

# GOMOS Daily Report 01-AUG-2009

## 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	04AUG2009 05:13:51
Data source version	GOMOS/5.00
Start time of products	01AUG2009 00:00:25
Stop time of products	01AUG2009 23:53:30
Store outputs in DB	Yes
Nb of level 1b prods	101
Nb of prods with errors	0

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

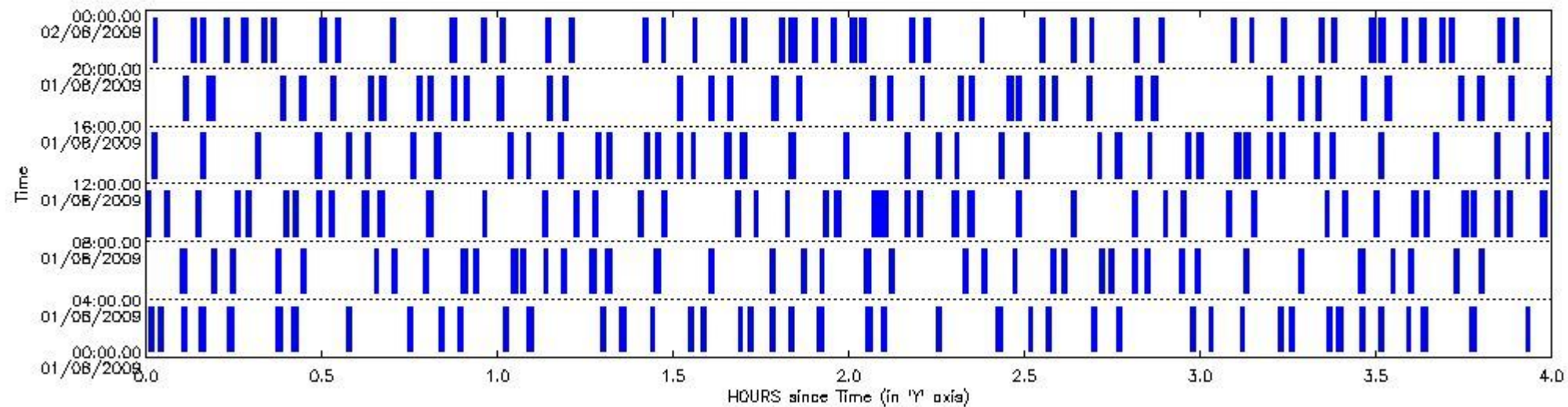
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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.

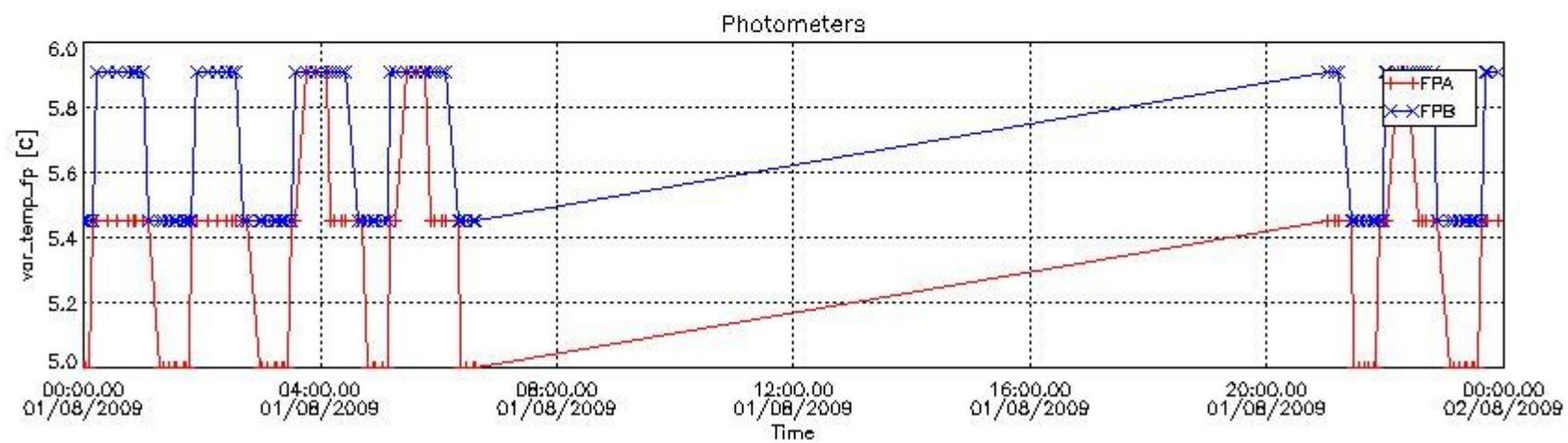
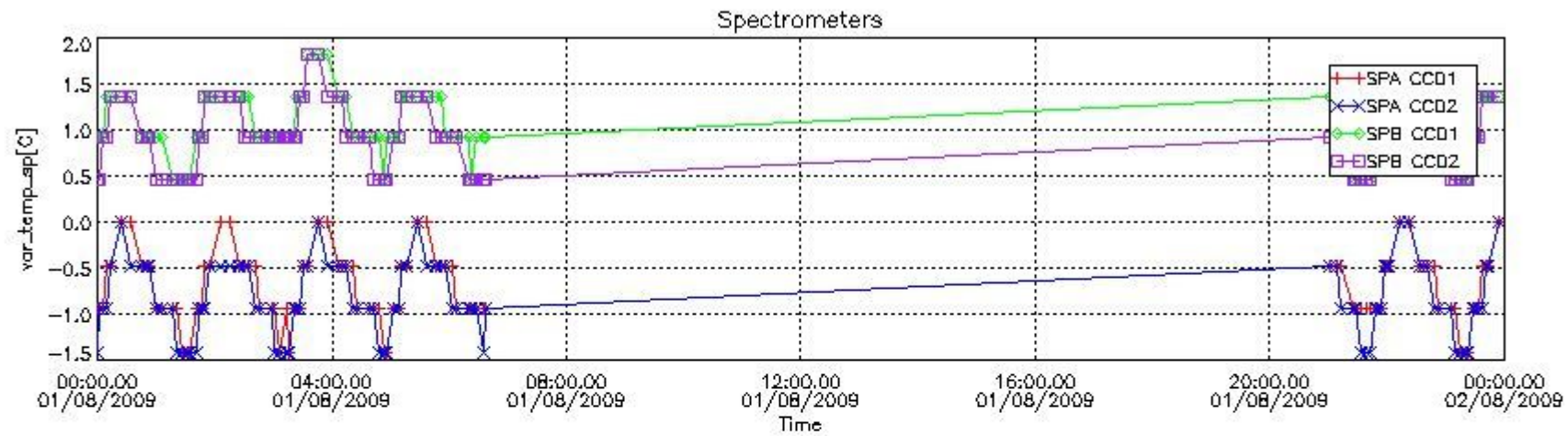
### 2.4 Summary of processed GOM\_TRA\_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20090801_000025_000000482081_00159_38790_3388.N1	01-AUG-2009 00:00:25	Bright	47.500	160	23Gam Per	2.9300	4700.0	95	38790	No
2	GOM_TRA_1PNPDE20090801_000205_000000512081_00159_38790_3389.N1	01-AUG-2009 00:02:05	Bright	50.500	35	33Alp Per	1.7950	6250.0	101	38790	No
3	GOM_TRA_1PNPDE20090801_000602_000000522081_00159_38790_3390.N1	01-AUG-2009 00:06:02	Bright	52.000	149	45Eps Per	2.8880	30000.	104	38790	No
4	GOM_TRA_1PNPDE20090801_000907_000000522081_00159_38790_3391.N1	01-AUG-2009 00:09:07	Twilight_and_stray	52.000	150	44Zet Per	2.8900	28000.	104	38790	No
5	GOM_TRA_1PNPDE20090801_001355_000000632081_00159_38790_3392.N1	01-AUG-2009 00:13:55	Dark	63.000	13	87Alp Tau	0.86700	3800.0	126	38790	No
6	GOM_TRA_1PNPDE20090801_002453_000000562081_00159_38790_3523.N1	01-AUG-2009 00:24:53	Dark	55.500	165	34Gam Eri	2.9500	3200.0	111	38790	No
7	GOM_TRA_1PNPDE20090801_003418_000000452081_00159_38790_3524.N1	01-AUG-2009 00:34:18	Dark	44.500	157	The1Eri	2.9060	9300.0	89	38790	No
8	GOM_TRA_1PNPDE20090801_004435_000000532081_00160_38791_3525.N1	01-AUG-2009 00:44:35	Straylight	53.000	84	Alp Phe	2.3970	4500.0	106	38791	No
9	GOM_TRA_1PNPDE20090801_005001_000000442081_00160_38791_3526.N1	01-AUG-2009 00:50:01	Straylight	44.000	31	Alp Gru	1.7340	15200.	88	38791	No
10	GOM_TRA_1PNPDE20090801_005310_000000452081_00160_38791_3527.N1	01-AUG-2009 00:53:10	Straylight	44.500	172	Gam Gru	3.0030	13100.	89	38791	No
11	GOM_TRA_1PNPDE20090801_010052_000000532081_00160_38791_3528.N1	01-AUG-2009 01:00:52	Bright	53.000	142	49Del Cap	2.8500	8900.0	106	38791	No
12	GOM_TRA_1PNPDE20090801_010506_000000542081_00160_38791_3529.N1	01-AUG-2009 01:05:06	Bright	54.000	154	22Bet Aqr	2.8990	5700.0	108	38791	No



72	GOM_TRA_1PNPDE20090801_212446_000000452081_00172_38803_4359.N1	01-AUG-2009 21:24:46	Bright	44.500	92	53Eps Cyg	2.5000	4500.0	89	38803	No
73	GOM_TRA_1PNPDE20090801_212754_000000422081_00172_38803_4360.N1	01-AUG-2009 21:27:54	Bright	42.000	19	50Alp Cyg	1.2460	10500.	84	38803	No
74	GOM_TRA_1PNPDE20090801_213319_000000402081_00172_38803_4361.N1	01-AUG-2009 21:33:19	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	38803	No
75	GOM_TRA_1PNPDE20090801_213943_000000512081_00172_38803_4362.N1	01-AUG-2009 21:39:43	Bright	51.000	74	11Bet Cas	2.2680	6600.0	102	38803	No
76	GOM_TRA_1PNPDE20090801_214142_000000472081_00172_38803_4363.N1	01-AUG-2009 21:41:42	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	38803	No
77	GOM_TRA_1PNPDE20090801_214808_000000482081_00172_38803_4364.N1	01-AUG-2009 21:48:08	Bright	48.000	160	23Gam Per	2.9300	4700.0	96	38803	No
78	GOM_TRA_1PNPDE20090801_214949_000000692081_00172_38803_4365.N1	01-AUG-2009 21:49:49	Bright	69.000	35	33Alp Per	1.7950	6250.0	138	38803	No
79	GOM_TRA_1PNPDE20090801_215348_000000472081_00172_38803_4366.N1	01-AUG-2009 21:53:48	Bright	46.500	149	45Eps Per	2.8880	30000.	93	38803	No
80	GOM_TRA_1PNPDE20090801_215656_000000562081_00172_38803_4367.N1	01-AUG-2009 21:56:56	Twilight	55.500	150	44Zet Per	2.8900	28000.	111	38803	No
81	GOM_TRA_1PNPDE20090801_220012_000000602081_00172_38803_4368.N1	01-AUG-2009 22:00:12	Dark	59.500	146	25Eta Tau	2.8730	15200.	119	38803	No
82	GOM_TRA_1PNPDE20090801_220148_000000582081_00172_38803_4369.N1	01-AUG-2009 22:01:48	Dark	57.500	13	87Alp Tau	0.86700	3800.0	115	38803	No
83	GOM_TRA_1PNPDE20090801_221253_000000542081_00172_38803_4496.N1	01-AUG-2009 22:12:53	Dark	54.000	165	34Gam Eri	2.9500	3200.0	108	38803	No
84	GOM_TRA_1PNPDE20090801_222218_000000472081_00172_38803_4497.N1	01-AUG-2009 22:22:18	Dark	46.500	157	The1Eri	2.9060	9300.0	93	38803	No
85	GOM_TRA_1PNPDE20090801_223236_000000542081_00173_38804_4498.N1	01-AUG-2009 22:32:36	Straylight	53.500	84	Alp Phe	2.3970	4500.0	107	38804	No
86	GOM_TRA_1PNPDE20090801_223757_000000472081_00173_38804_4499.N1	01-AUG-2009 22:37:57	Straylight	46.500	31	Alp Gru	1.7340	15200.	93	38804	No
87	GOM_TRA_1PNPDE20090801_224103_000000442081_00173_38804_4500.N1	01-AUG-2009 22:41:03	Straylight	44.000	172	Gam Gru	3.0030	13100.	88	38804	No
88	GOM_TRA_1PNPDE20090801_224841_000000522081_00173_38804_4501.N1	01-AUG-2009 22:48:41	Bright	52.000	142	49Del Cap	2.8500	8900.0	104	38804	No
89	GOM_TRA_1PNPDE20090801_225250_000000532081_00173_38804_4502.N1	01-AUG-2009 22:52:50	Bright	52.500	154	22Bet Aqr	2.8990	5700.0	105	38804	No
90	GOM_TRA_1PNPDE20090801_230522_000000482081_00173_38804_4503.N1	01-AUG-2009 23:05:22	Bright	47.500	92	53Eps Cyg	2.5000	4500.0	95	38804	No
91	GOM_TRA_1PNPDE20090801_230829_000000392081_00173_38804_4504.N1	01-AUG-2009 23:08:29	Bright	38.500	19	50Alp Cyg	1.2460	10500.	77	38804	No
92	GOM_TRA_1PNPDE20090801_231355_000000402081_00173_38804_4505.N1	01-AUG-2009 23:13:55	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	38804	No
93	GOM_TRA_1PNPDE20090801_232018_000000522081_00173_38804_4506.N1	01-AUG-2009 23:20:18	Bright	51.500	74	11Bet Cas	2.2680	6600.0	103	38804	No
94	GOM_TRA_1PNPDE20090801_232217_000000512081_00173_38804_4507.N1	01-AUG-2009 23:22:17	Bright	50.500	76	27Gam Cas	2.3000	30000.	101	38804	No
95	GOM_TRA_1PNPDE20090801_232843_000000702081_00173_38804_4508.N1	01-AUG-2009 23:28:43	Bright	70.000	160	23Gam Per	2.9300	4700.0	140	38804	No
96	GOM_TRA_1PNPDE20090801_233024_000000692081_00173_38804_4509.N1	01-AUG-2009 23:30:24	Bright	69.000	35	33Alp Per	1.7950	6250.0	138	38804	No
97	GOM_TRA_1PNPDE20090801_233424_000000492081_00173_38804_4510.N1	01-AUG-2009 23:34:24	Bright	48.500	149	45Eps Per	2.8880	30000.	97	38804	No
98	GOM_TRA_1PNPDE20090801_233732_000000562081_00173_38804_4511.N1	01-AUG-2009 23:37:32	Twilight	55.500	150	44Zet Per	2.8900	28000.	111	38804	No
99	GOM_TRA_1PNPDE20090801_234048_000000572081_00173_38804_4512.N1	01-AUG-2009 23:40:48	Dark	57.000	146	25Eta Tau	2.8730	15200.	114	38804	No
100	GOM_TRA_1PNPDE20090801_234224_000000592081_00173_38804_4513.N1	01-AUG-2009 23:42:24	Dark	58.500	13	87Alp Tau	0.86700	3800.0	117	38804	No
101	GOM_TRA_1PNPDE20090801_235330_000000562081_00173_38804_4652.N1	01-AUG-2009 23:53:30	Dark	55.500	165	34Gam Eri	2.9500	3200.0	111	38804	No

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



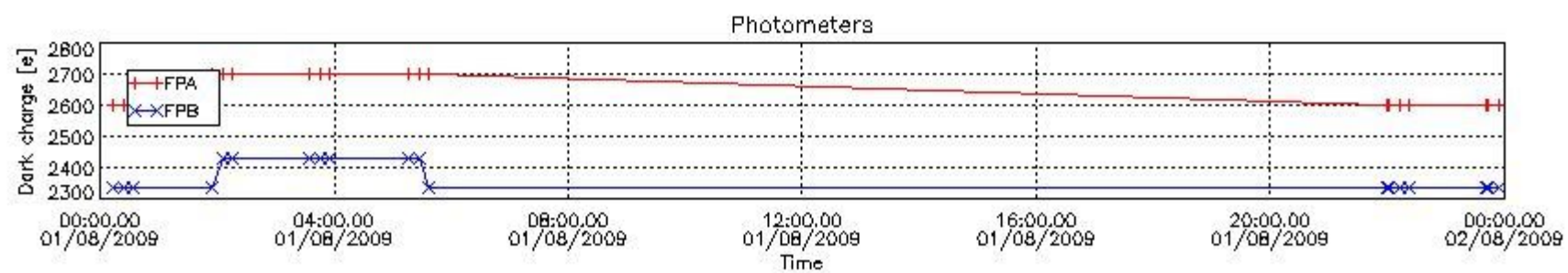
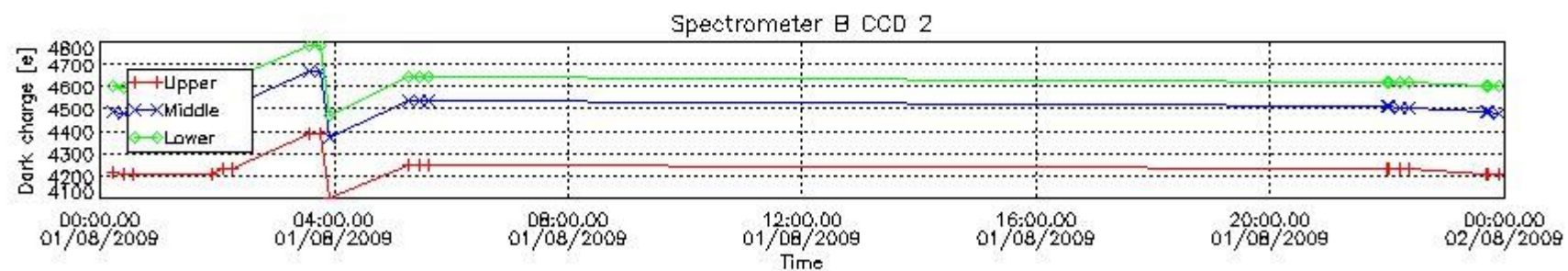
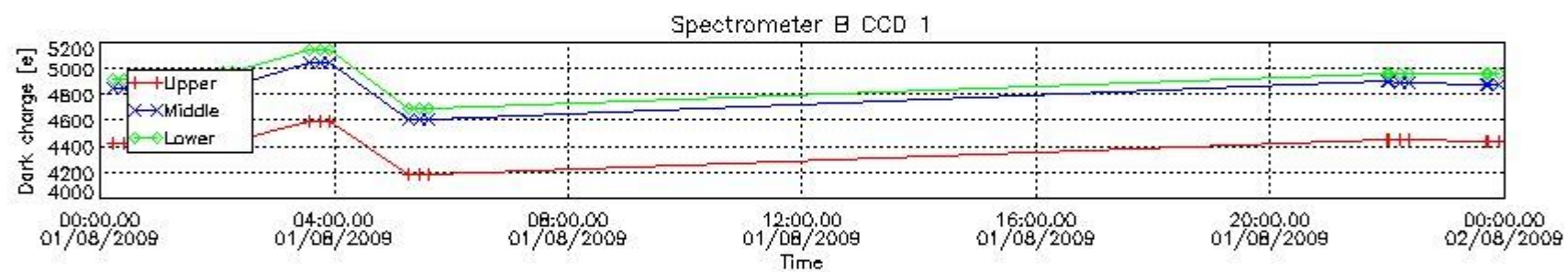
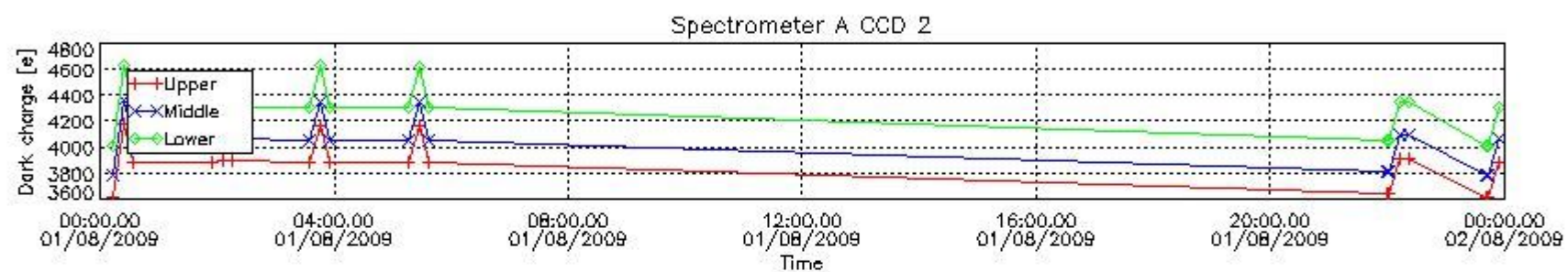
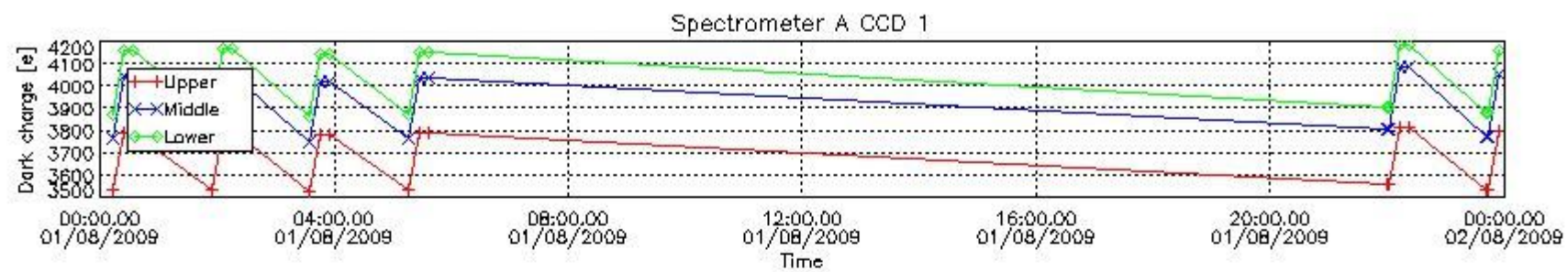
#### 4. Overview of dark signal processing per product

