

# GOMOS Daily Report 10-AUG-2010

## 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	13AUG2010 04:51:22
Data source version	GOMOS/5.01
Start time of products	10AUG2010 00:00:07
Stop time of products	10AUG2010 23:59:00
Store outputs in DB	Yes
Nb of level 1b prods	159
Nb of prods with errors	1

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

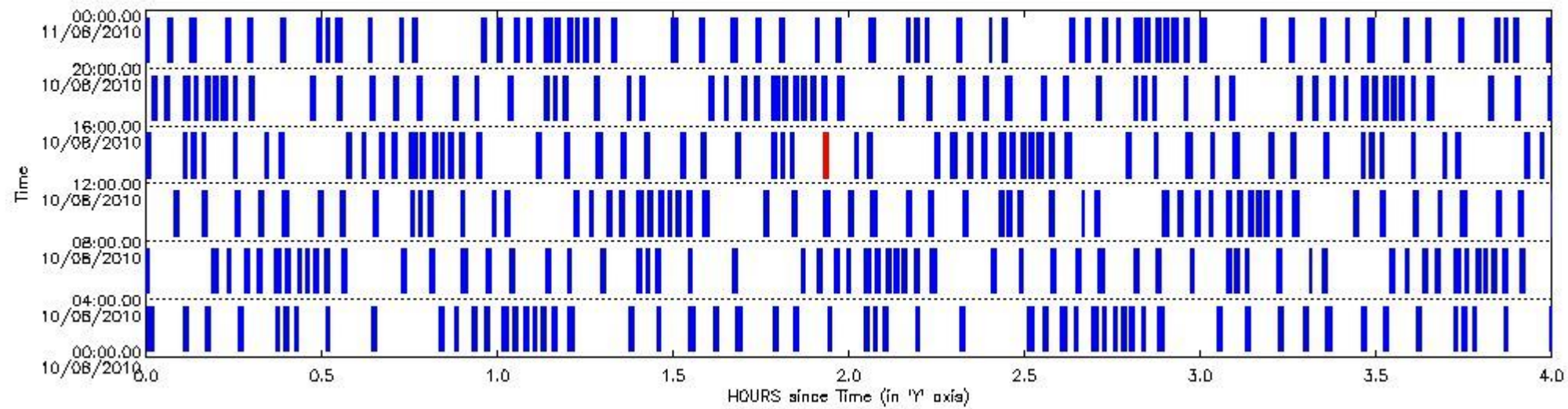
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
10-AUG-2010 13:55:33	5AlpCep	89	44152

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

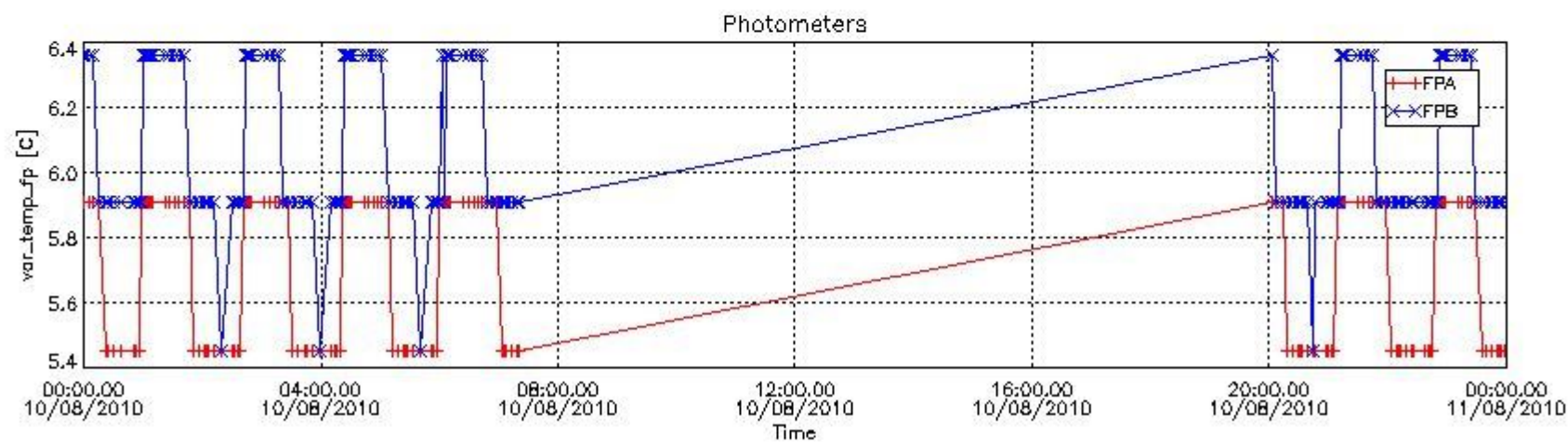
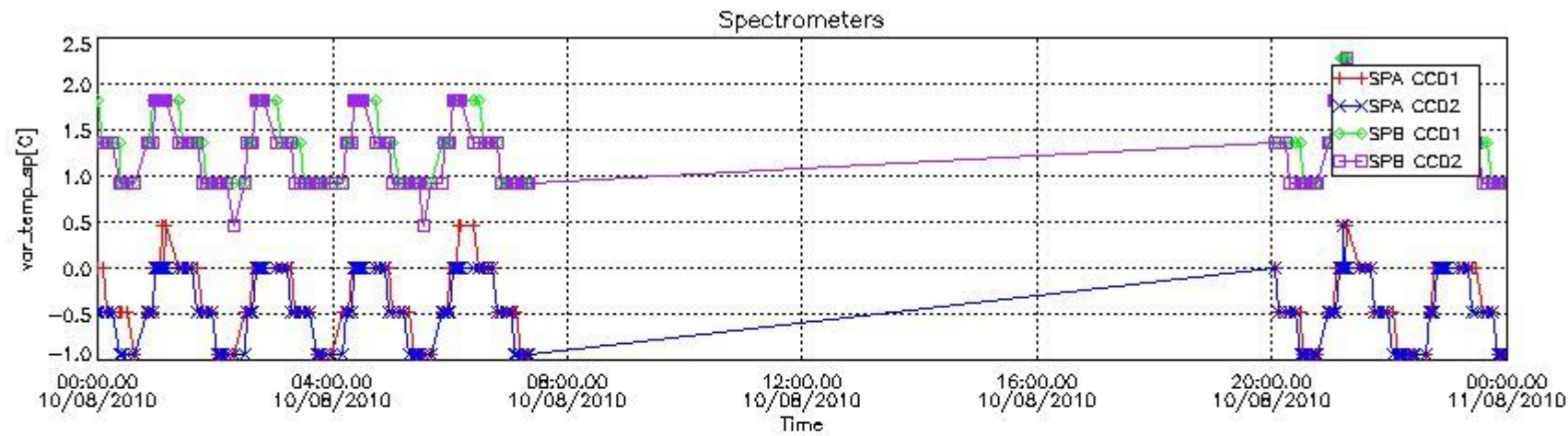
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100810_000007_000000642092_00002_44144_4049.N1	10-AUG-2010 00:00:07	Twilight_and_stray	63.500	18	24Alp PsA	1.1660	9700.0	127	44144	No
2	GOM_TRA_1PNPDE20100810_000620_000000502092_00002_44144_4050.N1	10-AUG-2010 00:06:20	Bright	50.000	142	49Del Cap	2.8500	8900.0	100	44144	No
3	GOM_TRA_1PNPDE20100810_001003_000000472092_00002_44144_4051.N1	10-AUG-2010 00:10:03	Bright	46.500	154	22Bet Aqr	2.8990	5700.0	93	44144	No
4	GOM_TRA_1PNPDE20100810_001548_000000342092_00002_44144_4052.N1	10-AUG-2010 00:15:48	Twilight_and_stray	34.000	61	8Eps Peg	2.1000	3900.0	68	44144	No
5	GOM_TRA_1PNPDE20100810_002205_000000382092_00002_44144_4053.N1	10-AUG-2010 00:22:05	Bright	38.000	92	53Eps Cyg	2.5000	4500.0	76	44144	No
6	GOM_TRA_1PNPDE20100810_002331_000000382092_00002_44144_4054.N1	10-AUG-2010 00:23:31	Bright	37.500	66	37Gam Cyg	2.2080	5900.0	75	44144	No
7	GOM_TRA_1PNPDE20100810_002516_000000432092_00002_44144_4055.N1	10-AUG-2010 00:25:16	Bright	42.500	19	50Alp Cyg	1.2460	10500.0	85	44144	No
8	GOM_TRA_1PNPDE20100810_003041_000000412092_00002_44144_4056.N1	10-AUG-2010 00:30:41	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	44144	No
9	GOM_TRA_1PNPDE20100810_003825_000000482092_00002_44144_4057.N1	10-AUG-2010 00:38:25	Bright	47.500	76	27Gam Cas	2.3000	30000.0	95	44144	No
10	GOM_TRA_1PNPDE20100810_004957_000000442092_00002_44144_4058.N1	10-AUG-2010 00:49:57	Bright	44.000	6	13Alp Aur	0.080000	3400.0	88	44144	No





129	GOM_TRA_1PNPDE20100810_215409_000000462092_00015_44157_4265.N1	10-AUG-2010 21:54:09	Bright	45.500	142	49Del Cap	2.8500	8900.0	91	44157	No
130	GOM_TRA_1PNPDE20100810_215749_000000462092_00015_44157_4266.N1	10-AUG-2010 21:57:49	Bright	46.000	154	22Bet Aqr	2.8990	5700.0	92	44157	No
131	GOM_TRA_1PNPDE20100810_220329_000000532092_00015_44157_4267.N1	10-AUG-2010 22:03:29	Bright	53.000	61	8Eps Peg	2.1000	3900.0	106	44157	No
132	GOM_TRA_1PNPDE20100810_220948_000000402092_00015_44157_4268.N1	10-AUG-2010 22:09:48	Bright	39.500	92	53Eps Cyg	2.5000	4500.0	79	44157	No
133	GOM_TRA_1PNPDE20100810_221115_000000382092_00015_44157_4269.N1	10-AUG-2010 22:11:15	Bright	37.500	66	37Gam Cyg	2.2080	5900.0	75	44157	No
134	GOM_TRA_1PNPDE20100810_221259_000000392092_00015_44157_4270.N1	10-AUG-2010 22:12:59	Bright	38.500	19	50Alp Cyg	1.2460	10500.	77	44157	No
135	GOM_TRA_1PNPDE20100810_221824_000000412092_00015_44157_4271.N1	10-AUG-2010 22:18:24	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	44157	No
136	GOM_TRA_1PNPDE20100810_222353_000000312092_00015_44157_4272.N1	10-AUG-2010 22:23:53	Twilight	31.000	74	11Bet Cas	2.2680	6600.0	62	44157	No
137	GOM_TRA_1PNPDE20100810_222603_000000482092_00015_44157_4273.N1	10-AUG-2010 22:26:03	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	44157	No
138	GOM_TRA_1PNPDE20100810_223744_000000482092_00015_44157_4274.N1	10-AUG-2010 22:37:44	Bright	48.000	6	13Alp Aur	0.080000	3400.0	96	44157	No
139	GOM_TRA_1PNPDE20100810_224026_000000382092_00015_44157_4275.N1	10-AUG-2010 22:40:26	Bright	37.500	107	37The Aur	2.6490	11000.	75	44157	No
140	GOM_TRA_1PNPDE20100810_224323_000000462092_00015_44157_4276.N1	10-AUG-2010 22:43:23	Twilight	45.500	28	12Bet Tau	1.6500	15200.	91	44157	No
141	GOM_TRA_1PNPDE20100810_224538_000000432092_00015_44157_4277.N1	10-AUG-2010 22:45:38	Twilight	43.000	176	23Zet Tau	3.0200	22000.	86	44157	No
142	GOM_TRA_1PNPDE20100810_224839_000000752092_00015_44157_4278.N1	10-AUG-2010 22:48:39	Dark	74.500	13	87Alp Tau	0.86700	3800.0	149	44157	No
143	GOM_TRA_1PNPDE20100810_225031_000000502092_00015_44157_4279.N1	10-AUG-2010 22:50:31	Dark	50.000	27	24Gam Ori	1.6360	26000.	100	44157	No
144	GOM_TRA_1PNPDE20100810_225226_000000462092_00015_44157_4280.N1	10-AUG-2010 22:52:26	Dark	45.500	30	46Eps Ori	1.6940	30000.	91	44157	No
145	GOM_TRA_1PNPDE20100810_225349_000000432092_00015_44157_4281.N1	10-AUG-2010 22:53:49	Dark	42.500	125	44Iot Ori	2.7700	30000.	85	44157	No
146	GOM_TRA_1PNPDE20100810_225512_000000512092_00015_44157_4282.N1	10-AUG-2010 22:55:12	Dark	51.000	7	19Bet Ori	0.10000	14000.	102	44157	No
147	GOM_TRA_1PNPDE20100810_225712_000000452092_00015_44157_4279.N1	10-AUG-2010 22:57:12	Dark	44.500	101	11Alp Lep	2.5820	7000.0	89	44157	No
148	GOM_TRA_1PNPDE20100810_231021_000000482092_00016_44158_4280.N1	10-AUG-2010 23:10:21	Dark	48.000	157	The1Eri	2.9060	9300.0	96	44158	No
149	GOM_TRA_1PNPDE20100810_231504_000000502092_00016_44158_4281.N1	10-AUG-2010 23:15:04	Dark	50.000	9	Alp Eri	0.45300	24000.	100	44158	No
150	GOM_TRA_1PNPDE20100810_232033_000000522092_00016_44158_4282.N1	10-AUG-2010 23:20:33	Straylight	52.000	84	Alp Phe	2.3970	4500.0	104	44158	No
151	GOM_TRA_1PNPDE20100810_232445_000000422092_00016_44158_4283.N1	10-AUG-2010 23:24:45	Straylight	41.500	31	Alp Gru	1.7340	15200.	83	44158	No
152	GOM_TRA_1PNPDE20100810_232837_000000602092_00016_44158_4284.N1	10-AUG-2010 23:28:37	Twilight	60.000	18	24Alp PsA	1.1660	9700.0	120	44158	No
153	GOM_TRA_1PNPDE20100810_233445_000000502092_00016_44158_4285.N1	10-AUG-2010 23:34:45	Bright	50.000	142	49Del Cap	2.8500	8900.0	100	44158	No
154	GOM_TRA_1PNPDE20100810_233825_000000452092_00016_44158_4286.N1	10-AUG-2010 23:38:25	Bright	45.000	154	22Bet Aqr	2.8990	5700.0	90	44158	No
155	GOM_TRA_1PNPDE20100810_234405_000000542092_00016_44158_4287.N1	10-AUG-2010 23:44:05	Bright	53.500	61	8Eps Peg	2.1000	3900.0	107	44158	No
156	GOM_TRA_1PNPDE20100810_235023_000000382092_00016_44158_4288.N1	10-AUG-2010 23:50:23	Bright	37.500	92	53Eps Cyg	2.5000	4500.0	75	44158	No
157	GOM_TRA_1PNPDE20100810_235151_000000362092_00016_44158_4289.N1	10-AUG-2010 23:51:51	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	44158	No
158	GOM_TRA_1PNPDE20100810_235335_000000412092_00016_44158_4290.N1	10-AUG-2010 23:53:35	Bright	40.500	19	50Alp Cyg	1.2460	10500.	81	44158	No
159	GOM_TRA_1PNPDE20100810_235900_000000392092_00016_44158_4291.N1	10-AUG-2010 23:59:00	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	44158	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).

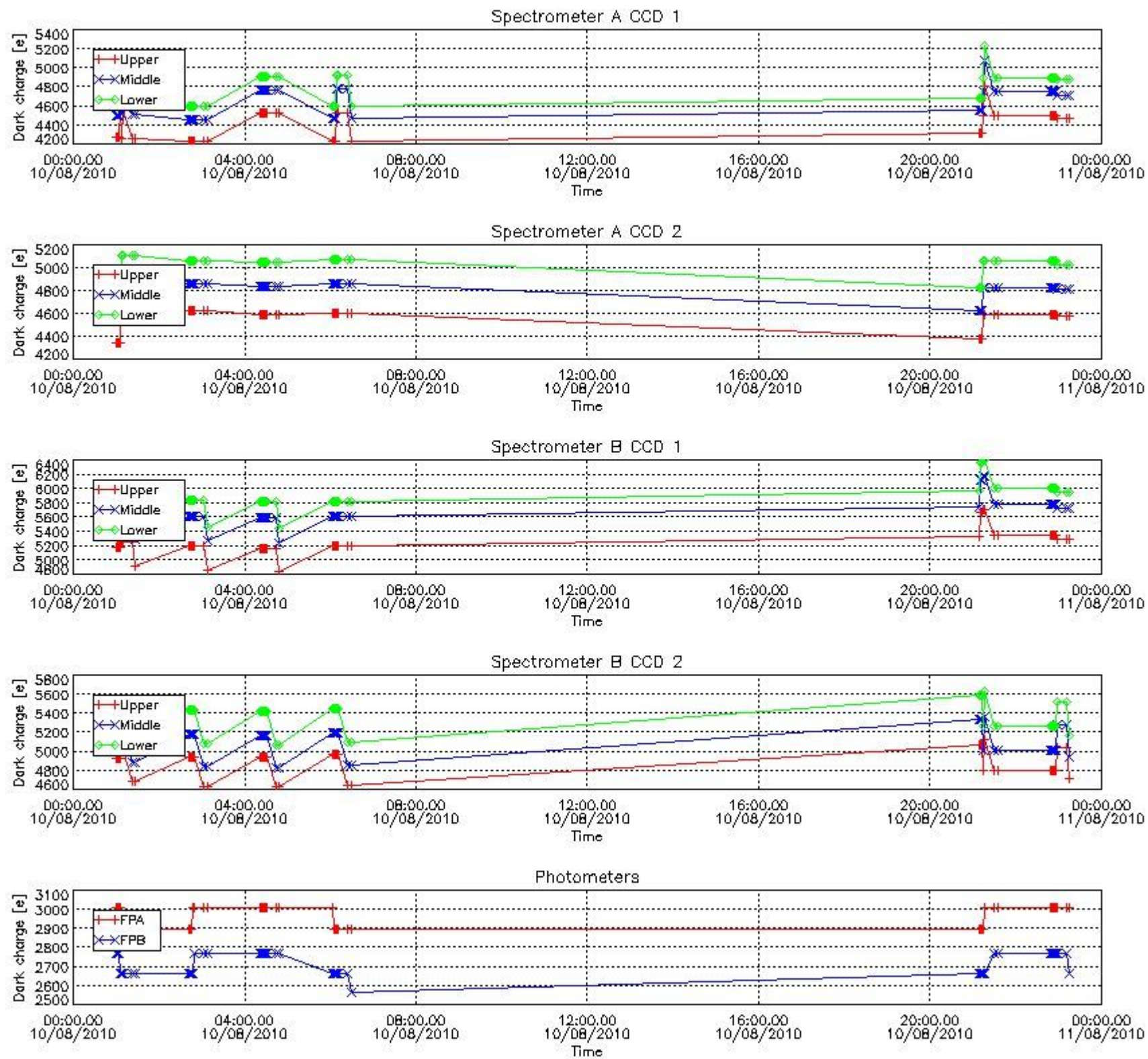
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

##### 4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20100810_200333_000000502092_00014_44156_4391.N1	DC map used
GOM_TRA_1PNPDE20100810_200724_000000602092_00014_44156_4392.N1	DC map used
GOM_TRA_1PNPDE20100810_201333_000000492092_00014_44156_4393.N1	DC map used
GOM_TRA_1PNPDE20100810_201713_000000462092_00014_44156_4394.N1	DC map used
GOM_TRA_1PNPDE20100810_202254_000000502092_00014_44156_4395.N1	DC map used
GOM_TRA_1PNPDE20100810_202912_000000402092_00014_44156_4396.N1	DC map used
GOM_TRA_1PNPDE20100810_203040_000000372092_00014_44156_4397.N1	DC map used
GOM_TRA_1PNPDE20100810_203224_000000572092_00014_44156_4398.N1	DC map used
GOM_TRA_1PNPDE20100810_203748_000000412092_00014_44156_4399.N1	DC map used
GOM_TRA_1PNPDE20100810_204318_000000312092_00014_44156_4400.N1	DC map used
GOM_TRA_1PNPDE20100810_204528_000000502092_00014_44156_4401.N1	DC map used
GOM_TRA_1PNPDE20100810_205708_000000462092_00014_44156_4402.N1	DC map used
GOM_TRA_1PNPDE20100810_205950_000000562092_00014_44156_4403.N1	DC map used
GOM_TRA_1PNPDE20100810_210248_000000462092_00014_44156_4404.N1	DC map used

GOM_TRA_1PNPDE20100810_210501_000000452092_00014_44156_4405.N1	DC map used
GOM_TRA_1PNPDE20100810_210803_000000672092_00014_44156_4406.N1	DC map used
GOM_TRA_1PNPDE20100810_210954_000000502092_00014_44156_4407.N1	DC map used
GOM_TRA_1PNPDE20100810_211150_000000492092_00014_44156_4408.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

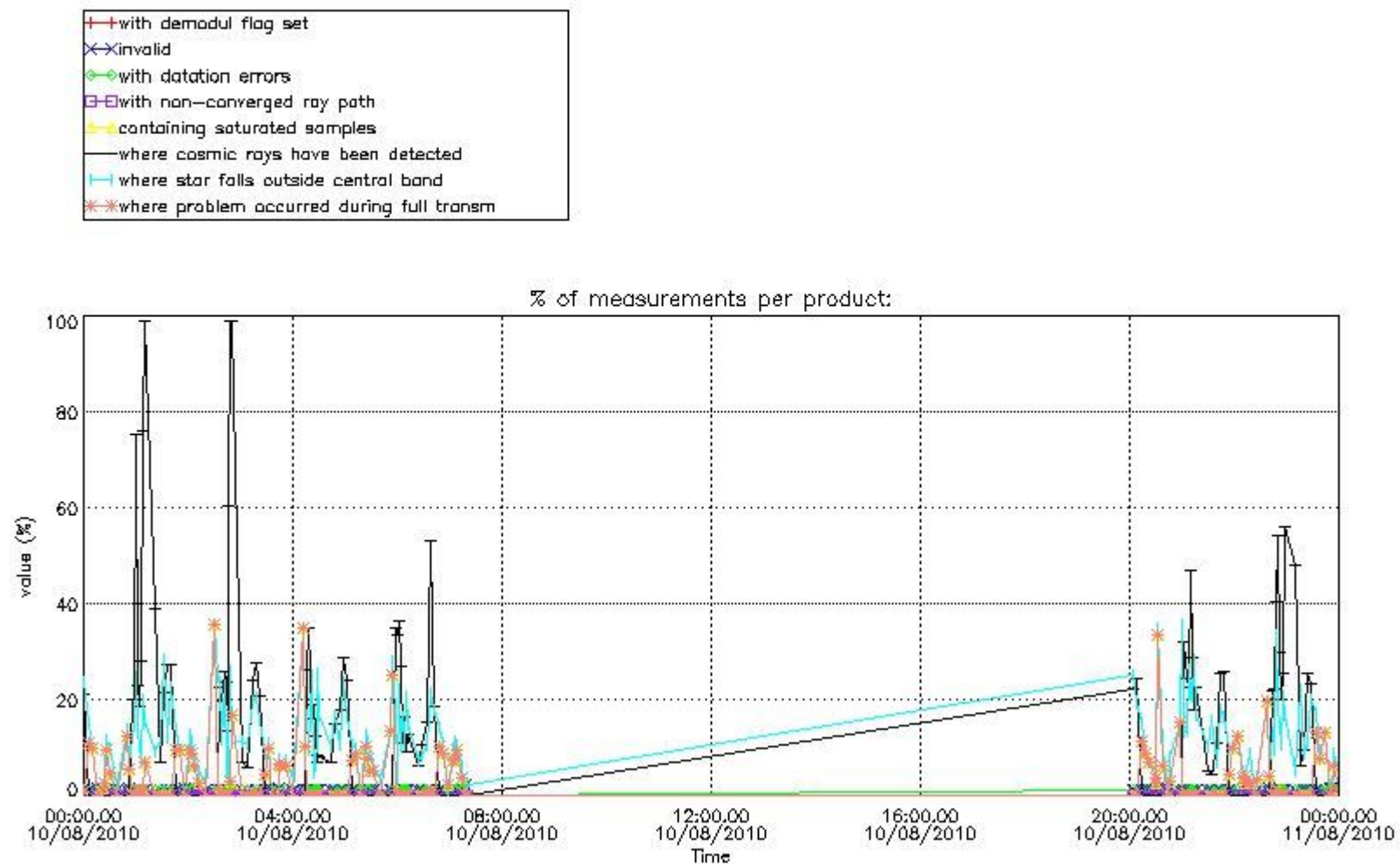
In this section it is presented the modulation information extracted from the pcd (product confidence data)

