

GOMOS Daily Report 15-AUG-2009

Level 0 and Level 1 products

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This report presents the daily analysis on parameters extracted from GOMOS level 1b data (GOM_TRA_1P). It is intended to monitor some important parameters that will impact the quality of the level 2 products as the Spectrometers and Photometers CCD Temperatures and Dark Charge, SATU noise equivalent angle... A list of level 0 products (and content) that have arrived during the actual month to the PCF is also given.

Item	Value
Time of report generation	17AUG2009 04:34:26
Data source version	GOMOS/5.00
Start time of products	15AUG2009 00:07:34
Stop time of products	15AUG2009 23:58:05
Store outputs in DB	Yes
Nb of level 1b prods	93
Nb of prods with errors	2

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

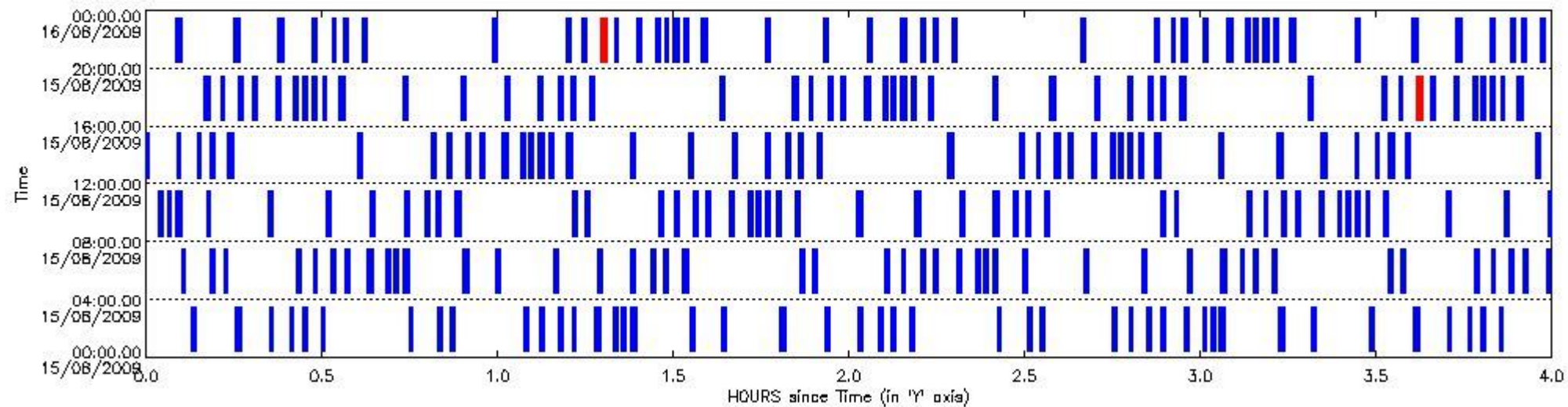
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

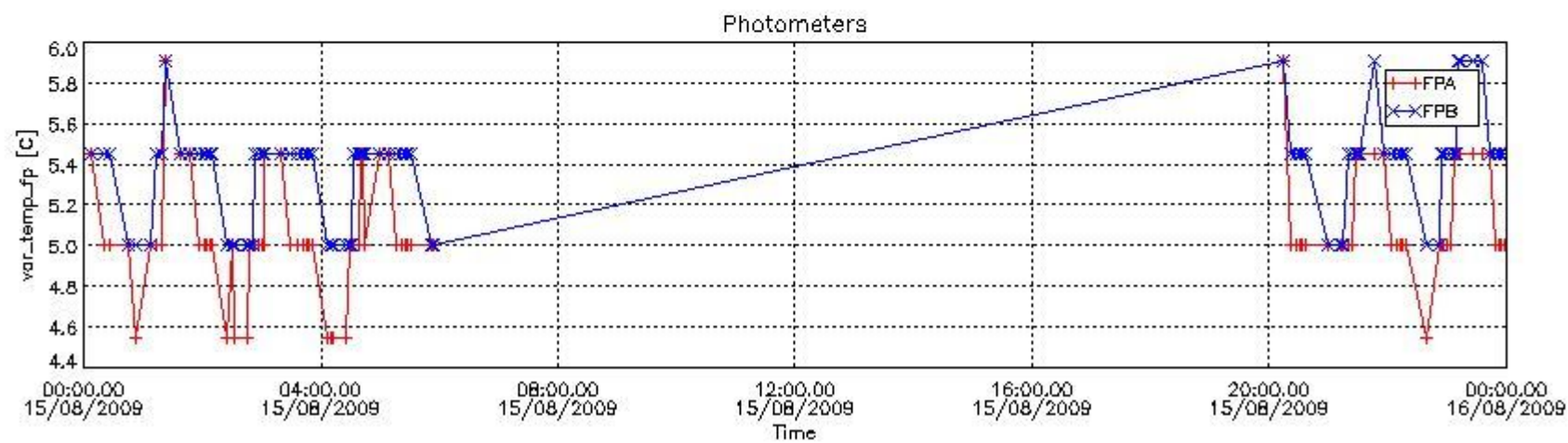
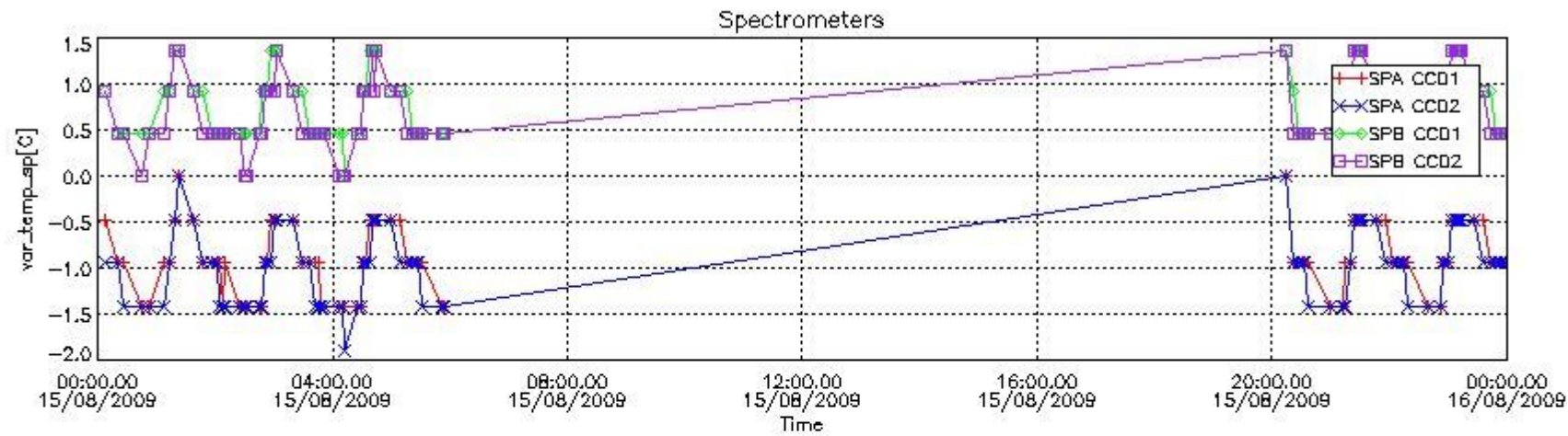
UTC start time	Star name	Star ID	Orbit
15-AUG-2009 19:36:55	12BetTau	28	39002
15-AUG-2009 21:17:31	12BetTau	28	39003

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_1PNPDE20090815_000734_000000532081_00360_38991_1305.N1	15-AUG-2009 00:07:34	Straylight	52.500	84	Alp Phe	2.3970	4500.0	105	38991	No
2	GOM_TRA_1PNPDE20090815_002058_000000432081_00360_38991_1307.N1	15-AUG-2009 00:20:58	Bright	42.500	142	49Del Cap	2.8500	8900.0	85	38991	No
3	GOM_TRA_1PNPDE20090815_002634_000000502081_00360_38991_1309.N1	15-AUG-2009 00:26:34	Bright	49.500	162	34Alp Aqr	2.9440	5350.0	99	38991	No
4	GOM_TRA_1PNPDE20090815_004448_000000392081_00360_38991_1311.N1	15-AUG-2009 00:44:48	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	38991	No
5	GOM_TRA_1PNPDE20090815_005158_000000482081_00360_38991_1313.N1	15-AUG-2009 00:51:58	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	38991	No
6	GOM_TRA_1PNPDE20090815_010713_000000392081_00360_38991_1315.N1	15-AUG-2009 01:07:13	Bright	39.000	107	37The Aur	2.6490	11000.	78	38991	No
7	GOM_TRA_1PNPDE20090815_011238_000000482081_00360_38991_1317.N1	15-AUG-2009 01:12:38	Twilight_stray	47.500	176	23Zet Tau	3.0200	22000.	95	38991	No
8	GOM_TRA_1PNPDE20090815_011942_000000482081_00360_38991_1319.N1	15-AUG-2009 01:19:42	Dark	48.000	30	46Eps Ori	1.6940	30000.	96	38991	No
9	GOM_TRA_1PNPDE20090815_012239_000000592081_00360_38991_1437.N1	15-AUG-2009 01:22:39	Dark	58.500	7	19Bet Ori	0.10000	14000.	117	38991	Yes

69	GOM_TRA_1PNPDE20090815_213152_000000462081_00372_39003_2360.N1	15-AUG-2009 21:31:52	Dark	45.500	101	11Alp Lep	2.5820	7000.0	91	39003	No
70	GOM_TRA_1PNPDE20090815_214541_000000502081_00373_39004_2361.N1	15-AUG-2009 21:45:41	Dark	50.000	157	The1Eri	2.9060	9300.0	100	39004	No
71	GOM_TRA_1PNPDE20090815_215533_000000512081_00373_39004_2362.N1	15-AUG-2009 21:55:33	Straylight	50.500	84	Alp Phe	2.3970	4500.0	101	39004	No
72	GOM_TRA_1PNPDE20090815_220305_000000522081_00373_39004_2363.N1	15-AUG-2009 22:03:05	Twilight_stray	52.000	18	24Alp PsA	1.1660	9700.0	104	39004	No
73	GOM_TRA_1PNPDE20090815_220846_000000602081_00373_39004_2364.N1	15-AUG-2009 22:08:46	Bright	60.000	142	49Del Cap	2.8500	8900.0	120	39004	No
74	GOM_TRA_1PNPDE20090815_221215_000000422081_00373_39004_2365.N1	15-AUG-2009 22:12:15	Bright	42.000	154	22Bet Aqr	2.8990	5700.0	84	39004	No
75	GOM_TRA_1PNPDE20090815_221418_000000492081_00373_39004_2366.N1	15-AUG-2009 22:14:18	Bright	48.500	162	34Alp Aqr	2.9440	5350.0	97	39004	No
76	GOM_TRA_1PNPDE20090815_221730_000000472081_00373_39004_2367.N1	15-AUG-2009 22:17:30	Bright	47.000	61	8Eps Peg	2.1000	3900.0	94	39004	No
77	GOM_TRA_1PNPDE20090815_223936_000000442081_00373_39004_2368.N1	15-AUG-2009 22:39:36	Bright	44.000	76	27Gam Cas	2.3000	30000.	88	39004	No
78	GOM_TRA_1PNPDE20090815_225208_000000502081_00373_39004_2369.N1	15-AUG-2009 22:52:08	Bright	50.000	6	13Alp Aur	0.080000	3400.0	100	39004	No
79	GOM_TRA_1PNPDE20090815_225502_000000422081_00373_39004_2370.N1	15-AUG-2009 22:55:02	Bright	41.500	107	37The Aur	2.6490	11000.	83	39004	No
80	GOM_TRA_1PNPDE20090815_225645_000000572081_00373_39004_2371.N1	15-AUG-2009 22:56:45	Twilight_stray	57.000	114	3lot Aur	2.6930	4600.0	114	39004	No
81	GOM_TRA_1PNPDE20090815_230029_000000462081_00373_39004_2372.N1	15-AUG-2009 23:00:29	Twilight_stray	46.000	176	23Zet Tau	3.0200	22000.	92	39004	No
82	GOM_TRA_1PNPDE20090815_230426_000000592081_00373_39004_2373.N1	15-AUG-2009 23:04:26	Dark	59.000	14	58Alp Ori	0.87000	3000.0	118	39004	No
83	GOM_TRA_1PNPDE20090815_230737_000000502081_00373_39004_2374.N1	15-AUG-2009 23:07:37	Dark	49.500	30	46Eps Ori	1.6940	30000.	99	39004	No
84	GOM_TRA_1PNPDE20090815_230902_000000442081_00373_39004_2375.N1	15-AUG-2009 23:09:02	Dark	44.000	125	44lot Ori	2.7700	30000.	88	39004	No
85	GOM_TRA_1PNPDE20090815_231036_000000282081_00373_39004_2376.N1	15-AUG-2009 23:10:36	Dark	27.500	7	19Bet Ori	0.10000	14000.	55	39004	No
86	GOM_TRA_1PNPDE20090815_231228_000000472081_00373_39004_2727.N1	15-AUG-2009 23:12:28	Dark	47.000	101	11Alp Lep	2.5820	7000.0	94	39004	No
87	GOM_TRA_1PNPDE20090815_232618_000000532081_00374_39005_2728.N1	15-AUG-2009 23:26:18	Dark	53.000	157	The1Eri	2.9060	9300.0	106	39005	No
88	GOM_TRA_1PNPDE20090815_233609_000000522081_00374_39005_2729.N1	15-AUG-2009 23:36:09	Straylight	52.000	84	Alp Phe	2.3970	4500.0	104	39005	No
89	GOM_TRA_1PNPDE20090815_234342_000000532081_00374_39005_2730.N1	15-AUG-2009 23:43:42	Twilight_stray	53.000	18	24Alp PsA	1.1660	9700.0	106	39005	No
90	GOM_TRA_1PNPDE20090815_234922_000000602081_00374_39005_2731.N1	15-AUG-2009 23:49:22	Bright	60.000	142	49Del Cap	2.8500	8900.0	120	39005	No
91	GOM_TRA_1PNPDE20090815_235251_000000502081_00374_39005_2732.N1	15-AUG-2009 23:52:51	Bright	50.000	154	22Bet Aqr	2.8990	5700.0	100	39005	No
92	GOM_TRA_1PNPDE20090815_235454_000000482081_00374_39005_2733.N1	15-AUG-2009 23:54:54	Bright	48.000	162	34Alp Aqr	2.9440	5350.0	96	39005	No
93	GOM_TRA_1PNPDE20090815_235805_000000472081_00374_39005_2734.N1	15-AUG-2009 23:58:05	Bright	46.500	61	8Eps Peg	2.1000	3900.0	93	39005	No

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



4. Overview of dark signal processing per product

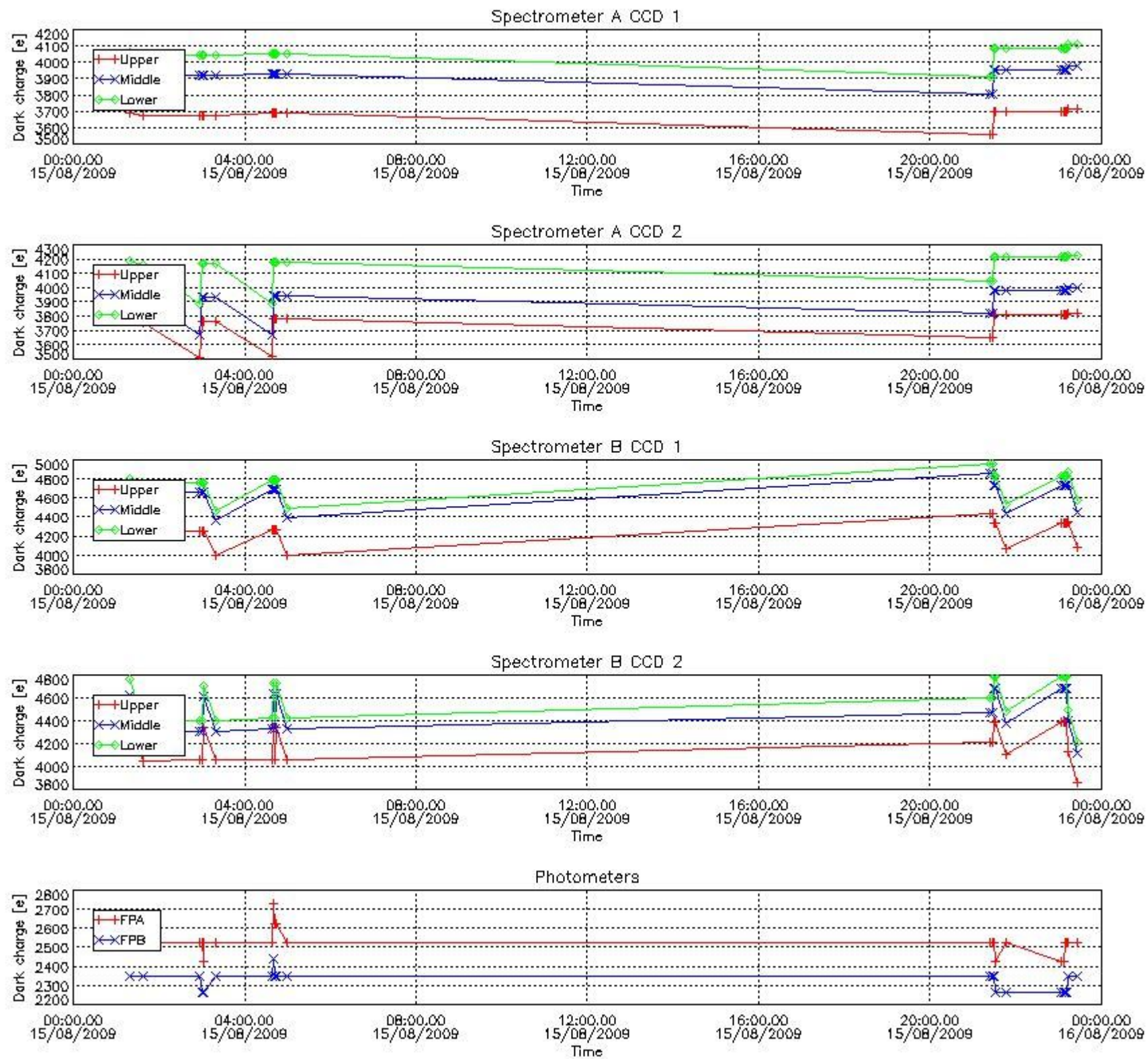
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20090815_201456_000000662081_00372_39003_2203.N1	DC map with no T dep.
GOM_TRA_1PNPDE20090815_202229_000000542081_00372_39003_2204.N1	DC map used
GOM_TRA_1PNPDE20090815_202810_000000602081_00372_39003_2205.N1	DC map used
GOM_TRA_1PNPDE20090815_203139_000000422081_00372_39003_2206.N1	DC map used
GOM_TRA_1PNPDE20090815_203343_000000472081_00372_39003_2207.N1	DC map used
GOM_TRA_1PNPDE20090815_203654_000000462081_00372_39003_2208.N1	DC map used
GOM_TRA_1PNPDE20090815_205901_000000472081_00372_39003_2209.N1	DC map used
GOM_TRA_1PNPDE20090815_211133_000000622081_00372_39003_2210.N1	DC map used
GOM_TRA_1PNPDE20090815_211426_000000412081_00372_39003_2211.N1	DC map used
GOM_TRA_1PNPDE20090815_211953_000000472081_00372_39003_2212.N1	DC map used
GOM_TRA_1PNPDE20090815_212349_000000492081_00372_39003_2213.N1	DC map used
GOM_TRA_1PNPDE20090815_212700_000000502081_00372_39003_2214.N1	DC map used
GOM_TRA_1PNPDE20090815_212825_000000462081_00372_39003_2215.N1	DC map used