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



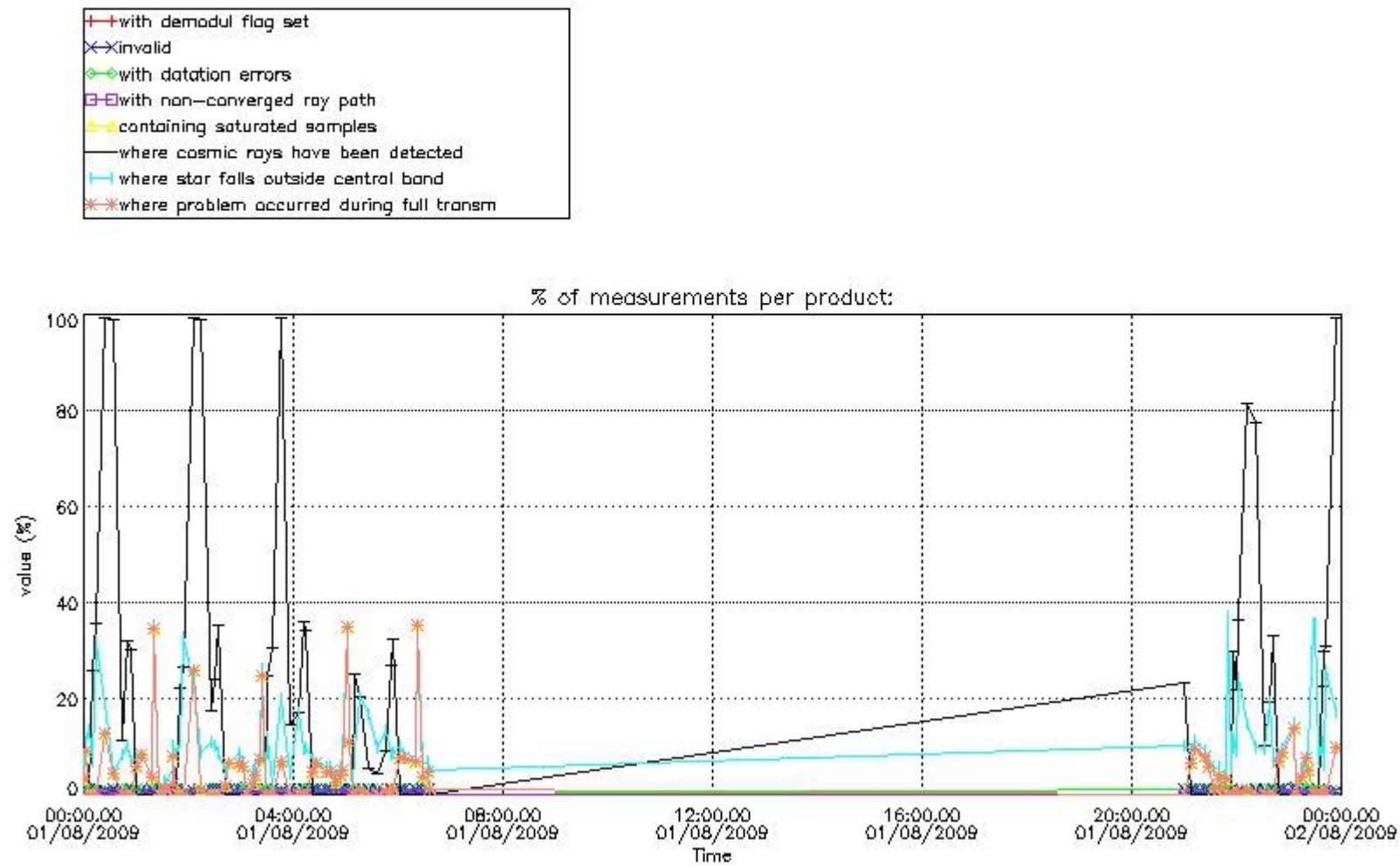
## 5. Demodulation flag and quality information monitoring

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.

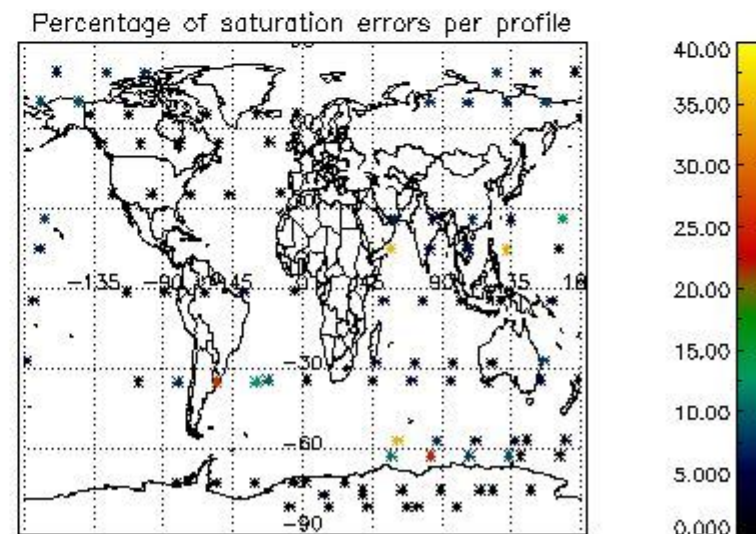
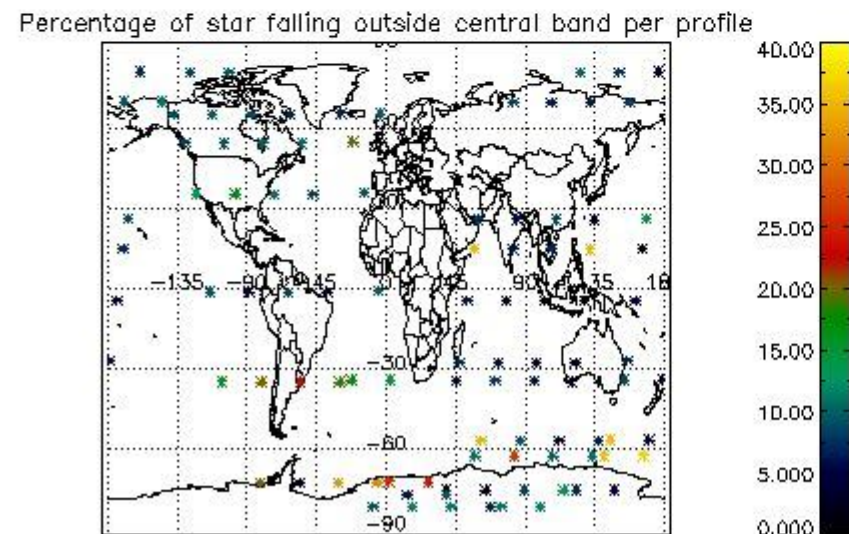
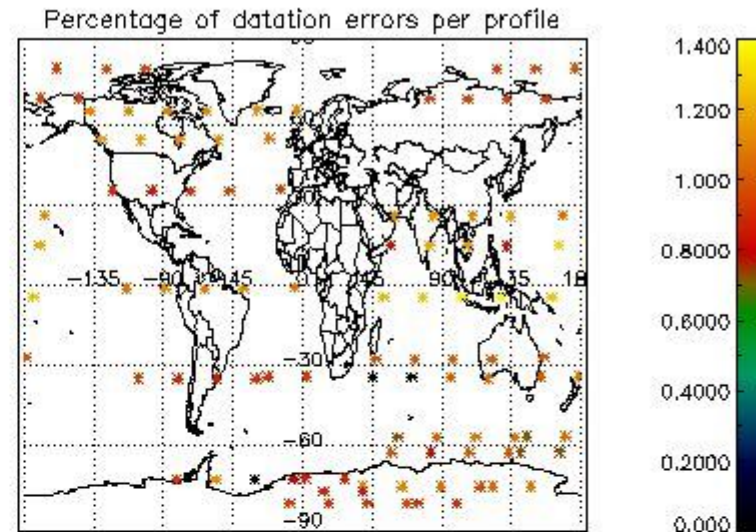
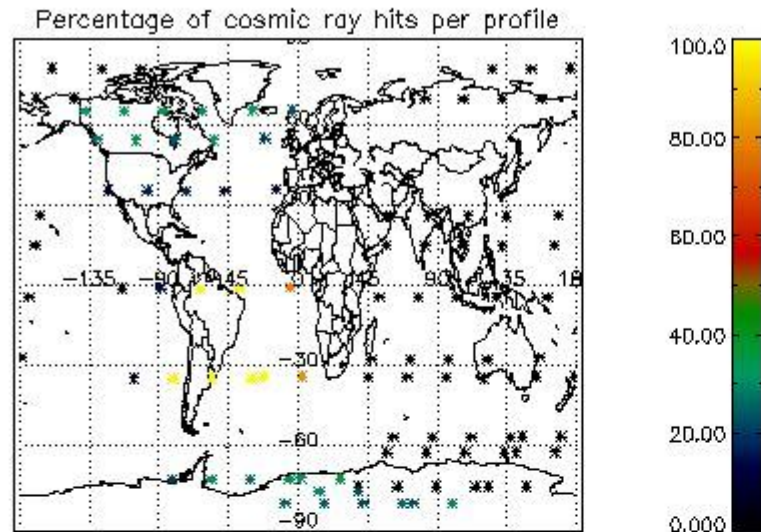
### 5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	25.7426 %
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)

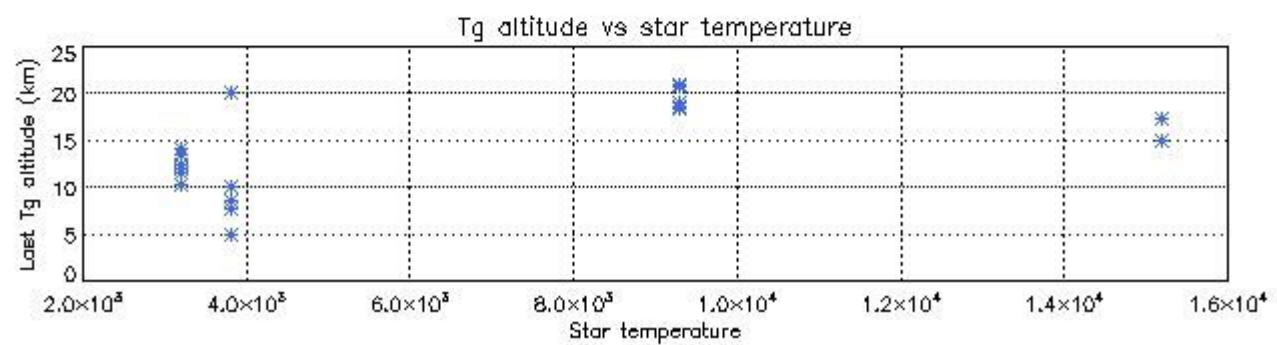
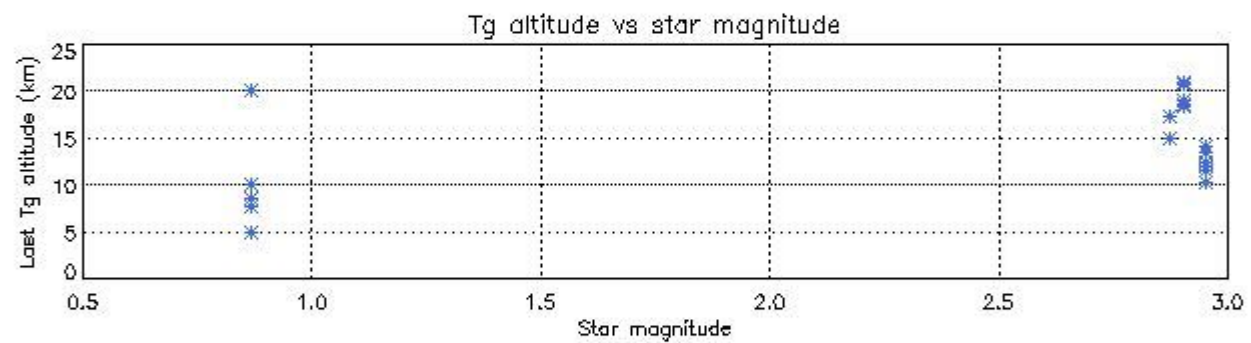
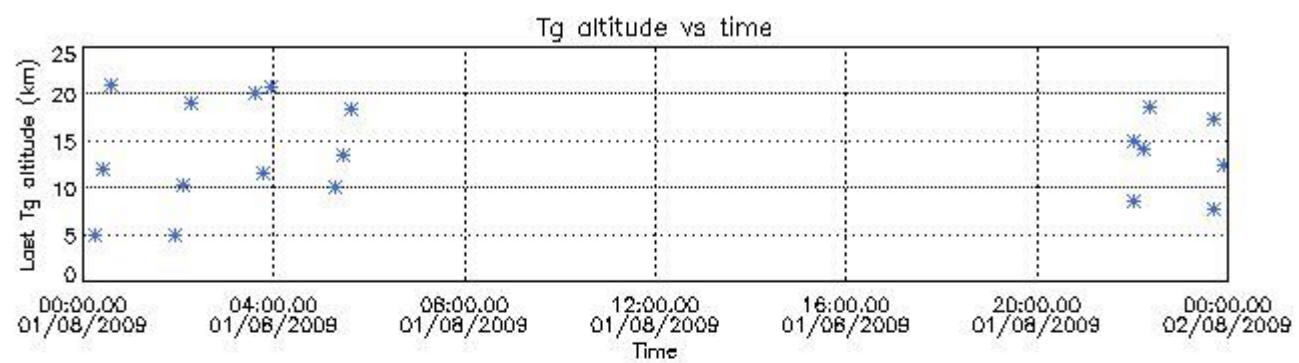
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.674	18.541	NaN
St. deviation:	5.1935	5.9125	NaN
Maximum:	20.870	30.654	NaN
Minimum:	4.8183	2.4068	NaN
Number of data:	19.000	60.000	NaN

### 6.2 Plot for DARK limb products

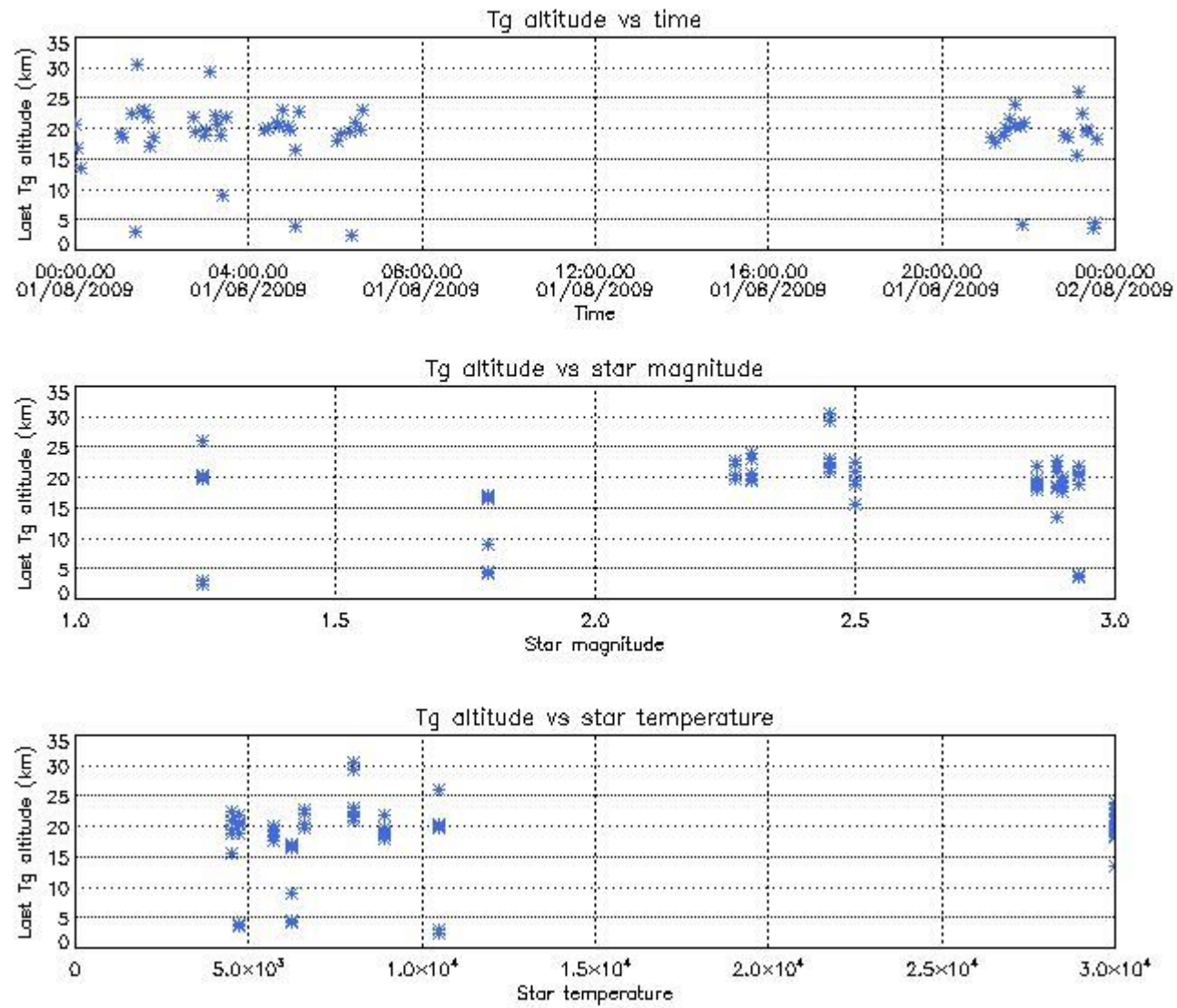


Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost

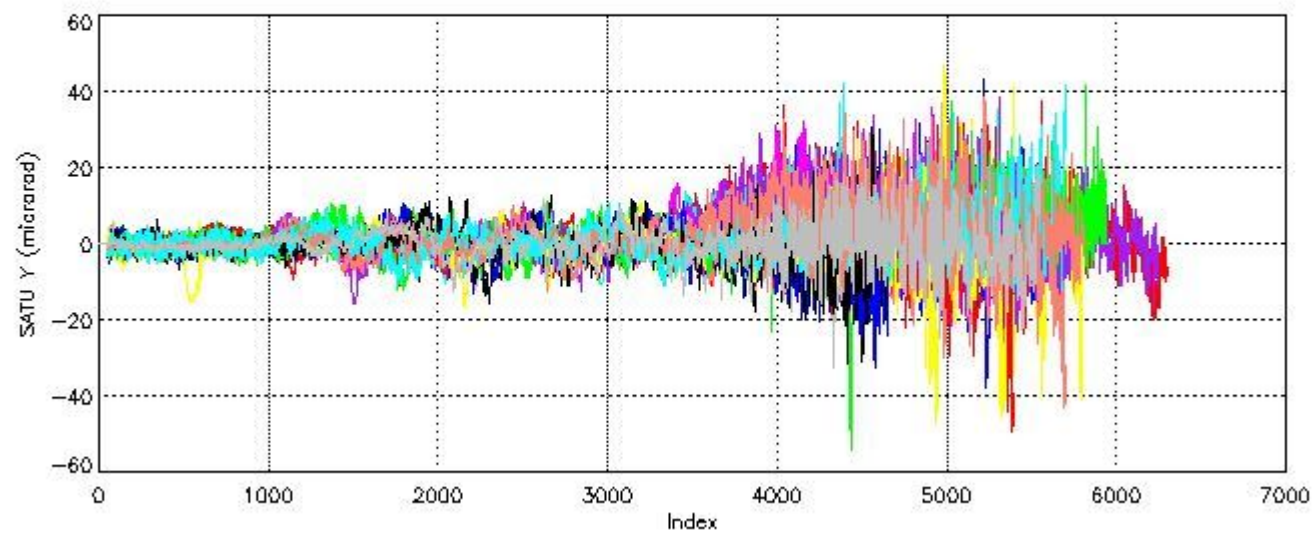
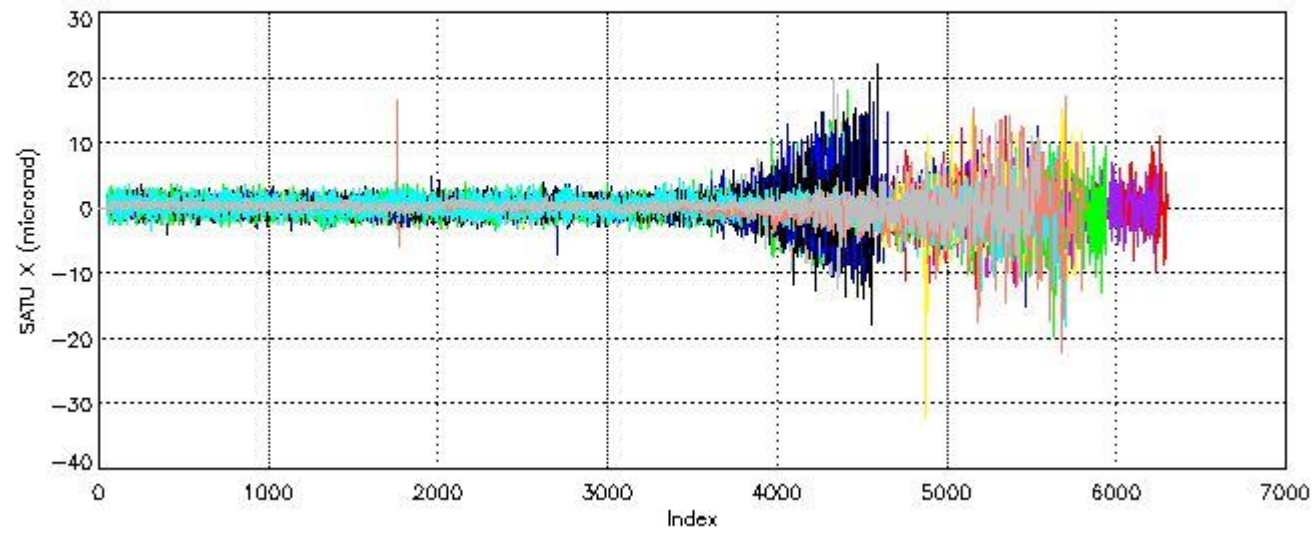


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.23862	-0.39666	0.29542	-0.54855
St. deviation:	0.53016	1.4155	0.83009	1.4595
Maximum:	3.7000	7.0000	6.0000	10.100
Minimum:	-4.0000	-15.400	-5.9000	-8.8000

