

# GOMOS Daily Report 17-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	20AUG2009 04:52:31
Data source version	GOMOS/5.00
Start time of products	17AUG2009 00:01:06
Stop time of products	17AUG2009 23:50:10
Store outputs in DB	Yes
Nb of level 1b prods	108
Nb of prods with errors	0

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

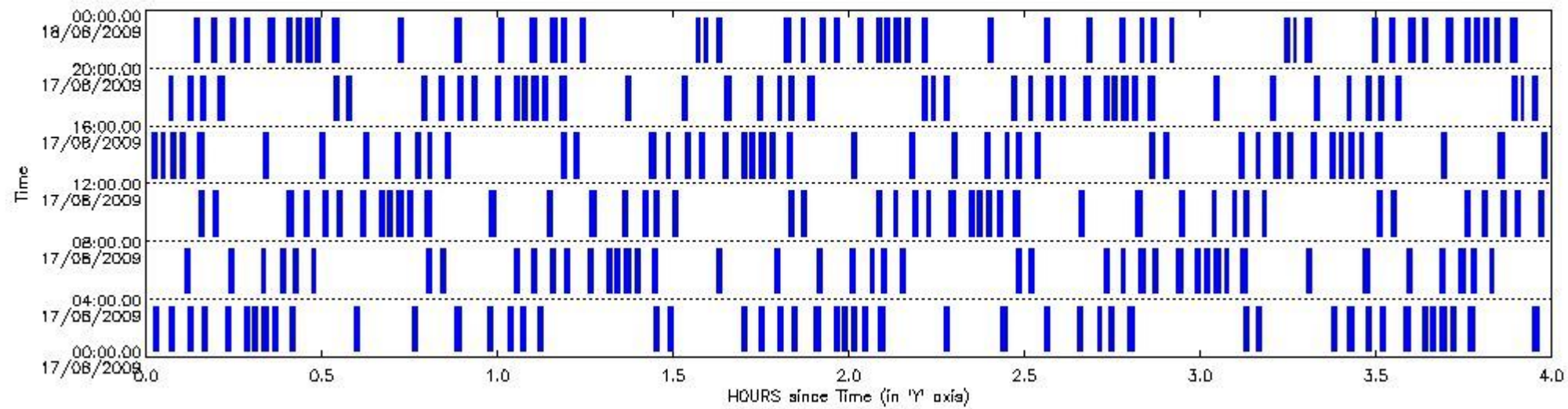
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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.

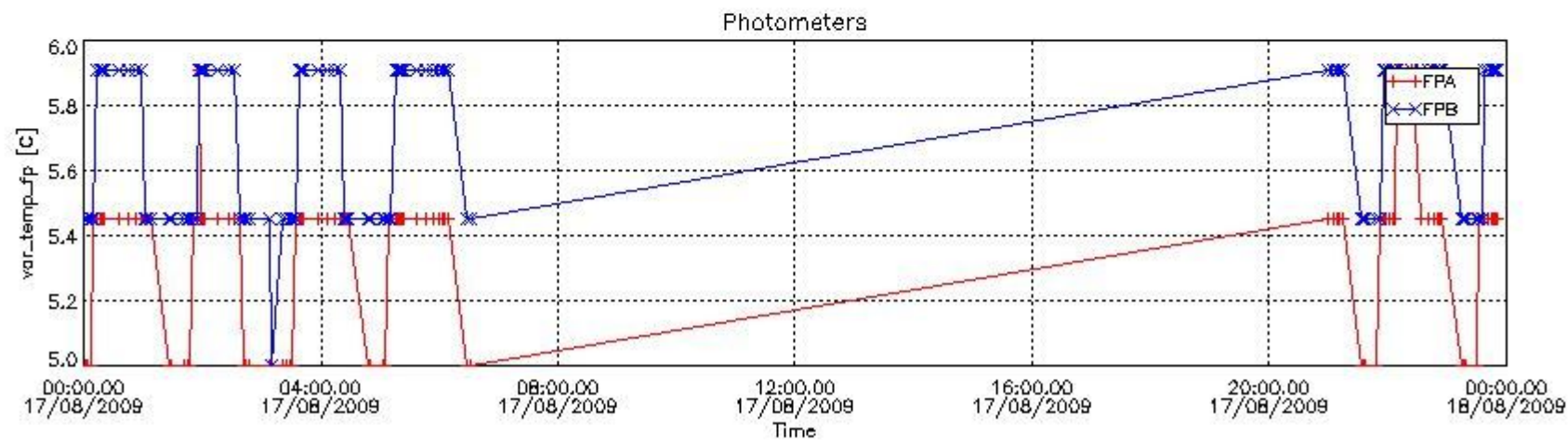
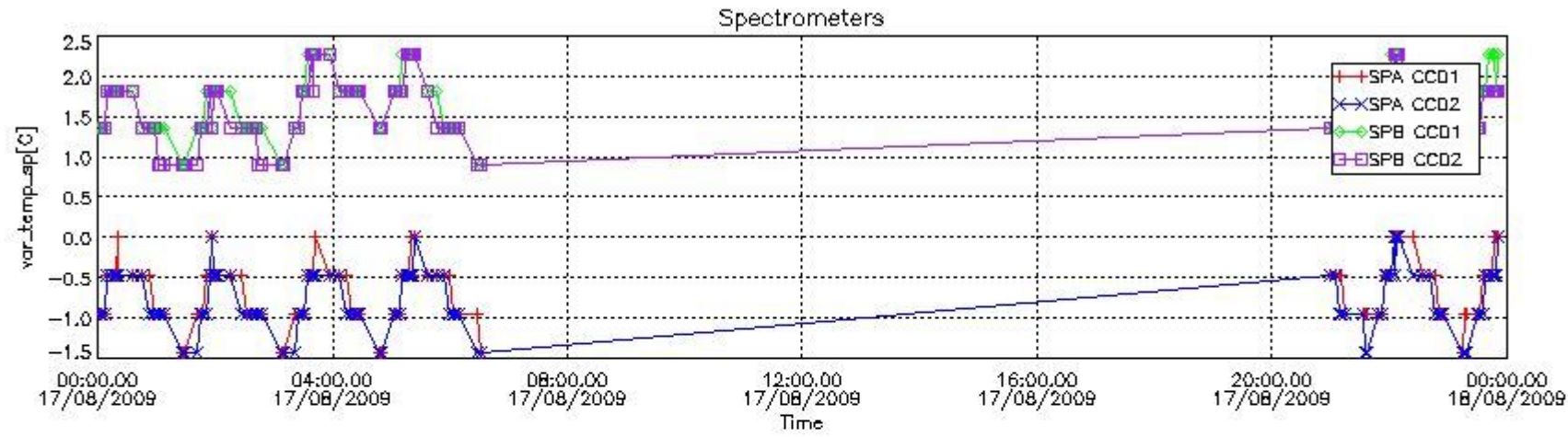
### 2.4 Summary of processed GOM\_TRA\_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20090817_000106_000000512081_00388_39019_4159.N1	17-AUG-2009 00:01:06	Bright	51.000	6	13Alp Aur	0.080000	3400.0	102	39019	No
2	GOM_TRA_1PNPDE20090817_000402_000000402081_00388_39019_4160.N1	17-AUG-2009 00:04:02	Bright	40.000	107	37The Aur	2.6490	11000.	80	39019	No
3	GOM_TRA_1PNPDE20090817_000709_000000532081_00388_39019_4161.N1	17-AUG-2009 00:07:09	Twilight_and_stray	52.500	28	12Bet Tau	1.6500	15200.	105	39019	No
4	GOM_TRA_1PNPDE20090817_000932_000000492081_00388_39019_4162.N1	17-AUG-2009 00:09:32	Twilight_and_stray	48.500	176	23Zet Tau	3.0200	22000.	97	39019	No
5	GOM_TRA_1PNPDE20090817_001331_000000542081_00388_39019_4163.N1	17-AUG-2009 00:13:31	Dark	54.000	14	58Alp Ori	0.87000	3000.0	108	39019	No
6	GOM_TRA_1PNPDE20090817_001645_000000512081_00388_39019_4164.N1	17-AUG-2009 00:16:45	Dark	51.000	30	46Eps Ori	1.6940	30000.	102	39019	No
7	GOM_TRA_1PNPDE20090817_001810_000000462081_00388_39019_4165.N1	17-AUG-2009 00:18:10	Dark	45.500	125	44Iot Ori	2.7700	30000.	91	39019	No
8	GOM_TRA_1PNPDE20090817_001947_000000612081_00388_39019_4294.N1	17-AUG-2009 00:19:47	Dark	61.000	7	19Bet Ori	0.10000	14000.	122	39019	No
9	GOM_TRA_1PNPDE20090817_002137_000000482081_00388_39019_4295.N1	17-AUG-2009 00:21:37	Dark	48.000	101	11Alp Lep	2.5820	7000.0	96	39019	No
10	GOM_TRA_1PNPDE20090817_003535_000000522081_00389_39020_4296.N1	17-AUG-2009 00:35:35	Dark	52.000	157	The1Eri	2.9060	9300.0	104	39020	No
11	GOM_TRA_1PNPDE20090817_004521_000000532081_00389_39020_4297.N1	17-AUG-2009 00:45:21	Straylight	53.000	84	Alp Phe	2.3970	4500.0	106	39020	No
12	GOM_TRA_1PNPDE20090817_005246_000000552081_00389_39020_4298.N1	17-AUG-2009 00:52:46	Twilight_and_stray	54.500	18	24Alp PsA	1.1660	9700.0	109	39020	No



72	GOM_TRA_1PNPDE20090817_063044_000000482081_00392_39023_4793.N1	17-AUG-2009 06:30:44	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	39023	No
73	GOM_TRA_1PNPDE20090817_210003_000000532081_00401_39032_5158.N1	17-AUG-2009 21:00:03	Twilight	53.000	18	24Alp PsA	1.1660	9700.0	106	39032	No
74	GOM_TRA_1PNPDE20090817_210535_000000592081_00401_39032_5159.N1	17-AUG-2009 21:05:35	Bright	59.000	142	49Del Cap	2.8500	8900.0	118	39032	No
75	GOM_TRA_1PNPDE20090817_210900_000000582081_00401_39032_5160.N1	17-AUG-2009 21:09:00	Bright	58.000	154	22Bet Aqr	2.8990	5700.0	116	39032	No
76	GOM_TRA_1PNPDE20090817_211058_000000472081_00401_39032_5161.N1	17-AUG-2009 21:10:58	Bright	47.000	162	34Alp Aqr	2.9440	5350.0	94	39032	No
77	GOM_TRA_1PNPDE20090817_211407_000000442081_00401_39032_5162.N1	17-AUG-2009 21:14:07	Bright	43.500	61	8Eps Peg	2.1000	3900.0	87	39032	No
78	GOM_TRA_1PNPDE20090817_213347_000000492081_00401_39032_5163.N1	17-AUG-2009 21:33:47	Bright	48.500	74	11Bet Cas	2.2680	6600.0	97	39032	No
79	GOM_TRA_1PNPDE20090817_213518_000000272081_00401_39032_5164.N1	17-AUG-2009 21:35:18	Twilight	27.000	68	18Alp Cas	2.2250	4500.0	54	39032	No
80	GOM_TRA_1PNPDE20090817_213723_000000462081_00401_39032_5165.N1	17-AUG-2009 21:37:23	Bright	46.000	110	37Del Cas	2.6780	8900.0	92	39032	No
81	GOM_TRA_1PNPDE20090817_214852_000000632081_00401_39032_5166.N1	17-AUG-2009 21:48:52	Bright	63.000	6	13Alp Aur	0.080000	3400.0	126	39032	No
82	GOM_TRA_1PNPDE20090817_215150_000000412081_00401_39032_5167.N1	17-AUG-2009 21:51:50	Bright	40.500	107	37The Aur	2.6490	11000.	81	39032	No
83	GOM_TRA_1PNPDE20090817_215459_000000512081_00401_39032_5168.N1	17-AUG-2009 21:54:59	Twilight	50.500	28	12Bet Tau	1.6500	15200.	101	39032	No
84	GOM_TRA_1PNPDE20090817_215723_000000482081_00401_39032_5169.N1	17-AUG-2009 21:57:23	Twilight	47.500	176	23Zet Tau	3.0200	22000.	95	39032	No
85	GOM_TRA_1PNPDE20090817_220124_000000542081_00401_39032_5170.N1	17-AUG-2009 22:01:24	Dark	53.500	14	58Alp Ori	0.87000	3000.0	107	39032	No
86	GOM_TRA_1PNPDE20090817_220440_000000492081_00401_39032_5171.N1	17-AUG-2009 22:04:40	Dark	49.000	30	46Eps Ori	1.6940	30000.	98	39032	No
87	GOM_TRA_1PNPDE20090817_220606_000000472081_00401_39032_5298.N1	17-AUG-2009 22:06:06	Dark	47.000	125	44Iot Ori	2.7700	30000.	94	39032	No
88	GOM_TRA_1PNPDE20090817_220745_000000562081_00401_39032_5299.N1	17-AUG-2009 22:07:45	Dark	55.500	7	19Bet Ori	0.10000	14000.	111	39032	No
89	GOM_TRA_1PNPDE20090817_220933_000000482081_00401_39032_5300.N1	17-AUG-2009 22:09:33	Dark	47.500	101	11Alp Lep	2.5820	7000.0	95	39032	No
90	GOM_TRA_1PNPDE20090817_222337_000000522081_00402_39033_5301.N1	17-AUG-2009 22:23:37	Dark	51.500	157	The1Eri	2.9060	9300.0	103	39033	No
91	GOM_TRA_1PNPDE20090817_223318_000000492081_00402_39033_5302.N1	17-AUG-2009 22:33:18	Straylight	49.000	84	Alp Phe	2.3970	4500.0	98	39033	No
92	GOM_TRA_1PNPDE20090817_224039_000000532081_00402_39033_5303.N1	17-AUG-2009 22:40:39	Twilight	53.000	18	24Alp PsA	1.1660	9700.0	106	39033	No
93	GOM_TRA_1PNPDE20090817_224611_000000452081_00402_39033_5304.N1	17-AUG-2009 22:46:11	Bright	44.500	142	49Del Cap	2.8500	8900.0	89	39033	No
94	GOM_TRA_1PNPDE20090817_224936_000000422081_00402_39033_5305.N1	17-AUG-2009 22:49:36	Bright	42.000	154	22Bet Aqr	2.8990	5700.0	84	39033	No
95	GOM_TRA_1PNPDE20090817_225133_000000472081_00402_39033_5306.N1	17-AUG-2009 22:51:33	Bright	46.500	162	34Alp Aqr	2.9440	5350.0	93	39033	No
96	GOM_TRA_1PNPDE20090817_225442_000000442081_00402_39033_5307.N1	17-AUG-2009 22:54:42	Bright	44.000	61	8Eps Peg	2.1000	3900.0	88	39033	No
97	GOM_TRA_1PNPDE20090817_231422_000000472081_00402_39033_5308.N1	17-AUG-2009 23:14:22	Bright	46.500	74	11Bet Cas	2.2680	6600.0	93	39033	No
98	GOM_TRA_1PNPDE20090817_231553_000000272081_00402_39033_5309.N1	17-AUG-2009 23:15:53	Twilight	27.000	68	18Alp Cas	2.2250	4500.0	54	39033	No
99	GOM_TRA_1PNPDE20090817_231758_000000612081_00402_39033_5310.N1	17-AUG-2009 23:17:58	Bright	61.000	110	37Del Cas	2.6780	8900.0	122	39033	No
100	GOM_TRA_1PNPDE20090817_232927_000000512081_00402_39033_5311.N1	17-AUG-2009 23:29:27	Bright	51.000	6	13Alp Aur	0.080000	3400.0	102	39033	No
101	GOM_TRA_1PNPDE20090817_233225_000000392081_00402_39033_5312.N1	17-AUG-2009 23:32:25	Bright	39.000	107	37The Aur	2.6490	11000.	78	39033	No
102	GOM_TRA_1PNPDE20090817_233535_000000552081_00402_39033_5313.N1	17-AUG-2009 23:35:35	Twilight	54.500	28	12Bet Tau	1.6500	15200.	109	39033	No
103	GOM_TRA_1PNPDE20090817_233800_000000472081_00402_39033_5314.N1	17-AUG-2009 23:38:00	Twilight	47.000	176	23Zet Tau	3.0200	22000.	94	39033	No
104	GOM_TRA_1PNPDE20090817_234200_000000572081_00402_39033_5315.N1	17-AUG-2009 23:42:00	Dark	57.000	14	58Alp Ori	0.87000	3000.0	114	39033	No
105	GOM_TRA_1PNPDE20090817_234517_000000502081_00402_39033_5316.N1	17-AUG-2009 23:45:17	Dark	50.000	30	46Eps Ori	1.6940	30000.	100	39033	No
106	GOM_TRA_1PNPDE20090817_234643_000000482081_00402_39033_5317.N1	17-AUG-2009 23:46:43	Dark	48.000	125	44Iot Ori	2.7700	30000.	96	39033	No
107	GOM_TRA_1PNPDE20090817_234821_000000532081_00402_39033_5443.N1	17-AUG-2009 23:48:21	Dark	53.000	7	19Bet Ori	0.10000	14000.	106	39033	No
108	GOM_TRA_1PNPDE20090817_235010_000000482081_00402_39033_5444.N1	17-AUG-2009 23:50:10	Dark	48.000	101	11Alp Lep	2.5820	7000.0	96	39033	No

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



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

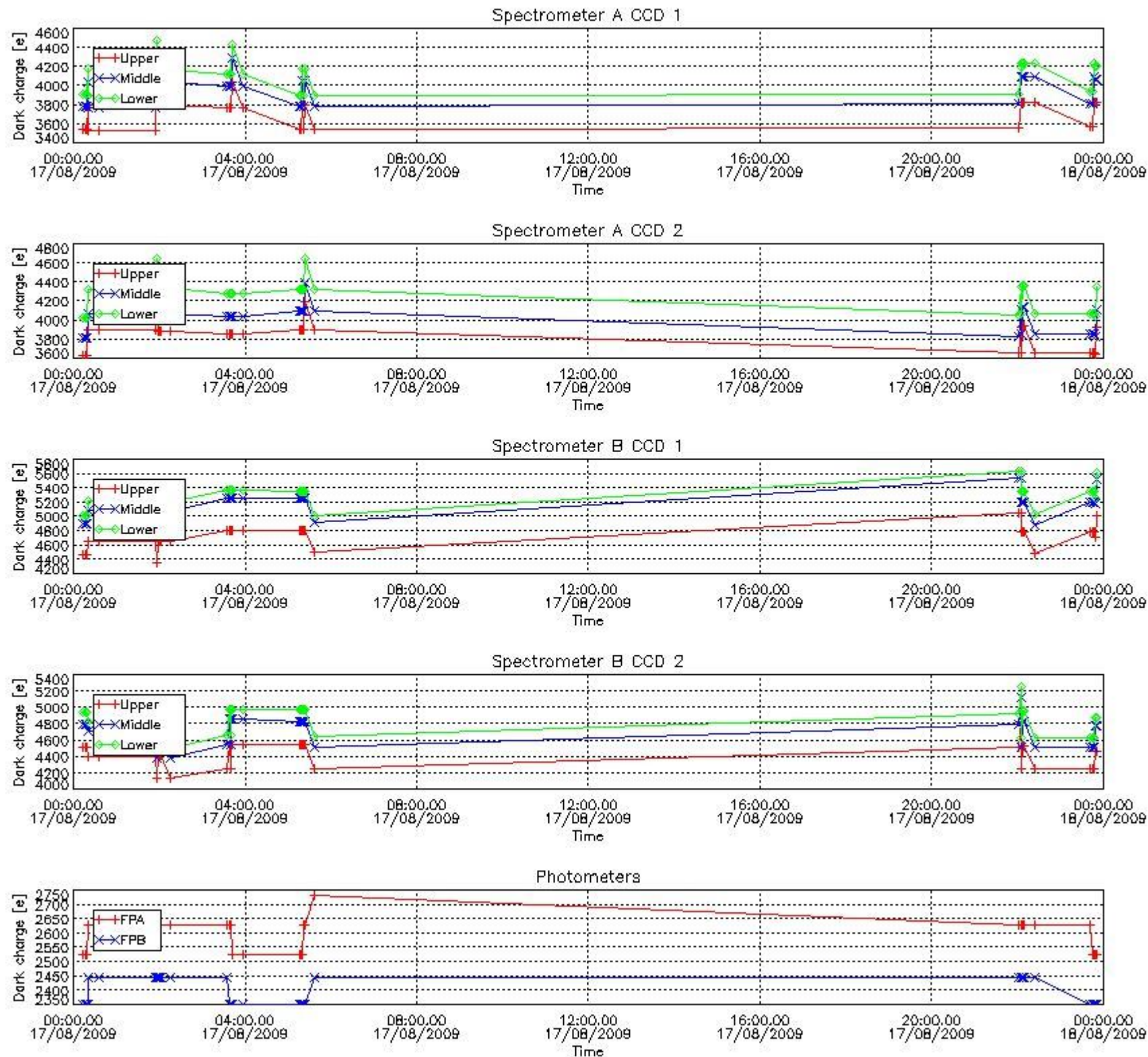
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20090817_210003_000000532081_00401_39032_5158.N1	DC map used
GOM_TRA_1PNPDE20090817_210535_000000592081_00401_39032_5159.N1	DC map used
GOM_TRA_1PNPDE20090817_210900_000000582081_00401_39032_5160.N1	DC map used
GOM_TRA_1PNPDE20090817_211058_000000472081_00401_39032_5161.N1	DC map used
GOM_TRA_1PNPDE20090817_211407_000000442081_00401_39032_5162.N1	DC map used
GOM_TRA_1PNPDE20090817_213347_000000492081_00401_39032_5163.N1	DC map used
GOM_TRA_1PNPDE20090817_213518_000000272081_00401_39032_5164.N1	DC map used
GOM_TRA_1PNPDE20090817_213723_000000462081_00401_39032_5165.N1	DC map used
GOM_TRA_1PNPDE20090817_214852_000000632081_00401_39032_5166.N1	DC map used
GOM_TRA_1PNPDE20090817_215150_000000412081_00401_39032_5167.N1	DC map used
GOM_TRA_1PNPDE20090817_215459_000000512081_00401_39032_5168.N1	DC map used
GOM_TRA_1PNPDE20090817_215723_000000482081_00401_39032_5169.N1	DC map used
GOM_TRA_1PNPDE20090817_220124_000000542081_00401_39032_5170.N1	DC map used
GOM_TRA_1PNPDE20090817_220440_000000492081_00401_39032_5171.N1	DC map used