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



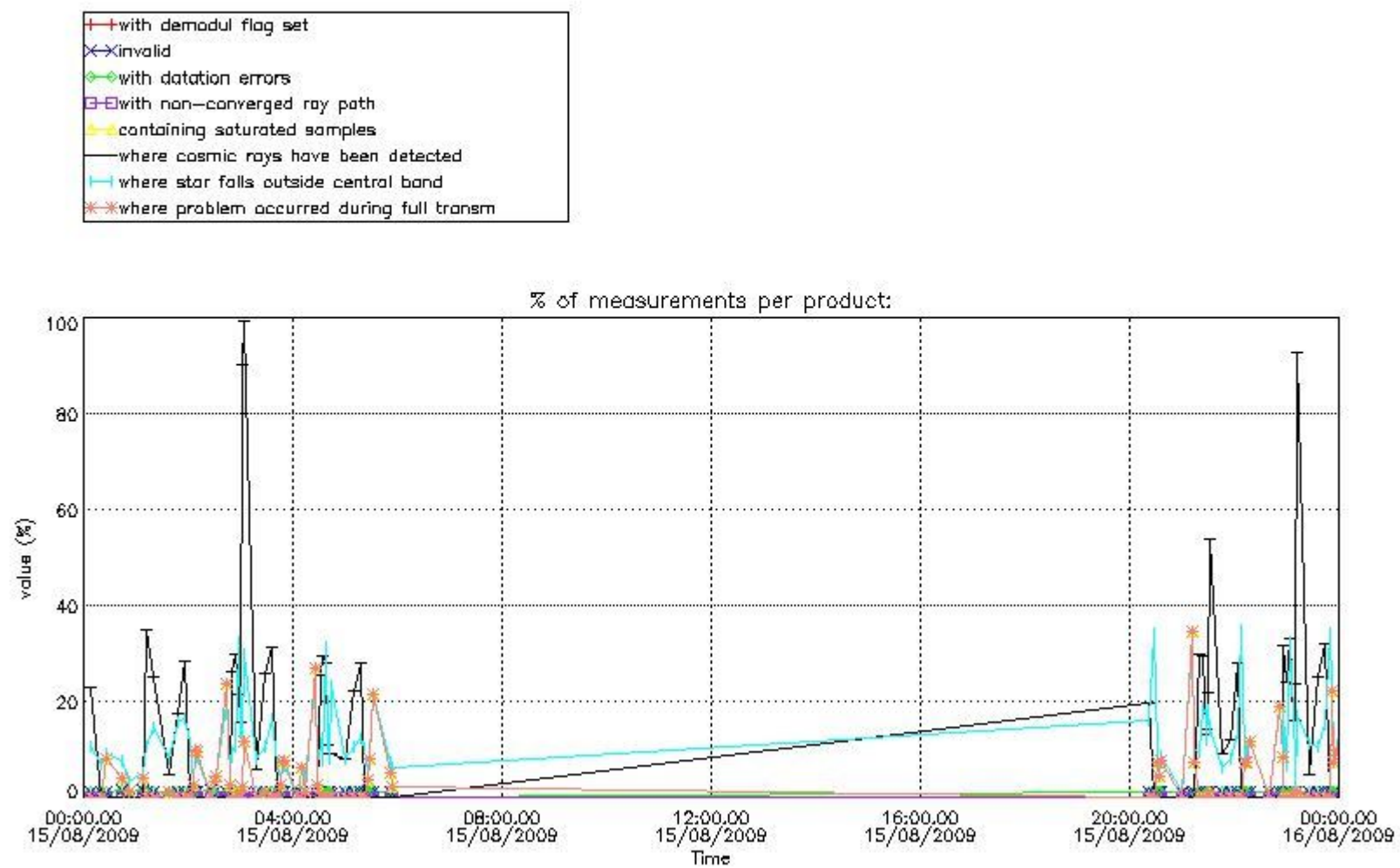
5. Demodulation flag and quality information monitoring

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.

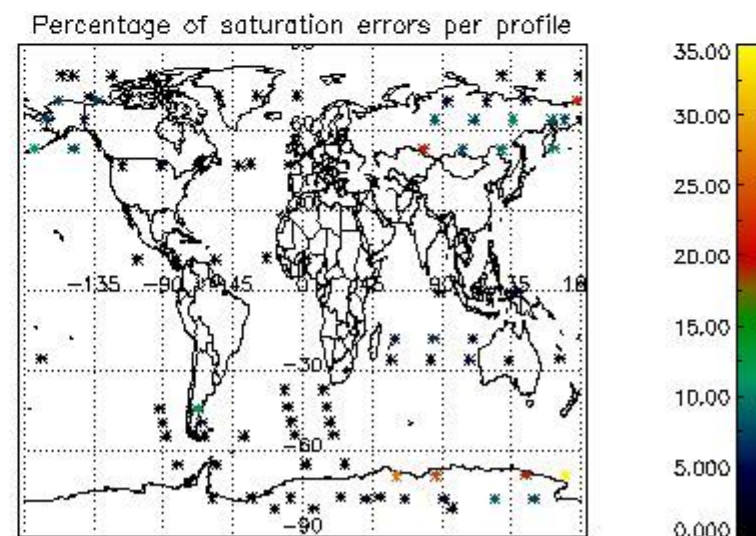
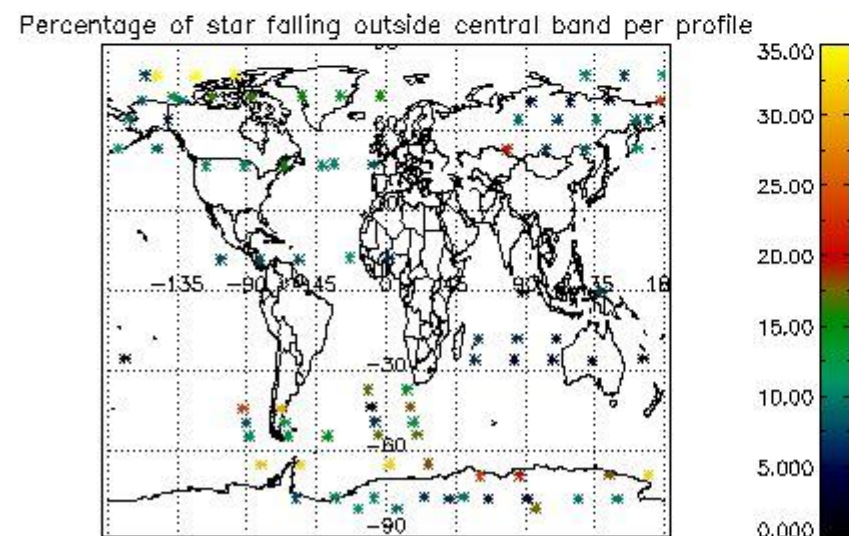
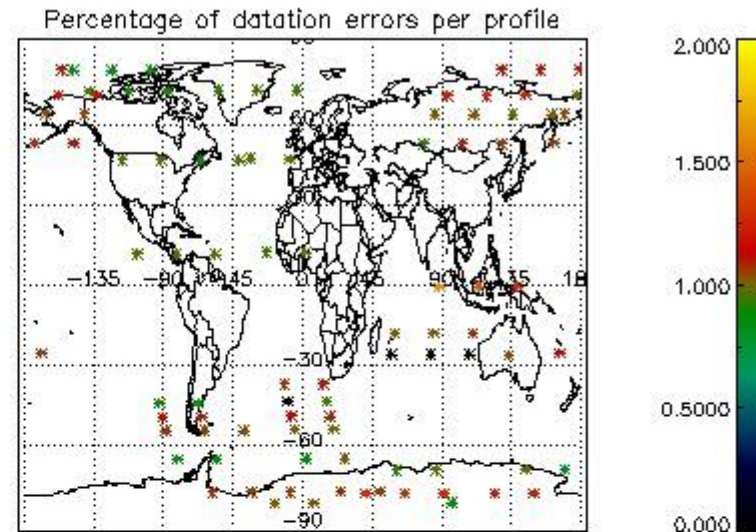
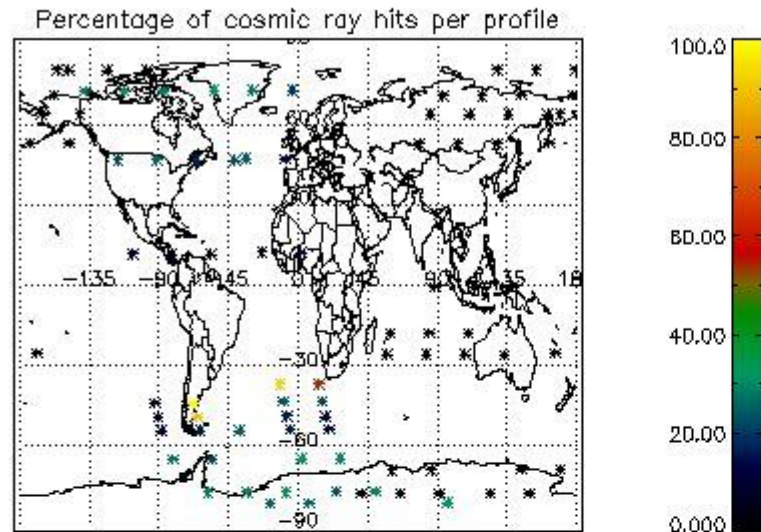
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	31.8681 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



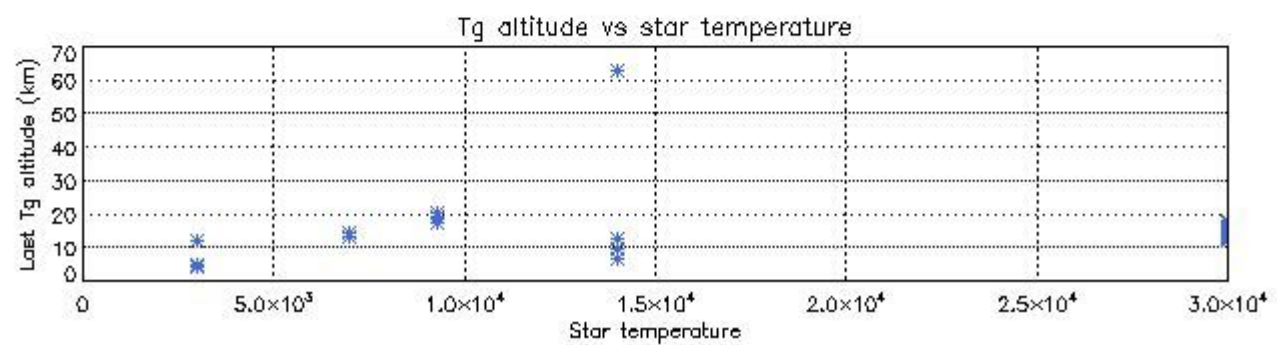
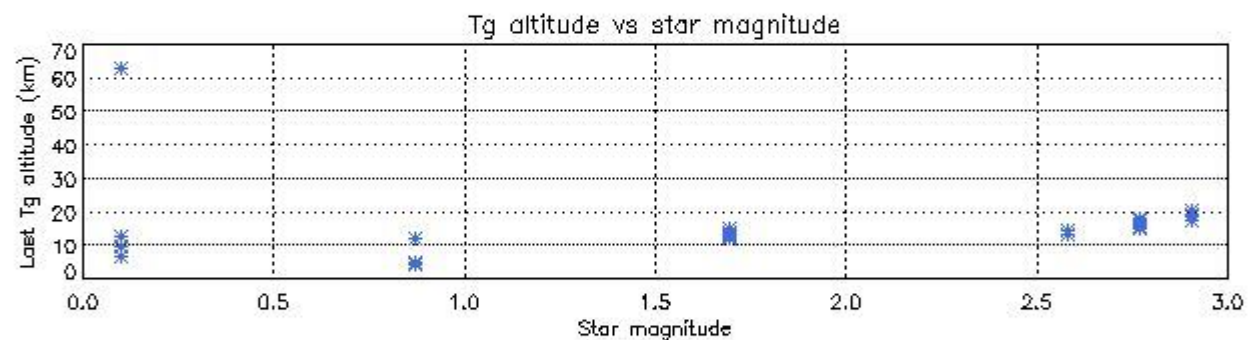
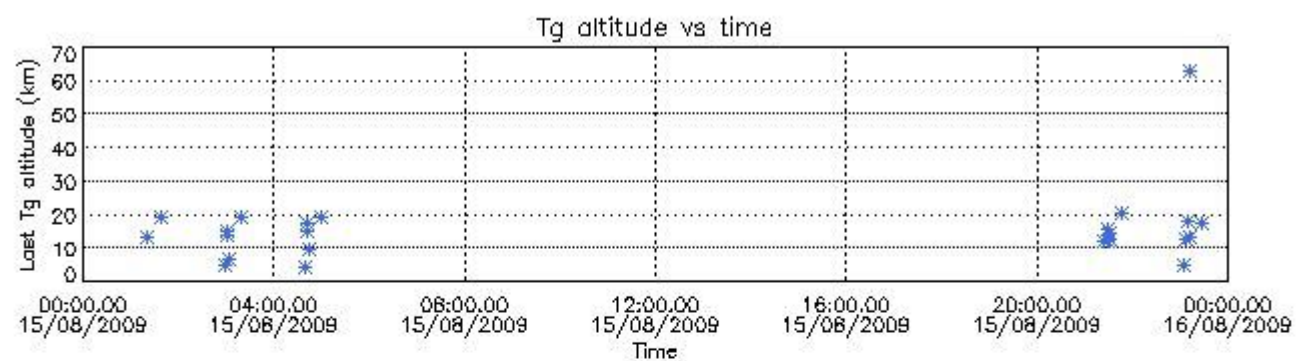
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.508	18.101	NaN
St. deviation:	11.136	5.8562	NaN
Maximum:	62.894	28.718	NaN
Minimum:	4.2495	3.8463	NaN
Number of data:	24.000	47.000	NaN

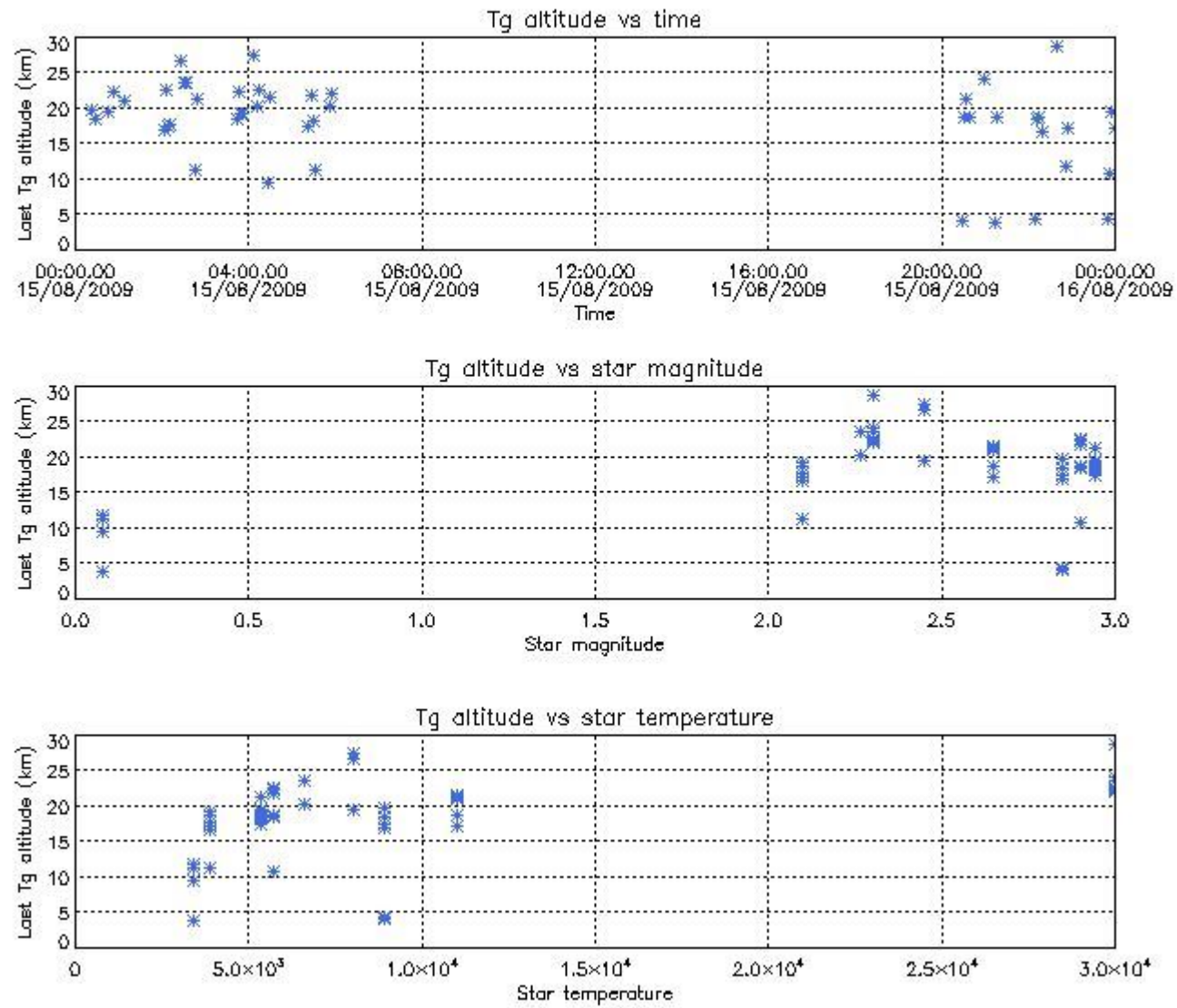
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