Number of data:	21250.	21250.	65500.	65500.
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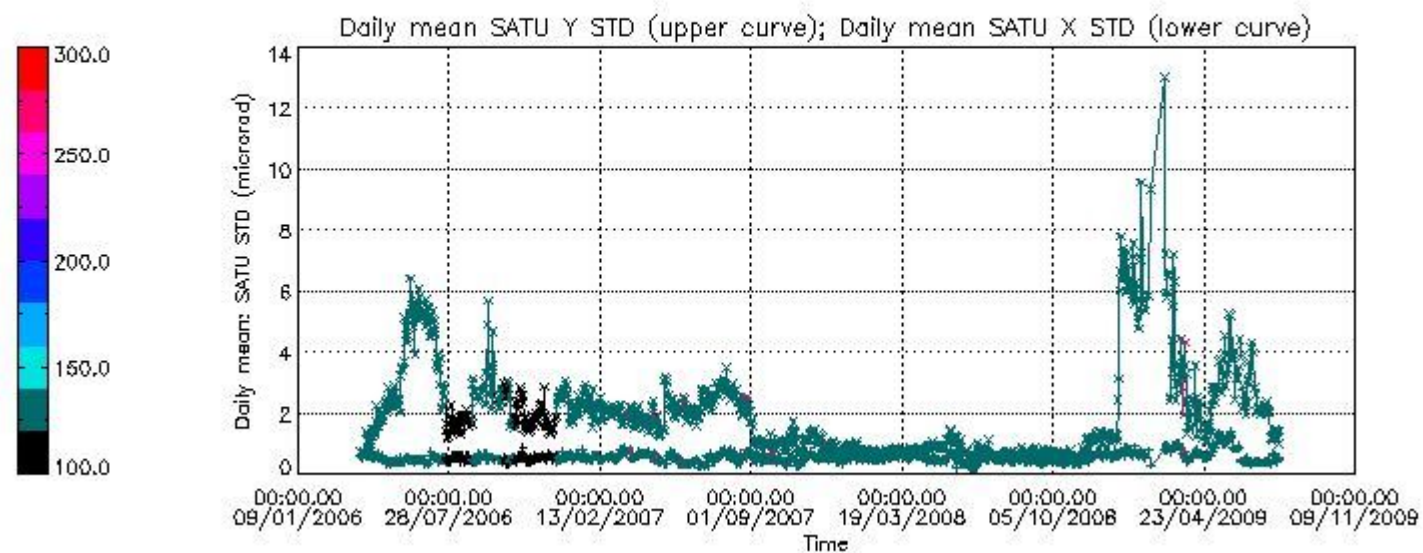
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

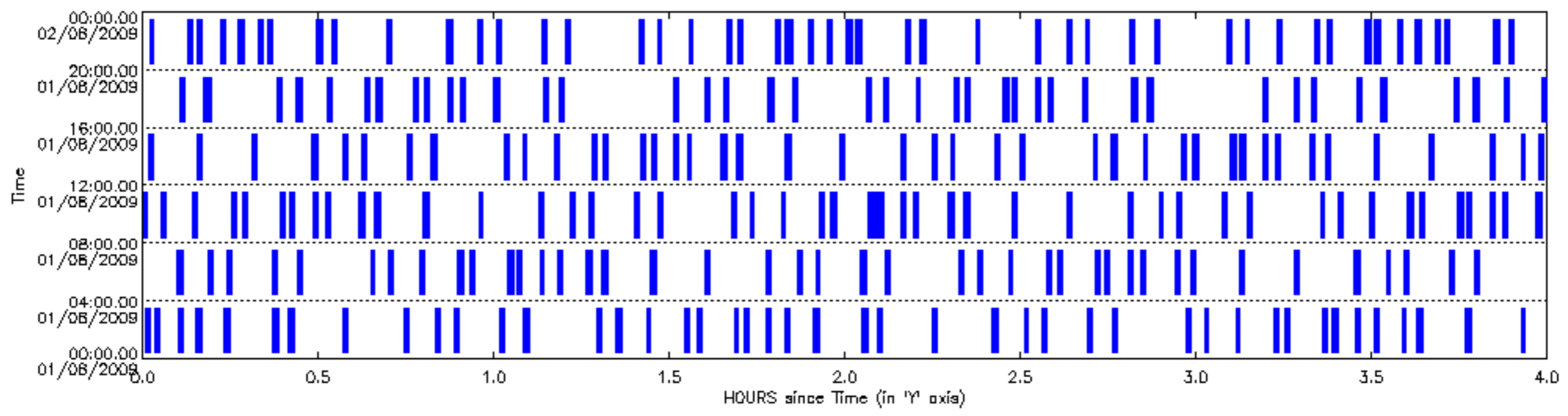
Lower curve: STD of SATU X axis

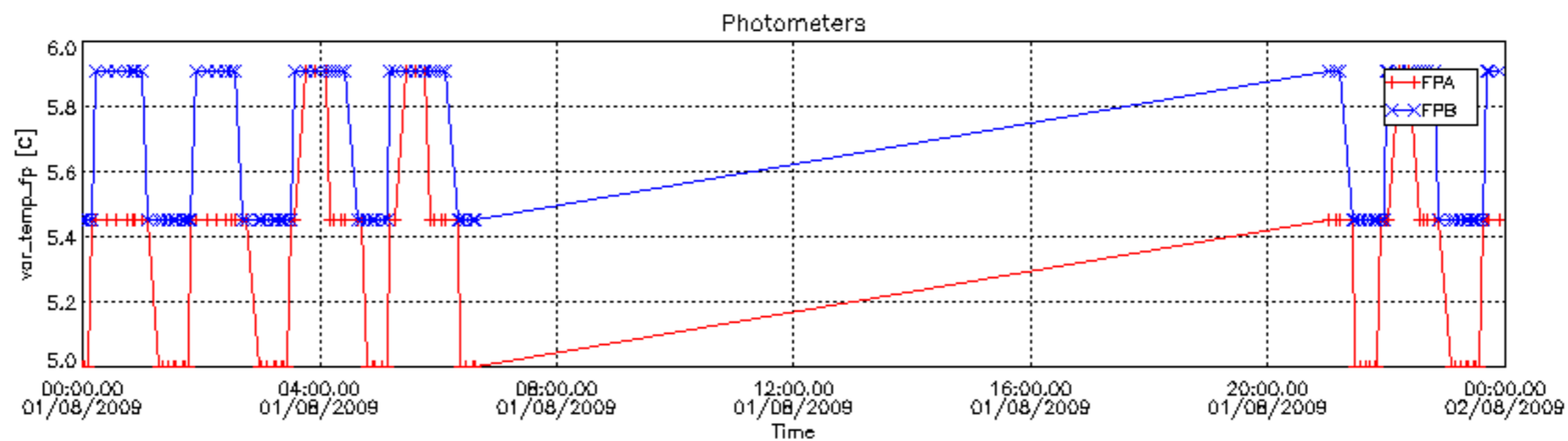
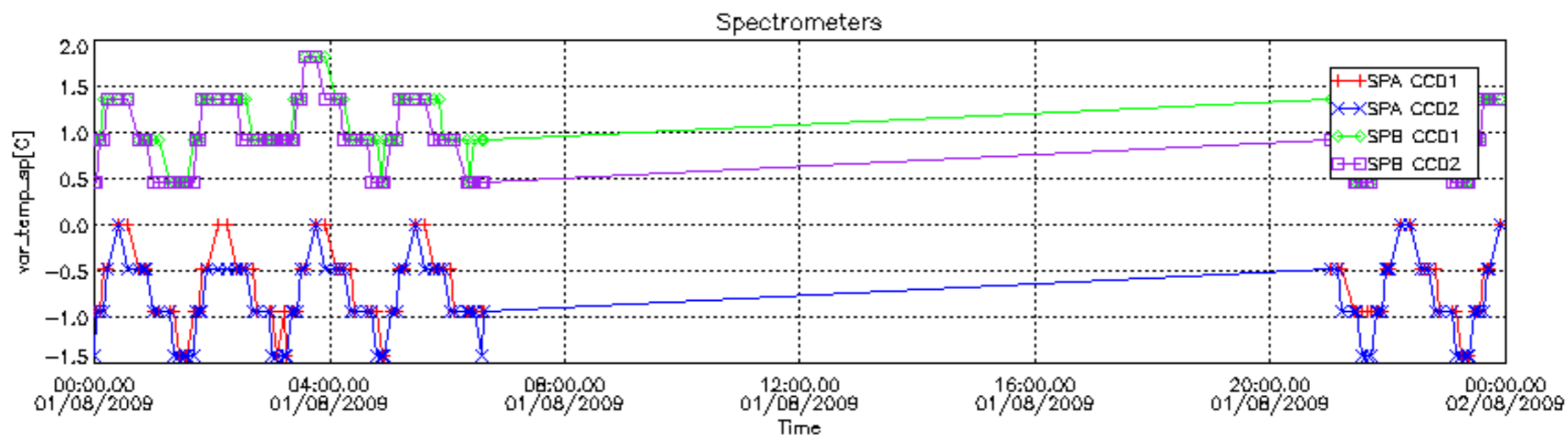


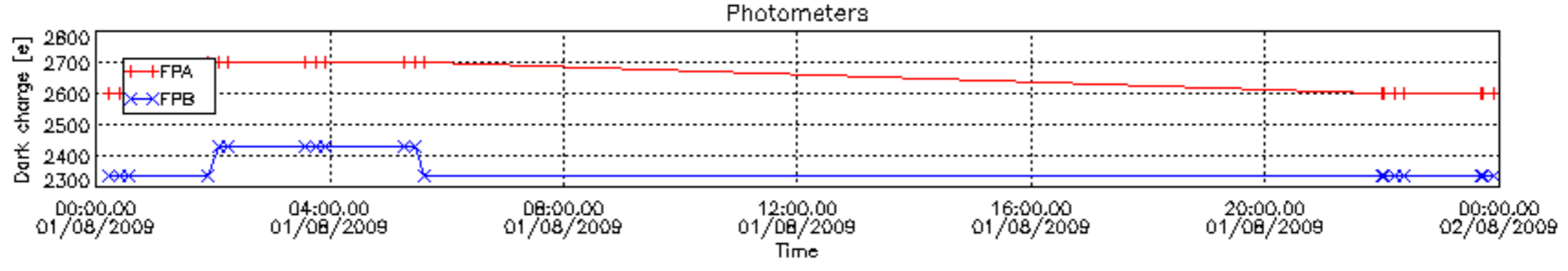
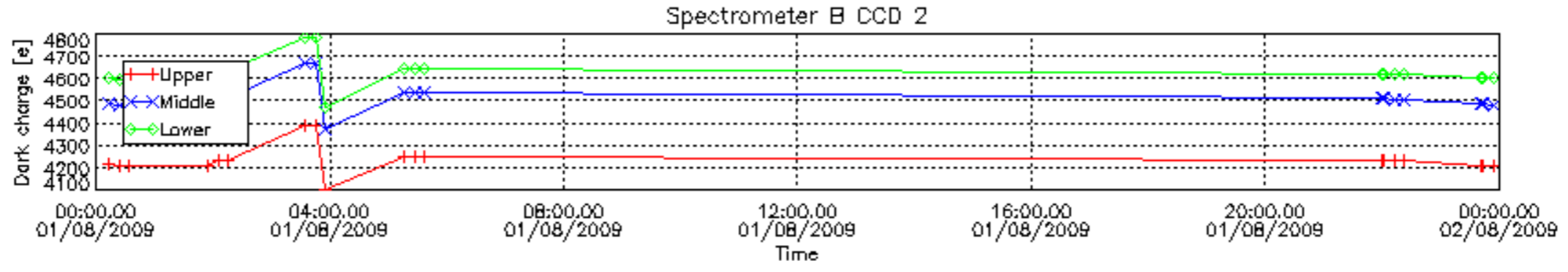
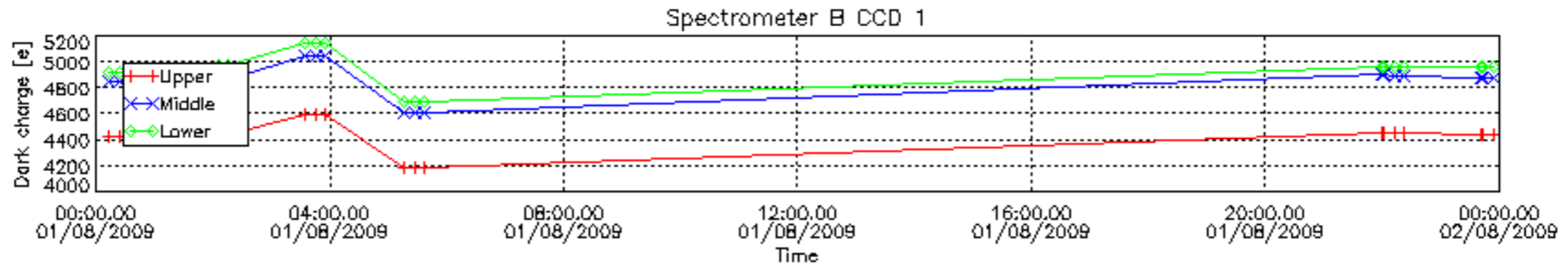
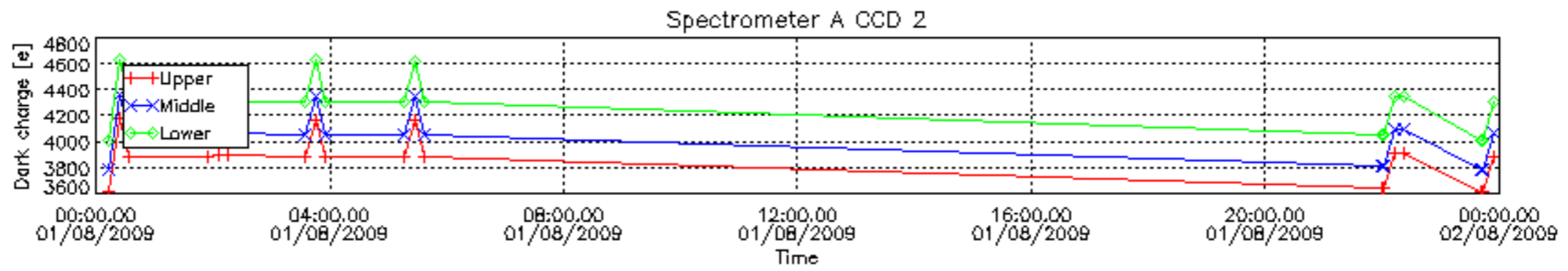
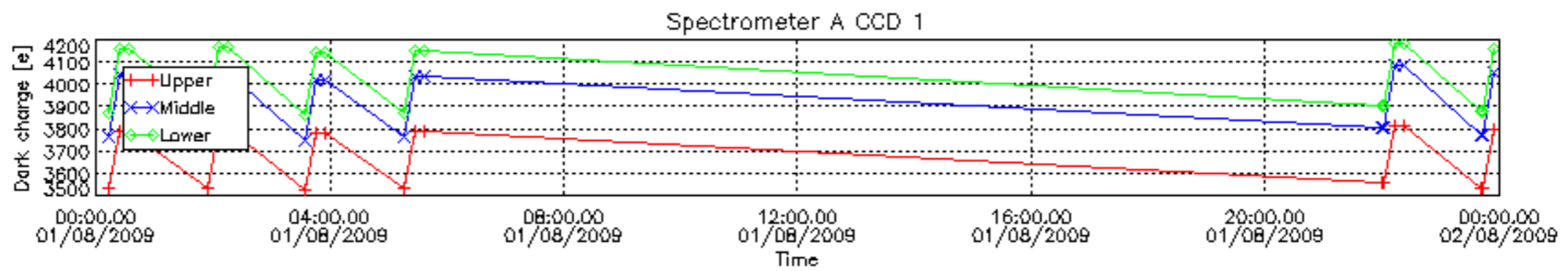
### 8. Auxiliary Data Files used for the production reported in section 2.4

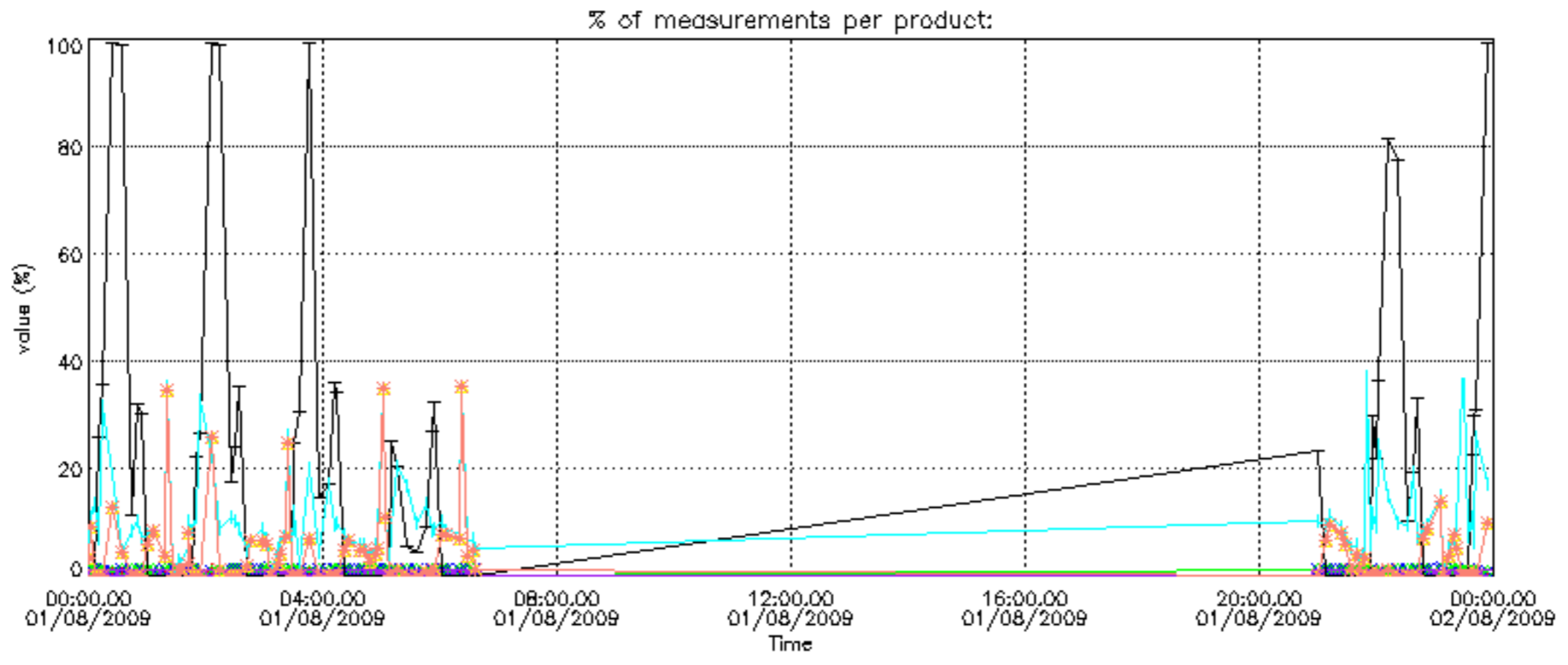
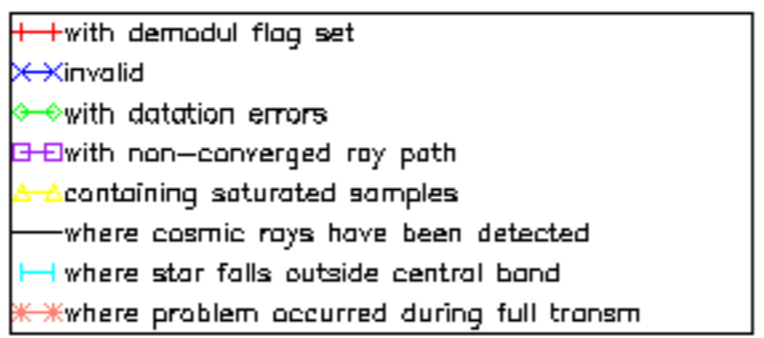
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	01-AUG-2009 00:00:25
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20090730_093840_20090728_000000_20100101_000000	1	01-AUG-2009 00:00:25
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	01-AUG-2009 00:00:25
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	01-AUG-2009 00:00:25
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	01-AUG-2009 00:00:25
ECMWF_FILE	AUX_ECF_AXNECM20090731_064110_20090731_210000_20090801_090000	1	01-AUG-2009 00:00:25
ECMWF_FILE	AUX_ECF_AXNECM20090731_183002_20090801_030000_20090801_150000	34	01-AUG-2009 03:15:14
ECMWF_FILE	AUX_ECF_AXNECM20090801_064110_20090801_210000_20090802_090000	69	01-AUG-2009 21:00:27
OPTIONAL_ECMWF_FILE	MISSING	1	01-AUG-2009 00:00:25
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ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090801_002226_000054192081_00159_38790_8465.N1	23	01-AUG-2009 02:05:30
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090801_015804_000041442081_00160_38791_8466.N1	34	01-AUG-2009 03:15:14
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090801_031227_000057382081_00161_38792_8467.N1	52	01-AUG-2009 05:02:12
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090801_205505_000041442081_00172_38803_8469.N1	69	01-AUG-2009 21:00:27
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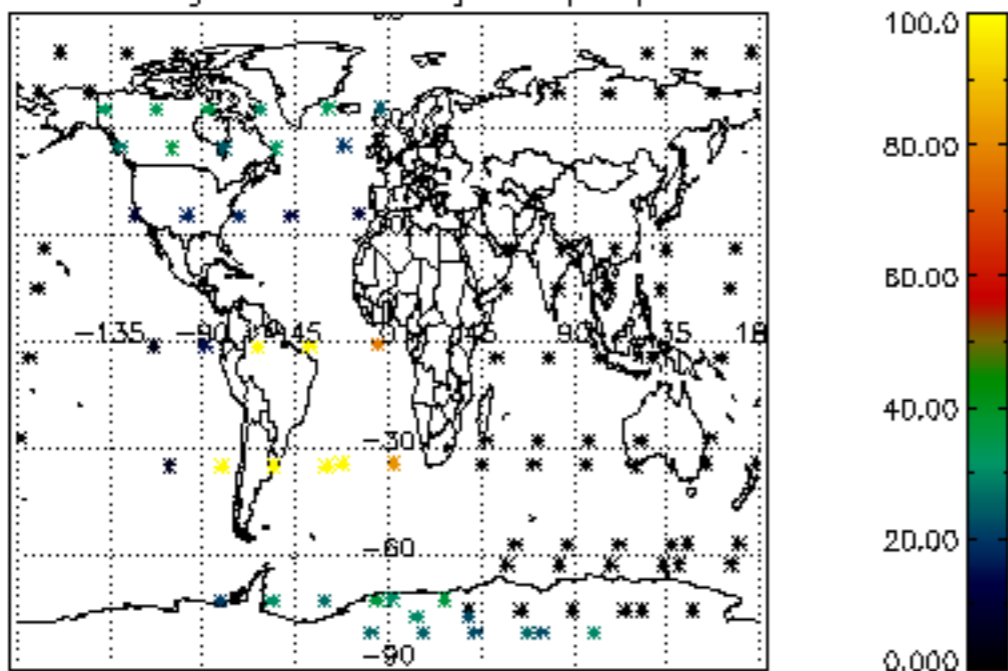