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



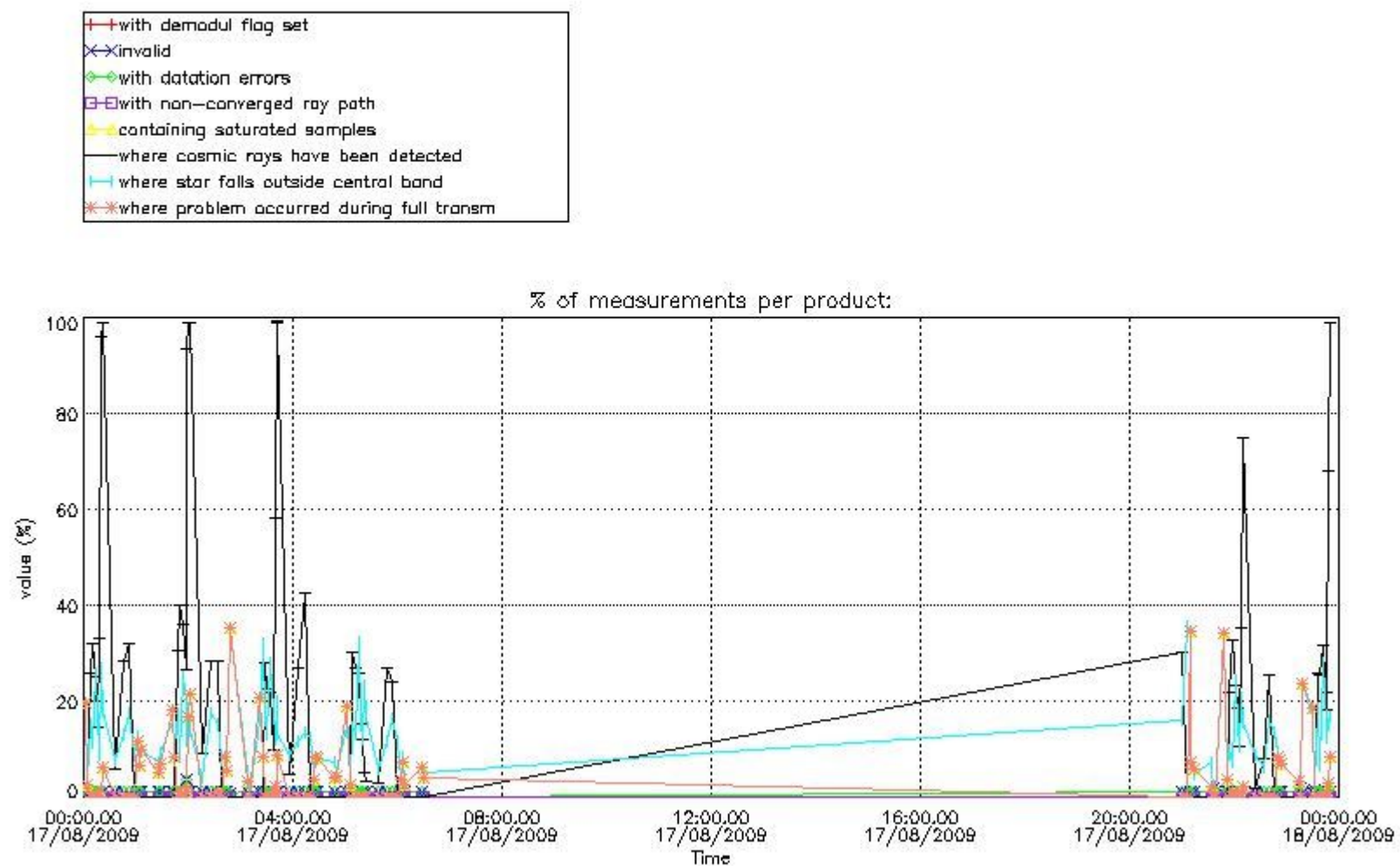
5. Demodulation flag and quality information monitoring

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.

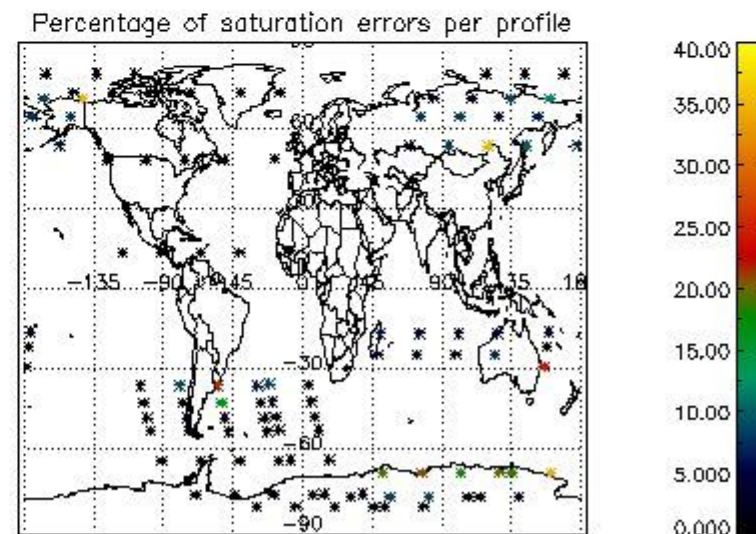
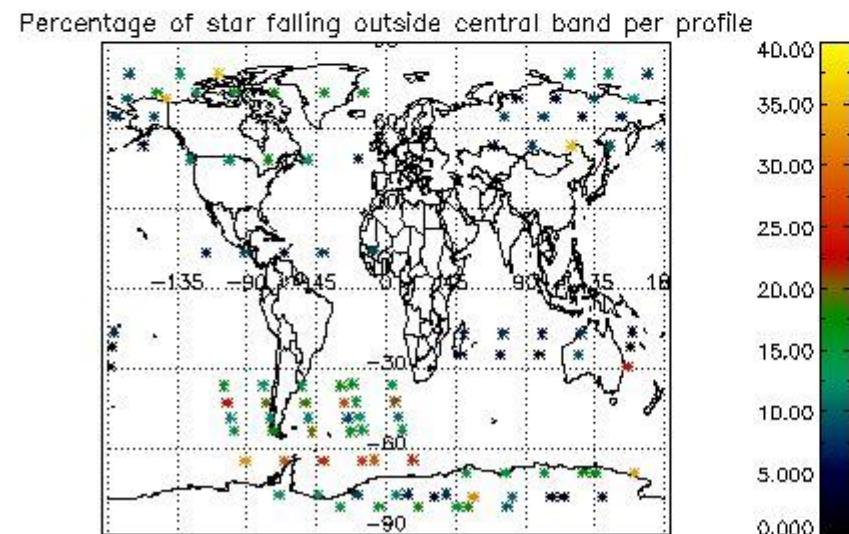
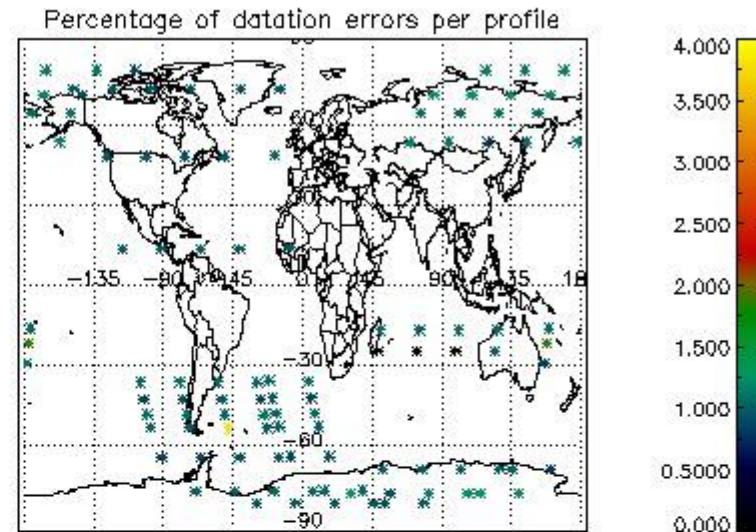
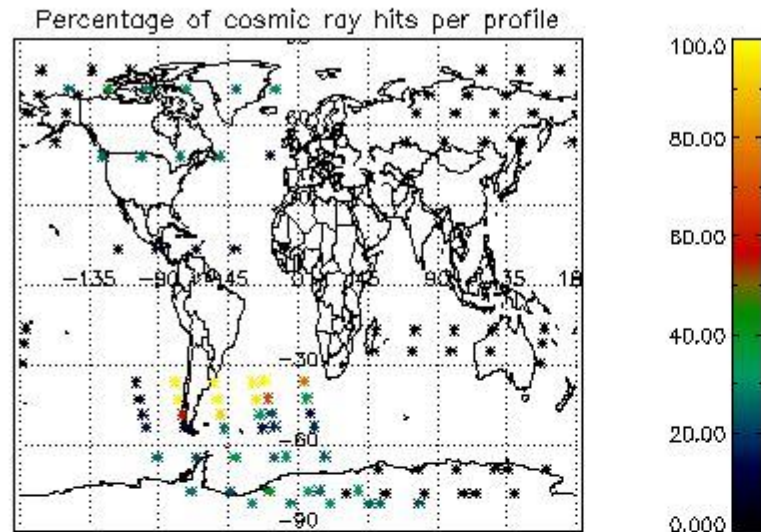
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	37.0370 %
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)

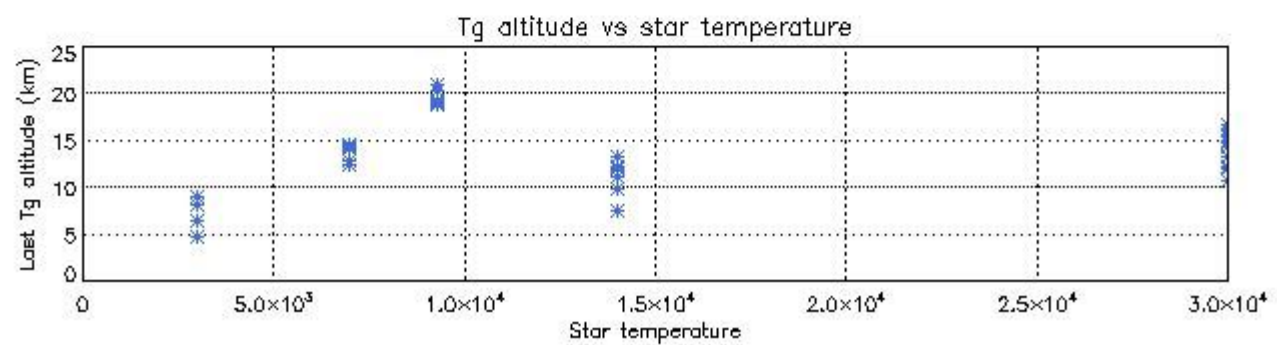
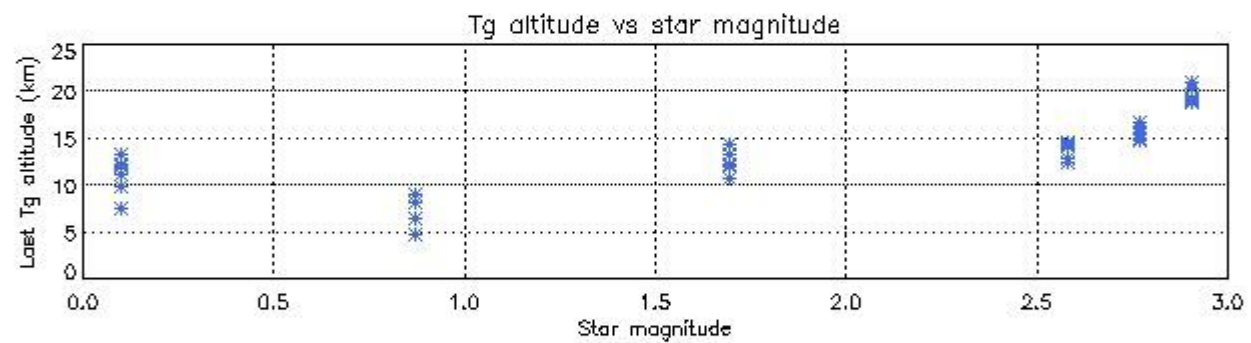
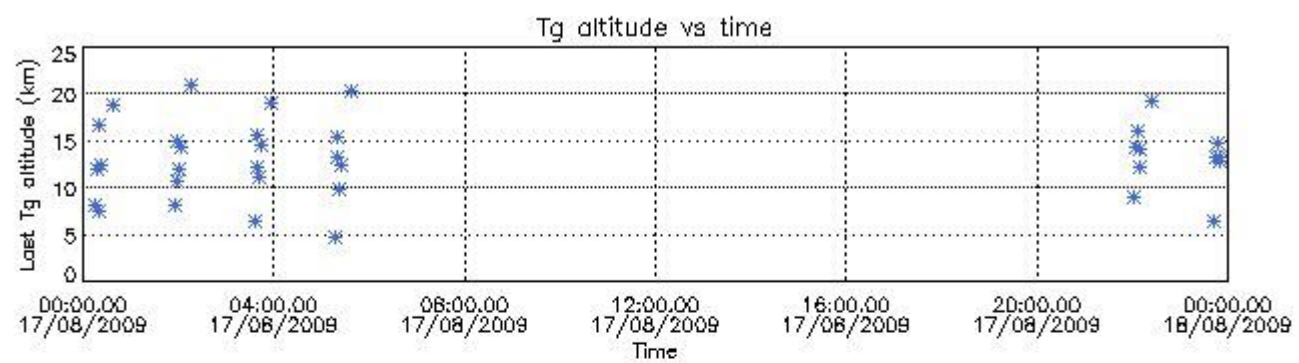
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.039	17.354	NaN
St. deviation:	4.0113	5.7583	NaN
Maximum:	20.988	28.818	NaN
Minimum:	4.6229	3.5981	NaN
Number of data:	35.000	48.000	NaN