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:

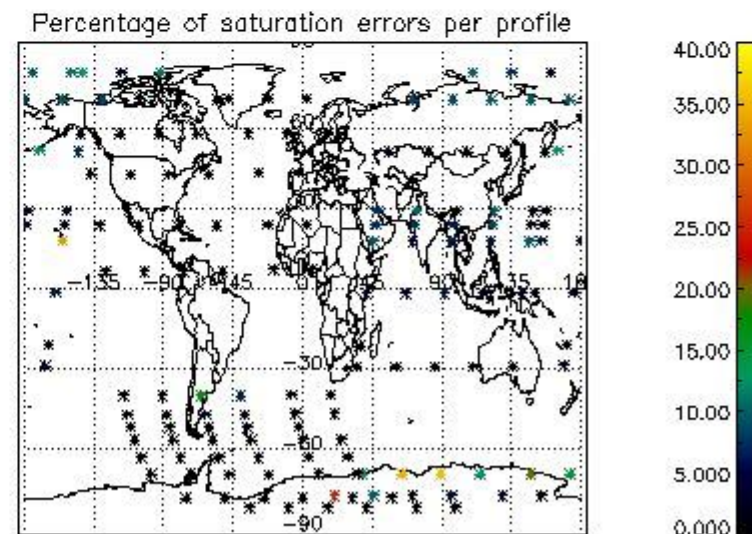
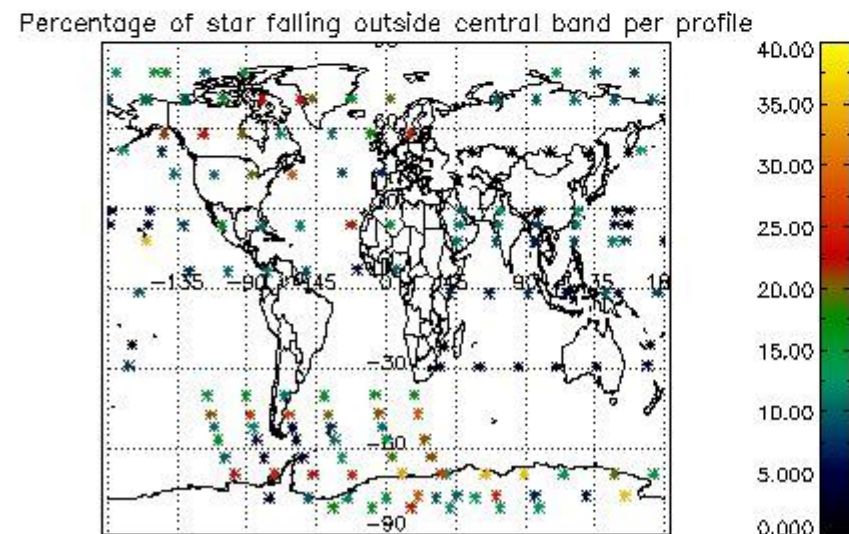
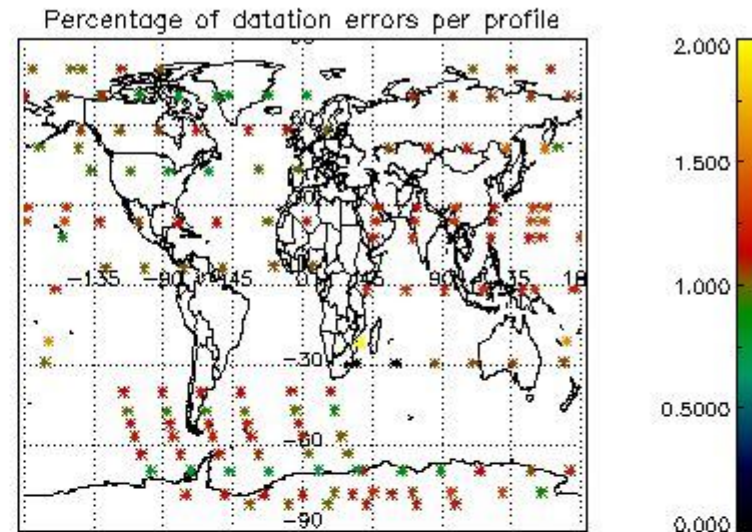
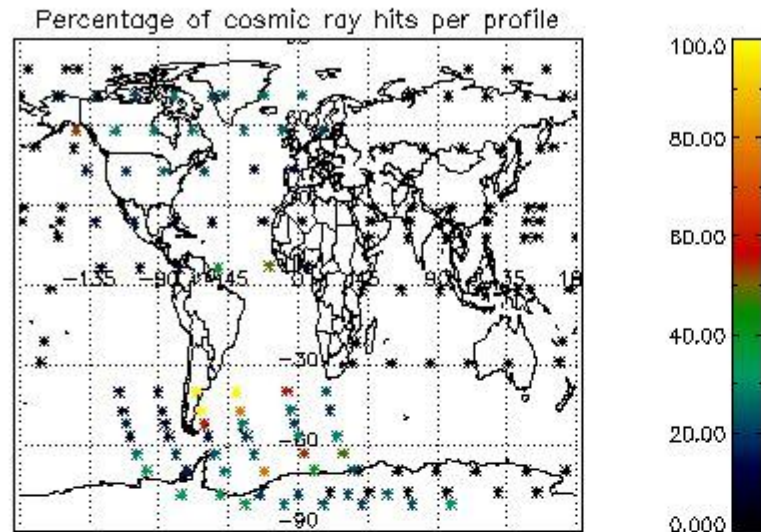
At least one measurement with demodulation flag set:	43.0380 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

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



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





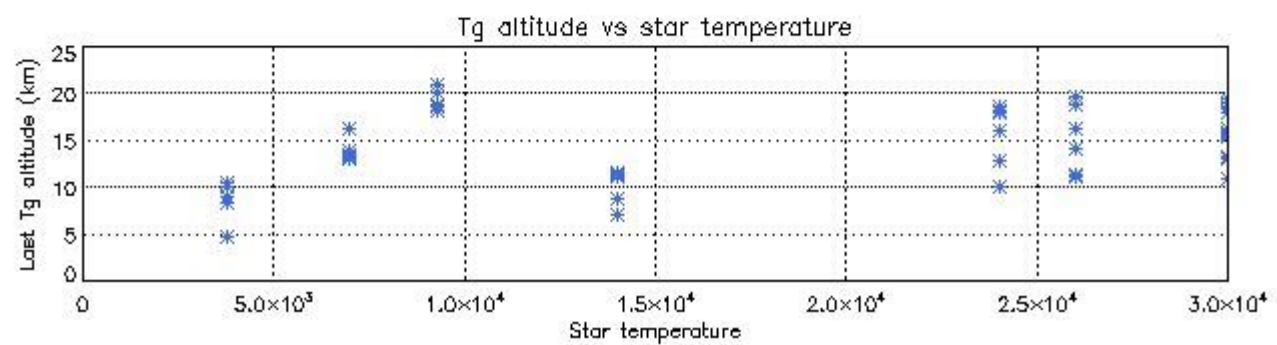
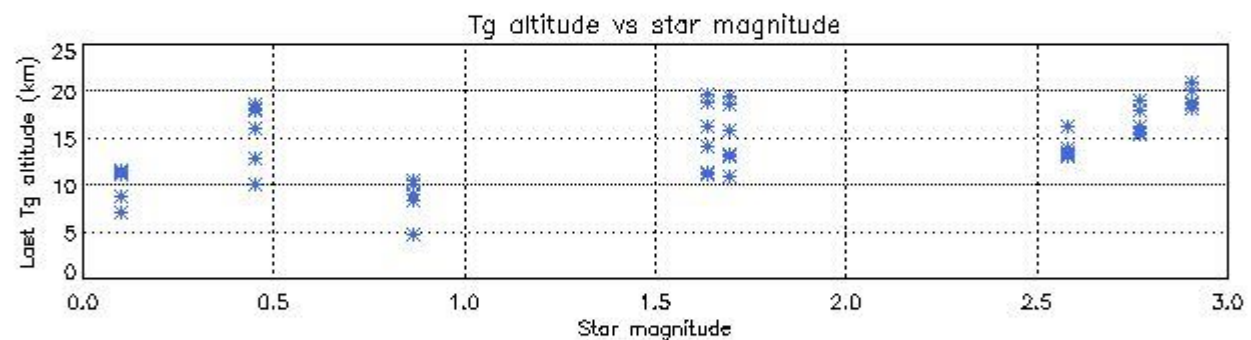
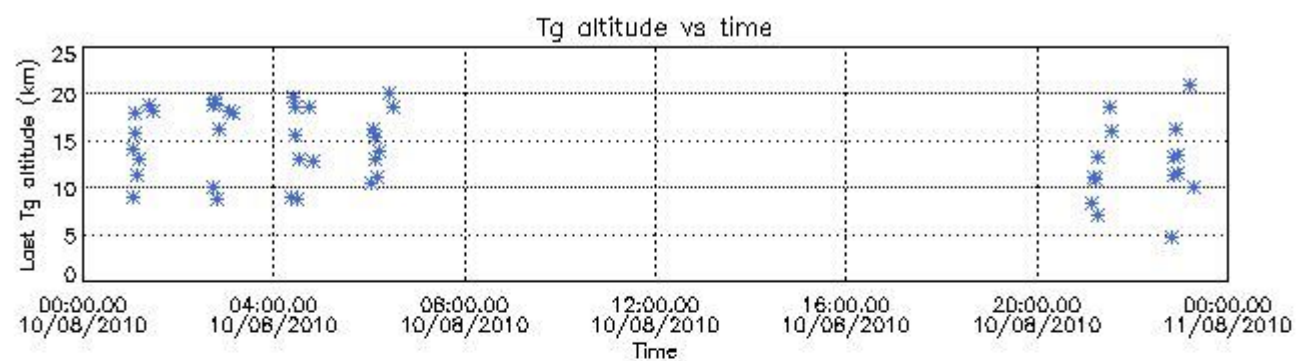
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.204	18.847	NaN
St. deviation:	4.0782	5.8139	NaN
Maximum:	20.940	37.030	NaN
Minimum:	4.5955	3.4407	NaN
Number of data:	47.000	73.000	NaN

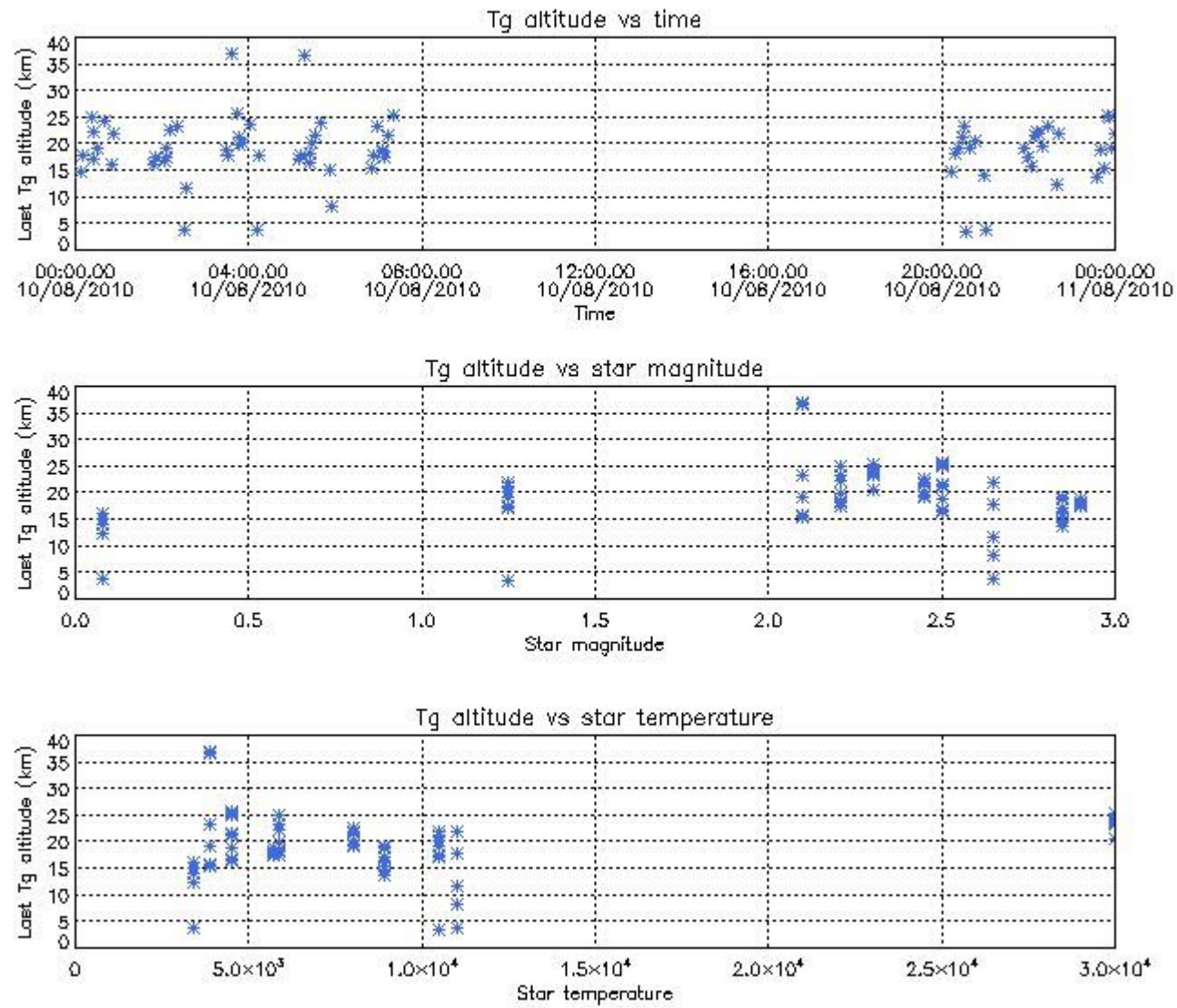
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

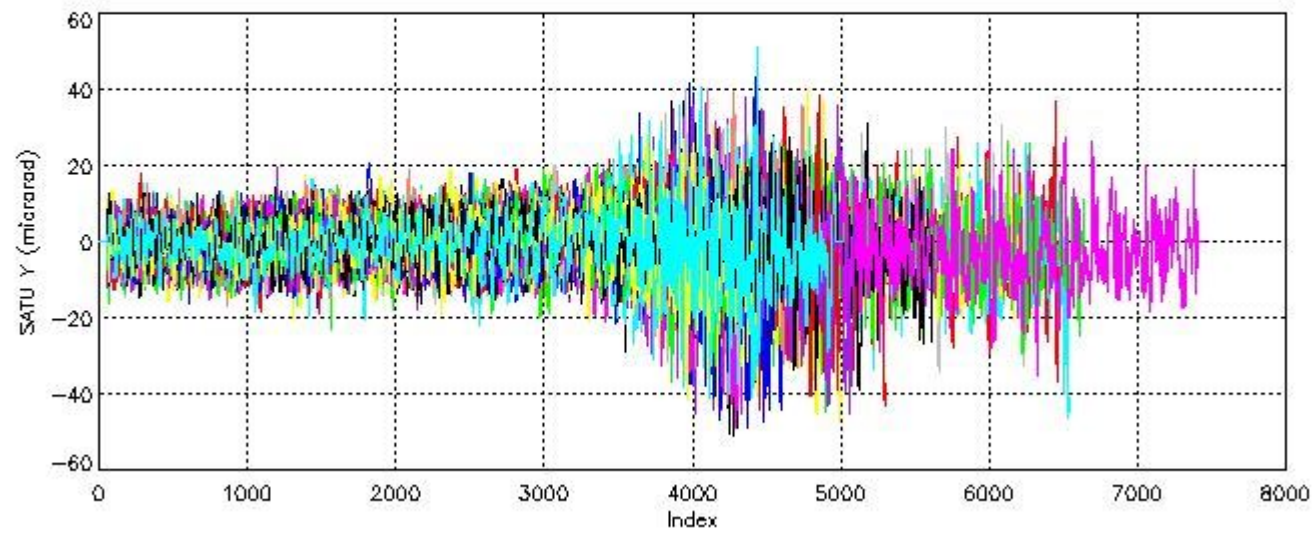
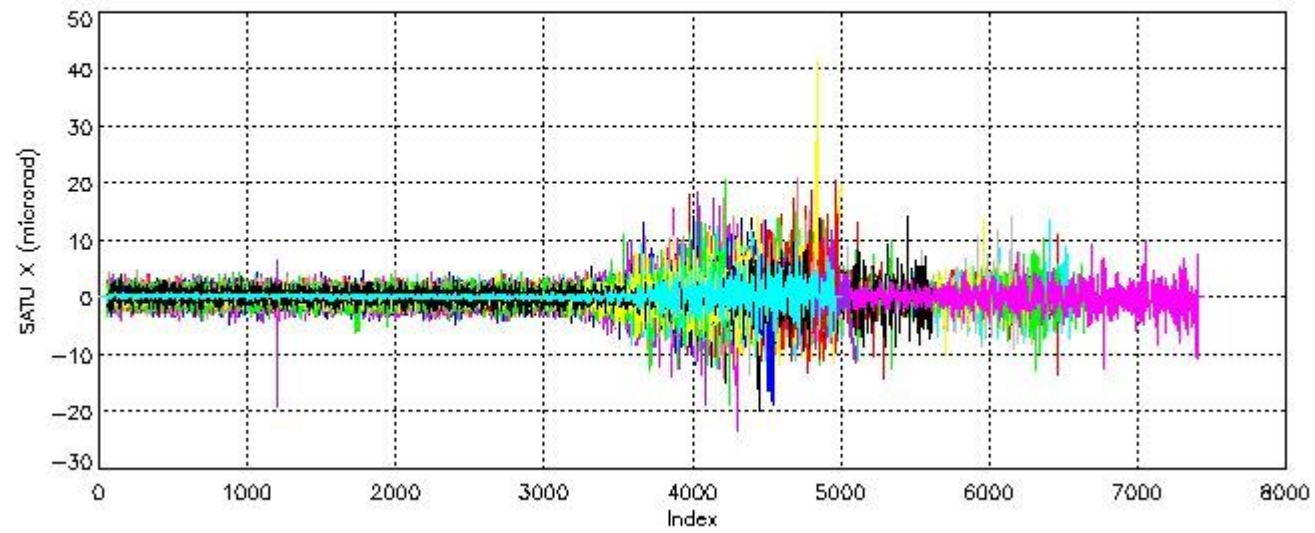


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.19914	-1.0924	0.23383	-0.83168
St. deviation:	0.61221	4.2026	0.75134	4.2465
Maximum:	4.8000	17.700	5.3000	18.700
Minimum:	-4.8000	-18.500	-4.7000	-20.100

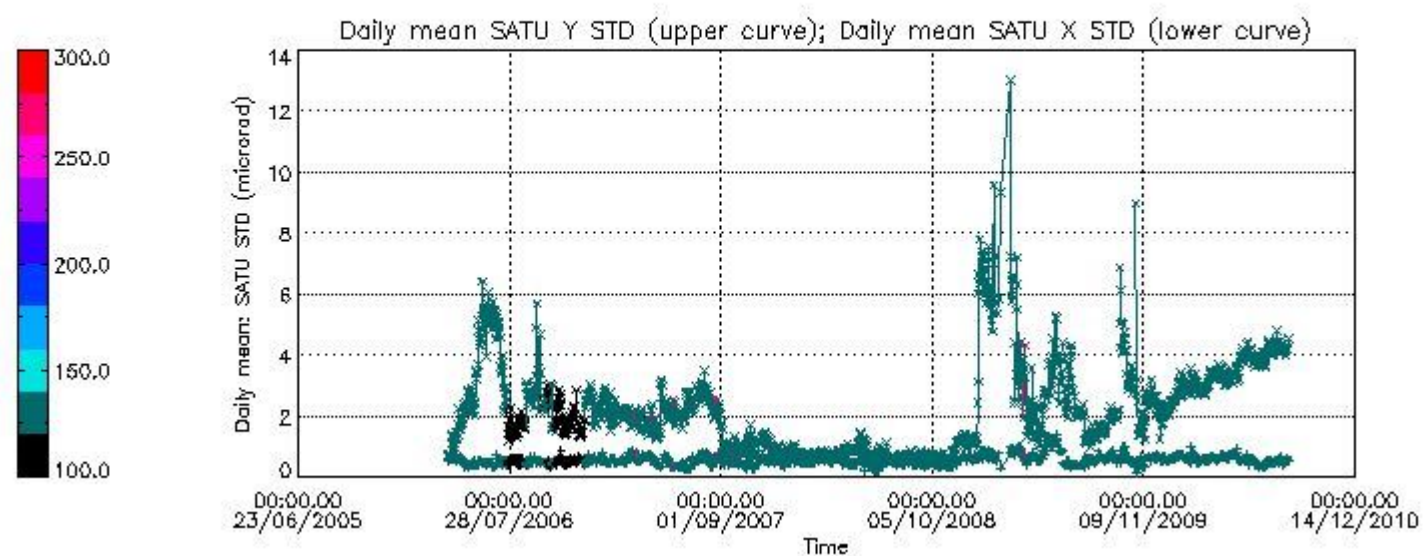
Number of data:	48500.	48500.	73950.	73950.
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### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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.