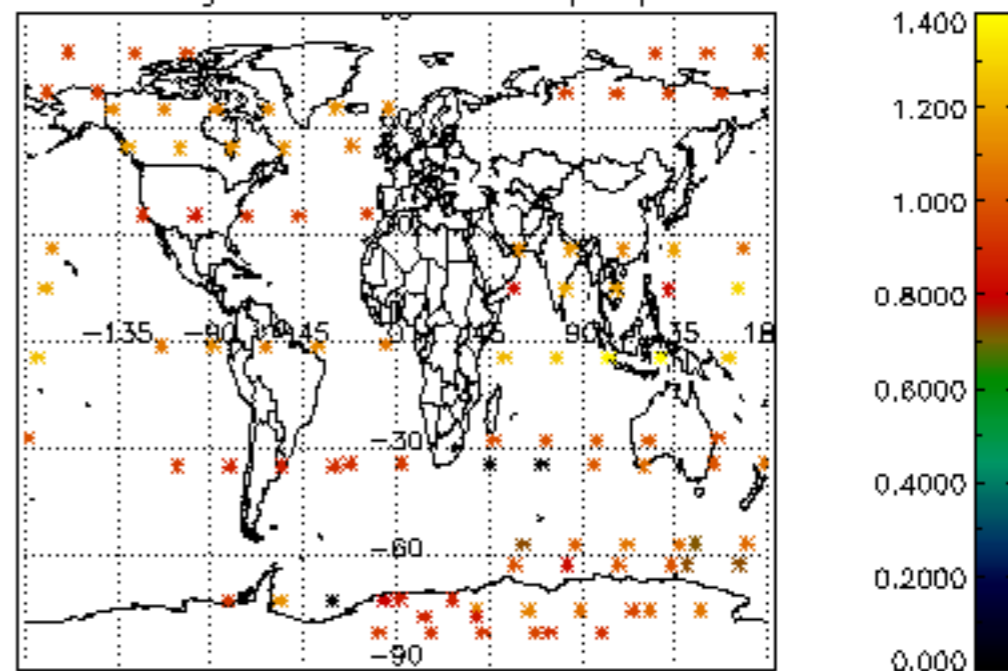




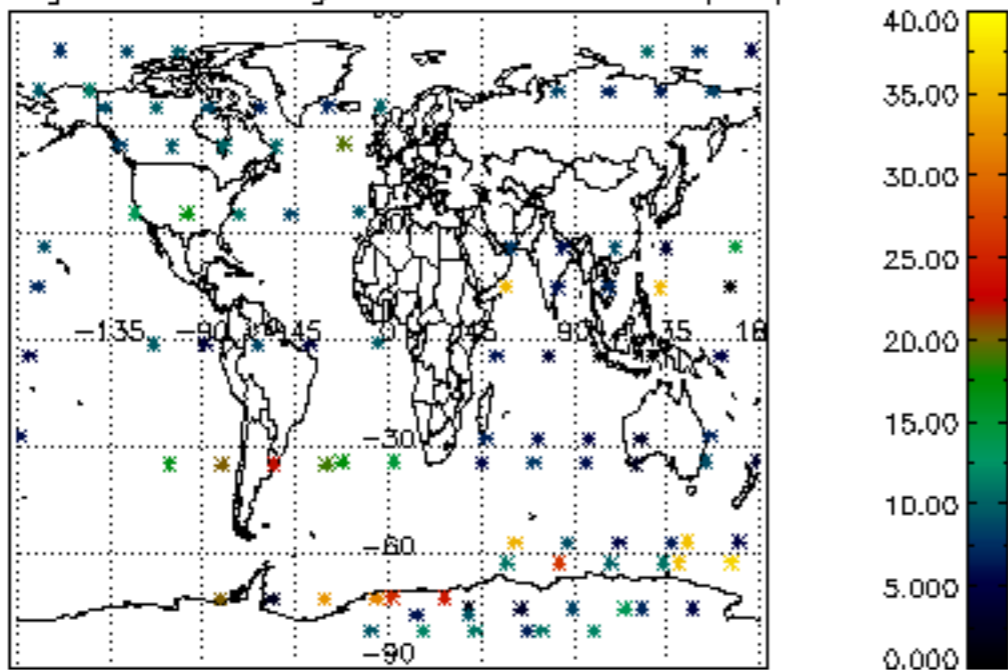
Percentage of cosmic ray hits per profile



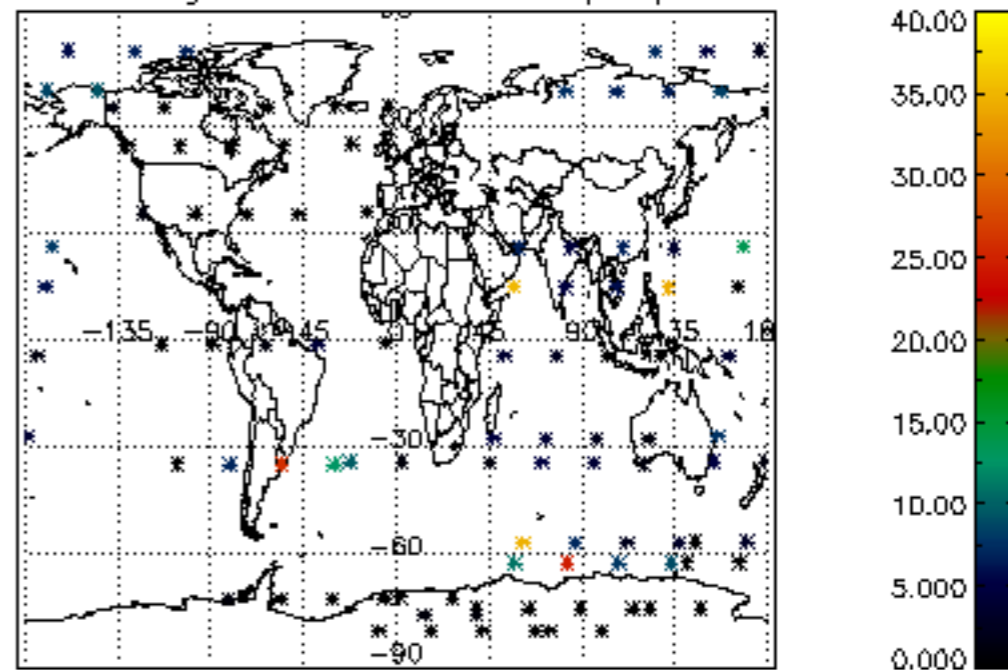
Percentage of datation errors per profile



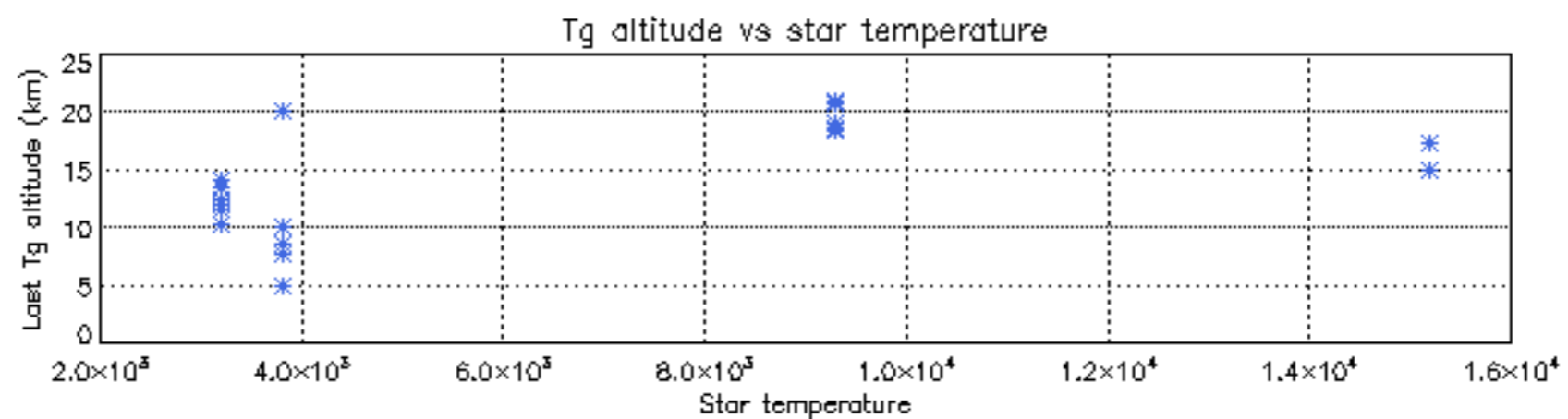
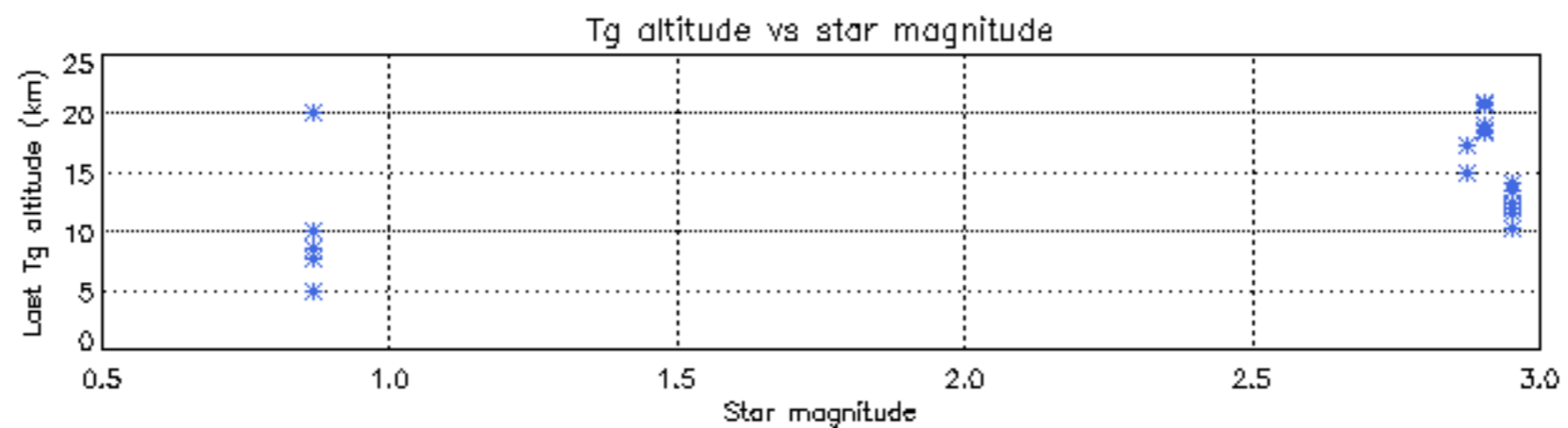
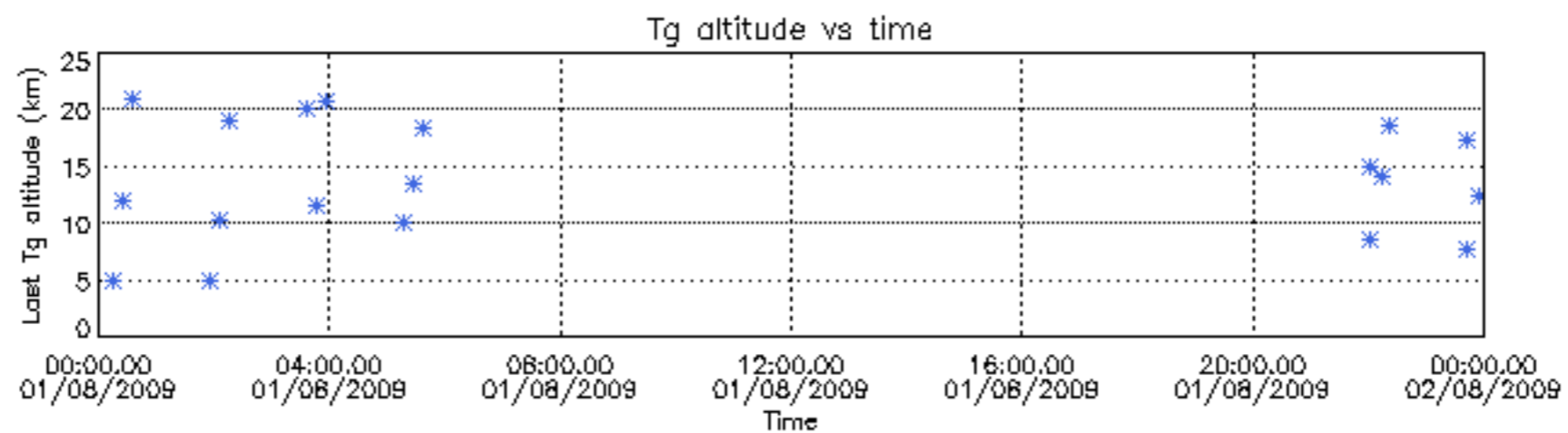
Percentage of star falling outside central band per profile



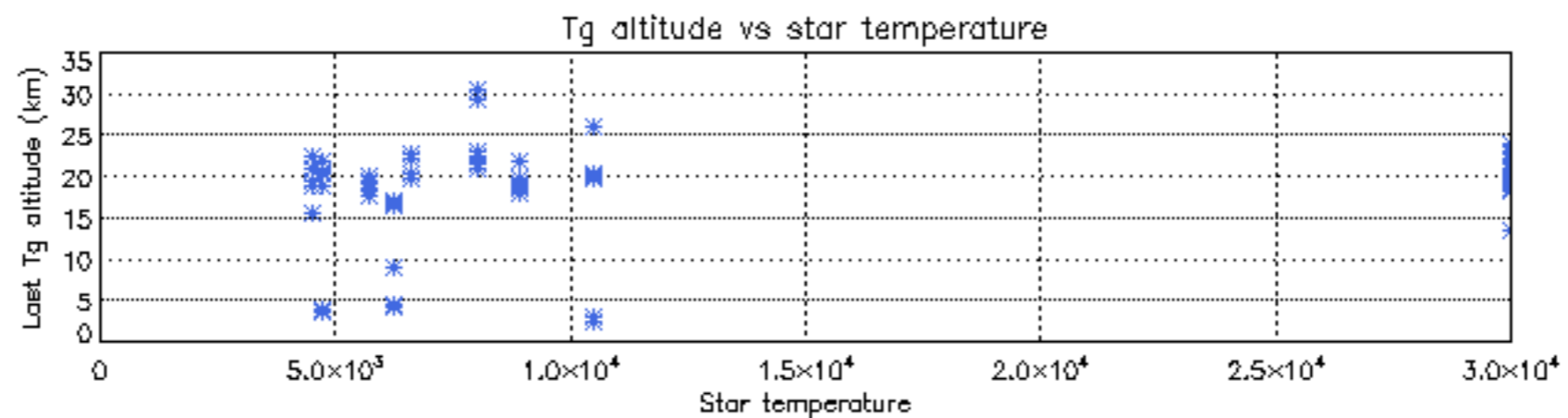
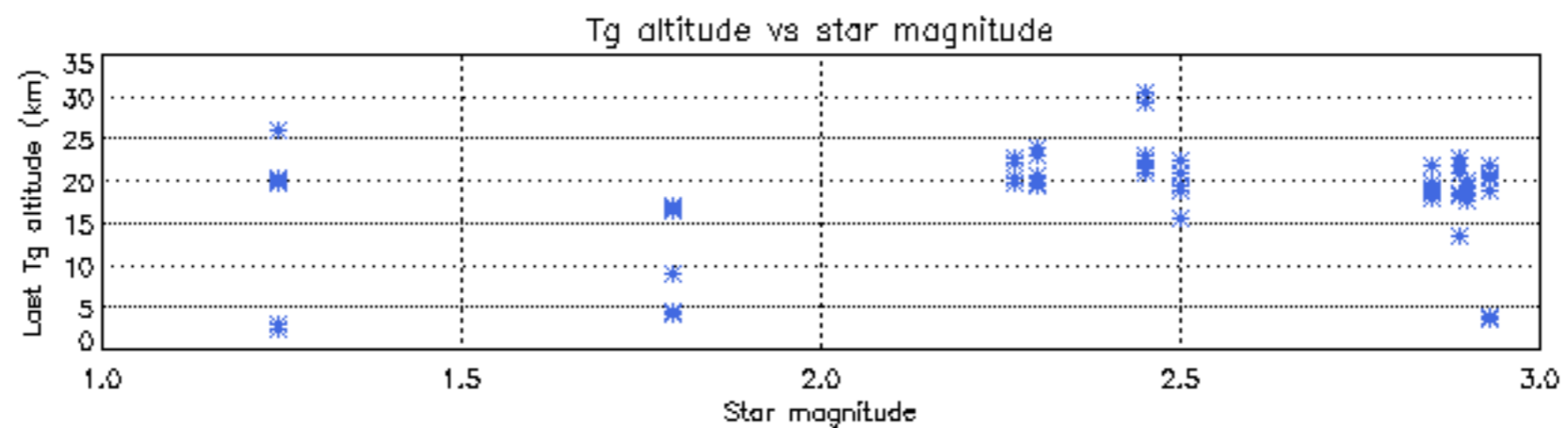
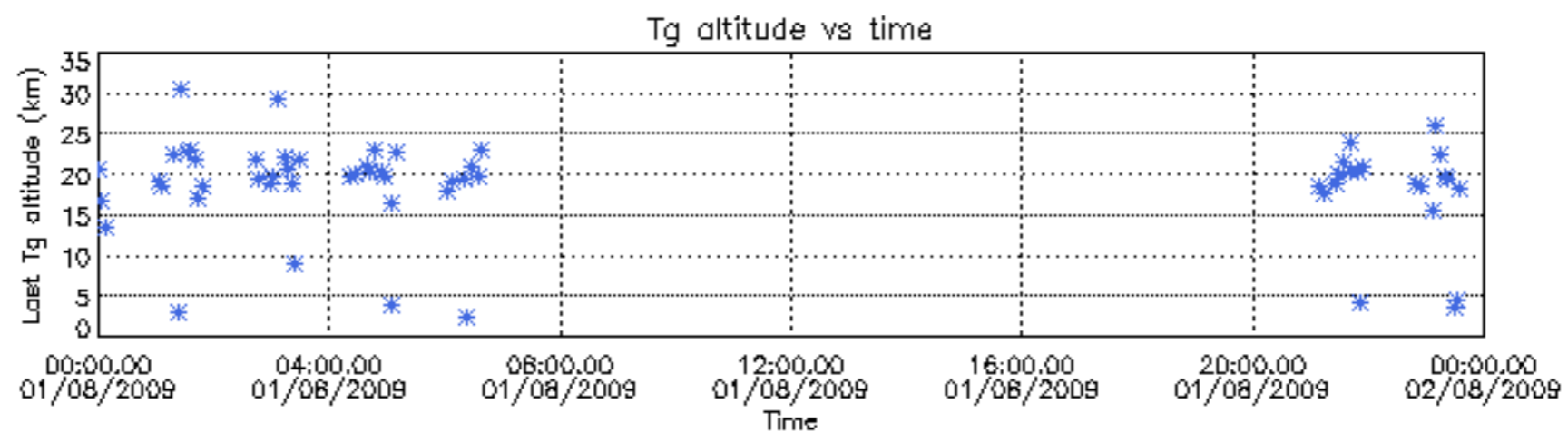
Percentage of saturation errors per profile

