008 14:37:05; Bright; 39.0; 82; 48Bet UMa ; 2.37; 10600;occ; 78; 0;35077  
 11; 4119.0; 14-NOV-2008 14:39:21; Bright; 34.0; 39; 85Eta UMa ; 1.85; 24000;occ; 68; 0;35077  
 12; 4328.0; 14-NOV-2008 14:42:50; Bright; 35.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 70; 0;35077  
 13; 4806.0; 14-NOV-2008 14:50:48; Bright; 42.0; 62; 94Bet Leo ; 2.14; 9700;occ; 84; 0;35077  
 14; 5019.7; 14-NOV-2008 14:54:22; Bright; 42.5; 121; 29Gam Vir ; 2.74; 7200;occ; 85; 0;35077  
 15; 5320.6; 14-NOV-2008 14:59:23; Dark ; 38.5; 100; 4Gam Crv ; 2.58; 13100;occ; 77; 0;35077  
 16; 5411.5; 14-NOV-2008 15:00:54; Dark ; 40.5; 171; 2Eps Crv ; 3.00; 4250;occ; 81; 0;35077  
 17; 5964.5; 14-NOV-2008 15:10:07; Dark ; 41.5; 113; Mu Vel ; 2.69; 5000;occ; 83; 0;35077  
 18; 6144.6; 14-NOV-2008 15:13:07; Dark ; 36.5; 124; The Car ; 2.76; 30000;occ; 73; 0;35077  
 19; 6246.8; 14-NOV-2008 15:14:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35077  
 20; 6424.4; 14-NOV-2008 15:17:47; Dark ; 34.0; 34; Gam2Vel ; 1.79; 23000;occ; 68; 0;35077  
 21; 6705.2; 14-NOV-2008 15:22:27; Dark ; 47.5; 2; Alp Car ; -0.74; 7000;occ; 95; 0;35077  
 22; 7234.1; 14-NOV-2008 15:31:16; Dark ; 36.5; 157; The1Eri ; 2.91; 9300;occ; 73; 0;35077

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1; 1976.3; 14-NOV-2008 15:44:15; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;35078  
 2; 2263.8; 14-NOV-2008 15:49:02; Bright; 37.0; 105; 6Bet Ari ; 2.64; 8900;occ; 74; 0;35078  
 3; 2504.7; 14-NOV-2008 15:53:03; Bright; 36.5; 173; 4Bet Tri ; 3.00; 8900;occ; 73; 0;35078  
 4; 2628.8; 14-NOV-2008 15:55:07; Bright; 37.0; 73; 57Gam1And ; 2.26; 13100;occ; 74; 0;35078  
 5; 2820.1; 14-NOV-2008 15:58:18; Bright; 40.5; 35; 33Alp Per ; 1.79; 6250;occ; 81; 0;35078  
 6; 2931.0; 14-NOV-2008 16:00:09; Bright; 35.5; 110; 37Del Cas ; 2.68; 8900;occ; 71; 0;35078  
 7; 3422.6; 14-NOV-2008 16:08:21; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;35078  
 8; 3682.8; 14-NOV-2008 16:12:41; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;35078  
 9; 3884.1; 14-NOV-2008 16:16:02; Bright; 43.0; 36; 50Alp UMa ; 1.80; 6300;occ; 86; 0;35078  
 10; 3982.4; 14-NOV-2008 16:17:41; Bright; 43.0; 82; 48Bet UMa ; 2.37; 10600;occ; 86; 0;35078  
 11; 4119.2; 14-NOV-2008 16:19:57; Bright; 34.5; 39; 85Eta UMa ; 1.85; 24000;occ; 69; 0;35078  
 12; 4328.0; 14-NOV-2008 16:23:26; Bright; 38.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 76; 0;35078  
 13; 4806.3; 14-NOV-2008 16:31:25; Bright; 40.5; 62; 94Bet Leo ; 2.14; 9700;occ; 81; 0;35078  
 14; 5019.9; 14-NOV-2008 16:34:58; Bright; 53.0; 121; 29Gam Vir ; 2.74; 7200;occ; 106; 0;35078  
 15; 5321.0; 14-NOV-2008 16:39:59; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;35078  
 16; 5411.9; 14-NOV-2008 16:41:30; Dark ; 40.5; 171; 2Eps Crv ; 3.00; 4250;occ; 81; 0;35078  
 17; 5965.1; 14-NOV-2008 16:50:43; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;35078

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1; 422.2; 14-NOV-2008 18:39:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35080  
 2; 600.3; 14-NOV-2008 18:42:31; Dark ; 101.5; 132; 15Rho Pup ; 2.80; 6900;occ; 203; 0;35080  
 3; 788.8; 14-NOV-2008 18:45:39; Dark ; 81.0; 88; 31Eta CMa ; 2.45; 20000;occ; 162; 0;35080  
 4; 927.0; 14-NOV-2008 18:47:57; Dark ; 80.5; 23; 21Eps CMa ; 1.50; 26000;occ; 161; 0;35080

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1; 951.0; 14-NOV-2008 18:48:21; Dark ; 81.0; 23; 21Eps CMa ; 1.50; 26000;occ; 162; 48;35080  
 2; 1073.1; 14-NOV-2008 18:50:23; Dark ; 56.0; 108; Alp Col ; 2.65; 15200;occ; 112; 0;35080  
 3; 1450.1; 14-NOV-2008 18:56:40; Dark ; 26.0; 47; 2Bet CMa ; 1.98; 28000;occ; 52; 0;35080  
 4; 1500.1; 14-NOV-2008 18:57:30; Dark ; 74.0; 101; 11Alp Lep ; 2.58; 7000;occ; 148; 0;35080  
 5; 1798.4; 14-NOV-2008 19:02:29; Dark ; 85.0; 7; 19Bet Ori ; 0.10; 14000;occ; 170; 0;35080  
 6; 1926.8; 14-NOV-2008 19:04:37; Dark ; 35.0; 125; 44Iot Ori ; 2.77; 30000;occ; 70; 0;35080  
 7; 2369.3; 14-NOV-2008 19:12:00; Bright; 64.0; 13; 87Alp Tau ; 0.87; 3800;occ; 128; 0;35080  
 8; 2562.3; 14-NOV-2008 19:15:13; Bright; 44.0; 150; 44Zet Per ; 2.89; 28000;occ; 88; 0;35080  
 9; 2788.3; 14-NOV-2008 19:18:59; Bright; 58.0; 114; 3Iot Aur ; 2.69; 4600;occ; 116; 0;35080  
 10; 3044.8; 14-NOV-2008 19:23:15; Bright; 57.0; 6; 13Alp Aur ; 0.08; 3400;occ; 114; 0;35080  
 11; 3229.8; 14-NOV-2008 19:26:20; Bright; 64.0; 42; 34Bet Aur ; 1.90; 10200;occ; 128; 0;35080  
 12; 4835.7; 14-NOV-2008 19:53:06; Bright; 88.0; 166; 17Eps Leo ; 2.98; 6000;occ; 176; 0;35080  
 13; 5122.3; 14-NOV-2008 19:57:53; Dark ; 83.0; 22; 32Alp Leo ; 1.36; 15200;occ; 166; 0;35080  
 14; 5905.1; 14-NOV-2008 20:10:55; Dark ; 111.0; 48; 30Alp Hya ; 1.98; 4100;occ; 222; 0;35080  
 15; 6460.1; 14-NOV-2008 20:20:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35080  
 16; 6638.4; 14-NOV-2008 20:23:09; Dark ; 98.5; 132; 15Rho Pup ; 2.80; 6900;occ; 197; 0;35080  
 17; 6826.2; 14-NOV-2008 20:26:16; Dark ; 79.0; 88; 31Eta CMa ; 2.45; 20000;occ; 158; 0;35080  
 18; 6964.1; 14-NOV-2008 20:28:34; Dark ; 82.0; 23; 21Eps CMa ; 1.50; 26000;occ; 164; 0;35080  
 19; 7109.8; 14-NOV-2008 20:31:00; Dark ; 22.0; 108; Alp Col ; 2.65; 15200;occ; 44; 0;35080

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1; -121.9; 15-NOV-2008 01:12:52; Dark ; 108.0; 48; 30Alp Hya ; 1.98; 4100;occ; 216; 0;35083  
 2; 430.2; 15-NOV-2008 01:22:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35084  
 3; 689.2; 15-NOV-2008 01:26:23; Dark ; 65.5; 117; Pi Pup ; 2.71; 3800;occ; 131; 0;35084  
 4; 794.8; 15-NOV-2008 01:28:09; Dark ; 80.0; 88; 31Eta CMa ; 2.45; 20000;occ; 160; 0;35084  
 5; 932.1; 15-NOV-2008 01:30:26; Dark ; 76.5; 23; 21Eps CMa ; 1.50; 26000;occ; 153; 0;35084  
 6; 1075.9; 15-NOV-2008 01:32:50; Dark ; 53.0; 108; Alp Col ; 2.65; 15200;occ; 106; 0;35084  
 7; 1451.5; 15-NOV-2008 01:39:05; Dark ; 34.0; 47; 2Bet CMa ; 1.98; 28000;occ; 68; 0;35084  
 8; 1796.7; 15-NOV-2008 01:44:51; Dark ; 86.0; 7; 19Bet Ori ; 0.10; 14000;occ; 172; 0;35084  
 9; 1922.8; 15-NOV-2008 01:46:57; Dark ; 48.0; 125; 44Iot Ori ; 2.77; 30000;occ; 96; 0;35084  
 10; 2365.6; 15-NOV-2008 01:54:19; Bright; 63.0; 13; 87Alp Tau ; 0.87; 3800;occ; 126; 0;35084  
 11; 2559.9; 15-NOV-2008 01:57:34; Bright; 44.5; 150; 44Zet Per ; 2.89; 28000;occ; 89; 0;35084  
 12; 2783.4; 15-NOV-2008 02:01:17; Bright; 59.5; 114; 3Iot Aur ; 2.69; 4600;occ; 119; 0;35084  
 13; 3040.3; 15-NOV-2008 02:05:34; Bright; 55.5; 6; 13Alp Aur ; 0.08; 3400;occ; 111; 0;35084  
 14; 3224.4; 15-NOV-2008 02:08:38; Bright; 57.5; 42; 34Bet Aur ; 1.90; 10200;occ; 115; 0;35084