### 6.2 Plot for DARK limb products

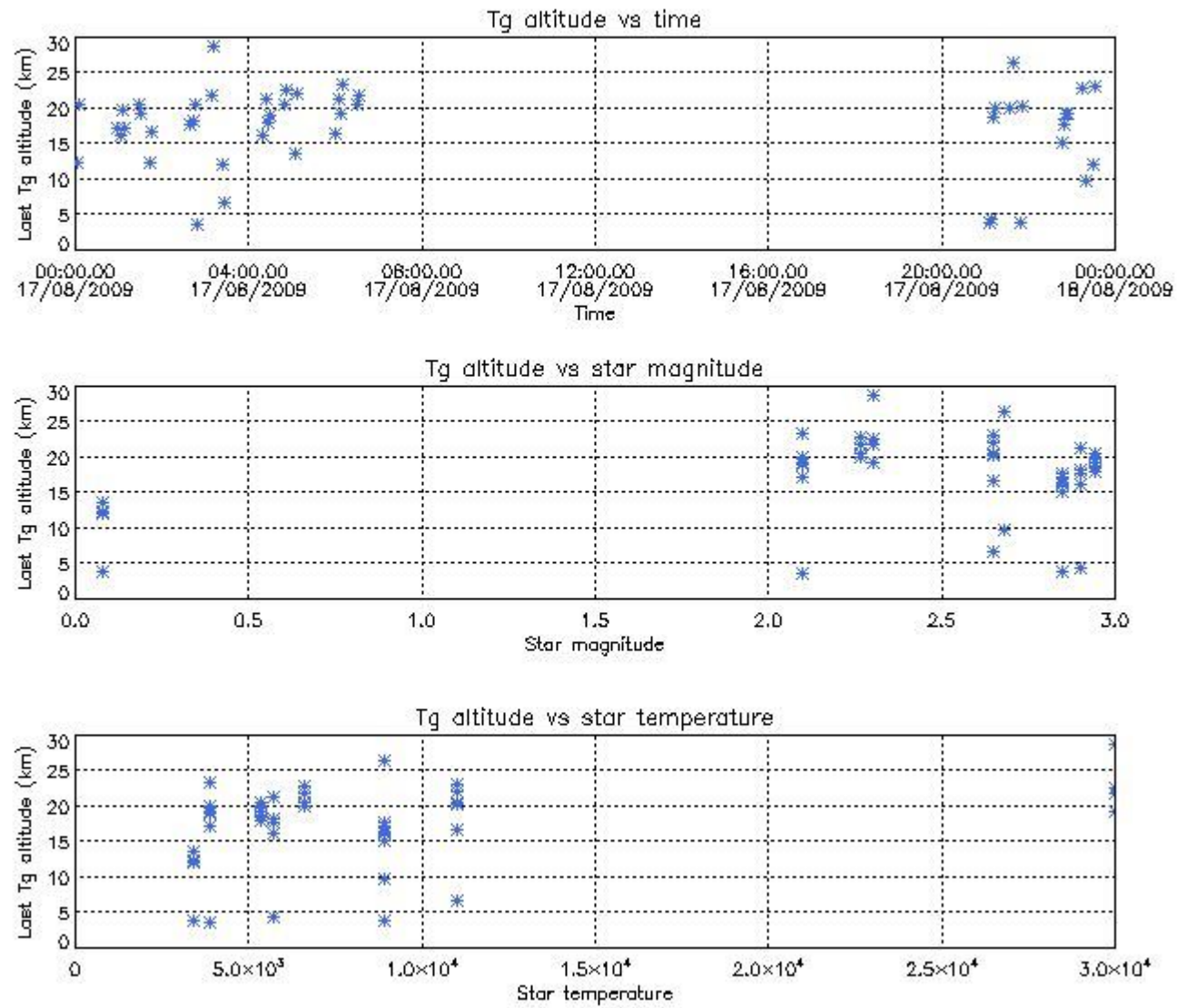


Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost

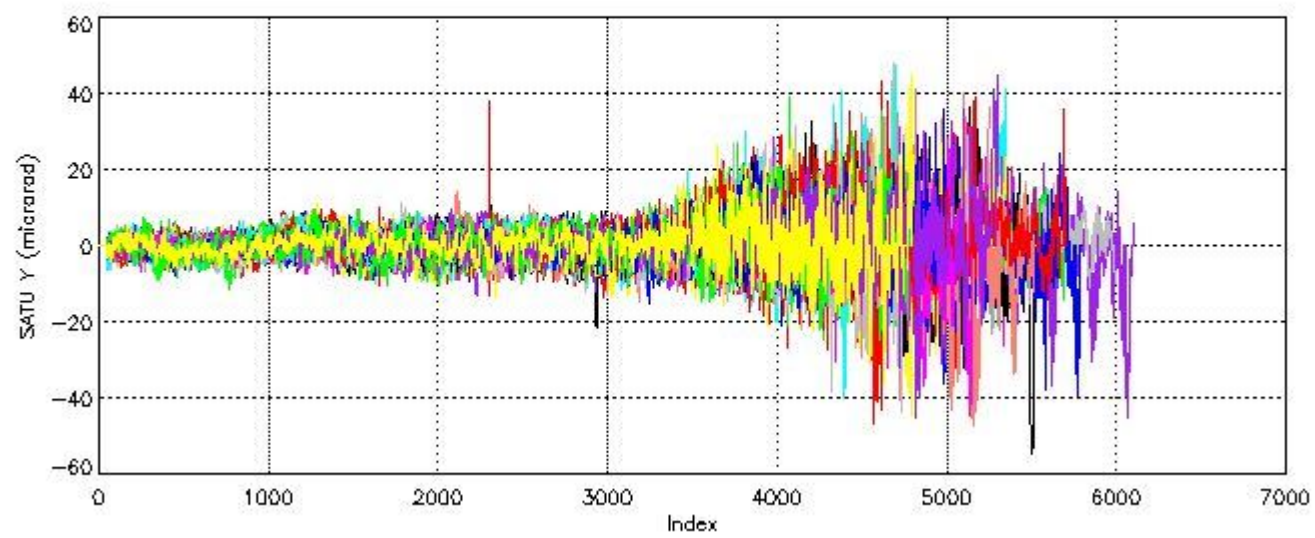
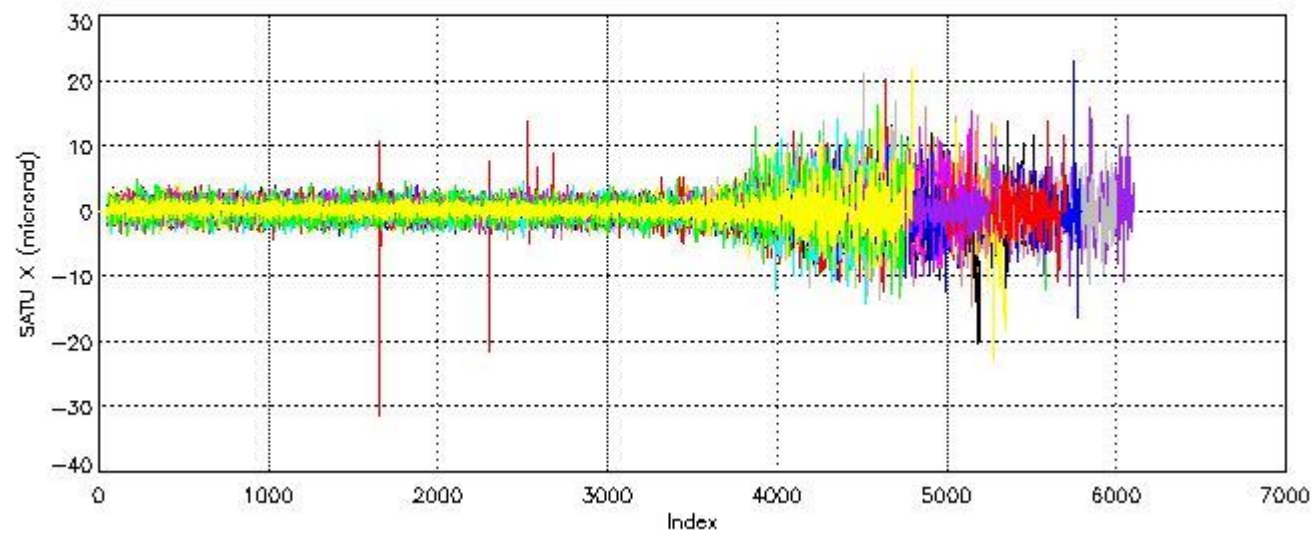


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.18324	-0.54003	0.32200	-0.55452
St. deviation:	0.61214	1.6908	0.76542	1.8135
Maximum:	4.7000	7.5000	4.5000	10.200
Minimum:	-3.8000	-11.800	-3.8000	-10.700

Number of data:	37700.	37700.	49100.	49100.
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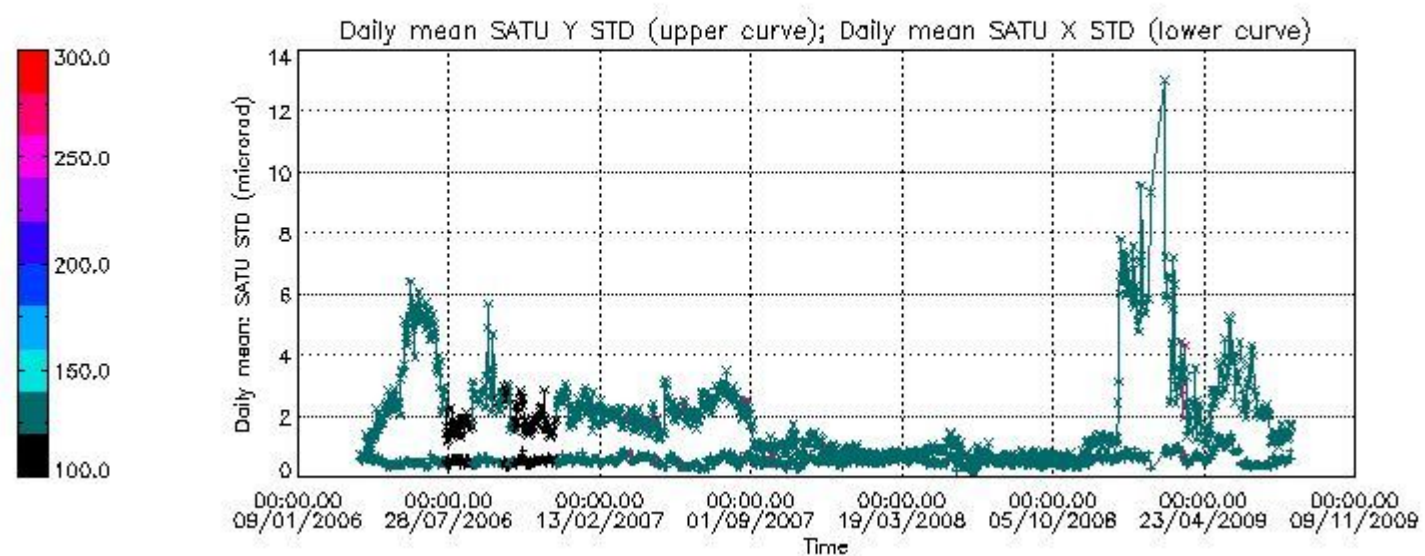
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

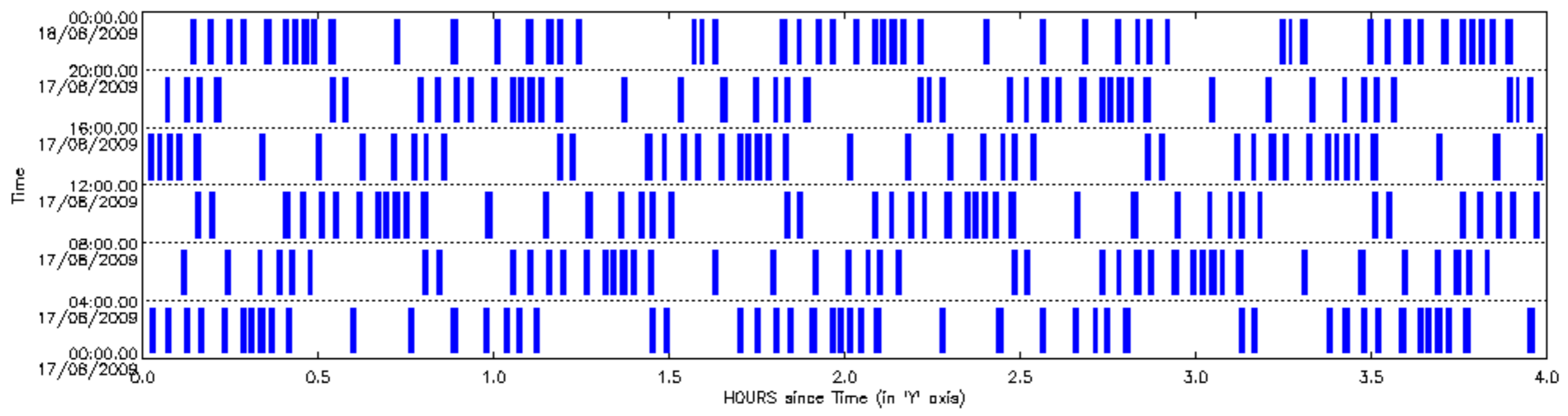
Lower curve: STD of SATU X axis

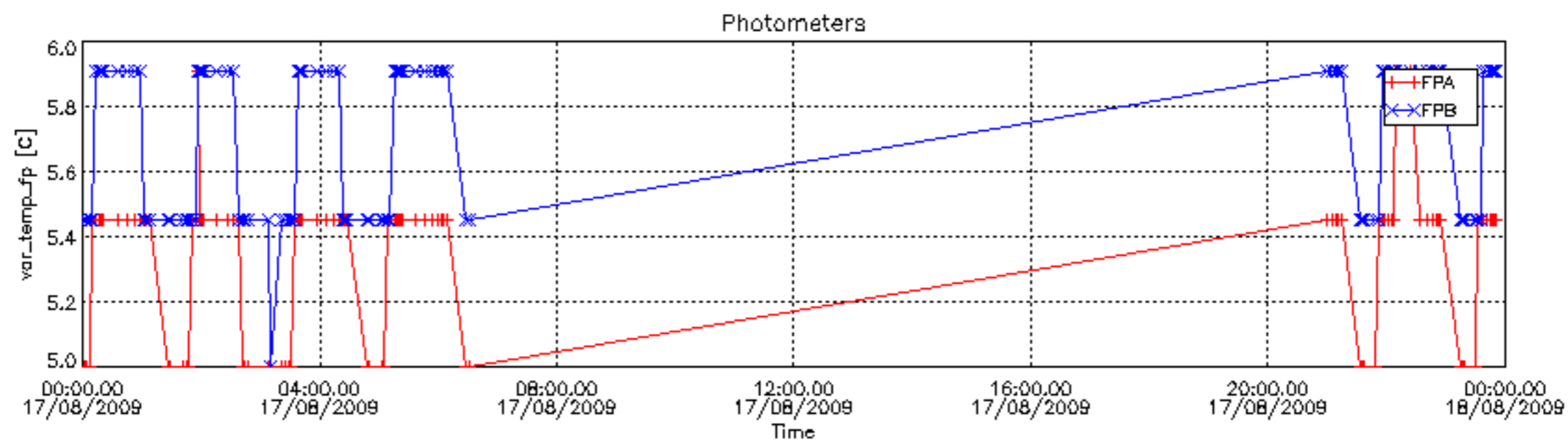
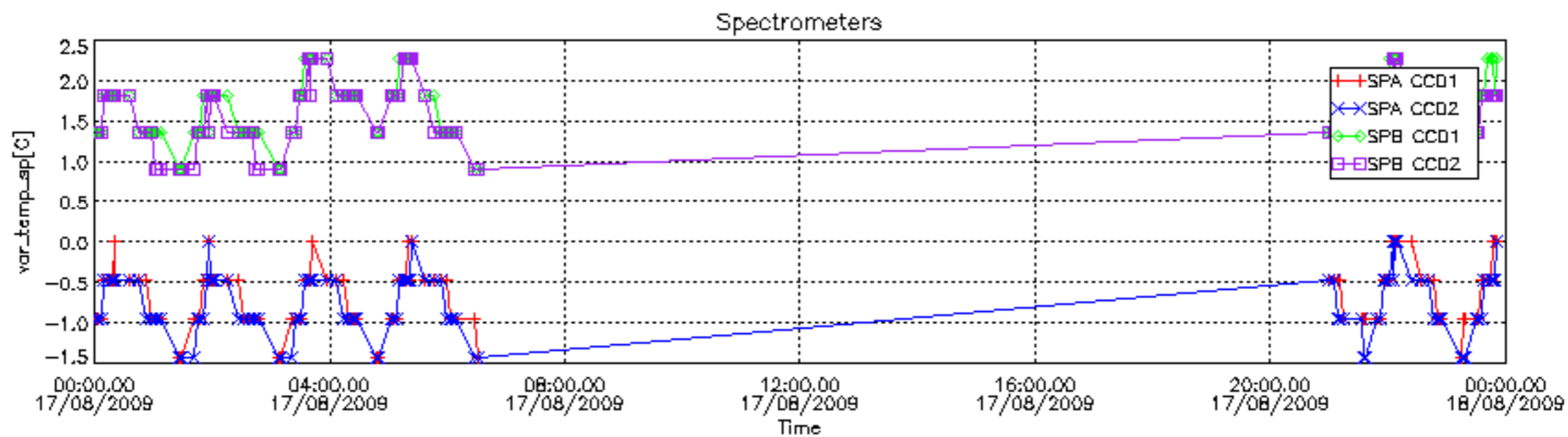


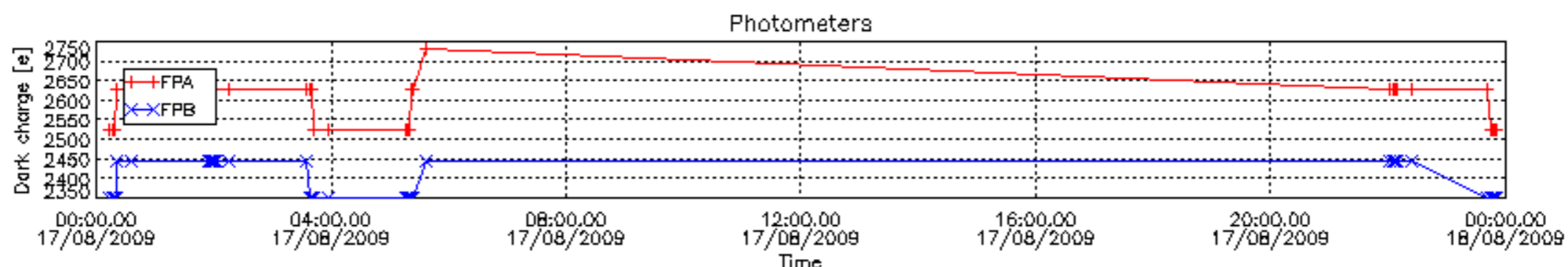
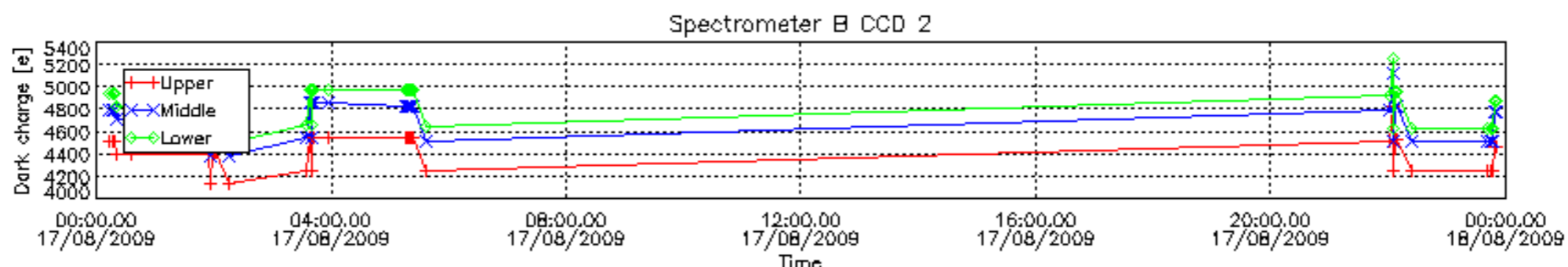
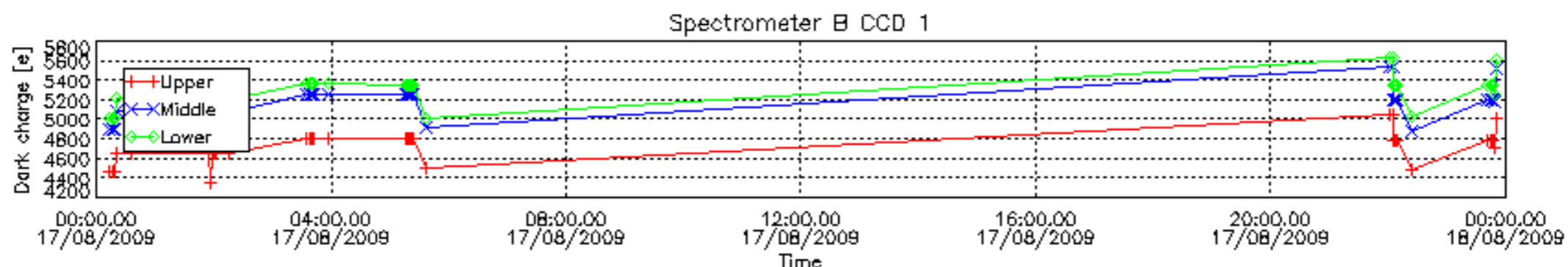
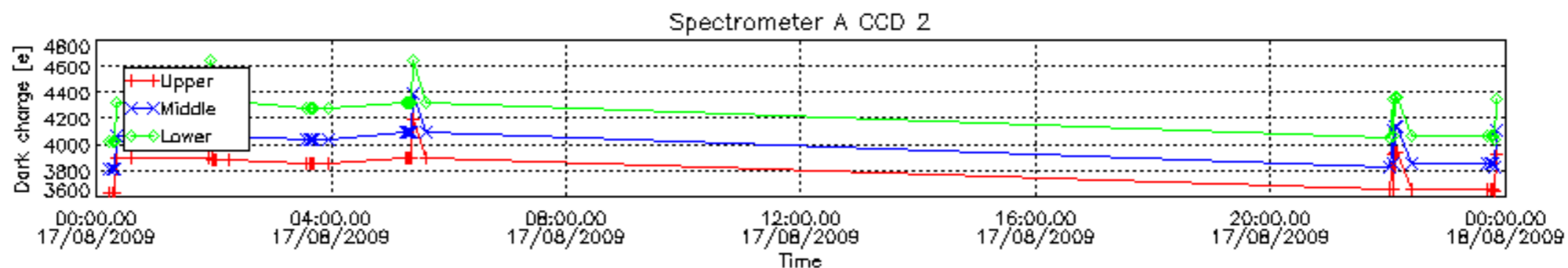
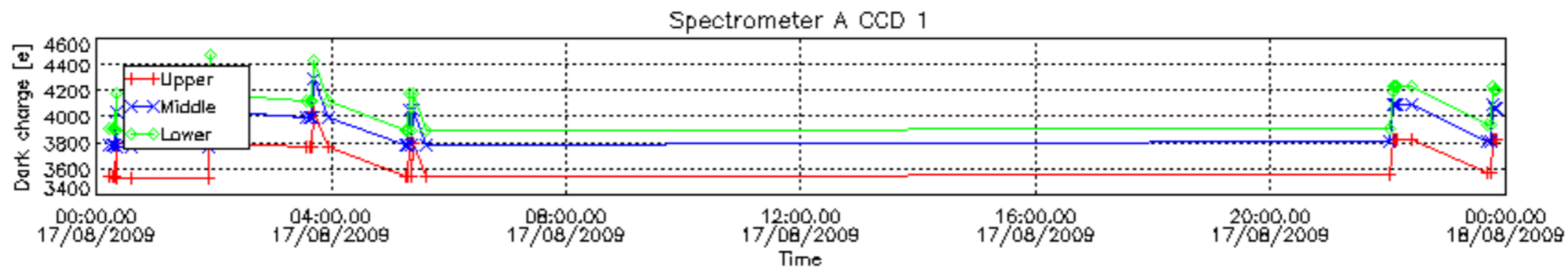
### 8. Auxiliary Data Files used for the production reported in section 2.4