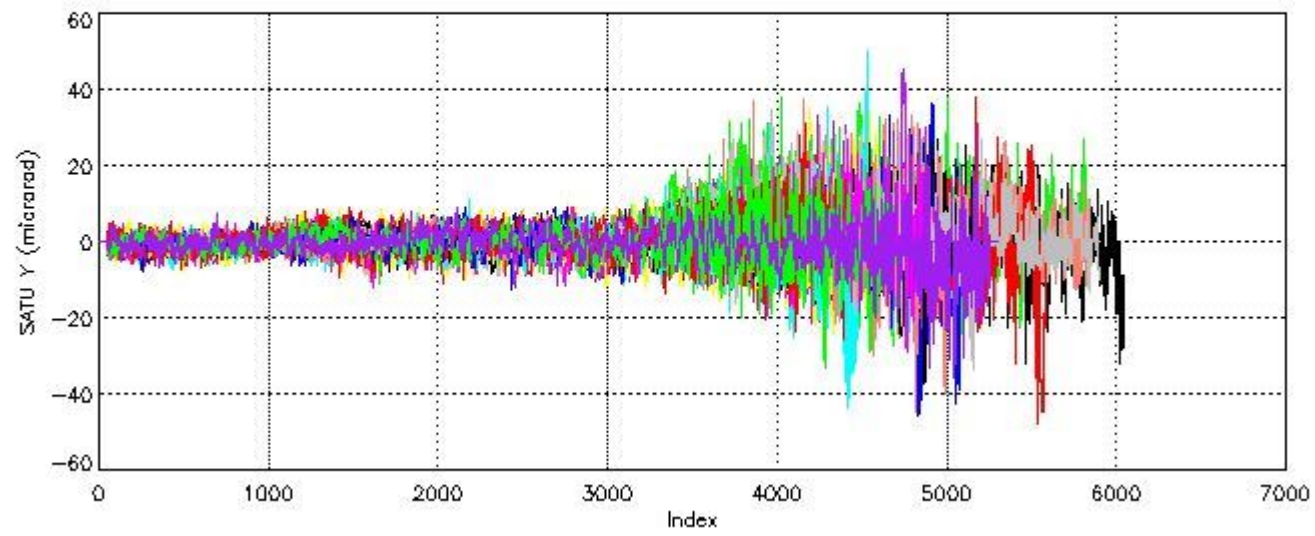
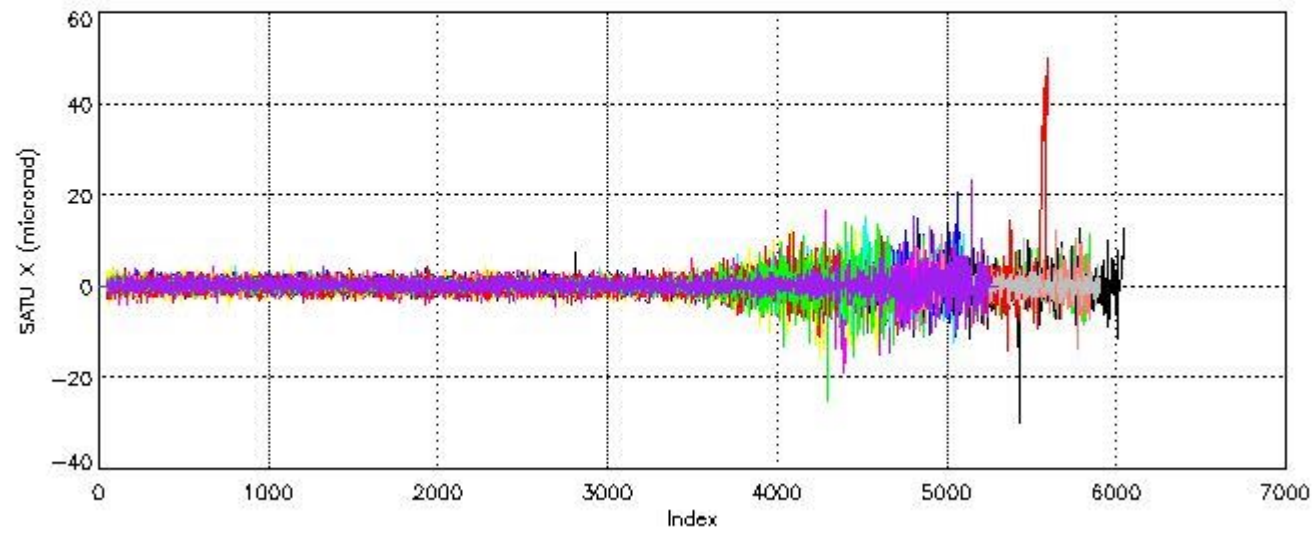


7. Star Acquisition and Tracking Unit (SATU)

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:	0.18308	-0.60088	0.29229	-0.63087
St. deviation:	0.60574	1.4378	0.77705	1.6996
Maximum:	4.5000	7.3000	4.3000	7.7000
Minimum:	-4.2000	-7.8000	-5.8000	-10.000

Number of data:	25600.	25600.	47000.	47000.
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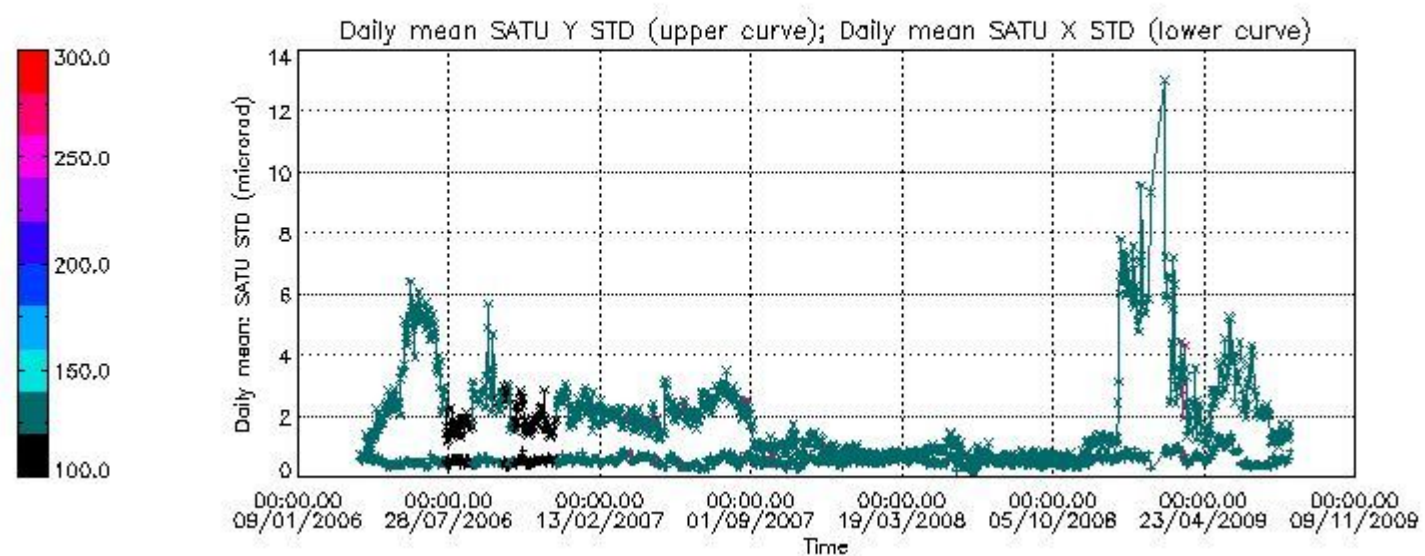
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

The long term trend of the SATU 'X' and 'Y' standard deviations should be constant during the whole mission.

The colorbar represents the start tangent altitude (km) of the occultations.

Upper curve: STD of SATU Y axis

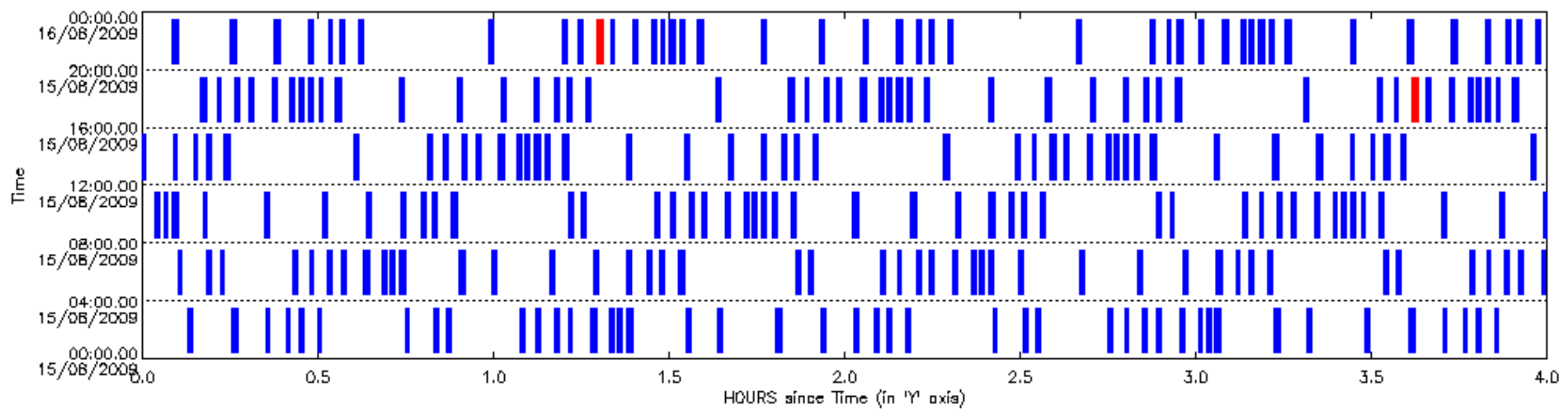
Lower curve: STD of SATU X axis

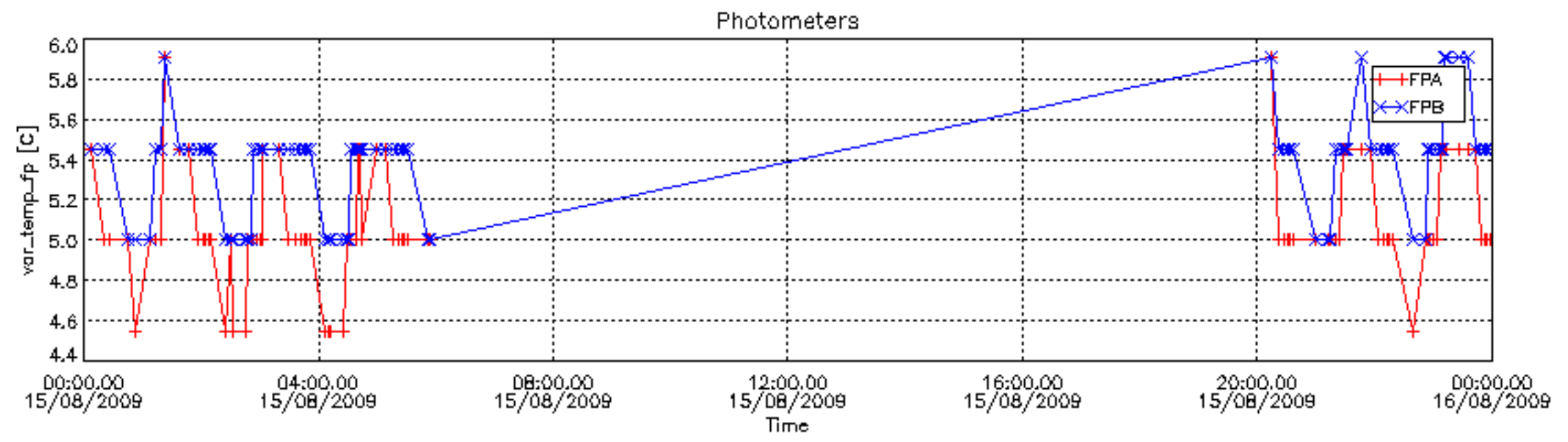
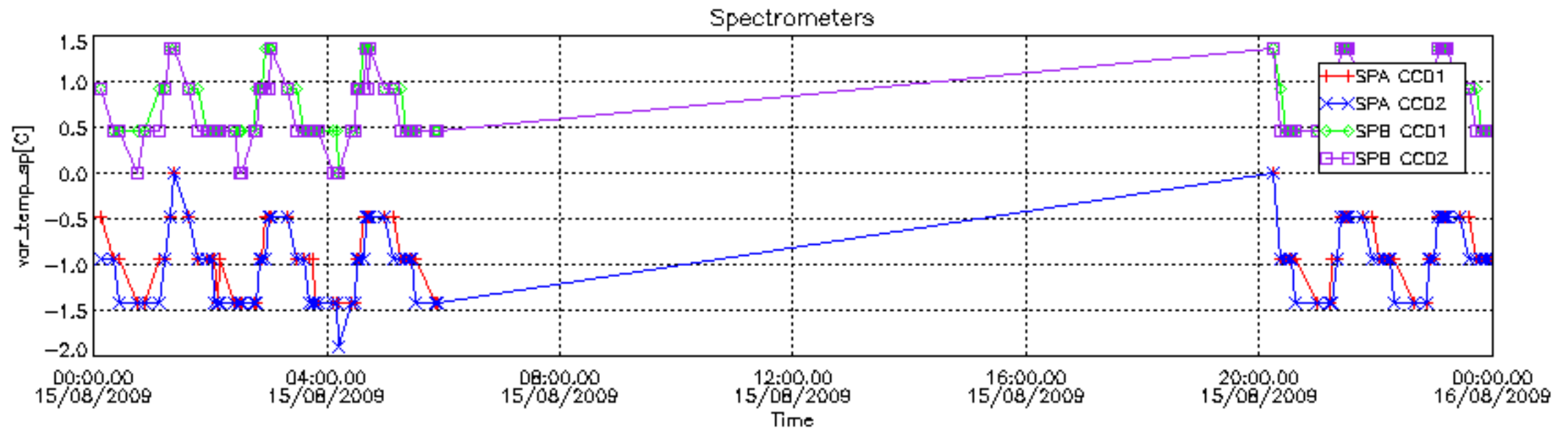


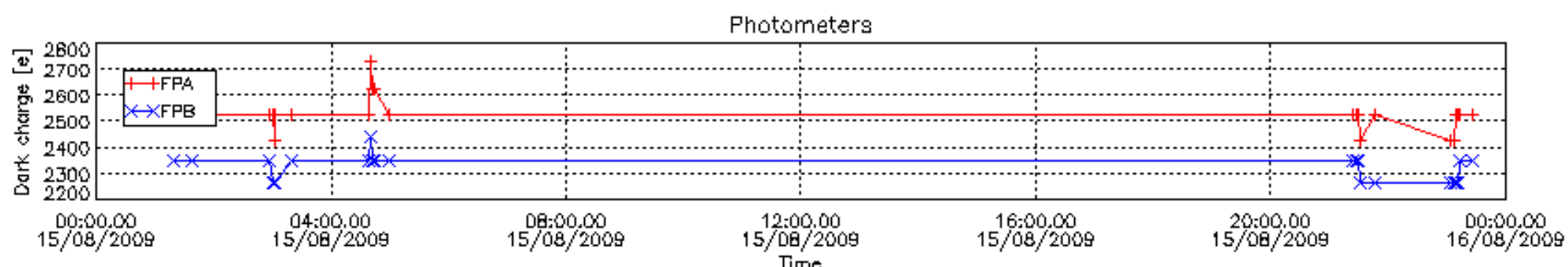
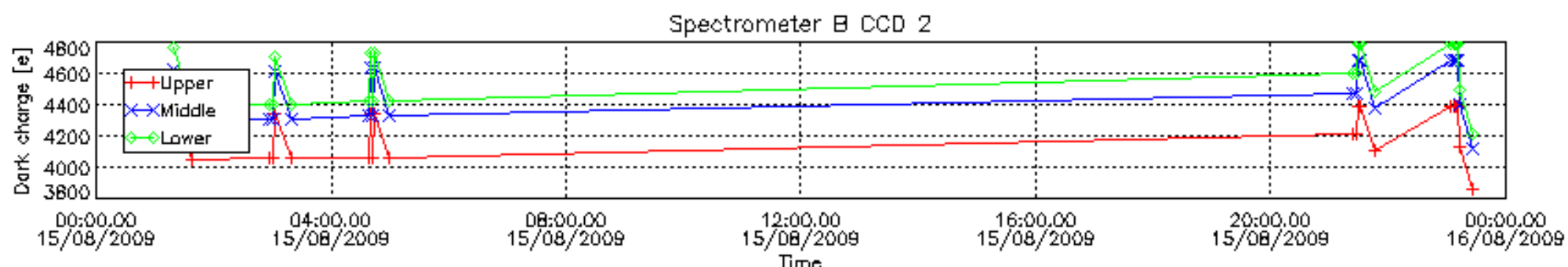
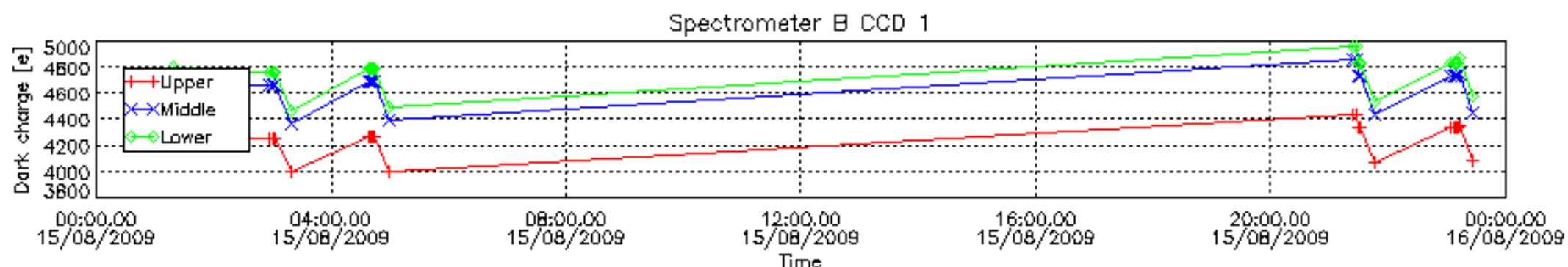
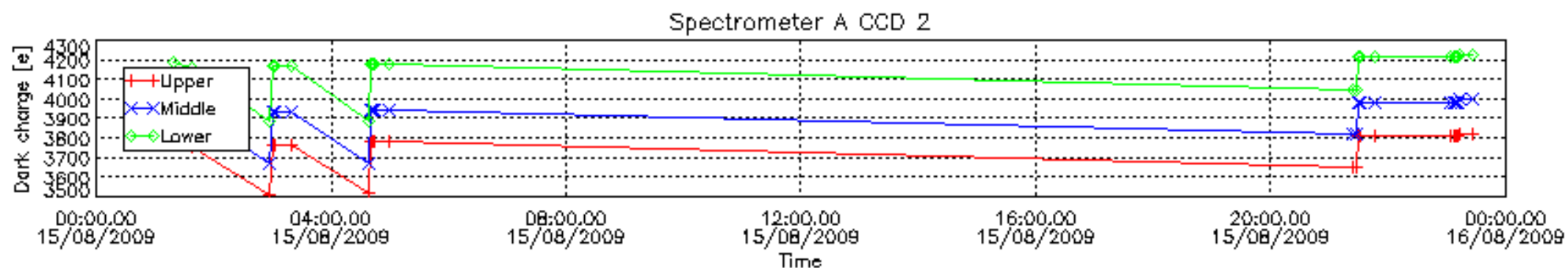
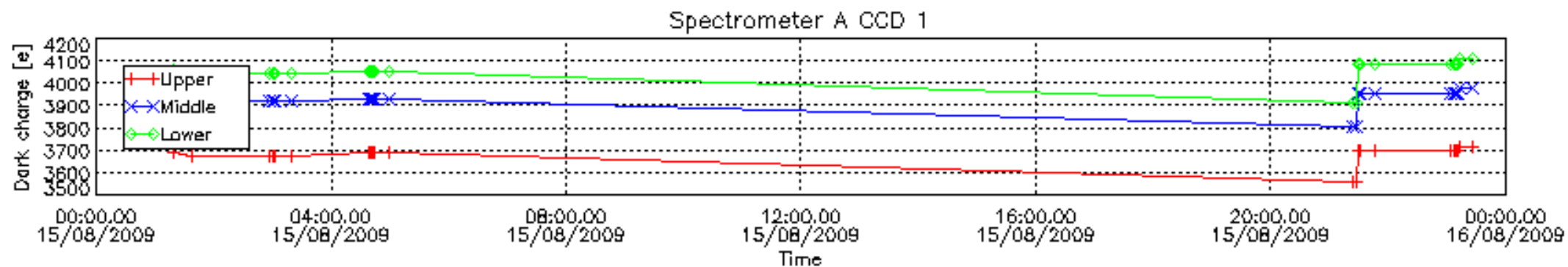
8. Auxiliary Data Files used for the production reported in section 2.4