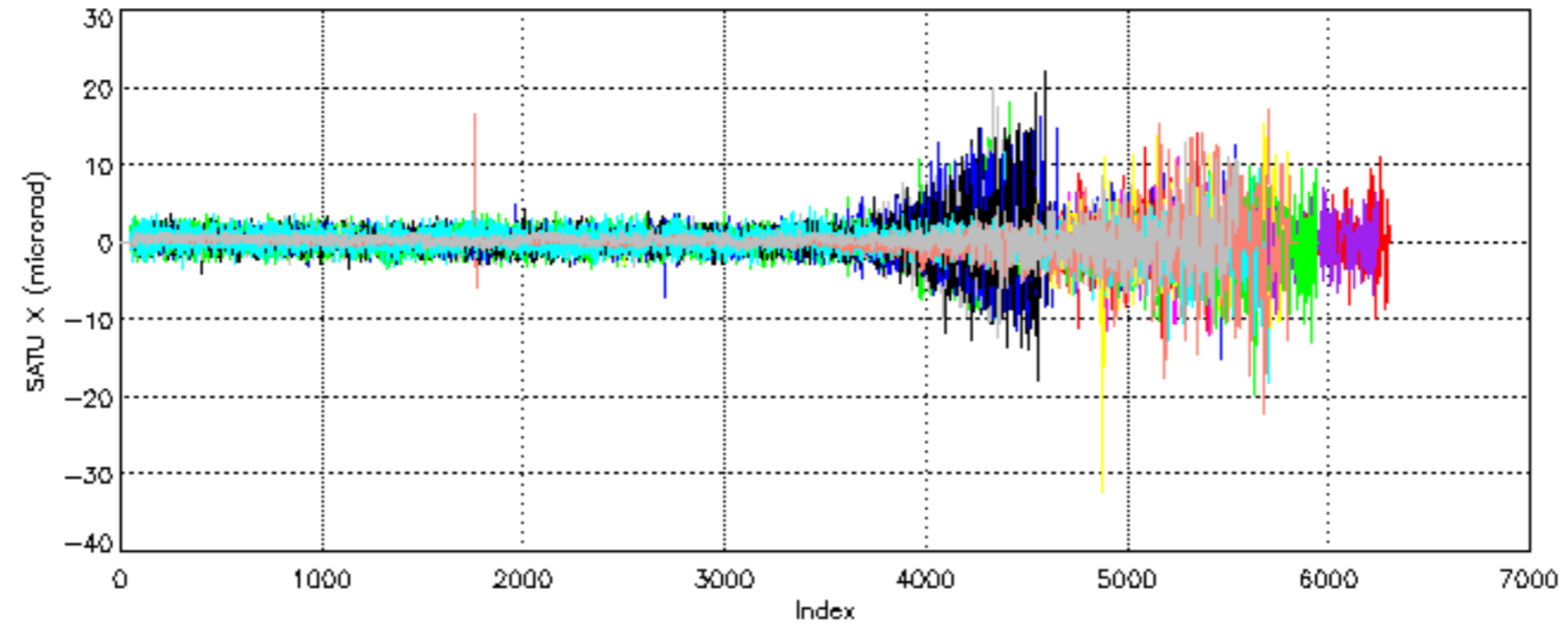


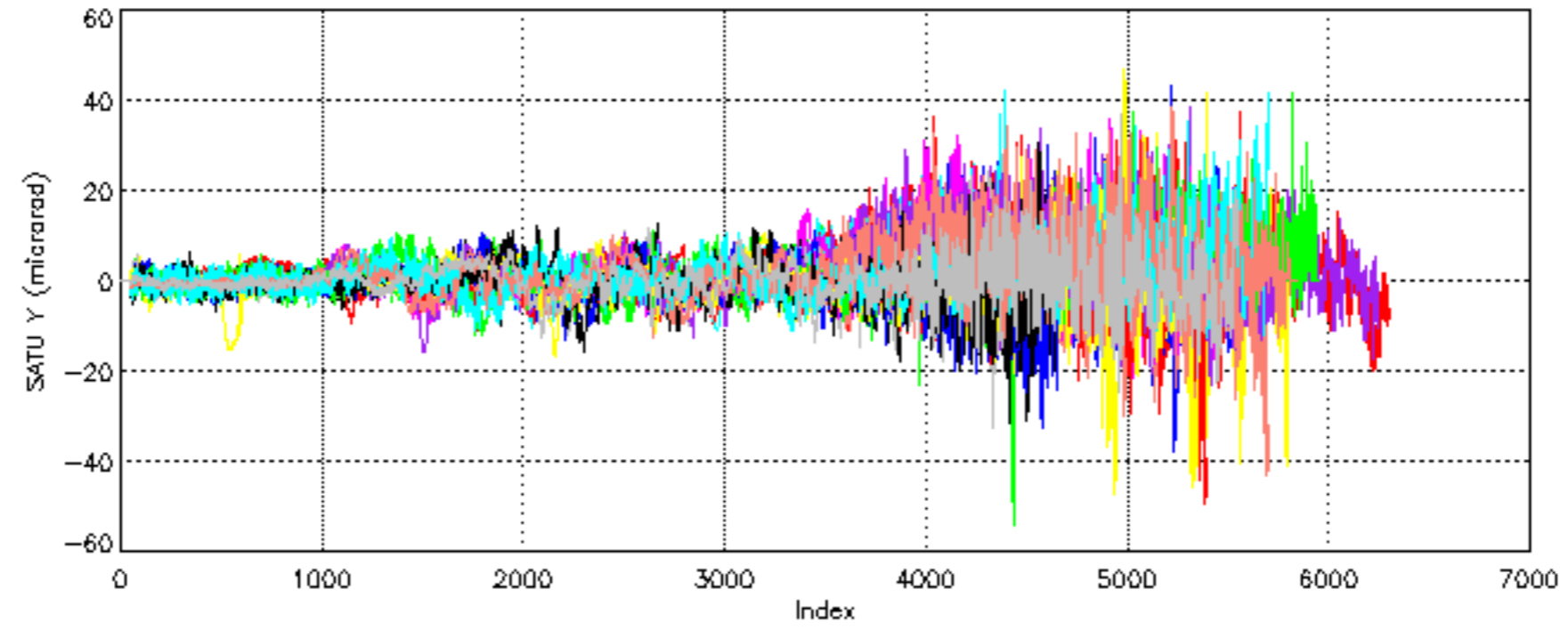
Tangent altitude at which the star is lost

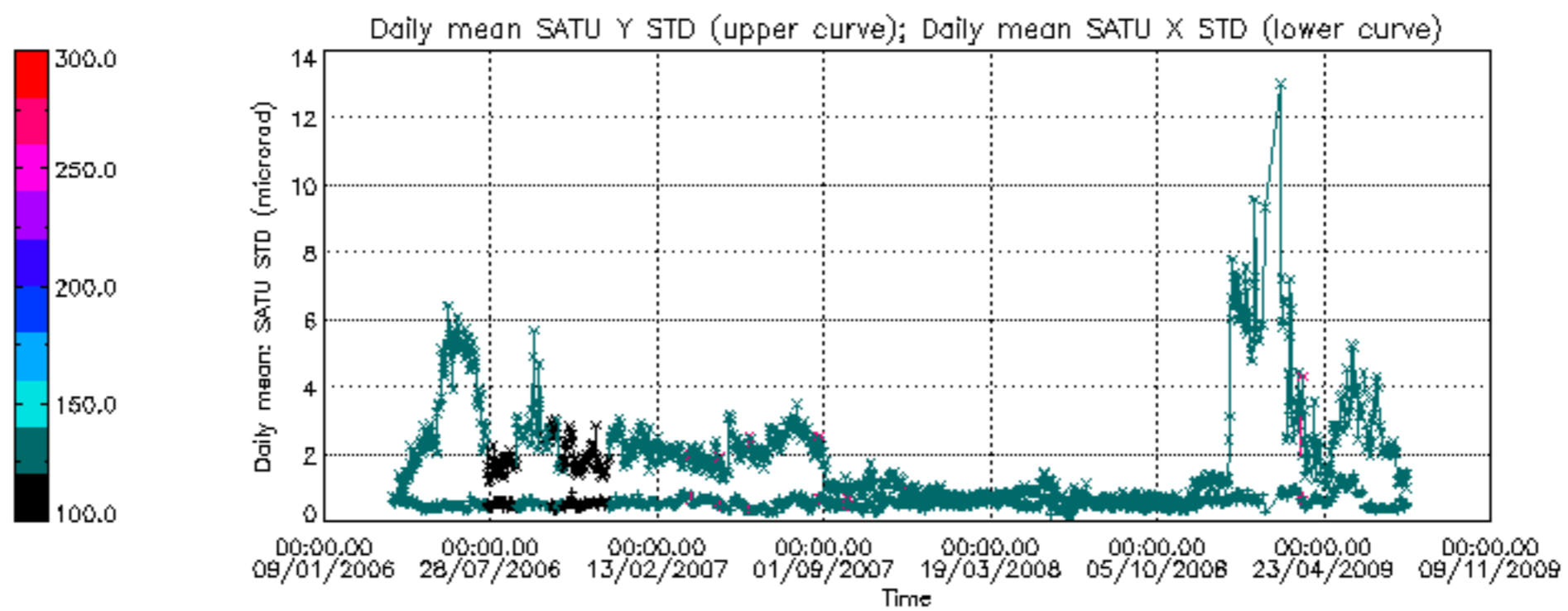


Tangent altitude at which the star is lost









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1; -711.5; 01-AUG-2009 00:22:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 71;38790  
2; -588.9; 01-AUG-2009 00:24:53; Dark ; 55.5; 165; 34Gam Eri ; 2.95; 3200;occ; 111; 0;38790  
3; -23.8; 01-AUG-2009 00:34:18; Dark ; 44.5; 157; The1Eri ; 2.91; 9300;occ; 89; 0;38790  
4; 593.0; 01-AUG-2009 00:44:35; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;38791  
5; 919.4; 01-AUG-2009 00:50:01; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;38791  
6; 1107.9; 01-AUG-2009 00:53:10; Dark ; 44.5; 172; Gam Gru ; 3.00; 13100;occ; 89; 0;38791  
7; 1570.1; 01-AUG-2009 01:00:52; Bright; 53.0; 142; 49Del Cap ; 2.85; 8900;occ; 106; 0;38791  
8; 1823.7; 01-AUG-2009 01:05:06; Bright; 54.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 108; 0;38791  
9; 2579.6; 01-AUG-2009 01:17:41; Bright; 42.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 85; 0;38791  
10; 2766.4; 01-AUG-2009 01:20:48; Bright; 61.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 122; 0;38791  
11; 3090.9; 01-AUG-2009 01:26:13; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;38791  
12; 3478.8; 01-AUG-2009 01:32:41; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38791  
13; 3596.5; 01-AUG-2009 01:34:38; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38791  
14; 3979.2; 01-AUG-2009 01:41:01; Bright; 46.5; 160; 23Gam Per ; 2.93; 4700;occ; 93; 0;38791  
15; 4078.5; 01-AUG-2009 01:42:40; Bright; 50.0; 35; 33Alp Per ; 1.79; 6250;occ; 100; 0;38791  
16; 4315.6; 01-AUG-2009 01:46:37; Bright; 47.5; 149; 45Eps Per ; 2.89; 30000;occ; 95; 0;38791  
17; 4501.5; 01-AUG-2009 01:49:43; Dark ; 54.5; 150; 44Zet Per ; 2.89; 28000;occ; 109; 0;38791  
18; 4789.6; 01-AUG-2009 01:54:32; Dark ; 62.5; 13; 87Alp Tau ; 0.87; 3800;occ; 125; 0;38791

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1; -746.0; 01-AUG-2009 02:02:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38791  
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3; -22.9; 01-AUG-2009 02:14:55; Dark ; 46.0; 157; The1Eri ; 2.91; 9300;occ; 92; 0;38791  
4; 594.1; 01-AUG-2009 02:25:12; Dark ; 55.0; 84; Alp Phe ; 2.40; 4500;occ; 110; 0;38792  
5; 919.9; 01-AUG-2009 02:30:38; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;38792  
6; 1108.3; 01-AUG-2009 02:33:46; Dark ; 45.5; 172; Gam Gru ; 3.00; 13100;occ; 91; 0;38792  
7; 1570.1; 01-AUG-2009 02:41:28; Bright; 51.0; 142; 49Del Cap ; 2.85; 8900;occ; 102; 0;38792  
8; 1823.6; 01-AUG-2009 02:45:41; Bright; 53.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 106; 0;38792  
9; 2579.1; 01-AUG-2009 02:58:17; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;38792  
10; 2765.9; 01-AUG-2009 03:01:24; Bright; 42.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 85; 0;38792  
11; 3090.6; 01-AUG-2009 03:06:48; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;38792  
12; 3478.4; 01-AUG-2009 03:13:16; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38792  
13; 3595.8; 01-AUG-2009 03:15:14; Bright; 5.0; 76; 27Gam Cas ; 2.30; 30000;occ; 10; 0;38792

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3;-1957.7; 01-AUG-2009 03:23:16; Bright; 61.0; 35; 33Alp Per ; 1.79; 6250;occ; 122; 0;38792  
4;-1720.3; 01-AUG-2009 03:27:13; Bright; 45.5; 149; 45Eps Per ; 2.89; 30000;occ; 91; 0;38792  
5;-1534.4; 01-AUG-2009 03:30:19; Dark ; 55.0; 150; 44Zet Per ; 2.89; 28000;occ; 110; 0;38792  
6;-1245.8; 01-AUG-2009 03:35:08; Dark ; 44.0; 13; 87Alp Tau ; 0.87; 3800;occ; 88; 0;38792  
7;-1085.9; 01-AUG-2009 03:37:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38792  
8; -587.1; 01-AUG-2009 03:46:07; Dark ; 57.0; 165; 34Gam Eri ; 2.95; 3200;occ; 114; 0;38792  
9; -21.8; 01-AUG-2009 03:55:32; Dark ; 44.5; 157; The1Eri ; 2.91; 9300;occ; 89; 0;38792  
10; 595.3; 01-AUG-2009 04:05:49; Dark ; 59.0; 84; Alp Phe ; 2.40; 4500;occ; 118; 0;38793  
11; 920.5; 01-AUG-2009 04:11:14; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;38793  
12; 1109.0; 01-AUG-2009 04:14:23; Dark ; 45.5; 172; Gam Gru ; 3.00; 13100;occ; 91; 0;38793  
13; 1570.6; 01-AUG-2009 04:22:04; Bright; 52.0; 142; 49Del Cap ; 2.85; 8900;occ; 104; 0;38793  
14; 1823.3; 01-AUG-2009 04:26:17; Bright; 52.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 105; 0;38793  
15; 2578.6; 01-AUG-2009 04:38:52; Bright; 43.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 87; 0;38793  
16; 2765.5; 01-AUG-2009 04:41:59; Bright; 42.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 84; 0;38793  
17; 3090.1; 01-AUG-2009 04:47:24; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38793  
18; 3477.5; 01-AUG-2009 04:53:51; Bright; 51.0; 74; 11Bet Cas ; 2.27; 6600;occ; 102; 0;38793  
19; 3595.3; 01-AUG-2009 04:55:49; Bright; 50.0; 76; 27Gam Cas ; 2.30; 30000;occ; 100; 0;38793

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2;-1957.9; 01-AUG-2009 05:03:52; Bright; 51.0; 35; 33Alp Per ; 1.79; 6250;occ; 102; 0;38793  
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5;-1245.3; 01-AUG-2009 05:15:45; Dark ; 54.5; 13; 87Alp Tau ; 0.87; 3800;occ; 109; 0;38793  
6;-1085.4; 01-AUG-2009 05:18:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38793  
7; -586.0; 01-AUG-2009 05:26:44; Dark ; 54.0; 165; 34Gam Eri ; 2.95; 3200;occ; 108; 0;38793  
8; -20.9; 01-AUG-2009 05:36:09; Dark ; 46.5; 157; The1Eri ; 2.91; 9300;occ; 93; 0;38793  
9; 596.4; 01-AUG-2009 05:46:26; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;38794  
10; 921.2; 01-AUG-2009 05:51:51; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;38794  
11; 1109.5; 01-AUG-2009 05:54:59; Dark ; 45.0; 172; Gam Gru ; 3.00; 13100;occ; 90; 0;38794  
12; 1570.5; 01-AUG-2009 06:02:40; Bright; 53.5; 142; 49Del Cap ; 2.85; 8900;occ; 107; 0;38794  
13; 1823.1; 01-AUG-2009 06:06:53; Bright; 53.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 106; 0;38794  
14; 2578.0; 01-AUG-2009 06:19:28; Bright; 44.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 89; 0;38794

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15; 2765.1; 01-AUG-2009 06:22:35; Bright; 61.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 122; 0;38794
16; 3089.9; 01-AUG-2009 06:28:00; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;38794
17; 3476.7; 01-AUG-2009 06:34:27; Bright; 51.5; 74; 11Bet Cas ; 2.27; 6600;occ; 103; 0;38794
18; 3594.7; 01-AUG-2009 06:36:24; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38794
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 3; 1821.1; 01-AUG-2009 21:12:14; Bright; 53.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 107; 0;38803
 4; 2573.2; 01-AUG-2009 21:24:46; Bright; 44.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 89; 0;38803
 5; 2760.7; 01-AUG-2009 21:27:54; Bright; 42.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 84; 0;38803
 6; 3086.0; 01-AUG-2009 21:33:19; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;38803
 7; 3469.2; 01-AUG-2009 21:39:43; Bright; 51.0; 74; 11Bet Cas ; 2.27; 6600;occ; 102; 0;38803
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 9; 3974.8; 01-AUG-2009 21:48:08; Bright; 48.0; 160; 23Gam Per ; 2.93; 4700;occ; 96; 0;38803
10; 4075.3; 01-AUG-2009 21:49:49; Bright; 69.0; 35; 33Alp Per ; 1.79; 6250;occ; 138; 0;38803
11; 4315.0; 01-AUG-2009 21:53:48; Bright; 46.5; 149; 45Eps Per ; 2.89; 30000;occ; 93; 0;38803
12; 4503.1; 01-AUG-2009 21:56:56; Dark ; 55.5; 150; 44Zet Per ; 2.89; 28000;occ; 111; 0;38803
13; 4698.7; 01-AUG-2009 22:00:12; Dark ; 59.5; 146; 25Eta Tau ; 2.87; 15200;occ; 119; 0;38803
14; 4794.5; 01-AUG-2009 22:01:48; Dark ; 57.5; 13; 87Alp Tau ; 0.87; 3800;occ; 115; 0;38803
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 3; -11.1; 01-AUG-2009 22:22:18; Dark ; 46.5; 157; The1Eri ; 2.91; 9300;occ; 93; 0;38803
 4; 606.9; 01-AUG-2009 22:32:36; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;38804
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 7; 1571.5; 01-AUG-2009 22:48:41; Bright; 52.0; 142; 49Del Cap ; 2.85; 8900;occ; 104; 0;38804
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 9; 2572.8; 01-AUG-2009 23:05:22; Bright; 47.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 95; 0;38804
10; 2760.2; 01-AUG-2009 23:08:29; Bright; 38.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 77; 0;38804
11; 3085.5; 01-AUG-2009 23:13:55; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38804
12; 3468.5; 01-AUG-2009 23:20:18; Bright; 51.5; 74; 11Bet Cas ; 2.27; 6600;occ; 103; 0;38804
13; 3587.5; 01-AUG-2009 23:22:17; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;38804
14; 3974.4; 01-AUG-2009 23:28:43; Bright; 70.0; 160; 23Gam Per ; 2.93; 4700;occ; 140; 0;38804
15; 4075.0; 01-AUG-2009 23:30:24; Bright; 69.0; 35; 33Alp Per ; 1.79; 6250;occ; 138; 0;38804
16; 4314.9; 01-AUG-2009 23:34:24; Bright; 48.5; 149; 45Eps Per ; 2.89; 30000;occ; 97; 0;38804
17; 4503.3; 01-AUG-2009 23:37:32; Dark ; 55.5; 150; 44Zet Per ; 2.89; 28000;occ; 111; 0;38804
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 3; -10.3; 02-AUG-2009 00:02:55; Dark ; 46.0; 157; The1Eri ; 2.91; 9300;occ; 92; 0;38804
 4; 607.9; 02-AUG-2009 00:13:13; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;38805
 5; 930.2; 02-AUG-2009 00:18:35; Dark ; 39.5; 31; Alp Gru ; 1.73; 15200;occ; 79; 0;38805
 6; 1114.7; 02-AUG-2009 00:21:40; Dark ; 45.5; 172; Gam Gru ; 3.00; 13100;occ; 91; 0;38805
 7; 1571.4; 02-AUG-2009 00:29:16; Bright; 74.0; 142; 49Del Cap ; 2.85; 8900;occ; 148; 0;38805
 8; 1820.9; 02-AUG-2009 00:33:26; Bright; 50.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 100; 0;38805
 9; 2572.1; 02-AUG-2009 00:45:57; Bright; 42.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 84; 0;38805
10; 2759.8; 02-AUG-2009 00:49:05; Bright; 60.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 120; 0;38805
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23; 6942.3; 07-AUG-2009 21:08:30; Dark ; 57.0; 63; Bet Gru ; 2.15; 2800;occ; 114; 0;38888
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3; 695.4; 08-AUG-2009 00:26:10; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;38891
4; 907.1; 08-AUG-2009 00:29:42; Dark ; 57.5; 63; Bet Gru ; 2.15; 2800;occ; 115; 0;38891
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6; 1579.6; 08-AUG-2009 00:40:54; Bright; 47.5; 142; 49Del Cap ; 2.85; 8900;occ; 95; 0;38891
7; 1807.7; 08-AUG-2009 00:44:43; Bright; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;38891
8; 2163.3; 08-AUG-2009 00:50:38; Bright; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;38891
9; 2535.1; 08-AUG-2009 00:56:50; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38891
10; 2618.9; 08-AUG-2009 00:58:14; Bright; 39.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 79; 0;38891
11; 2725.8; 08-AUG-2009 01:00:01; Bright; 38.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 76; 0;38891
12; 3052.0; 08-AUG-2009 01:05:27; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;38891
13; 3398.0; 08-AUG-2009 01:11:13; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;38891
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16; 4046.4; 08-AUG-2009 01:22:01; Bright; 50.5; 35; 33Alp Per ; 1.79; 6250;occ; 101; 0;38891
17; 4200.1; 08-AUG-2009 01:24:35; Bright; 45.5; 6; 13Alp Aur ; 0.08; 3400;occ; 91; 0;38891
18; 4309.0; 08-AUG-2009 01:26:24; Bright; 52.5; 149; 45Eps Per ; 2.89; 30000;occ; 105; 0;38891
19; 4531.5; 08-AUG-2009 01:30:06; Dark ; 47.0; 28; 12Bet Tau ; 1.65; 15200;occ; 94; 0;38891
20; 4662.5; 08-AUG-2009 01:32:17; Dark ; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;38891
21; 4834.0; 08-AUG-2009 01:35:09; Dark ; 60.0; 13; 87Alp Tau ; 0.87; 3800;occ; 120; 0;38891
22; 4948.5; 08-AUG-2009 01:37:03; Dark ; 46.0; 27; 24Gam Ori ; 1.64; 26000;occ; 92; 0;38891
23; 5224.2; 08-AUG-2009 01:41:39; Dark ; 31.5; 7; 19Bet Ori ; 0.10; 14000;occ; 63; 0;38891

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 3; 79.4; 08-AUG-2009 01:56:30; Dark ; 48.5; 157; The1Eri ; 2.91; 9300;occ; 97; 0;38892  
 4; 696.4; 08-AUG-2009 02:06:47; Dark ; 59.0; 84; Alp Phe ; 2.40; 4500;occ; 118; 0;38892  
 5; 907.8; 08-AUG-2009 02:10:19; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;38892  
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 7; 1579.9; 08-AUG-2009 02:21:31; Bright; 47.0; 142; 49Del Cap ; 2.85; 8900;occ; 94; 0;38892  
 8; 1807.5; 08-AUG-2009 02:25:18; Bright; 45.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 91; 0;38892  
 9; 2162.7; 08-AUG-2009 02:31:13; Bright; 52.5; 61; 8Eps Peg ; 2.10; 3900;occ; 105; 0;38892  
 10; 2534.7; 08-AUG-2009 02:37:25; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38892  
 11; 2618.5; 08-AUG-2009 02:38:49; Bright; 37.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 75; 0;38892  
 12; 2725.5; 08-AUG-2009 02:40:36; Bright; 37.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 74; 0;38892  
 13; 3051.6; 08-AUG-2009 02:46:02; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;38892  
 14; 3397.0; 08-AUG-2009 02:51:48; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38892  
 15; 3524.7; 08-AUG-2009 02:53:55; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38892