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1; -1196.3; 15-NOV-2008 02:35:33; Bright; 88.5; 166; 17Eps Leo ; 2.98; 6000;occ; 177; 0;35084  
 2; -908.1; 15-NOV-2008 02:40:22; Dark ; 87.5; 22; 32Alp Leo ; 1.36; 15200;occ; 175; 0;35084  
 3; -118.9; 15-NOV-2008 02:53:31; Dark ; 116.5; 48; 30Alp Hya ; 1.98; 4100;occ; 233; 0;35084  
 4; 432.3; 15-NOV-2008 03:02:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35085  
 5; 690.5; 15-NOV-2008 03:07:00; Dark ; 63.0; 117; Pi Pup ; 2.71; 3800;occ; 126; 0;35085  
 6; 796.4; 15-NOV-2008 03:08:46; Dark ; 78.0; 88; 31Eta CMa ; 2.45; 20000;occ; 156; 0;35085  
 7; 933.4; 15-NOV-2008 03:11:03; Dark ; 82.0; 23; 21Eps CMa ; 1.50; 26000;occ; 164; 0;35085  
 8; 1076.3; 15-NOV-2008 03:13:26; Dark ; 51.0; 108; Alp Col ; 2.65; 15200;occ; 102; 0;35085  
 9; 1451.8; 15-NOV-2008 03:19:41; Dark ; 34.0; 47; 2Bet CMa ; 1.98; 28000;occ; 68; 0;35085