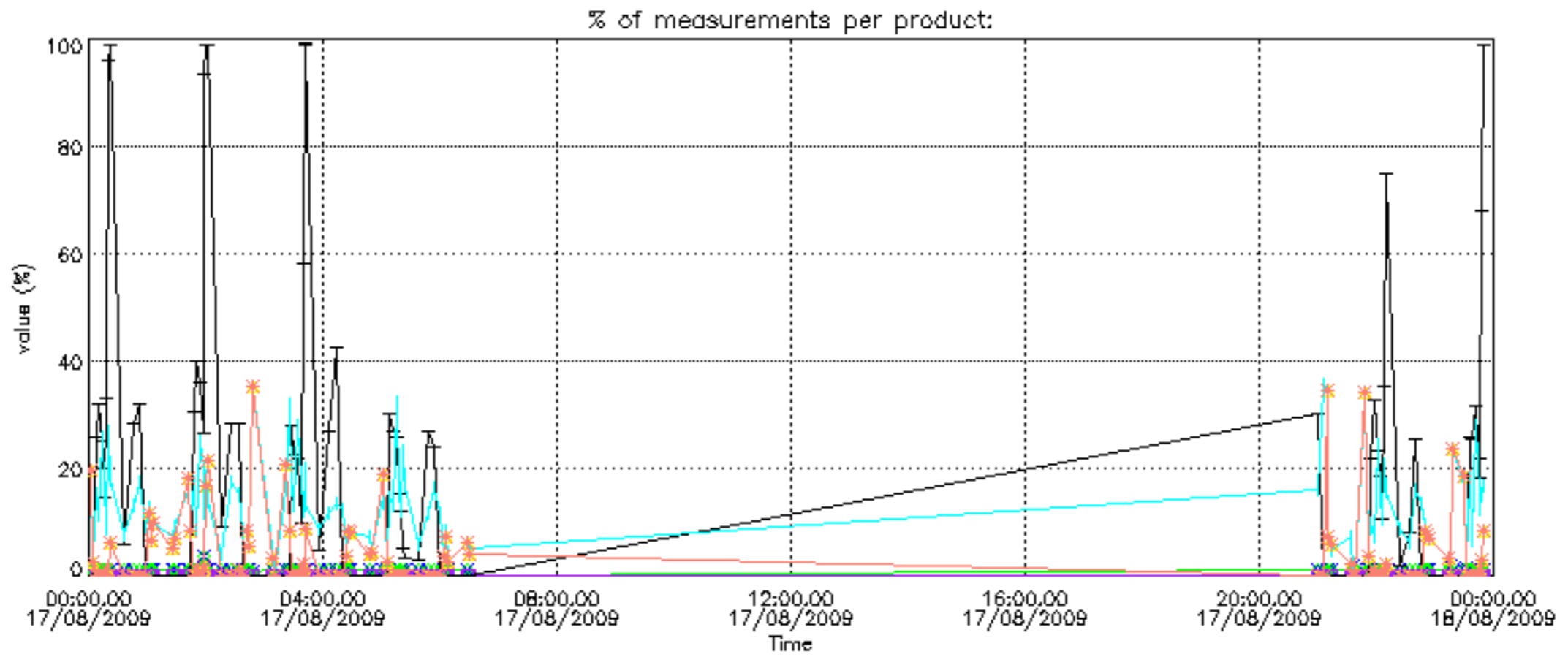
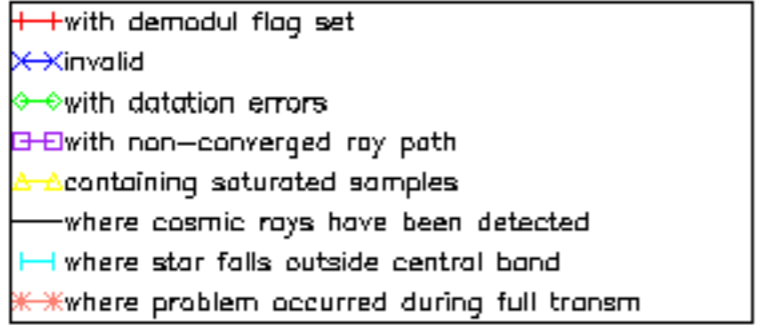
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	17-AUG-2009 00:01:06
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20090811_154222_20090809_000000_20100101_000000	1	17-AUG-2009 00:01:06
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	17-AUG-2009 00:01:06
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	17-AUG-2009 00:01:06
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	17-AUG-2009 00:01:06
ECMWF_FILE	AUX_ECF_AXNECM20090816_064113_20090816_210000_20090817_090000	1	17-AUG-2009 00:01:06
ECMWF_FILE	AUX_ECF_AXNECM20090816_184112_20090817_030000_20090817_150000	37	17-AUG-2009 03:22:18
ECMWF_FILE	AUX_ECF_AXNECM20090817_062113_20090817_210000_20090818_090000	73	17-AUG-2009 21:00:03
OPTIONAL_ECMWF_FILE	MISSING	1	17-AUG-2009 00:01:06
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090816_204744_000063762081_00386_39017_8570.N1	1	17-AUG-2009 00:01:06
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090816_223919_000054192081_00387_39018_8571.N1	8	17-AUG-2009 00:19:47
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090817_001457_000057382081_00388_39019_8572.N1	24	17-AUG-2009 01:57:21
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090817_015554_000044632081_00389_39020_8573.N1	37	17-AUG-2009 03:22:18
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090817_031536_000054192081_00390_39021_8574.N1	55	17-AUG-2009 05:02:53
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090817_205255_000038252081_00401_39032_8576.N1	73	17-AUG-2009 21:00:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090817_220159_000060572081_00401_39032_8577.N1	107	17-AUG-2009 23:48:21



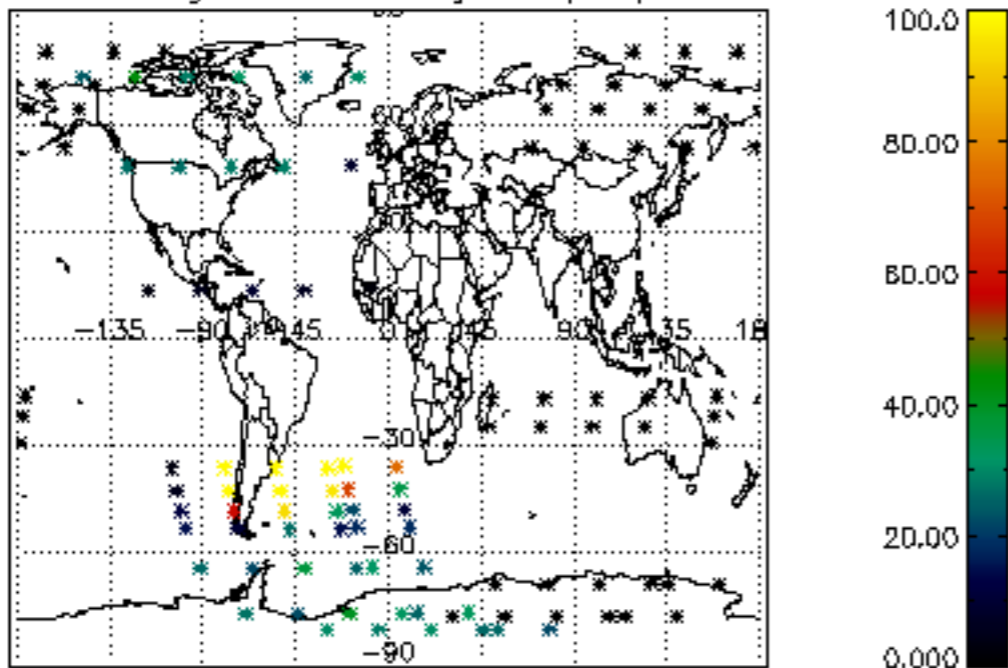




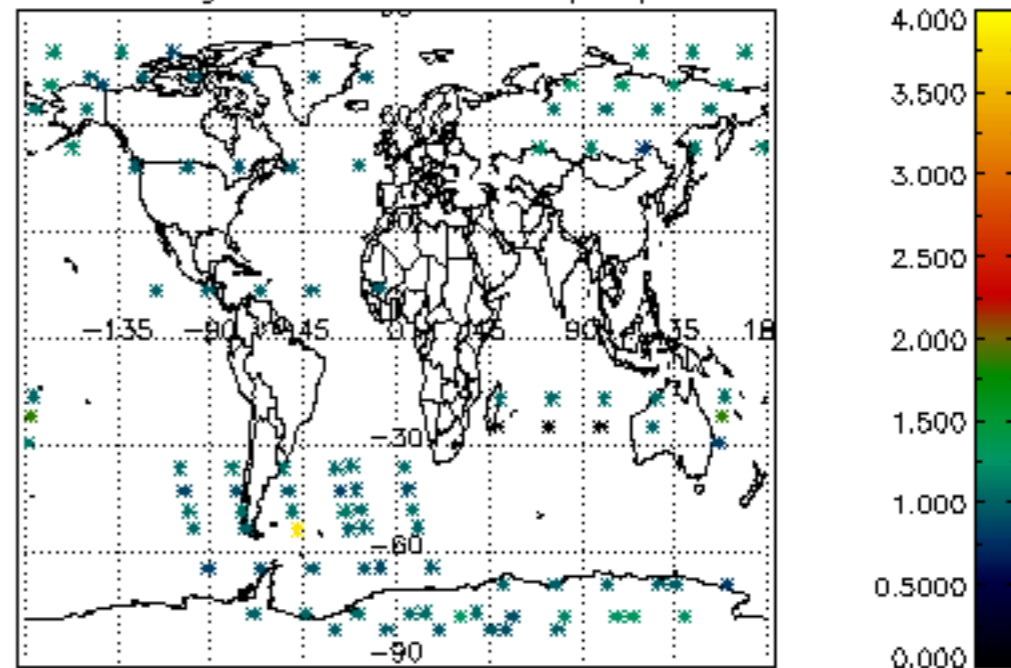




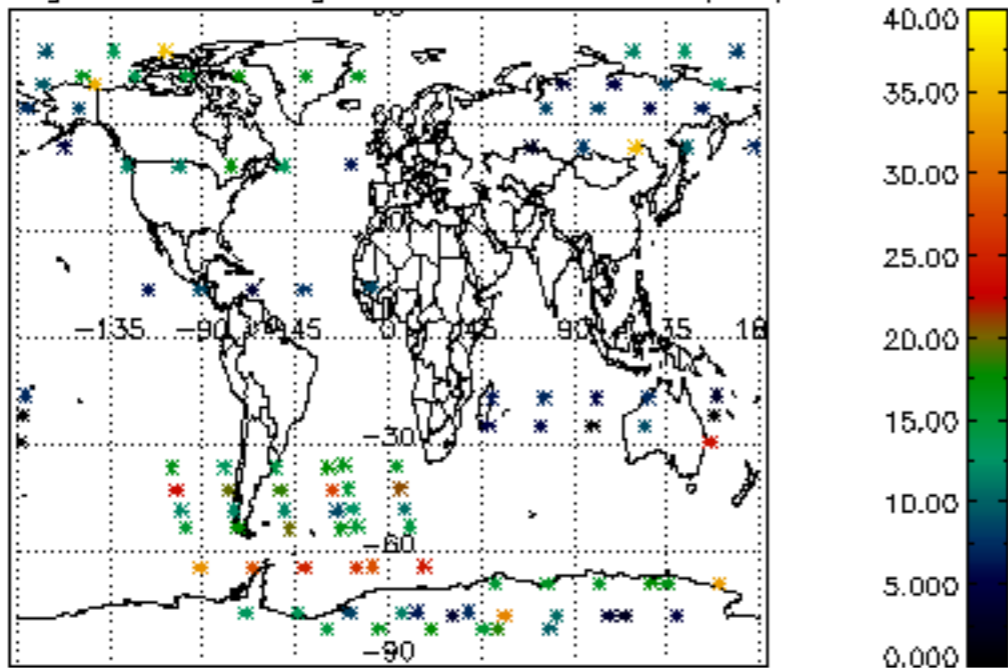
Percentage of cosmic ray hits per profile



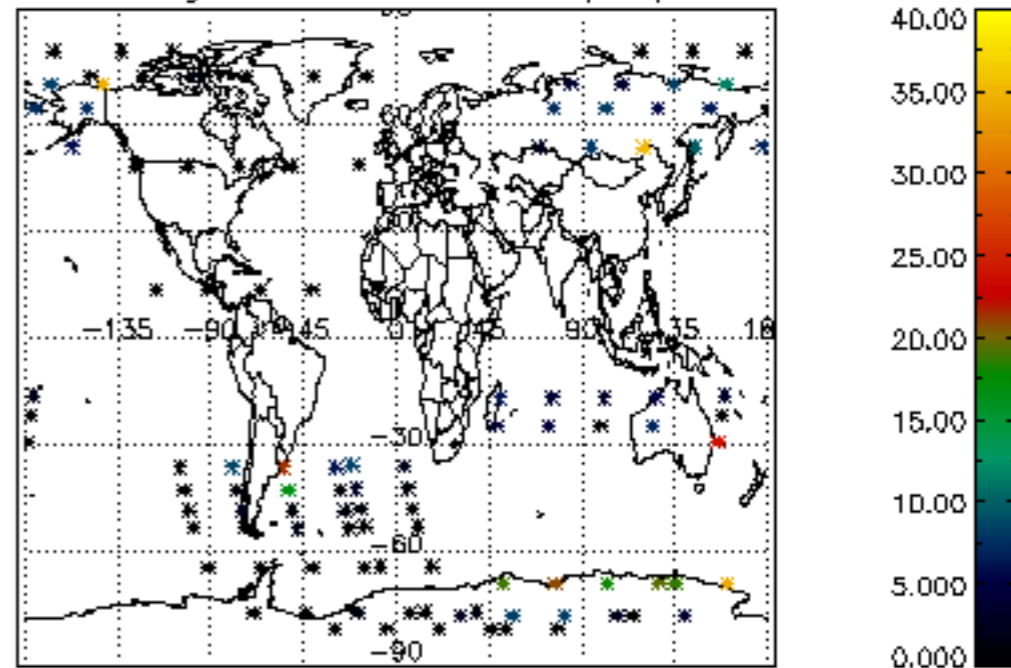
Percentage of datation errors per profile



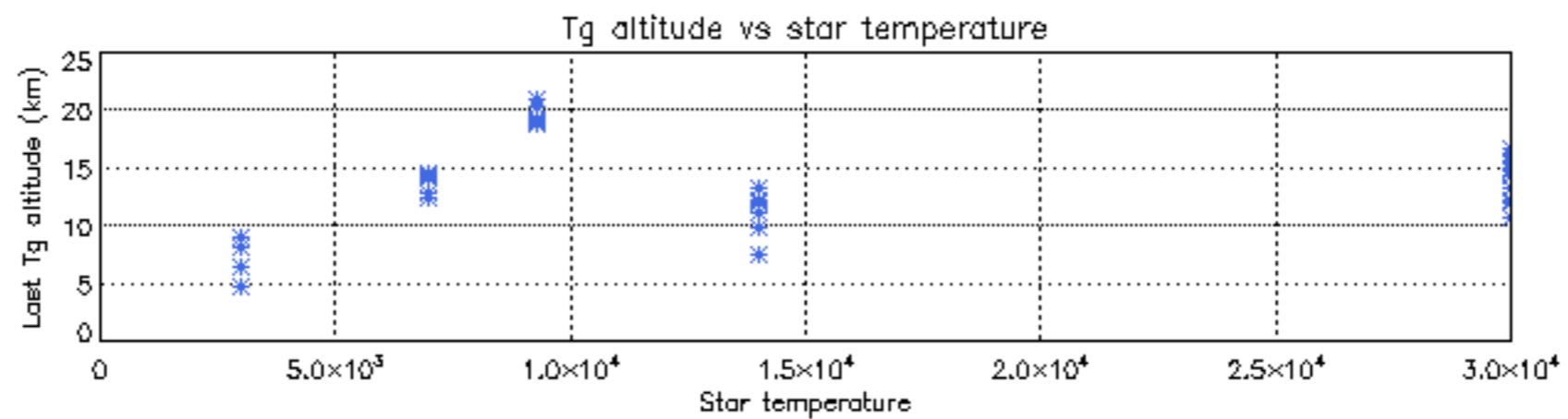
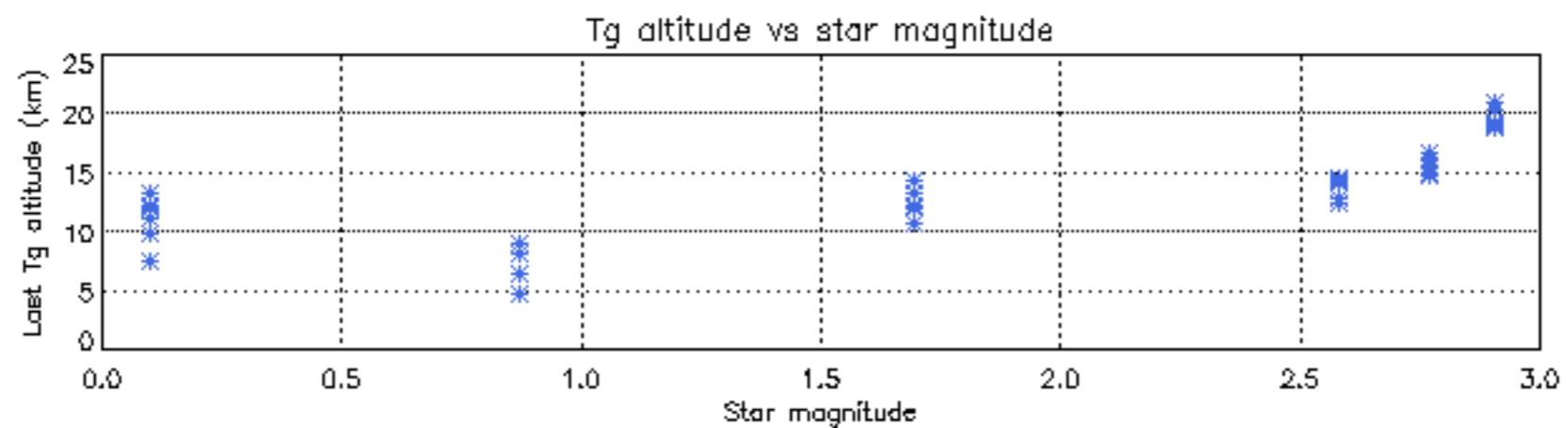
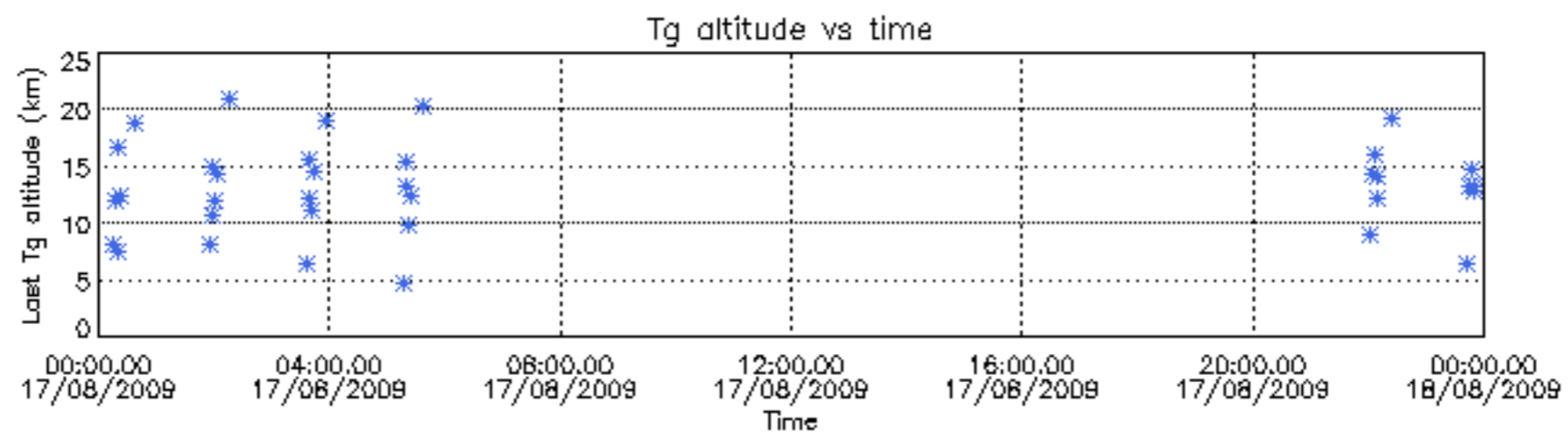
Percentage of star falling outside central band per profile