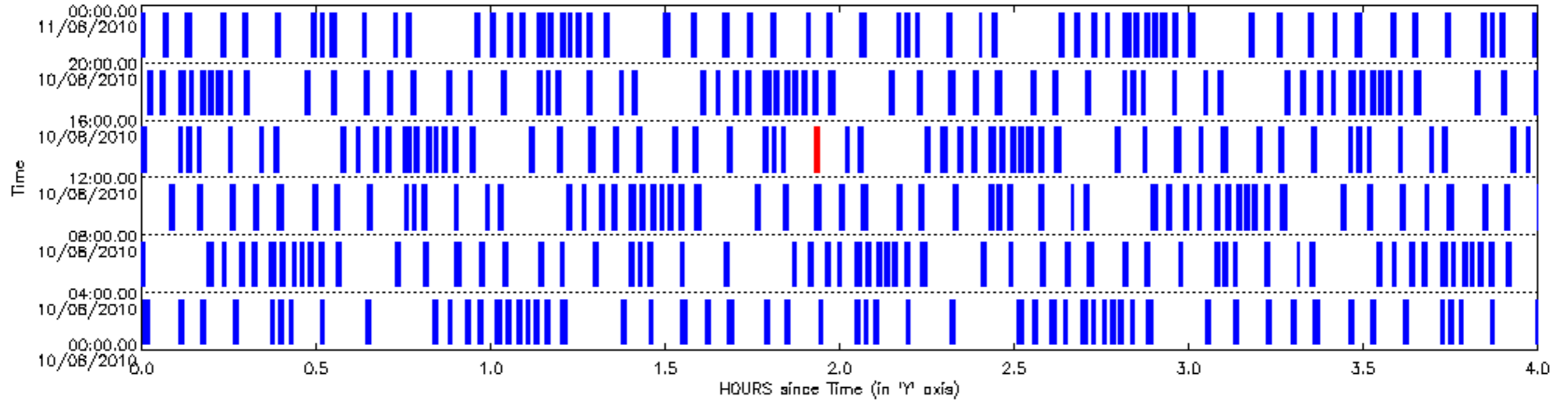
Upper curve: STD of SATU Y axis  
Lower curve: STD of SATU X axis

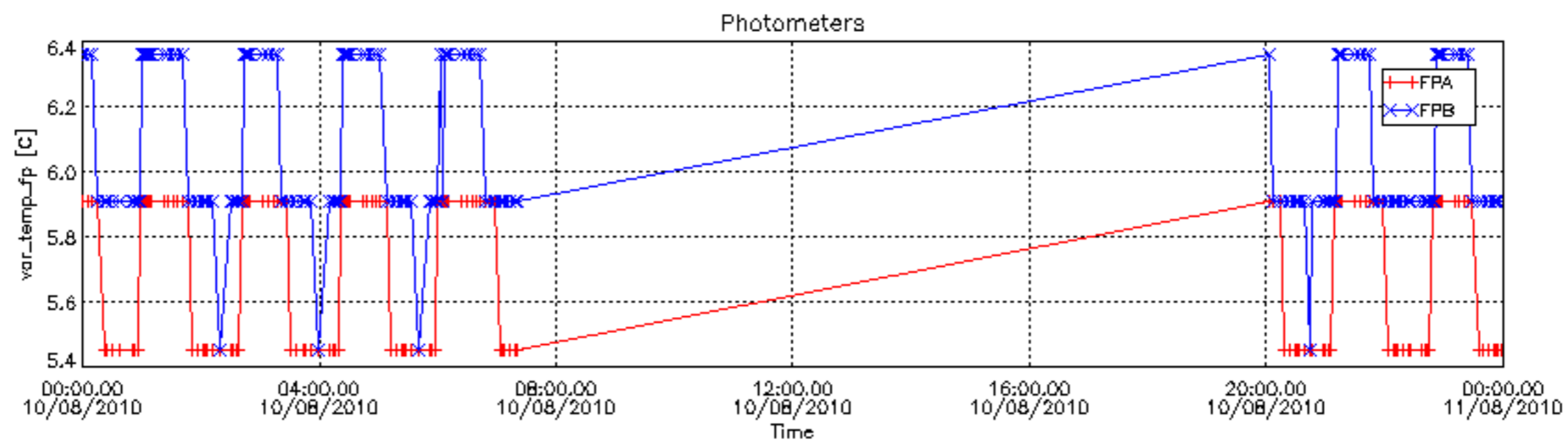
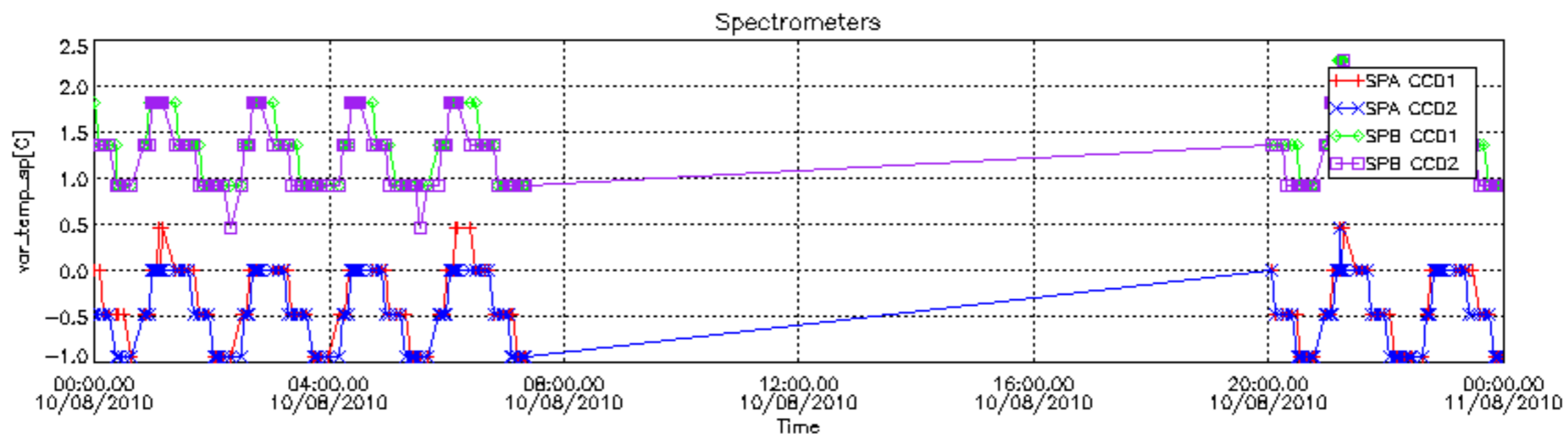


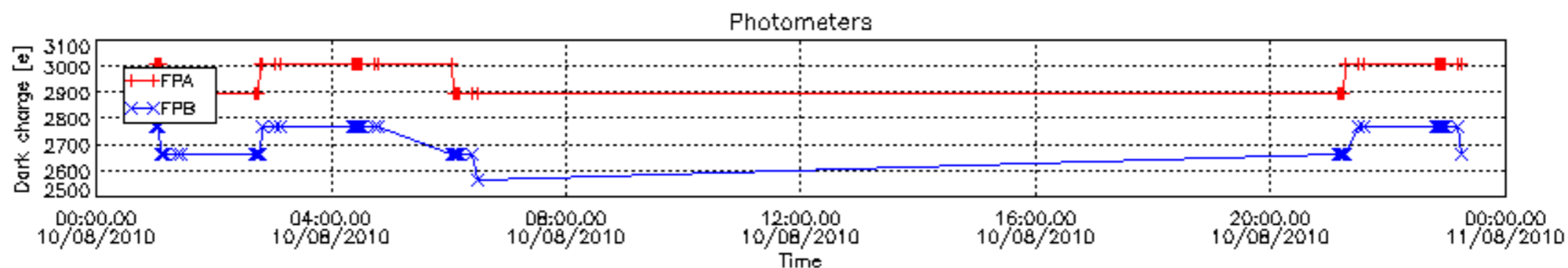
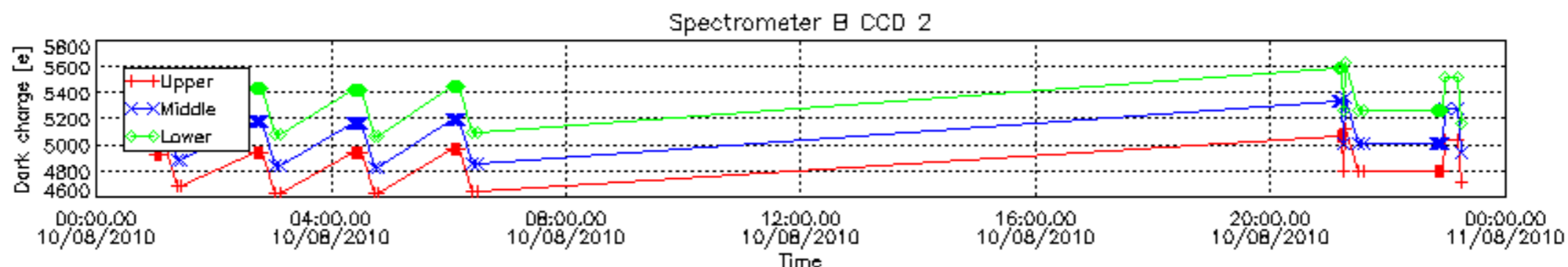
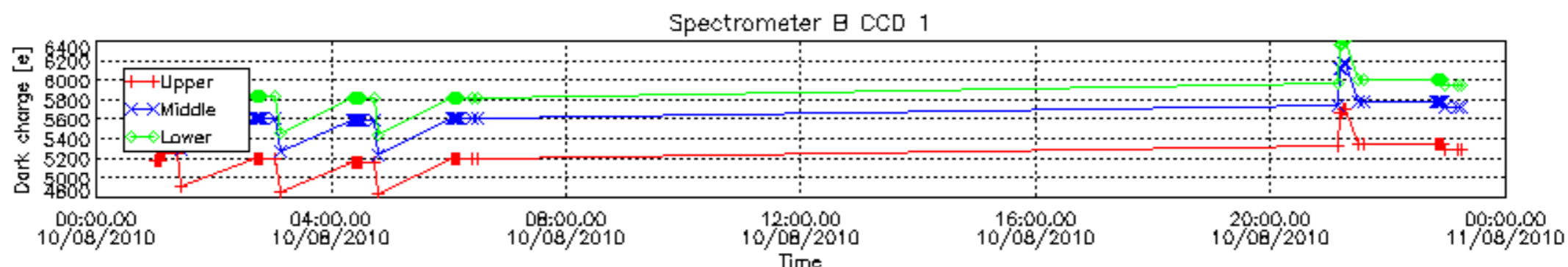
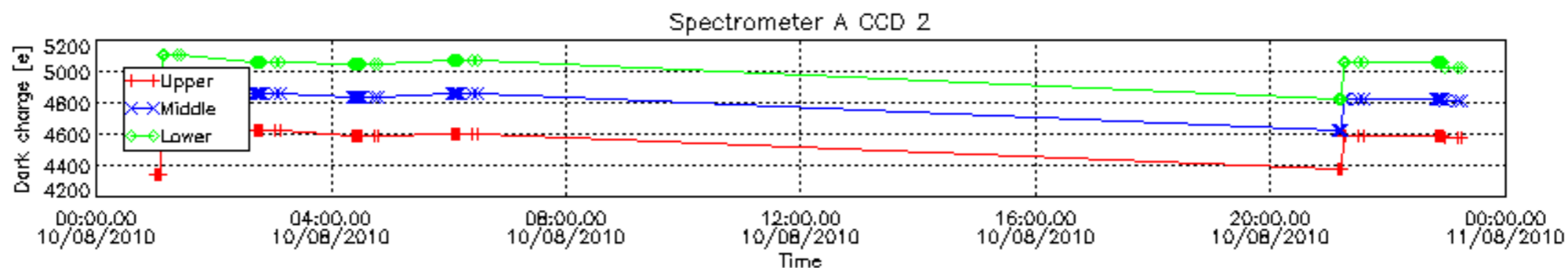
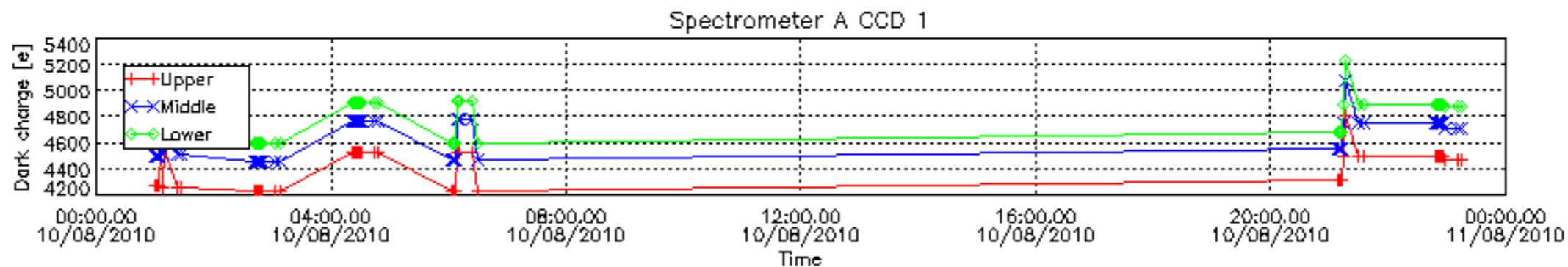
### 8. Auxiliary Data Files used for the production reported in section 2.4

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.

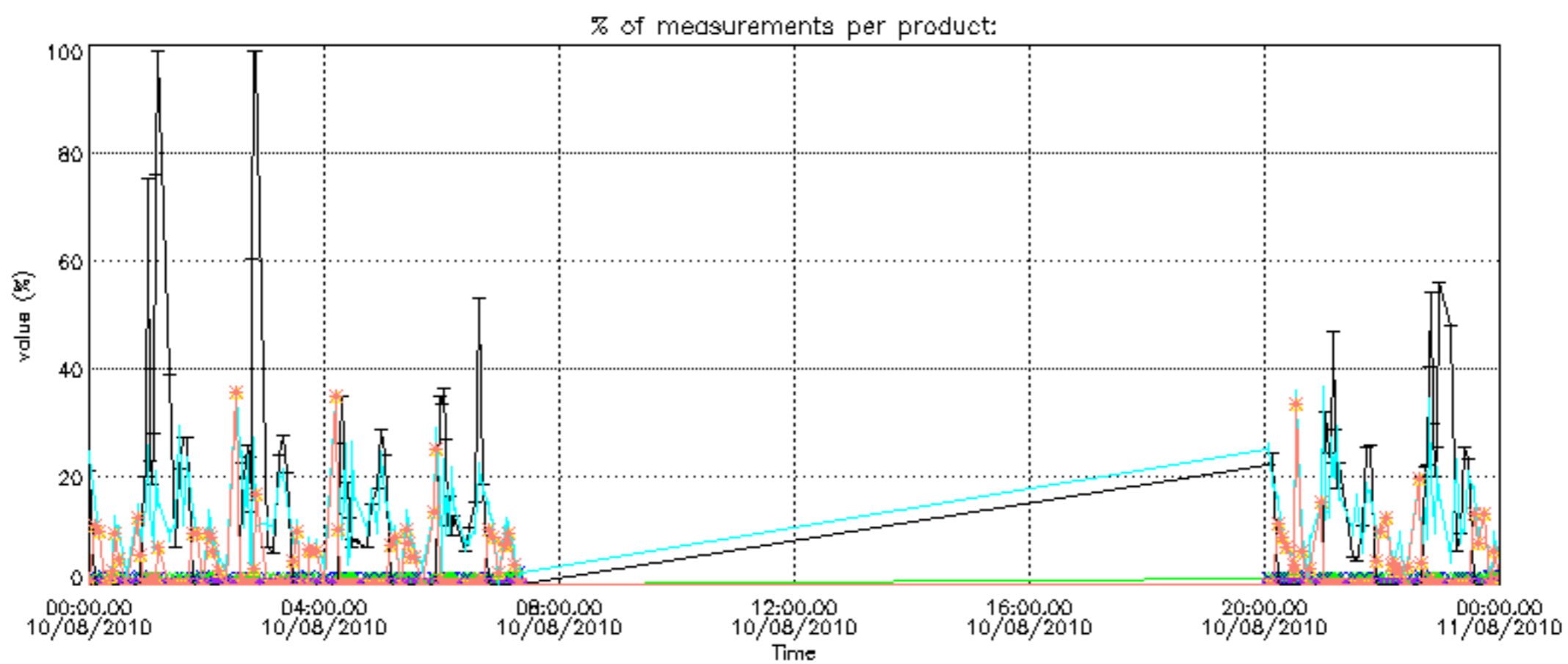
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	10-AUG-2010 00:00:07
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100803_130100_20100801_000000_20500101_000000	1	10-AUG-2010 00:00:07
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100810_092831_20100808_000000_20500101_000000	103	10-AUG-2010 20:03:33
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	10-AUG-2010 00:00:07
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	10-AUG-2010 00:00:07
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	10-AUG-2010 00:00:07
ECMWF_FILE	AUX_ECF_AXNECM20100809_054114_20100809_210000_20100810_090000	1	10-AUG-2010 00:00:07
ECMWF_FILE	AUX_ECF_AXNECM20100809_172113_20100810_030000_20100810_150000	54	10-AUG-2010 03:51:52
ECMWF_FILE	AUX_ECA_AXNECM20100810_052112_20100809_210000_20100810_090000	79	10-AUG-2010 05:51:45
ECMWF_FILE	AUX_ECF_AXNECM20100810_054114_20100810_150000_20100811_030000	103	10-AUG-2010 20:03:33
ECMWF_FILE	AUX_ECF_AXNECM20100810_054114_20100810_210000_20100811_090000	121	10-AUG-2010 21:13:13
OPTIONAL_ECMWF_FILE	MISSING	1	10-AUG-2010 00:00:07
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100809_092113_20100808_190947_20100818_203601	1	10-AUG-2010 00:00:07
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100810_010221_000095642092_00002_44144_0920.N1	18	10-AUG-2010 01:07:17
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100810_034704_000063762092_00004_44146_0921.N1	54	10-AUG-2010 03:51:52
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100810_053838_000057382092_00005_44147_0922.N1	79	10-AUG-2010 05:51:45
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100810_195922_000041442092_00014_44156_0923.N1	103	10-AUG-2010 20:03:33
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100810_210826_000060572092_00014_44156_0924.N1	121	10-AUG-2010 21:13:13
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100810_225442_000057382092_00015_44157_0925.N1	147	10-AUG-2010 22:57:12



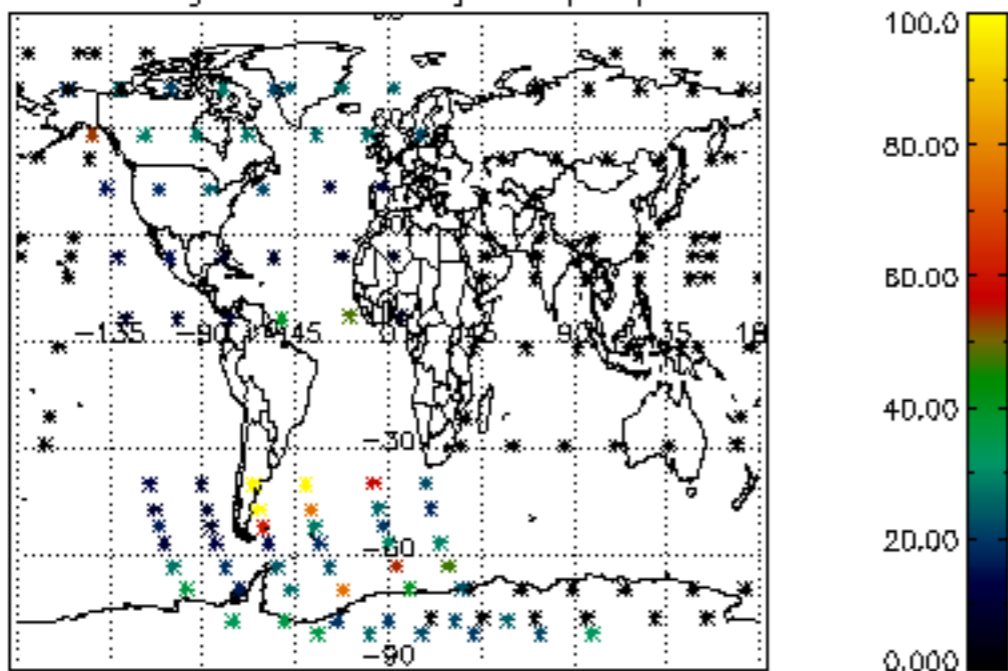




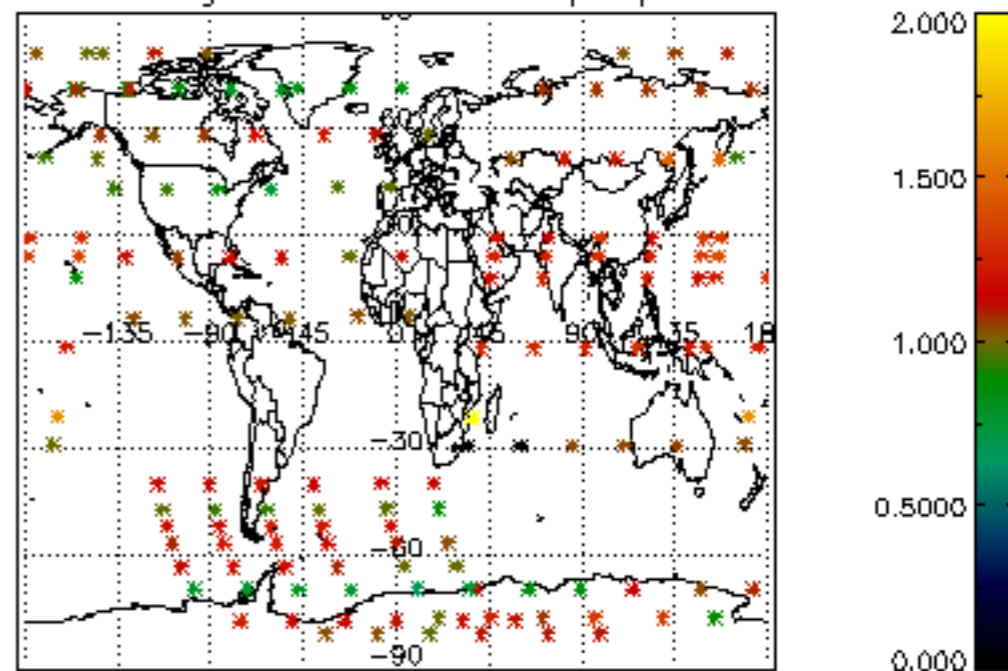




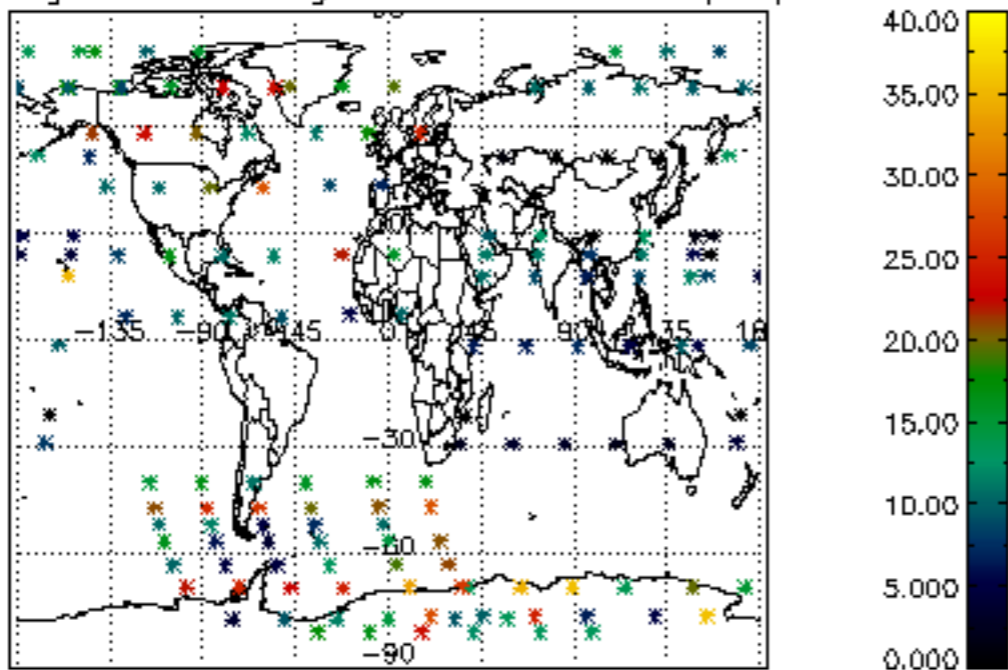
Percentage of cosmic ray hits per profile