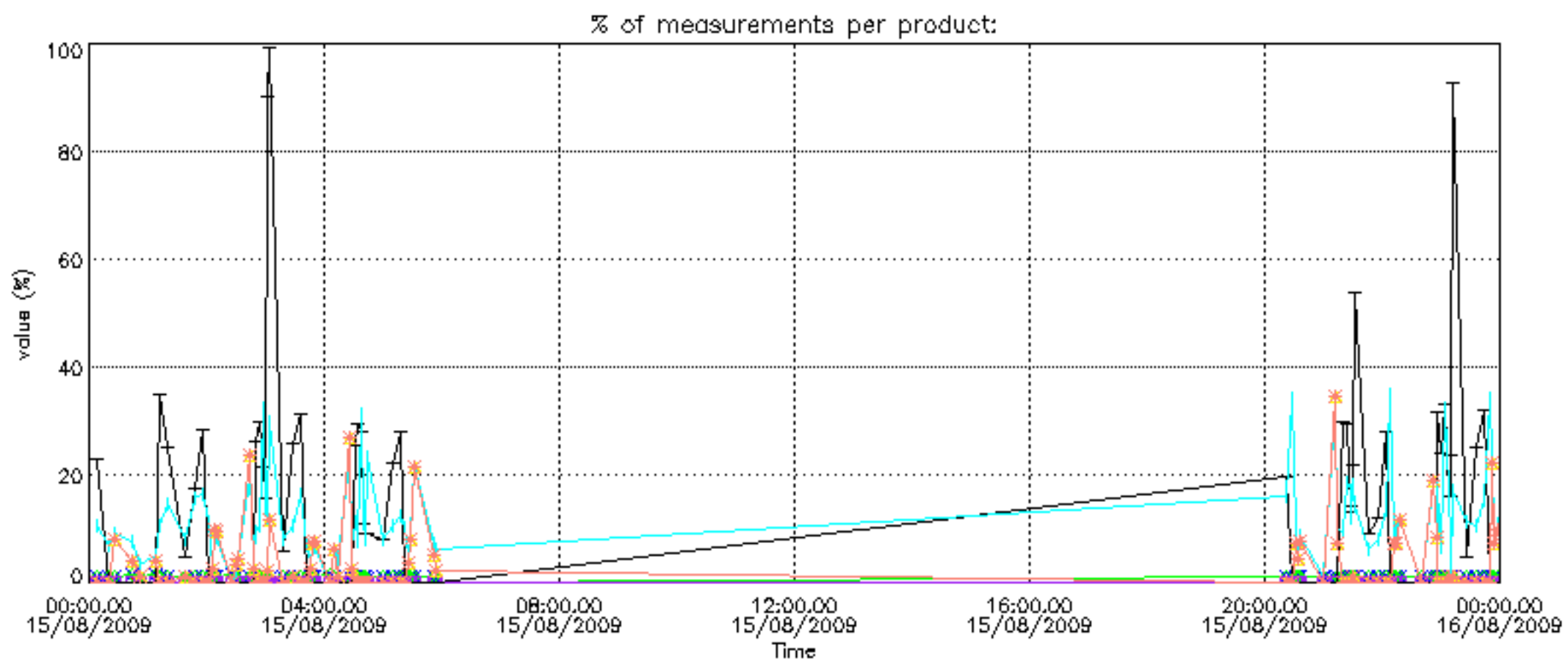
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	15-AUG-2009 00:07:34
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20090811_154222_20090809_000000_20100101_000000	1	15-AUG-2009 00:07:34
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	15-AUG-2009 00:07:34
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	15-AUG-2009 00:07:34
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	15-AUG-2009 00:07:34
ECMWF_FILE	AUX_ECF_AXNECM20090814_064112_20090814_210000_20090815_090000	1	15-AUG-2009 00:07:34
ECMWF_FILE	AUX_ECF_AXNECM20090815_112114_20090815_150000_20090816_030000	55	15-AUG-2009 20:14:56
ECMWF_FILE	AUX_ECF_AXNECM20090815_112114_20090815_210000_20090816_090000	68	15-AUG-2009 21:29:59
OPTIONAL_ECMWF_FILE	MISSING	1	15-AUG-2009 00:07:34
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090814_215705_000057382081_00358_38989_8557.N1	1	15-AUG-2009 00:07:34
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090814_233802_000057382081_00359_38990_8558.N1	9	15-AUG-2009 01:22:39
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090815_011859_000044632081_00360_38991_8559.N1	20	15-AUG-2009 02:44:58
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090815_023840_000054192081_00361_38992_8560.N1	38	15-AUG-2009 04:25:34
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090815_201041_000041442081_00372_39003_8562.N1	55	15-AUG-2009 20:14:56
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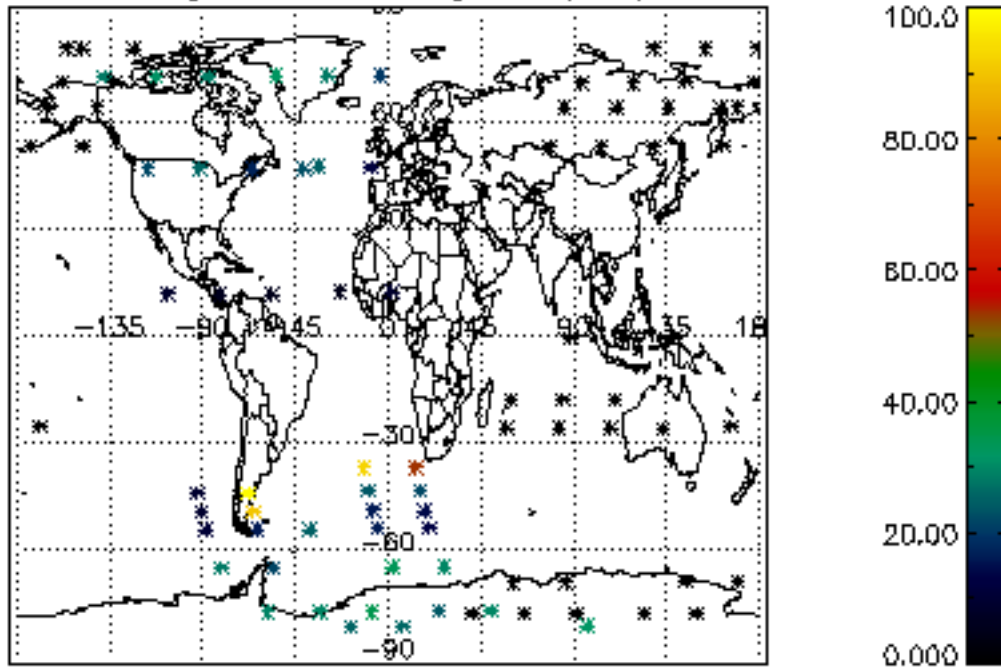




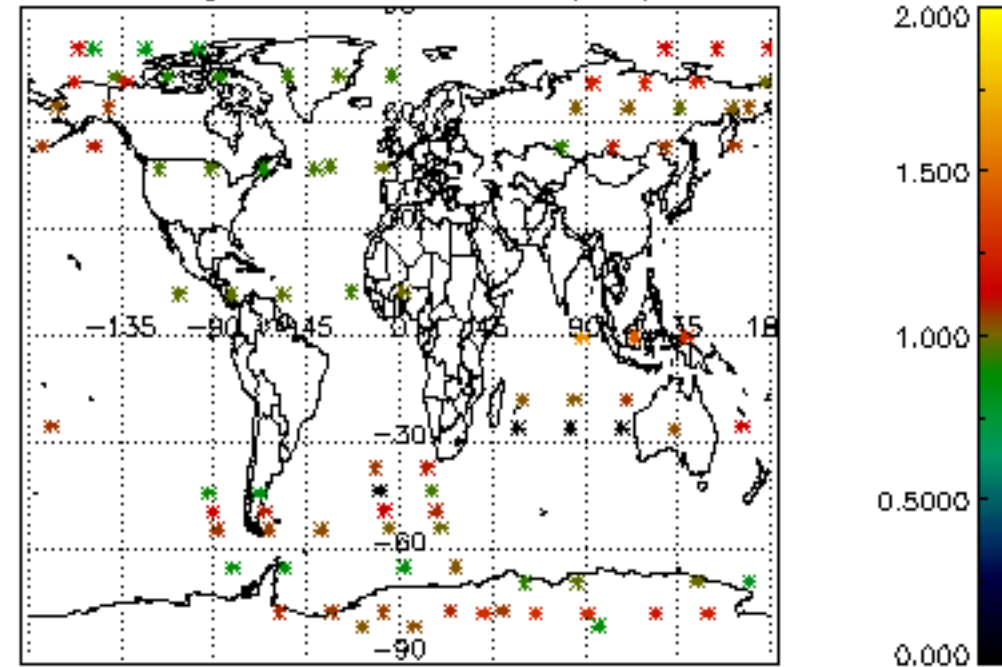




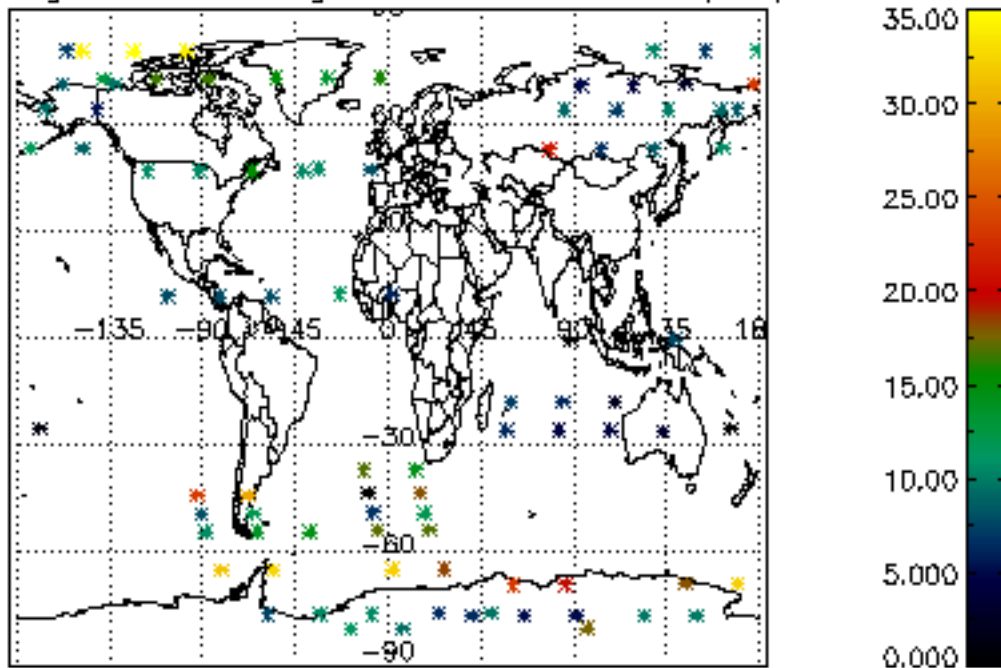
Percentage of cosmic ray hits per profile