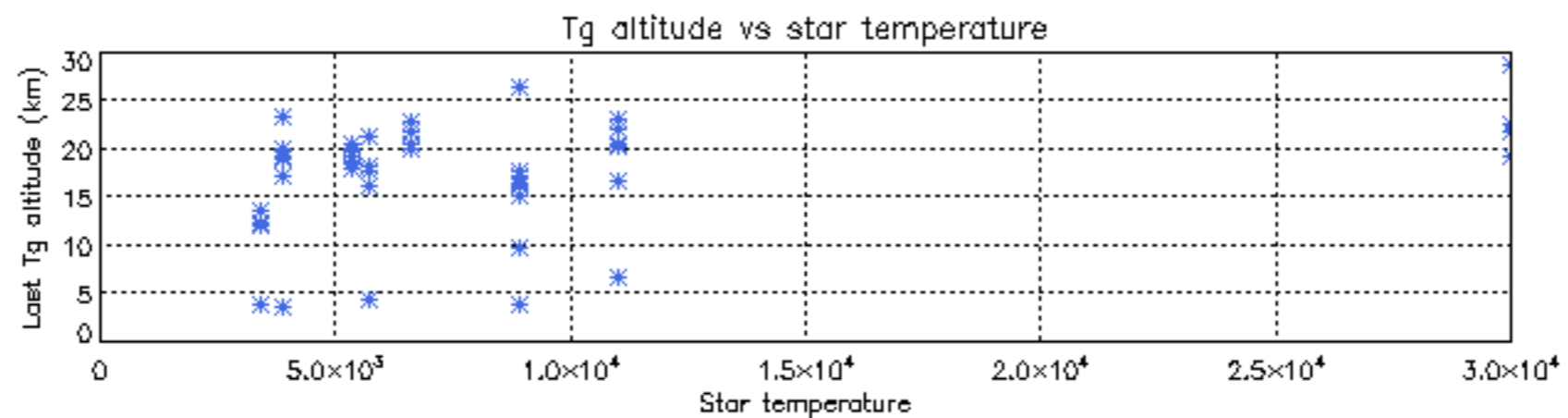
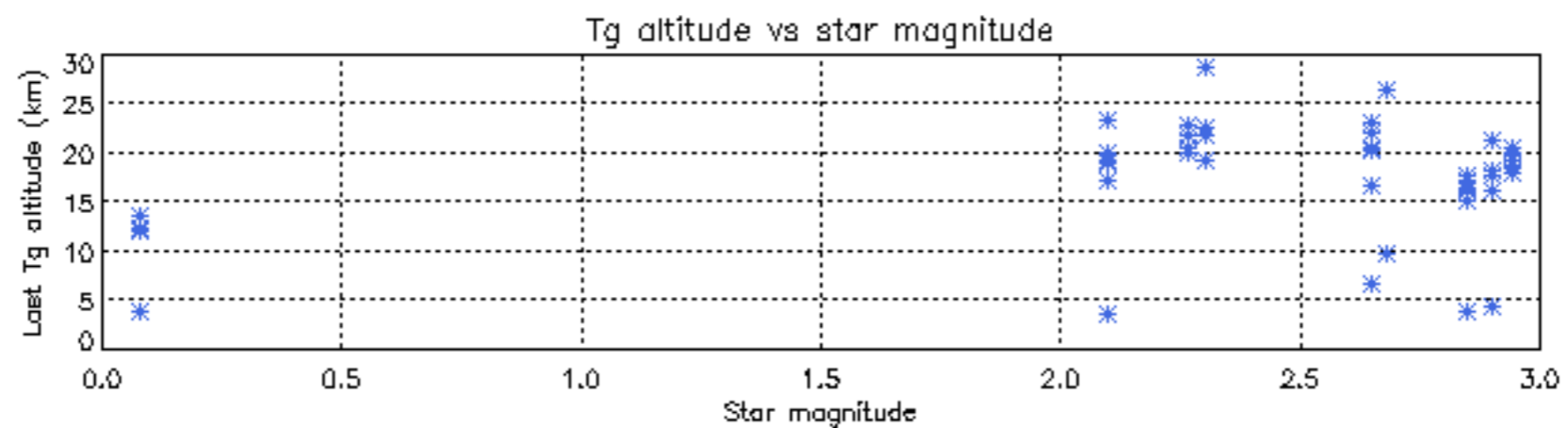
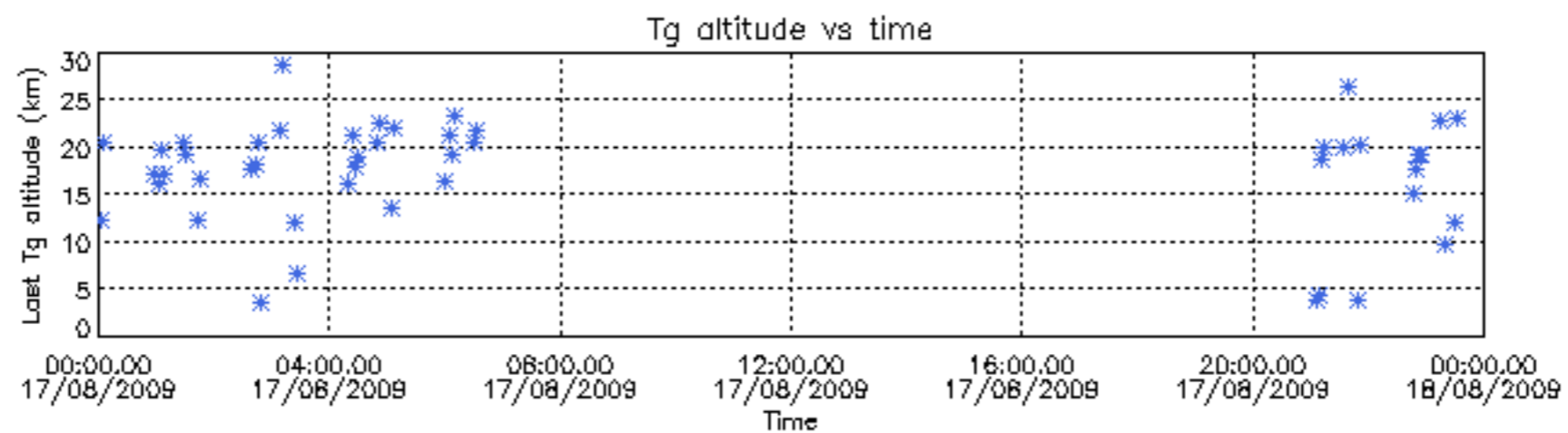
Percentage of saturation errors per profile

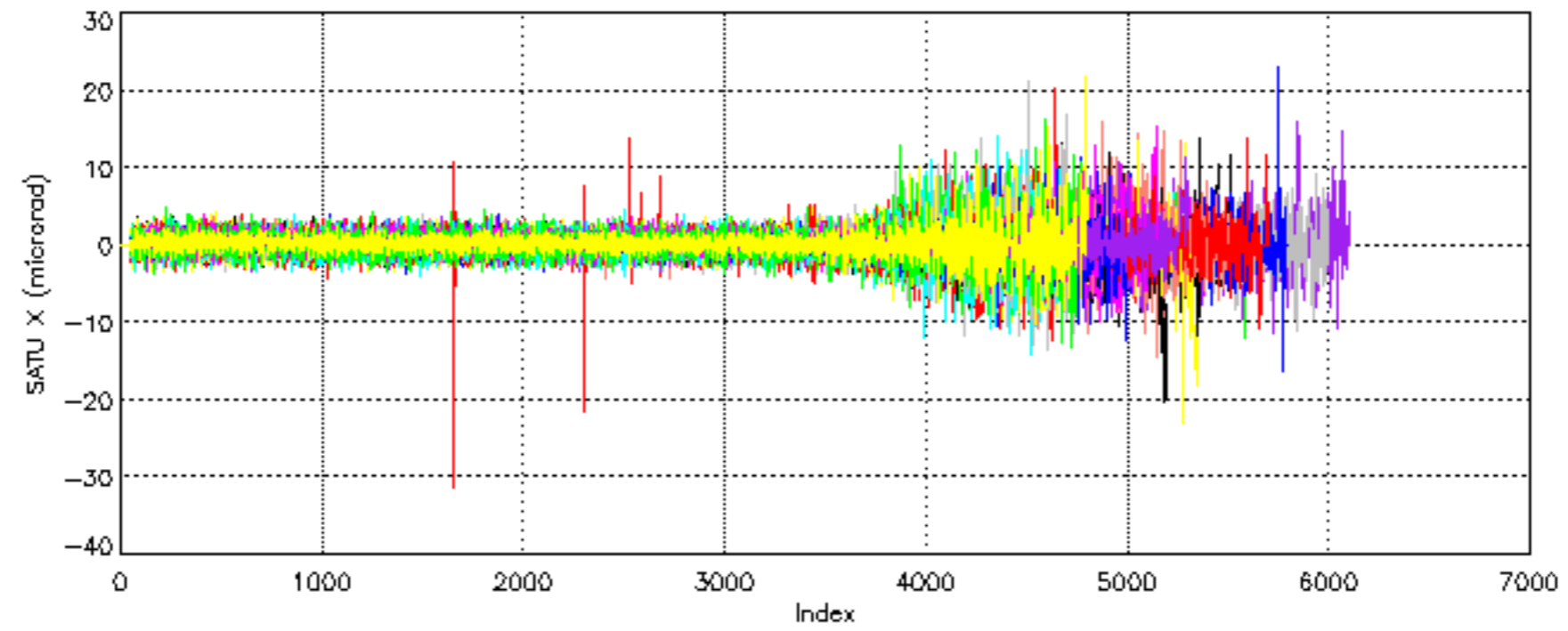


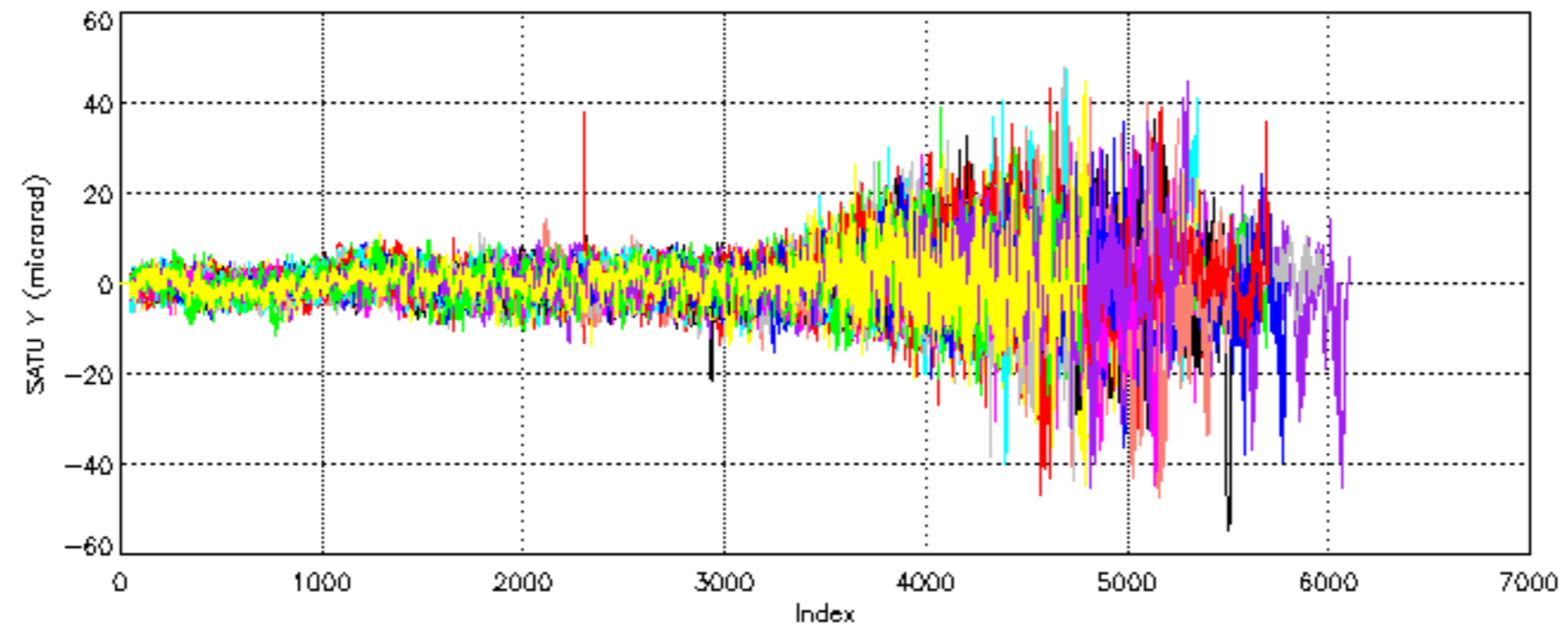
Tangent altitude at which the star is lost

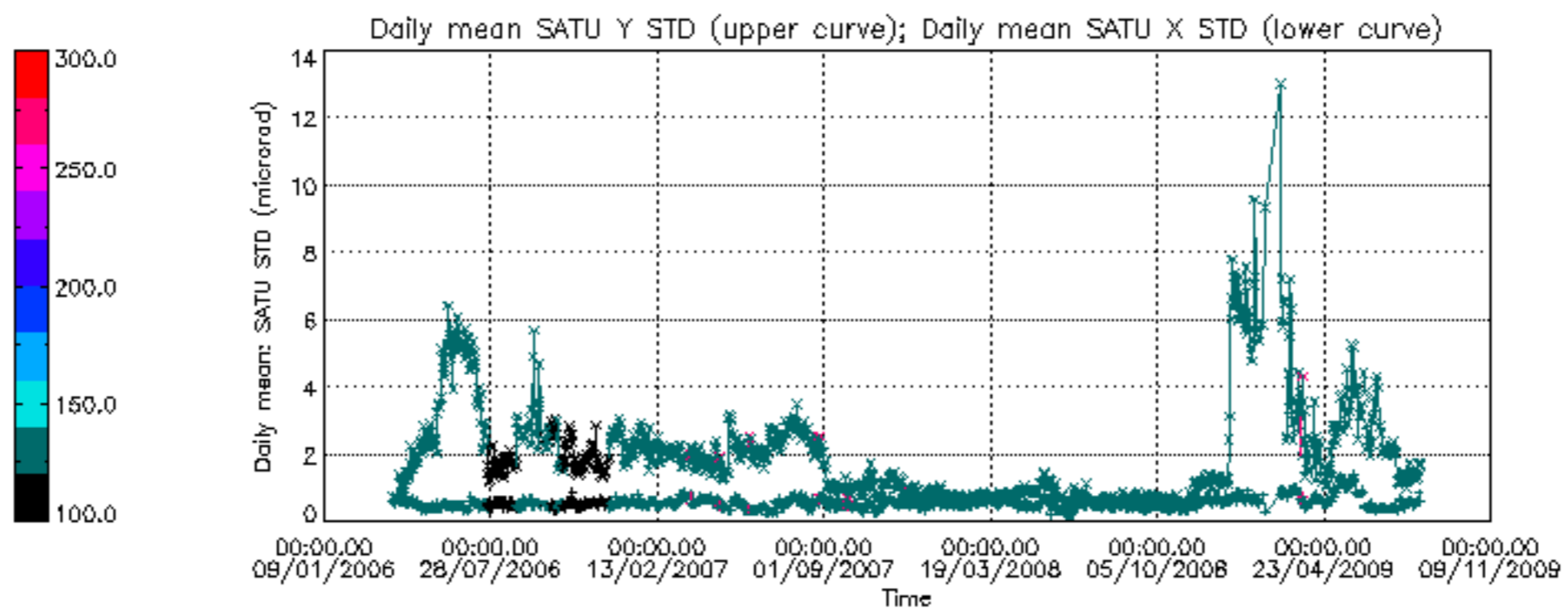


Tangent altitude at which the star is lost









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12; 3478.8; 01-AUG-2009 01:32:41; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38791
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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
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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
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 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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4; 2547.6; 05-AUG-2009 19:17:53; Bright; 42.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 84; 0;38859
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 11; 4200.4; 07-AUG-2009 10:19:12; Bright; 46.5; 6; 13Alp Aur ; 0.08; 3400;occ; 93; 0;38882  
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 8; 3531.3; 07-AUG-2009 11:48:39; Bright; 72.0; 76; 27Gam Cas ; 2.30; 30000;occ; 144; 0;38883  
 9; 3941.6; 07-AUG-2009 11:55:29; Bright; 73.0; 160; 23Gam Per ; 2.93; 4700;occ; 146; 0;38883  
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 3; 2167.3; 07-AUG-2009 13:06:31; Bright; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;38884  
 4; 2537.7; 07-AUG-2009 13:12:41; Bright; 41.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 82; 0;38884  
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 5; 2537.2; 07-AUG-2009 16:33:52; Bright; 39.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 78; 0;38886
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15; 4531.2; 07-AUG-2009 20:28:18; Dark ; 47.0; 28; 12Bet Tau ; 1.65; 15200;occ; 94; 0;38888
16; 4662.1; 07-AUG-2009 20:30:29; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38888
17; 4832.6; 07-AUG-2009 20:33:20; Dark ; 61.0; 13; 87Alp Tau ; 0.87; 3800;occ; 122; 0;38888
18; 4947.3; 07-AUG-2009 20:35:15; Dark ; 45.5; 27; 24Gam Ori ; 1.64; 26000;occ; 91; 0;38888
19; 5222.4; 07-AUG-2009 20:39:50; Dark ; 54.0; 7; 19Bet Ori ; 0.10; 14000;occ; 108; 0;38888
20; 5807.6; 07-AUG-2009 20:49:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38888
21; 6112.1; 07-AUG-2009 20:54:39; Dark ; 48.0; 157; The1Eri ; 2.91; 9300;occ; 96; 0;38888
22; 6729.4; 07-AUG-2009 21:04:57; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;38888
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
5; 1195.7; 08-AUG-2009 00:34:31; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;38891
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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 2; -225.9; 08-AUG-2009 01:51:25; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38891  
 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  
 6; 1196.2; 08-AUG-2009 02:15:07; Dark ; 59.0; 18; 24Alp PsA ; 1.17; 9700;occ; 118; 0;38892  
 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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 2;-1990.0; 08-AUG-2009 04:43:13; Bright; 51.0; 35; 33Alp Per ; 1.79; 6250;occ; 102; 0;38893  
 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  
 6;-1372.8; 08-AUG-2009 04:53:30; Dark ; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;38893  
 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  
 20; 2724.8; 08-AUG-2009 06:01:48; Bright; 41.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 82; 0;38894  
 21; 3051.0; 08-AUG-2009 06:07:14; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38894  
 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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4; 2156.9; 08-AUG-2009 20:57:43; Bright; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;38903
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
14; 4533.8; 08-AUG-2009 21:37:20; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38903
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
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18; 4199.7; 08-AUG-2009 23:12:22; Bright; 58.0; 6; 13Alp Aur ; 0.08; 3400;occ; 116; 0;38904
19; 4308.0; 08-AUG-2009 23:14:10; Bright; 52.0; 149; 45Eps Per ; 2.89; 30000;occ; 104; 0;38904
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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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24; 5232.0; 08-AUG-2009 23:29:34; Dark ; 50.0; 7; 19Bet Ori ; 0.10; 14000;occ; 100; 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
7; 1203.4; 09-AUG-2009 00:03:01; Dark ; 57.0; 18; 24Alp PsA ; 1.17; 9700;occ; 114; 0;38905
8; 1581.1; 09-AUG-2009 00:09:19; Bright; 46.5; 142; 49Del Cap ; 2.85; 8900;occ; 93; 0;38905
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
11; 2530.6; 09-AUG-2009 00:25:09; Bright; 41.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 82; 0;38905
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
17; 4041.2; 09-AUG-2009 00:50:19; Bright; 51.0; 35; 33Alp Per ; 1.79; 6250;occ; 102; 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
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 16; 4964.9; 10-AUG-2009 13:58:53; Dark ; 47.0; 27; 24Gam Ori ; 1.64; 26000;occ; 94; 0;38927  
 17; 5072.4; 10-AUG-2009 14:00:41; Dark ; 40.5; 72; 34Del Ori ; 2.25; 30000;occ; 81; 0;38927