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 2;-1989.8; 08-AUG-2009 03:02:37; Bright; 54.5; 35; 33Alp Per ; 1.79; 6250;occ; 109; 0;38892  
 3;-1835.8; 08-AUG-2009 03:05:11; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;38892  
 4;-1726.8; 08-AUG-2009 03:07:00; Bright; 54.0; 149; 45Eps Per ; 2.89; 30000;occ; 108; 0;38892  
 5;-1504.0; 08-AUG-2009 03:10:43; Dark ; 44.5; 28; 12Bet Tau ; 1.65; 15200;occ; 89; 0;38892  
 6;-1372.9; 08-AUG-2009 03:12:54; Dark ; 41.5; 176; 23Zet Tau ; 3.02; 22000;occ; 83; 0;38892  
 7;-1201.2; 08-AUG-2009 03:15:45; Dark ; 61.5; 13; 87Alp Tau ; 0.87; 3800;occ; 123; 0;38892  
 8;-1086.9; 08-AUG-2009 03:17:40; Dark ; 41.5; 27; 24Gam Ori ; 1.64; 26000;occ; 83; 0;38892  
 9; -811.1; 08-AUG-2009 03:22:16; Dark ; 53.5; 7; 19Bet Ori ; 0.10; 14000;occ; 107; 0;38892  
 10; -225.0; 08-AUG-2009 03:32:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38892  
 11; 80.7; 08-AUG-2009 03:37:07; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38893  
 12; 697.5; 08-AUG-2009 03:47:24; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;38893  
 13; 908.4; 08-AUG-2009 03:50:55; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;38893  
 14; 1197.0; 08-AUG-2009 03:55:44; Dark ; 58.5; 18; 24Alp PsA ; 1.17; 9700;occ; 117; 0;38893  
 15; 1580.1; 08-AUG-2009 04:02:07; Bright; 45.0; 142; 49Del Cap ; 2.85; 8900;occ; 90; 0;38893  
 16; 1807.6; 08-AUG-2009 04:05:54; Bright; 46.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 92; 0;38893  
 17; 2162.2; 08-AUG-2009 04:11:49; Bright; 53.5; 61; 8Eps Peg ; 2.10; 3900;occ; 107; 0;38893  
 18; 2534.5; 08-AUG-2009 04:18:01; Bright; 41.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 82; 0;38893  
 19; 2618.5; 08-AUG-2009 04:19:25; Bright; 38.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 77; 0;38893  
 20; 2725.3; 08-AUG-2009 04:21:12; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38893  
 21; 3051.5; 08-AUG-2009 04:26:38; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38893  
 22; 3396.4; 08-AUG-2009 04:32:23; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;38893  
 23; 3524.0; 08-AUG-2009 04:34:31; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;38893

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 3;-1835.8; 08-AUG-2009 04:45:47; Bright; 47.0; 6; 13Alp Aur ; 0.08; 3400;occ; 94; 0;38893  
 4;-1727.0; 08-AUG-2009 04:47:36; Bright; 53.5; 149; 45Eps Per ; 2.89; 30000;occ; 107; 0;38893  
 5;-1503.7; 08-AUG-2009 04:51:19; Dark ; 48.0; 28; 12Bet Tau ; 1.65; 15200;occ; 96; 0;38893  
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 7;-1200.6; 08-AUG-2009 04:56:22; Dark ; 71.0; 13; 87Alp Tau ; 0.87; 3800;occ; 142; 0;38893  
 8;-1086.6; 08-AUG-2009 04:58:16; Dark ; 47.0; 27; 24Gam Ori ; 1.64; 26000;occ; 94; 0;38893  
 9; -810.6; 08-AUG-2009 05:02:52; Dark ; 49.5; 7; 19Bet Ori ; 0.10; 14000;occ; 99; 0;38893  
 10; -224.2; 08-AUG-2009 05:12:39; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38893  
 11; 81.7; 08-AUG-2009 05:17:44; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;38894  
 12; 698.3; 08-AUG-2009 05:28:01; Dark ; 61.0; 84; Alp Phe ; 2.40; 4500;occ; 122; 0;38894  
 13; 908.9; 08-AUG-2009 05:31:32; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;38894  
 14; 1197.6; 08-AUG-2009 05:36:20; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;38894  
 15; 1580.1; 08-AUG-2009 05:42:43; Bright; 66.0; 142; 49Del Cap ; 2.85; 8900;occ; 132; 0;38894  
 16; 1807.6; 08-AUG-2009 05:46:30; Bright; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;38894  
 17; 2161.7; 08-AUG-2009 05:52:24; Bright; 69.0; 61; 8Eps Peg ; 2.10; 3900;occ; 138; 0;38894  
 18; 2534.0; 08-AUG-2009 05:58:37; Bright; 42.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 84; 0;38894  
 19; 2618.0; 08-AUG-2009 06:00:01; Bright; 36.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 73; 0;38894  
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 22; 3395.7; 08-AUG-2009 06:12:58; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;38894  
 23; 3523.4; 08-AUG-2009 06:15:06; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;38894

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 3; 1806.4; 08-AUG-2009 20:51:53; Bright; 46.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 92; 0;38903

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5; 2531.1; 08-AUG-2009 21:03:57; Bright; 38.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 77; 0;38903
6; 2721.9; 08-AUG-2009 21:07:08; Bright; 40.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 80; 0;38903
7; 3047.8; 08-AUG-2009 21:12:34; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;38903
8; 3388.1; 08-AUG-2009 21:18:14; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38903
9; 3516.7; 08-AUG-2009 21:20:23; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;38903
10; 3932.3; 08-AUG-2009 21:27:18; Bright; 74.0; 160; 23Gam Per ; 2.93; 4700;occ; 148; 0;38903
11; 4041.9; 08-AUG-2009 21:29:08; Bright; 56.5; 35; 33Alp Per ; 1.79; 6250;occ; 113; 0;38903
12; 4199.8; 08-AUG-2009 21:31:46; Bright; 46.0; 6; 13Alp Aur ; 0.08; 3400;occ; 92; 0;38903
13; 4308.0; 08-AUG-2009 21:33:34; Bright; 57.5; 149; 45Eps Per ; 2.89; 30000;occ; 115; 0;38903
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15; 4665.7; 08-AUG-2009 21:39:32; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38903
16; 4840.3; 08-AUG-2009 21:42:26; Dark ; 72.0; 13; 87Alp Tau ; 0.87; 3800;occ; 144; 0;38903
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4; 92.6; 08-AUG-2009 22:03:55; Dark ; 47.5; 157; The1Eri ; 2.91; 9300;occ; 95; 0;38904
5; 707.9; 08-AUG-2009 22:14:10; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;38904
6; 914.1; 08-AUG-2009 22:17:36; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;38904
7; 1202.9; 08-AUG-2009 22:22:25; Dark ; 57.0; 18; 24Alp PsA ; 1.17; 9700;occ; 114; 0;38904
8; 1580.9; 08-AUG-2009 22:28:43; Bright; 47.0; 142; 49Del Cap ; 2.85; 8900;occ; 94; 0;38904
9; 1806.3; 08-AUG-2009 22:32:28; Bright; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;38904
10; 2156.4; 08-AUG-2009 22:38:18; Bright; 52.0; 61; 8Eps Peg ; 2.10; 3900;occ; 104; 0;38904
11; 2530.5; 08-AUG-2009 22:44:33; Bright; 40.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 80; 0;38904
12; 2721.6; 08-AUG-2009 22:47:44; Bright; 57.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 114; 0;38904
13; 3047.5; 08-AUG-2009 22:53:10; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38904
14; 3387.4; 08-AUG-2009 22:58:49; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38904
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19; 4308.0; 08-AUG-2009 23:14:10; Bright; 52.0; 149; 45Eps Per ; 2.89; 30000;occ; 104; 0;38904
20; 4534.0; 08-AUG-2009 23:17:56; Dark ; 48.5; 28; 12Bet Tau ; 1.65; 15200;occ; 97; 0;38904
21; 4665.8; 08-AUG-2009 23:20:08; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38904
22; 4840.9; 08-AUG-2009 23:23:03; Dark ; 62.5; 13; 87Alp Tau ; 0.87; 3800;occ; 125; 0;38904
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4; 94.0; 08-AUG-2009 23:44:32; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38905
5; 708.8; 08-AUG-2009 23:54:47; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;38905
6; 914.8; 08-AUG-2009 23:58:13; Dark ; 56.5; 63; Bet Gru ; 2.15; 2800;occ; 113; 0;38905
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9; 1806.2; 09-AUG-2009 00:13:04; Bright; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;38905
10; 2155.9; 09-AUG-2009 00:18:54; Bright; 51.5; 61; 8Eps Peg ; 2.10; 3900;occ; 103; 0;38905
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12; 2721.5; 09-AUG-2009 00:28:19; Bright; 38.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 76; 0;38905
13; 3047.1; 09-AUG-2009 00:33:45; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38905
14; 3386.5; 09-AUG-2009 00:39:24; Bright; 50.5; 74; 11Bet Cas ; 2.27; 6600;occ; 101; 0;38905
15; 3515.2; 09-AUG-2009 00:41:33; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;38905
16; 3931.3; 09-AUG-2009 00:48:29; Bright; 50.0; 160; 23Gam Per ; 2.93; 4700;occ; 100; 0;38905
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19; 4307.9; 09-AUG-2009 00:54:46; Bright; 51.5; 149; 45Eps Per ; 2.89; 30000;occ; 103; 0;38905
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21; 4666.4; 09-AUG-2009 01:00:44; Dark ; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;38905
22; 4841.4; 09-AUG-2009 01:03:39; Dark ; 73.0; 13; 87Alp Tau ; 0.87; 3800;occ; 146; 0;38905
23; 4954.6; 09-AUG-2009 01:05:33; Dark ; 48.5; 27; 24Gam Ori ; 1.64; 26000;occ; 97; 0;38905
24; 5232.6; 09-AUG-2009 01:10:10; Dark ; 59.0; 7; 19Bet Ori ; 0.10; 14000;occ; 118; 0;38905
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24; 5067.7; 09-AUG-2009 22:55:13; Dark ; 46.5; 72; 34Del Ori ; 2.25; 30000;occ; 93; 0;38918
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5; 922.0; 09-AUG-2009 23:26:43; Dark ; 56.5; 63; Bet Gru ; 2.15; 2800;occ; 113; 0;38919  
6; 1210.8; 09-AUG-2009 23:31:32; Dark ; 58.0; 18; 24Alp PsA ; 1.17; 9700;occ; 116; 0;38919  
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8; 1805.0; 09-AUG-2009 23:41:26; Bright; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;38919  
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10; 2525.6; 09-AUG-2009 23:53:26; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38919  
11; 2717.0; 09-AUG-2009 23:56:38; Bright; 36.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 72; 0;38919  
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13; 3375.3; 10-AUG-2009 00:07:36; Bright; 51.0; 74; 11Bet Cas ; 2.27; 6600;occ; 102; 0;38919  
14; 3504.9; 10-AUG-2009 00:09:46; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38919  
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22; 4961.1; 10-AUG-2009 00:34:02; Dark ; 46.5; 27; 24Gam Ori ; 1.64; 26000;occ; 93; 0;38919  
23; 5068.4; 10-AUG-2009 00:35:49; Dark ; 44.5; 72; 34Del Ori ; 2.25; 30000;occ; 89; 0;38919  
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4; 2528.7; 09-AUG-2009 08:48:06; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38910  
5; 2719.9; 09-AUG-2009 08:51:18; Bright; 40.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 80; 0;38910  
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11; 4199.7; 09-AUG-2009 09:15:57; Bright; 45.5; 6; 13Alp Aur ; 0.08; 3400;occ; 91; 0;38910  
12; 4307.6; 09-AUG-2009 09:17:45; Bright; 54.0; 149; 45Eps Per ; 2.89; 30000;occ; 108; 0;38910  
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14; 4667.5; 09-AUG-2009 09:23:45; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;38910  
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23; 7242.5; 09-AUG-2009 10:06:40; Dark ; 58.0; 18; 24Alp PsA ; 1.17; 9700;occ; 116; 0;38910  
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7; 3510.6; 09-AUG-2009 10:45:04; Bright; 51.0; 76; 27Gam Cas ; 2.30; 30000;occ; 102; 0;38911
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13; 4667.8; 09-AUG-2009 11:04:21; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38911
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 19; 4873.6; 12-AUG-2009 22:57:44; Dark ; 72.5; 13; 87Alp Tau ; 0.87; 3800;occ; 145; 0;38961  
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 21; 5097.9; 12-AUG-2009 23:01:28; Dark ; 50.0; 30; 46Eps Ori ; 1.69; 30000;occ; 100; 0;38961  
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 23; 5269.0; 12-AUG-2009 23:04:19; Dark ; 48.5; 7; 19Bet Ori ; 0.10; 14000;occ; 97; 0;38961

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3; 157.6; 12-AUG-2009 23:19:43; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38962  
4; 761.6; 12-AUG-2009 23:29:47; Dark ; 62.0; 84; Alp Phe ; 2.40; 4500;occ; 124; 0;38962  
5; 1231.7; 12-AUG-2009 23:37:37; Dark ; 55.0; 18; 24Alp PsA ; 1.17; 9700;occ; 110; 0;38962  
6; 1587.2; 12-AUG-2009 23:43:33; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38962  
7; 1801.9; 12-AUG-2009 23:47:08; Bright; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;38962  
8; 1935.1; 12-AUG-2009 23:49:21; Bright; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;38962  
9; 2129.9; 12-AUG-2009 23:52:36; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38962  
10; 2513.1; 12-AUG-2009 23:58:59; Bright; 36.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 73; 0;38962  
11; 3029.0; 13-AUG-2009 00:07:35; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38962  
12; 3340.9; 13-AUG-2009 00:12:47; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;38962  
13; 3472.8; 13-AUG-2009 00:14:59; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38962  
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16; 4196.7; 13-AUG-2009 00:27:02; Bright; 49.0; 6; 13Alp Aur ; 0.08; 3400;occ; 98; 0;38962  
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19; 4874.3; 13-AUG-2009 00:38:20; Dark ; 79.0; 13; 87Alp Tau ; 0.87; 3800;occ; 158; 0;38962  
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21; 5098.4; 13-AUG-2009 00:42:04; Dark ; 45.5; 30; 46Eps Ori ; 1.69; 30000;occ; 91; 0;38962  
22; 5182.1; 13-AUG-2009 00:43:28; Dark ; 45.5; 125; 44Iot Ori ; 2.77; 30000;occ; 91; 0;38962  
23; 5269.7; 13-AUG-2009 00:44:55; Dark ; 52.5; 7; 19Bet Ori ; 0.10; 14000;occ; 105; 0;38962

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3;-1939.4; 12-AUG-2009 07:39:23; Bright; 76.0; 175; 39Del Per ; 3.01; 19400;occ; 152; 0;38952  
4;-1493.2; 12-AUG-2009 07:46:49; Dark ; 46.5; 28; 12Bet Tau ; 1.65; 15200;occ; 93; 0;38952  
5;-1357.0; 12-AUG-2009 07:49:05; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38952  
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8; -942.7; 12-AUG-2009 07:56:00; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;38952  
9; -859.2; 12-AUG-2009 07:57:23; Dark ; 44.0; 125; 44Iot Ori ; 2.77; 30000;occ; 88; 0;38952  
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13; 147.3; 12-AUG-2009 08:14:10; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38953  
14; 753.5; 12-AUG-2009 08:24:16; Dark ; 54.5; 84; Alp Phe ; 2.40; 4500;occ; 109; 0;38953  
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3; 2133.6; 12-AUG-2009 08:47:16; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38953  
4; 2515.6; 12-AUG-2009 08:53:38; Bright; 42.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 85; 0;38953  
5; 2707.6; 12-AUG-2009 08:56:50; Bright; 56.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 112; 0;38953  
6; 3031.6; 12-AUG-2009 09:02:14; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38953  
7; 3348.1; 12-AUG-2009 09:07:31; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38953  
8; 3479.6; 12-AUG-2009 09:09:42; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;38953  
9; 3907.0; 12-AUG-2009 09:16:49; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;38953  
10; 4021.3; 12-AUG-2009 09:18:44; Bright; 29.0; 35; 33Alp Per ; 1.79; 6250;occ; 58; 0;38953  
11; 4096.2; 12-AUG-2009 09:19:59; Bright; 49.0; 175; 39Del Per ; 3.01; 19400;occ; 98; 0;38953  
12; 4542.9; 12-AUG-2009 09:27:25; Dark ; 50.0; 28; 12Bet Tau ; 1.65; 15200;occ; 100; 0;38953  
13; 4679.3; 12-AUG-2009 09:29:42; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38953  
14; 4868.7; 12-AUG-2009 09:32:51; Dark ; 70.5; 13; 87Alp Tau ; 0.87; 3800;occ; 141; 0;38953  
15; 4977.8; 12-AUG-2009 09:34:40; Dark ; 48.5; 27; 24Gam Ori ; 1.64; 26000;occ; 97; 0;38953  
16; 5093.7; 12-AUG-2009 09:36:36; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;38953  
17; 5177.0; 12-AUG-2009 09:38:00; Dark ; 42.0; 125; 44Iot Ori ; 2.77; 30000;occ; 84; 0;38953  
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21; 6184.3; 12-AUG-2009 09:54:47; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38953  
22; 6790.2; 12-AUG-2009 10:04:53; Dark ; 55.0; 84; Alp Phe ; 2.40; 4500;occ; 110; 0;38953  
23; 7264.1; 12-AUG-2009 10:12:47; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;38953  
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3; 2133.2; 12-AUG-2009 10:27:52; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38954

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4; 2515.2; 12-AUG-2009 10:34:14; Bright; 37.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 74; 0;38954
5; 2707.3; 12-AUG-2009 10:37:26; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38954
6; 3031.3; 12-AUG-2009 10:42:50; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;38954
7; 3347.3; 12-AUG-2009 10:48:06; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;38954
8; 3478.8; 12-AUG-2009 10:50:17; Bright; 50.0; 76; 27Gam Cas ; 2.30; 30000;occ; 100; 0;38954
9; 3906.5; 12-AUG-2009 10:57:25; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;38954
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12; 4543.0; 12-AUG-2009 11:08:01; Dark ; 48.0; 28; 12Bet Tau ; 1.65; 15200;occ; 96; 0;38954
13; 4679.3; 12-AUG-2009 11:10:18; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;38954
14; 4869.2; 12-AUG-2009 11:13:28; Dark ; 67.0; 13; 87Alp Tau ; 0.87; 3800;occ; 134; 0;38954
15; 4978.2; 12-AUG-2009 11:15:17; Dark ; 44.5; 27; 24Gam Ori ; 1.64; 26000;occ; 89; 0;38954
16; 5094.2; 12-AUG-2009 11:17:13; Dark ; 42.5; 30; 46Eps Ori ; 1.69; 30000;occ; 85; 0;38954
17; 5177.6; 12-AUG-2009 11:18:36; Dark ; 44.0; 125; 44Iot Ori ; 2.77; 30000;occ; 88; 0;38954
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19; 5643.2; 12-AUG-2009 11:26:22; Dark ; 42.0; 165; 34Gam Eri ; 2.95; 3200;occ; 84; 0;38954
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23; 7264.6; 12-AUG-2009 11:53:23; Dark ; 57.0; 18; 24Alp PsA ; 1.17; 9700;occ; 114; 0;38954
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3; 1937.4; 12-AUG-2009 12:05:12; Bright; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;38955
4; 2132.9; 12-AUG-2009 12:08:27; Bright; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;38955
5; 2514.9; 12-AUG-2009 12:14:49; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38955
6; 2706.9; 12-AUG-2009 12:18:01; Bright; 56.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 112; 0;38955
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9; 3478.1; 12-AUG-2009 12:30:52; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;38955
10; 3905.8; 12-AUG-2009 12:38:00; Bright; 49.0; 160; 23Gam Per ; 2.93; 4700;occ; 98; 0;38955
11; 4020.3; 12-AUG-2009 12:39:55; Bright; 25.0; 35; 33Alp Per ; 1.79; 6250;occ; 50; 0;38955
12; 4095.3; 12-AUG-2009 12:41:10; Bright; 76.0; 175; 39Del Per ; 3.01; 19400;occ; 152; 0;38955
13; 4543.2; 12-AUG-2009 12:48:37; Dark ; 47.5; 28; 12Bet Tau ; 1.65; 15200;occ; 95; 0;38955
14; 4679.6; 12-AUG-2009 12:50:54; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38955
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4; 2132.5; 12-AUG-2009 13:49:03; Bright; 68.0; 61; 8Eps Peg ; 2.10; 3900;occ; 136; 0;38956
5; 2514.9; 12-AUG-2009 13:55:25; Bright; 57.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 114; 0;38956
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9; 3477.4; 12-AUG-2009 14:11:27; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;38956
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11; 4095.1; 12-AUG-2009 14:21:45; Bright; 75.5; 175; 39Del Per ; 3.01; 19400;occ; 151; 0;38956
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17; 5095.4; 12-AUG-2009 14:38:25; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;38956
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6; 2710.9; 12-AUG-2009 15:39:17; Bright; 51.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 102; 0;38957
7; 3030.4; 12-AUG-2009 15:44:36; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;38957
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9; 3905.0; 12-AUG-2009 15:59:11; Bright; 52.0; 160; 23Gam Per ; 2.93; 4700;occ; 104; 0;38957
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 9; 1801.2; 13-AUG-2009 21:34:54; Bright; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;38975  
 10; 1931.2; 13-AUG-2009 21:37:04; Bright; 49.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 99; 0;38975  
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 15; 3462.9; 13-AUG-2009 22:02:36; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;38975  
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 17; 4088.2; 13-AUG-2009 22:13:01; Bright; 39.0; 175; 39Del Per ; 3.01; 19400;occ; 78; 0;38975  
 18; 4196.0; 13-AUG-2009 22:14:49; Bright; 50.5; 6; 13Alp Aur ; 0.08; 3400;occ; 101; 0;38975  
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 21; 4685.3; 13-AUG-2009 22:22:58; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;38975  
 22; 4882.5; 13-AUG-2009 22:26:15; Dark ; 55.0; 13; 87Alp Tau ; 0.87; 3800;occ; 110; 0;38975  
 23; 4989.0; 13-AUG-2009 22:28:02; Dark ; 50.5; 27; 24Gam Ori ; 1.64; 26000;occ; 101; 0;38975  
 24; 5105.4; 13-AUG-2009 22:29:58; Dark ; 50.0; 30; 46Eps Ori ; 1.69; 30000;occ; 100; 0;38975