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10; 1796.5; 15-NOV-2008 03:25:26; Dark ; 88.5; 7; 19Bet Ori ; 0.10; 14000;occ; 177; 0;35085
11; 1921.9; 15-NOV-2008 03:27:32; Dark ; 48.0; 125; 44Iot Ori ; 2.77; 30000;occ; 96; 0;35085
12; 2364.7; 15-NOV-2008 03:34:54; Bright; 62.0; 13; 87Alp Tau ; 0.87; 3800;occ; 124; 0;35085
13; 2559.2; 15-NOV-2008 03:38:09; Bright; 44.0; 150; 44Zet Per ; 2.89; 28000;occ; 88; 0;35085
14; 2782.1; 15-NOV-2008 03:41:52; Bright; 59.0; 114; 3Iot Aur ; 2.69; 4600;occ; 118; 0;35085
15; 3039.3; 15-NOV-2008 03:46:09; Bright; 57.0; 6; 13Alp Aur ; 0.08; 3400;occ; 114; 0;35085
16; 3222.9; 15-NOV-2008 03:49:13; Bright; 61.0; 42; 34Bet Aur ; 1.90; 10200;occ; 122; 0;35085
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 2; -906.7; 15-NOV-2008 04:20:59; Dark ; 82.5; 22; 32Alp Leo ; 1.36; 15200;occ; 165; 0;35085
 3; -116.1; 15-NOV-2008 04:34:10; Dark ; 110.0; 48; 30Alp Hya ; 1.98; 4100;occ; 220; 0;35085
 4; 434.3; 15-NOV-2008 04:43:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35086
 5; 691.7; 15-NOV-2008 04:47:37; Dark ; 66.0; 117; Pi Pup ; 2.71; 3800;occ; 132; 0;35086
 6; 797.9; 15-NOV-2008 04:49:24; Dark ; 77.5; 88; 31Eta CMa ; 2.45; 20000;occ; 155; 0;35086
 7; 934.6; 15-NOV-2008 04:51:40; Dark ; 81.0; 23; 21Eps CMa ; 1.50; 26000;occ; 162; 0;35086
 8; 1077.0; 15-NOV-2008 04:54:03; Dark ; 52.5; 108; Alp Col ; 2.65; 15200;occ; 105; 0;35086
 9; 1452.1; 15-NOV-2008 05:00:18; Dark ; 38.0; 47; 2Bet CMa ; 1.98; 28000;occ; 76; 0;35086
10; 1795.9; 15-NOV-2008 05:06:02; Dark ; 87.0; 7; 19Bet Ori ; 0.10; 14000;occ; 174; 0;35086
11; 1921.1; 15-NOV-2008 05:08:07; Dark ; 54.0; 125; 44Iot Ori ; 2.77; 30000;occ; 108; 0;35086
12; 2363.7; 15-NOV-2008 05:15:29; Bright; 62.5; 13; 87Alp Tau ; 0.87; 3800;occ; 125; 0;35086
13; 2558.7; 15-NOV-2008 05:18:44; Bright; 43.0; 150; 44Zet Per ; 2.89; 28000;occ; 86; 0;35086
14; 2781.0; 15-NOV-2008 05:22:27; Bright; 58.5; 114; 3Iot Aur ; 2.69; 4600;occ; 117; 0;35086
15; 3038.3; 15-NOV-2008 05:26:44; Bright; 60.5; 6; 13Alp Aur ; 0.08; 3400;occ; 121; 0;35086
16; 3221.5; 15-NOV-2008 05:29:47; Bright; 62.0; 42; 34Bet Aur ; 1.90; 10200;occ; 124; 0;35086
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 2; -905.3; 15-NOV-2008 06:01:36; Dark ; 92.0; 22; 32Alp Leo ; 1.36; 15200;occ; 184; 0;35086
 3; -113.0; 15-NOV-2008 06:14:49; Dark ; 114.5; 48; 30Alp Hya ; 1.98; 4100;occ; 229; 0;35086
 4; 436.3; 15-NOV-2008 06:23:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35087
 5; 692.8; 15-NOV-2008 06:28:15; Dark ; 61.0; 117; Pi Pup ; 2.71; 3800;occ; 122; 0;35087
 6; 799.4; 15-NOV-2008 06:30:01; Dark ; 77.0; 88; 31Eta CMa ; 2.45; 20000;occ; 154; 0;35087
 7; 935.9; 15-NOV-2008 06:32:18; Dark ; 81.5; 23; 21Eps CMa ; 1.50; 26000;occ; 163; 0;35087
 8; 1077.8; 15-NOV-2008 06:34:39; Dark ; 53.0; 108; Alp Col ; 2.65; 15200;occ; 106; 0;35087
 9; 1452.4; 15-NOV-2008 06:40:54; Dark ; 38.0; 47; 2Bet CMa ; 1.98; 28000;occ; 76; 0;35087
10; 1795.6; 15-NOV-2008 06:46:37; Dark ; 84.0; 7; 19Bet Ori ; 0.10; 14000;occ; 168; 0;35087
11; 1920.2; 15-NOV-2008 06:48:42; Dark ; 54.0; 125; 44Iot Ori ; 2.77; 30000;occ; 108; 0;35087
12; 2362.9; 15-NOV-2008 06:56:05; Bright; 61.5; 13; 87Alp Tau ; 0.87; 3800;occ; 123; 0;35087
13; 2558.0; 15-NOV-2008 06:59:20; Bright; 44.5; 150; 44Zet Per ; 2.89; 28000;occ; 89; 0;35087
14; 2779.7; 15-NOV-2008 07:03:01; Bright; 58.5; 114; 3Iot Aur ; 2.69; 4600;occ; 117; 0;35087
15; 3037.2; 15-NOV-2008 07:07:19; Bright; 56.5; 6; 13Alp Aur ; 0.08; 3400;occ; 113; 0;35087
16; 3219.9; 15-NOV-2008 07:10:22; Bright; 62.5; 42; 34Bet Aur ; 1.90; 10200;occ; 125; 0;35087
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 1; 871.4; 15-NOV-2008 19:56:00; Dark ; 79.0; 88; 31Eta CMa ; 2.45; 20000;occ; 158; 120;35095
 2; 945.9; 15-NOV-2008 19:57:15; Dark ; 84.0; 23; 21Eps CMa ; 1.50; 26000;occ; 168; 0;35095
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 4; 1455.0; 15-NOV-2008 20:05:44; Dark ; 54.0; 47; 2Bet CMa ; 1.98; 28000;occ; 108; 0;35095
 5; 1792.7; 15-NOV-2008 20:11:22; Dark ; 82.0; 7; 19Bet Ori ; 0.10; 14000;occ; 164; 0;35095
 6; 1913.3; 15-NOV-2008 20:13:22; Dark ; 80.0; 125; 44Iot Ori ; 2.77; 30000;occ; 160; 0;35095
 7; 2355.7; 15-NOV-2008 20:20:45; Bright; 62.0; 13; 87Alp Tau ; 0.87; 3800;occ; 124; 0;35095
 8; 2769.9; 15-NOV-2008 20:27:39; Bright; 59.0; 114; 3Iot Aur ; 2.69; 4600;occ; 118; 0;35095
 9; 3028.8; 15-NOV-2008 20:31:58; Bright; 56.0; 6; 13Alp Aur ; 0.08; 3400;occ; 112; 0;35095
10; 3208.7; 15-NOV-2008 20:34:58; Bright; 64.5; 42; 34Bet Aur ; 1.90; 10200;occ; 129; 0;35095
11; 4742.0; 15-NOV-2008 21:00:31; Bright; 47.0; 96; 68Del Leo ; 2.56; 9300;occ; 94; 0;35095
12; 4850.8; 15-NOV-2008 21:02:20; Dark ; 100.0; 166; 17Eps Leo ; 2.98; 6000;occ; 200; 0;35095
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 3; 454.4; 15-NOV-2008 21:29:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35096
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 5; 812.9; 15-NOV-2008 21:35:38; Dark ; 80.5; 88; 31Eta CMa ; 2.45; 20000;occ; 161; 0;35096
 6; 946.9; 15-NOV-2008 21:37:52; Dark ; 83.5; 23; 21Eps CMa ; 1.50; 26000;occ; 167; 0;35096
 7; 1083.4; 15-NOV-2008 21:40:08; Dark ; 52.5; 108; Alp Col ; 2.65; 15200;occ; 105; 0;35096
 8; 1455.4; 15-NOV-2008 21:46:20; Dark ; 58.0; 47; 2Bet CMa ; 1.98; 28000;occ; 116; 0;35096
 9; 1792.2; 15-NOV-2008 21:51:57; Dark ; 83.5; 7; 19Bet Ori ; 0.10; 14000;occ; 167; 0;35096
10; 1912.3; 15-NOV-2008 21:53:57; Dark ; 86.0; 125; 44Iot Ori ; 2.77; 30000;occ; 172; 0;35096
11; 2354.7; 15-NOV-2008 22:01:20; Bright; 62.0; 13; 87Alp Tau ; 0.87; 3800;occ; 124; 0;35096
12; 2768.6; 15-NOV-2008 22:08:14; Bright; 56.5; 114; 3Iot Aur ; 2.69; 4600;occ; 113; 0;35096
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15; 4742.4; 15-NOV-2008 22:41:07; Bright; 47.5; 96; 68Del Leo ; 2.56; 9300;occ; 95; 0;35096
16; 4851.8; 15-NOV-2008 22:42:57; Dark ; 106.5; 166; 17Eps Leo ; 2.98; 6000;occ; 213; 0;35096
17; 5144.9; 15-NOV-2008 22:47:50; Dark ; 89.0; 22; 32Alp Leo ; 1.36; 15200;occ; 178; 0;35096
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 3; 704.6; 15-NOV-2008 23:14:25; Dark ; 69.0; 117; Pi Pup ; 2.71; 3800;occ; 138; 0;35097
 4; 814.3; 15-NOV-2008 23:16:15; Dark ; 82.0; 88; 31Eta CMa ; 2.45; 20000;occ; 164; 0;35097
 5; 948.2; 15-NOV-2008 23:18:29; Dark ; 75.0; 23; 21Eps CMa ; 1.50; 26000;occ; 150; 0;35097
 6; 1083.8; 15-NOV-2008 23:20:45; Dark ; 54.0; 108; Alp Col ; 2.65; 15200;occ; 108; 0;35097
 7; 1455.7; 15-NOV-2008 23:26:57; Dark ; 58.0; 47; 2Bet CMa ; 1.98; 28000;occ; 116; 0;35097
 8; 1791.9; 15-NOV-2008 23:32:33; Dark ; 83.0; 7; 19Bet Ori ; 0.10; 14000;occ; 166; 0;35097
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10; 2353.8; 15-NOV-2008 23:41:55; Bright; 62.0; 13; 87Alp Tau ; 0.87; 3800;occ; 124; 0;35097
11; 2767.6; 15-NOV-2008 23:48:48; Bright; 58.5; 114; 3Iot Aur ; 2.69; 4600;occ; 117; 0;35097
12; 3026.6; 15-NOV-2008 23:53:07; Bright; 55.5; 6; 13Alp Aur ; 0.08; 3400;occ; 111; 0;35097
13; 3205.9; 15-NOV-2008 23:56:07; Bright; 59.0; 42; 34Bet Aur ; 1.90; 10200;occ; 118; 0;35097
14; 4742.8; 16-NOV-2008 00:21:44; Bright; 48.0; 96; 68Del Leo ; 2.56; 9300;occ; 96; 0;35097
15; 4852.8; 16-NOV-2008 00:23:34; Dark ; 104.0; 166; 17Eps Leo ; 2.98; 6000;occ; 208; 0;35097
16; 5146.4; 16-NOV-2008 00:28:27; Dark ; 88.0; 22; 32Alp Leo ; 1.36; 15200;occ; 176; 0;35097
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 2; -903.9; 15-NOV-2008 07:42:14; Dark ; 89.0; 22; 32Alp Leo ; 1.36; 15200;occ; 178; 0;35087
 3; -110.0; 15-NOV-2008 07:55:28; Dark ; 131.5; 48; 30Alp Hya ; 1.98; 4100;occ; 263; 0;35087
 4; 438.3; 15-NOV-2008 08:04:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35088
 5; 694.0; 15-NOV-2008 08:08:52; Dark ; 61.5; 117; Pi Pup ; 2.71; 3800;occ; 123; 0;35088
 6; 800.8; 15-NOV-2008 08:10:38; Dark ; 79.0; 88; 31Eta CMa ; 2.45; 20000;occ; 158; 0;35088
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 8; 1078.3; 15-NOV-2008 08:15:16; Dark ; 53.0; 108; Alp Col ; 2.65; 15200;occ; 106; 0;35088
 9; 1452.8; 15-NOV-2008 08:21:30; Dark ; 41.5; 47; 2Bet CMa ; 1.98; 28000;occ; 83; 0;35088
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 2; 1919.2; 15-NOV-2008 08:29:17; Dark ; 61.0; 125; 44Iot Ori ; 2.77; 30000;occ; 122; 0;35088
 3; 2361.9; 15-NOV-2008 08:36:40; Bright; 61.0; 13; 87Alp Tau ; 0.87; 3800;occ; 122; 0;35088
 4; 2557.5; 15-NOV-2008 08:39:55; Bright; 44.0; 150; 44Zet Per ; 2.89; 28000;occ; 88; 0;35088
 5; 2778.4; 15-NOV-2008 08:43:36; Bright; 60.5; 114; 3Iot Aur ; 2.69; 4600;occ; 121; 0;35088
 6; 3036.2; 15-NOV-2008 08:47:54; Bright; 56.0; 6; 13Alp Aur ; 0.08; 3400;occ; 112; 0;35088
 7; 3218.6; 15-NOV-2008 08:50:56; Bright; 60.0; 42; 34Bet Aur ; 1.90; 10200;occ; 120; 0;35088
 8; 4739.4; 15-NOV-2008 09:16:17; Bright; 45.0; 96; 68Del Leo ; 2.56; 9300;occ; 90; 0;35088
 9; 4843.6; 15-NOV-2008 09:18:01; Dark ; 93.0; 166; 17Eps Leo ; 2.98; 6000;occ; 186; 0;35088
10; 5133.4; 15-NOV-2008 09:22:51; Dark ; 86.5; 22; 32Alp Leo ; 1.36; 15200;occ; 173; 0;35088
11; 5928.9; 15-NOV-2008 09:36:06; Dark ; 110.5; 48; 30Alp Hya ; 1.98; 4100;occ; 221; 0;35088
12; 6476.2; 15-NOV-2008 09:45:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35088
13; 6731.0; 15-NOV-2008 09:49:29; Dark ; 63.0; 117; Pi Pup ; 2.71; 3800;occ; 126; 0;35088
14; 6838.4; 15-NOV-2008 09:51:16; Dark ; 79.0; 88; 31Eta CMa ; 2.45; 20000;occ; 158; 0;35088
15; 6974.3; 15-NOV-2008 09:53:32; Dark ; 80.5; 23; 21Eps CMa ; 1.50; 26000;occ; 161; 0;35088
16; 7115.0; 15-NOV-2008 09:55:53; Dark ; 50.5; 108; Alp Col ; 2.65; 15200;occ; 101; 0;35088
17; 7488.9; 15-NOV-2008 10:02:07; Dark ; 41.5; 47; 2Bet CMa ; 1.98; 28000;occ; 83; 0;35088
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 3; 2361.0; 15-NOV-2008 10:17:14; Bright; 61.5; 13; 87Alp Tau ; 0.87; 3800;occ; 123; 0;35089
 4; 2558.6; 15-NOV-2008 10:20:32; Bright; 42.0; 150; 44Zet Per ; 2.89; 28000;occ; 84; 0;35089
 5; 2777.3; 15-NOV-2008 10:24:11; Bright; 58.5; 114; 3Iot Aur ; 2.69; 4600;occ; 117; 0;35089
 6; 3035.1; 15-NOV-2008 10:28:29; Bright; 56.5; 6; 13Alp Aur ; 0.08; 3400;occ; 113; 0;35089
 7; 3217.1; 15-NOV-2008 10:31:31; Bright; 60.0; 42; 34Bet Aur ; 1.90; 10200;occ; 120; 0;35089
 8; 4739.7; 15-NOV-2008 10:56:53; Bright; 53.0; 96; 68Del Leo ; 2.56; 9300;occ; 106; 0;35089
 9; 4844.6; 15-NOV-2008 10:58:38; Dark ; 94.5; 166; 17Eps Leo ; 2.98; 6000;occ; 189; 0;35089
10; 5134.8; 15-NOV-2008 11:03:28; Dark ; 87.5; 22; 32Alp Leo ; 1.36; 15200;occ; 175; 0;35089
11; 5932.0; 15-NOV-2008 11:16:45; Dark ; 115.0; 48; 30Alp Hya ; 1.98; 4100;occ; 230; 0;35089
12; 6478.2; 15-NOV-2008 11:25:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35089
13; 6732.2; 15-NOV-2008 11:30:06; Dark ; 60.5; 117; Pi Pup ; 2.71; 3800;occ; 121; 0;35089
14; 6839.8; 15-NOV-2008 11:31:53; Dark ; 75.0; 88; 31Eta CMa ; 2.45; 20000;occ; 150; 0;35089
15; 6975.6; 15-NOV-2008 11:34:09; Dark ; 78.5; 23; 21Eps CMa ; 1.50; 26000;occ; 157; 0;35089
16; 7115.6; 15-NOV-2008 11:36:29; Dark ; 51.0; 108; Alp Col ; 2.65; 15200;occ; 102; 0;35089
17; 7489.5; 15-NOV-2008 11:42:43; Dark ; 45.5; 47; 2Bet CMa ; 1.98; 28000;occ; 91; 0;35089
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 3; 1917.4; 15-NOV-2008 11:50:27; Dark ; 67.0; 125; 44Iot Ori ; 2.77; 30000;occ; 134; 0;35090  
 4; 2360.1; 15-NOV-2008 11:57:49; Bright; 60.5; 13; 87Alp Tau ; 0.87; 3800;occ; 121; 0;35090  
 5; 2776.0; 15-NOV-2008 12:04:45; Bright; 58.5; 114; 3Iot Aur ; 2.69; 4600;occ; 117; 0;35090  
 6; 3034.0; 15-NOV-2008 12:09:03; Bright; 69.5; 6; 13Alp Aur ; 0.08; 3400;occ; 139; 0;35090  
 7; 4740.1; 15-NOV-2008 12:37:29; Bright; 53.0; 96; 68Del Leo ; 2.56; 9300;occ; 106; 0;35090  
 8; 4845.5; 15-NOV-2008 12:39:15; Dark ; 100.0; 166; 17Eps Leo ; 2.98; 6000;occ; 200; 0;35090  
 9; 5136.3; 15-NOV-2008 12:44:06; Dark ; 89.5; 22; 32Alp Leo ; 1.36; 15200;occ; 179; 0;35090  
 10; 5935.1; 15-NOV-2008 12:57:24; Dark ; 114.5; 48; 30Alp Hya ; 1.98; 4100;occ; 229; 0;35090  
 11; 6480.2; 15-NOV-2008 13:06:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35090  
 12; 6733.3; 15-NOV-2008 13:10:43; Dark ; 65.5; 117; Pi Pup ; 2.71; 3800;occ; 131; 0;35090  
 13; 6841.5; 15-NOV-2008 13:12:31; Dark ; 78.0; 88; 31Eta CMA ; 2.45; 20000;occ; 156; 0;35090  
 14; 6976.9; 15-NOV-2008 13:14:46; Dark ; 80.0; 23; 21Eps CMA ; 1.50; 26000;occ; 160; 0;35090  
 15; 7116.1; 15-NOV-2008 13:17:05; Dark ; 52.0; 108; Alp Col ; 2.65; 15200;occ; 104; 0;35090  
 16; 7489.7; 15-NOV-2008 13:23:19; Dark ; 45.5; 47; 2Bet CMA ; 1.98; 28000;occ; 91; 0;35090