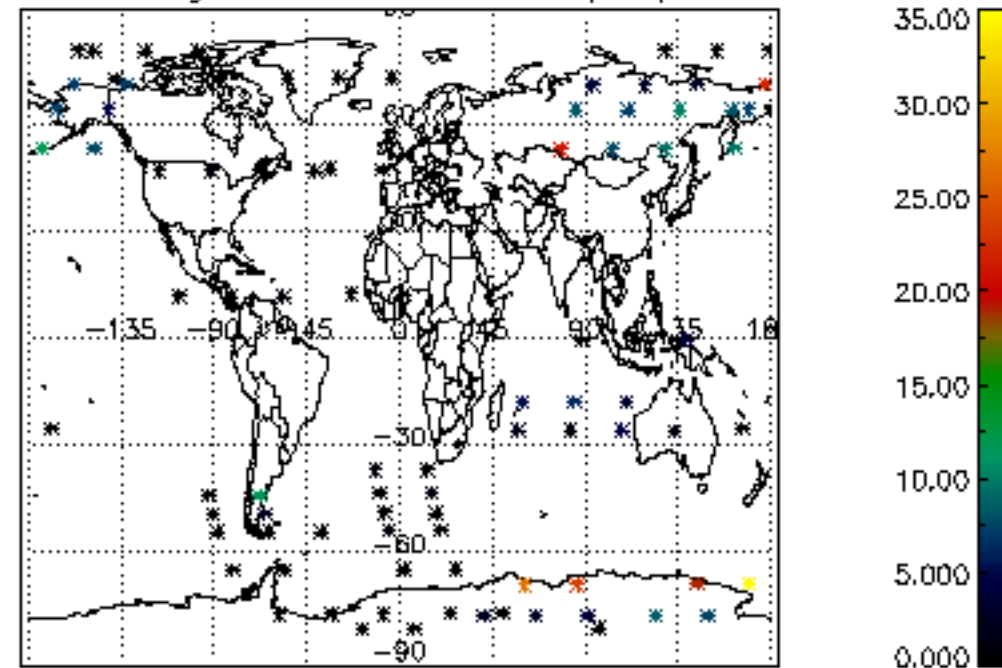
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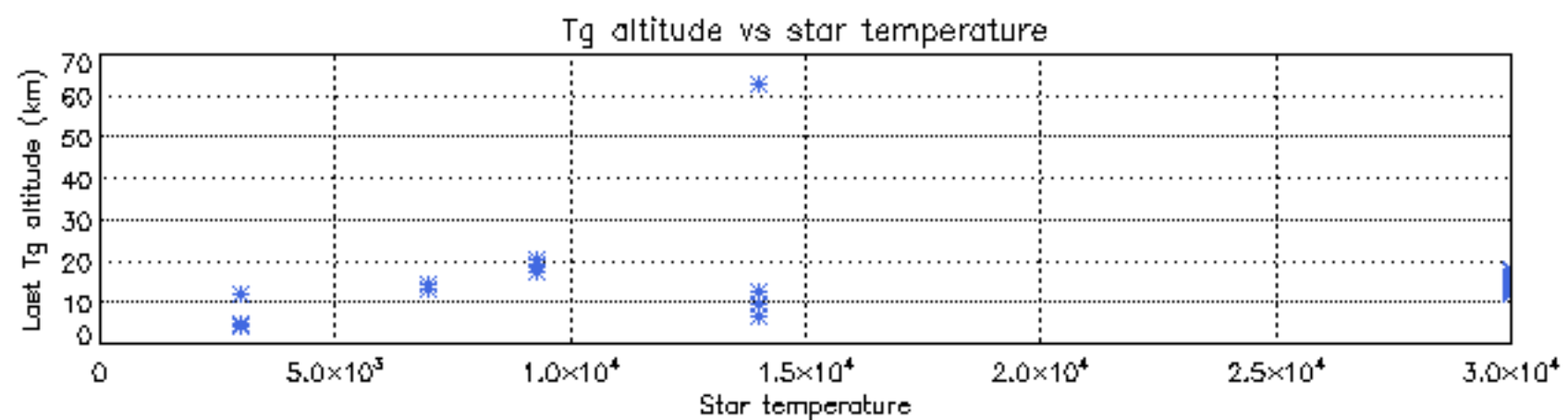
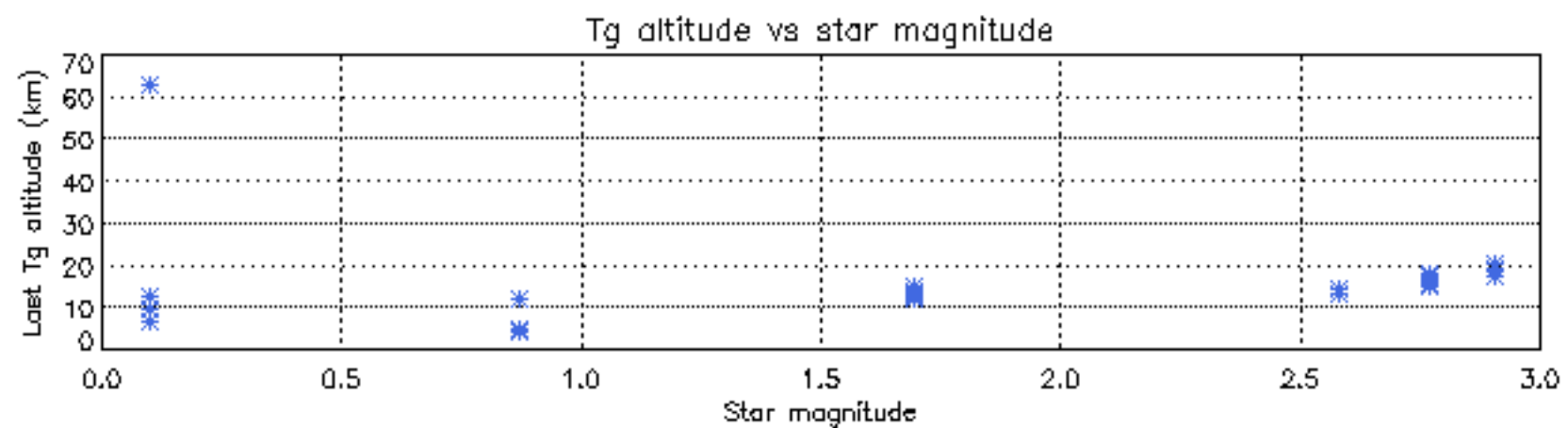
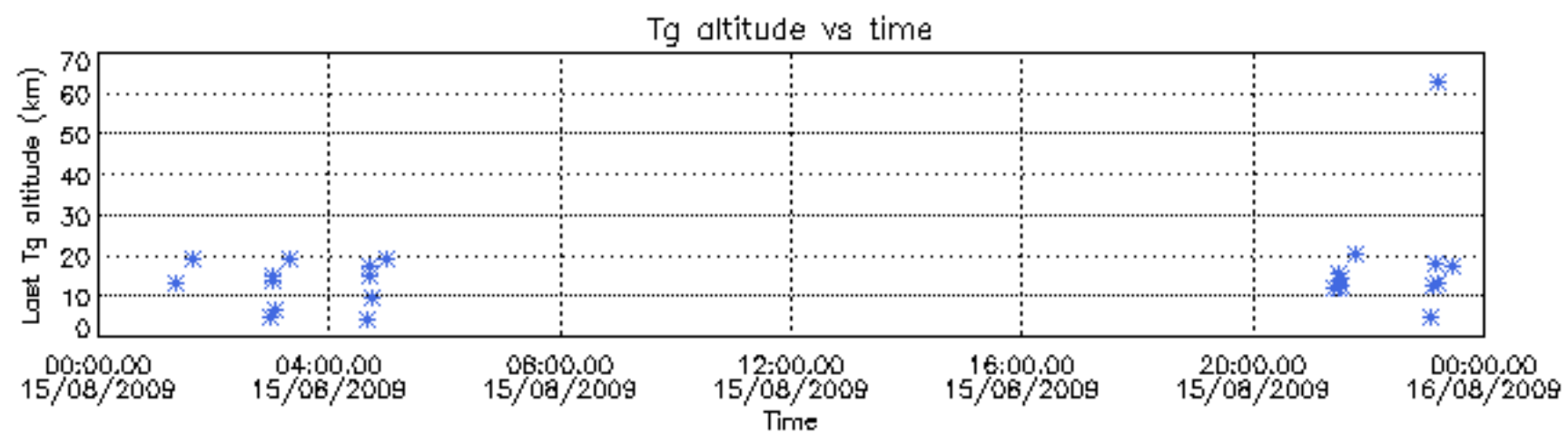
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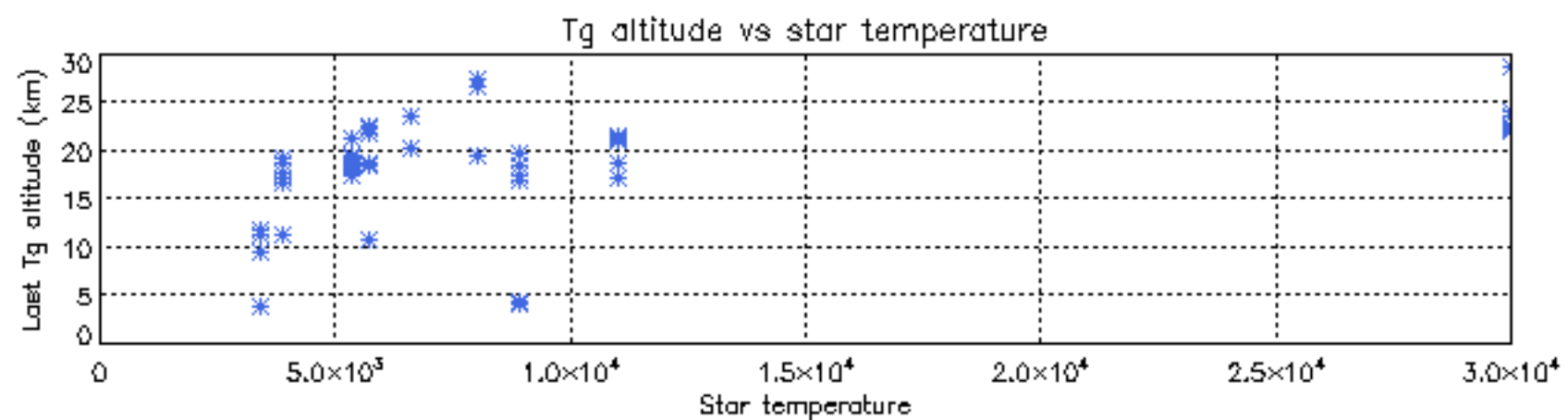
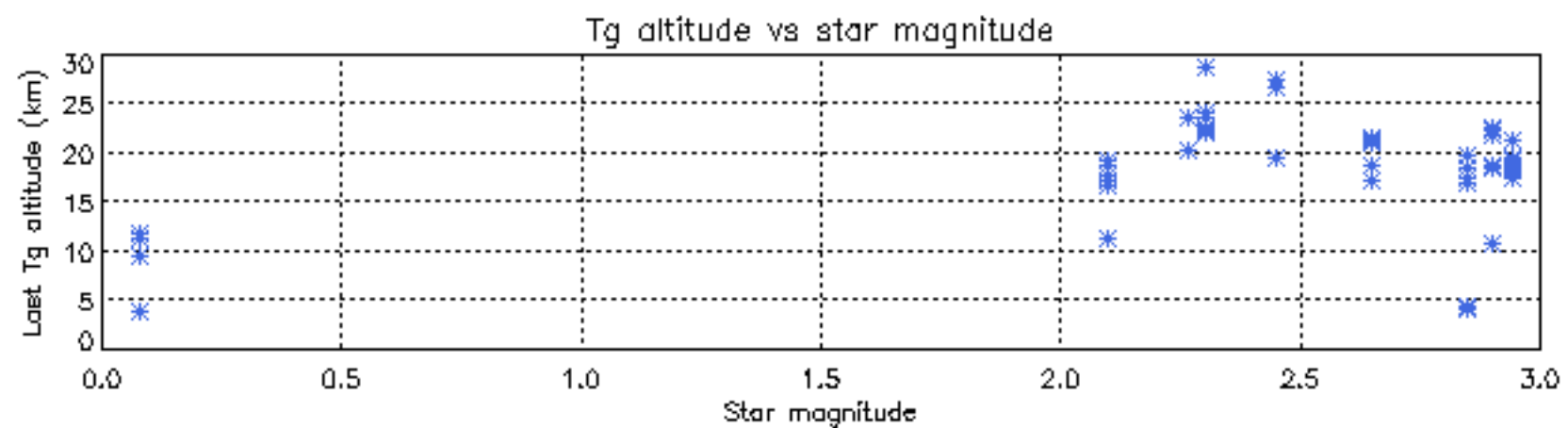
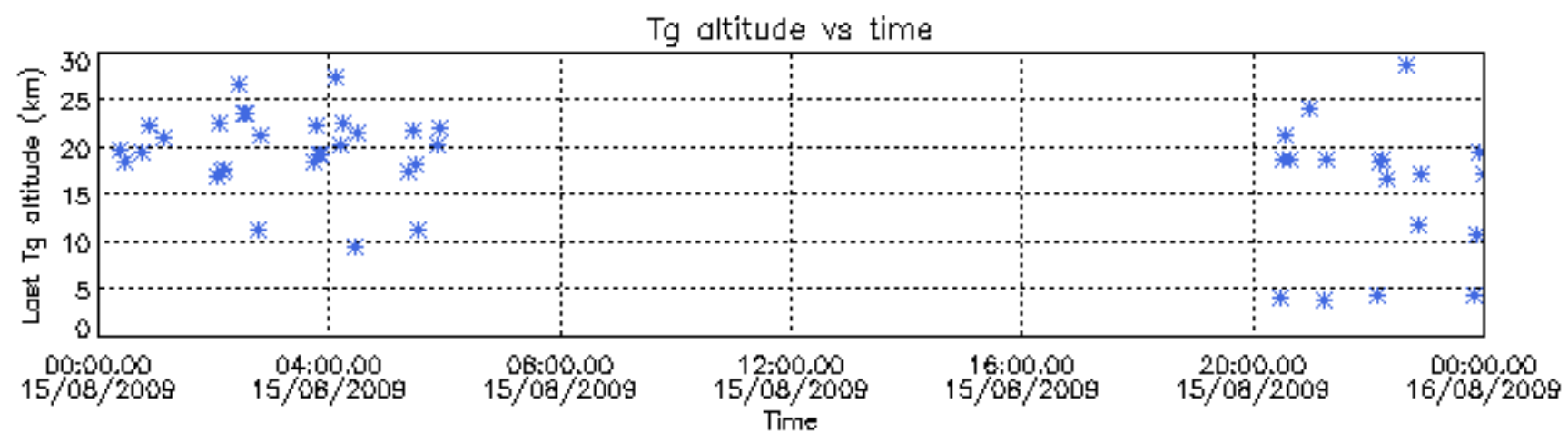
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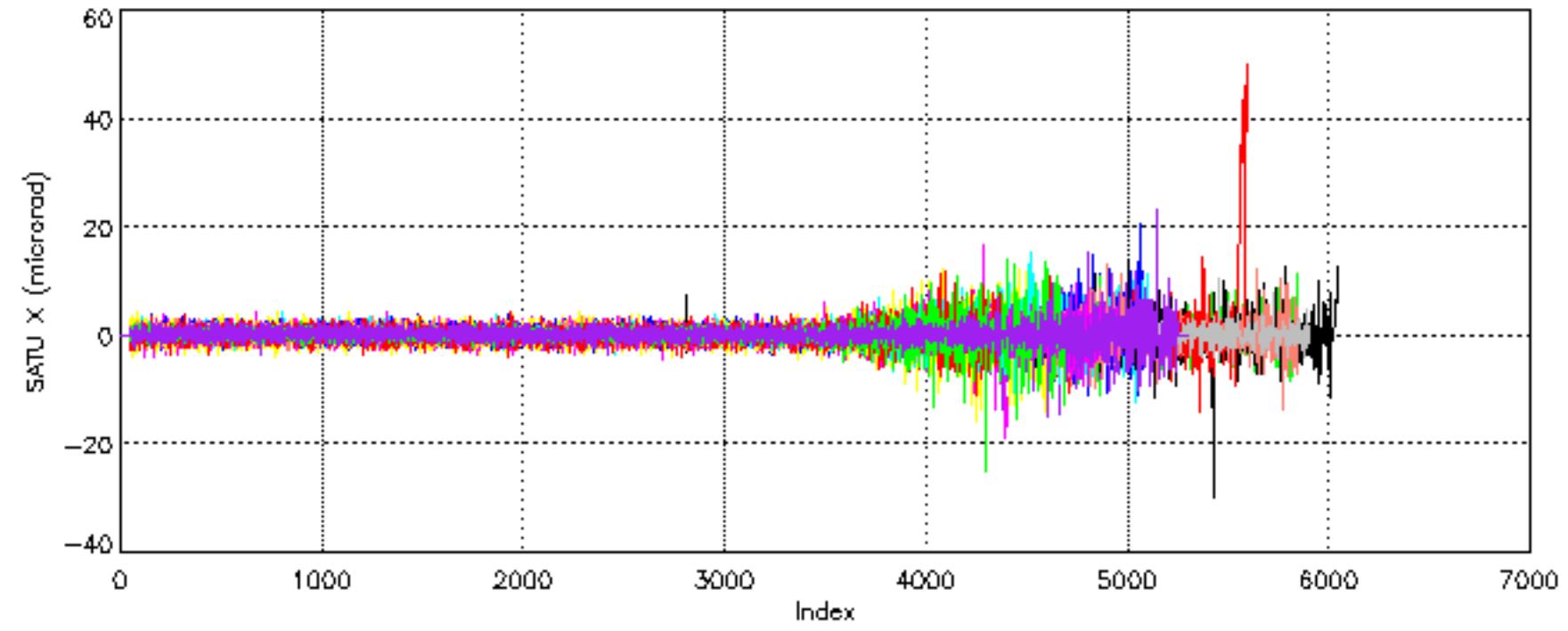


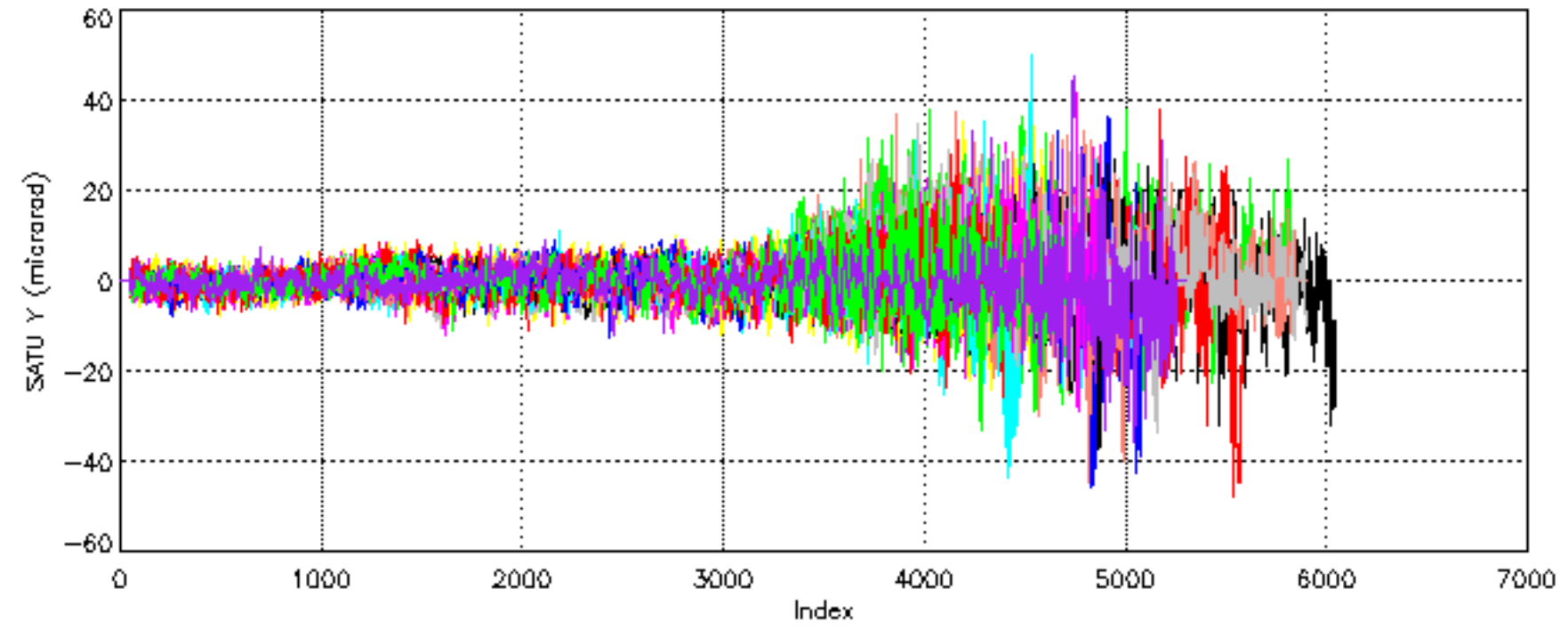
Tangent altitude at which the star is lost

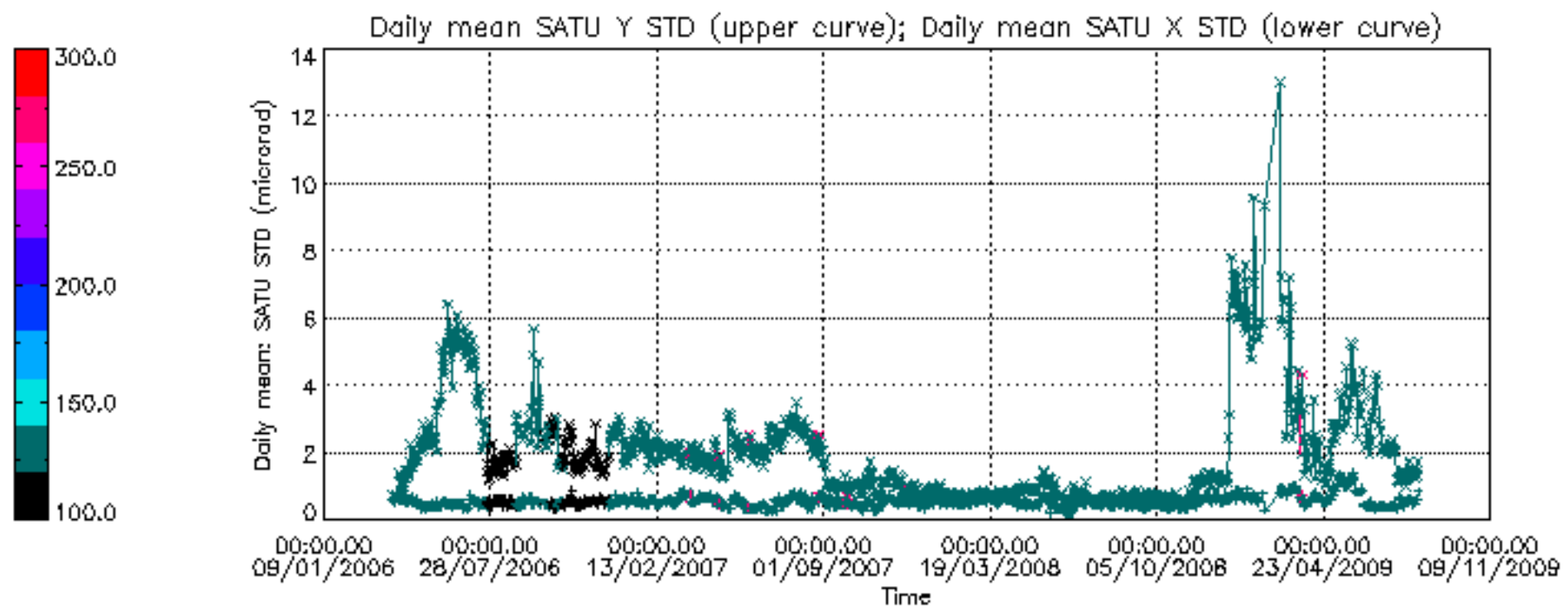


Tangent altitude at which the star is lost









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 3; 79.4; 08-AUG-2009 01:56:30; Dark ; 48.5; 157; The1Eri ; 2.91; 9300;occ; 97; 0;38892
 4; 696.4; 08-AUG-2009 02:06:47; Dark ; 59.0; 84; Alp Phe ; 2.40; 4500;occ; 118; 0;38892
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 8; 1807.5; 08-AUG-2009 02:25:18; Bright; 45.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 91; 0;38892
 9; 2162.7; 08-AUG-2009 02:31:13; Bright; 52.5; 61; 8Eps Peg ; 2.10; 3900;occ; 105; 0;38892
 10; 2534.7; 08-AUG-2009 02:37:25; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38892
 11; 2618.5; 08-AUG-2009 02:38:49; Bright; 37.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 75; 0;38892
 12; 2725.5; 08-AUG-2009 02:40:36; Bright; 37.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 74; 0;38892
 13; 3051.6; 08-AUG-2009 02:46:02; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;38892
 14; 3397.0; 08-AUG-2009 02:51:48; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38892
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 3;-1835.8; 08-AUG-2009 03:05:11; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;38892
 4;-1726.8; 08-AUG-2009 03:07:00; Bright; 54.0; 149; 45Eps Per ; 2.89; 30000;occ; 108; 0;38892
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 8;-1086.9; 08-AUG-2009 03:17:40; Dark ; 41.5; 27; 24Gam Ori ; 1.64; 26000;occ; 83; 0;38892
 9; -811.1; 08-AUG-2009 03:22:16; Dark ; 53.5; 7; 19Bet Ori ; 0.10; 14000;occ; 107; 0;38892
 10; -225.0; 08-AUG-2009 03:32:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38892
 11; 80.7; 08-AUG-2009 03:37:07; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38893
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 13; 908.4; 08-AUG-2009 03:50:55; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;38893
 14; 1197.0; 08-AUG-2009 03:55:44; Dark ; 58.5; 18; 24Alp PsA ; 1.17; 9700;occ; 117; 0;38893
 15; 1580.1; 08-AUG-2009 04:02:07; Bright; 45.0; 142; 49Del Cap ; 2.85; 8900;occ; 90; 0;38893
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 18; 2534.5; 08-AUG-2009 04:18:01; Bright; 41.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 82; 0;38893
 19; 2618.5; 08-AUG-2009 04:19:25; Bright; 38.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 77; 0;38893
 20; 2725.3; 08-AUG-2009 04:21:12; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38893
 21; 3051.5; 08-AUG-2009 04:26:38; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38893
 22; 3396.4; 08-AUG-2009 04:32:23; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;38893
 23; 3524.0; 08-AUG-2009 04:34:31; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;38893