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4; 774.0; 13-AUG-2009 22:58:23; Dark ; 60.5; 84; Alp Phe ; 2.40; 4500;occ; 121; 0;38976
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6; 1588.4; 13-AUG-2009 23:11:57; Bright; 43.5; 142; 49Del Cap ; 2.85; 8900;occ; 87; 0;38976
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9; 2124.5; 13-AUG-2009 23:20:53; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38976
10; 2509.5; 13-AUG-2009 23:27:18; Bright; 37.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 75; 0;38976
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12; 3329.9; 13-AUG-2009 23:40:59; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;38976
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16; 4195.8; 13-AUG-2009 23:55:25; Bright; 49.5; 6; 13Alp Aur ; 0.08; 3400;occ; 99; 0;38976
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23; 5190.1; 14-AUG-2009 00:11:59; Dark ; 44.5; 125; 44Iot Ori ; 2.77; 30000;occ; 89; 0;38976
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13; 766.2; 13-AUG-2009 07:52:52; Dark ; 58.5; 84; Alp Phe ; 2.40; 4500;occ; 117; 0;38967
14; 1234.1; 13-AUG-2009 08:00:40; Dark ; 55.5; 18; 24Alp PsA ; 1.17; 9700;occ; 111; 0;38967
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4; 2511.9; 13-AUG-2009 08:21:57; Bright; 37.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 75; 0;38967
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7; 3469.1; 13-AUG-2009 08:37:55; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38967
8; 3899.1; 13-AUG-2009 08:45:05; Bright; 52.5; 160; 23Gam Per ; 2.93; 4700;occ; 105; 0;38967
9; 4091.2; 13-AUG-2009 08:48:17; Bright; 48.0; 175; 39Del Per ; 3.01; 19400;occ; 96; 0;38967
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12; 4683.0; 13-AUG-2009 08:58:08; Dark ; 46.0; 176; 23Zet Tau ; 3.02; 22000;occ; 92; 0;38967
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15; 5101.1; 13-AUG-2009 09:05:07; Dark ; 42.0; 30; 46Eps Ori ; 1.69; 30000;occ; 84; 0;38967
16; 5185.0; 13-AUG-2009 09:06:30; Dark ; 41.0; 125; 44Iot Ori ; 2.77; 30000;occ; 82; 0;38967
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21; 7270.5; 13-AUG-2009 09:41:16; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;38967
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4; 2511.5; 13-AUG-2009 10:02:33; Bright; 57.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 114; 0;38968  
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9; 4090.8; 13-AUG-2009 10:28:52; Bright; 53.0; 175; 39Del Per ; 3.01; 19400;occ; 106; 0;38968  
10; 4196.4; 13-AUG-2009 10:30:38; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;38968  
11; 4364.1; 13-AUG-2009 10:33:25; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;38968  
12; 4545.6; 13-AUG-2009 10:36:27; Dark ; 50.0; 28; 12Bet Tau ; 1.65; 15200;occ; 100; 0;38968  
13; 4683.4; 13-AUG-2009 10:38:45; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;38968  
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22; 7271.0; 13-AUG-2009 11:21:52; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;38968  
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9; 3898.0; 13-AUG-2009 12:06:15; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;38969  
10; 4090.4; 13-AUG-2009 12:09:28; Bright; 53.0; 175; 39Del Per ; 3.01; 19400;occ; 106; 0;38969  
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13; 4545.8; 13-AUG-2009 12:17:03; Dark ; 50.0; 28; 12Bet Tau ; 1.65; 15200;occ; 100; 0;38969  
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19; 5274.7; 13-AUG-2009 12:29:12; Dark ; 53.5; 7; 19Bet Ori ; 0.10; 14000;occ; 107; 0;38969  
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21; 6202.3; 13-AUG-2009 12:44:40; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;38969  
22; 6804.7; 13-AUG-2009 12:54:42; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;38969  
23; 7271.5; 13-AUG-2009 13:02:29; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;38969  
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13; 4683.9; 13-AUG-2009 13:59:57; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38970  
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20; 6203.8; 13-AUG-2009 14:25:17; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38970

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13; 4546.3; 13-AUG-2009 15:38:15; Dark ; 51.5; 28; 12Bet Tau ; 1.65; 15200;occ; 103; 0;38971
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3; 1801.3; 13-AUG-2009 16:33:06; Bright; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;38972
4; 1932.2; 13-AUG-2009 16:35:17; Bright; 48.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 96; 0;38972
5; 2126.1; 13-AUG-2009 16:38:31; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38972
6; 2510.6; 13-AUG-2009 16:44:56; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38972
7; 3026.0; 13-AUG-2009 16:53:31; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38972
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22; 6206.1; 13-AUG-2009 17:46:31; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;38972
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3; 1801.3; 13-AUG-2009 18:13:42; Bright; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;38973
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9; 3464.6; 13-AUG-2009 18:41:26; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;38973
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11; 4088.8; 13-AUG-2009 18:51:50; Bright; 43.0; 175; 39Del Per ; 3.01; 19400;occ; 86; 0;38973
12; 4196.2; 13-AUG-2009 18:53:37; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;38973
13; 4364.6; 13-AUG-2009 18:56:26; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;38973
14; 4546.7; 13-AUG-2009 18:59:28; Dark ; 50.5; 28; 12Bet Tau ; 1.65; 15200;occ; 101; 0;38973
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8; 2124.0; 14-AUG-2009 01:01:29; Bright; 48.0; 61; 8Eps Peg ; 2.10; 3900;occ; 96; 0;38977
9; 2509.2; 14-AUG-2009 01:07:54; Bright; 56.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 112; 0;38977
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11; 3329.0; 14-AUG-2009 01:21:34; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;38977
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4; -150.1; 14-AUG-2009 02:04:10; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38977
5; 175.7; 14-AUG-2009 02:09:36; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38978
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8; 1588.8; 14-AUG-2009 02:33:09; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38978
9; 1801.1; 14-AUG-2009 02:36:42; Bright; 40.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 81; 0;38978
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12; 2509.0; 14-AUG-2009 02:48:29; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38978
13; 3024.0; 14-AUG-2009 02:57:04; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;38978
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6; -1349.9; 14-AUG-2009 03:24:47; Dark ; 46.0; 176; 23Zet Tau ; 3.02; 22000;occ; 92; 0;38978
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8; 2508.7; 14-AUG-2009 06:09:41; Bright; 37.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 74; 0;38980
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12; 814.6; 17-AUG-2009 07:27:48; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;39024
13; 1259.0; 17-AUG-2009 07:35:12; Dark ; 50.5; 18; 24Alp PsA ; 1.17; 9700;occ; 101; 0;39024
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17; 6851.4; 17-AUG-2009 09:08:25; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;39024  
18; 7295.4; 17-AUG-2009 09:15:49; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;39024  
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4; 3291.8; 17-AUG-2009 09:49:41; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;39025  
5; 3425.3; 17-AUG-2009 09:51:54; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;39025  
6; 4191.8; 17-AUG-2009 10:04:41; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;39025  
7; 4368.4; 17-AUG-2009 10:07:38; Bright; 40.0; 107; 37The Aur ; 2.65; 11000;occ; 80; 0;39025  
8; 4556.8; 17-AUG-2009 10:10:46; Dark ; 50.5; 28; 12Bet Tau ; 1.65; 15200;occ; 101; 0;39025  
9; 4700.7; 17-AUG-2009 10:13:10; Dark ; 48.0; 176; 23Zet Tau ; 3.02; 22000;occ; 96; 0;39025  
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13; 5318.4; 17-AUG-2009 10:23:27; Dark ; 57.0; 7; 19Bet Ori ; 0.10; 14000;occ; 114; 0;39025  
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16; 6268.4; 17-AUG-2009 10:39:18; Dark ; 48.0; 157; The1Eri ; 2.91; 9300;occ; 96; 0;39025  
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4; 3290.8; 17-AUG-2009 11:30:16; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;39026  
5; 3424.7; 17-AUG-2009 11:32:30; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;39026  
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9; 4700.9; 17-AUG-2009 11:53:46; Dark ; 46.5; 176; 23Zet Tau ; 3.02; 22000;occ; 93; 0;39026  
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13; 5319.1; 17-AUG-2009 12:04:04; Dark ; 55.0; 7; 19Bet Ori ; 0.10; 14000;occ; 110; 0;39026  
14; 5428.6; 17-AUG-2009 12:05:54; Dark ; 44.0; 101; 11Alp Lep ; 2.58; 7000;occ; 88; 0;39026  
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16; 6269.5; 17-AUG-2009 12:19:54; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;39026  
17; 6853.0; 17-AUG-2009 12:29:38; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;39026  
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4; 2107.8; 17-AUG-2009 12:51:09; Bright; 44.0; 61; 8Eps Peg ; 2.10; 3900;occ; 88; 0;39027  
5; 3290.1; 17-AUG-2009 13:10:51; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39027  
6; 3423.9; 17-AUG-2009 13:13:05; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;39027  
7; 4191.8; 17-AUG-2009 13:25:53; Bright; 63.0; 6; 13Alp Aur ; 0.08; 3400;occ; 126; 0;39027

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19; 6855.5; 17-AUG-2009 17:31:28; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;39029
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11; 2594.0; 21-AUG-2009 22:36:58; Bright; 47.0; 164; 44Eta Peg ; 2.95; 5400;occ; 94; 0;39090
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6; 3383.2; 21-AUG-2009 07:44:44; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39081
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19; 6896.3; 21-AUG-2009 08:43:17; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;39081
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5; 3248.6; 21-AUG-2009 09:23:06; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39082
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7; 4185.3; 21-AUG-2009 09:38:42; Bright; 50.0; 6; 13Alp Aur ; 0.08; 3400;occ; 100; 0;39082
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9; 4568.9; 21-AUG-2009 09:45:06; Dark ; 54.0; 28; 12Bet Tau ; 1.65; 15200;occ; 108; 0;39082
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16; 5266.6; 21-AUG-2009 18:19:43; Dark ; 49.5; 125; 44Iot Ori ; 2.77; 30000;occ; 99; 0;39087
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 5; 3372.0; 22-AUG-2009 08:53:32; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39096  
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8; 4654.9; 24-AUG-2009 09:52:17; Dark ; 49.5; 151; 13Mu Gem ; 2.89; 3000;occ; 99; 0;39125
9; 4754.2; 24-AUG-2009 09:53:56; Dark ; 42.0; 44; 24Gam Gem ; 1.93; 11000;occ; 84; 0;39125
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13; 5326.9; 24-AUG-2009 10:03:29; Dark ; 48.5; 56; 53Kap Ori ; 2.07; 30000;occ; 97; 0;39125
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16; 4375.5; 25-AUG-2009 22:40:47; Bright; 41.5; 107; 37The Aur ; 2.65; 11000;occ; 83; 0;39147
17; 4583.5; 25-AUG-2009 22:44:15; Dark ; 57.5; 28; 12Bet Tau ; 1.65; 15200;occ; 115; 0;39147
18; 4761.4; 25-AUG-2009 22:47:13; Dark ; 45.5; 44; 24Gam Gem ; 1.93; 11000;occ; 91; 0;39147
19; 5005.5; 25-AUG-2009 22:51:17; Dark ; 60.0; 14; 58Alp Ori ; 0.87; 3000;occ; 120; 0;39147
20; 5110.5; 25-AUG-2009 22:53:02; Dark ; 61.0; 27; 24Gam Ori ; 1.64; 26000;occ; 122; 0;39147
21; 5227.8; 25-AUG-2009 22:55:00; Dark ; 59.5; 30; 46Eps Ori ; 1.69; 30000;occ; 119; 0;39147
22; 5345.0; 25-AUG-2009 22:56:57; Dark ; 37.0; 56; 53Kap Ori ; 2.07; 30000;occ; 74; 0;39147

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 4; -330.5; 25-AUG-2009 23:02:57; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39147  
 5; 381.2; 25-AUG-2009 23:14:49; Dark ; 52.5; 157; The1Eri ; 2.91; 9300;occ; 105; 0;39148  
 6; 907.5; 25-AUG-2009 23:23:35; Dark ; 51.0; 84; Alp Phe ; 2.40; 4500;occ; 102; 0;39148  
 7; 1303.9; 25-AUG-2009 23:30:12; Dark ; 48.0; 18; 24Alp PsA ; 1.17; 9700;occ; 96; 0;39148  
 8; 1900.3; 25-AUG-2009 23:40:08; Bright; 41.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 83; 0;39148  
 9; 2083.1; 25-AUG-2009 23:43:11; Bright; 40.5; 61; 8Eps Peg ; 2.10; 3900;occ; 81; 0;39148  
 10; 2551.0; 25-AUG-2009 23:50:59; Bright; 44.5; 164; 44Eta Peg ; 2.95; 5400;occ; 89; 0;39148  
 11; 3201.0; 26-AUG-2009 00:01:49; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;39148  
 12; 3333.5; 26-AUG-2009 00:04:01; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39148  
 13; 4174.7; 26-AUG-2009 00:18:03; Bright; 54.0; 6; 13Alp Aur ; 0.08; 3400;occ; 108; 0;39148  
 14; 4375.5; 26-AUG-2009 00:21:23; Bright; 42.5; 107; 37The Aur ; 2.65; 11000;occ; 85; 0;39148  
 15; 4583.7; 26-AUG-2009 00:24:51; Dark ; 61.5; 28; 12Bet Tau ; 1.65; 15200;occ; 123; 0;39148  
 16; 4761.7; 26-AUG-2009 00:27:49; Dark ; 45.0; 44; 24Gam Gem ; 1.93; 11000;occ; 90; 0;39148  
 17; 5006.1; 26-AUG-2009 00:31:54; Dark ; 65.5; 14; 58Alp Ori ; 0.87; 3000;occ; 131; 0;39148  
 18; 5111.4; 26-AUG-2009 00:33:39; Dark ; 61.5; 27; 24Gam Ori ; 1.64; 26000;occ; 123; 0;39148  
 19; 5228.7; 26-AUG-2009 00:35:37; Dark ; 57.0; 30; 46Eps Ori ; 1.69; 30000;occ; 114; 0;39148

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 3; 2554.3; 25-AUG-2009 15:28:02; Bright; 69.0; 164; 44Eta Peg ; 2.95; 5400;occ; 138; 0;39143  
 4; 3204.6; 25-AUG-2009 15:38:53; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39143  
 5; 3337.3; 25-AUG-2009 15:41:05; Bright; 46.0; 76; 27Gam Cas ; 2.30; 30000;occ; 92; 0;39143  
 6; 4175.7; 25-AUG-2009 15:55:04; Bright; 53.5; 6; 13Alp Aur ; 0.08; 3400;occ; 107; 0;39143  
 7; 4375.4; 25-AUG-2009 15:58:23; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;39143  
 8; 4582.8; 25-AUG-2009 16:01:51; Dark ; 60.5; 28; 12Bet Tau ; 1.65; 15200;occ; 121; 0;39143  
 9; 4760.1; 25-AUG-2009 16:04:48; Dark ; 46.5; 44; 24Gam Gem ; 1.93; 11000;occ; 93; 0;39143  
 10; 5003.1; 25-AUG-2009 16:08:51; Dark ; 60.5; 14; 58Alp Ori ; 0.87; 3000;occ; 121; 0;39143  
 11; 5107.0; 25-AUG-2009 16:10:35; Dark ; 63.0; 27; 24Gam Ori ; 1.64; 26000;occ; 126; 0;39143  
 12; 5223.9; 25-AUG-2009 16:12:32; Dark ; 52.0; 33; 50Zet Ori ; 1.77; 30000;occ; 104; 0;39143  
 13; 5315.2; 25-AUG-2009 16:14:03; Dark ; 50.0; 125; 44Tot Ori ; 2.77; 30000;occ; 100; 0;39143  
 14; 5409.3; 25-AUG-2009 16:15:37; Dark ; 60.0; 128; 67Bet Eri ; 2.78; 9700;occ; 120; 0;39143  
 15; 5525.1; 25-AUG-2009 16:17:33; Dark ; 49.5; 101; 11Alp Lep ; 2.58; 7000;occ; 99; 0;39143  
 16; 5701.6; 25-AUG-2009 16:20:30; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39143  
 17; 6412.2; 25-AUG-2009 16:32:20; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;39143  
 18; 6940.8; 25-AUG-2009 16:41:09; Dark ; 57.5; 84; Alp Phe ; 2.40; 4500;occ; 115; 0;39143

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 2; 1900.8; 25-AUG-2009 16:57:45; Bright; 43.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 86; 0;39144  
 3; 2083.7; 25-AUG-2009 17:00:48; Bright; 42.0; 61; 8Eps Peg ; 2.10; 3900;occ; 84; 0;39144  
 4; 2553.9; 25-AUG-2009 17:08:38; Bright; 69.0; 164; 44Eta Peg ; 2.95; 5400;occ; 138; 0;39144  
 5; 3203.8; 25-AUG-2009 17:19:28; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39144  
 6; 3336.4; 25-AUG-2009 17:21:41; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;39144  
 7; 4175.5; 25-AUG-2009 17:35:40; Bright; 59.5; 6; 13Alp Aur ; 0.08; 3400;occ; 119; 0;39144  
 8; 4375.4; 25-AUG-2009 17:39:00; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;39144  
 9; 4583.0; 25-AUG-2009 17:42:27; Dark ; 61.0; 28; 12Bet Tau ; 1.65; 15200;occ; 122; 0;39144  
 10; 4760.5; 25-AUG-2009 17:45:25; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;39144  
 11; 5003.9; 25-AUG-2009 17:49:28; Dark ; 62.0; 14; 58Alp Ori ; 0.87; 3000;occ; 124; 0;39144  
 12; 5107.8; 25-AUG-2009 17:51:12; Dark ; 59.5; 27; 24Gam Ori ; 1.64; 26000;occ; 119; 0;39144  
 13; 5225.2; 25-AUG-2009 17:53:09; Dark ; 58.0; 30; 46Eps Ori ; 1.69; 30000;occ; 116; 0;39144  
 14; 5342.5; 25-AUG-2009 17:55:07; Dark ; 52.0; 56; 53Kap Ori ; 2.07; 30000;occ; 104; 0;39144  
 15; 5437.2; 25-AUG-2009 17:56:41; Dark ; 75.0; 7; 19Bet Ori ; 0.10; 14000;occ; 150; 0;39144  
 16; 5586.7; 25-AUG-2009 17:59:11; Dark ; 52.5; 139; 9Bet Lep ; 2.83; 5600;occ; 105; 0;39144  
 17; 5702.6; 25-AUG-2009 18:01:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39144  
 18; 6413.5; 25-AUG-2009 18:12:58; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;39144  
 19; 6941.6; 25-AUG-2009 18:21:46; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;39144

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 3; 2083.6; 25-AUG-2009 18:41:24; Bright; 41.0; 61; 8Eps Peg ; 2.10; 3900;occ; 82; 0;39145  
 4; 2553.1; 25-AUG-2009 18:49:13; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39145  
 5; 3203.3; 25-AUG-2009 19:00:03; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;39145  
 6; 3335.8; 25-AUG-2009 19:02:16; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39145  
 7; 4175.2; 25-AUG-2009 19:16:15; Bright; 52.0; 6; 13Alp Aur ; 0.08; 3400;occ; 104; 0;39145  
 8; 4375.5; 25-AUG-2009 19:19:36; Bright; 43.0; 107; 37The Aur ; 2.65; 11000;occ; 86; 0;39145



9; 4583.2; 25-AUG-2009 19:23:03; Dark ; 59.0; 28; 12Bet Tau ; 1.65; 15200;occ; 118; 0;39145  
 10; 4760.8; 25-AUG-2009 19:26:01; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;39145  
 11; 5004.3; 25-AUG-2009 19:30:04; Dark ; 68.0; 14; 58Alp Ori ; 0.87; 3000;occ; 136; 0;39145  
 12; 5108.7; 25-AUG-2009 19:31:49; Dark ; 64.0; 27; 24Gam Ori ; 1.64; 26000;occ; 128; 0;39145  
 13; 5226.2; 25-AUG-2009 19:33:46; Dark ; 58.5; 30; 46Eps Ori ; 1.69; 30000;occ; 117; 0;39145  
 14; 5343.4; 25-AUG-2009 19:35:44; Dark ; 52.0; 56; 53Kap Ori ; 2.07; 30000;occ; 104; 0;39145  
 15; 5438.4; 25-AUG-2009 19:37:19; Dark ; 66.0; 7; 19Bet Ori ; 0.10; 14000;occ; 132; 0;39145  
 16; 5587.5; 25-AUG-2009 19:39:48; Dark ; 50.0; 139; 9Bet Lep ; 2.83; 5600;occ; 100; 0;39145  
 17; 5703.5; 25-AUG-2009 19:41:44; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39145  
 18; 6414.6; 25-AUG-2009 19:53:35; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;39145  
 19; 6942.1; 25-AUG-2009 20:02:22; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;39145