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 3; 1916.7; 15-NOV-2008 13:31:02; Dark ; 67.0; 125; 44Iot Ori ; 2.77; 30000;occ; 134; 0;35091  
 4; 2359.2; 15-NOV-2008 13:38:24; Bright; 61.5; 13; 87Alp Tau ; 0.87; 3800;occ; 123; 0;35091  
 5; 2774.9; 15-NOV-2008 13:45:20; Bright; 58.5; 114; 3Iot Aur ; 2.69; 4600;occ; 117; 0;35091  
 6; 3033.0; 15-NOV-2008 13:49:38; Bright; 65.0; 6; 13Alp Aur ; 0.08; 3400;occ; 130; 0;35091  
 7; 3214.4; 15-NOV-2008 13:52:40; Bright; 60.5; 42; 34Bet Aur ; 1.90; 10200;occ; 121; 0;35091  
 8; 4740.4; 15-NOV-2008 14:18:06; Bright; 47.5; 96; 68Del Leo ; 2.56; 9300;occ; 95; 0;35091  
 9; 4846.6; 15-NOV-2008 14:19:52; Dark ; 98.5; 166; 17Eps Leo ; 2.98; 6000;occ; 197; 0;35091  
 10; 5137.7; 15-NOV-2008 14:24:43; Dark ; 91.0; 22; 32Alp Leo ; 1.36; 15200;occ; 182; 0;35091  
 11; 5938.2; 15-NOV-2008 14:38:03; Dark ; 116.5; 48; 30Alp Hya ; 1.98; 4100;occ; 233; 0;35091  
 12; 6482.3; 15-NOV-2008 14:47:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35091  
 13; 6734.7; 15-NOV-2008 14:51:20; Dark ; 77.0; 117; Pi Pup ; 2.71; 3800;occ; 154; 0;35091  
 14; 6843.0; 15-NOV-2008 14:53:08; Dark ; 79.0; 88; 31Eta CMA ; 2.45; 20000;occ; 158; 0;35091  
 15; 6978.0; 15-NOV-2008 14:55:23; Dark ; 80.0; 23; 21Eps CMA ; 1.50; 26000;occ; 160; 0;35091  
 16; 7116.9; 15-NOV-2008 14:57:42; Dark ; 51.5; 108; Alp Col ; 2.65; 15200;occ; 103; 0;35091

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 4; 2358.4; 15-NOV-2008 15:19:00; Bright; 62.0; 13; 87Alp Tau ; 0.87; 3800;occ; 124; 0;35092  
 5; 2773.6; 15-NOV-2008 15:25:55; Bright; 59.5; 114; 3Iot Aur ; 2.69; 4600;occ; 119; 0;35092  
 6; 3032.1; 15-NOV-2008 15:30:13; Bright; 57.5; 6; 13Alp Aur ; 0.08; 3400;occ; 115; 0;35092  
 7; 3213.2; 15-NOV-2008 15:33:14; Bright; 62.0; 42; 34Bet Aur ; 1.90; 10200;occ; 124; 0;35092  
 8; 4740.9; 15-NOV-2008 15:58:42; Bright; 45.5; 96; 68Del Leo ; 2.56; 9300;occ; 91; 0;35092  
 9; 4847.8; 15-NOV-2008 16:00:29; Dark ; 96.5; 166; 17Eps Leo ; 2.98; 6000;occ; 193; 0;35092  
 10; 5139.2; 15-NOV-2008 16:05:20; Dark ; 93.0; 22; 32Alp Leo ; 1.36; 15200;occ; 186; 0;35092  
 11; 5941.5; 15-NOV-2008 16:18:43; Dark ; 119.5; 48; 30Alp Hya ; 1.98; 4100;occ; 239; 0;35092  
 12; 6484.4; 15-NOV-2008 16:27:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35092  
 13; 6736.0; 15-NOV-2008 16:31:57; Dark ; 65.0; 117; Pi Pup ; 2.71; 3800;occ; 130; 0;35092  
 14; 6844.6; 15-NOV-2008 16:33:46; Dark ; 75.0; 88; 31Eta CMA ; 2.45; 20000;occ; 150; 0;35092  
 15; 6979.4; 15-NOV-2008 16:36:01; Dark ; 85.5; 23; 21Eps CMA ; 1.50; 26000;occ; 171; 0;35092  
 16; 7117.5; 15-NOV-2008 16:38:19; Dark ; 53.5; 108; Alp Col ; 2.65; 15200;occ; 107; 0;35092

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 3; 1915.1; 15-NOV-2008 16:52:12; Dark ; 73.0; 125; 44Iot Ori ; 2.77; 30000;occ; 146; 0;35093  
 4; 2357.3; 15-NOV-2008 16:59:34; Bright; 61.0; 13; 87Alp Tau ; 0.87; 3800;occ; 122; 0;35093  
 5; 2772.4; 15-NOV-2008 17:06:30; Bright; 65.0; 114; 3Iot Aur ; 2.69; 4600;occ; 130; 0;35093  
 6; 3030.9; 15-NOV-2008 17:10:48; Bright; 57.5; 6; 13Alp Aur ; 0.08; 3400;occ; 115; 0;35093  
 7; 3211.9; 15-NOV-2008 17:13:49; Bright; 63.0; 42; 34Bet Aur ; 1.90; 10200;occ; 126; 0;35093  
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 9; 4848.8; 15-NOV-2008 17:41:06; Dark ; 98.5; 166; 17Eps Leo ; 2.98; 6000;occ; 197; 0;35093  
 10; 5140.6; 15-NOV-2008 17:45:58; Dark ; 83.5; 22; 32Alp Leo ; 1.36; 15200;occ; 167; 0;35093  
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 12; 6486.4; 15-NOV-2008 18:08:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35093  
 13; 6737.1; 15-NOV-2008 18:12:34; Dark ; 68.5; 117; Pi Pup ; 2.71; 3800;occ; 137; 0;35093  
 14; 6846.1; 15-NOV-2008 18:14:23; Dark ; 76.0; 88; 31Eta CMA ; 2.45; 20000;occ; 152; 0;35093  
 15; 6980.7; 15-NOV-2008 18:16:38; Dark ; 81.0; 23; 21Eps CMA ; 1.50; 26000;occ; 162; 0;35093