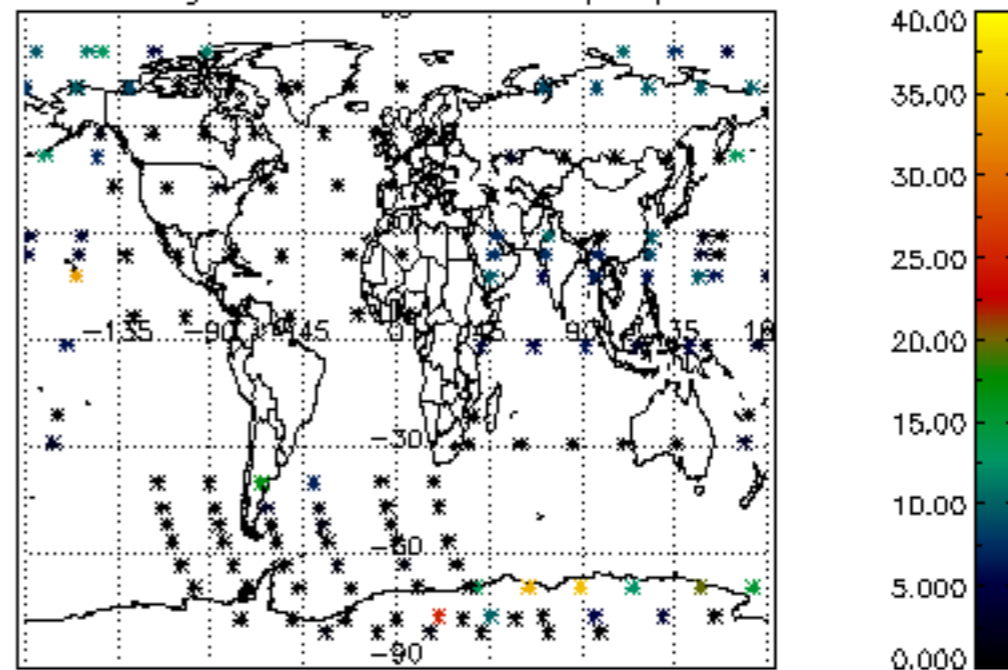
Percentage of datation errors per profile



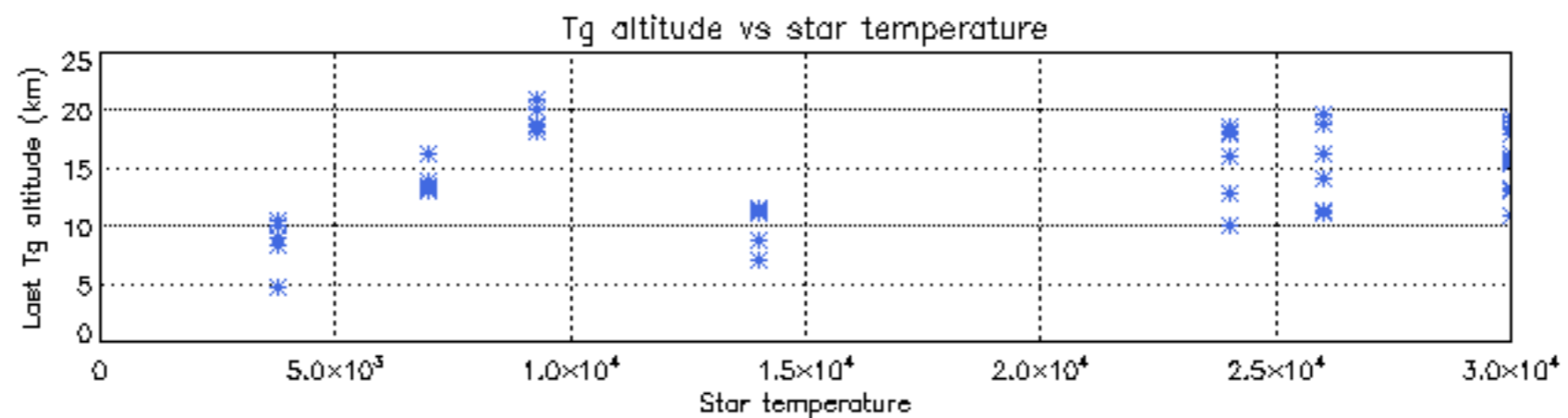
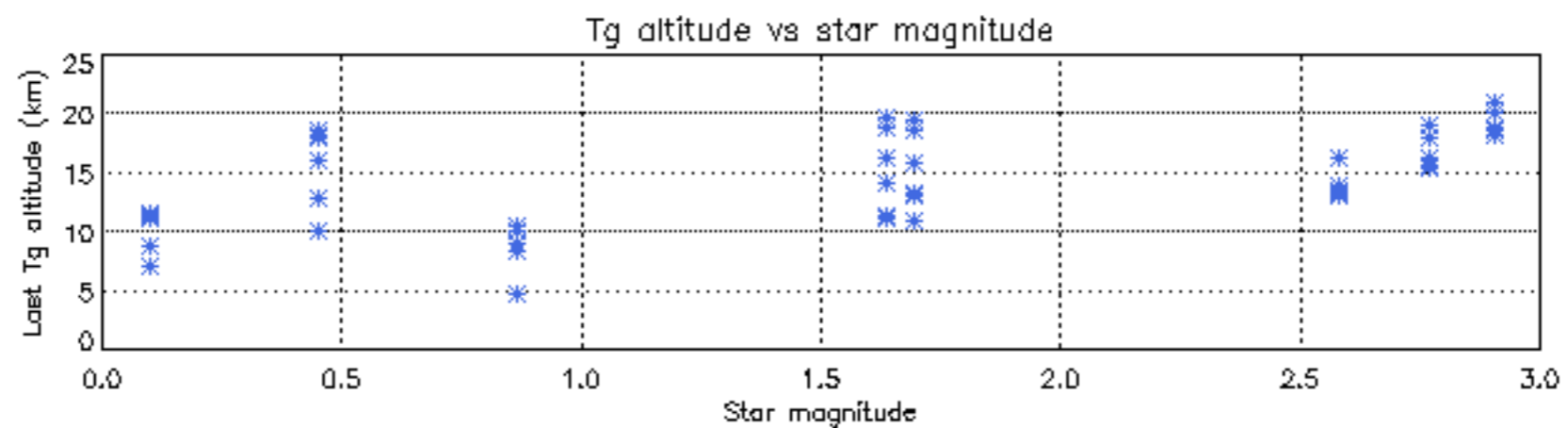
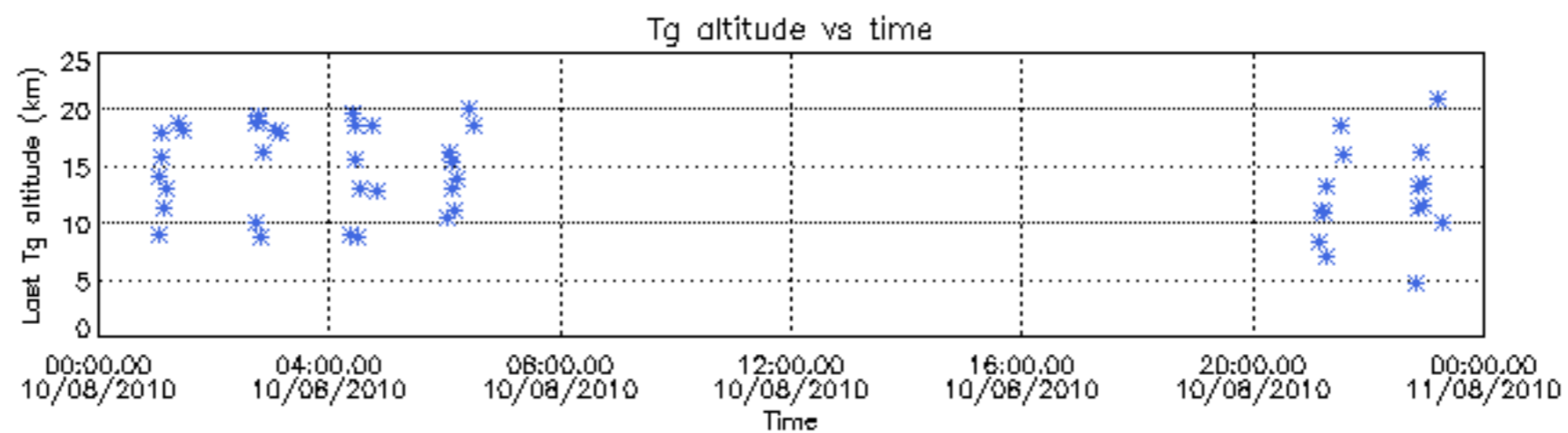
Percentage of star falling outside central band per profile



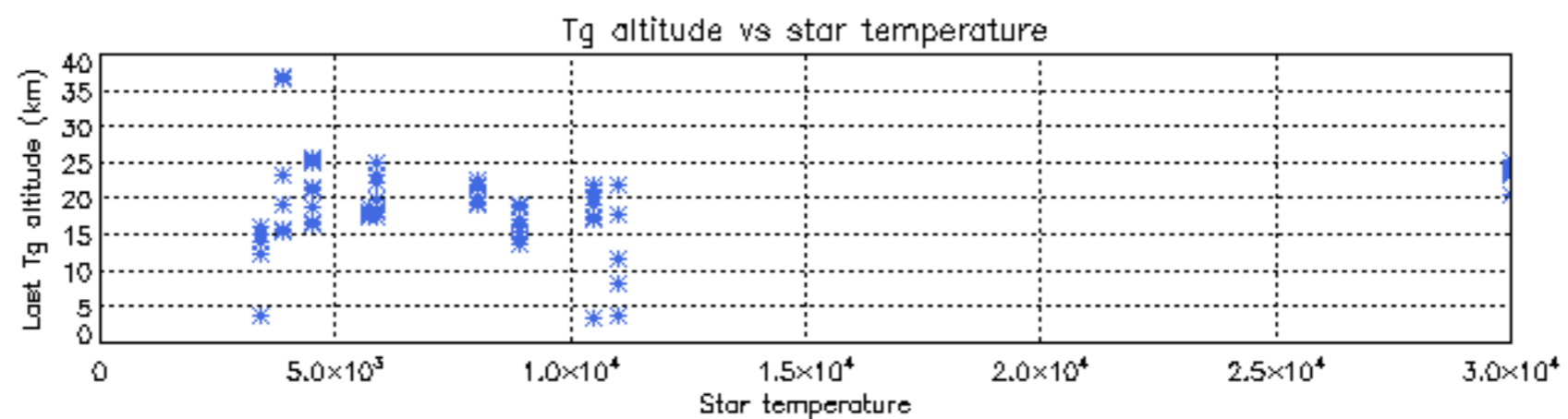
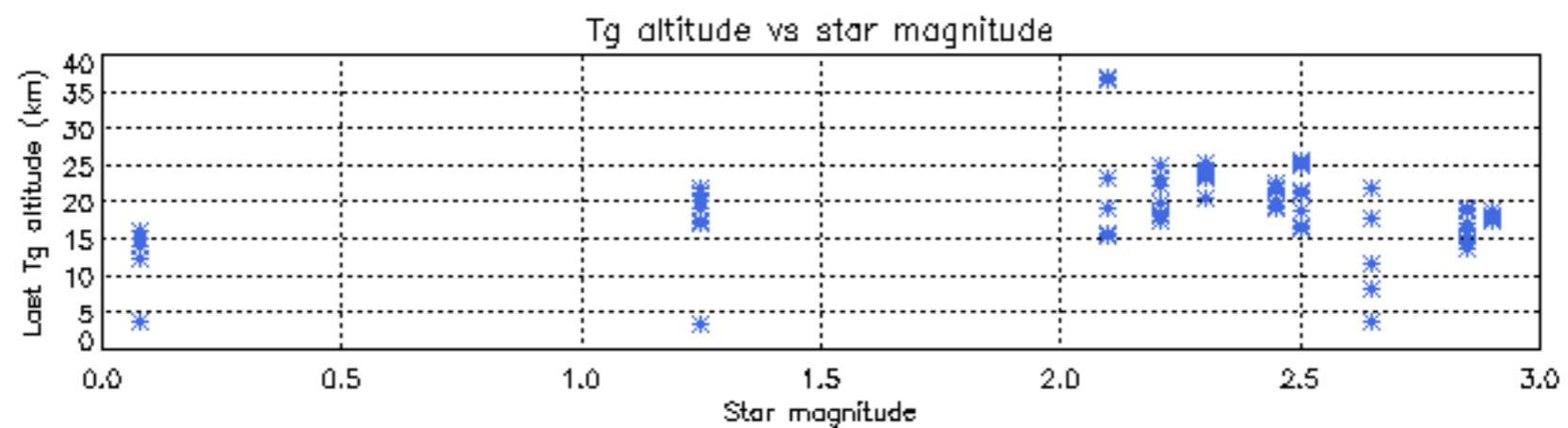
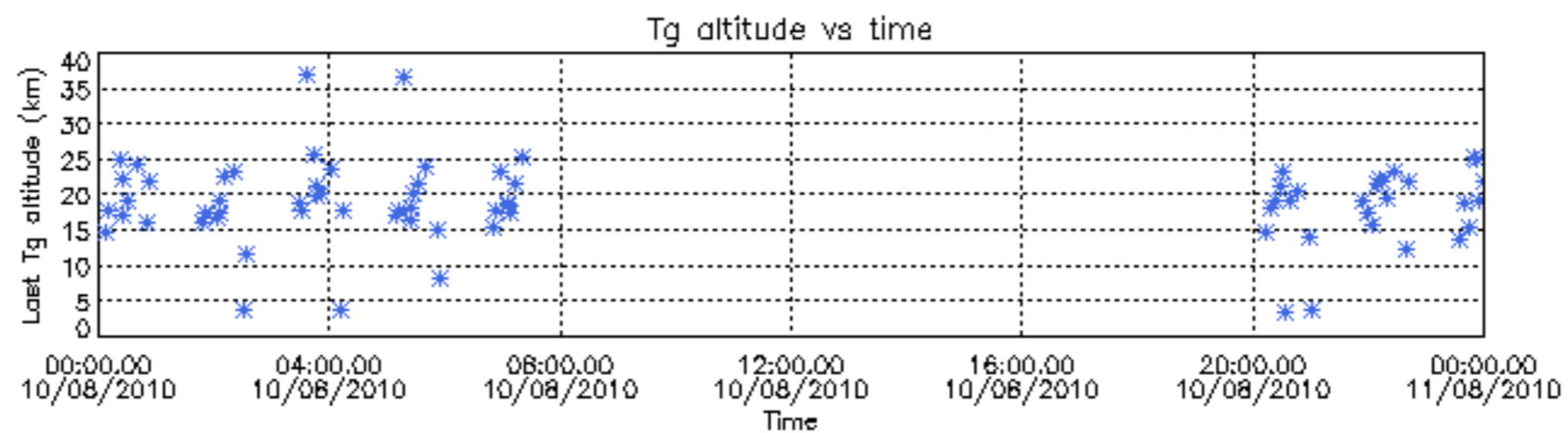
Percentage of saturation errors per profile

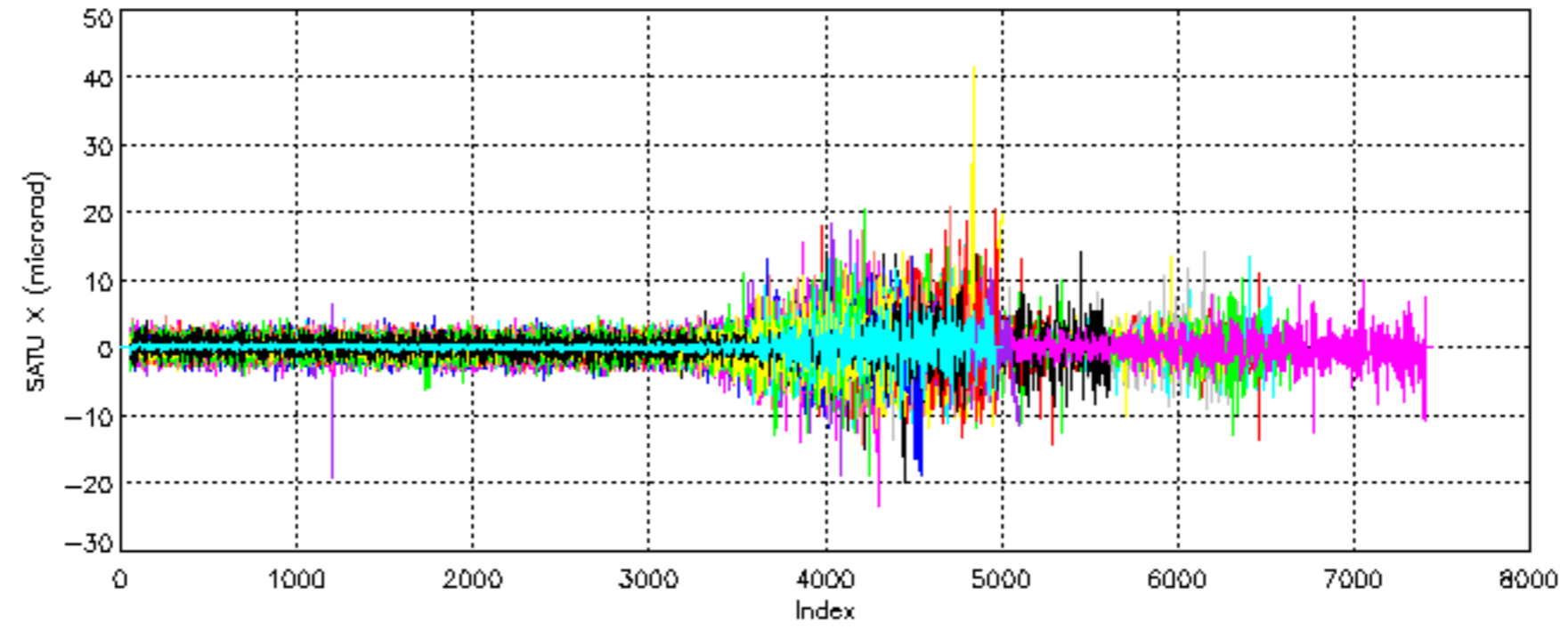


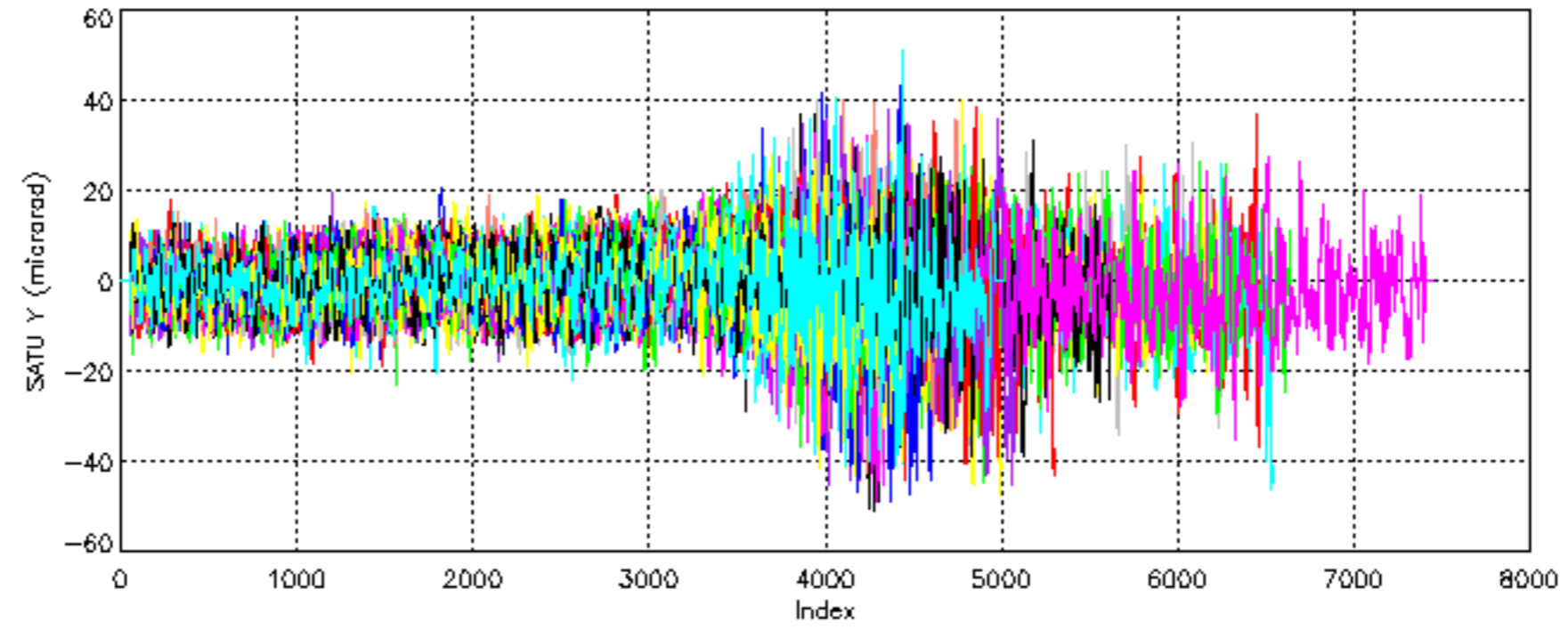
Tangent altitude at which the star is lost