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 4;-1727.0; 08-AUG-2009 04:47:36; Bright; 53.5; 149; 45Eps Per ; 2.89; 30000;occ; 107; 0;38893
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 7;-1200.6; 08-AUG-2009 04:56:22; Dark ; 71.0; 13; 87Alp Tau ; 0.87; 3800;occ; 142; 0;38893
 8;-1086.6; 08-AUG-2009 04:58:16; Dark ; 47.0; 27; 24Gam Ori ; 1.64; 26000;occ; 94; 0;38893
 9; -810.6; 08-AUG-2009 05:02:52; Dark ; 49.5; 7; 19Bet Ori ; 0.10; 14000;occ; 99; 0;38893
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 11; 81.7; 08-AUG-2009 05:17:44; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;38894
 12; 698.3; 08-AUG-2009 05:28:01; Dark ; 61.0; 84; Alp Phe ; 2.40; 4500;occ; 122; 0;38894
 13; 908.9; 08-AUG-2009 05:31:32; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;38894
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 15; 1580.1; 08-AUG-2009 05:42:43; Bright; 66.0; 142; 49Del Cap ; 2.85; 8900;occ; 132; 0;38894
 16; 1807.6; 08-AUG-2009 05:46:30; Bright; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;38894
 17; 2161.7; 08-AUG-2009 05:52:24; Bright; 69.0; 61; 8Eps Peg ; 2.10; 3900;occ; 138; 0;38894
 18; 2534.0; 08-AUG-2009 05:58:37; Bright; 42.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 84; 0;38894
 19; 2618.0; 08-AUG-2009 06:00:01; Bright; 36.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 73; 0;38894
 20; 2724.8; 08-AUG-2009 06:01:48; Bright; 41.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 82; 0;38894
 21; 3051.0; 08-AUG-2009 06:07:14; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38894
 22; 3395.7; 08-AUG-2009 06:12:58; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;38894
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 3; 1806.4; 08-AUG-2009 20:51:53; Bright; 46.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 92; 0;38903

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5; 2531.1; 08-AUG-2009 21:03:57; Bright; 38.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 77; 0;38903
6; 2721.9; 08-AUG-2009 21:07:08; Bright; 40.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 80; 0;38903
7; 3047.8; 08-AUG-2009 21:12:34; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;38903
8; 3388.1; 08-AUG-2009 21:18:14; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38903
9; 3516.7; 08-AUG-2009 21:20:23; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;38903
10; 3932.3; 08-AUG-2009 21:27:18; Bright; 74.0; 160; 23Gam Per ; 2.93; 4700;occ; 148; 0;38903
11; 4041.9; 08-AUG-2009 21:29:08; Bright; 56.5; 35; 33Alp Per ; 1.79; 6250;occ; 113; 0;38903
12; 4199.8; 08-AUG-2009 21:31:46; Bright; 46.0; 6; 13Alp Aur ; 0.08; 3400;occ; 92; 0;38903
13; 4308.0; 08-AUG-2009 21:33:34; Bright; 57.5; 149; 45Eps Per ; 2.89; 30000;occ; 115; 0;38903
14; 4533.8; 08-AUG-2009 21:37:20; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38903
15; 4665.7; 08-AUG-2009 21:39:32; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38903
16; 4840.3; 08-AUG-2009 21:42:26; Dark ; 72.0; 13; 87Alp Tau ; 0.87; 3800;occ; 144; 0;38903
17; 4953.8; 08-AUG-2009 21:44:20; Dark ; 46.0; 27; 24Gam Ori ; 1.64; 26000;occ; 92; 0;38903
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5; 707.9; 08-AUG-2009 22:14:10; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;38904
6; 914.1; 08-AUG-2009 22:17:36; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;38904
7; 1202.9; 08-AUG-2009 22:22:25; Dark ; 57.0; 18; 24Alp PsA ; 1.17; 9700;occ; 114; 0;38904
8; 1580.9; 08-AUG-2009 22:28:43; Bright; 47.0; 142; 49Del Cap ; 2.85; 8900;occ; 94; 0;38904
9; 1806.3; 08-AUG-2009 22:32:28; Bright; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;38904
10; 2156.4; 08-AUG-2009 22:38:18; Bright; 52.0; 61; 8Eps Peg ; 2.10; 3900;occ; 104; 0;38904
11; 2530.5; 08-AUG-2009 22:44:33; Bright; 40.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 80; 0;38904
12; 2721.6; 08-AUG-2009 22:47:44; Bright; 57.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 114; 0;38904
13; 3047.5; 08-AUG-2009 22:53:10; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38904
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17; 4041.5; 08-AUG-2009 23:09:44; Bright; 57.0; 35; 33Alp Per ; 1.79; 6250;occ; 114; 0;38904
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22; 4840.9; 08-AUG-2009 23:23:03; Dark ; 62.5; 13; 87Alp Tau ; 0.87; 3800;occ; 125; 0;38904
23; 4954.2; 08-AUG-2009 23:24:56; Dark ; 46.0; 27; 24Gam Ori ; 1.64; 26000;occ; 92; 0;38904
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5; 708.8; 08-AUG-2009 23:54:47; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;38905
6; 914.8; 08-AUG-2009 23:58:13; Dark ; 56.5; 63; Bet Gru ; 2.15; 2800;occ; 113; 0;38905
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9; 1806.2; 09-AUG-2009 00:13:04; Bright; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;38905
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12; 2721.5; 09-AUG-2009 00:28:19; Bright; 38.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 76; 0;38905
13; 3047.1; 09-AUG-2009 00:33:45; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38905
14; 3386.5; 09-AUG-2009 00:39:24; Bright; 50.5; 74; 11Bet Cas ; 2.27; 6600;occ; 101; 0;38905
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22; 4841.4; 09-AUG-2009 01:03:39; Dark ; 73.0; 13; 87Alp Tau ; 0.87; 3800;occ; 146; 0;38905
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7;-1200.2; 08-AUG-2009 06:36:59; Dark ; 66.0; 13; 87Alp Tau ; 0.87; 3800;occ; 132; 0;38894
8;-1086.1; 08-AUG-2009 06:38:53; Dark ; 47.5; 27; 24Gam Ori ; 1.64; 26000;occ; 95; 0;38894
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8; 3522.6; 08-AUG-2009 07:55:41; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;38895
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12; 4308.9; 08-AUG-2009 08:08:48; Bright; 53.5; 149; 45Eps Per ; 2.89; 30000;occ; 107; 0;38895
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9; 4044.7; 08-AUG-2009 09:44:59; Bright; 55.5; 35; 33Alp Per ; 1.79; 6250;occ; 111; 0;38896
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4; 2724.0; 08-AUG-2009 11:03:35; Bright; 40.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 80; 0;38897
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6; 3393.3; 08-AUG-2009 11:14:44; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38897

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10; 4199.9; 08-AUG-2009 11:28:10; Bright; 45.5; 6; 13Alp Aur ; 0.08; 3400;occ; 91; 0;38897
11; 4308.7; 08-AUG-2009 11:29:59; Bright; 54.0; 149; 45Eps Per ; 2.89; 30000;occ; 108; 0;38897
12; 4532.6; 08-AUG-2009 11:33:43; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38897
13; 4664.2; 08-AUG-2009 11:35:55; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38897
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10; 4043.9; 08-AUG-2009 13:06:10; Bright; 54.0; 35; 33Alp Per ; 1.79; 6250;occ; 108; 0;38898
11; 4200.0; 08-AUG-2009 13:08:46; Bright; 45.5; 6; 13Alp Aur ; 0.08; 3400;occ; 91; 0;38898
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3; 2158.9; 08-AUG-2009 14:15:21; Bright; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;38899
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5; 2723.3; 08-AUG-2009 14:24:46; Bright; 40.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 81; 0;38899
6; 3049.2; 08-AUG-2009 14:30:11; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38899
7; 3391.7; 08-AUG-2009 14:35:54; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;38899
8; 3519.7; 08-AUG-2009 14:38:02; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;38899
9; 3934.3; 08-AUG-2009 14:44:57; Bright; 50.0; 160; 23Gam Per ; 2.93; 4700;occ; 100; 0;38899
10; 4043.8; 08-AUG-2009 14:46:46; Bright; 54.0; 35; 33Alp Per ; 1.79; 6250;occ; 108; 0;38899
11; 4200.1; 08-AUG-2009 14:49:22; Bright; 44.5; 6; 13Alp Aur ; 0.08; 3400;occ; 89; 0;38899
12; 4308.6; 08-AUG-2009 14:51:11; Bright; 51.5; 149; 45Eps Per ; 2.89; 30000;occ; 103; 0;38899
13; 4533.3; 08-AUG-2009 14:54:56; Dark ; 49.5; 28; 12Bet Tau ; 1.65; 15200;occ; 99; 0;38899
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10; 4043.3; 08-AUG-2009 16:27:21; Bright; 58.0; 35; 33Alp Per ; 1.79; 6250;occ; 116; 0;38900
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 5; 2719.9; 09-AUG-2009 08:51:18; Bright; 40.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 80; 0;38910
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 9; 3367.4; 10-AUG-2009 16:53:28; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38929
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12; 4031.6; 10-AUG-2009 17:04:32; Bright; 52.0; 35; 33Alp Per ; 1.79; 6250;occ; 104; 0;38929
13; 4198.8; 10-AUG-2009 17:07:19; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;38929
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 2;-1497.4; 10-AUG-2009 17:12:59; Dark ; 47.5; 28; 12Bet Tau ; 1.65; 15200;occ; 95; 0;38929
 3;-1363.5; 10-AUG-2009 17:15:13; Dark ; 42.0; 176; 23Zet Tau ; 3.02; 22000;occ; 84; 0;38929
 4;-1181.4; 10-AUG-2009 17:18:15; Dark ; 66.0; 13; 87Alp Tau ; 0.87; 3800;occ; 132; 0;38929
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11; 732.5; 10-AUG-2009 17:50:09; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;38930
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 2; 1583.6; 10-AUG-2009 16:23:44; Bright; 46.0; 142; 49Del Cap ; 2.85; 8900;occ; 92; 0;38929
 3; 1804.2; 10-AUG-2009 16:27:24; Bright; 64.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 128; 0;38929
 4; 1946.3; 10-AUG-2009 16:29:46; Bright; 25.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 50; 0;38929
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 6; 2522.5; 10-AUG-2009 16:39:23; Bright; 39.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 78; 0;38929
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 12; 4031.6; 10-AUG-2009 17:04:32; Bright; 52.0; 35; 33Alp Per ; 1.79; 6250;occ; 104; 0;38929
 13; 4198.8; 10-AUG-2009 17:07:19; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;38929
 14; 4305.5; 10-AUG-2009 17:09:06; Bright; 38.0; 149; 45Eps Per ; 2.89; 30000;occ; 76; 0;38929
 15; 4538.6; 10-AUG-2009 17:12:59; Dark ; 47.5; 28; 12Bet Tau ; 1.65; 15200;occ; 95; 0;38929
 16; 4672.5; 10-AUG-2009 17:15:13; Dark ; 42.0; 176; 23Zet Tau ; 3.02; 22000;occ; 84; 0;38929
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 19; 5073.5; 10-AUG-2009 17:21:54; Dark ; 45.0; 72; 34Del Ori ; 2.25; 30000;occ; 90; 0;38929
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 3; 1804.0; 10-AUG-2009 18:08:00; Bright; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;38930
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 9; 3366.5; 10-AUG-2009 18:34:03; Bright; 51.5; 74; 11Bet Cas ; 2.27; 6600;occ; 103; 0;38930
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 21; 5608.4; 10-AUG-2009 19:11:25; Dark ; 69.5; 165; 34Gam Eri ; 2.95; 3200;occ; 139; 0;38930
 22; 5843.3; 10-AUG-2009 19:15:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38930
 23; 6158.5; 10-AUG-2009 19:20:35; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;38930
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 5; 1218.1; 11-AUG-2009 00:40:38; Dark ; 58.0; 18; 24Alp PsA ; 1.17; 9700;occ; 116; 0;38934
 6; 1584.0; 11-AUG-2009 00:46:44; Bright; 45.5; 142; 49Del Cap ; 2.85; 8900;occ; 91; 0;38934
 7; 1803.6; 11-AUG-2009 00:50:23; Bright; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;38934
 8; 1944.2; 11-AUG-2009 00:52:44; Bright; 45.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 90; 0;38934
 9; 2141.7; 11-AUG-2009 00:56:01; Bright; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;38934
 10; 2521.0; 11-AUG-2009 01:02:21; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38934
 11; 2712.6; 11-AUG-2009 01:05:32; Bright; 36.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 72; 0;38934
 12; 3037.3; 11-AUG-2009 01:10:57; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;38934
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 19; 4673.9; 11-AUG-2009 01:38:14; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38934
 20; 4857.3; 11-AUG-2009 01:41:17; Dark ; 76.0; 13; 87Alp Tau ; 0.87; 3800;occ; 152; 0;38934
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6; 737.1; 11-AUG-2009 02:13:13; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;38935
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11; 2141.1; 11-AUG-2009 02:36:37; Bright; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;38935
12; 2520.6; 11-AUG-2009 02:42:56; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38935
13; 2712.3; 11-AUG-2009 02:46:08; Bright; 40.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 80; 0;38935
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16; 3492.8; 11-AUG-2009 02:59:08; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;38935
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12; 128.0; 11-AUG-2009 03:43:40; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38936
13; 738.1; 11-AUG-2009 03:53:50; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;38936
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16; 1803.6; 11-AUG-2009 04:11:35; Bright; 45.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 90; 0;38936
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18; 2140.9; 11-AUG-2009 04:17:12; Bright; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;38936
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13; 738.9; 11-AUG-2009 05:34:26; Dark ; 57.0; 84; Alp Phe ; 2.40; 4500;occ; 114; 0;38937
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16; 1803.6; 11-AUG-2009 05:52:11; Bright; 45.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 91; 0;38937
17; 1943.4; 11-AUG-2009 05:54:31; Bright; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;38937
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21; 3036.6; 11-AUG-2009 06:12:44; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38937
22; 3361.1; 11-AUG-2009 06:18:09; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38937
23; 3491.5; 11-AUG-2009 06:20:19; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;38937
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2; 1585.4; 11-AUG-2009 20:53:56; Bright; 54.0; 142; 49Del Cap ; 2.85; 8900;occ; 108; 0;38946
3; 1802.7; 11-AUG-2009 20:57:34; Bright; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;38946

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4; 1940.3; 11-AUG-2009 20:59:51; Bright; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;38946
5; 2136.5; 11-AUG-2009 21:03:08; Bright; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;38946
6; 2517.3; 11-AUG-2009 21:09:28; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38946
7; 2709.2; 11-AUG-2009 21:12:40; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38946
8; 3033.8; 11-AUG-2009 21:18:05; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38946
9; 3353.7; 11-AUG-2009 21:23:25; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38946
10; 3484.7; 11-AUG-2009 21:25:36; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38946
11; 3910.7; 11-AUG-2009 21:32:42; Bright; 59.5; 160; 23Gam Per ; 2.93; 4700;occ; 119; 0;38946
12; 4024.1; 11-AUG-2009 21:34:35; Bright; 42.0; 35; 33Alp Per ; 1.79; 6250;occ; 84; 0;38946
13; 4098.3; 11-AUG-2009 21:35:49; Bright; 50.0; 175; 39Del Per ; 3.01; 19400;occ; 100; 0;38946
14; 4541.6; 11-AUG-2009 21:43:13; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38946
15; 4677.2; 11-AUG-2009 21:45:28; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38946
16; 4864.4; 11-AUG-2009 21:48:35; Dark ; 69.5; 13; 87Alp Tau ; 0.87; 3800;occ; 139; 0;38946
17; 4974.2; 11-AUG-2009 21:50:25; Dark ; 49.5; 27; 24Gam Ori ; 1.64; 26000;occ; 99; 0;38946
18; 5089.9; 11-AUG-2009 21:52:21; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;38946
19; 5173.2; 11-AUG-2009 21:53:44; Dark ; 43.5; 125; 44Iot Ori ; 2.77; 30000;occ; 87; 0;38946
20; 5258.7; 11-AUG-2009 21:55:10; Dark ; 35.5; 7; 19Bet Ori ; 0.10; 14000;occ; 71; 0;38946

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2; -404.6; 11-AUG-2009 22:01:22; Dark ; 68.0; 165; 34Gam Eri ; 2.95; 3200;occ; 136; 0;38946
3; -178.5; 11-AUG-2009 22:05:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38946
4; 140.4; 11-AUG-2009 22:10:27; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;38947
5; 748.0; 11-AUG-2009 22:20:35; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;38947
6; 1224.8; 11-AUG-2009 22:28:32; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;38947
7; 1585.3; 11-AUG-2009 22:34:32; Bright; 45.5; 142; 49Del Cap ; 2.85; 8900;occ; 91; 0;38947
8; 1802.8; 11-AUG-2009 22:38:10; Bright; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;38947
9; 1939.9; 11-AUG-2009 22:40:27; Bright; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;38947
10; 2136.3; 11-AUG-2009 22:43:43; Bright; 48.5; 61; 8Eps Peg ; 2.10; 3900;occ; 97; 0;38947
11; 2517.3; 11-AUG-2009 22:50:04; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38947
12; 2709.1; 11-AUG-2009 22:53:16; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38947
13; 3033.5; 11-AUG-2009 22:58:40; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38947
14; 3353.0; 11-AUG-2009 23:04:00; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38947
15; 3483.9; 11-AUG-2009 23:06:11; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38947
16; 3910.2; 11-AUG-2009 23:13:17; Bright; 53.0; 160; 23Gam Per ; 2.93; 4700;occ; 106; 0;38947
17; 4023.6; 11-AUG-2009 23:15:11; Bright; 42.0; 35; 33Alp Per ; 1.79; 6250;occ; 84; 0;38947
18; 4098.0; 11-AUG-2009 23:16:25; Bright; 64.0; 175; 39Del Per ; 3.01; 19400;occ; 128; 0;38947
19; 4541.8; 11-AUG-2009 23:23:49; Dark ; 48.5; 28; 12Bet Tau ; 1.65; 15200;occ; 97; 0;38947
20; 4677.4; 11-AUG-2009 23:26:04; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;38947
21; 4864.9; 11-AUG-2009 23:29:12; Dark ; 74.5; 13; 87Alp Tau ; 0.87; 3800;occ; 149; 0;38947
22; 4974.7; 11-AUG-2009 23:31:02; Dark ; 50.5; 27; 24Gam Ori ; 1.64; 26000;occ; 101; 0;38947
23; 5090.4; 11-AUG-2009 23:32:57; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;38947
24; 5173.7; 11-AUG-2009 23:34:21; Dark ; 45.5; 125; 44Iot Ori ; 2.77; 30000;occ; 91; 0;38947
25; 5259.4; 11-AUG-2009 23:35:46; Dark ; 61.0; 7; 19Bet Ori ; 0.10; 14000;occ; 122; 0;38947