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 3; -594.0; 26-AUG-2009 00:39:10; Dark ; 68.0; 7; 19Bet Ori ; 0.10; 14000;occ; 136; 0;39148  
 4; -445.5; 26-AUG-2009 00:41:38; Dark ; 49.5; 139; 9Bet Lep ; 2.83; 5600;occ; 99; 0;39148  
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 7; 908.0; 26-AUG-2009 01:04:12; Dark ; 59.0; 84; Alp Phe ; 2.40; 4500;occ; 118; 0;39149  
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 9; 1900.2; 26-AUG-2009 01:20:44; Bright; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;39149  
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 11; 2550.3; 26-AUG-2009 01:31:34; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39149  
 12; 3200.4; 26-AUG-2009 01:42:24; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;39149  
 13; 3332.8; 26-AUG-2009 01:44:36; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39149  
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 16; 4584.1; 26-AUG-2009 02:05:28; Dark ; 62.0; 28; 12Bet Tau ; 1.65; 15200;occ; 124; 0;39149  
 17; 4762.0; 26-AUG-2009 02:08:26; Dark ; 44.5; 44; 24Gam Gem ; 1.93; 11000;occ; 89; 0;39149  
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 3; -806.3; 26-AUG-2009 02:16:13; Dark ; 57.5; 30; 46Eps Ori ; 1.69; 30000;occ; 115; 0;39149  
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 5; -592.6; 26-AUG-2009 02:19:47; Dark ; 74.5; 7; 19Bet Ori ; 0.10; 14000;occ; 149; 0;39149  
 6; -444.4; 26-AUG-2009 02:22:15; Dark ; 50.0; 139; 9Bet Lep ; 2.83; 5600;occ; 100; 0;39149  
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 9; 908.8; 26-AUG-2009 02:44:48; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;39150  
 10; 1304.5; 26-AUG-2009 02:51:24; Dark ; 48.5; 18; 24Alp PsA ; 1.17; 9700;occ; 97; 0;39150  
 11; 1900.2; 26-AUG-2009 03:01:20; Bright; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;39150  
 12; 2083.0; 26-AUG-2009 03:04:22; Bright; 42.0; 61; 8Eps Peg ; 2.10; 3900;occ; 84; 0;39150  
 13; 2549.9; 26-AUG-2009 03:12:09; Bright; 47.0; 164; 44Eta Peg ; 2.95; 5400;occ; 94; 0;39150  
 14; 3199.6; 26-AUG-2009 03:22:59; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;39150  
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 2; -1660.4; 26-AUG-2009 03:42:35; Bright; 47.0; 107; 37The Aur ; 2.65; 11000;occ; 94; 0;39150  
 3; -1451.6; 26-AUG-2009 03:46:04; Dark ; 59.0; 28; 12Bet Tau ; 1.65; 15200;occ; 118; 0;39150  
 4; -1273.6; 26-AUG-2009 03:49:02; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;39150  
 5; -1028.4; 26-AUG-2009 03:53:07; Dark ; 69.0; 14; 58Alp Ori ; 0.87; 3000;occ; 138; 0;39150  
 6; -922.7; 26-AUG-2009 03:54:53; Dark ; 64.0; 27; 24Gam Ori ; 1.64; 26000;occ; 128; 0;39150  
 7; -805.3; 26-AUG-2009 03:56:50; Dark ; 58.5; 30; 46Eps Ori ; 1.69; 30000;occ; 117; 0;39150  
 8; -688.3; 26-AUG-2009 03:58:47; Dark ; 52.5; 56; 53Kap Ori ; 2.07; 30000;occ; 105; 0;39150  
 9; -591.4; 26-AUG-2009 04:00:24; Dark ; 65.5; 7; 19Bet Ori ; 0.10; 14000;occ; 131; 0;39150  
 10; -443.5; 26-AUG-2009 04:02:52; Dark ; 52.0; 139; 9Bet Lep ; 2.83; 5600;occ; 104; 0;39150  
 11; -327.5; 26-AUG-2009 04:04:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39150  
 12; 384.9; 26-AUG-2009 04:16:40; Dark ; 53.5; 157; The1Eri ; 2.91; 9300;occ; 107; 0;39151  
 13; 909.5; 26-AUG-2009 04:25:25; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;39151  
 14; 1304.9; 26-AUG-2009 04:32:00; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;39151  
 15; 1900.1; 26-AUG-2009 04:41:56; Bright; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;39151  
 16; 2082.8; 26-AUG-2009 04:44:58; Bright; 40.5; 61; 8Eps Peg ; 2.10; 3900;occ; 81; 0;39151  
 17; 2549.1; 26-AUG-2009 04:52:45; Bright; 46.5; 164; 44Eta Peg ; 2.95; 5400;occ; 93; 0;39151  
 18; 3199.0; 26-AUG-2009 05:03:35; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;39151  
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3;-1451.3; 26-AUG-2009 05:26:40; Dark ; 60.0; 28; 12Bet Tau ; 1.65; 15200;occ; 120; 0;39151
4;-1273.4; 26-AUG-2009 05:29:38; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;39151
5;-1027.8; 26-AUG-2009 05:33:44; Dark ; 64.0; 14; 58Alp Ori ; 0.87; 3000;occ; 128; 0;39151
6; -921.9; 26-AUG-2009 05:35:30; Dark ; 65.0; 27; 24Gam Ori ; 1.64; 26000;occ; 130; 0;39151
7; -804.6; 26-AUG-2009 05:37:27; Dark ; 55.5; 30; 46Eps Ori ; 1.69; 30000;occ; 111; 0;39151
8; -687.6; 26-AUG-2009 05:39:24; Dark ; 51.5; 56; 53Kap Ori ; 2.07; 30000;occ; 103; 0;39151
9; -590.2; 26-AUG-2009 05:41:01; Dark ; 69.0; 7; 19Bet Ori ; 0.10; 14000;occ; 138; 0;39151
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11; -326.5; 26-AUG-2009 05:45:25; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39151
12; 386.1; 26-AUG-2009 05:57:18; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;39152
13; 910.3; 26-AUG-2009 06:06:02; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;39152
14; 1305.3; 26-AUG-2009 06:12:37; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;39152
15; 1900.0; 26-AUG-2009 06:22:31; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;39152
16; 2082.7; 26-AUG-2009 06:25:34; Bright; 48.0; 61; 8Eps Peg ; 2.10; 3900;occ; 96; 0;39152
17; 2548.6; 26-AUG-2009 06:33:20; Bright; 46.5; 164; 44Eta Peg ; 2.95; 5400;occ; 93; 0;39152
18; 3198.4; 26-AUG-2009 06:44:10; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39152
19; 3330.5; 26-AUG-2009 06:46:22; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39152
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3; 1899.2; 26-AUG-2009 21:27:54; Bright; 59.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 118; 0;39161
4; 2081.3; 26-AUG-2009 21:30:56; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;39161
5; 2542.6; 26-AUG-2009 21:38:38; Bright; 44.0; 164; 44Eta Peg ; 2.95; 5400;occ; 88; 0;39161
6; 3192.1; 26-AUG-2009 21:49:27; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39161
7; 3323.8; 26-AUG-2009 21:51:39; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39161
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10; 4587.0; 26-AUG-2009 22:12:42; Dark ; 60.5; 28; 12Bet Tau ; 1.65; 15200;occ; 121; 0;39161
11; 4765.7; 26-AUG-2009 22:15:41; Dark ; 46.0; 44; 24Gam Gem ; 1.93; 11000;occ; 92; 0;39161
12; 5014.5; 26-AUG-2009 22:19:49; Dark ; 61.0; 14; 58Alp Ori ; 0.87; 3000;occ; 122; 0;39161
13; 5123.5; 26-AUG-2009 22:21:38; Dark ; 63.5; 27; 24Gam Ori ; 1.64; 26000;occ; 127; 0;39161
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3; -578.2; 26-AUG-2009 22:27:13; Dark ; 73.5; 7; 19Bet Ori ; 0.10; 14000;occ; 147; 0;39161
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6; 398.3; 26-AUG-2009 22:43:29; Dark ; 53.5; 157; The1Eri ; 2.91; 9300;occ; 107; 0;39162
7; 916.8; 26-AUG-2009 22:52:08; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;39162
8; 1308.4; 26-AUG-2009 22:58:39; Dark ; 51.0; 18; 24Alp PsA ; 1.17; 9700;occ; 102; 0;39162
9; 1898.9; 26-AUG-2009 23:08:30; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;39162
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11; 2542.0; 26-AUG-2009 23:19:13; Bright; 46.5; 164; 44Eta Peg ; 2.95; 5400;occ; 93; 0;39162
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15; 4376.2; 26-AUG-2009 23:49:47; Bright; 45.5; 107; 37The Aur ; 2.65; 11000;occ; 91; 0;39162
16; 4587.2; 26-AUG-2009 23:53:18; Dark ; 61.0; 28; 12Bet Tau ; 1.65; 15200;occ; 122; 0;39162
17; 4766.1; 26-AUG-2009 23:56:17; Dark ; 43.5; 44; 24Gam Gem ; 1.93; 11000;occ; 87; 0;39162
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4; 3197.8; 26-AUG-2009 08:24:45; Bright; 42.0; 74; 11Bet Cas ; 2.27; 6600;occ; 84; 0;39153
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7; 4375.6; 26-AUG-2009 08:44:23; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;39153
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18; 6947.4; 26-AUG-2009 09:27:15; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;39153
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3; 2547.0; 26-AUG-2009 09:54:30; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39154
4; 3196.8; 26-AUG-2009 10:05:20; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;39154
5; 3329.1; 26-AUG-2009 10:07:32; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39154
6; 4173.8; 26-AUG-2009 10:21:37; Bright; 69.0; 6; 13Alp Aur ; 0.08; 3400;occ; 138; 0;39154
7; 4375.7; 26-AUG-2009 10:24:59; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;39154
8; 4585.3; 26-AUG-2009 10:28:29; Dark ; 58.0; 28; 12Bet Tau ; 1.65; 15200;occ; 116; 0;39154
9; 4763.6; 26-AUG-2009 10:31:27; Dark ; 46.5; 44; 24Gam Gem ; 1.93; 11000;occ; 93; 0;39154
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13; 5350.9; 26-AUG-2009 10:41:14; Dark ; 52.0; 56; 53Kap Ori ; 2.07; 30000;occ; 104; 0;39154
14; 5449.4; 26-AUG-2009 10:42:53; Dark ; 67.0; 7; 19Bet Ori ; 0.10; 14000;occ; 134; 0;39154
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3; 3196.0; 26-AUG-2009 11:45:55; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;39155
4; 3328.3; 26-AUG-2009 11:48:08; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39155
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7; 4585.6; 26-AUG-2009 12:09:05; Dark ; 60.5; 28; 12Bet Tau ; 1.65; 15200;occ; 121; 0;39155
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9; 5010.6; 26-AUG-2009 12:16:10; Dark ; 62.5; 14; 58Alp Ori ; 0.87; 3000;occ; 125; 0;39155
10; 5117.8; 26-AUG-2009 12:17:57; Dark ; 60.0; 27; 24Gam Ori ; 1.64; 26000;occ; 120; 0;39155
11; 5235.1; 26-AUG-2009 12:19:54; Dark ; 56.5; 30; 46Eps Ori ; 1.69; 30000;occ; 113; 0;39155
12; 5351.8; 26-AUG-2009 12:21:51; Dark ; 49.0; 56; 53Kap Ori ; 2.07; 30000;occ; 98; 0;39155
13; 5450.5; 26-AUG-2009 12:23:30; Dark ; 65.5; 7; 19Bet Ori ; 0.10; 14000;occ; 131; 0;39155
14; 5597.3; 26-AUG-2009 12:25:57; Dark ; 49.5; 139; 9Bet Lep ; 2.83; 5600;occ; 99; 0;39155
15; 5713.3; 26-AUG-2009 12:27:53; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39155
16; 6426.9; 26-AUG-2009 12:39:46; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;39155
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 16; 6500.3; 30-AUG-2009 17:16:55; Dark ; 56.0; 157; The1Eri ; 2.91; 9300;occ; 112; 0;39215  
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 9; 4788.4; 31-AUG-2009 07:53:46; Dark ; 51.5; 44; 24Gam Gem ; 1.93; 11000;occ; 103; 0;39224  
 10; 5060.4; 31-AUG-2009 07:58:18; Dark ; 77.0; 14; 58Alp Ori ; 0.87; 3000;occ; 154; 0;39224  
 11; 5307.1; 31-AUG-2009 08:02:25; Dark ; 64.0; 30; 46Eps Ori ; 1.69; 30000;occ; 128; 0;39224  
 12; 5442.8; 31-AUG-2009 08:04:41; Dark ; 46.0; 47; 2Bet CMA ; 1.98; 28000;occ; 92; 0;39224  
 13; 5610.4; 31-AUG-2009 08:07:28; Dark ; 53.5; 101; 11Alp Lep ; 2.58; 7000;occ; 107; 0;39224  
 14; 5786.8; 31-AUG-2009 08:10:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39224  
 15; 6511.6; 31-AUG-2009 08:22:30; Dark ; 54.5; 157; The1Eri ; 2.91; 9300;occ; 109; 0;39224  
 16; 6992.5; 31-AUG-2009 08:30:30; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;39224  
 17; 7363.0; 31-AUG-2009 08:36:41; Dark ; 45.0; 18; 24Alp PsA ; 1.17; 9700;occ; 90; 0;39224

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 3; 2506.1; 31-AUG-2009 08:56:20; Bright; 64.0; 164; 44Eta Peg ; 2.95; 5400;occ; 128; 0;39225  
 4; 3149.4; 31-AUG-2009 09:07:03; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39225  
 5; 3278.0; 31-AUG-2009 09:09:12; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;39225  
 6; 4158.2; 31-AUG-2009 09:23:52; Bright; 59.0; 6; 13Alp Aur ; 0.08; 3400;occ; 118; 0;39225  
 7; 4378.1; 31-AUG-2009 09:27:32; Bright; 50.0; 107; 37The Aur ; 2.65; 11000;occ; 100; 0;39225  
 8; 4683.9; 31-AUG-2009 09:32:38; Dark ; 61.0; 151; 13Mu Gem ; 2.89; 3000;occ; 122; 0;39225  
 9; 4788.9; 31-AUG-2009 09:34:23; Dark ; 51.5; 44; 24Gam Gem ; 1.93; 11000;occ; 103; 0;39225  
 10; 5061.2; 31-AUG-2009 09:38:55; Dark ; 70.5; 14; 58Alp Ori ; 0.87; 3000;occ; 141; 0;39225  
 11; 5308.1; 31-AUG-2009 09:43:02; Dark ; 64.5; 30; 46Eps Ori ; 1.69; 30000;occ; 129; 0;39225  
 12; 5443.4; 31-AUG-2009 09:45:17; Dark ; 42.5; 47; 2Bet CMA ; 1.98; 28000;occ; 85; 0;39225  
 13; 5611.6; 31-AUG-2009 09:48:06; Dark ; 53.0; 101; 11Alp Lep ; 2.58; 7000;occ; 106; 0;39225  
 14; 5787.9; 31-AUG-2009 09:51:02; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39225  
 15; 6512.6; 31-AUG-2009 10:03:06; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;39225  
 16; 6993.1; 31-AUG-2009 10:11:07; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;39225  
 17; 7363.2; 31-AUG-2009 10:17:17; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;39225

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 3; 2505.7; 31-AUG-2009 10:36:55; Bright; 43.0; 164; 44Eta Peg ; 2.95; 5400;occ; 86; 0;39226  
 4; 3148.7; 31-AUG-2009 10:47:39; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39226  
 5; 3277.3; 31-AUG-2009 10:49:47; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39226  
 6; 4157.9; 31-AUG-2009 11:04:28; Bright; 59.5; 6; 13Alp Aur ; 0.08; 3400;occ; 119; 0;39226  
 7; 4378.2; 31-AUG-2009 11:08:08; Bright; 48.5; 107; 37The Aur ; 2.65; 11000;occ; 97; 0;39226  
 8; 4684.2; 31-AUG-2009 11:13:14; Dark ; 64.0; 151; 13Mu Gem ; 2.89; 3000;occ; 128; 0;39226  
 9; 4789.1; 31-AUG-2009 11:14:59; Dark ; 48.0; 44; 24Gam Gem ; 1.93; 11000;occ; 96; 0;39226  
 10; 5061.9; 31-AUG-2009 11:19:32; Dark ; 75.0; 14; 58Alp Ori ; 0.87; 3000;occ; 150; 0;39226  
 11; 5309.1; 31-AUG-2009 11:23:39; Dark ; 63.0; 30; 46Eps Ori ; 1.69; 30000;occ; 126; 0;39226  
 12; 5444.1; 31-AUG-2009 11:25:54; Dark ; 47.5; 47; 2Bet CMA ; 1.98; 28000;occ; 95; 0;39226  
 13; 5612.7; 31-AUG-2009 11:28:42; Dark ; 55.5; 101; 11Alp Lep ; 2.58; 7000;occ; 111; 0;39226  
 14; 5789.0; 31-AUG-2009 11:31:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39226  
 15; 6513.8; 31-AUG-2009 11:43:44; Dark ; 55.0; 157; The1Eri ; 2.91; 9300;occ; 110; 0;39226  
 16; 6993.6; 31-AUG-2009 11:51:43; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;39226  
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 3; 2505.1; 31-AUG-2009 12:17:31; Bright; 41.0; 164; 44Eta Peg ; 2.95; 5400;occ; 82; 0;39227  
 4; 3148.2; 31-AUG-2009 12:28:14; Bright; 43.0; 74; 11Bet Cas ; 2.27; 6600;occ; 86; 0;39227  
 5; 3276.6; 31-AUG-2009 12:30:22; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39227  
 6; 4157.6; 31-AUG-2009 12:45:03; Bright; 73.0; 6; 13Alp Aur ; 0.08; 3400;occ; 146; 0;39227  
 7; 4378.2; 31-AUG-2009 12:48:44; Bright; 51.5; 107; 37The Aur ; 2.65; 11000;occ; 103; 0;39227  
 8; 4684.5; 31-AUG-2009 12:53:50; Dark ; 52.0; 151; 13Mu Gem ; 2.89; 3000;occ; 104; 0;39227  
 9; 4789.7; 31-AUG-2009 12:55:35; Dark ; 50.5; 44; 24Gam Gem ; 1.93; 11000;occ; 101; 0;39227  
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 11; 5310.3; 31-AUG-2009 13:04:16; Dark ; 59.0; 30; 46Eps Ori ; 1.69; 30000;occ; 118; 0;39227  
 12; 5445.0; 31-AUG-2009 13:06:31; Dark ; 47.0; 47; 2Bet CMA ; 1.98; 28000;occ; 94; 0;39227  
 13; 5613.9; 31-AUG-2009 13:09:19; Dark ; 53.5; 101; 11Alp Lep ; 2.58; 7000;occ; 107; 0;39227  
 14; 5790.2; 31-AUG-2009 13:12:16; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39227  
 15; 6515.1; 31-AUG-2009 13:24:21; Dark ; 55.0; 157; The1Eri ; 2.91; 9300;occ; 110; 0;39227  
 16; 6994.1; 31-AUG-2009 13:32:20; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;39227  
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 2; 2504.8; 31-AUG-2009 13:58:06; Bright; 43.5; 164; 44Eta Peg ; 2.95; 5400;occ; 87; 0;39228  
 3; 3147.5; 31-AUG-2009 14:08:49; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39228



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4; 3275.8; 31-AUG-2009 14:10:57; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39228
5; 4157.6; 31-AUG-2009 14:25:39; Bright; 62.0; 6; 13Alp Aur ; 0.08; 3400;occ; 124; 0;39228
6; 4378.3; 31-AUG-2009 14:29:20; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;39228
7; 4684.9; 31-AUG-2009 14:34:26; Dark ; 56.5; 151; 13Mu Gem ; 2.89; 3000;occ; 113; 0;39228
8; 4790.1; 31-AUG-2009 14:36:12; Dark ; 48.0; 44; 24Gam Gem ; 1.93; 11000;occ; 96; 0;39228
9; 5063.8; 31-AUG-2009 14:40:45; Dark ; 70.0; 14; 58Alp Ori ; 0.87; 3000;occ; 140; 0;39228
10; 5311.7; 31-AUG-2009 14:44:53; Dark ; 65.0; 30; 46Eps Ori ; 1.69; 30000;occ; 130; 0;39228
11; 5445.8; 31-AUG-2009 14:47:07; Dark ; 46.5; 47; 2Bet CMA ; 1.98; 28000;occ; 93; 0;39228
12; 5615.1; 31-AUG-2009 14:49:57; Dark ; 54.0; 101; 11Alp Lep ; 2.58; 7000;occ; 108; 0;39228
13; 5791.4; 31-AUG-2009 14:52:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39228
14; 6516.3; 31-AUG-2009 15:04:58; Dark ; 54.5; 157; The1Eri ; 2.91; 9300;occ; 109; 0;39228
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2; 2253.0; 31-AUG-2009 15:34:30; Bright; 47.5; 90; 54Alp Peg ; 2.49; 11000;occ; 95; 0;39229
3; 2504.2; 31-AUG-2009 15:38:42; Bright; 55.5; 164; 44Eta Peg ; 2.95; 5400;occ; 111; 0;39229
4; 3146.9; 31-AUG-2009 15:49:24; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39229
5; 3275.1; 31-AUG-2009 15:51:33; Bright; 44.5; 76; 27Gam Cas ; 2.30; 30000;occ; 89; 0;39229
6; 4157.4; 31-AUG-2009 16:06:15; Bright; 58.5; 6; 13Alp Aur ; 0.08; 3400;occ; 117; 0;39229
7; 4378.1; 31-AUG-2009 16:09:56; Bright; 48.0; 107; 37The Aur ; 2.65; 11000;occ; 96; 0;39229
8; 4685.1; 31-AUG-2009 16:15:03; Dark ; 55.0; 151; 13Mu Gem ; 2.89; 3000;occ; 110; 0;39229
9; 4790.5; 31-AUG-2009 16:16:48; Dark ; 49.5; 44; 24Gam Gem ; 1.93; 11000;occ; 99; 0;39229
10; 5064.4; 31-AUG-2009 16:21:22; Dark ; 73.0; 14; 58Alp Ori ; 0.87; 3000;occ; 146; 0;39229
11; 5313.1; 31-AUG-2009 16:25:30; Dark ; 65.0; 30; 46Eps Ori ; 1.69; 30000;occ; 130; 0;39229
12; 5446.5; 31-AUG-2009 16:27:44; Dark ; 48.0; 47; 2Bet CMA ; 1.98; 28000;occ; 96; 0;39229
13; 5616.3; 31-AUG-2009 16:30:34; Dark ; 56.0; 101; 11Alp Lep ; 2.58; 7000;occ; 112; 0;39229
14; 5792.6; 31-AUG-2009 16:33:30; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39229
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3; 2503.7; 31-AUG-2009 17:19:17; Bright; 64.0; 164; 44Eta Peg ; 2.95; 5400;occ; 128; 0;39230
4; 3146.3; 31-AUG-2009 17:30:00; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39230
5; 3274.4; 31-AUG-2009 17:32:08; Bright; 46.0; 76; 27Gam Cas ; 2.30; 30000;occ; 92; 0;39230
6; 4157.1; 31-AUG-2009 17:46:51; Bright; 54.5; 6; 13Alp Aur ; 0.08; 3400;occ; 109; 0;39230
7; 4378.2; 31-AUG-2009 17:50:32; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;39230
8; 4685.5; 31-AUG-2009 17:55:39; Dark ; 57.0; 151; 13Mu Gem ; 2.89; 3000;occ; 114; 0;39230
9; 4790.9; 31-AUG-2009 17:57:24; Dark ; 49.0; 44; 24Gam Gem ; 1.93; 11000;occ; 98; 0;39230
10; 5314.3; 31-AUG-2009 18:06:08; Dark ; 58.0; 30; 46Eps Ori ; 1.69; 30000;occ; 116; 0;39230
11; 5447.4; 31-AUG-2009 18:08:21; Dark ; 45.5; 47; 2Bet CMA ; 1.98; 28000;occ; 91; 0;39230
12; 5617.6; 31-AUG-2009 18:11:11; Dark ; 58.5; 101; 11Alp Lep ; 2.58; 7000;occ; 117; 0;39230
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5; 3273.8; 31-AUG-2009 19:12:43; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39231
6; 4156.8; 31-AUG-2009 19:27:26; Bright; 59.5; 6; 13Alp Aur ; 0.08; 3400;occ; 119; 0;39231
7; 4378.2; 31-AUG-2009 19:31:08; Bright; 47.5; 107; 37The Aur ; 2.65; 11000;occ; 95; 0;39231
8; 4685.8; 31-AUG-2009 19:36:15; Dark ; 57.0; 151; 13Mu Gem ; 2.89; 3000;occ; 114; 0;39231
9; 4791.2; 31-AUG-2009 19:38:01; Dark ; 50.5; 44; 24Gam Gem ; 1.93; 11000;occ; 101; 0;39231
10; 5315.1; 31-AUG-2009 19:46:45; Dark ; 58.0; 30; 46Eps Ori ; 1.69; 30000;occ; 116; 0;39231
11; 5447.9; 31-AUG-2009 19:48:57; Dark ; 46.0; 47; 2Bet CMA ; 1.98; 28000;occ; 92; 0;39231
12; 5618.7; 31-AUG-2009 19:51:48; Dark ; 54.0; 101; 11Alp Lep ; 2.58; 7000;occ; 108; 0;39231
13; 5794.8; 31-AUG-2009 19:54:44; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39231
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15; 6996.5; 31-AUG-2009 20:14:46; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;39231

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