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 7; 2714.0; 10-AUG-2009 16:42:34; Bright; 38.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 76; 0;38929
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 9; 3367.4; 10-AUG-2009 16:53:28; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38929
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11; 3919.5; 10-AUG-2009 17:02:40; Bright; 75.0; 160; 23Gam Per ; 2.93; 4700;occ; 150; 0;38929
12; 4031.6; 10-AUG-2009 17:04:32; Bright; 52.0; 35; 33Alp Per ; 1.79; 6250;occ; 104; 0;38929
13; 4198.8; 10-AUG-2009 17:07:19; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;38929
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 3; 1804.2; 10-AUG-2009 16:27:24; Bright; 64.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 128; 0;38929
 4; 1946.3; 10-AUG-2009 16:29:46; Bright; 25.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 50; 0;38929
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 14; 4305.5; 10-AUG-2009 17:09:06; Bright; 38.0; 149; 45Eps Per ; 2.89; 30000;occ; 76; 0;38929  
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 17; 4854.6; 10-AUG-2009 17:18:15; Dark ; 66.0; 13; 87Alp Tau ; 0.87; 3800;occ; 132; 0;38929  
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 4; 1945.9; 10-AUG-2009 18:10:22; Bright; 31.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 62; 0;38930  
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10; -420.5; 11-AUG-2009 03:34:31; Dark ; 66.5; 165; 34Gam Eri ; 2.95; 3200;occ; 133; 0;38935
11; -188.3; 11-AUG-2009 03:38:23; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38935
12; 128.0; 11-AUG-2009 03:43:40; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38936
13; 738.1; 11-AUG-2009 03:53:50; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;38936
14; 1219.3; 11-AUG-2009 04:01:51; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;38936
15; 1584.4; 11-AUG-2009 04:07:56; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38936
16; 1803.6; 11-AUG-2009 04:11:35; Bright; 45.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 90; 0;38936
17; 1943.7; 11-AUG-2009 04:13:55; Bright; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;38936
18; 2140.9; 11-AUG-2009 04:17:12; Bright; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;38936
19; 2520.3; 11-AUG-2009 04:23:32; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38936
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21; 3037.0; 11-AUG-2009 04:32:09; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38936
22; 3361.8; 11-AUG-2009 04:37:33; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38936
23; 3492.3; 11-AUG-2009 04:39:44; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;38936
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3; -1837.6; 11-AUG-2009 04:51:30; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;38936
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6; -1177.3; 11-AUG-2009 05:02:30; Dark ; 70.5; 13; 87Alp Tau ; 0.87; 3800;occ; 141; 0;38936
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12; 129.0; 11-AUG-2009 05:24:17; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;38937
13; 738.9; 11-AUG-2009 05:34:26; Dark ; 57.0; 84; Alp Phe ; 2.40; 4500;occ; 114; 0;38937
14; 1220.0; 11-AUG-2009 05:42:28; Dark ; 53.0; 18; 24Alp PsA ; 1.17; 9700;occ; 106; 0;38937
15; 1584.4; 11-AUG-2009 05:48:32; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38937
16; 1803.6; 11-AUG-2009 05:52:11; Bright; 45.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 91; 0;38937
17; 1943.4; 11-AUG-2009 05:54:31; Bright; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;38937
18; 2140.3; 11-AUG-2009 05:57:48; Bright; 48.0; 61; 8Eps Peg ; 2.10; 3900;occ; 96; 0;38937
19; 2520.3; 11-AUG-2009 06:04:08; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38937
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22; 3361.1; 11-AUG-2009 06:18:09; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38937
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2; 1585.4; 11-AUG-2009 20:53:56; Bright; 54.0; 142; 49Del Cap ; 2.85; 8900;occ; 108; 0;38946
3; 1802.7; 11-AUG-2009 20:57:34; Bright; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;38946

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5; 2136.5; 11-AUG-2009 21:03:08; Bright; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;38946  
6; 2517.3; 11-AUG-2009 21:09:28; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38946  
7; 2709.2; 11-AUG-2009 21:12:40; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38946  
8; 3033.8; 11-AUG-2009 21:18:05; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38946  
9; 3353.7; 11-AUG-2009 21:23:25; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38946  
10; 3484.7; 11-AUG-2009 21:25:36; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38946  
11; 3910.7; 11-AUG-2009 21:32:42; Bright; 59.5; 160; 23Gam Per ; 2.93; 4700;occ; 119; 0;38946  
12; 4024.1; 11-AUG-2009 21:34:35; Bright; 42.0; 35; 33Alp Per ; 1.79; 6250;occ; 84; 0;38946  
13; 4098.3; 11-AUG-2009 21:35:49; Bright; 50.0; 175; 39Del Per ; 3.01; 19400;occ; 100; 0;38946  
14; 4541.6; 11-AUG-2009 21:43:13; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38946  
15; 4677.2; 11-AUG-2009 21:45:28; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38946  
16; 4864.4; 11-AUG-2009 21:48:35; Dark ; 69.5; 13; 87Alp Tau ; 0.87; 3800;occ; 139; 0;38946  
17; 4974.2; 11-AUG-2009 21:50:25; Dark ; 49.5; 27; 24Gam Ori ; 1.64; 26000;occ; 99; 0;38946  
18; 5089.9; 11-AUG-2009 21:52:21; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;38946  
19; 5173.2; 11-AUG-2009 21:53:44; Dark ; 43.5; 125; 44Iot Ori ; 2.77; 30000;occ; 87; 0;38946  
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4; 140.4; 11-AUG-2009 22:10:27; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;38947  
5; 748.0; 11-AUG-2009 22:20:35; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;38947  
6; 1224.8; 11-AUG-2009 22:28:32; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;38947  
7; 1585.3; 11-AUG-2009 22:34:32; Bright; 45.5; 142; 49Del Cap ; 2.85; 8900;occ; 91; 0;38947  
8; 1802.8; 11-AUG-2009 22:38:10; Bright; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;38947  
9; 1939.9; 11-AUG-2009 22:40:27; Bright; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;38947  
10; 2136.3; 11-AUG-2009 22:43:43; Bright; 48.5; 61; 8Eps Peg ; 2.10; 3900;occ; 97; 0;38947  
11; 2517.3; 11-AUG-2009 22:50:04; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38947  
12; 2709.1; 11-AUG-2009 22:53:16; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38947  
13; 3033.5; 11-AUG-2009 22:58:40; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38947  
14; 3353.0; 11-AUG-2009 23:04:00; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38947  
15; 3483.9; 11-AUG-2009 23:06:11; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38947  
16; 3910.2; 11-AUG-2009 23:13:17; Bright; 53.0; 160; 23Gam Per ; 2.93; 4700;occ; 106; 0;38947  
17; 4023.6; 11-AUG-2009 23:15:11; Bright; 42.0; 35; 33Alp Per ; 1.79; 6250;occ; 84; 0;38947  
18; 4098.0; 11-AUG-2009 23:16:25; Bright; 64.0; 175; 39Del Per ; 3.01; 19400;occ; 128; 0;38947  
19; 4541.8; 11-AUG-2009 23:23:49; Dark ; 48.5; 28; 12Bet Tau ; 1.65; 15200;occ; 97; 0;38947  
20; 4677.4; 11-AUG-2009 23:26:04; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;38947  
21; 4864.9; 11-AUG-2009 23:29:12; Dark ; 74.5; 13; 87Alp Tau ; 0.87; 3800;occ; 149; 0;38947  
22; 4974.7; 11-AUG-2009 23:31:02; Dark ; 50.5; 27; 24Gam Ori ; 1.64; 26000;occ; 101; 0;38947  
23; 5090.4; 11-AUG-2009 23:32:57; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;38947  
24; 5173.7; 11-AUG-2009 23:34:21; Dark ; 45.5; 125; 44Iot Ori ; 2.77; 30000;occ; 91; 0;38947  
25; 5259.4; 11-AUG-2009 23:35:46; Dark ; 61.0; 7; 19Bet Ori ; 0.10; 14000;occ; 122; 0;38947

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3; 141.4; 11-AUG-2009 23:51:04; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38948  
4; 748.8; 12-AUG-2009 00:01:12; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;38948  
5; 1225.3; 12-AUG-2009 00:09:08; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;38948  
6; 1585.7; 12-AUG-2009 00:15:09; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38948  
7; 1802.4; 12-AUG-2009 00:18:45; Bright; 59.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 119; 0;38948  
8; 1939.6; 12-AUG-2009 00:21:02; Bright; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;38948  
9; 2135.7; 12-AUG-2009 00:24:18; Bright; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 0;38948  
10; 2516.8; 12-AUG-2009 00:30:40; Bright; 36.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 73; 0;38948  
11; 2708.9; 12-AUG-2009 00:33:52; Bright; 35.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 71; 0;38948  
12; 3033.3; 12-AUG-2009 00:39:16; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38948  
13; 3352.1; 12-AUG-2009 00:44:35; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;38948  
14; 3483.2; 12-AUG-2009 00:46:46; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;38948  
15; 3909.6; 12-AUG-2009 00:53:52; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;38948  
16; 4023.4; 12-AUG-2009 00:55:46; Bright; 38.0; 35; 33Alp Per ; 1.79; 6250;occ; 76; 0;38948  
17; 4097.8; 12-AUG-2009 00:57:01; Bright; 75.0; 175; 39Del Per ; 3.01; 19400;occ; 150; 0;38948  
18; 4542.0; 12-AUG-2009 01:04:25; Dark ; 50.5; 28; 12Bet Tau ; 1.65; 15200;occ; 101; 0;38948  
19; 4677.7; 12-AUG-2009 01:06:40; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;38948  
20; 4865.5; 12-AUG-2009 01:09:48; Dark ; 78.0; 13; 87Alp Tau ; 0.87; 3800;occ; 156; 0;38948  
21; 4975.2; 12-AUG-2009 01:11:38; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;38948  
22; 5091.0; 12-AUG-2009 01:13:34; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;38948  
23; 5174.4; 12-AUG-2009 01:14:57; Dark ; 45.0; 125; 44Iot Ori ; 2.77; 30000;occ; 90; 0;38948  
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 3; -1837.6; 11-AUG-2009 06:32:06; Bright; 47.0; 6; 13Alp Aur ; 0.08; 3400;occ; 94; 0;38937  
 4; -1496.0; 11-AUG-2009 06:37:48; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38937  
 5; -1361.3; 11-AUG-2009 06:40:02; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38937  
 6; -1176.7; 11-AUG-2009 06:43:07; Dark ; 69.0; 13; 87Alp Tau ; 0.87; 3800;occ; 138; 0;38937  
 7; -1066.2; 11-AUG-2009 06:44:57; Dark ; 45.5; 27; 24Gam Ori ; 1.64; 26000;occ; 91; 0;38937  
 8; -950.5; 11-AUG-2009 06:46:53; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;38937  
 9; -783.2; 11-AUG-2009 06:49:40; Dark ; 54.0; 7; 19Bet Ori ; 0.10; 14000;occ; 108; 0;38937  
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 12; 130.0; 11-AUG-2009 07:04:54; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38938  
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 14; 1220.4; 11-AUG-2009 07:23:04; Dark ; 57.5; 18; 24Alp PsA ; 1.17; 9700;occ; 115; 0;38938  
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 5; 2711.6; 11-AUG-2009 07:47:55; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38938  
 6; 3036.3; 11-AUG-2009 07:53:20; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38938  
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 10; 4027.7; 11-AUG-2009 08:09:51; Bright; 55.5; 35; 33Alp Per ; 1.79; 6250;occ; 111; 0;38938  
 11; 4198.4; 11-AUG-2009 08:12:42; Bright; 49.0; 6; 13Alp Aur ; 0.08; 3400;occ; 98; 0;38938  
 12; 4540.2; 11-AUG-2009 08:18:24; Dark ; 47.5; 28; 12Bet Tau ; 1.65; 15200;occ; 95; 0;38938  
 13; 4675.0; 11-AUG-2009 08:20:39; Dark ; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;38938  
 14; 4859.8; 11-AUG-2009 08:23:43; Dark ; 76.0; 13; 87Alp Tau ; 0.87; 3800;occ; 152; 0;38938  
 15; 4970.1; 11-AUG-2009 08:25:34; Dark ; 42.5; 27; 24Gam Ori ; 1.64; 26000;occ; 85; 0;38938  
 16; 5086.0; 11-AUG-2009 08:27:30; Dark ; 47.5; 30; 46Eps Ori ; 1.69; 30000;occ; 95; 0;38938  
 17; 5253.5; 11-AUG-2009 08:30:17; Dark ; 52.0; 7; 19Bet Ori ; 0.10; 14000;occ; 104; 0;38938  
 18; 5619.8; 11-AUG-2009 08:36:23; Dark ; 62.5; 165; 34Gam Eri ; 2.95; 3200;occ; 125; 0;38938  
 19; 5850.3; 11-AUG-2009 08:40:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38938  
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 22; 7256.7; 11-AUG-2009 09:03:40; Dark ; 56.0; 18; 24Alp PsA ; 1.17; 9700;occ; 112; 0;38938  
 23; 7620.5; 11-AUG-2009 09:09:44; Bright; 49.0; 142; 49Del Cap ; 2.85; 8900;occ; 98; 0;38938

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 3; 2139.6; 11-AUG-2009 09:18:59; Bright; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 0;38939  
 4; 2519.4; 11-AUG-2009 09:25:19; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38939  
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 7; 1802.6; 12-AUG-2009 01:59:21; Bright; 42.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 84; 0;38949  
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 11; 2708.6; 12-AUG-2009 02:14:27; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38949  
 12; 3032.8; 12-AUG-2009 02:19:51; Bright; 35.0; 89; 5Alp Cep ; 2.45; 8000;occ; 70; 0;38949  
 13; 3351.3; 12-AUG-2009 02:25:10; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;38949  
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 13; 143.9; 12-AUG-2009 03:12:18; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38950  
 14; 750.8; 12-AUG-2009 03:22:25; Dark ; 54.5; 84; Alp Phe ; 2.40; 4500;occ; 109; 0;38950  
 15; 1226.3; 12-AUG-2009 03:30:21; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;38950  
 16; 1586.0; 12-AUG-2009 03:36:21; Bright; 45.0; 142; 49Del Cap ; 2.85; 8900;occ; 90; 0;38950  
 17; 1802.6; 12-AUG-2009 03:39:57; Bright; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;38950  
 18; 1939.0; 12-AUG-2009 03:42:14; Bright; 74.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 148; 0;38950  
 19; 2135.0; 12-AUG-2009 03:45:30; Bright; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;38950  
 20; 2516.4; 12-AUG-2009 03:51:51; Bright; 39.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 78; 0;38950  
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 22; 3032.6; 12-AUG-2009 04:00:27; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;38950  
 23; 3350.7; 12-AUG-2009 04:05:45; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;38950  
 24; 3481.8; 12-AUG-2009 04:07:56; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;38950

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 3; -1938.7; 12-AUG-2009 04:18:12; Bright; 76.0; 175; 39Del Per ; 3.01; 19400;occ; 152; 0;38950  
 4; -1493.6; 12-AUG-2009 04:25:37; Dark ; 46.0; 28; 12Bet Tau ; 1.65; 15200;occ; 92; 0;38950  
 5; -1357.6; 12-AUG-2009 04:27:53; Dark ; 46.0; 176; 23Zet Tau ; 3.02; 22000;occ; 92; 0;38950  
 6; -1168.9; 12-AUG-2009 04:31:02; Dark ; 68.0; 13; 87Alp Tau ; 0.87; 3800;occ; 136; 0;38950  
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 8; -943.7; 12-AUG-2009 04:34:47; Dark ; 48.0; 30; 46Eps Ori ; 1.69; 30000;occ; 96; 0;38950  
 9; -860.4; 12-AUG-2009 04:36:10; Dark ; 44.0; 125; 44Iot Ori ; 2.77; 30000;occ; 88; 0;38950  
 10; -774.4; 12-AUG-2009 04:37:36; Dark ; 56.5; 7; 19Bet Ori ; 0.10; 14000;occ; 113; 0;38950  
 11; -398.7; 12-AUG-2009 04:43:52; Dark ; 55.0; 165; 34Gam Eri ; 2.95; 3200;occ; 110; 0;38950  
 12; -174.9; 12-AUG-2009 04:47:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38950  
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 17; 1802.5; 12-AUG-2009 05:20:33; Bright; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;38951  
 18; 1938.7; 12-AUG-2009 05:22:49; Bright; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;38951  
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 22; 3032.4; 12-AUG-2009 05:41:03; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38951  
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13; 146.1; 12-AUG-2009 06:33:33; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38952
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17; 1802.5; 12-AUG-2009 07:01:09; Bright; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;38952
18; 1938.3; 12-AUG-2009 07:03:25; Bright; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;38952
19; 2134.1; 12-AUG-2009 07:06:41; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38952
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22; 3032.0; 12-AUG-2009 07:21:39; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38952
23; 3349.0; 12-AUG-2009 07:26:56; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;38952
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3; 1802.0; 12-AUG-2009 20:25:56; Bright; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;38960
4; 1935.7; 12-AUG-2009 20:28:10; Bright; 50.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 100; 0;38960
5; 2130.9; 12-AUG-2009 20:31:25; Bright; 45.0; 61; 8Eps Peg ; 2.10; 3900;occ; 90; 0;38960
6; 2513.8; 12-AUG-2009 20:37:48; Bright; 37.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 75; 0;38960
7; 3029.5; 12-AUG-2009 20:46:24; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38960
8; 3342.5; 12-AUG-2009 20:51:36; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38960
9; 3474.2; 12-AUG-2009 20:53:48; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;38960
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12; 4197.0; 12-AUG-2009 21:05:51; Bright; 51.0; 6; 13Alp Aur ; 0.08; 3400;occ; 102; 0;38960
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4; 760.6; 12-AUG-2009 21:49:10; Dark ; 60.5; 84; Alp Phe ; 2.40; 4500;occ; 121; 0;38961
5; 1231.7; 12-AUG-2009 21:57:02; Dark ; 55.0; 18; 24Alp PsA ; 1.17; 9700;occ; 110; 0;38961
6; 1587.1; 12-AUG-2009 22:02:57; Bright; 62.0; 142; 49Del Cap ; 2.85; 8900;occ; 124; 0;38961
7; 1802.1; 12-AUG-2009 22:06:32; Bright; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;38961
8; 1935.6; 12-AUG-2009 22:08:45; Bright; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;38961
9; 2130.4; 12-AUG-2009 22:12:00; Bright; 68.0; 61; 8Eps Peg ; 2.10; 3900;occ; 136; 0;38961
10; 2513.4; 12-AUG-2009 22:18:23; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38961
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12; 3341.9; 12-AUG-2009 22:32:12; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;38961
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16; 4196.8; 12-AUG-2009 22:46:27; Bright; 48.0; 6; 13Alp Aur ; 0.08; 3400;occ; 96; 0;38961
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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
22; 5181.6; 12-AUG-2009 23:02:52; Dark ; 44.0; 125; 44Iot Ori ; 2.77; 30000;occ; 88; 0;38961
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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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  
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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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15; 4092.7; 13-AUG-2009 00:25:18; Bright; 48.0; 175; 39Del Per ; 3.01; 19400;occ; 96; 0;38962  
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22; 5182.1; 13-AUG-2009 00:43:28; Dark ; 45.5; 125; 44Iot Ori ; 2.77; 30000;occ; 91; 0;38962  
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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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6; 2514.2; 12-AUG-2009 17:16:36; Bright; 38.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 77; 0;38958
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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
23; 6807.7; 13-AUG-2009 17:56:33; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;38972
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2; 1588.1; 13-AUG-2009 18:10:09; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38973
3; 1801.3; 13-AUG-2009 18:13:42; Bright; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;38973
4; 1931.9; 13-AUG-2009 18:15:53; Bright; 72.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 144; 0;38973
5; 2125.8; 13-AUG-2009 18:19:07; Bright; 56.5; 61; 8Eps Peg ; 2.10; 3900;occ; 113; 0;38973
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7; 3025.6; 13-AUG-2009 18:34:07; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38973
8; 3332.2; 13-AUG-2009 18:39:13; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;38973
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
15; 4684.9; 13-AUG-2009 19:01:46; Dark ; 45.5; 176; 23Zet Tau ; 3.02; 22000;occ; 91; 0;38973
16; 4881.3; 13-AUG-2009 19:05:02; Dark ; 63.0; 13; 87Alp Tau ; 0.87; 3800;occ; 126; 0;38973
17; 4988.2; 13-AUG-2009 19:06:49; Dark ; 51.0; 27; 24Gam Ori ; 1.64; 26000;occ; 102; 0;38973