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1; -772.5; 11-AUG-2009 23:35:50; Dark ; 62.0; 7; 19Bet Ori ; 0.10; 14000;occ; 124; 8;38947
2; -177.6; 11-AUG-2009 23:45:45; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38947
3; 141.4; 11-AUG-2009 23:51:04; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38948
4; 748.8; 12-AUG-2009 00:01:12; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;38948
5; 1225.3; 12-AUG-2009 00:09:08; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;38948
6; 1585.7; 12-AUG-2009 00:15:09; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38948
7; 1802.4; 12-AUG-2009 00:18:45; Bright; 59.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 119; 0;38948
8; 1939.6; 12-AUG-2009 00:21:02; Bright; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;38948
9; 2135.7; 12-AUG-2009 00:24:18; Bright; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 0;38948
10; 2516.8; 12-AUG-2009 00:30:40; Bright; 36.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 73; 0;38948
11; 2708.9; 12-AUG-2009 00:33:52; Bright; 35.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 71; 0;38948
12; 3033.3; 12-AUG-2009 00:39:16; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38948
13; 3352.1; 12-AUG-2009 00:44:35; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;38948
14; 3483.2; 12-AUG-2009 00:46:46; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;38948
15; 3909.6; 12-AUG-2009 00:53:52; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;38948
16; 4023.4; 12-AUG-2009 00:55:46; Bright; 38.0; 35; 33Alp Per ; 1.79; 6250;occ; 76; 0;38948
17; 4097.8; 12-AUG-2009 00:57:01; Bright; 75.0; 175; 39Del Per ; 3.01; 19400;occ; 150; 0;38948
18; 4542.0; 12-AUG-2009 01:04:25; Dark ; 50.5; 28; 12Bet Tau ; 1.65; 15200;occ; 101; 0;38948
19; 4677.7; 12-AUG-2009 01:06:40; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;38948
20; 4865.5; 12-AUG-2009 01:09:48; Dark ; 78.0; 13; 87Alp Tau ; 0.87; 3800;occ; 156; 0;38948
21; 4975.2; 12-AUG-2009 01:11:38; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;38948
22; 5091.0; 12-AUG-2009 01:13:34; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;38948
23; 5174.4; 12-AUG-2009 01:14:57; Dark ; 45.0; 125; 44Iot Ori ; 2.77; 30000;occ; 90; 0;38948
24; 5260.0; 12-AUG-2009 01:16:23; Dark ; 51.5; 7; 19Bet Ori ; 0.10; 14000;occ; 103; 0;38948

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 2; -2007.8; 11-AUG-2009 06:29:16; Bright; 56.0; 35; 33Alp Per ; 1.79; 6250;occ; 112; 0;38937
 3; -1837.6; 11-AUG-2009 06:32:06; Bright; 47.0; 6; 13Alp Aur ; 0.08; 3400;occ; 94; 0;38937
 4; -1496.0; 11-AUG-2009 06:37:48; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38937
 5; -1361.3; 11-AUG-2009 06:40:02; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38937
 6; -1176.7; 11-AUG-2009 06:43:07; Dark ; 69.0; 13; 87Alp Tau ; 0.87; 3800;occ; 138; 0;38937
 7; -1066.2; 11-AUG-2009 06:44:57; Dark ; 45.5; 27; 24Gam Ori ; 1.64; 26000;occ; 91; 0;38937
 8; -950.5; 11-AUG-2009 06:46:53; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;38937
 9; -783.2; 11-AUG-2009 06:49:40; Dark ; 54.0; 7; 19Bet Ori ; 0.10; 14000;occ; 108; 0;38937
 10; -417.6; 11-AUG-2009 06:55:46; Dark ; 68.5; 165; 34Gam Eri ; 2.95; 3200;occ; 137; 0;38937
 11; -186.5; 11-AUG-2009 06:59:37; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38937
 12; 130.0; 11-AUG-2009 07:04:54; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38938
 13; 740.0; 11-AUG-2009 07:15:04; Dark ; 62.5; 84; Alp Phe ; 2.40; 4500;occ; 125; 0;38938
 14; 1220.4; 11-AUG-2009 07:23:04; Dark ; 57.5; 18; 24Alp PsA ; 1.17; 9700;occ; 115; 0;38938
 15; 1584.5; 11-AUG-2009 07:29:08; Bright; 63.5; 142; 49Del Cap ; 2.85; 8900;occ; 127; 0;38938

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 2; 1942.9; 11-AUG-2009 07:35:06; Bright; 53.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 106; 0;38938
 3; 2140.2; 11-AUG-2009 07:38:24; Bright; 49.5; 61; 8Eps Peg ; 2.10; 3900;occ; 99; 0;38938
 4; 2519.7; 11-AUG-2009 07:44:43; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38938
 5; 2711.6; 11-AUG-2009 07:47:55; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38938
 6; 3036.3; 11-AUG-2009 07:53:20; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38938
 7; 3360.2; 11-AUG-2009 07:58:44; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38938
 8; 3490.8; 11-AUG-2009 08:00:54; Bright; 49.5; 76; 27Gam Cas ; 2.30; 30000;occ; 99; 0;38938
 9; 3914.8; 11-AUG-2009 08:07:58; Bright; 50.0; 160; 23Gam Per ; 2.93; 4700;occ; 100; 0;38938
 10; 4027.7; 11-AUG-2009 08:09:51; Bright; 55.5; 35; 33Alp Per ; 1.79; 6250;occ; 111; 0;38938
 11; 4198.4; 11-AUG-2009 08:12:42; Bright; 49.0; 6; 13Alp Aur ; 0.08; 3400;occ; 98; 0;38938
 12; 4540.2; 11-AUG-2009 08:18:24; Dark ; 47.5; 28; 12Bet Tau ; 1.65; 15200;occ; 95; 0;38938
 13; 4675.0; 11-AUG-2009 08:20:39; Dark ; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;38938
 14; 4859.8; 11-AUG-2009 08:23:43; Dark ; 76.0; 13; 87Alp Tau ; 0.87; 3800;occ; 152; 0;38938
 15; 4970.1; 11-AUG-2009 08:25:34; Dark ; 42.5; 27; 24Gam Ori ; 1.64; 26000;occ; 85; 0;38938
 16; 5086.0; 11-AUG-2009 08:27:30; Dark ; 47.5; 30; 46Eps Ori ; 1.69; 30000;occ; 95; 0;38938
 17; 5253.5; 11-AUG-2009 08:30:17; Dark ; 52.0; 7; 19Bet Ori ; 0.10; 14000;occ; 104; 0;38938
 18; 5619.8; 11-AUG-2009 08:36:23; Dark ; 62.5; 165; 34Gam Eri ; 2.95; 3200;occ; 125; 0;38938
 19; 5850.3; 11-AUG-2009 08:40:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38938
 20; 6167.2; 11-AUG-2009 08:45:31; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38938
 21; 6776.7; 11-AUG-2009 08:55:40; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;38938
 22; 7256.7; 11-AUG-2009 09:03:40; Dark ; 56.0; 18; 24Alp PsA ; 1.17; 9700;occ; 112; 0;38938
 23; 7620.5; 11-AUG-2009 09:09:44; Bright; 49.0; 142; 49Del Cap ; 2.85; 8900;occ; 98; 0;38938

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 2; 1942.7; 11-AUG-2009 09:15:42; Bright; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;38939
 3; 2139.6; 11-AUG-2009 09:18:59; Bright; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 0;38939
 4; 2519.4; 11-AUG-2009 09:25:19; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38939
 5; 2711.1; 11-AUG-2009 09:28:31; Bright; 39.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 79; 0;38939
 6; 3036.1; 11-AUG-2009 09:33:56; Bright; 57.0; 89; 5Alp Cep ; 2.45; 8000;occ; 114; 0;38939
 7; 3359.3; 11-AUG-2009 09:39:19; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;38939
 8; 3490.0; 11-AUG-2009 09:41:29; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;38939
 9; 3914.5; 11-AUG-2009 09:48:34; Bright; 51.0; 160; 23Gam Per ; 2.93; 4700;occ; 102; 0;38939
 10; 4027.4; 11-AUG-2009 09:50:27; Bright; 58.0; 35; 33Alp Per ; 1.79; 6250;occ; 116; 0;38939
 11; 4198.3; 11-AUG-2009 09:53:18; Bright; 45.0; 6; 13Alp Aur ; 0.08; 3400;occ; 90; 0;38939
 12; 4540.3; 11-AUG-2009 09:59:00; Dark ; 46.5; 28; 12Bet Tau ; 1.65; 15200;occ; 93; 0;38939
 13; 4675.3; 11-AUG-2009 10:01:15; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38939
 14; 4860.3; 11-AUG-2009 10:04:20; Dark ; 66.5; 13; 87Alp Tau ; 0.87; 3800;occ; 133; 0;38939
 15; 4970.7; 11-AUG-2009 10:06:10; Dark ; 46.5; 27; 24Gam Ori ; 1.64; 26000;occ; 93; 0;38939
 16; 5086.5; 11-AUG-2009 10:08:06; Dark ; 46.0; 30; 46Eps Ori ; 1.69; 30000;occ; 92; 0;38939
 17; 5254.1; 11-AUG-2009 10:10:54; Dark ; 53.0; 7; 19Bet Ori ; 0.10; 14000;occ; 106; 0;38939
 18; 5621.2; 11-AUG-2009 10:17:01; Dark ; 72.5; 165; 34Gam Eri ; 2.95; 3200;occ; 145; 0;38939
 19; 5851.1; 11-AUG-2009 10:20:51; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38939
 20; 6168.4; 11-AUG-2009 10:26:08; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38939
 21; 6777.5; 11-AUG-2009 10:36:17; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;38939
 22; 7257.3; 11-AUG-2009 10:44:17; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;38939
 23; 7620.5; 11-AUG-2009 10:50:20; Bright; 62.5; 142; 49Del Cap ; 2.85; 8900;occ; 125; 0;38939

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 2; 1942.4; 11-AUG-2009 10:56:18; Bright; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;38940
 3; 2139.2; 11-AUG-2009 10:59:35; Bright; 46.0; 61; 8Eps Peg ; 2.10; 3900;occ; 92; 0;38940


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5; 2710.8; 11-AUG-2009 11:09:06; Bright; 56.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 112; 0;38940
6; 3035.4; 11-AUG-2009 11:14:31; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;38940
7; 3358.5; 11-AUG-2009 11:19:54; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38940
8; 3489.3; 11-AUG-2009 11:22:05; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;38940
9; 3913.7; 11-AUG-2009 11:29:09; Bright; 70.5; 160; 23Gam Per ; 2.93; 4700;occ; 141; 0;38940
10; 4026.9; 11-AUG-2009 11:31:02; Bright; 54.0; 35; 33Alp Per ; 1.79; 6250;occ; 108; 0;38940
11; 4100.5; 11-AUG-2009 11:32:16; Bright; 75.0; 175; 39Del Per ; 3.01; 19400;occ; 150; 0;38940
12; 4540.6; 11-AUG-2009 11:39:36; Dark ; 48.5; 28; 12Bet Tau ; 1.65; 15200;occ; 97; 0;38940
13; 4675.3; 11-AUG-2009 11:41:51; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38940
14; 4860.8; 11-AUG-2009 11:44:56; Dark ; 76.5; 13; 87Alp Tau ; 0.87; 3800;occ; 153; 0;38940
15; 4971.2; 11-AUG-2009 11:46:47; Dark ; 48.0; 27; 24Gam Ori ; 1.64; 26000;occ; 96; 0;38940
16; 5086.9; 11-AUG-2009 11:48:42; Dark ; 44.5; 30; 46Eps Ori ; 1.69; 30000;occ; 89; 0;38940
17; 5254.8; 11-AUG-2009 11:51:30; Dark ; 50.0; 7; 19Bet Ori ; 0.10; 14000;occ; 100; 0;38940
18; 5622.6; 11-AUG-2009 11:57:38; Dark ; 66.5; 165; 34Gam Eri ; 2.95; 3200;occ; 133; 0;38940
19; 5852.0; 11-AUG-2009 12:01:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38940
20; 6169.6; 11-AUG-2009 12:06:45; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38940
21; 6778.5; 11-AUG-2009 12:16:54; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;38940
22; 7257.7; 11-AUG-2009 12:24:53; Dark ; 55.0; 18; 24Alp PsA ; 1.17; 9700;occ; 110; 0;38940
23; 7620.8; 11-AUG-2009 12:30:56; Bright; 42.0; 142; 49Del Cap ; 2.85; 8900;occ; 84; 0;38940
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 11; -398.7; 12-AUG-2009 04:43:52; Dark ; 55.0; 165; 34Gam Eri ; 2.95; 3200;occ; 110; 0;38950
 12; -174.9; 12-AUG-2009 04:47:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38950
 13; 145.0; 12-AUG-2009 04:52:56; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;38951
 14; 751.7; 12-AUG-2009 05:03:02; Dark ; 54.5; 84; Alp Phe ; 2.40; 4500;occ; 109; 0;38951
 15; 1226.6; 12-AUG-2009 05:10:57; Dark ; 56.0; 18; 24Alp PsA ; 1.17; 9700;occ; 112; 0;38951
 16; 1585.9; 12-AUG-2009 05:16:56; Bright; 45.0; 142; 49Del Cap ; 2.85; 8900;occ; 90; 0;38951
 17; 1802.5; 12-AUG-2009 05:20:33; Bright; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;38951
 18; 1938.7; 12-AUG-2009 05:22:49; Bright; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;38951
 19; 2134.5; 12-AUG-2009 05:26:05; Bright; 46.0; 61; 8Eps Peg ; 2.10; 3900;occ; 92; 0;38951
 20; 2516.2; 12-AUG-2009 05:32:27; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38951
 21; 2708.2; 12-AUG-2009 05:35:39; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38951
 22; 3032.4; 12-AUG-2009 05:41:03; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38951
 23; 3349.8; 12-AUG-2009 05:46:20; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38951
 24; 3481.0; 12-AUG-2009 05:48:32; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38951

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 2; -2013.9; 12-AUG-2009 05:57:33; Bright; 33.0; 35; 33Alp Per ; 1.79; 6250;occ; 66; 0;38951

3; -1939.1; 12-AUG-2009 05:58:47; Bright; 56.5; 175; 39Del Per ; 3.01; 19400;occ; 113; 0;38951
4; -1493.4; 12-AUG-2009 06:06:13; Dark ; 49.5; 28; 12Bet Tau ; 1.65; 15200;occ; 99; 0;38951
5; -1357.4; 12-AUG-2009 06:08:29; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38951
6; -1168.3; 12-AUG-2009 06:11:38; Dark ; 78.0; 13; 87Alp Tau ; 0.87; 3800;occ; 156; 0;38951
7; -1059.2; 12-AUG-2009 06:13:27; Dark ; 48.5; 27; 24Gam Ori ; 1.64; 26000;occ; 97; 0;38951
8; -943.2; 12-AUG-2009 06:15:23; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;38951
9; -859.9; 12-AUG-2009 06:16:47; Dark ; 43.5; 125; 44Iot Ori ; 2.77; 30000;occ; 87; 0;38951
10; -773.7; 12-AUG-2009 06:18:13; Dark ; 49.5; 7; 19Bet Ori ; 0.10; 14000;occ; 99; 0;38951
11; -397.2; 12-AUG-2009 06:24:29; Dark ; 55.0; 165; 34Gam Eri ; 2.95; 3200;occ; 110; 0;38951
12; -174.0; 12-AUG-2009 06:28:13; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38951
13; 146.1; 12-AUG-2009 06:33:33; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38952
14; 752.7; 12-AUG-2009 06:43:39; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;38952
15; 1227.2; 12-AUG-2009 06:51:34; Dark ; 55.5; 18; 24Alp PsA ; 1.17; 9700;occ; 111; 0;38952
16; 1586.1; 12-AUG-2009 06:57:33; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38952
17; 1802.5; 12-AUG-2009 07:01:09; Bright; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;38952
18; 1938.3; 12-AUG-2009 07:03:25; Bright; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;38952
19; 2134.1; 12-AUG-2009 07:06:41; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38952
20; 2515.8; 12-AUG-2009 07:13:02; Bright; 40.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 80; 0;38952
21; 2707.8; 12-AUG-2009 07:16:14; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38952
22; 3032.0; 12-AUG-2009 07:21:39; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38952
23; 3349.0; 12-AUG-2009 07:26:56; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;38952
24; 3480.3; 12-AUG-2009 07:29:07; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;38952

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2; 1587.0; 12-AUG-2009 20:22:21; Bright; 45.0; 142; 49Del Cap ; 2.85; 8900;occ; 90; 0;38960
3; 1802.0; 12-AUG-2009 20:25:56; Bright; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;38960
4; 1935.7; 12-AUG-2009 20:28:10; Bright; 50.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 100; 0;38960
5; 2130.9; 12-AUG-2009 20:31:25; Bright; 45.0; 61; 8Eps Peg ; 2.10; 3900;occ; 90; 0;38960
6; 2513.8; 12-AUG-2009 20:37:48; Bright; 37.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 75; 0;38960
7; 3029.5; 12-AUG-2009 20:46:24; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38960
8; 3342.5; 12-AUG-2009 20:51:36; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38960
9; 3474.2; 12-AUG-2009 20:53:48; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;38960
10; 3903.1; 12-AUG-2009 21:00:57; Bright; 53.5; 160; 23Gam Per ; 2.93; 4700;occ; 107; 0;38960
11; 4093.6; 12-AUG-2009 21:04:08; Bright; 47.5; 175; 39Del Per ; 3.01; 19400;occ; 95; 0;38960
12; 4197.0; 12-AUG-2009 21:05:51; Bright; 51.0; 6; 13Alp Aur ; 0.08; 3400;occ; 102; 0;38960
13; 4544.2; 12-AUG-2009 21:11:38; Dark ; 52.0; 28; 12Bet Tau ; 1.65; 15200;occ; 104; 0;38960
14; 4681.2; 12-AUG-2009 21:13:55; Dark ; 47.0; 176; 23Zet Tau ; 3.02; 22000;occ; 94; 0;38960
15; 4873.1; 12-AUG-2009 21:17:07; Dark ; 76.5; 13; 87Alp Tau ; 0.87; 3800;occ; 153; 0;38960
16; 4981.3; 12-AUG-2009 21:18:55; Dark ; 46.5; 27; 24Gam Ori ; 1.64; 26000;occ; 93; 0;38960
17; 5097.3; 12-AUG-2009 21:20:51; Dark ; 45.5; 30; 46Eps Ori ; 1.69; 30000;occ; 91; 0;38960
18; 5181.2; 12-AUG-2009 21:22:15; Dark ; 44.5; 125; 44Iot Ori ; 2.77; 30000;occ; 89; 0;38960
19; 5268.2; 12-AUG-2009 21:23:42; Dark ; 47.0; 7; 19Bet Ori ; 0.10; 14000;occ; 94; 0;38960