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12; 3112.8; 20-NOV-2008 22:57:05; Bright; 56.5; 42; 34Bet Aur ; 1.90; 10200;occ; 113; 0;35168
13; 4214.3; 20-NOV-2008 23:15:26; Bright; 47.0; 174; 52Psi UMa ; 3.00; 4400;occ; 94; 0;35168
14; 4774.5; 20-NOV-2008 23:24:46; Bright; 54.5; 96; 68Del Leo ; 2.56; 9300;occ; 109; 0;35168
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 4; 2701.0; 20-NOV-2008 07:44:50; Bright; 52.5; 114; 3Iot Aur ; 2.69; 4600;occ; 105; 0;35159
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4; 2699.1; 20-NOV-2008 11:05:59; Bright; 54.0; 114; 3Iot Aur ; 2.69; 4600;occ; 108; 0;35161
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4; 800.4; 21-NOV-2008 23:27:31; Dark ; 73.0; 117; Pi Pup ; 2.71; 3800;occ; 146; 0;35183
5; 1042.7; 21-NOV-2008 23:31:34; Dark ; 74.5; 23; 21Eps CMA ; 1.50; 26000;occ; 149; 0;35183

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7; 3083.7; 22-NOV-2008 15:10:58; Bright; 57.0; 42; 34Bet Aur ; 1.90; 10200;occ; 114; 0;35192
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 2; -1228.5; 25-NOV-2008 05:41:52; Bright; 61.5; 96; 68Del Leo ; 2.56; 9300;occ; 123; 0;35229
 3; -1013.8; 25-NOV-2008 05:45:26; Dark ; 64.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 128; 0;35229
 4; 126.4; 25-NOV-2008 06:04:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35230
 5; 625.1; 25-NOV-2008 06:12:45; Dark ; 53.0; 70; Zet Pup ; 2.25; 39000;occ; 106; 0;35230
 6; 847.9; 25-NOV-2008 06:16:28; Dark ; 63.0; 117; Pi Pup ; 2.71; 3800;occ; 126; 0;35230
 7; 1085.8; 25-NOV-2008 06:20:26; Dark ; 71.0; 23; 21Eps CMa ; 1.50; 26000;occ; 142; 0;35230
 8; 1221.8; 25-NOV-2008 06:22:42; Dark ; 83.0; 179; 240mi2CMa ; 3.03; 24000;occ; 166; 0;35230
 9; 1520.1; 25-NOV-2008 06:27:40; Dark ; 109.0; 1; 9Alp CMa ; -1.44; 11000;occ; 218; 0;35230
10; 1761.1; 25-NOV-2008 06:31:41; Dark ; 67.0; 7; 19Bet Ori ; 0.10; 14000;occ; 134; 0;35230
11; 1972.1; 25-NOV-2008 06:35:12; Dark ; 71.5; 30; 46Eps Ori ; 1.69; 30000;occ; 143; 0;35230
12; 2148.3; 25-NOV-2008 06:38:08; Dark ; 76.5; 27; 24Gam Ori ; 1.64; 26000;occ; 153; 0;35230
13; 2265.3; 25-NOV-2008 06:40:05; Bright; 53.5; 13; 87Alp Tau ; 0.87; 3800;occ; 107; 0;35230
14; 2639.0; 25-NOV-2008 06:46:19; Bright; 48.0; 114; 3Iot Aur ; 2.69; 4600;occ; 96; 0;35230
15; 2905.3; 25-NOV-2008 06:50:45; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;35230
16; 3039.6; 25-NOV-2008 06:53:00; Bright; 54.5; 42; 34Bet Aur ; 1.90; 10200;occ; 109; 0;35230
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 2; -1228.1; 25-NOV-2008 07:22:28; Bright; 60.0; 96; 68Del Leo ; 2.56; 9300;occ; 120; 0;35230
 3; -1012.2; 25-NOV-2008 07:26:04; Dark ; 56.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 112; 0;35230
 4; 129.0; 25-NOV-2008 07:45:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35231
 5; 626.1; 25-NOV-2008 07:53:22; Dark ; 57.0; 70; Zet Pup ; 2.25; 39000;occ; 114; 0;35231
 6; 848.9; 25-NOV-2008 07:57:05; Dark ; 59.5; 117; Pi Pup ; 2.71; 3800;occ; 119; 0;35231
 7; 1086.7; 25-NOV-2008 08:01:03; Dark ; 68.5; 23; 21Eps CMa ; 1.50; 26000;occ; 137; 0;35231
 8; 1222.4; 25-NOV-2008 08:03:18; Dark ; 81.0; 179; 240mi2CMa ; 3.03; 24000;occ; 162; 0;35231
 9; 1520.2; 25-NOV-2008 08:08:16; Dark ; 110.5; 1; 9Alp CMa ; -1.44; 11000;occ; 221; 0;35231
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 2; 1971.6; 25-NOV-2008 08:15:48; Dark ; 69.5; 30; 46Eps Ori ; 1.69; 30000;occ; 139; 0;35231
 3; 2147.4; 25-NOV-2008 08:18:43; Dark ; 67.0; 27; 24Gam Ori ; 1.64; 26000;occ; 134; 0;35231
 4; 2264.9; 25-NOV-2008 08:20:41; Bright; 53.5; 13; 87Alp Tau ; 0.87; 3800;occ; 107; 0;35231
 5; 2638.2; 25-NOV-2008 08:26:54; Bright; 48.5; 114; 3Iot Aur ; 2.69; 4600;occ; 97; 0;35231
 6; 2904.5; 25-NOV-2008 08:31:21; Bright; 70.0; 6; 13Alp Aur ; 0.08; 3400;occ; 140; 0;35231
 7; 3038.4; 25-NOV-2008 08:33:34; Bright; 54.5; 42; 34Bet Aur ; 1.90; 10200;occ; 109; 0;35231
 8; 4204.4; 25-NOV-2008 08:53:00; Bright; 49.0; 174; 52Psi UMa ; 3.00; 4400;occ; 98; 0;35231
 9; 4808.5; 25-NOV-2008 09:03:05; Bright; 59.5; 96; 68Del Leo ; 2.56; 9300;occ; 119; 0;35231
10; 5025.5; 25-NOV-2008 09:06:42; Dark ; 56.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 112; 0;35231
11; 6167.4; 25-NOV-2008 09:25:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35231
12; 6663.1; 25-NOV-2008 09:33:59; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;35231
13; 6885.7; 25-NOV-2008 09:37:42; Dark ; 58.5; 117; Pi Pup ; 2.71; 3800;occ; 117; 0;35231
14; 7123.4; 25-NOV-2008 09:41:39; Dark ; 73.5; 23; 21Eps CMa ; 1.50; 26000;occ; 147; 0;35231
15; 7259.0; 25-NOV-2008 09:43:55; Dark ; 82.0; 179; 240mi2CMa ; 3.03; 24000;occ; 164; 0;35231
16; 7556.2; 25-NOV-2008 09:48:52; Dark ; 109.5; 1; 9Alp CMa ; -1.44; 11000;occ; 219; 0;35231
17; 7796.7; 25-NOV-2008 09:52:53; Dark ; 50.5; 7; 19Bet Ori ; 0.10; 14000;occ; 101; 0;35231
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 2; 1971.0; 25-NOV-2008 09:56:23; Dark ; 68.5; 30; 46Eps Ori ; 1.69; 30000;occ; 137; 0;35232
 3; 2146.6; 25-NOV-2008 09:59:18; Dark ; 67.0; 27; 24Gam Ori ; 1.64; 26000;occ; 134; 0;35232
 4; 2264.4; 25-NOV-2008 10:01:16; Bright; 51.0; 13; 87Alp Tau ; 0.87; 3800;occ; 102; 0;35232
 5; 2637.5; 25-NOV-2008 10:07:29; Bright; 50.0; 114; 3Iot Aur ; 2.69; 4600;occ; 100; 0;35232
 6; 2903.7; 25-NOV-2008 10:11:56; Bright; 52.5; 6; 13Alp Aur ; 0.08; 3400;occ; 105; 0;35232
 7; 3037.4; 25-NOV-2008 10:14:09; Bright; 54.5; 42; 34Bet Aur ; 1.90; 10200;occ; 109; 0;35232
 8; 4204.2; 25-NOV-2008 10:33:36; Bright; 47.5; 174; 52Psi UMa ; 3.00; 4400;occ; 95; 0;35232
 9; 4809.2; 25-NOV-2008 10:43:41; Bright; 58.5; 96; 68Del Leo ; 2.56; 9300;occ; 117; 0;35232
10; 5027.2; 25-NOV-2008 10:47:19; Dark ; 48.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 96; 0;35232
11; 6170.0; 25-NOV-2008 11:06:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35232
12; 6664.3; 25-NOV-2008 11:14:36; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;35232
13; 6886.6; 25-NOV-2008 11:18:19; Dark ; 60.5; 117; Pi Pup ; 2.71; 3800;occ; 121; 0;35232
14; 7124.4; 25-NOV-2008 11:22:16; Dark ; 69.0; 23; 21Eps CMa ; 1.50; 26000;occ; 138; 0;35232
15; 7259.9; 25-NOV-2008 11:24:32; Dark ; 77.0; 179; 240mi2CMa ; 3.03; 24000;occ; 154; 0;35232
16; 7556.3; 25-NOV-2008 11:29:28; Dark ; 115.5; 1; 9Alp CMa ; -1.44; 11000;occ; 231; 0;35232