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23; 6808.5; 13-AUG-2009 19:37:10; Dark ; 61.5; 84; Alp Phe ; 2.40; 4500;occ; 123; 0;38973
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3; 774.7; 14-AUG-2009 00:38:59; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;38977
4; 1238.7; 14-AUG-2009 00:46:43; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;38977
5; 1588.6; 14-AUG-2009 00:52:33; Bright; 43.5; 142; 49Del Cap ; 2.85; 8900;occ; 87; 0;38977
6; 1800.9; 14-AUG-2009 00:56:05; Bright; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;38977
7; 1930.6; 14-AUG-2009 00:58:15; Bright; 49.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 98; 0;38977
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
10; 3024.5; 14-AUG-2009 01:16:29; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38977
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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13; 3893.7; 14-AUG-2009 01:30:58; Bright; 39.0; 160; 23Gam Per ; 2.93; 4700;occ; 78; 0;38977
14; 4087.5; 14-AUG-2009 01:34:12; Bright; 34.0; 175; 39Del Per ; 3.01; 19400;occ; 68; 0;38977
15; 4195.8; 14-AUG-2009 01:36:00; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;38977
16; 4364.9; 14-AUG-2009 01:38:50; Bright; 39.0; 107; 37The Aur ; 2.65; 11000;occ; 78; 0;38977
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18; 4685.8; 14-AUG-2009 01:44:10; Dark ; 47.5; 176; 23Zet Tau ; 3.02; 22000;occ; 95; 0;38977
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7; 1239.2; 14-AUG-2009 02:27:20; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;38978
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11; 2124.0; 14-AUG-2009 02:42:04; Bright; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 0;38978
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
14; 3328.2; 14-AUG-2009 03:02:09; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;38978
15; 3460.6; 14-AUG-2009 03:04:21; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 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
7; -1151.4; 14-AUG-2009 03:28:05; Dark ; 43.0; 13; 87Alp Tau ; 0.87; 3800;occ; 86; 0;38978
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3; 1240.3; 14-AUG-2009 05:48:33; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;38980
4; 1589.2; 14-AUG-2009 05:54:22; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38980
5; 1801.0; 14-AUG-2009 05:57:53; Bright; 41.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 82; 0;38980
6; 1929.9; 14-AUG-2009 06:00:02; Bright; 49.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 99; 0;38980
7; 2123.1; 14-AUG-2009 06:03:16; Bright; 66.0; 61; 8Eps Peg ; 2.10; 3900;occ; 132; 0;38980
8; 2508.7; 14-AUG-2009 06:09:41; Bright; 37.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 74; 0;38980
9; 3023.5; 14-AUG-2009 06:18:16; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38980

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4; 1927.4; 14-AUG-2009 21:05:23; Bright; 49.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 98; 0;38989
5; 2119.9; 14-AUG-2009 21:08:36; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38989
6; 2511.5; 14-AUG-2009 21:15:07; Bright; 33.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 66; 0;38989
7; 3021.1; 14-AUG-2009 21:23:37; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38989
8; 3319.7; 14-AUG-2009 21:28:36; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38989
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13; 4689.3; 14-AUG-2009 21:51:25; Dark ; 45.5; 176; 23Zet Tau ; 3.02; 22000;occ; 91; 0;38989
14; 4924.6; 14-AUG-2009 21:55:21; Dark ; 50.5; 14; 58Alp Ori ; 0.87; 3000;occ; 101; 0;38989
15; 5113.3; 14-AUG-2009 21:58:29; Dark ; 48.0; 30; 46Eps Ori ; 1.69; 30000;occ; 96; 0;38989
16; 5197.9; 14-AUG-2009 21:59:54; Dark ; 45.5; 125; 44Iot Ori ; 2.77; 30000;occ; 91; 0;38989
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7; 1590.1; 14-AUG-2009 22:40:22; Bright; 52.5; 142; 49Del Cap ; 2.85; 8900;occ; 105; 0;38990
8; 1800.3; 14-AUG-2009 22:43:52; Bright; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;38990
9; 1927.1; 14-AUG-2009 22:45:59; Bright; 49.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 98; 0;38990
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12; 3318.8; 14-AUG-2009 23:09:11; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;38990
13; 3451.7; 14-AUG-2009 23:11:23; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;38990
14; 4194.9; 14-AUG-2009 23:23:47; Bright; 52.0; 6; 13Alp Aur ; 0.08; 3400;occ; 104; 0;38990
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8; 1926.9; 15-AUG-2009 00:26:34; Bright; 49.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 99; 0;38991
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10; 3020.7; 15-AUG-2009 00:44:48; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;38991
11; 3318.1; 15-AUG-2009 00:49:46; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;38991
12; 3450.9; 15-AUG-2009 00:51:58; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;38991
13; 4194.8; 15-AUG-2009 01:04:22; Bright; 48.0; 6; 13Alp Aur ; 0.08; 3400;occ; 96; 0;38991
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16; 4689.9; 15-AUG-2009 01:12:38; Dark ; 47.5; 176; 23Zet Tau ; 3.02; 22000;occ; 95; 0;38991
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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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 6; 345.4; 23-AUG-2009 22:36:51; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;39119  
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 9; 1903.2; 23-AUG-2009 23:02:49; Bright; 42.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 84; 0;39119  
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 11; 2571.4; 23-AUG-2009 23:13:57; Bright; 65.0; 164; 44Eta Peg ; 2.95; 5400;occ; 130; 0;39119  
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 13; 3354.8; 23-AUG-2009 23:27:01; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39119  
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 17; 4752.4; 23-AUG-2009 23:50:18; Dark ; 45.0; 44; 24Gam Gem ; 1.93; 11000;occ; 90; 0;39119  
 18; 4988.3; 23-AUG-2009 23:54:14; Dark ; 63.0; 14; 58Alp Ori ; 0.87; 3000;occ; 126; 0;39119  
 19; 5085.9; 23-AUG-2009 23:55:52; Dark ; 59.0; 27; 24Gam Ori ; 1.64; 26000;occ; 118; 0;39119  
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 6; 1294.4; 24-AUG-2009 00:33:16; Dark ; 51.0; 18; 24Alp PsA ; 1.17; 9700;occ; 102; 0;39120  
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 8; 2086.9; 24-AUG-2009 00:46:29; Bright; 42.5; 61; 8Eps Peg ; 2.10; 3900;occ; 85; 0;39120  
 9; 2570.7; 24-AUG-2009 00:54:33; Bright; 46.5; 164; 44Eta Peg ; 2.95; 5400;occ; 93; 0;39120  
 10; 3220.7; 24-AUG-2009 01:05:23; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;39120  
 11; 3354.0; 24-AUG-2009 01:07:36; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39120  
 12; 4179.3; 24-AUG-2009 01:21:21; Bright; 53.5; 6; 13Alp Aur ; 0.08; 3400;occ; 107; 0;39120  
 13; 4374.2; 24-AUG-2009 01:24:36; Bright; 41.5; 107; 37The Aur ; 2.65; 11000;occ; 83; 0;39120  
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 17; 5086.7; 24-AUG-2009 01:36:29; Dark ; 60.0; 27; 24Gam Ori ; 1.64; 26000;occ; 120; 0;39120  
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 4; -472.0; 24-AUG-2009 01:44:26; Dark ; 52.0; 139; 9Bet Lep ; 2.83; 5600;occ; 104; 0;39120  
 5; -356.3; 24-AUG-2009 01:46:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39120  
 6; 347.8; 24-AUG-2009 01:58:06; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;39121  
 7; 888.6; 24-AUG-2009 02:07:06; Dark ; 60.0; 84; Alp Phe ; 2.40; 4500;occ; 120; 0;39121  
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 9; 1902.7; 24-AUG-2009 02:24:01; Bright; 42.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 84; 0;39121  
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 11; 2569.9; 24-AUG-2009 02:35:08; Bright; 48.0; 164; 44Eta Peg ; 2.95; 5400;occ; 96; 0;39121  
 12; 3219.9; 24-AUG-2009 02:45:58; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39121  
 13; 3353.4; 24-AUG-2009 02:48:11; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39121

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9; -625.2; 24-AUG-2009 03:22:28; Dark ; 65.5; 7; 19Bet Ori ; 0.10; 14000;occ; 131; 0;39121
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13; 889.4; 24-AUG-2009 03:47:43; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;39122
14; 1295.3; 24-AUG-2009 03:54:29; Dark ; 50.0; 18; 24Alp PsA ; 1.17; 9700;occ; 100; 0;39122
15; 1902.9; 24-AUG-2009 04:04:37; Bright; 43.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 87; 0;39122
16; 2086.8; 24-AUG-2009 04:07:41; Bright; 42.0; 61; 8Eps Peg ; 2.10; 3900;occ; 84; 0;39122
17; 2569.2; 24-AUG-2009 04:15:43; Bright; 48.0; 164; 44Eta Peg ; 2.95; 5400;occ; 96; 0;39122
18; 3219.3; 24-AUG-2009 04:26:33; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39122
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5; 3351.3; 24-AUG-2009 07:49:57; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;39124
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16; 5700.5; 25-AUG-2009 14:39:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39142
17; 6411.0; 25-AUG-2009 14:51:43; Dark ; 55.0; 157; The1Eri ; 2.91; 9300;occ; 110; 0;39142
18; 6940.1; 25-AUG-2009 15:00:32; Dark ; 59.0; 84; Alp Phe ; 2.40; 4500;occ; 118; 0;39142
19; 7338.4; 25-AUG-2009 15:07:11; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;39142
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2; 1303.4; 25-AUG-2009 20:08:59; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;39146
3; 1900.6; 25-AUG-2009 20:18:57; Bright; 53.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 106; 0;39146
4; 2083.3; 25-AUG-2009 20:21:59; Bright; 57.0; 61; 8Eps Peg ; 2.10; 3900;occ; 114; 0;39146
5; 2552.4; 25-AUG-2009 20:29:48; Bright; 46.0; 164; 44Eta Peg ; 2.95; 5400;occ; 92; 0;39146
6; 3202.5; 25-AUG-2009 20:40:39; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;39146
7; 3335.0; 25-AUG-2009 20:42:51; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39146
8; 4175.1; 25-AUG-2009 20:56:51; Bright; 56.0; 6; 13Alp Aur ; 0.08; 3400;occ; 112; 0;39146
9; 4375.7; 25-AUG-2009 21:00:12; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;39146
10; 4583.3; 25-AUG-2009 21:03:39; Dark ; 59.5; 28; 12Bet Tau ; 1.65; 15200;occ; 119; 0;39146
11; 4761.0; 25-AUG-2009 21:06:37; Dark ; 44.0; 44; 24Gam Gem ; 1.93; 11000;occ; 88; 0;39146
12; 5004.9; 25-AUG-2009 21:10:41; Dark ; 60.0; 14; 58Alp Ori ; 0.87; 3000;occ; 120; 0;39146
13; 5109.5; 25-AUG-2009 21:12:26; Dark ; 63.0; 27; 24Gam Ori ; 1.64; 26000;occ; 126; 0;39146
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3; -691.7; 25-AUG-2009 21:16:20; Dark ; 50.0; 56; 53Kap Ori ; 2.07; 30000;occ; 100; 0;39146
4; -596.3; 25-AUG-2009 21:17:56; Dark ; 75.5; 7; 19Bet Ori ; 0.10; 14000;occ; 151; 0;39146
5; -447.4; 25-AUG-2009 21:20:25; Dark ; 51.5; 139; 9Bet Lep ; 2.83; 5600;occ; 103; 0;39146
6; -331.5; 25-AUG-2009 21:22:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39146
7; 379.8; 25-AUG-2009 21:34:12; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;39147
8; 906.8; 25-AUG-2009 21:42:59; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;39147
9; 1303.7; 25-AUG-2009 21:49:36; Dark ; 48.5; 18; 24Alp PsA ; 1.17; 9700;occ; 97; 0;39147
10; 1900.4; 25-AUG-2009 21:59:32; Bright; 40.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 81; 0;39147
11; 2083.1; 25-AUG-2009 22:02:35; Bright; 57.0; 61; 8Eps Peg ; 2.10; 3900;occ; 114; 0;39147
12; 2551.8; 25-AUG-2009 22:10:24; Bright; 46.0; 164; 44Eta Peg ; 2.95; 5400;occ; 92; 0;39147
13; 3201.7; 25-AUG-2009 22:21:14; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;39147
14; 3334.2; 25-AUG-2009 22:23:26; Bright; 46.0; 76; 27Gam Cas ; 2.30; 30000;occ; 92; 0;39147
15; 4174.8; 25-AUG-2009 22:37:27; Bright; 56.5; 6; 13Alp Aur ; 0.08; 3400;occ; 113; 0;39147
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  
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 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  
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 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  
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 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  
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9; 4583.2; 25-AUG-2009 19:23:03; Dark ; 59.0; 28; 12Bet Tau ; 1.65; 15200;occ; 118; 0;39145  
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 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  
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 18; 6414.6; 25-AUG-2009 19:53:35; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;39145  
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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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 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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 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  
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13; 5451.6; 26-AUG-2009 14:04:07; Dark ; 67.5; 7; 19Bet Ori ; 0.10; 14000;occ; 135; 0;39156  
14; 5598.3; 26-AUG-2009 14:06:33; Dark ; 54.0; 139; 9Bet Lep ; 2.83; 5600;occ; 108; 0;39156  
15; 5714.3; 26-AUG-2009 14:08:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39156  
16; 6428.2; 26-AUG-2009 14:20:23; Dark ; 55.5; 157; The1Eri ; 2.91; 9300;occ; 111; 0;39156  
17; 6949.5; 26-AUG-2009 14:29:05; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;39156  
18; 7342.6; 26-AUG-2009 14:35:38; Dark ; 48.5; 18; 24Alp PsA ; 1.17; 9700;occ; 97; 0;39156

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3; 2545.2; 26-AUG-2009 14:56:16; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39157  
4; 3194.8; 26-AUG-2009 15:07:06; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39157  
5; 3327.0; 26-AUG-2009 15:09:18; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39157  
6; 4173.0; 26-AUG-2009 15:23:24; Bright; 57.0; 6; 13Alp Aur ; 0.08; 3400;occ; 114; 0;39157  
7; 4375.9; 26-AUG-2009 15:26:47; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;39157  
8; 4586.0; 26-AUG-2009 15:30:17; Dark ; 60.5; 28; 12Bet Tau ; 1.65; 15200;occ; 121; 0;39157  
9; 4764.6; 26-AUG-2009 15:33:16; Dark ; 46.5; 44; 24Gam Gem ; 1.93; 11000;occ; 93; 0;39157  
10; 5012.1; 26-AUG-2009 15:37:23; Dark ; 61.5; 14; 58Alp Ori ; 0.87; 3000;occ; 123; 0;39157  
11; 5119.8; 26-AUG-2009 15:39:11; Dark ; 65.0; 27; 24Gam Ori ; 1.64; 26000;occ; 130; 0;39157  
12; 5237.0; 26-AUG-2009 15:41:08; Dark ; 57.0; 30; 46Eps Ori ; 1.69; 30000;occ; 114; 0;39157  
13; 5353.7; 26-AUG-2009 15:43:05; Dark ; 53.0; 56; 53Kap Ori ; 2.07; 30000;occ; 106; 0;39157  
14; 5453.0; 26-AUG-2009 15:44:44; Dark ; 65.5; 7; 19Bet Ori ; 0.10; 14000;occ; 131; 0;39157  
15; 5599.3; 26-AUG-2009 15:47:10; Dark ; 55.0; 139; 9Bet Lep ; 2.83; 5600;occ; 110; 0;39157  
16; 5715.4; 26-AUG-2009 15:49:06; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39157  
17; 6429.4; 26-AUG-2009 16:01:00; Dark ; 55.5; 157; The1Eri ; 2.91; 9300;occ; 111; 0;39157  
18; 6950.1; 26-AUG-2009 16:09:41; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;39157

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3; 2545.2; 26-AUG-2009 14:56:16; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39157  
4; 3194.8; 26-AUG-2009 15:07:06; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39157  
5; 3327.0; 26-AUG-2009 15:09:18; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39157  
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7; 4375.9; 26-AUG-2009 15:26:47; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;39157  
8; 4586.0; 26-AUG-2009 15:30:17; Dark ; 60.5; 28; 12Bet Tau ; 1.65; 15200;occ; 121; 0;39157  
9; 4764.6; 26-AUG-2009 15:33:16; Dark ; 46.5; 44; 24Gam Gem ; 1.93; 11000;occ; 93; 0;39157  
10; 5012.1; 26-AUG-2009 15:37:23; Dark ; 61.5; 14; 58Alp Ori ; 0.87; 3000;occ; 123; 0;39157  
11; 5119.8; 26-AUG-2009 15:39:11; Dark ; 65.0; 27; 24Gam Ori ; 1.64; 26000;occ; 130; 0;39157  
12; 5237.0; 26-AUG-2009 15:41:08; Dark ; 57.0; 30; 46Eps Ori ; 1.69; 30000;occ; 114; 0;39157  
13; 5353.7; 26-AUG-2009 15:43:05; Dark ; 53.0; 56; 53Kap Ori ; 2.07; 30000;occ; 106; 0;39157  
14; 5453.0; 26-AUG-2009 15:44:44; Dark ; 65.5; 7; 19Bet Ori ; 0.10; 14000;occ; 131; 0;39157  
15; 5599.3; 26-AUG-2009 15:47:10; Dark ; 55.0; 139; 9Bet Lep ; 2.83; 5600;occ; 110; 0;39157  
16; 5715.4; 26-AUG-2009 15:49:06; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39157  
17; 6429.4; 26-AUG-2009 16:01:00; Dark ; 55.5; 157; The1Eri ; 2.91; 9300;occ; 111; 0;39157  
18; 6950.1; 26-AUG-2009 16:09:41; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;39157