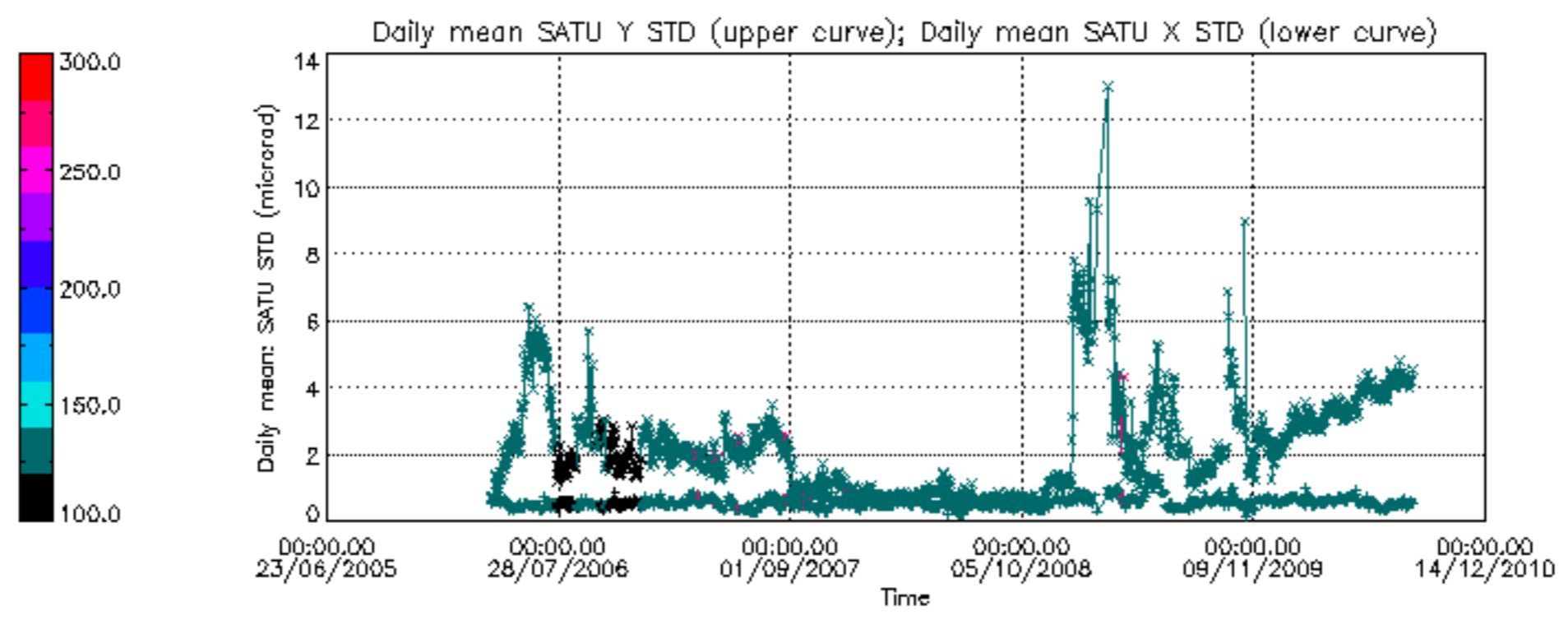


Tangent altitude at which the star is lost









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 4; 304.4; 01-AUG-2010 01:08:23; Dark ; 43.5; 9; Alp Eri ; 0.45; 24000;occ; 87; 0;44016  
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 6; 917.6; 01-AUG-2010 01:18:36; Dark ; 47.0; 31; Alp Gru ; 1.73; 15200;occ; 94; 0;44016  
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 9; 2581.0; 01-AUG-2010 01:46:20; Bright; 44.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 89; 0;44016  
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 11; 3092.0; 01-AUG-2010 01:54:51; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;44016  
 12; 3980.4; 01-AUG-2010 02:09:39; Bright; 48.5; 160; 23Gam Per ; 2.93; 4700;occ; 97; 0;44016  
 13; 4139.3; 01-AUG-2010 02:12:18; Bright; 44.5; 175; 39Del Per ; 3.01; 19400;occ; 89; 0;44016  
 14; 4315.7; 01-AUG-2010 02:15:14; Bright; 46.5; 149; 45Eps Per ; 2.89; 30000;occ; 93; 0;44016  
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 16; 4638.3; 01-AUG-2010 02:20:37; Dark ; 40.0; 176; 23Zet Tau ; 3.02; 22000;occ; 80; 0;44016  
 17; 4788.1; 01-AUG-2010 02:23:07; Dark ; 63.0; 13; 87Alp Tau ; 0.87; 3800;occ; 126; 0;44016  
 18; 4908.8; 01-AUG-2010 02:25:07; Dark ; 40.5; 27; 24Gam Ori ; 1.64; 26000;occ; 81; 0;44016  
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 20; 5171.3; 01-AUG-2010 02:29:30; Dark ; 43.5; 7; 19Bet Ori ; 0.10; 14000;occ; 87; 0;44016  
 21; 5444.4; 01-AUG-2010 02:34:03; Dark ; 54.5; 165; 34Gam Eri ; 2.95; 3200;occ; 109; 0;44016  
 22; 5731.9; 01-AUG-2010 02:38:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44016  
 23; 6009.4; 01-AUG-2010 02:43:28; Dark ; 46.0; 157; The1Eri ; 2.91; 9300;occ; 92; 0;44016  
 24; 6340.9; 01-AUG-2010 02:49:00; Dark ; 46.5; 9; Alp Eri ; 0.45; 24000;occ; 93; 0;44017  
 25; 6626.0; 01-AUG-2010 02:53:45; Dark ; 34.0; 84; Alp Phe ; 2.40; 4500;occ; 68; 0;44017

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 4; 304.4; 01-AUG-2010 01:08:23; Dark ; 43.5; 9; Alp Eri ; 0.45; 24000;occ; 87; 0;44016  
 5; 589.1; 01-AUG-2010 01:13:08; Dark ; 64.5; 84; Alp Phe ; 2.40; 4500;occ; 129; 0;44016  
 6; 917.6; 01-AUG-2010 01:18:36; Dark ; 47.0; 31; Alp Gru ; 1.73; 15200;occ; 94; 0;44016  
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 8; 2059.4; 01-AUG-2010 01:37:38; Bright; 38.0; 11; 53Alp Aql ; 0.76; 8000;occ; 76; 0;44016  
 9; 2581.0; 01-AUG-2010 01:46:20; Bright; 44.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 89; 0;44016  
 10; 2695.1; 01-AUG-2010 01:48:14; Bright; 38.0; 144; 18Del Cyg ; 2.86; 11000;occ; 76; 0;44016  
 11; 3092.0; 01-AUG-2010 01:54:51; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;44016  
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 14; 4315.7; 01-AUG-2010 02:15:14; Bright; 46.5; 149; 45Eps Per ; 2.89; 30000;occ; 93; 0;44016  
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 18; 4908.8; 01-AUG-2010 02:25:07; Dark ; 40.5; 27; 24Gam Ori ; 1.64; 26000;occ; 81; 0;44016  
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 25; 6626.0; 01-AUG-2010 02:53:45; Dark ; 65.0; 84; Alp Phe ; 2.40; 4500;occ; 130; 0;44017  
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 27; 7142.2; 01-AUG-2010 03:02:21; Dark ; 45.5; 172; Gam Gru ; 3.00; 13100;occ; 91; 0;44017  
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 5; 3092.0; 01-AUG-2010 01:54:51; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;44016  
 6; 3980.4; 01-AUG-2010 02:09:39; Bright; 48.5; 160; 23Gam Per ; 2.93; 4700;occ; 97; 0;44016  
 7; 4139.3; 01-AUG-2010 02:12:18; Bright; 44.5; 175; 39Del Per ; 3.01; 19400;occ; 89; 0;44016  
 8; 4315.7; 01-AUG-2010 02:15:14; Bright; 46.5; 149; 45Eps Per ; 2.89; 30000;occ; 93; 0;44016  
 9; 4500.7; 01-AUG-2010 02:18:19; Dark ; 29.0; 150; 44Zet Per ; 2.89; 28000;occ; 58; 0;44016  
 10; 4638.3; 01-AUG-2010 02:20:37; Dark ; 40.0; 176; 23Zet Tau ; 3.02; 22000;occ; 80; 0;44016



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11; 4788.1; 01-AUG-2010 02:23:07; Dark ; 63.0; 13; 87Alp Tau ; 0.87; 3800;occ; 126; 0;44016
12; 4908.8; 01-AUG-2010 02:25:07; Dark ; 40.5; 27; 24Gam Ori ; 1.64; 26000;occ; 81; 0;44016
13; 5013.5; 01-AUG-2010 02:26:52; Dark ; 40.5; 72; 34Del Ori ; 2.25; 30000;occ; 81; 0;44016
14; 5171.3; 01-AUG-2010 02:29:30; Dark ; 43.5; 7; 19Bet Ori ; 0.10; 14000;occ; 87; 0;44016
15; 5444.4; 01-AUG-2010 02:34:03; Dark ; 54.5; 165; 34Gam Eri ; 2.95; 3200;occ; 109; 0;44016
16; 5731.9; 01-AUG-2010 02:38:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44016
17; 6009.4; 01-AUG-2010 02:43:28; Dark ; 46.0; 157; The1Eri ; 2.91; 9300;occ; 92; 0;44016
18; 6340.9; 01-AUG-2010 02:49:00; Dark ; 46.5; 9; Alp Eri ; 0.45; 24000;occ; 93; 0;44017
19; 6626.0; 01-AUG-2010 02:53:45; Dark ; 65.0; 84; Alp Phe ; 2.40; 4500;occ; 130; 0;44017
20; 6953.7; 01-AUG-2010 02:59:12; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;44017
21; 7142.2; 01-AUG-2010 03:02:21; Dark ; 45.5; 172; Gam Gru ; 3.00; 13100;occ; 91; 0;44017
22; 8095.3; 01-AUG-2010 03:18:14; Bright; 37.5; 11; 53Alp Aql ; 0.76; 8000;occ; 75; 0;44017
23; 8616.6; 01-AUG-2010 03:26:55; Bright; 42.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 85; 0;44017
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5;-1535.0; 01-AUG-2010 03:58:56; Dark ; 29.0; 150; 44Zet Per ; 2.89; 28000;occ; 58; 0;44017
6;-1397.4; 01-AUG-2010 04:01:13; Dark ; 39.0; 176; 23Zet Tau ; 3.02; 22000;occ; 78; 0;44017
7;-1247.2; 01-AUG-2010 04:03:43; Dark ; 58.5; 13; 87Alp Tau ; 0.87; 3800;occ; 117; 0;44017
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11; -590.5; 01-AUG-2010 04:14:40; Dark ; 57.0; 165; 34Gam Eri ; 2.95; 3200;occ; 114; 0;44017
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13; -25.4; 01-AUG-2010 04:24:05; Dark ; 48.5; 157; The1Eri ; 2.91; 9300;occ; 97; 0;44017
14; 306.2; 01-AUG-2010 04:29:37; Dark ; 43.0; 9; Alp Eri ; 0.45; 24000;occ; 86; 0;44018
15; 591.3; 01-AUG-2010 04:34:22; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;44018
16; 918.6; 01-AUG-2010 04:39:49; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;44018
17; 1106.9; 01-AUG-2010 04:42:57; Dark ; 47.0; 172; Gam Gru ; 3.00; 13100;occ; 94; 0;44018
18; 2059.5; 01-AUG-2010 04:58:50; Bright; 38.0; 11; 53Alp Aql ; 0.76; 8000;occ; 76; 0;44018
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7; 953.2; 06-AUG-2010 02:02:19; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;44088
8; 1138.7; 06-AUG-2010 02:05:25; Dark ; 44.0; 172; Gam Gru ; 3.00; 13100;occ; 88; 0;44088
9; 1576.7; 06-AUG-2010 02:12:43; Bright; 49.5; 142; 49Del Cap ; 2.85; 8900;occ; 99; 0;44088
10; 1811.2; 06-AUG-2010 02:16:37; Bright; 50.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 100; 0;44088
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12; 2547.1; 06-AUG-2010 02:28:53; Bright; 44.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 89; 0;44088
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6; 2732.9; 06-AUG-2010 20:58:34; Bright; 44.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 89; 0;44099
7; 3059.1; 06-AUG-2010 21:04:00; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;44099

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 13; 4310.8; 06-AUG-2010 21:24:52; Bright; 54.5; 149; 45Eps Per ; 2.89; 30000;occ; 109; 0;44099  
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21; 5343.6; 07-AUG-2010 19:29:52; Dark ; 42.5; 101; 11Alp Lep ; 2.58; 7000;occ; 85; 0;44112
22; 5505.8; 07-AUG-2010 19:32:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44112
23; 6107.3; 07-AUG-2010 19:42:36; Dark ; 47.5; 157; The1Eri ; 2.91; 9300;occ; 95; 0;44113
24; 6407.6; 07-AUG-2010 19:47:36; Dark ; 55.0; 9; Alp Eri ; 0.45; 24000;occ; 110; 0;44113
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3; 1578.9; 07-AUG-2010 20:07:43; Bright; 47.5; 142; 49Del Cap ; 2.85; 8900;occ; 95; 0;44113
4; 1808.1; 07-AUG-2010 20:11:32; Bright; 51.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 102; 0;44113
5; 2536.8; 07-AUG-2010 20:23:41; Bright; 40.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 80; 0;44113
6; 2619.8; 07-AUG-2010 20:25:04; Bright; 44.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 89; 0;44113
7; 2727.6; 07-AUG-2010 20:26:52; Bright; 44.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 88; 0;44113
8; 3054.1; 07-AUG-2010 20:32:18; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;44113
9; 3529.6; 07-AUG-2010 20:40:14; Bright; 46.0; 76; 27Gam Cas ; 2.30; 30000;occ; 92; 0;44113
10; 3609.7; 07-AUG-2010 20:41:34; Bright; 32.0; 110; 37Del Cas ; 2.68; 8900;occ; 64; 0;44113
11; 3940.8; 07-AUG-2010 20:47:05; Bright; 30.0; 160; 23Gam Per ; 2.93; 4700;occ; 60; 0;44113
12; 4117.0; 07-AUG-2010 20:50:01; Bright; 48.0; 175; 39Del Per ; 3.01; 19400;occ; 96; 0;44113
13; 4356.4; 07-AUG-2010 20:54:01; Bright; 55.0; 107; 37The Aur ; 2.65; 11000;occ; 110; 0;44113
14; 4530.2; 07-AUG-2010 20:56:55; Dark ; 49.5; 28; 12Bet Tau ; 1.65; 15200;occ; 99; 0;44113
15; 4660.8; 07-AUG-2010 20:59:05; Dark ; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;44113
16; 4830.7; 07-AUG-2010 21:01:55; Dark ; 70.0; 13; 87Alp Tau ; 0.87; 3800;occ; 140; 0;44113
17; 4945.4; 07-AUG-2010 21:03:50; Dark ; 46.5; 27; 24Gam Ori ; 1.64; 26000;occ; 93; 0;44113
18; 5060.4; 07-AUG-2010 21:05:45; Dark ; 15.0; 30; 46Eps Ori ; 1.69; 30000;occ; 30; 0;44113
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4; -691.9; 07-AUG-2010 21:10:28; Dark ; 44.0; 101; 11Alp Lep ; 2.58; 7000;occ; 88; 0;44113
5; -529.6; 07-AUG-2010 21:13:11; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44113
6; 72.3; 07-AUG-2010 21:23:13; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;44114
7; 372.1; 07-AUG-2010 21:28:12; Dark ; 44.5; 9; Alp Eri ; 0.45; 24000;occ; 89; 0;44114
8; 689.9; 07-AUG-2010 21:33:30; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;44114
9; 964.7; 07-AUG-2010 21:38:05; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;44114
10; 1192.5; 07-AUG-2010 21:41:53; Dark ; 51.0; 18; 24Alp PsA ; 1.17; 9700;occ; 102; 0;44114
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12; 1808.0; 07-AUG-2010 21:52:08; Bright; 48.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 96; 0;44114
13; 2537.0; 07-AUG-2010 22:04:17; Bright; 43.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 86; 0;44114
14; 2619.6; 07-AUG-2010 22:05:40; Bright; 43.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 87; 0;44114
15; 2727.3; 07-AUG-2010 22:07:28; Bright; 42.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 84; 0;44114
16; 3053.4; 07-AUG-2010 22:12:54; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;44114
17; 3528.9; 07-AUG-2010 22:20:49; Bright; 46.0; 76; 27Gam Cas ; 2.30; 30000;occ; 92; 0;44114
18; 3608.8; 07-AUG-2010 22:22:09; Bright; 32.0; 110; 37Del Cas ; 2.68; 8900;occ; 64; 0;44114
19; 3940.5; 07-AUG-2010 22:27:41; Bright; 26.0; 160; 23Gam Per ; 2.93; 4700;occ; 52; 0;44114
20; 4116.8; 07-AUG-2010 22:30:37; Bright; 47.0; 175; 39Del Per ; 3.01; 19400;occ; 94; 0;44114
21; 4356.6; 07-AUG-2010 22:34:37; Bright; 35.5; 107; 37The Aur ; 2.65; 11000;occ; 71; 0;44114
22; 4530.7; 07-AUG-2010 22:37:31; Dark ; 47.0; 28; 12Bet Tau ; 1.65; 15200;occ; 94; 0;44114
23; 4660.7; 07-AUG-2010 22:39:41; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;44114
24; 4831.1; 07-AUG-2010 22:42:31; Dark ; 67.0; 13; 87Alp Tau ; 0.87; 3800;occ; 134; 0;44114
25; 4945.8; 07-AUG-2010 22:44:26; Dark ; 46.0; 27; 24Gam Ori ; 1.64; 26000;occ; 92; 0;44114
26; 5060.7; 07-AUG-2010 22:46:21; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;44114
27; 5142.5; 07-AUG-2010 22:47:43; Dark ; 43.0; 125; 44Iot Ori ; 2.77; 30000;occ; 86; 0;44114
28; 5220.6; 07-AUG-2010 22:49:01; Dark ; 52.5; 7; 19Bet Ori ; 0.10; 14000;occ; 105; 0;44114
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4; 73.2; 07-AUG-2010 23:03:49; Dark ; 48.0; 157; The1Eri ; 2.91; 9300;occ; 96; 0;44115