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 2; 1760.6; 25-NOV-2008 11:33:28; Dark ; 67.5; 7; 19Bet Ori ; 0.10; 14000;occ; 135; 0;35233  
 3; 1970.4; 25-NOV-2008 11:36:58; Dark ; 73.0; 30; 46Eps Ori ; 1.69; 30000;occ; 146; 0;35233  
 4; 2145.9; 25-NOV-2008 11:39:54; Dark ; 74.0; 27; 24Gam Ori ; 1.64; 26000;occ; 148; 0;35233  
 5; 2263.8; 25-NOV-2008 11:41:52; Bright; 53.0; 13; 87Alp Tau ; 0.87; 3800;occ; 106; 0;35233  
 6; 2636.7; 25-NOV-2008 11:48:05; Bright; 49.5; 114; 3Iot Aur ; 2.69; 4600;occ; 99; 0;35233  
 7; 2902.9; 25-NOV-2008 11:52:31; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;35233  
 8; 3036.2; 25-NOV-2008 11:54:44; Bright; 54.5; 42; 34Bet Aur ; 1.90; 10200;occ; 109; 0;35233  
 9; 4203.9; 25-NOV-2008 12:14:12; Bright; 47.5; 174; 52Psi UMa ; 3.00; 4400;occ; 95; 0;35233  
 10; 4809.7; 25-NOV-2008 12:24:18; Bright; 59.5; 96; 68Del Leo ; 2.56; 9300;occ; 119; 0;35233  
 11; 5028.8; 25-NOV-2008 12:27:57; Dark ; 48.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 96; 0;35233  
 12; 6172.6; 25-NOV-2008 12:47:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35233  
 13; 6665.5; 25-NOV-2008 12:55:13; Dark ; 55.0; 70; Zet Pup ; 2.25; 39000;occ; 110; 0;35233  
 14; 6887.5; 25-NOV-2008 12:58:55; Dark ; 55.5; 117; Pi Pup ; 2.71; 3800;occ; 111; 0;35233  
 15; 7125.1; 25-NOV-2008 13:02:53; Dark ; 73.5; 23; 21Eps CMA ; 1.50; 26000;occ; 147; 0;35233  
 16; 7260.7; 25-NOV-2008 13:05:09; Dark ; 81.5; 179; 240mi2CMA ; 3.03; 24000;occ; 163; 0;35233  
 17; 7556.5; 25-NOV-2008 13:10:04; Dark ; 24.0; 1; 9Alp CMA ; -1.44; 11000;occ; 48; 0;35233

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1; 1092.7; 25-NOV-2008 19:45:20; Dark ; 69.0; 23; 21Eps CMA ; 1.50; 26000;occ; 138; 0;35238  
 2; 1227.7; 25-NOV-2008 19:47:35; Dark ; 81.5; 179; 240mi2CMA ; 3.03; 24000;occ; 163; 0;35238  
 3; 1521.0; 25-NOV-2008 19:52:29; Dark ; 102.0; 1; 9Alp CMA ; -1.44; 11000;occ; 204; 0;35238  
 4; 1760.0; 25-NOV-2008 19:56:28; Dark ; 63.5; 7; 19Bet Ori ; 0.10; 14000;occ; 127; 0;35238  
 5; 1967.4; 25-NOV-2008 19:59:55; Dark ; 72.0; 30; 46Eps Ori ; 1.69; 30000;occ; 144; 0;35238  
 6; 2142.1; 25-NOV-2008 20:02:50; Dark ; 68.0; 27; 24Gam Ori ; 1.64; 26000;occ; 136; 0;35238  
 7; 2261.3; 25-NOV-2008 20:04:49; Bright; 55.5; 13; 87Alp Tau ; 0.87; 3800;occ; 111; 0;35238  
 8; 2633.0; 25-NOV-2008 20:11:01; Bright; 49.5; 114; 3Iot Aur ; 2.69; 4600;occ; 99; 0;35238  
 9; 2899.0; 25-NOV-2008 20:15:27; Bright; 49.5; 6; 13Alp Aur ; 0.08; 3400;occ; 99; 0;35238  
 10; 3030.7; 25-NOV-2008 20:17:38; Bright; 55.0; 42; 34Bet Aur ; 1.90; 10200;occ; 110; 0;35238  
 11; 4202.9; 25-NOV-2008 20:37:11; Bright; 52.5; 174; 52Psi UMa ; 3.00; 4400;occ; 105; 0;35238  
 12; 4812.8; 25-NOV-2008 20:47:20; Bright; 58.0; 96; 68Del Leo ; 2.56; 9300;occ; 116; 0;35238

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 2; 635.2; 25-NOV-2008 21:18:19; Dark ; 55.5; 70; Zet Pup ; 2.25; 39000;occ; 111; 0;35239  
 3; 856.3; 25-NOV-2008 21:22:00; Dark ; 75.0; 117; Pi Pup ; 2.71; 3800;occ; 150; 0;35239  
 4; 1093.4; 25-NOV-2008 21:25:57; Dark ; 75.0; 23; 21Eps CMA ; 1.50; 26000;occ; 150; 0;35239  
 5; 1228.5; 25-NOV-2008 21:28:12; Dark ; 79.5; 179; 240mi2CMA ; 3.03; 24000;occ; 159; 0;35239  
 6; 1521.3; 25-NOV-2008 21:33:05; Dark ; 107.5; 1; 9Alp CMA ; -1.44; 11000;occ; 215; 0;35239  
 7; 1759.7; 25-NOV-2008 21:37:03; Dark ; 62.0; 7; 19Bet Ori ; 0.10; 14000;occ; 124; 0;35239  
 8; 1966.8; 25-NOV-2008 21:40:30; Dark ; 72.0; 30; 46Eps Ori ; 1.69; 30000;occ; 144; 0;35239  
 9; 2141.2; 25-NOV-2008 21:43:25; Dark ; 86.0; 27; 24Gam Ori ; 1.64; 26000;occ; 172; 0;35239  
 10; 2260.8; 25-NOV-2008 21:45:24; Bright; 59.0; 13; 87Alp Tau ; 0.87; 3800;occ; 118; 0;35239  
 11; 2632.0; 25-NOV-2008 21:51:36; Bright; 48.0; 114; 3Iot Aur ; 2.69; 4600;occ; 96; 0;35239  
 12; 2898.3; 25-NOV-2008 21:56:02; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;35239  
 13; 3029.5; 25-NOV-2008 21:58:13; Bright; 56.0; 42; 34Bet Aur ; 1.90; 10200;occ; 112; 0;35239  
 14; 4202.8; 25-NOV-2008 22:17:46; Bright; 49.0; 174; 52Psi UMa ; 3.00; 4400;occ; 98; 0;35239  
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1; 152.4; 25-NOV-2008 22:50:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35240  
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 3; 857.3; 25-NOV-2008 23:02:37; Dark ; 68.0; 117; Pi Pup ; 2.71; 3800;occ; 136; 0;35240  
 4; 1094.3; 25-NOV-2008 23:06:34; Dark ; 69.0; 23; 21Eps CMA ; 1.50; 26000;occ; 138; 0;35240  
 5; 1229.2; 25-NOV-2008 23:08:49; Dark ; 79.5; 179; 240mi2CMA ; 3.03; 24000;occ; 159; 0;35240  
 6; 1521.2; 25-NOV-2008 23:13:41; Dark ; 105.5; 1; 9Alp CMA ; -1.44; 11000;occ; 211; 0;35240  
 7; 1759.7; 25-NOV-2008 23:17:39; Dark ; 65.0; 7; 19Bet Ori ; 0.10; 14000;occ; 130; 0;35240  
 8; 1966.1; 25-NOV-2008 23:21:06; Dark ; 72.0; 30; 46Eps Ori ; 1.69; 30000;occ; 144; 0;35240  
 9; 2140.5; 25-NOV-2008 23:24:00; Dark ; 75.0; 27; 24Gam Ori ; 1.64; 26000;occ; 150; 0;35240  
 10; 2260.3; 25-NOV-2008 23:26:00; Bright; 61.5; 13; 87Alp Tau ; 0.87; 3800;occ; 123; 0;35240  
 11; 2631.3; 25-NOV-2008 23:32:11; Bright; 50.0; 114; 3Iot Aur ; 2.69; 4600;occ; 100; 0;35240  
 12; 2897.5; 25-NOV-2008 23:36:37; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;35240  
 13; 3028.4; 25-NOV-2008 23:38:48; Bright; 52.0; 42; 34Bet Aur ; 1.90; 10200;occ; 104; 0;35240  
 14; 4202.5; 25-NOV-2008 23:58:22; Bright; 52.0; 174; 52Psi UMa ; 3.00; 4400;occ; 104; 0;35240  
 15; 4814.0; 26-NOV-2008 00:08:33; Bright; 59.5; 96; 68Del Leo ; 2.56; 9300;occ; 119; 0;35240