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3; 2081.8; 26-AUG-2009 16:29:09; Bright; 41.0; 61; 8Eps Peg ; 2.10; 3900;occ; 82; 0;39158  
4; 2544.7; 26-AUG-2009 16:36:52; Bright; 47.0; 164; 44Eta Peg ; 2.95; 5400;occ; 94; 0;39158  
5; 3194.1; 26-AUG-2009 16:47:41; Bright; 43.0; 74; 11Bet Cas ; 2.27; 6600;occ; 86; 0;39158  
6; 3326.3; 26-AUG-2009 16:49:53; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39158  
7; 4172.9; 26-AUG-2009 17:04:00; Bright; 57.0; 6; 13Alp Aur ; 0.08; 3400;occ; 114; 0;39158  
8; 4376.1; 26-AUG-2009 17:07:23; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;39158  
9; 4586.3; 26-AUG-2009 17:10:53; Dark ; 61.0; 28; 12Bet Tau ; 1.65; 15200;occ; 122; 0;39158  
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13; 5238.0; 26-AUG-2009 17:21:45; Dark ; 58.0; 30; 46Eps Ori ; 1.69; 30000;occ; 116; 0;39158
14; 5354.6; 26-AUG-2009 17:23:42; Dark ; 54.5; 56; 53Kap Ori ; 2.07; 30000;occ; 109; 0;39158
15; 5454.2; 26-AUG-2009 17:25:21; Dark ; 70.0; 7; 19Bet Ori ; 0.10; 14000;occ; 140; 0;39158
16; 5600.5; 26-AUG-2009 17:27:47; Dark ; 49.5; 139; 9Bet Lep ; 2.83; 5600;occ; 99; 0;39158
17; 5716.4; 26-AUG-2009 17:29:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39158
18; 6430.5; 26-AUG-2009 17:41:38; Dark ; 55.5; 157; The1Eri ; 2.91; 9300;occ; 111; 0;39158
19; 6950.8; 26-AUG-2009 17:50:18; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;39158
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 3; 2546.3; 26-AUG-2009 11:35:06; Bright; 46.0; 164; 44Eta Peg ; 2.95; 5400;occ; 92; 0;39155
 4; 3196.0; 26-AUG-2009 11:45:55; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;39155
 5; 3328.3; 26-AUG-2009 11:48:08; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39155
 6; 4173.3; 26-AUG-2009 12:02:13; Bright; 55.5; 6; 13Alp Aur ; 0.08; 3400;occ; 111; 0;39155
 7; 4375.7; 26-AUG-2009 12:05:35; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;39155
 8; 4585.6; 26-AUG-2009 12:09:05; Dark ; 60.5; 28; 12Bet Tau ; 1.65; 15200;occ; 121; 0;39155
 9; 4763.8; 26-AUG-2009 12:12:03; Dark ; 45.5; 44; 24Gam Gem ; 1.93; 11000;occ; 91; 0;39155
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11; 5117.8; 26-AUG-2009 12:17:57; Dark ; 60.0; 27; 24Gam Ori ; 1.64; 26000;occ; 120; 0;39155
12; 5235.1; 26-AUG-2009 12:19:54; Dark ; 56.5; 30; 46Eps Ori ; 1.69; 30000;occ; 113; 0;39155
13; 5351.8; 26-AUG-2009 12:21:51; Dark ; 49.0; 56; 53Kap Ori ; 2.07; 30000;occ; 98; 0;39155
14; 5450.5; 26-AUG-2009 12:23:30; Dark ; 65.5; 7; 19Bet Ori ; 0.10; 14000;occ; 131; 0;39155
15; 5597.3; 26-AUG-2009 12:25:57; Dark ; 49.5; 139; 9Bet Lep ; 2.83; 5600;occ; 99; 0;39155
16; 5713.3; 26-AUG-2009 12:27:53; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39155
17; 6426.9; 26-AUG-2009 12:39:46; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;39155
18; 6948.6; 26-AUG-2009 12:48:28; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;39155
19; 7342.3; 26-AUG-2009 12:55:02; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;39155
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 3; 2081.7; 26-AUG-2009 18:09:45; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;39159
 4; 2544.0; 26-AUG-2009 18:17:27; Bright; 44.5; 164; 44Eta Peg ; 2.95; 5400;occ; 89; 0;39159
 5; 3193.4; 26-AUG-2009 18:28:16; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;39159
 6; 3325.4; 26-AUG-2009 18:30:28; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39159
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 8; 4376.1; 26-AUG-2009 18:47:59; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;39159
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11; 5013.4; 26-AUG-2009 18:58:36; Dark ; 69.0; 14; 58Alp Ori ; 0.87; 3000;occ; 138; 0;39159
12; 5121.8; 26-AUG-2009 19:00:25; Dark ; 61.5; 27; 24Gam Ori ; 1.64; 26000;occ; 123; 0;39159
13; 5239.0; 26-AUG-2009 19:02:22; Dark ; 59.0; 30; 46Eps Ori ; 1.69; 30000;occ; 118; 0;39159
14; 5355.4; 26-AUG-2009 19:04:18; Dark ; 52.5; 56; 53Kap Ori ; 2.07; 30000;occ; 105; 0;39159
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16; 5601.4; 26-AUG-2009 19:08:24; Dark ; 50.5; 139; 9Bet Lep ; 2.83; 5600;occ; 101; 0;39159
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19; 6951.4; 26-AUG-2009 19:30:54; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;39159
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 3; 1899.3; 26-AUG-2009 19:47:18; Bright; 41.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 83; 0;39160
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 5; 2543.3; 26-AUG-2009 19:58:02; Bright; 45.0; 164; 44Eta Peg ; 2.95; 5400;occ; 90; 0;39160
 6; 3192.7; 26-AUG-2009 20:08:52; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39160
 7; 3324.5; 26-AUG-2009 20:11:04; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39160
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11; 4765.4; 26-AUG-2009 20:35:04; Dark ; 46.0; 44; 24Gam Gem ; 1.93; 11000;occ; 92; 0;39160
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13; 5122.5; 26-AUG-2009 20:41:02; Dark ; 60.5; 27; 24Gam Ori ; 1.64; 26000;occ; 121; 0;39160
14; 5239.8; 26-AUG-2009 20:42:59; Dark ; 56.5; 30; 46Eps Ori ; 1.69; 30000;occ; 113; 0;39160
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17; 5602.4; 26-AUG-2009 20:49:01; Dark ; 52.0; 139; 9Bet Lep ; 2.83; 5600;occ; 104; 0;39160
18; 5718.3; 26-AUG-2009 20:50:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39160

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6; 917.3; 27-AUG-2009 00:32:44; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;39163
7; 1308.4; 27-AUG-2009 00:39:15; Dark ; 48.5; 18; 24Alp PsA ; 1.17; 9700;occ; 97; 0;39163
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13; 4171.8; 27-AUG-2009 01:26:58; Bright; 58.5; 6; 13Alp Aur ; 0.08; 3400;occ; 117; 0;39163
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17; 5730.7; 27-AUG-2009 16:58:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39172
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 5; 2534.6; 27-AUG-2009 19:26:16; Bright; 44.5; 164; 44Eta Peg ; 2.95; 5400;occ; 89; 0;39174
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 9; 4376.5; 27-AUG-2009 19:56:58; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;39174
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6; 2530.8; 28-AUG-2009 05:29:48; Bright; 67.0; 164; 44Eta Peg ; 2.95; 5400;occ; 134; 0;39180

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4;	4161.1;	30-AUG-2009	13:16:44;	Bright;	56.0;	6;	13Alp Aur	;	0.08;	3400;occ;	112;	0;	39213	
5;	4377.8;	30-AUG-2009	13:20:20;	Bright;	49.0;	107;	37The Aur	;	2.65;	11000;occ;	98;	0;	39213	
6;	4680.1;	30-AUG-2009	13:25:23;	Dark	;	53.5;	151;	13Mu Gem	;	2.89;	3000;occ;	107;	0;	39213
7;	4784.3;	30-AUG-2009	13:27:07;	Dark	;	49.5;	44;	24Gam Gem	;	1.93;	11000;occ;	99;	0;	39213
8;	5051.7;	30-AUG-2009	13:31:34;	Dark	;	64.0;	14;	58Alp Ori	;	0.87;	3000;occ;	128;	0;	39213
9;	5294.5;	30-AUG-2009	13:35:37;	Dark	;	62.0;	30;	46Eps Ori	;	1.69;	30000;occ;	124;	0;	39213
10;	5434.7;	30-AUG-2009	13:37:57;	Dark	;	47.5;	47;	2Bet CMA	;	1.98;	28000;occ;	95;	0;	39213
11;	5597.7;	30-AUG-2009	13:40:40;	Dark	;	55.5;	101;	11Alp Lep	;	2.58;	7000;occ;	111;	0;	39213
12;	5774.4;	30-AUG-2009	13:43:37;	Dark	;	59.0;	0;		;	0.00;	0;occ;	118;	0;	39213
13;	6497.9;	30-AUG-2009	13:55:41;	Dark	;	56.0;	157;	The1Eri	;	2.91;	9300;occ;	112;	0;	39213
14;	6985.7;	30-AUG-2009	14:03:48;	Dark	;	47.0;	84;	Alp Phe	;	2.40;	4500;occ;	94;	0;	39213
15;	7359.8;	30-AUG-2009	14:10:02;	Dark	;	45.5;	18;	24Alp PsA	;	1.17;	9700;occ;	91;	0;	39213

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1;	1896.3;	30-AUG-2009	14:19:35;	Bright;	38.5;	162;	34Alp Aqr	;	2.94;	5350;occ;	77;	0;	39214	
2;	2261.5;	30-AUG-2009	14:25:40;	Bright;	49.5;	90;	54Alp Peg	;	2.49;	11000;occ;	99;	0;	39214	
3;	2511.8;	30-AUG-2009	14:29:50;	Bright;	43.0;	164;	44Eta Peg	;	2.95;	5400;occ;	86;	0;	39214	
4;	3156.5;	30-AUG-2009	14:40:35;	Bright;	44.0;	74;	11Bet Cas	;	2.27;	6600;occ;	88;	0;	39214	
5;	3285.9;	30-AUG-2009	14:42:44;	Bright;	43.5;	76;	27Gam Cas	;	2.30;	30000;occ;	87;	0;	39214	
6;	4161.0;	30-AUG-2009	14:57:20;	Bright;	58.5;	6;	13Alp Aur	;	0.08;	3400;occ;	117;	0;	39214	
7;	4377.8;	30-AUG-2009	15:00:56;	Bright;	48.0;	107;	37The Aur	;	2.65;	11000;occ;	96;	0;	39214	
8;	4680.4;	30-AUG-2009	15:05:59;	Dark	;	52.0;	151;	13Mu Gem	;	2.89;	3000;occ;	104;	0;	39214
9;	4784.6;	30-AUG-2009	15:07:43;	Dark	;	51.5;	44;	24Gam Gem	;	1.93;	11000;occ;	103;	0;	39214
10;	5052.6;	30-AUG-2009	15:12:11;	Dark	;	65.0;	14;	58Alp Ori	;	0.87;	3000;occ;	130;	0;	39214
11;	5295.6;	30-AUG-2009	15:16:14;	Dark	;	63.5;	30;	46Eps Ori	;	1.69;	30000;occ;	127;	0;	39214
12;	5435.5;	30-AUG-2009	15:18:34;	Dark	;	47.0;	47;	2Bet CMA	;	1.98;	28000;occ;	94;	0;	39214
13;	5599.0;	30-AUG-2009	15:21:18;	Dark	;	51.0;	101;	11Alp Lep	;	2.58;	7000;occ;	102;	0;	39214
14;	5775.6;	30-AUG-2009	15:24:14;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	39214
15;	6499.2;	30-AUG-2009	15:36:18;	Dark	;	53.0;	157;	The1Eri	;	2.91;	9300;occ;	106;	0;	39214
16;	6986.3;	30-AUG-2009	15:44:25;	Dark	;	55.5;	84;	Alp Phe	;	2.40;	4500;occ;	111;	0;	39214
17;	7360.2;	30-AUG-2009	15:50:39;	Dark	;	45.5;	18;	24Alp PsA	;	1.17;	9700;occ;	91;	0;	39214

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2;	1896.2;	30-AUG-2009	16:00:11;	Bright;	38.5;	162;	34Alp Aqr	;	2.94;	5350;occ;	77;	0;	39215	
3;	2261.0;	30-AUG-2009	16:06:15;	Bright;	48.0;	90;	54Alp Peg	;	2.49;	11000;occ;	96;	0;	39215	
4;	2511.4;	30-AUG-2009	16:10:26;	Bright;	65.0;	164;	44Eta Peg	;	2.95;	5400;occ;	130;	0;	39215	
5;	3155.8;	30-AUG-2009	16:21:10;	Bright;	40.5;	74;	11Bet Cas	;	2.27;	6600;occ;	81;	0;	39215	
6;	3285.2;	30-AUG-2009	16:23:20;	Bright;	45.5;	76;	27Gam Cas	;	2.30;	30000;occ;	91;	0;	39215	
7;	4160.9;	30-AUG-2009	16:37:55;	Bright;	61.5;	6;	13Alp Aur	;	0.08;	3400;occ;	123;	0;	39215	
8;	4377.9;	30-AUG-2009	16:41:32;	Bright;	45.5;	107;	37The Aur	;	2.65;	11000;occ;	91;	0;	39215	
9;	4680.6;	30-AUG-2009	16:46:35;	Dark	;	53.5;	151;	13Mu Gem	;	2.89;	3000;occ;	107;	0;	39215
10;	4785.1;	30-AUG-2009	16:48:20;	Dark	;	49.5;	44;	24Gam Gem	;	1.93;	11000;occ;	99;	0;	39215
11;	5053.4;	30-AUG-2009	16:52:48;	Dark	;	69.5;	14;	58Alp Ori	;	0.87;	3000;occ;	139;	0;	39215
12;	5296.8;	30-AUG-2009	16:56:51;	Dark	;	62.5;	30;	46Eps Ori	;	1.69;	30000;occ;	125;	0;	39215
13;	5436.1;	30-AUG-2009	16:59:11;	Dark	;	47.0;	47;	2Bet CMA	;	1.98;	28000;occ;	94;	0;	39215
14;	5600.2;	30-AUG-2009	17:01:55;	Dark	;	53.5;	101;	11Alp Lep	;	2.58;	7000;occ;	107;	0;	39215
15;	5776.8;	30-AUG-2009	17:04:51;	Dark	;	59.0;	0;		;	0.00;	0;occ;	118;	0;	39215
16;	6500.3;	30-AUG-2009	17:16:55;	Dark	;	56.0;	157;	The1Eri	;	2.91;	9300;occ;	112;	0;	39215
17;	6987.0;	30-AUG-2009	17:25:02;	Dark	;	47.5;	84;	Alp Phe	;	2.40;	4500;occ;	95;	0;	39215

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2;	1896.1;	30-AUG-2009	17:40:47;	Bright;	38.5;	162;	34Alp Aqr	;	2.94;	5350;occ;	77;	0;	39216	
3;	2260.2;	30-AUG-2009	17:46:51;	Bright;	48.0;	90;	54Alp Peg	;	2.49;	11000;occ;	96;	0;	39216	
4;	2510.7;	30-AUG-2009	17:51:01;	Bright;	44.0;	164;	44Eta Peg	;	2.95;	5400;occ;	88;	0;	39216	
5;	3155.1;	30-AUG-2009	18:01:46;	Bright;	45.5;	74;	11Bet Cas	;	2.27;	6600;occ;	91;	0;	39216	
6;	3284.4;	30-AUG-2009	18:03:55;	Bright;	47.0;	76;	27Gam Cas	;	2.30;	30000;occ;	94;	0;	39216	
7;	4160.5;	30-AUG-2009	18:18:31;	Bright;	56.5;	6;	13Alp Aur	;	0.08;	3400;occ;	113;	0;	39216	
8;	4377.9;	30-AUG-2009	18:22:08;	Bright;	43.0;	107;	37The Aur	;	2.65;	11000;occ;	86;	0;	39216	
9;	4680.9;	30-AUG-2009	18:27:11;	Dark	;	56.5;	151;	13Mu Gem	;	2.89;	3000;occ;	113;	0;	39216
10;	4785.4;	30-AUG-2009	18:28:56;	Dark	;	49.5;	44;	24Gam Gem	;	1.93;	11000;occ;	99;	0;	39216
11;	5297.8;	30-AUG-2009	18:37:28;	Dark	;	66.0;	30;	46Eps Ori	;	1.69;	30000;occ;	132;	0;	39216
12;	5436.8;	30-AUG-2009	18:39:47;	Dark	;	48.0;	47;	2Bet CMA	;	1.98;	28000;occ;	96;	0;	39216
13;	5601.3;	30-AUG-2009	18:42:32;	Dark	;	55.5;	101;	11Alp Lep	;	2.58;	7000;occ;	111;	0;	39216
14;	5777.9;	30-AUG-2009	18:45:28;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	39216
15;	6501.8;	30-AUG-2009	18:57:32;	Dark	;	55.0;	157;	The1Eri	;	2.91;	9300;occ;	110;	0;	39216

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2; 1324.7; 30-AUG-2009 19:11:51; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;39217
3; 1896.1; 30-AUG-2009 19:21:23; Bright; 38.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 77; 0;39217
4; 2259.6; 30-AUG-2009 19:27:26; Bright; 47.5; 90; 54Alp Peg ; 2.49; 11000;occ; 95; 0;39217
5; 2510.2; 30-AUG-2009 19:31:37; Bright; 42.5; 164; 44Eta Peg ; 2.95; 5400;occ; 85; 0;39217
6; 3154.5; 30-AUG-2009 19:42:21; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39217
7; 3283.6; 30-AUG-2009 19:44:30; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39217
8; 4160.2; 30-AUG-2009 19:59:07; Bright; 56.5; 6; 13Alp Aur ; 0.08; 3400;occ; 113; 0;39217
9; 4377.8; 30-AUG-2009 20:02:44; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;39217
10; 4681.2; 30-AUG-2009 20:07:48; Dark ; 59.5; 151; 13Mu Gem ; 2.89; 3000;occ; 119; 0;39217
11; 4785.7; 30-AUG-2009 20:09:32; Dark ; 49.0; 44; 24Gam Gem ; 1.93; 11000;occ; 98; 0;39217
12; 5298.9; 30-AUG-2009 20:18:05; Dark ; 62.0; 30; 46Eps Ori ; 1.69; 30000;occ; 124; 0;39217
13; 5437.5; 30-AUG-2009 20:20:24; Dark ; 0.0; 47; 2Bet CMA ; 1.98; 28000;occ; 124; 0;39217
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4; 467.0; 30-AUG-2009 20:38:09; Dark ; 55.5; 157; The1Eri ; 2.91; 9300;occ; 111; 0;39218
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3; -430.2; 31-AUG-2009 01:25:00; Dark ; 50.5; 101; 11Alp Lep ; 2.58; 7000;occ; 101; 0;39220
4; -253.6; 31-AUG-2009 01:27:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39220
5; 470.5; 31-AUG-2009 01:40:01; Dark ; 54.5; 157; The1Eri ; 2.91; 9300;occ; 109; 0;39221
6; 953.8; 31-AUG-2009 01:48:04; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;39221
7; 1325.8; 31-AUG-2009 01:54:16; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;39221
8; 1895.7; 31-AUG-2009 02:03:46; Bright; 39.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 78; 0;39221
9; 2257.3; 31-AUG-2009 02:09:47; Bright; 48.5; 90; 54Alp Peg ; 2.49; 11000;occ; 97; 0;39221
10; 2508.1; 31-AUG-2009 02:13:58; Bright; 43.5; 164; 44Eta Peg ; 2.95; 5400;occ; 87; 0;39221
11; 3151.9; 31-AUG-2009 02:24:42; Bright; 42.0; 74; 11Bet Cas ; 2.27; 6600;occ; 84; 0;39221
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2; -1657.9; 31-AUG-2009 02:45:08; Bright; 47.0; 107; 37The Aur ; 2.65; 11000;occ; 94; 0;39221
3; -1353.2; 31-AUG-2009 02:50:13; Dark ; 55.0; 151; 13Mu Gem ; 2.89; 3000;occ; 110; 0;39221
4; -1248.6; 31-AUG-2009 02:51:57; Dark ; 48.5; 44; 24Gam Gem ; 1.93; 11000;occ; 97; 0;39221
5; -732.4; 31-AUG-2009 03:00:34; Dark ; 64.0; 30; 46Eps Ori ; 1.69; 30000;occ; 128; 0;39221
6; -595.2; 31-AUG-2009 03:02:51; Dark ; 48.5; 47; 2Bet CMA ; 1.98; 28000;occ; 97; 0;39221
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12; 1895.9; 31-AUG-2009 03:44:22; Bright; 56.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 112; 0;39222
13; 2257.0; 31-AUG-2009 03:50:23; Bright; 48.5; 90; 54Alp Peg ; 2.49; 11000;occ; 97; 0;39222
14; 2507.7; 31-AUG-2009 03:54:34; Bright; 43.5; 164; 44Eta Peg ; 2.95; 5400;occ; 87; 0;39222
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6; -731.4; 31-AUG-2009 04:41:11; Dark ; 63.5; 30; 46Eps Ori ; 1.69; 30000;occ; 127; 0;39222
7; -594.7; 31-AUG-2009 04:43:27; Dark ; 48.0; 47; 2Bet CMA ; 1.98; 28000;occ; 96; 0;39222
8; -427.8; 31-AUG-2009 04:46:14; Dark ; 56.0; 101; 11Alp Lep ; 2.58; 7000;occ; 112; 0;39222
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10; 472.9; 31-AUG-2009 05:01:15; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;39223
11; 955.2; 31-AUG-2009 05:09:17; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;39223
12; 1326.4; 31-AUG-2009 05:15:28; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;39223
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15; 2507.3; 31-AUG-2009 05:35:09; Bright; 43.5; 164; 44Eta Peg ; 2.95; 5400;occ; 87; 0;39223
16; 3150.6; 31-AUG-2009 05:45:53; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39223

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3; 2502.7; 31-AUG-2009 20:40:28; Bright; 40.5; 164; 44Eta Peg ; 2.95; 5400;occ; 81; 0;39232
4; 3144.8; 31-AUG-2009 20:51:10; Bright; 43.0; 74; 11Bet Cas ; 2.27; 6600;occ; 86; 0;39232
5; 3273.2; 31-AUG-2009 20:53:19; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;39232
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1; 1328.7; 31-AUG-2009 18:40:18; Dark ; 45.0; 18; 24Alp PsA ; 1.17; 9700;occ; 90; 0;39231
2; 2252.0; 31-AUG-2009 18:55:41; Bright; 48.5; 90; 54Alp Peg ; 2.49; 11000;occ; 97; 0;39231
3; 2503.2; 31-AUG-2009 18:59:53; Bright; 42.5; 164; 44Eta Peg ; 2.95; 5400;occ; 85; 0;39231
4; 3145.5; 31-AUG-2009 19:10:35; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;39231
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
14; 6519.9; 31-AUG-2009 20:06:49; Dark ; 56.5; 157; The1Eri ; 2.91; 9300;occ; 113; 0;39231
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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