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6; 691.0; 07-AUG-2010 23:14:07; Dark ; 60.5; 84; Alp Phe ; 2.40; 4500;occ; 121; 0;44115  
7; 965.4; 07-AUG-2010 23:18:41; Dark ; 51.5; 31; Alp Gru ; 1.73; 15200;occ; 103; 0;44115  
8; 1193.1; 07-AUG-2010 23:22:29; Dark ; 51.0; 18; 24Alp PsA ; 1.17; 9700;occ; 102; 0;44115  
9; 1579.0; 07-AUG-2010 23:28:55; Bright; 46.5; 142; 49Del Cap ; 2.85; 8900;occ; 93; 0;44115  
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12; 2619.4; 07-AUG-2010 23:46:15; Bright; 38.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 77; 0;44115  
13; 2726.8; 07-AUG-2010 23:48:03; Bright; 41.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 82; 0;44115  
14; 3052.9; 07-AUG-2010 23:53:29; Bright; 41.0; 89; 5Alp Cep ; 2.45; 8000;occ; 82; 0;44115  
15; 3528.2; 08-AUG-2010 00:01:24; Bright; 46.0; 76; 27Gam Cas ; 2.30; 30000;occ; 92; 0;44115  
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17; 3939.7; 08-AUG-2010 00:08:16; Bright; 26.0; 160; 23Gam Per ; 2.93; 4700;occ; 52; 0;44115  
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19; 4356.4; 08-AUG-2010 00:15:12; Bright; 36.5; 107; 37The Aur ; 2.65; 11000;occ; 73; 0;44115  
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22; 4831.9; 08-AUG-2010 00:23:08; Dark ; 63.0; 13; 87Alp Tau ; 0.87; 3800;occ; 126; 0;44115  
23; 4946.1; 08-AUG-2010 00:25:02; Dark ; 45.0; 27; 24Gam Ori ; 1.64; 26000;occ; 90; 0;44115  
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3; 74.3; 08-AUG-2010 00:44:26; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;44116  
4; 373.3; 08-AUG-2010 00:49:25; Dark ; 44.0; 9; Alp Eri ; 0.45; 24000;occ; 88; 0;44116  
5; 691.9; 08-AUG-2010 00:54:44; Dark ; 65.5; 84; Alp Phe ; 2.40; 4500;occ; 131; 0;44116  
6; 965.9; 08-AUG-2010 00:59:18; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;44116  
7; 1193.8; 08-AUG-2010 01:03:06; Dark ; 55.0; 18; 24Alp PsA ; 1.17; 9700;occ; 110; 0;44116  
8; 1578.8; 08-AUG-2010 01:09:31; Bright; 49.5; 142; 49Del Cap ; 2.85; 8900;occ; 99; 0;44116  
9; 1807.7; 08-AUG-2010 01:13:20; Bright; 48.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 96; 0;44116  
10; 2535.7; 08-AUG-2010 01:25:28; Bright; 42.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 84; 0;44116  
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12; 2726.3; 08-AUG-2010 01:28:38; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;44116  
13; 3052.7; 08-AUG-2010 01:34:05; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;44116  
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15; 3607.6; 08-AUG-2010 01:43:20; Bright; 31.0; 110; 37Del Cas ; 2.68; 8900;occ; 62; 0;44116  
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17; 4356.7; 08-AUG-2010 01:55:49; Bright; 41.0; 107; 37The Aur ; 2.65; 11000;occ; 82; 0;44116  
18; 4530.9; 08-AUG-2010 01:58:43; Dark ; 47.5; 28; 12Bet Tau ; 1.65; 15200;occ; 95; 0;44116  
19; 4661.4; 08-AUG-2010 02:00:53; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;44116  
20; 4832.0; 08-AUG-2010 02:03:44; Dark ; 69.5; 13; 87Alp Tau ; 0.87; 3800;occ; 139; 0;44116  
21; 4946.5; 08-AUG-2010 02:05:39; Dark ; 45.0; 27; 24Gam Ori ; 1.64; 26000;occ; 90; 0;44116  
22; 5061.9; 08-AUG-2010 02:07:34; Dark ; 43.0; 30; 46Eps Ori ; 1.69; 30000;occ; 86; 0;44116  
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3; -690.6; 08-AUG-2010 02:12:17; Dark ; 44.5; 101; 11Alp Lep ; 2.58; 7000;occ; 89; 0;44116  
4; -527.9; 08-AUG-2010 02:15:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44116  
5; 75.4; 08-AUG-2010 02:25:03; Dark ; 46.0; 157; The1Eri ; 2.91; 9300;occ; 92; 0;44117  
6; 374.1; 08-AUG-2010 02:30:02; Dark ; 44.0; 9; Alp Eri ; 0.45; 24000;occ; 88; 0;44117  
7; 692.6; 08-AUG-2010 02:35:20; Dark ; 62.5; 84; Alp Phe ; 2.40; 4500;occ; 125; 0;44117  
8; 966.1; 08-AUG-2010 02:39:54; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;44117  
9; 1194.3; 08-AUG-2010 02:43:42; Dark ; 55.0; 18; 24Alp PsA ; 1.17; 9700;occ; 110; 0;44117  
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11; 1807.6; 08-AUG-2010 02:53:56; Bright; 46.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 93; 0;44117  
12; 2535.8; 08-AUG-2010 03:06:04; Bright; 43.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 86; 0;44117  
13; 2618.7; 08-AUG-2010 03:07:27; Bright; 41.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 83; 0;44117  
14; 2726.2; 08-AUG-2010 03:09:14; Bright; 40.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 81; 0;44117  
15; 3052.6; 08-AUG-2010 03:14:40; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;44117  
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8; -1088.9; 08-AUG-2010 03:46:15; Dark ; 44.0; 27; 24Gam Ori ; 1.64; 26000;occ; 88; 0;44117  
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13; -527.3; 08-AUG-2010 03:55:37; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44117  
14; 76.8; 08-AUG-2010 04:05:41; Dark ; 48.5; 157; The1Eri ; 2.91; 9300;occ; 97; 0;44118  
15; 375.1; 08-AUG-2010 04:10:39; Dark ; 44.5; 9; Alp Eri ; 0.45; 24000;occ; 89; 0;44118  
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18; 1194.8; 08-AUG-2010 04:24:19; Dark ; 58.0; 18; 24Alp PsA ; 1.17; 9700;occ; 116; 0;44118  
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20; 1807.7; 08-AUG-2010 04:34:32; Bright; 46.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 92; 0;44118  
21; 2535.4; 08-AUG-2010 04:46:39; Bright; 42.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 85; 0;44118  
22; 2619.0; 08-AUG-2010 04:48:03; Bright; 40.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 81; 0;44118  
23; 2726.1; 08-AUG-2010 04:49:50; Bright; 41.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 82; 0;44118  
24; 3052.6; 08-AUG-2010 04:55:16; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;44118  
25; 3526.1; 08-AUG-2010 05:03:10; Bright; 46.0; 76; 27Gam Cas ; 2.30; 30000;occ; 92; 0;44118  
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6; 2518.0; 11-AUG-2010 21:38:06; Bright; 40.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 80; 0;44171  
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13; 4361.7; 11-AUG-2010 22:08:50; Bright; 40.0; 107; 37The Aur ; 2.65; 11000;occ; 80; 0;44171  
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4; 136.3; 11-AUG-2010 22:39:01; Dark ; 47.5; 157; The1Eri ; 2.91; 9300;occ; 95; 0;44172  
5; 412.4; 11-AUG-2010 22:43:37; Dark ; 44.5; 9; Alp Eri ; 0.45; 24000;occ; 89; 0;44172  
6; 744.6; 11-AUG-2010 22:49:09; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;44172  
7; 989.9; 11-AUG-2010 22:53:14; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;44172  
8; 1222.9; 11-AUG-2010 22:57:07; Dark ; 59.0; 18; 24Alp PsA ; 1.17; 9700;occ; 118; 0;44172  
9; 1584.8; 11-AUG-2010 23:03:09; Bright; 46.5; 142; 49Del Cap ; 2.85; 8900;occ; 93; 0;44172  
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11; 2137.1; 11-AUG-2010 23:12:21; Bright; 46.0; 61; 8Eps Peg ; 2.10; 3900;occ; 92; 0;44172  
12; 2517.7; 11-AUG-2010 23:18:42; Bright; 39.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 78; 0;44172  
13; 2606.9; 11-AUG-2010 23:20:11; Bright; 35.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 70; 0;44172  
14; 2709.5; 11-AUG-2010 23:21:54; Bright; 41.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 82; 0;44172  
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17; 3485.9; 11-AUG-2010 23:34:50; Bright; 49.5; 76; 27Gam Cas ; 2.30; 30000;occ; 99; 0;44172  
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19; 4361.5; 11-AUG-2010 23:49:26; Bright; 56.0; 107; 37The Aur ; 2.65; 11000;occ; 112; 0;44172  
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21; 4676.1; 11-AUG-2010 23:54:40; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;44172  
22; 4906.4; 11-AUG-2010 23:58:31; Dark ; 57.0; 14; 58Alp Ori ; 0.87; 3000;occ; 114; 0;44172  
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8; -869.7; 11-AUG-2010 07:16:51; Dark ; 43.0; 125; 44Iot Ori ; 2.77; 30000;occ; 86; 0;44162
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12; 125.8; 11-AUG-2010 07:33:27; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;44163
13; 406.3; 11-AUG-2010 07:38:07; Dark ; 42.5; 9; Alp Eri ; 0.45; 24000;occ; 85; 0;44163
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16; 1218.5; 11-AUG-2010 07:51:39; Dark ; 63.0; 18; 24Alp PsA ; 1.17; 9700;occ; 126; 0;44163
17; 1583.9; 11-AUG-2010 07:57:45; Bright; 47.0; 142; 49Del Cap ; 2.85; 8900;occ; 94; 0;44163
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4; 2608.9; 11-AUG-2010 08:14:50; Bright; 40.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 80; 0;44163
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6; 3037.2; 11-AUG-2010 08:21:58; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;44163
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9; 4198.1; 11-AUG-2010 08:41:19; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;44163
10; 4360.9; 11-AUG-2010 08:44:02; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;44163
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12; 4673.9; 11-AUG-2010 08:49:15; Dark ; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;44163
13; 4857.5; 11-AUG-2010 08:52:18; Dark ; 66.0; 13; 87Alp Tau ; 0.87; 3800;occ; 132; 0;44163
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15; 5084.0; 11-AUG-2010 08:56:05; Dark ; 45.5; 30; 46Eps Ori ; 1.69; 30000;occ; 91; 0;44163
16; 5166.8; 11-AUG-2010 08:57:28; Dark ; 42.5; 125; 44Iot Ori ; 2.77; 30000;occ; 85; 0;44163
17; 5250.5; 11-AUG-2010 08:58:51; Dark ; 55.5; 7; 19Bet Ori ; 0.10; 14000;occ; 111; 0;44163
18; 5370.1; 11-AUG-2010 09:00:51; Dark ; 44.0; 101; 11Alp Lep ; 2.58; 7000;occ; 88; 0;44163
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21; 6442.9; 11-AUG-2010 09:18:44; Dark ; 44.0; 9; Alp Eri ; 0.45; 24000;occ; 88; 0;44164
22; 6773.4; 11-AUG-2010 09:24:14; Dark ; 63.0; 84; Alp Phe ; 2.40; 4500;occ; 126; 0;44164
23; 7023.0; 11-AUG-2010 09:28:24; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;44164
24; 7255.1; 11-AUG-2010 09:32:16; Dark ; 58.5; 18; 24Alp PsA ; 1.17; 9700;occ; 117; 0;44164
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6; 3036.9; 11-AUG-2010 10:02:34; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;44164
7; 3361.9; 11-AUG-2010 10:07:59; Bright; 37.0; 74; 11Bet Cas ; 2.27; 6600;occ; 74; 0;44164
8; 3492.4; 11-AUG-2010 10:10:09; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;44164
9; 4198.2; 11-AUG-2010 10:21:55; Bright; 51.0; 6; 13Alp Aur ; 0.08; 3400;occ; 102; 0;44164
10; 4361.0; 11-AUG-2010 10:24:38; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;44164
11; 4539.5; 11-AUG-2010 10:27:36; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;44164
12; 4673.9; 11-AUG-2010 10:29:51; Dark ; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;44164
13; 4858.1; 11-AUG-2010 10:32:55; Dark ; 58.0; 13; 87Alp Tau ; 0.87; 3800;occ; 116; 0;44164
14; 4968.6; 11-AUG-2010 10:34:45; Dark ; 48.5; 27; 24Gam Ori ; 1.64; 26000;occ; 97; 0;44164
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16; 5167.3; 11-AUG-2010 10:38:04; Dark ; 44.5; 125; 44Iot Ori ; 2.77; 30000;occ; 89; 0;44164
17; 5251.2; 11-AUG-2010 10:39:28; Dark ; 58.0; 7; 19Bet Ori ; 0.10; 14000;occ; 116; 0;44164
18; 5370.9; 11-AUG-2010 10:41:28; Dark ; 46.0; 101; 11Alp Lep ; 2.58; 7000;occ; 92; 0;44164
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21; 6443.4; 11-AUG-2010 10:59:20; Dark ; 46.5; 9; Alp Eri ; 0.45; 24000;occ; 93; 0;44165
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24; 7255.4; 11-AUG-2010 11:12:52; Dark ; 61.0; 18; 24Alp PsA ; 1.17; 9700;occ; 122; 0;44165
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22; 6774.9; 11-AUG-2010 12:45:28; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;44166  
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3; 2139.6; 11-AUG-2010 14:49:24; Bright; 52.0; 61; 8Eps Peg ; 2.10; 3900;occ; 104; 0;44167  
4; 2519.3; 11-AUG-2010 14:55:44; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;44167  
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9; 3490.1; 11-AUG-2010 15:11:55; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;44167  
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11; 4361.2; 11-AUG-2010 15:26:26; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;44167  
12; 4539.9; 11-AUG-2010 15:29:24; Dark ; 48.5; 28; 12Bet Tau ; 1.65; 15200;occ; 97; 0;44167  
13; 4675.0; 11-AUG-2010 15:31:39; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;44167  
14; 4859.9; 11-AUG-2010 15:34:44; Dark ; 50.0; 13; 87Alp Tau ; 0.87; 3800;occ; 100; 0;44167  
15; 4970.3; 11-AUG-2010 15:36:35; Dark ; 49.5; 27; 24Gam Ori ; 1.64; 26000;occ; 99; 0;44167

16; 5086.1; 11-AUG-2010 15:38:31; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;44167  
17; 5169.1; 11-AUG-2010 15:39:54; Dark ; 44.0; 125; 44Iot Ori ; 2.77; 30000;occ; 88; 0;44167  
18; 5253.3; 11-AUG-2010 15:41:18; Dark ; 60.5; 7; 19Bet Ori ; 0.10; 14000;occ; 121; 0;44167  
19; 5372.8; 11-AUG-2010 15:43:17; Dark ; 42.0; 101; 11Alp Lep ; 2.58; 7000;occ; 84; 0;44167  
20; 5538.7; 11-AUG-2010 15:46:03; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44167  
21; 6168.1; 11-AUG-2010 15:56:33; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;44168  
22; 6445.8; 11-AUG-2010 16:01:10; Dark ; 44.0; 9; Alp Eri ; 0.45; 24000;occ; 88; 0;44168  
23; 6776.9; 11-AUG-2010 16:06:41; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;44168  
24; 7024.4; 11-AUG-2010 16:10:49; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;44168  
25; 7256.7; 11-AUG-2010 16:14:41; Dark ; 55.5; 18; 24Alp PsA ; 1.17; 9700;occ; 111; 0;44168

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3; 1803.1; 11-AUG-2010 16:24:23; Bright; 45.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 91; 0;44168  
4; 2139.3; 11-AUG-2010 16:30:00; Bright; 50.5; 61; 8Eps Peg ; 2.10; 3900;occ; 101; 0;44168  
5; 2518.9; 11-AUG-2010 16:36:19; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;44168  
6; 2607.7; 11-AUG-2010 16:37:48; Bright; 39.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 79; 0;44168  
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8; 3035.7; 11-AUG-2010 16:44:56; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;44168  
9; 3358.9; 11-AUG-2010 16:50:19; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;44168  
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11; 4198.2; 11-AUG-2010 17:04:19; Bright; 50.0; 6; 13Alp Aur ; 0.08; 3400;occ; 100; 0;44168  
12; 4361.6; 11-AUG-2010 17:07:02; Bright; 37.0; 107; 37The Aur ; 2.65; 11000;occ; 74; 0;44168  
13; 4540.0; 11-AUG-2010 17:10:00; Dark ; 51.5; 28; 12Bet Tau ; 1.65; 15200;occ; 103; 0;44168  
14; 4675.3; 11-AUG-2010 17:12:16; Dark ; 45.5; 176; 23Zet Tau ; 3.02; 22000;occ; 91; 0;44168  
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16; 4970.7; 11-AUG-2010 17:17:11; Dark ; 48.5; 27; 24Gam Ori ; 1.64; 26000;occ; 97; 0;44168  
17; 5086.5; 11-AUG-2010 17:19:07; Dark ; 46.0; 30; 46Eps Ori ; 1.69; 30000;occ; 92; 0;44168  
18; 5169.6; 11-AUG-2010 17:20:30; Dark ; 44.5; 125; 44Iot Ori ; 2.77; 30000;occ; 89; 0;44168  
19; 5254.0; 11-AUG-2010 17:21:54; Dark ; 51.0; 7; 19Bet Ori ; 0.10; 14000;occ; 102; 0;44168  
20; 5373.0; 11-AUG-2010 17:23:53; Dark ; 43.0; 101; 11Alp Lep ; 2.58; 7000;occ; 86; 0;44168  
21; 5539.4; 11-AUG-2010 17:26:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44168  
22; 6168.9; 11-AUG-2010 17:37:09; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;44169  
23; 6446.6; 11-AUG-2010 17:41:47; Dark ; 45.0; 9; Alp Eri ; 0.45; 24000;occ; 90; 0;44169  
24; 6778.3; 11-AUG-2010 17:47:19; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;44169  
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3; 1584.5; 11-AUG-2010 18:01:21; Bright; 46.5; 142; 49Del Cap ; 2.85; 8900;occ; 93; 0;44169  
4; 1803.0; 11-AUG-2010 18:04:59; Bright; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;44169  
5; 2138.8; 11-AUG-2010 18:10:35; Bright; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 0;44169  
6; 2518.5; 11-AUG-2010 18:16:55; Bright; 41.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 83; 0;44169  
7; 2607.4; 11-AUG-2010 18:18:24; Bright; 39.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 79; 0;44169  
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10; 3358.0; 11-AUG-2010 18:30:54; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;44169  
11; 3488.6; 11-AUG-2010 18:33:05; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;44169  
12; 4197.8; 11-AUG-2010 18:44:54; Bright; 47.0; 6; 13Alp Aur ; 0.08; 3400;occ; 94; 0;44169  
13; 4361.4; 11-AUG-2010 18:47:38; Bright; 49.5; 107; 37The Aur ; 2.65; 11000;occ; 99; 0;44169  
14; 4540.2; 11-AUG-2010 18:50:37; Dark ; 51.0; 28; 12Bet Tau ; 1.65; 15200;occ; 102; 0;44169  
15; 4675.5; 11-AUG-2010 18:52:52; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;44169  
16; 4861.1; 11-AUG-2010 18:55:58; Dark ; 42.0; 13; 87Alp Tau ; 0.87; 3800;occ; 84; 0;44169  
17; 4971.3; 11-AUG-2010 18:57:48; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;44169  
18; 5086.8; 11-AUG-2010 18:59:43; Dark ; 46.0; 30; 46Eps Ori ; 1.69; 30000;occ; 92; 0;44169  
19; 5170.0; 11-AUG-2010 19:01:06; Dark ; 44.5; 125; 44Iot Ori ; 2.77; 30000;occ; 89; 0;44169  
20; 5254.6; 11-AUG-2010 19:02:31; Dark ; 58.5; 7; 19Bet Ori ; 0.10; 14000;occ; 117; 0;44169  
21; 5373.6; 11-AUG-2010 19:04:30; Dark ; 46.0; 101; 11Alp Lep ; 2.58; 7000;occ; 92; 0;44169  
22; 5540.0; 11-AUG-2010 19:07:16; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44169  
23; 6169.9; 11-AUG-2010 19:17:46; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;44170  
24; 6447.3; 11-AUG-2010 19:22:24; Dark ; 45.5; 9; Alp Eri ; 0.45; 24000;occ; 91; 0;44170  
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4; 1803.0; 11-AUG-2010 19:45:35; Bright; 45.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 91; 0;44170  
5; 2138.1; 11-AUG-2010 19:51:11; Bright; 48.0; 61; 8Eps Peg ; 2.10; 3900;occ; 96; 0;44170

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11; 3487.7; 11-AUG-2010 20:13:40; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;44170
12; 4197.7; 11-AUG-2010 20:25:30; Bright; 47.0; 6; 13Alp Aur ; 0.08; 3400;occ; 94; 0;44170
13; 4361.9; 11-AUG-2010 20:28:14; Bright; 56.0; 107; 37The Aur ; 2.65; 11000;occ; 112; 0;44170
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15; 4675.5; 11-AUG-2010 20:33:28; Dark ; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;44170
16; 4861.5; 11-AUG-2010 20:36:34; Dark ; 33.0; 13; 87Alp Tau ; 0.87; 3800;occ; 66; 0;44170
17; 4971.7; 11-AUG-2010 20:38:24; Dark ; 51.0; 27; 24Gam Ori ; 1.64; 26000;occ; 102; 0;44170
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19; 5170.4; 11-AUG-2010 20:41:43; Dark ; 45.0; 125; 44Iot Ori ; 2.77; 30000;occ; 90; 0;44170
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21; 5374.2; 11-AUG-2010 20:45:07; Dark ; 45.5; 101; 11Alp Lep ; 2.58; 7000;occ; 91; 0;44170
22; 5540.6; 11-AUG-2010 20:47:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44170
23; 6170.9; 11-AUG-2010 20:58:23; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;44171
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25; 6779.8; 11-AUG-2010 21:08:32; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;44171
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3; 137.1; 12-AUG-2010 00:19:37; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;44173
4; 413.2; 12-AUG-2010 00:24:13; Dark ; 49.0; 9; Alp Eri ; 0.45; 24000;occ; 98; 0;44173
5; 745.6; 12-AUG-2010 00:29:46; Dark ; 61.5; 84; Alp Phe ; 2.40; 4500;occ; 123; 0;44173
6; 990.2; 12-AUG-2010 00:33:50; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;44173
7; 1223.2; 12-AUG-2010 00:37:43; Dark ; 55.0; 18; 24Alp PsA ; 1.17; 9700;occ; 110; 0;44173
8; 1584.8; 12-AUG-2010 00:43:45; Bright; 46.0; 142; 49Del Cap ; 2.85; 8900;occ; 92; 0;44173
9; 1802.5; 12-AUG-2010 00:47:23; Bright; 45.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 91; 0;44173
10; 2136.9; 12-AUG-2010 00:52:57; Bright; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 0;44173
11; 2517.5; 12-AUG-2010 00:59:18; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;44173
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15; 3354.4; 12-AUG-2010 01:13:14; Bright; 43.0; 74; 11Bet Cas ; 2.27; 6600;occ; 86; 0;44173
16; 3485.5; 12-AUG-2010 01:15:26; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;44173
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22; 5088.9; 12-AUG-2010 01:42:09; Dark ; 43.0; 30; 46Eps Ori ; 1.69; 30000;occ; 86; 0;44173
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5; 138.4; 12-AUG-2010 02:00:14; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;44174
6; 413.9; 12-AUG-2010 02:04:50; Dark ; 45.0; 9; Alp Eri ; 0.45; 24000;occ; 90; 0;44174
7; 746.3; 12-AUG-2010 02:10:22; Dark ; 61.0; 84; Alp Phe ; 2.40; 4500;occ; 122; 0;44174
8; 990.7; 12-AUG-2010 02:14:27; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;44174
9; 1224.0; 12-AUG-2010 02:18:20; Dark ; 58.5; 18; 24Alp PsA ; 1.17; 9700;occ; 117; 0;44174
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11; 1802.4; 12-AUG-2010 02:27:58; Bright; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;44174
12; 2136.1; 12-AUG-2010 02:33:32; Bright; 49.5; 61; 8Eps Peg ; 2.10; 3900;occ; 99; 0;44174
13; 2517.1; 12-AUG-2010 02:39:53; Bright; 37.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 75; 0;44174
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16; 3033.6; 12-AUG-2010 02:48:30; Bright; 41.5; 89; 5Alp Cep ; 2.45; 8000;occ; 83; 0;44174
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6; 187.8; 15-AUG-2010 02:06:49; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;44217
7; 443.3; 15-AUG-2010 02:11:04; Dark ; 44.0; 9; Alp Eri ; 0.45; 24000;occ; 88; 0;44217
8; 784.7; 15-AUG-2010 02:16:46; Dark ; 58.5; 84; Alp Phe ; 2.40; 4500;occ; 117; 0;44217
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16; 2698.7; 15-AUG-2010 02:48:40; Bright; 41.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 82; 0;44217
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 17; 1800.3; 15-AUG-2010 04:14:17; Bright; 41.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 82; 0;44218  
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 12; 445.0; 15-AUG-2010 05:32:18; Dark ; 45.5; 9; Alp Eri ; 0.45; 24000;occ; 91; 0;44219  
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 17; 1800.0; 15-AUG-2010 05:54:53; Bright; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;44219  
 18; 1926.5; 15-AUG-2010 05:56:59; Bright; 28.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 56; 0;44219  
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 21; 2599.9; 15-AUG-2010 06:08:13; Bright; 37.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 74; 0;44219  
 22; 2698.4; 15-AUG-2010 06:09:51; Bright; 41.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 82; 0;44219  
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 4; -1318.3; 15-AUG-2010 06:43:30; Dark ; 41.0; 44; 24Gam Gem ; 1.93; 11000;occ; 82; 0;44219  
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 4; 2505.8; 15-AUG-2010 07:47:15; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;44220  
 5; 2599.6; 15-AUG-2010 07:48:48; Bright; 39.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 79; 0;44220  
 6; 2698.1; 15-AUG-2010 07:50:27; Bright; 41.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 82; 0;44220  
 7; 3019.9; 15-AUG-2010 07:55:49; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;44220  
 8; 4194.6; 15-AUG-2010 08:15:23; Bright; 61.0; 6; 13Alp Aur ; 0.08; 3400;occ; 122; 0;44220  
 9; 4365.9; 15-AUG-2010 08:18:15; Bright; 57.0; 107; 37The Aur ; 2.65; 11000;occ; 114; 0;44220  
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 11; 4717.8; 15-AUG-2010 08:24:07; Dark ; 38.5; 44; 24Gam Gem ; 1.93; 11000;occ; 77; 0;44220  
 12; 4925.5; 15-AUG-2010 08:27:34; Dark ; 57.5; 14; 58Alp Ori ; 0.87; 3000;occ; 115; 0;44220  
 13; 5114.4; 15-AUG-2010 08:30:43; Dark ; 47.5; 30; 46Eps Ori ; 1.69; 30000;occ; 95; 0;44220  
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 15; 5291.2; 15-AUG-2010 08:33:40; Dark ; 58.5; 7; 19Bet Ori ; 0.10; 14000;occ; 117; 0;44220  
 16; 5404.8; 15-AUG-2010 08:35:34; Dark ; 47.0; 101; 11Alp Lep ; 2.58; 7000;occ; 94; 0;44220



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12; 4925.8; 15-AUG-2010 10:08:11; Dark ; 59.0; 14; 58Alp Ori ; 0.87; 3000;occ; 118; 0;44221
13; 5115.1; 15-AUG-2010 10:11:20; Dark ; 50.5; 30; 46Eps Ori ; 1.69; 30000;occ; 101; 0;44221
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 3; 1925.6; 15-AUG-2010 14:19:58; Bright; 49.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 98; 0;44224  
 4; 2117.6; 15-AUG-2010 14:23:10; Bright; 44.5; 61; 8Eps Peg ; 2.10; 3900;occ; 89; 0;44224  
 5; 2504.7; 15-AUG-2010 14:29:37; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;44224  
 6; 2599.2; 15-AUG-2010 14:31:12; Bright; 39.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 78; 0;44224  
 7; 2697.3; 15-AUG-2010 14:32:50; Bright; 38.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 76; 0;44224  
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 19; 6233.3; 15-AUG-2010 15:31:46; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;44225  
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 3; 1924.9; 15-AUG-2010 16:00:33; Bright; 48.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 97; 0;44225  
 4; 2117.2; 15-AUG-2010 16:03:46; Bright; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;44225  
 5; 2504.9; 15-AUG-2010 16:10:13; Bright; 36.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 73; 0;44225  
 6; 2599.1; 15-AUG-2010 16:11:47; Bright; 36.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 73; 0;44225  
 7; 2697.0; 15-AUG-2010 16:13:25; Bright; 40.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 81; 0;44225  
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 4; 1800.2; 15-AUG-2010 17:39:05; Bright; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;44226  
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24; 5177.2; 21-AUG-2010 23:48:39; Dark ; 52.0; 30; 46Eps Ori ; 1.69; 30000;occ; 104; 0;44315  
25; 5265.9; 21-AUG-2010 23:50:08; Dark ; 47.0; 125; 44Iot Ori ; 2.77; 30000;occ; 94; 0;44315  
26; 5373.8; 21-AUG-2010 23:51:56; Dark ; 26.0; 7; 19Bet Ori ; 0.10; 14000;occ; 52; 0;44315