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 2; 1760.4; 25-NOV-2008 14:54:40; Dark ; 72.0; 7; 19Bet Ori ; 0.10; 14000;occ; 144; 0;35235  
 3; 1969.2; 25-NOV-2008 14:58:09; Dark ; 71.5; 30; 46Eps Ori ; 1.69; 30000;occ; 143; 0;35235  
 4; 2144.4; 25-NOV-2008 15:01:04; Dark ; 80.0; 27; 24Gam Ori ; 1.64; 26000;occ; 160; 0;35235

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6; 2635.2; 25-NOV-2008 15:09:15; Bright; 48.5; 114; 3Iot Aur ; 2.69; 4600;occ; 97; 0;35235
7; 2901.4; 25-NOV-2008 15:13:41; Bright; 50.5; 6; 13Alp Aur ; 0.08; 3400;occ; 101; 0;35235
8; 3034.1; 25-NOV-2008 15:15:54; Bright; 54.5; 42; 34Bet Aur ; 1.90; 10200;occ; 109; 0;35235
9; 4203.9; 25-NOV-2008 15:35:24; Bright; 47.5; 174; 52Psi UMa ; 3.00; 4400;occ; 95; 0;35235
10; 4811.1; 25-NOV-2008 15:45:31; Bright; 61.5; 96; 68Del Leo ; 2.56; 9300;occ; 123; 0;35235
11; 5032.5; 25-NOV-2008 15:49:12; Dark ; 39.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 78; 0;35235
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13; 6667.8; 25-NOV-2008 16:16:27; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;35235
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15; 7127.1; 25-NOV-2008 16:24:07; Dark ; 73.5; 23; 21Eps CMa ; 1.50; 26000;occ; 147; 0;35235
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4; 1968.6; 25-NOV-2008 16:38:44; Dark ; 70.0; 30; 46Eps Ori ; 1.69; 30000;occ; 140; 0;35236
5; 2143.7; 25-NOV-2008 16:41:39; Dark ; 76.0; 27; 24Gam Ori ; 1.64; 26000;occ; 152; 0;35236
6; 2262.3; 25-NOV-2008 16:43:38; Bright; 58.0; 13; 87Alp Tau ; 0.87; 3800;occ; 116; 0;35236
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8; 2900.7; 25-NOV-2008 16:54:16; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;35236
9; 3033.0; 25-NOV-2008 16:56:29; Bright; 51.5; 42; 34Bet Aur ; 1.90; 10200;occ; 103; 0;35236
10; 4203.7; 25-NOV-2008 17:15:59; Bright; 49.5; 174; 52Psi UMa ; 3.00; 4400;occ; 99; 0;35236
11; 4811.7; 25-NOV-2008 17:26:07; Bright; 61.0; 96; 68Del Leo ; 2.56; 9300;occ; 122; 0;35236
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15; 6890.6; 25-NOV-2008 18:00:46; Dark ; 68.0; 117; Pi Pup ; 2.71; 3800;occ; 136; 0;35236
16; 7127.9; 25-NOV-2008 18:04:44; Dark ; 23.0; 23; 21Eps CMa ; 1.50; 26000;occ; 46; 0;35236
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6; 1097.8; 26-NOV-2008 05:49:01; Dark ; 68.5; 23; 21Eps CMA ; 1.50; 26000;occ; 137; 0;35244
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4; 1523.0; 26-NOV-2008 21:01:30; Dark ; 107.5; 1; 9Alp CMA ; -1.44; 11000;occ; 215; 0;35253
5; 1758.1; 26-NOV-2008 21:05:25; Dark ; 61.5; 7; 19Bet Ori ; 0.10; 14000;occ; 123; 0;35253
6; 1959.1; 26-NOV-2008 21:08:46; Dark ; 70.5; 30; 46Eps Ori ; 1.69; 30000;occ; 141; 0;35253

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12; 4200.3; 26-NOV-2008 21:46:07; Bright; 48.0; 174; 52Psi UMa ; 3.00; 4400;occ; 96; 0;35253
13; 4822.2; 26-NOV-2008 21:56:29; Bright; 76.0; 96; 68Del Leo ; 2.56; 9300;occ; 152; 0;35253
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13; 3013.4; 26-NOV-2008 23:06:56; Bright; 53.5; 42; 34Bet Aur ; 1.90; 10200;occ; 107; 0;35254
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6; 2624.1; 26-NOV-2008 16:18:03; Bright; 48.5; 114; 3Iot Aur ; 2.69; 4600;occ; 97; 0;35250
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8; 3017.7; 26-NOV-2008 16:24:36; Bright; 54.5; 42; 34Bet Aur ; 1.90; 10200;occ; 109; 0;35250
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6; 2131.8; 26-NOV-2008 19:31:03; Dark ; 71.5; 27; 24Gam Ori ; 1.64; 26000;occ; 143; 0;35252
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9; 2888.3; 26-NOV-2008 19:43:39; Bright; 50.0; 6; 13Alp Aur ; 0.08; 3400;occ; 100; 0;35252
10; 3015.5; 26-NOV-2008 19:45:46; Bright; 53.0; 42; 34Bet Aur ; 1.90; 10200;occ; 106; 0;35252
11; 4200.4; 26-NOV-2008 20:05:31; Bright; 51.0; 174; 52Psi UMa ; 3.00; 4400;occ; 102; 0;35252
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4; 1106.7; 27-NOV-2008 00:15:45; Dark ; 71.0; 23; 21Eps CMA ; 1.50; 26000;occ; 142; 0;35255
5; 1240.5; 27-NOV-2008 00:17:59; Dark ; 78.5; 179; 240mi2CMA ; 3.03; 24000;occ; 157; 0;35255
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9; 2129.7; 27-NOV-2008 00:32:48; Dark ; 79.0; 27; 24Gam Ori ; 1.64; 26000;occ; 158; 0;35255
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4; 1107.6; 27-NOV-2008 01:56:22; Dark ; 70.5; 23; 21Eps CMA ; 1.50; 26000;occ; 141; 0;35256
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5; 873.5; 27-NOV-2008 03:33:04; Dark ; 59.0; 117; Pi Pup ; 2.71; 3800;occ; 118; 0;35257
6; 1108.6; 27-NOV-2008 03:36:59; Dark ; 67.5; 23; 21Eps CMA ; 1.50; 26000;occ; 135; 0;35257
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11; 2856.8; 29-NOV-2008 21:29:29; Bright; 46.5; 6; 13Alp Aur ; 0.08; 3400;occ; 93; 0;35296
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4; 594.9; 29-NOV-2008 22:32:23; Dark ; 49.0; 34; Gam2Vel ; 1.79; 23000;occ; 98; 0;35297
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13; 2236.5; 29-NOV-2008 22:59:44; Bright; 52.5; 13; 87Alp Tau ; 0.87; 3800;occ; 105; 0;35297
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22; 4347.3; 29-NOV-2008 23:34:55; Bright; 40.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 80; 0;35297
23; 4914.9; 29-NOV-2008 23:44:23; Bright; 54.0; 62; 94Bet Leo ; 2.14; 9700;occ; 108; 0;35297
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5; 1056.4; 30-NOV-2008 02:01:16; Dark ; 35.0; 88; 31Eta CMA ; 2.45; 20000;occ; 70; 0;35299
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 8; -581.4; 30-NOV-2008 06:35:46; Dark ; 46.5; 100; 4Gam Crv ; 2.58; 13100;occ; 93; 0;35301  
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 10; 401.2; 30-NOV-2008 06:52:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35302  
 11; 599.4; 30-NOV-2008 06:55:27; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;35302  
 12; 703.8; 30-NOV-2008 06:57:11; Dark ; 55.0; 70; Zet Pup ; 2.25; 39000;occ; 110; 0;35302  
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 14; 1059.3; 30-NOV-2008 07:03:07; Dark ; 40.0; 88; 31Eta CMA ; 2.45; 20000;occ; 80; 0;35302  
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 5; 2472.6; 30-NOV-2008 07:26:40; Bright; 37.0; 150; 44Zet Per ; 2.89; 28000;occ; 74; 0;35302  
 6; 2618.6; 30-NOV-2008 07:29:06; Bright; 37.0; 149; 45Eps Per ; 2.89; 30000;occ; 74; 0;35302  
 7; 2852.8; 30-NOV-2008 07:33:00; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;35302  
 8; 2964.4; 30-NOV-2008 07:34:52; Bright; 76.0; 42; 34Bet Aur ; 1.90; 10200;occ; 152; 0;35302  
 9; 3823.7; 30-NOV-2008 07:49:11; Bright; 45.0; 36; 50Alp UMA ; 1.80; 6300;occ; 90; 0;35302  
 10; 3920.0; 30-NOV-2008 07:50:47; Bright; 44.5; 82; 48Bet UMA ; 2.37; 10600;occ; 89; 0;35302  
 11; 4015.4; 30-NOV-2008 07:52:23; Bright; 38.5; 32; 77Eps UMA ; 1.76; 11000;occ; 77; 0;35302  
 12; 4189.4; 30-NOV-2008 07:55:17; Bright; 63.5; 174; 52Psi UMA ; 3.00; 4400;occ; 127; 0;35302  
 13; 4347.7; 30-NOV-2008 07:57:55; Bright; 37.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 74; 0;35302  
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 15; 5116.6; 30-NOV-2008 08:10:44; Bright; 43.0; 121; 29Gam Vir ; 2.74; 7200;occ; 86; 0;35302  
 16; 5455.4; 30-NOV-2008 08:16:23; Dark ; 44.5; 100; 4Gam Crv ; 2.58; 13100;occ; 89; 0;35302  
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 18; 6438.0; 30-NOV-2008 08:32:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35302  
 19; 6636.3; 30-NOV-2008 08:36:04; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;35302  
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 22; 7096.1; 30-NOV-2008 08:43:44; Dark ; 40.0; 88; 31Eta CMA ; 2.45; 20000;occ; 80; 0;35302  
 23; 7179.1; 30-NOV-2008 08:45:07; Dark ; 66.0; 23; 21Eps CMA ; 1.50; 26000;occ; 132; 0;35302  
 24; 7571.1; 30-NOV-2008 08:51:39; Dark ; 53.0; 101; 11Alp Lep ; 2.58; 7000;occ; 106; 0;35302  
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 3; 2100.0; 30-NOV-2008 09:01:03; Dark ; 61.0; 27; 24Gam Ori ; 1.64; 26000;occ; 122; 0;35303  
 4; 2234.5; 30-NOV-2008 09:03:18; Bright; 51.5; 13; 87Alp Tau ; 0.87; 3800;occ; 103; 0;35303  
 5; 2472.2; 30-NOV-2008 09:07:16; Bright; 39.5; 150; 44Zet Per ; 2.89; 28000;occ; 79; 0;35303  
 6; 2618.1; 30-NOV-2008 09:09:41; Bright; 38.0; 149; 45Eps Per ; 2.89; 30000;occ; 76; 0;35303  
 7; 2852.2; 30-NOV-2008 09:13:36; Bright; 49.0; 6; 13Alp Aur ; 0.08; 3400;occ; 98; 0;35303