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3; -386.4; 21-AUG-2010 23:56:31; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44315  
4; 306.9; 22-AUG-2010 00:08:05; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;44316  
5; 510.2; 22-AUG-2010 00:11:28; Dark ; 46.5; 9; Alp Eri ; 0.45; 24000;occ; 93; 0;44316  
6; 864.3; 22-AUG-2010 00:17:22; Dark ; 54.5; 84; Alp Phe ; 2.40; 4500;occ; 109; 0;44316  
7; 998.6; 22-AUG-2010 00:19:36; Dark ; 45.5; 63; Bet Gru ; 2.15; 2800;occ; 91; 0;44316  
8; 1283.1; 22-AUG-2010 00:24:21; Dark ; 53.5; 18; 24Alp PsA ; 1.17; 9700;occ; 107; 0;44316  
9; 1600.6; 22-AUG-2010 00:29:38; Bright; 44.0; 142; 49Del Cap ; 2.85; 8900;occ; 88; 0;44316  
10; 1799.2; 22-AUG-2010 00:32:57; Bright; 40.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 80; 0;44316  
11; 1907.0; 22-AUG-2010 00:34:45; Bright; 45.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 90; 0;44316  
12; 2093.1; 22-AUG-2010 00:37:51; Bright; 42.0; 61; 8Eps Peg ; 2.10; 3900;occ; 84; 0;44316  
13; 2490.3; 22-AUG-2010 00:44:28; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;44316  
14; 2682.6; 22-AUG-2010 00:47:40; Bright; 35.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 70; 0;44316  
15; 2997.0; 22-AUG-2010 00:52:55; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;44316  
16; 3244.1; 22-AUG-2010 00:57:02; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;44316  
17; 4183.9; 22-AUG-2010 01:12:42; Bright; 52.5; 6; 13Alp Aur ; 0.08; 3400;occ; 105; 0;44316  
18; 4371.9; 22-AUG-2010 01:15:50; Bright; 60.0; 107; 37The Aur ; 2.65; 11000;occ; 120; 0;44316  
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21; 4970.9; 22-AUG-2010 01:25:49; Dark ; 64.0; 14; 58Alp Ori ; 0.87; 3000;occ; 128; 0;44316  
22; 5060.7; 22-AUG-2010 01:27:18; Dark ; 53.5; 27; 24Gam Ori ; 1.64; 26000;occ; 107; 0;44316  
23; 5178.2; 22-AUG-2010 01:29:16; Dark ; 50.0; 30; 46Eps Ori ; 1.69; 30000;occ; 100; 0;44316

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2; -1664.5; 21-AUG-2010 06:49:14; Bright; 42.0; 107; 37The Aur ; 2.65; 11000;occ; 84; 0;44305  
3; -1468.5; 21-AUG-2010 06:52:30; Dark ; 48.5; 28; 12Bet Tau ; 1.65; 15200;occ; 97; 0;44305  
4; -1296.3; 21-AUG-2010 06:55:22; Dark ; 38.0; 44; 24Gam Gem ; 1.93; 11000;occ; 76; 0;44305  
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6; -983.1; 21-AUG-2010 07:00:35; Dark ; 56.5; 27; 24Gam Ori ; 1.64; 26000;occ; 113; 0;44305  
7; -866.0; 21-AUG-2010 07:02:33; Dark ; 54.0; 30; 46Eps Ori ; 1.69; 30000;occ; 108; 0;44305  
8; -778.1; 21-AUG-2010 07:04:00; Dark ; 49.5; 125; 44Iot Ori ; 2.77; 30000;occ; 99; 0;44305  
9; -671.6; 21-AUG-2010 07:05:47; Dark ; 68.0; 7; 19Bet Ori ; 0.10; 14000;occ; 136; 0;44305  
10; -569.5; 21-AUG-2010 07:07:29; Dark ; 49.5; 101; 11Alp Lep ; 2.58; 7000;occ; 99; 0;44305  
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12; 294.7; 21-AUG-2010 07:21:53; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;44306  
13; 503.9; 21-AUG-2010 07:25:22; Dark ; 46.0; 9; Alp Eri ; 0.45; 24000;occ; 92; 0;44306  
14; 856.6; 21-AUG-2010 07:31:15; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;44306  
15; 994.7; 21-AUG-2010 07:33:33; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;44306  
16; 1279.8; 21-AUG-2010 07:38:18; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;44306  
17; 1599.4; 21-AUG-2010 07:43:38; Bright; 42.5; 142; 49Del Cap ; 2.85; 8900;occ; 85; 0;44306

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3; 2094.9; 21-AUG-2010 07:51:53; Bright; 45.0; 61; 8Eps Peg ; 2.10; 3900;occ; 90; 0;44306

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5; 2683.6; 21-AUG-2010 08:01:42; Bright; 40.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 80; 0;44306
6; 2999.1; 21-AUG-2010 08:06:58; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;44306
7; 3251.8; 21-AUG-2010 08:11:10; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;44306
8; 4185.8; 21-AUG-2010 08:26:44; Bright; 65.0; 6; 13Alp Aur ; 0.08; 3400;occ; 130; 0;44306
9; 4371.7; 21-AUG-2010 08:29:50; Bright; 41.0; 107; 37The Aur ; 2.65; 11000;occ; 82; 0;44306
10; 4567.7; 21-AUG-2010 08:33:06; Dark ; 54.0; 28; 12Bet Tau ; 1.65; 15200;occ; 108; 0;44306
11; 4740.2; 21-AUG-2010 08:35:59; Dark ; 39.0; 44; 24Gam Gem ; 1.93; 11000;occ; 78; 0;44306
12; 4965.7; 21-AUG-2010 08:39:44; Dark ; 56.0; 14; 58Alp Ori ; 0.87; 3000;occ; 112; 0;44306
13; 5053.5; 21-AUG-2010 08:41:12; Dark ; 57.0; 27; 24Gam Ori ; 1.64; 26000;occ; 114; 0;44306
14; 5170.7; 21-AUG-2010 08:43:09; Dark ; 53.0; 30; 46Eps Ori ; 1.69; 30000;occ; 106; 0;44306
15; 5258.8; 21-AUG-2010 08:44:37; Dark ; 47.5; 125; 44Iot Ori ; 2.77; 30000;occ; 95; 0;44306
16; 5365.3; 21-AUG-2010 08:46:24; Dark ; 61.5; 7; 19Bet Ori ; 0.10; 14000;occ; 123; 0;44306
17; 5467.5; 21-AUG-2010 08:48:06; Dark ; 47.0; 101; 11Alp Lep ; 2.58; 7000;occ; 94; 0;44306
18; 5641.8; 21-AUG-2010 08:51:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44306
19; 6331.8; 21-AUG-2010 09:02:30; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;44307
20; 6540.7; 21-AUG-2010 09:05:59; Dark ; 50.5; 9; Alp Eri ; 0.45; 24000;occ; 101; 0;44307
21; 6893.2; 21-AUG-2010 09:11:52; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;44307
22; 7031.0; 21-AUG-2010 09:14:10; Dark ; 50.5; 63; Bet Gru ; 2.15; 2800;occ; 101; 0;44307
23; 7316.0; 21-AUG-2010 09:18:55; Dark ; 51.0; 18; 24Alp PsA ; 1.17; 9700;occ; 102; 0;44307
24; 7635.4; 21-AUG-2010 09:24:14; Bright; 41.5; 142; 49Del Cap ; 2.85; 8900;occ; 83; 0;44307
25; 7835.0; 21-AUG-2010 09:27:34; Bright; 10.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 20; 0;44307
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3; 2094.7; 21-AUG-2010 09:32:29; Bright; 41.5; 61; 8Eps Peg ; 2.10; 3900;occ; 83; 0;44307
4; 2491.3; 21-AUG-2010 09:39:06; Bright; 38.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 77; 0;44307
5; 2683.9; 21-AUG-2010 09:42:18; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;44307
6; 2999.0; 21-AUG-2010 09:47:33; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;44307
7; 3251.0; 21-AUG-2010 09:51:45; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;44307
8; 4185.4; 21-AUG-2010 10:07:20; Bright; 49.0; 6; 13Alp Aur ; 0.08; 3400;occ; 98; 0;44307
9; 4371.6; 21-AUG-2010 10:10:26; Bright; 40.5; 107; 37The Aur ; 2.65; 11000;occ; 81; 0;44307
10; 4568.0; 21-AUG-2010 10:13:42; Dark ; 57.0; 28; 12Bet Tau ; 1.65; 15200;occ; 114; 0;44307
11; 4740.3; 21-AUG-2010 10:16:35; Dark ; 45.5; 44; 24Gam Gem ; 1.93; 11000;occ; 91; 0;44307
12; 4965.9; 21-AUG-2010 10:20:20; Dark ; 63.0; 14; 58Alp Ori ; 0.87; 3000;occ; 126; 0;44307
13; 5054.1; 21-AUG-2010 10:21:49; Dark ; 56.5; 27; 24Gam Ori ; 1.64; 26000;occ; 113; 0;44307
14; 5171.8; 21-AUG-2010 10:23:46; Dark ; 53.5; 30; 46Eps Ori ; 1.69; 30000;occ; 107; 0;44307
15; 5259.7; 21-AUG-2010 10:25:14; Dark ; 47.0; 125; 44Iot Ori ; 2.77; 30000;occ; 94; 0;44307
16; 5366.2; 21-AUG-2010 10:27:01; Dark ; 66.5; 7; 19Bet Ori ; 0.10; 14000;occ; 133; 0;44307
17; 5467.8; 21-AUG-2010 10:28:42; Dark ; 49.0; 101; 11Alp Lep ; 2.58; 7000;occ; 98; 0;44307
18; 5642.6; 21-AUG-2010 10:31:37; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44307
19; 6333.2; 21-AUG-2010 10:43:08; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;44308
20; 6541.2; 21-AUG-2010 10:46:36; Dark ; 49.5; 9; Alp Eri ; 0.45; 24000;occ; 99; 0;44308
21; 6894.3; 21-AUG-2010 10:52:29; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;44308
22; 7031.8; 21-AUG-2010 10:54:46; Dark ; 48.0; 63; Bet Gru ; 2.15; 2800;occ; 96; 0;44308
23; 7316.3; 21-AUG-2010 10:59:31; Dark ; 52.5; 18; 24Alp PsA ; 1.17; 9700;occ; 105; 0;44308
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3; 2094.6; 21-AUG-2010 11:13:05; Bright; 40.5; 61; 8Eps Peg ; 2.10; 3900;occ; 81; 0;44308
4; 2491.0; 21-AUG-2010 11:19:41; Bright; 38.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 77; 0;44308
5; 2683.7; 21-AUG-2010 11:22:54; Bright; 38.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 76; 0;44308
6; 2998.7; 21-AUG-2010 11:28:09; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;44308
7; 3249.8; 21-AUG-2010 11:32:20; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;44308
8; 4185.3; 21-AUG-2010 11:47:56; Bright; 56.0; 6; 13Alp Aur ; 0.08; 3400;occ; 112; 0;44308
9; 4372.0; 21-AUG-2010 11:51:02; Bright; 46.5; 107; 37The Aur ; 2.65; 11000;occ; 93; 0;44308
10; 4642.9; 21-AUG-2010 11:55:33; Dark ; 49.5; 151; 13Mu Gem ; 2.89; 3000;occ; 99; 0;44308
11; 4740.5; 21-AUG-2010 11:57:11; Dark ; 45.5; 44; 24Gam Gem ; 1.93; 11000;occ; 91; 0;44308
12; 4966.5; 21-AUG-2010 12:00:57; Dark ; 63.0; 14; 58Alp Ori ; 0.87; 3000;occ; 126; 0;44308
13; 5055.1; 21-AUG-2010 12:02:25; Dark ; 58.0; 27; 24Gam Ori ; 1.64; 26000;occ; 116; 0;44308
14; 5172.2; 21-AUG-2010 12:04:23; Dark ; 54.0; 30; 46Eps Ori ; 1.69; 30000;occ; 108; 0;44308
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16; 5367.3; 21-AUG-2010 12:07:38; Dark ; 64.0; 7; 19Bet Ori ; 0.10; 14000;occ; 128; 0;44308
17; 5468.7; 21-AUG-2010 12:09:19; Dark ; 51.5; 101; 11Alp Lep ; 2.58; 7000;occ; 103; 0;44308
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19; 6334.0; 21-AUG-2010 12:23:44; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;44309
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23; 7032.2; 21-AUG-2010 14:15:58; Dark ; 45.0; 63; Bet Gru ; 2.15; 2800;occ; 90; 0;44310
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6; 519.2; 22-AUG-2010 21:59:24; Dark ; 45.5; 9; Alp Eri ; 0.45; 24000;occ; 91; 0;44329
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14; 2489.1; 22-AUG-2010 22:32:14; Bright; 36.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 72; 0;44329
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 12; 4973.0; 22-AUG-2010 08:08:15; Dark ; 57.0; 14; 58Alp Ori ; 0.87; 3000;occ; 114; 0;44320  
 13; 5063.8; 22-AUG-2010 08:09:45; Dark ; 58.0; 27; 24Gam Ori ; 1.64; 26000;occ; 116; 0;44320  
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 9; 4183.2; 22-AUG-2010 12:56:52; Bright; 55.0; 6; 13Alp Aur ; 0.08; 3400;occ; 110; 0;44323  
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 12; 4745.1; 22-AUG-2010 13:06:14; Dark ; 44.0; 44; 24Gam Gem ; 1.93; 11000;occ; 88; 0;44323  
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 14; 5066.1; 22-AUG-2010 13:11:35; Dark ; 54.5; 27; 24Gam Ori ; 1.64; 26000;occ; 109; 0;44323  
 15; 5183.5; 22-AUG-2010 13:13:33; Dark ; 53.5; 30; 46Eps Ori ; 1.69; 30000;occ; 107; 0;44323  
 16; 5272.3; 22-AUG-2010 13:15:01; Dark ; 51.5; 125; 44Iot Ori ; 2.77; 30000;occ; 103; 0;44323  
 17; 5382.3; 22-AUG-2010 13:16:51; Dark ; 61.5; 7; 19Bet Ori ; 0.10; 14000;occ; 123; 0;44323  
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 19; 5656.5; 22-AUG-2010 13:21:26; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44323  
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 13; 4975.3; 22-AUG-2010 14:50:40; Dark ; 54.5; 14; 58Alp Ori ; 0.87; 3000;occ; 109; 0;44324  
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 15; 5184.5; 22-AUG-2010 14:54:10; Dark ; 55.5; 30; 46Eps Ori ; 1.69; 30000;occ; 111; 0;44324  
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23; 7038.4; 22-AUG-2010 15:25:03; Dark ; 47.5; 63; Bet Gru ; 2.15; 2800;occ; 95; 0;44325  
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3; 1906.0; 22-AUG-2010 15:40:07; Bright; 46.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 92; 0;44325  
4; 2091.2; 22-AUG-2010 15:43:12; Bright; 40.0; 61; 8Eps Peg ; 2.10; 3900;occ; 80; 0;44325  
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6; 2681.7; 22-AUG-2010 15:53:03; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;44325  
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11; 4571.9; 22-AUG-2010 16:24:33; Dark ; 55.0; 28; 12Bet Tau ; 1.65; 15200;occ; 110; 0;44325  
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10; 4182.9; 22-AUG-2010 17:58:40; Bright; 51.0; 6; 13Alp Aur ; 0.08; 3400;occ; 102; 0;44326  
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19; 5483.8; 22-AUG-2010 18:20:21; Dark ; 47.5; 101; 11Alp Lep ; 2.58; 7000;occ; 95; 0;44326  
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5; 1905.4; 22-AUG-2010 19:01:18; Bright; 45.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 91; 0;44327  
6; 2090.9; 22-AUG-2010 19:04:24; Bright; 41.5; 61; 8Eps Peg ; 2.10; 3900;occ; 83; 0;44327  
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22; 6357.6; 22-AUG-2010 20:15:31; Dark ; 52.5; 157; The1Eri ; 2.91; 9300;occ; 105; 0;44328
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3; 325.0; 23-AUG-2010 01:17:22; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;44331
4; 520.4; 23-AUG-2010 01:20:37; Dark ; 42.5; 9; Alp Eri ; 0.45; 24000;occ; 85; 0;44331
5; 875.2; 23-AUG-2010 01:26:32; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;44331
6; 1004.6; 23-AUG-2010 01:28:41; Dark ; 45.0; 63; Bet Gru ; 2.15; 2800;occ; 90; 0;44331
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9; 5190.6; 23-AUG-2010 04:19:03; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;44332
10; 5279.9; 23-AUG-2010 04:20:32; Dark ; 48.5; 125; 44Iot Ori ; 2.77; 30000;occ; 97; 0;44332
11; 5391.7; 23-AUG-2010 04:22:24; Dark ; 63.5; 7; 19Bet Ori ; 0.10; 14000;occ; 127; 0;44332
12; 5549.1; 23-AUG-2010 04:25:02; Dark ; 52.5; 139; 9Bet Lep ; 2.83; 5600;occ; 105; 0;44332
13; 5664.7; 23-AUG-2010 04:26:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44332
14; 6363.5; 23-AUG-2010 04:38:36; Dark ; 53.5; 157; The1Eri ; 2.91; 9300;occ; 107; 0;44333
15; 6557.7; 23-AUG-2010 04:41:50; Dark ; 46.5; 9; Alp Eri ; 0.45; 24000;occ; 93; 0;44333
16; 6913.1; 23-AUG-2010 04:47:46; Dark ; 59.0; 84; Alp Phe ; 2.40; 4500;occ; 118; 0;44333

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18; 7325.1; 23-AUG-2010 04:54:38; Dark ; 52.0; 18; 24Alp PsA ; 1.17; 9700;occ; 104; 0;44333
19; 7638.9; 23-AUG-2010 04:59:51; Dark ; 48.0; 142; 49Del Cap ; 2.85; 8900;occ; 96; 0;44333
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21; 7940.9; 23-AUG-2010 05:04:53; Bright; 45.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 90; 0;44333
22; 8125.5; 23-AUG-2010 05:07:58; Bright; 41.5; 61; 8Eps Peg ; 2.10; 3900;occ; 83; 0;44333
23; 8525.0; 23-AUG-2010 05:14:37; Bright; 37.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 74; 0;44333
24; 8716.9; 23-AUG-2010 05:17:49; Bright; 41.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 83; 0;44333
25; 9029.8; 23-AUG-2010 05:23:02; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;44333
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 3; -1462.6; 23-AUG-2010 05:49:22; Dark ; 56.5; 28; 12Bet Tau ; 1.65; 15200;occ; 113; 0;44333
 4; -1288.1; 23-AUG-2010 05:52:16; Dark ; 39.5; 44; 24Gam Gem ; 1.93; 11000;occ; 79; 0;44333
 5; -1055.9; 23-AUG-2010 05:56:09; Dark ; 58.0; 14; 58Alp Ori ; 0.87; 3000;occ; 116; 0;44333
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 7; -844.4; 23-AUG-2010 05:59:40; Dark ; 55.5; 30; 46Eps Ori ; 1.69; 30000;occ; 111; 0;44333
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 9; -643.2; 23-AUG-2010 06:03:01; Dark ; 73.5; 7; 19Bet Ori ; 0.10; 14000;occ; 147; 0;44333
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11; -370.4; 23-AUG-2010 06:07:34; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44333
12; 329.0; 23-AUG-2010 06:19:13; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;44334
13; 522.1; 23-AUG-2010 06:22:27; Dark ; 45.5; 9; Alp Eri ; 0.45; 24000;occ; 91; 0;44334
14; 877.6; 23-AUG-2010 06:28:22; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;44334
15; 1005.8; 23-AUG-2010 06:30:30; Dark ; 55.5; 63; Bet Gru ; 2.15; 2800;occ; 111; 0;44334
16; 1289.4; 23-AUG-2010 06:35:14; Dark ; 50.5; 18; 24Alp PsA ; 1.17; 9700;occ; 101; 0;44334
17; 1602.9; 23-AUG-2010 06:40:27; Dark ; 45.5; 142; 49Del Cap ; 2.85; 8900;occ; 91; 0;44334
18; 1800.1; 23-AUG-2010 06:43:45; Bright; 40.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 81; 0;44334
19; 1904.5; 23-AUG-2010 06:45:29; Bright; 44.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 89; 0;44334
20; 2089.7; 23-AUG-2010 06:48:34; Bright; 41.5; 61; 8Eps Peg ; 2.10; 3900;occ; 83; 0;44334
21; 2488.5; 23-AUG-2010 06:55:13; Bright; 37.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 74; 0;44334
22; 2680.9; 23-AUG-2010 06:58:25; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;44334
23; 2993.4; 23-AUG-2010 07:03:38; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;44334
24; 3231.1; 23-AUG-2010 07:07:36; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;44334
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 3; -1462.2; 23-AUG-2010 07:29:58; Dark ; 56.0; 28; 12Bet Tau ; 1.65; 15200;occ; 112; 0;44334
 4; -1287.6; 23-AUG-2010 07:32:53; Dark ; 42.5; 44; 24Gam Gem ; 1.93; 11000;occ; 85; 0;44334
 5; -1055.0; 23-AUG-2010 07:36:45; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;44334
 6; -961.2; 23-AUG-2010 07:38:19; Dark ; 48.0; 27; 24Gam Ori ; 1.64; 26000;occ; 96; 0;44334
 7; -843.6; 23-AUG-2010 07:40:17; Dark ; 55.5; 30; 46Eps Ori ; 1.69; 30000;occ; 111; 0;44334
 8; -754.4; 23-AUG-2010 07:41:46; Dark ; 50.5; 125; 44Iot Ori ; 2.77; 30000;occ; 101; 0;44334
 9; -642.1; 23-AUG-2010 07:43:38; Dark ; 75.0; 7; 19Bet Ori ; 0.10; 14000;occ; 150; 0;44334
10; -485.4; 23-AUG-2010 07:46:15; Dark ; 52.0; 139; 9Bet Lep ; 2.83; 5600;occ; 104; 0;44334
11; -369.5; 23-AUG-2010 07:48:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44334
12; 329.9; 23-AUG-2010 07:59:50; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;44335
13; 523.1; 23-AUG-2010 08:03:03; Dark ; 49.5; 9; Alp Eri ; 0.45; 24000;occ; 99; 0;44335
14; 878.4; 23-AUG-2010 08:08:59; Dark ; 60.5; 84; Alp Phe ; 2.40; 4500;occ; 121; 0;44335
15; 1006.2; 23-AUG-2010 08:11:07; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;44335
16; 1289.9; 23-AUG-2010 08:15:50; Dark ; 52.5; 18; 24Alp PsA ; 1.17; 9700;occ; 105; 0;44335
17; 1603.2; 23-AUG-2010 08:21:04; Dark ; 43.0; 142; 49Del Cap ; 2.85; 8900;occ; 86; 0;44335
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 3; 2089.0; 23-AUG-2010 08:29:09; Bright; 42.5; 61; 8Eps Peg ; 2.10; 3900;occ; 85; 0;44335
 4; 2488.5; 23-AUG-2010 08:35:49; Bright; 36.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 72; 0;44335
 5; 2680.6; 23-AUG-2010 08:39:01; Bright; 38.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 76; 0;44335
 6; 2993.3; 23-AUG-2010 08:44:14; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;44335
 7; 3230.2; 23-AUG-2010 08:48:11; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;44335
 8; 4181.3; 23-AUG-2010 09:04:02; Bright; 52.0; 6; 13Alp Aur ; 0.08; 3400;occ; 104; 0;44335
 9; 4373.6; 23-AUG-2010 09:07:14; Bright; 42.5; 107; 37The Aur ; 2.65; 11000;occ; 85; 0;44335
10; 4573.7; 23-AUG-2010 09:10:34; Dark ; 56.0; 28; 12Bet Tau ; 1.65; 15200;occ; 112; 0;44335
11; 4748.6; 23-AUG-2010 09:13:29; Dark ; 44.5; 44; 24Gam Gem ; 1.93; 11000;occ; 89; 0;44335
12; 4981.5; 23-AUG-2010 09:17:22; Dark ; 62.0; 14; 58Alp Ori ; 0.87; 3000;occ; 124; 0;44335
13; 5075.7; 23-AUG-2010 09:18:56; Dark ; 48.0; 27; 24Gam Ori ; 1.64; 26000;occ; 96; 0;44335
14; 5193.1; 23-AUG-2010 09:20:54; Dark ; 53.5; 30; 46Eps Ori ; 1.69; 30000;occ; 107; 0;44335

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15; 5282.4; 23-AUG-2010 09:22:23; Dark ; 49.0; 125; 44Iot Ori ; 2.77; 30000;occ; 98; 0;44335  
16; 5394.8; 23-AUG-2010 09:24:15; Dark ; 61.5; 7; 19Bet Ori ; 0.10; 14000;occ; 123; 0;44335  
17; 5551.5; 23-AUG-2010 09:26:52; Dark ; 49.0; 139; 9Bet Lep ; 2.83; 5600;occ; 98; 0;44335  
18; 5667.3; 23-AUG-2010 09:28:48; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44335  
19; 6367.0; 23-AUG-2010 09:40:27; Dark ; 52.5; 157; The1Eri ; 2.91; 9300;occ; 105; 0;44336  
20; 6559.9; 23-AUG-2010 09:43:40; Dark ; 44.0; 9; Alp Eri ; 0.45; 24000;occ; 88; 0;44336  
21; 6914.7; 23-AUG-2010 09:49:35; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;44336  
22; 7042.3; 23-AUG-2010 09:51:43; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;44336  
23; 7326.1; 23-AUG-2010 09:56:27; Dark ; 50.0; 18; 24Alp PsA ; 1.17; 9700;occ; 100; 0;44336  
24; 7639.0; 23-AUG-2010 10:01:39; Dark ; 44.0; 142; 49Del Cap ; 2.85; 8900;occ; 88; 0;44336

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3; 2089.2; 23-AUG-2010 10:09:45; Bright; 43.0; 61; 8Eps Peg ; 2.10; 3900;occ; 86; 0;44336  
4; 2488.5; 23-AUG-2010 10:16:25; Bright; 36.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 73; 0;44336  
5; 2680.5; 23-AUG-2010 10:19:37; Bright; 36.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 72; 0;44336  
6; 2993.3; 23-AUG-2010 10:24:50; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;44336  
7; 3229.5; 23-AUG-2010 10:28:46; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;44336  
8; 4181.3; 23-AUG-2010 10:44:38; Bright; 52.0; 6; 13Alp Aur ; 0.08; 3400;occ; 104; 0;44336  
9; 4373.4; 23-AUG-2010 10:47:50; Bright; 41.0; 107; 37The Aur ; 2.65; 11000;occ; 82; 0;44336  
10; 4574.2; 23-AUG-2010 10:51:11; Dark ; 48.0; 28; 12Bet Tau ; 1.65; 15200;occ; 96; 0;44336  
11; 4649.7; 23-AUG-2010 10:52:26; Dark ; 50.5; 151; 13Mu Gem ; 2.89; 3000;occ; 101; 0;44336  
12; 4748.6; 23-AUG-2010 10:54:05; Dark ; 46.0; 44; 24Gam Gem ; 1.93; 11000;occ; 92; 0;44336  
13; 4981.9; 23-AUG-2010 10:57:58; Dark ; 65.0; 14; 58Alp Ori ; 0.87; 3000;occ; 130; 0;44336  
14; 5076.4; 23-AUG-2010 10:59:33; Dark ; 39.0; 27; 24Gam Ori ; 1.64; 26000;occ; 78; 0;44336  
15; 5193.7; 23-AUG-2010 11:01:30; Dark ; 51.5; 30; 46Eps Ori ; 1.69; 30000;occ; 103; 0;44336  
16; 5307.5; 23-AUG-2010 11:03:24; Dark ; 55.0; 1; 9Alp CMa ; -1.44; 11000;occ; 110; 0;44336  
17; 5395.9; 23-AUG-2010 11:04:52; Dark ; 67.5; 7; 19Bet Ori ; 0.10; 14000;occ; 135; 0;44336  
18; 5552.2; 23-AUG-2010 11:07:29; Dark ; 50.0; 139; 9Bet Lep ; 2.83; 5600;occ; 100; 0;44336  
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21; 6560.1; 23-AUG-2010 11:24:16; Dark ; 45.5; 9; Alp Eri ; 0.45; 24000;occ; 91; 0;44337  
22; 6915.3; 23-AUG-2010 11:30:12; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;44337  
23; 7042.9; 23-AUG-2010 11:32:19; Dark ; 44.5; 63; Bet Gru ; 2.15; 2800;occ; 89; 0;44337  
24; 7326.5; 23-AUG-2010 11:37:03; Dark ; 51.5; 18; 24Alp PsA ; 1.17; 9700;occ; 103; 0;44337  
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3; 1904.2; 23-AUG-2010 11:47:16; Bright; 44.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 88; 0;44337  
4; 2088.9; 23-AUG-2010 11:50:21; Bright; 40.0; 61; 8Eps Peg ; 2.10; 3900;occ; 80; 0;44337  
5; 2488.5; 23-AUG-2010 11:57:01; Bright; 39.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 78; 0;44337  
6; 2680.6; 23-AUG-2010 12:00:13; Bright; 35.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 70; 0;44337  
7; 2993.2; 23-AUG-2010 12:05:25; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;44337  
8; 3228.7; 23-AUG-2010 12:09:21; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;44337  
9; 4181.1; 23-AUG-2010 12:25:13; Bright; 53.0; 6; 13Alp Aur ; 0.08; 3400;occ; 106; 0;44337  
10; 4373.3; 23-AUG-2010 12:28:26; Bright; 53.5; 107; 37The Aur ; 2.65; 11000;occ; 107; 0;44337  
11; 4574.3; 23-AUG-2010 12:31:46; Dark ; 48.0; 28; 12Bet Tau ; 1.65; 15200;occ; 96; 0;44337  
12; 4650.3; 23-AUG-2010 12:33:02; Dark ; 56.5; 151; 13Mu Gem ; 2.89; 3000;occ; 113; 0;44337  
13; 4749.1; 23-AUG-2010 12:34:41; Dark ; 45.5; 44; 24Gam Gem ; 1.93; 11000;occ; 91; 0;44337  
14; 4982.4; 23-AUG-2010 12:38:35; Dark ; 65.0; 14; 58Alp Ori ; 0.87; 3000;occ; 130; 0;44337  
15; 5077.3; 23-AUG-2010 12:40:09; Dark ; 39.0; 27; 24Gam Ori ; 1.64; 26000;occ; 78; 0;44337  
16; 5194.6; 23-AUG-2010 12:42:07; Dark ; 53.0; 30; 46Eps Ori ; 1.69; 30000;occ; 106; 0;44337  
17; 5308.0; 23-AUG-2010 12:44:00; Dark ; 46.5; 1; 9Alp CMa ; -1.44; 11000;occ; 93; 0;44337  
18; 5396.8; 23-AUG-2010 12:45:29; Dark ; 67.0; 7; 19Bet Ori ; 0.10; 14000;occ; 134; 0;44337  
19; 5553.1; 23-AUG-2010 12:48:05; Dark ; 51.5; 139; 9Bet Lep ; 2.83; 5600;occ; 103; 0;44337  
20; 5669.1; 23-AUG-2010 12:50:01; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44337  
21; 6369.5; 23-AUG-2010 13:01:42; Dark ; 53.5; 157; The1Eri ; 2.91; 9300;occ; 107; 0;44338  
22; 6561.0; 23-AUG-2010 13:04:53; Dark ; 45.0; 9; Alp Eri ; 0.45; 24000;occ; 90; 0;44338  
23; 6916.5; 23-AUG-2010 13:10:49; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;44338  
24; 7043.4; 23-AUG-2010 13:12:56; Dark ; 47.5; 63; Bet Gru ; 2.15; 2800;occ; 95; 0;44338  
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3; 1904.5; 23-AUG-2010 13:27:53; Bright; 46.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 92; 0;44338  
4; 2088.6; 23-AUG-2010 13:30:57; Bright; 40.5; 61; 8Eps Peg ; 2.10; 3900;occ; 81; 0;44338  
5; 2488.5; 23-AUG-2010 13:37:37; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;44338

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8; 3227.9; 23-AUG-2010 13:49:56; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;44338
9; 4180.8; 23-AUG-2010 14:05:49; Bright; 54.5; 6; 13Alp Aur ; 0.08; 3400;occ; 109; 0;44338
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11; 4574.7; 23-AUG-2010 14:12:23; Dark ; 40.0; 28; 12Bet Tau ; 1.65; 15200;occ; 80; 0;44338
12; 4650.8; 23-AUG-2010 14:13:39; Dark ; 52.0; 151; 13Mu Gem ; 2.89; 3000;occ; 104; 0;44338
13; 4749.3; 23-AUG-2010 14:15:17; Dark ; 46.5; 44; 24Gam Gem ; 1.93; 11000;occ; 93; 0;44338
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15; 5078.2; 23-AUG-2010 14:20:46; Dark ; 31.0; 27; 24Gam Ori ; 1.64; 26000;occ; 62; 0;44338
16; 5195.6; 23-AUG-2010 14:22:44; Dark ; 55.5; 30; 46Eps Ori ; 1.69; 30000;occ; 111; 0;44338
17; 5308.5; 23-AUG-2010 14:24:37; Dark ; 55.0; 1; 9Alp CMa ; -1.44; 11000;occ; 110; 0;44338
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20; 5670.0; 23-AUG-2010 14:30:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44338
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22; 6561.5; 23-AUG-2010 14:45:30; Dark ; 44.5; 9; Alp Eri ; 0.45; 24000;occ; 89; 0;44339
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11; 4657.6; 25-AUG-2010 11:29:56; Dark ; 51.5; 151; 13Mu Gem ; 2.89; 3000;occ; 103; 0;44365
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13; 4998.9; 25-AUG-2010 11:35:37; Dark ; 57.5; 14; 58Alp Ori ; 0.87; 3000;occ; 115; 0;44365
14; 5218.2; 25-AUG-2010 11:39:16; Dark ; 57.5; 30; 46Eps Ori ; 1.69; 30000;occ; 115; 0;44365
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 5; 2486.8; 25-AUG-2010 12:34:21; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;44366
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7; 2083.4; 25-AUG-2010 20:50:37; Bright; 40.0; 61; 8Eps Peg ; 2.10; 3900;occ; 80; 0;44371

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 12; 1900.2; 25-AUG-2010 22:28:10; Bright; 42.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 84; 0;44372  
 13; 2083.5; 25-AUG-2010 22:31:13; Bright; 41.0; 61; 8Eps Peg ; 2.10; 3900;occ; 82; 0;44372  
 14; 2486.5; 25-AUG-2010 22:37:56; Bright; 35.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 71; 0;44372  
 15; 2986.9; 25-AUG-2010 22:46:17; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;44372  
 16; 3203.9; 25-AUG-2010 22:49:54; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;44372  
 17; 3336.2; 25-AUG-2010 22:52:06; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;44372  
 18; 4216.0; 25-AUG-2010 23:06:46; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;44372  
 19; 4375.1; 25-AUG-2010 23:09:25; Bright; 42.5; 107; 37The Aur ; 2.65; 11000;occ; 85; 0;44372  
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 22; 5003.1; 25-AUG-2010 23:19:53; Dark ; 68.0; 14; 58Alp Ori ; 0.87; 3000;occ; 136; 0;44372  
 23; 5324.0; 25-AUG-2010 23:25:14; Dark ; 1.5; 1; 9Alp CMA ; -1.44; 11000;occ; 3; 0;44372

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 9; 1607.7; 26-AUG-2010 00:03:53; Dark ; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;44373  
 10; 1800.9; 26-AUG-2010 00:07:07; Bright; 40.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 81; 0;44373  
 11; 1900.3; 26-AUG-2010 00:08:46; Bright; 45.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 91; 0;44373  
 12; 2082.9; 26-AUG-2010 00:11:48; Bright; 41.0; 61; 8Eps Peg ; 2.10; 3900;occ; 82; 0;44373  
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 16; 3335.5; 26-AUG-2010 00:32:41; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;44373  
 17; 4216.0; 26-AUG-2010 00:47:22; Bright; 47.5; 42; 34Bet Aur ; 1.90; 10200;occ; 95; 0;44373  
 18; 4375.1; 26-AUG-2010 00:50:01; Bright; 55.0; 107; 37The Aur ; 2.65; 11000;occ; 110; 0;44373  
 19; 4659.9; 26-AUG-2010 00:54:46; Dark ; 51.0; 151; 13Mu Gem ; 2.89; 3000;occ; 102; 0;44373  
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 21; 5003.6; 26-AUG-2010 01:00:29; Dark ; 58.0; 14; 58Alp Ori ; 0.87; 3000;occ; 116; 0;44373

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 4; 378.0; 26-AUG-2010 01:23:59; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;44374  
 5; 548.0; 26-AUG-2010 01:26:50; Dark ; 54.0; 9; Alp Eri ; 0.45; 24000;occ; 108; 0;44374  
 6; 905.6; 26-AUG-2010 01:32:47; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;44374  
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5; 548.0; 26-AUG-2010 01:26:50; Dark ; 54.0; 9; Alp Eri ; 0.45; 24000;occ; 108; 0;44374
6; 905.6; 26-AUG-2010 01:32:47; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;44374
7; 1021.0; 26-AUG-2010 01:34:42; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;44374
8; 1302.8; 26-AUG-2010 01:39:24; Dark ; 53.0; 18; 24Alp PsA ; 1.17; 9700;occ; 106; 0;44374
9; 1607.5; 26-AUG-2010 01:44:29; Dark ; 50.5; 142; 49Del Cap ; 2.85; 8900;occ; 101; 0;44374
10; 1801.0; 26-AUG-2010 01:47:42; Bright; 39.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 79; 0;44374
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5; 2083.3; 26-AUG-2010 01:52:25; Bright; 39.0; 61; 8Eps Peg ; 2.10; 3900;occ; 78; 0;44374
6; 2486.6; 26-AUG-2010 01:59:08; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;44374
7; 2986.6; 26-AUG-2010 02:07:28; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;44374
8; 3202.6; 26-AUG-2010 02:11:04; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;44374
9; 3334.9; 26-AUG-2010 02:13:16; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;44374
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11; 4375.4; 26-AUG-2010 02:30:37; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;44374
12; 4660.1; 26-AUG-2010 02:35:22; Dark ; 52.5; 151; 13Mu Gem ; 2.89; 3000;occ; 105; 0;44374
13; 4760.5; 26-AUG-2010 02:37:02; Dark ; 48.0; 44; 24Gam Gem ; 1.93; 11000;occ; 96; 0;44374
14; 5004.4; 26-AUG-2010 02:41:06; Dark ; 66.0; 14; 58Alp Ori ; 0.87; 3000;occ; 132; 0;44374
15; 5222.7; 26-AUG-2010 02:44:44; Dark ; 57.5; 72; 34Del Ori ; 2.25; 30000;occ; 115; 0;44374
16; 5325.3; 26-AUG-2010 02:46:27; Dark ; 46.5; 1; 9Alp CMA ; -1.44; 11000;occ; 93; 0;44374
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19; 6585.0; 26-AUG-2010 03:07:26; Dark ; 49.0; 9; Alp Eri ; 0.45; 24000;occ; 98; 0;44375
20; 6942.0; 26-AUG-2010 03:13:23; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;44375
21; 7057.2; 26-AUG-2010 03:15:19; Dark ; 50.5; 63; Bet Gru ; 2.15; 2800;occ; 101; 0;44375
22; 7339.4; 26-AUG-2010 03:20:01; Dark ; 50.5; 18; 24Alp PsA ; 1.17; 9700;occ; 101; 0;44375
23; 7643.6; 26-AUG-2010 03:25:05; Dark ; 47.0; 142; 49Del Cap ; 2.85; 8900;occ; 94; 0;44375
24; 7837.3; 26-AUG-2010 03:28:19; Bright; 40.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 80; 0;44375
25; 7936.0; 26-AUG-2010 03:29:57; Bright; 42.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 85; 0;44375
26; 8119.0; 26-AUG-2010 03:33:00; Bright; 44.5; 61; 8Eps Peg ; 2.10; 3900;occ; 89; 0;44375
27; 8530.9; 26-AUG-2010 03:39:52; Bright; 26.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 53; 0;44375
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2; 3202.0; 26-AUG-2010 03:51:39; Bright; 42.5; 74; 11Bet Cas ; 2.27; 6600;occ; 85; 0;44375
3; 3334.4; 26-AUG-2010 03:53:52; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;44375
4; 4216.1; 26-AUG-2010 04:08:33; Bright; 44.0; 42; 34Bet Aur ; 1.90; 10200;occ; 88; 0;44375
5; 4375.3; 26-AUG-2010 04:11:13; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;44375
6; 4660.5; 26-AUG-2010 04:15:58; Dark ; 51.5; 151; 13Mu Gem ; 2.89; 3000;occ; 103; 0;44375
7; 4761.0; 26-AUG-2010 04:17:38; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;44375
8; 5005.2; 26-AUG-2010 04:21:43; Dark ; 62.5; 14; 58Alp Ori ; 0.87; 3000;occ; 125; 0;44375
9; 5223.7; 26-AUG-2010 04:25:21; Dark ; 59.5; 72; 34Del Ori ; 2.25; 30000;occ; 119; 0;44375
10; 5325.9; 26-AUG-2010 04:27:03; Dark ; 47.0; 1; 9Alp CMA ; -1.44; 11000;occ; 94; 0;44375
11; 5528.0; 26-AUG-2010 04:30:25; Dark ; 52.5; 101; 11Alp Lep ; 2.58; 7000;occ; 105; 0;44375
12; 5705.1; 26-AUG-2010 04:33:23; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44375
13; 6416.6; 26-AUG-2010 04:45:14; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;44376
14; 6585.8; 26-AUG-2010 04:48:03; Dark ; 45.0; 9; Alp Eri ; 0.45; 24000;occ; 90; 0;44376
15; 6943.2; 26-AUG-2010 04:54:01; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;44376
16; 7057.7; 26-AUG-2010 04:55:55; Dark ; 55.0; 63; Bet Gru ; 2.15; 2800;occ; 110; 0;44376
17; 7339.3; 26-AUG-2010 05:00:37; Dark ; 49.5; 18; 24Alp PsA ; 1.17; 9700;occ; 99; 0;44376
18; 7644.0; 26-AUG-2010 05:05:41; Dark ; 52.0; 142; 49Del Cap ; 2.85; 8900;occ; 104; 0;44376
19; 7837.5; 26-AUG-2010 05:08:55; Bright; 39.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 79; 0;44376
20; 7936.2; 26-AUG-2010 05:10:34; Bright; 43.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 86; 0;44376
21; 8119.2; 26-AUG-2010 05:13:37; Bright; 39.5; 61; 8Eps Peg ; 2.10; 3900;occ; 79; 0;44376
22; 8587.3; 26-AUG-2010 05:21:25; Bright; 49.5; 164; 44Eta Peg ; 2.95; 5400;occ; 99; 0;44376
23; 9022.7; 26-AUG-2010 05:28:40; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;44376
24; 9237.1; 26-AUG-2010 05:32:14; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;44376
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3; -1375.4; 26-AUG-2010 05:56:34; Dark ; 55.0; 151; 13Mu Gem ; 2.89; 3000;occ; 110; 0;44376
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1; -664.5; 31-AUG-2010 23:37:31; Dark ; 48.5; 1; 9Alp CMA ; -1.44; 11000;occ; 97; 0;44458
2; -498.5; 31-AUG-2010 23:40:17; Dark ; 41.5; 23; 21Eps CMA ; 1.50; 26000;occ; 83; 0;44458
3; -357.6; 31-AUG-2010 23:42:38; Dark ; 53.0; 139; 9Bet Lep ; 2.83; 5600;occ; 106; 0;44458

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4;	-242.7;	31-AUG-2010	23:44:33;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	44458
5;	524.9;	31-AUG-2010	23:57:20;	Dark	;	39.5;	143;	Alp Hyi	;	2.86;	7200;	occ;	79;	0;	44459
6;	601.9;	31-AUG-2010	23:58:37;	Dark	;	45.0;	9;	Alp Eri	;	0.45;	24000;	occ;	90;	0;	44459
7;	959.7;	01-SEP-2010	00:04:35;	Dark	;	47.5;	84;	Alp Phe	;	2.40;	4500;	occ;	95;	0;	44459
8;	1328.2;	01-SEP-2010	00:10:44;	Dark	;	47.0;	18;	24Alp PsA	;	1.17;	9700;	occ;	94;	0;	44459
9;	1618.7;	01-SEP-2010	00:15:34;	Dark	;	48.5;	142;	49Del Cap	;	2.85;	8900;	occ;	97;	0;	44459
10;	1895.5;	01-SEP-2010	00:20:11;	Bright;		41.0;	162;	34Alp Aqr	;	2.94;	5350;	occ;	82;	0;	44459
11;	2075.2;	01-SEP-2010	00:23:11;	Bright;		41.0;	61;	8Eps Peg	;	2.10;	3900;	occ;	82;	0;	44459
12;	2503.0;	01-SEP-2010	00:30:18;	Bright;		46.0;	164;	44Eta Peg	;	2.95;	5400;	occ;	92;	0;	44459
13;	2975.5;	01-SEP-2010	00:38:11;	Bright;		38.5;	89;	5Alp Cep	;	2.45;	8000;	occ;	77;	0;	44459
14;	3145.2;	01-SEP-2010	00:41:01;	Bright;		43.5;	74;	11Bet Cas	;	2.27;	6600;	occ;	87;	0;	44459
15;	3273.7;	01-SEP-2010	00:43:09;	Bright;		45.0;	76;	27Gam Cas	;	2.30;	30000;	occ;	90;	0;	44459
16;	4208.2;	01-SEP-2010	00:58:43;	Bright;		45.5;	42;	34Bet Aur	;	1.90;	10200;	occ;	91;	0;	44459
17;	4377.9;	01-SEP-2010	01:01:33;	Bright;		57.0;	107;	37The Aur	;	2.65;	11000;	occ;	114;	0;	44459
18;	4514.1;	01-SEP-2010	01:03:49;	Bright;		39.0;	17;	78Bet Gem	;	1.16;	4500;	occ;	78;	0;	44459
19;	4685.5;	01-SEP-2010	01:06:41;	Dark	;	57.0;	151;	13Mu Gem	;	2.89;	3000;	occ;	114;	0;	44459
20;	4790.7;	01-SEP-2010	01:08:26;	Dark	;	52.5;	44;	24Gam Gem	;	1.93;	11000;	occ;	105;	0;	44459
21;	4913.6;	01-SEP-2010	01:10:29;	Dark	;	49.5;	8;	10Alp CMi	;	0.40;	6500;	occ;	99;	0;	44459