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9; 3823.3; 30-NOV-2008 09:29:47; Bright; 47.5; 36; 50Alp UMA ; 1.80; 6300;occ; 95; 0;35303
10; 3919.8; 30-NOV-2008 09:31:23; Bright; 47.0; 82; 48Bet UMA ; 2.37; 10600;occ; 94; 0;35303
11; 4015.3; 30-NOV-2008 09:32:59; Bright; 38.0; 32; 77Eps UMA ; 1.76; 11000;occ; 76; 0;35303
12; 4189.1; 30-NOV-2008 09:35:52; Bright; 50.5; 174; 52Psi UMA ; 3.00; 4400;occ; 101; 0;35303
13; 4347.9; 30-NOV-2008 09:38:31; Bright; 39.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 78; 0;35303
14; 4919.1; 30-NOV-2008 09:48:02; Bright; 57.0; 62; 94Bet Leo ; 2.14; 9700;occ; 114; 0;35303
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16; 5456.0; 30-NOV-2008 09:56:59; Dark ; 47.0; 100; 4Gam Crv ; 2.58; 13100;occ; 94; 0;35303
17; 5551.6; 30-NOV-2008 09:58:35; Dark ; 46.5; 171; 2Eps Crv ; 3.00; 4250;occ; 93; 0;35303
18; 6438.8; 30-NOV-2008 10:13:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35303
19; 6637.1; 30-NOV-2008 10:16:40; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;35303
20; 6741.8; 30-NOV-2008 10:18:25; Dark ; 53.0; 70; Zet Pup ; 2.25; 39000;occ; 106; 0;35303
21; 6951.2; 30-NOV-2008 10:21:55; Dark ; 63.5; 117; Pi Pup ; 2.71; 3800;occ; 127; 0;35303
22; 7096.9; 30-NOV-2008 10:24:20; Dark ; 42.0; 88; 31Eta CMA ; 2.45; 20000;occ; 84; 0;35303
23; 7179.8; 30-NOV-2008 10:25:43; Dark ; 64.5; 23; 21Eps CMA ; 1.50; 26000;occ; 129; 0;35303
24; 7571.2; 30-NOV-2008 10:32:15; Dark ; 55.0; 101; 11Alp Lep ; 2.58; 7000;occ; 110; 0;35303
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3; 2099.5; 30-NOV-2008 10:41:39; Dark ; 60.0; 27; 24Gam Ori ; 1.64; 26000;occ; 120; 0;35304
4; 2234.1; 30-NOV-2008 10:43:53; Bright; 56.0; 13; 87Alp Tau ; 0.87; 3800;occ; 112; 0;35304
5; 2472.1; 30-NOV-2008 10:47:51; Bright; 38.5; 150; 44Zet Per ; 2.89; 28000;occ; 77; 0;35304
6; 2617.9; 30-NOV-2008 10:50:17; Bright; 37.5; 149; 45Eps Per ; 2.89; 30000;occ; 75; 0;35304
7; 2851.5; 30-NOV-2008 10:54:11; Bright; 46.5; 6; 13Alp Aur ; 0.08; 3400;occ; 93; 0;35304
8; 2962.5; 30-NOV-2008 10:56:02; Bright; 50.0; 42; 34Bet Aur ; 1.90; 10200;occ; 100; 0;35304
9; 3822.9; 30-NOV-2008 11:10:22; Bright; 43.5; 36; 50Alp UMA ; 1.80; 6300;occ; 87; 0;35304
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11; 4015.2; 30-NOV-2008 11:13:34; Bright; 39.5; 32; 77Eps UMA ; 1.76; 11000;occ; 79; 0;35304
12; 4188.8; 30-NOV-2008 11:16:28; Bright; 55.0; 174; 52Psi UMA ; 3.00; 4400;occ; 110; 0;35304
13; 4347.9; 30-NOV-2008 11:19:07; Bright; 39.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 79; 0;35304
14; 4919.7; 30-NOV-2008 11:28:39; Bright; 58.0; 62; 94Bet Leo ; 2.14; 9700;occ; 116; 0;35304
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16; 5456.8; 30-NOV-2008 11:37:36; Dark ; 45.5; 100; 4Gam Crv ; 2.58; 13100;occ; 91; 0;35304
17; 5552.4; 30-NOV-2008 11:39:12; Dark ; 45.0; 171; 2Eps Crv ; 3.00; 4250;occ; 90; 0;35304
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21; 6952.0; 30-NOV-2008 12:02:31; Dark ; 65.0; 117; Pi Pup ; 2.71; 3800;occ; 130; 0;35304
22; 7097.7; 30-NOV-2008 12:04:57; Dark ; 42.0; 88; 31Eta CMA ; 2.45; 20000;occ; 84; 0;35304
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4; 2099.0; 30-NOV-2008 12:22:14; Dark ; 60.0; 27; 24Gam Ori ; 1.64; 26000;occ; 120; 0;35305
5; 2233.8; 30-NOV-2008 12:24:29; Bright; 53.5; 13; 87Alp Tau ; 0.87; 3800;occ; 107; 0;35305
6; 2471.8; 30-NOV-2008 12:28:27; Bright; 36.5; 150; 44Zet Per ; 2.89; 28000;occ; 73; 0;35305
7; 2617.7; 30-NOV-2008 12:30:53; Bright; 36.5; 149; 45Eps Per ; 2.89; 30000;occ; 73; 0;35305
8; 2850.8; 30-NOV-2008 12:34:46; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;35305
9; 2961.5; 30-NOV-2008 12:36:37; Bright; 52.0; 42; 34Bet Aur ; 1.90; 10200;occ; 104; 0;35305
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21; 6743.8; 30-NOV-2008 13:39:39; Dark ; 54.5; 70; Zet Pup ; 2.25; 39000;occ; 109; 0;35305
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 5; 2233.5; 30-NOV-2008 14:05:04; Bright; 55.5; 13; 87Alp Tau ; 0.87; 3800;occ; 111; 0;35306  
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 5; 2233.1; 30-NOV-2008 15:45:40; Bright; 54.0; 13; 87Alp Tau ; 0.87; 3800;occ; 108; 0;35307  
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 3; 1536.1; 30-NOV-2008 17:14:39; Dark ; 53.5; 101; 11Alp Lep ; 2.58; 7000;occ; 107; 0;35308  
 4; 1752.8; 30-NOV-2008 17:18:16; Dark ; 59.5; 7; 19Bet Ori ; 0.10; 14000;occ; 119; 0;35308  
 5; 1934.1; 30-NOV-2008 17:21:17; Dark ; 63.0; 30; 46Eps Ori ; 1.69; 30000;occ; 126; 0;35308  
 6; 2097.3; 30-NOV-2008 17:24:00; Dark ; 60.5; 27; 24Gam Ori ; 1.64; 26000;occ; 121; 0;35308  
 7; 2232.8; 30-NOV-2008 17:26:16; Bright; 51.0; 13; 87Alp Tau ; 0.87; 3800;occ; 102; 0;35308  
 8; 2471.1; 30-NOV-2008 17:30:14; Bright; 38.5; 150; 44Zet Per ; 2.89; 28000;occ; 77; 0;35308  
 9; 2616.7; 30-NOV-2008 17:32:40; Bright; 51.0; 149; 45Eps Per ; 2.89; 30000;occ; 102; 0;35308  
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 11; 2958.8; 30-NOV-2008 17:38:22; Bright; 52.0; 42; 34Bet Aur ; 1.90; 10200;occ; 104; 0;35308  
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22; 6641.6; 30-NOV-2008 18:39:45; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;35308
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