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2; -165.8; 12-AUG-2009 21:33:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38960
3; 156.3; 12-AUG-2009 21:39:06; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;38961
4; 760.6; 12-AUG-2009 21:49:10; Dark ; 60.5; 84; Alp Phe ; 2.40; 4500;occ; 121; 0;38961
5; 1231.7; 12-AUG-2009 21:57:02; Dark ; 55.0; 18; 24Alp PsA ; 1.17; 9700;occ; 110; 0;38961
6; 1587.1; 12-AUG-2009 22:02:57; Bright; 62.0; 142; 49Del Cap ; 2.85; 8900;occ; 124; 0;38961
7; 1802.1; 12-AUG-2009 22:06:32; Bright; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;38961
8; 1935.6; 12-AUG-2009 22:08:45; Bright; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;38961
9; 2130.4; 12-AUG-2009 22:12:00; Bright; 68.0; 61; 8Eps Peg ; 2.10; 3900;occ; 136; 0;38961
10; 2513.4; 12-AUG-2009 22:18:23; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38961
11; 3029.2; 12-AUG-2009 22:26:59; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38961
12; 3341.9; 12-AUG-2009 22:32:12; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;38961
13; 3473.5; 12-AUG-2009 22:34:23; Bright; 45.0; 76; 27Gam Cas ; 2.30; 30000;occ; 90; 0;38961
14; 3902.5; 12-AUG-2009 22:41:32; Bright; 52.0; 160; 23Gam Per ; 2.93; 4700;occ; 104; 0;38961
15; 4093.2; 12-AUG-2009 22:44:43; Bright; 51.5; 175; 39Del Per ; 3.01; 19400;occ; 103; 0;38961
16; 4196.8; 12-AUG-2009 22:46:27; Bright; 48.0; 6; 13Alp Aur ; 0.08; 3400;occ; 96; 0;38961
17; 4544.4; 12-AUG-2009 22:52:14; Dark ; 50.0; 28; 12Bet Tau ; 1.65; 15200;occ; 100; 0;38961
18; 4681.3; 12-AUG-2009 22:54:31; Dark ; 45.5; 176; 23Zet Tau ; 3.02; 22000;occ; 91; 0;38961
19; 4873.6; 12-AUG-2009 22:57:44; Dark ; 72.5; 13; 87Alp Tau ; 0.87; 3800;occ; 145; 0;38961
20; 4981.8; 12-AUG-2009 22:59:32; Dark ; 48.5; 27; 24Gam Ori ; 1.64; 26000;occ; 97; 0;38961
21; 5097.9; 12-AUG-2009 23:01:28; Dark ; 50.0; 30; 46Eps Ori ; 1.69; 30000;occ; 100; 0;38961
22; 5181.6; 12-AUG-2009 23:02:52; Dark ; 44.0; 125; 44Iot Ori ; 2.77; 30000;occ; 88; 0;38961
23; 5269.0; 12-AUG-2009 23:04:19; Dark ; 48.5; 7; 19Bet Ori ; 0.10; 14000;occ; 97; 0;38961

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2; -164.9; 12-AUG-2009 23:14:21; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38961
3; 157.6; 12-AUG-2009 23:19:43; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38962
4; 761.6; 12-AUG-2009 23:29:47; Dark ; 62.0; 84; Alp Phe ; 2.40; 4500;occ; 124; 0;38962
5; 1231.7; 12-AUG-2009 23:37:37; Dark ; 55.0; 18; 24Alp PsA ; 1.17; 9700;occ; 110; 0;38962
6; 1587.2; 12-AUG-2009 23:43:33; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38962
7; 1801.9; 12-AUG-2009 23:47:08; Bright; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;38962
8; 1935.1; 12-AUG-2009 23:49:21; Bright; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;38962
9; 2129.9; 12-AUG-2009 23:52:36; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38962
10; 2513.1; 12-AUG-2009 23:58:59; Bright; 36.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 73; 0;38962
11; 3029.0; 13-AUG-2009 00:07:35; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38962
12; 3340.9; 13-AUG-2009 00:12:47; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;38962
13; 3472.8; 13-AUG-2009 00:14:59; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38962
14; 3902.0; 13-AUG-2009 00:22:08; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;38962
15; 4092.7; 13-AUG-2009 00:25:18; Bright; 48.0; 175; 39Del Per ; 3.01; 19400;occ; 96; 0;38962
16; 4196.7; 13-AUG-2009 00:27:02; Bright; 49.0; 6; 13Alp Aur ; 0.08; 3400;occ; 98; 0;38962
17; 4544.7; 13-AUG-2009 00:32:50; Dark ; 50.0; 28; 12Bet Tau ; 1.65; 15200;occ; 100; 0;38962
18; 4681.7; 13-AUG-2009 00:35:07; Dark ; 47.0; 176; 23Zet Tau ; 3.02; 22000;occ; 94; 0;38962
19; 4874.3; 13-AUG-2009 00:38:20; Dark ; 79.0; 13; 87Alp Tau ; 0.87; 3800;occ; 158; 0;38962
20; 4982.3; 13-AUG-2009 00:40:08; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;38962
21; 5098.4; 13-AUG-2009 00:42:04; Dark ; 45.5; 30; 46Eps Ori ; 1.69; 30000;occ; 91; 0;38962
22; 5182.1; 13-AUG-2009 00:43:28; Dark ; 45.5; 125; 44Iot Ori ; 2.77; 30000;occ; 91; 0;38962
23; 5269.7; 13-AUG-2009 00:44:55; Dark ; 52.5; 7; 19Bet Ori ; 0.10; 14000;occ; 105; 0;38962

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2;-2014.2; 12-AUG-2009 07:38:08; Bright; 29.0; 35; 33Alp Per ; 1.79; 6250;occ; 58; 0;38952
3;-1939.4; 12-AUG-2009 07:39:23; Bright; 76.0; 175; 39Del Per ; 3.01; 19400;occ; 152; 0;38952
4;-1493.2; 12-AUG-2009 07:46:49; Dark ; 46.5; 28; 12Bet Tau ; 1.65; 15200;occ; 93; 0;38952
5;-1357.0; 12-AUG-2009 07:49:05; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38952
6;-1167.7; 12-AUG-2009 07:52:15; Dark ; 65.5; 13; 87Alp Tau ; 0.87; 3800;occ; 131; 0;38952
7;-1058.7; 12-AUG-2009 07:54:04; Dark ; 44.0; 27; 24Gam Ori ; 1.64; 26000;occ; 88; 0;38952
8; -942.7; 12-AUG-2009 07:56:00; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;38952
9; -859.2; 12-AUG-2009 07:57:23; Dark ; 44.0; 125; 44Iot Ori ; 2.77; 30000;occ; 88; 0;38952
10; -773.0; 12-AUG-2009 07:58:49; Dark ; 51.5; 7; 19Bet Ori ; 0.10; 14000;occ; 103; 0;38952
11; -395.7; 12-AUG-2009 08:05:07; Dark ; 49.0; 165; 34Gam Eri ; 2.95; 3200;occ; 98; 0;38952
12; -173.1; 12-AUG-2009 08:08:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38952
13; 147.3; 12-AUG-2009 08:14:10; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38953
14; 753.5; 12-AUG-2009 08:24:16; Dark ; 54.5; 84; Alp Phe ; 2.40; 4500;occ; 109; 0;38953
15; 1227.7; 12-AUG-2009 08:32:10; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;38953
16; 1586.1; 12-AUG-2009 08:38:09; Bright; 44.0; 142; 49Del Cap ; 2.85; 8900;occ; 88; 0;38953

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2; 1937.9; 12-AUG-2009 08:44:00; Bright; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;38953
3; 2133.6; 12-AUG-2009 08:47:16; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38953
4; 2515.6; 12-AUG-2009 08:53:38; Bright; 42.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 85; 0;38953
5; 2707.6; 12-AUG-2009 08:56:50; Bright; 56.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 112; 0;38953
6; 3031.6; 12-AUG-2009 09:02:14; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38953
7; 3348.1; 12-AUG-2009 09:07:31; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38953
8; 3479.6; 12-AUG-2009 09:09:42; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;38953
9; 3907.0; 12-AUG-2009 09:16:49; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;38953
10; 4021.3; 12-AUG-2009 09:18:44; Bright; 29.0; 35; 33Alp Per ; 1.79; 6250;occ; 58; 0;38953
11; 4096.2; 12-AUG-2009 09:19:59; Bright; 49.0; 175; 39Del Per ; 3.01; 19400;occ; 98; 0;38953
12; 4542.9; 12-AUG-2009 09:27:25; Dark ; 50.0; 28; 12Bet Tau ; 1.65; 15200;occ; 100; 0;38953
13; 4679.3; 12-AUG-2009 09:29:42; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38953
14; 4868.7; 12-AUG-2009 09:32:51; Dark ; 70.5; 13; 87Alp Tau ; 0.87; 3800;occ; 141; 0;38953
15; 4977.8; 12-AUG-2009 09:34:40; Dark ; 48.5; 27; 24Gam Ori ; 1.64; 26000;occ; 97; 0;38953
16; 5093.7; 12-AUG-2009 09:36:36; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;38953
17; 5177.0; 12-AUG-2009 09:38:00; Dark ; 42.0; 125; 44Iot Ori ; 2.77; 30000;occ; 84; 0;38953
18; 5263.5; 12-AUG-2009 09:39:26; Dark ; 53.0; 7; 19Bet Ori ; 0.10; 14000;occ; 106; 0;38953
19; 5641.7; 12-AUG-2009 09:45:44; Dark ; 49.0; 165; 34Gam Eri ; 2.95; 3200;occ; 98; 0;38953
20; 5863.7; 12-AUG-2009 09:49:26; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38953
21; 6184.3; 12-AUG-2009 09:54:47; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38953
22; 6790.2; 12-AUG-2009 10:04:53; Dark ; 55.0; 84; Alp Phe ; 2.40; 4500;occ; 110; 0;38953
23; 7264.1; 12-AUG-2009 10:12:47; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;38953
24; 7622.0; 12-AUG-2009 10:18:45; Bright; 62.5; 142; 49Del Cap ; 2.85; 8900;occ; 125; 0;38953

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2; 1937.6; 12-AUG-2009 10:24:36; Bright; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;38954
3; 2133.2; 12-AUG-2009 10:27:52; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38954

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5; 2707.3; 12-AUG-2009 10:37:26; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38954
6; 3031.3; 12-AUG-2009 10:42:50; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;38954
7; 3347.3; 12-AUG-2009 10:48:06; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;38954
8; 3478.8; 12-AUG-2009 10:50:17; Bright; 50.0; 76; 27Gam Cas ; 2.30; 30000;occ; 100; 0;38954
9; 3906.5; 12-AUG-2009 10:57:25; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;38954
10; 4020.7; 12-AUG-2009 10:59:19; Bright; 25.0; 35; 33Alp Per ; 1.79; 6250;occ; 50; 0;38954
11; 4095.7; 12-AUG-2009 11:00:34; Bright; 65.0; 175; 39Del Per ; 3.01; 19400;occ; 130; 0;38954
12; 4543.0; 12-AUG-2009 11:08:01; Dark ; 48.0; 28; 12Bet Tau ; 1.65; 15200;occ; 96; 0;38954
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6; 3336.2; 13-AUG-2009 10:16:18; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;38968
7; 3468.3; 13-AUG-2009 10:18:30; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;38968
8; 3898.6; 13-AUG-2009 10:25:40; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;38968
9; 4090.8; 13-AUG-2009 10:28:52; Bright; 53.0; 175; 39Del Per ; 3.01; 19400;occ; 106; 0;38968
10; 4196.4; 13-AUG-2009 10:30:38; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;38968
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17; 5185.5; 13-AUG-2009 10:47:07; Dark ; 44.5; 125; 44Iot Ori ; 2.77; 30000;occ; 89; 0;38968
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22; 7271.0; 13-AUG-2009 11:21:52; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;38968
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4; 2127.1; 13-AUG-2009 11:36:44; Bright; 46.0; 61; 8Eps Peg ; 2.10; 3900;occ; 92; 0;38969
5; 2511.5; 13-AUG-2009 11:43:09; Bright; 36.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 72; 0;38969
6; 3026.9; 13-AUG-2009 11:51:44; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38969
7; 3335.3; 13-AUG-2009 11:56:53; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;38969
8; 3467.5; 13-AUG-2009 11:59:05; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38969
9; 3898.0; 13-AUG-2009 12:06:15; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;38969
10; 4090.4; 13-AUG-2009 12:09:28; Bright; 53.0; 175; 39Del Per ; 3.01; 19400;occ; 106; 0;38969
11; 4196.4; 13-AUG-2009 12:11:14; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;38969
12; 4364.2; 13-AUG-2009 12:14:01; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;38969
13; 4545.8; 13-AUG-2009 12:17:03; Dark ; 50.0; 28; 12Bet Tau ; 1.65; 15200;occ; 100; 0;38969
14; 4683.6; 13-AUG-2009 12:19:21; Dark ; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;38969
15; 4878.7; 13-AUG-2009 12:22:36; Dark ; 79.0; 13; 87Alp Tau ; 0.87; 3800;occ; 158; 0;38969
16; 4986.0; 13-AUG-2009 12:24:23; Dark ; 51.5; 27; 24Gam Ori ; 1.64; 26000;occ; 103; 0;38969
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22; 6804.7; 13-AUG-2009 12:54:42; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;38969
23; 7271.5; 13-AUG-2009 13:02:29; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;38969
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3; 1932.8; 13-AUG-2009 13:14:06; Bright; 49.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 98; 0;38970
4; 2126.8; 13-AUG-2009 13:17:20; Bright; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 0;38970
5; 2511.0; 13-AUG-2009 13:23:44; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38970
6; 3026.7; 13-AUG-2009 13:32:20; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;38970
7; 3466.9; 13-AUG-2009 13:39:40; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38970
8; 3897.6; 13-AUG-2009 13:46:51; Bright; 49.0; 160; 23Gam Per ; 2.93; 4700;occ; 98; 0;38970
9; 4090.0; 13-AUG-2009 13:50:03; Bright; 48.0; 175; 39Del Per ; 3.01; 19400;occ; 96; 0;38970
10; 4196.4; 13-AUG-2009 13:51:49; Bright; 51.0; 6; 13Alp Aur ; 0.08; 3400;occ; 102; 0;38970
11; 4364.2; 13-AUG-2009 13:54:37; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;38970
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13; 4683.9; 13-AUG-2009 13:59:57; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38970
14; 4879.4; 13-AUG-2009 14:03:13; Dark ; 71.0; 13; 87Alp Tau ; 0.87; 3800;occ; 142; 0;38970
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16; 5102.7; 13-AUG-2009 14:06:56; Dark ; 47.5; 30; 46Eps Ori ; 1.69; 30000;occ; 95; 0;38970
17; 5186.7; 13-AUG-2009 14:08:20; Dark ; 46.0; 125; 44Iot Ori ; 2.77; 30000;occ; 92; 0;38970
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3; 1932.6; 13-AUG-2009 14:54:42; Bright; 50.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 100; 0;38971
4; 2126.5; 13-AUG-2009 14:57:55; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38971
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9; 3897.1; 13-AUG-2009 15:27:26; Bright; 49.0; 160; 23Gam Per ; 2.93; 4700;occ; 98; 0;38971
10; 4089.6; 13-AUG-2009 15:30:39; Bright; 48.0; 175; 39Del Per ; 3.01; 19400;occ; 96; 0;38971
11; 4196.4; 13-AUG-2009 15:32:25; Bright; 61.0; 6; 13Alp Aur ; 0.08; 3400;occ; 122; 0;38971
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13; 4546.3; 13-AUG-2009 15:38:15; Dark ; 51.5; 28; 12Bet Tau ; 1.65; 15200;occ; 103; 0;38971
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22; 6806.6; 13-AUG-2009 16:15:56; Dark ; 61.5; 84; Alp Phe ; 2.40; 4500;occ; 123; 0;38971
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3; 1801.3; 13-AUG-2009 16:33:06; Bright; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;38972
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5; 2126.1; 13-AUG-2009 16:38:31; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38972
6; 2510.6; 13-AUG-2009 16:44:56; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38972
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9; 3465.4; 13-AUG-2009 17:00:50; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;38972
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4; 1931.9; 13-AUG-2009 18:15:53; Bright; 72.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 144; 0;38973
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16; 4881.3; 13-AUG-2009 19:05:02; Dark ; 63.0; 13; 87Alp Tau ; 0.87; 3800;occ; 126; 0;38973
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9; 1801.1; 14-AUG-2009 02:36:42; Bright; 40.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 81; 0;38978
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12; 2509.0; 14-AUG-2009 02:48:29; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38978
13; 3024.0; 14-AUG-2009 02:57:04; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;38978
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5; -1488.3; 14-AUG-2009 03:22:28; Dark ; 48.0; 28; 12Bet Tau ; 1.65; 15200;occ; 96; 0;38978
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3; 1240.3; 14-AUG-2009 05:48:33; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;38980
4; 1589.2; 14-AUG-2009 05:54:22; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38980
5; 1801.0; 14-AUG-2009 05:57:53; Bright; 41.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 82; 0;38980
6; 1929.9; 14-AUG-2009 06:00:02; Bright; 49.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 99; 0;38980
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8; 2508.7; 14-AUG-2009 06:09:41; Bright; 37.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 74; 0;38980
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3; 1800.6; 14-AUG-2009 21:03:16; Bright; 42.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 84; 0;38989
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5; 2119.9; 14-AUG-2009 21:08:36; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38989
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14; 4924.6; 14-AUG-2009 21:55:21; Dark ; 50.5; 14; 58Alp Ori ; 0.87; 3000;occ; 101; 0;38989
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16; 5197.9; 14-AUG-2009 21:59:54; Dark ; 45.5; 125; 44Iot Ori ; 2.77; 30000;occ; 91; 0;38989
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7; 1800.4; 15-AUG-2009 00:24:28; Bright; 42.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 84; 0;38991
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7; 1593.0; 16-AUG-2009 23:17:47; Bright; 60.0; 142; 49Del Cap ; 2.85; 8900;occ; 120; 0;39019
8; 1799.5; 16-AUG-2009 23:21:13; Bright; 39.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 79; 0;39019
9; 1919.8; 16-AUG-2009 23:23:13; Bright; 47.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 95; 0;39019
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11; 3296.0; 16-AUG-2009 23:46:10; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;39019
12; 3429.8; 16-AUG-2009 23:48:23; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39019
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14; 4368.0; 17-AUG-2009 00:04:02; Bright; 40.0; 107; 37The Aur ; 2.65; 11000;occ; 80; 0;39019
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19; 5216.9; 17-AUG-2009 00:18:10; Dark ; 45.5; 125; 44Iot Ori ; 2.77; 30000;occ; 91; 0;39019
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7; 1593.0; 17-AUG-2009 00:58:22; Bright; 43.5; 142; 49Del Cap ; 2.85; 8900;occ; 87; 0;39020
8; 1799.4; 17-AUG-2009 01:01:49; Bright; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;39020
9; 1919.7; 17-AUG-2009 01:03:49; Bright; 47.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 94; 0;39020
10; 2109.8; 17-AUG-2009 01:06:59; Bright; 46.0; 61; 8Eps Peg ; 2.10; 3900;occ; 92; 0;39020
11; 3295.3; 17-AUG-2009 01:26:45; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;39020
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13; 3294.6; 17-AUG-2009 03:07:20; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;39021
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13; 1258.1; 17-AUG-2009 04:13:59; Dark ; 51.5; 18; 24Alp PsA ; 1.17; 9700;occ; 103; 0;39022
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18; 7295.4; 17-AUG-2009 09:15:49; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;39024
19; 7630.0; 17-AUG-2009 09:21:23; Bright; 42.5; 142; 49Del Cap ; 2.85; 8900;occ; 85; 0;39024

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3; 2108.5; 17-AUG-2009 09:29:58; Bright; 45.0; 61; 8Eps Peg ; 2.10; 3900;occ; 90; 0;39025
4; 3291.8; 17-AUG-2009 09:49:41; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;39025
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8; 4556.8; 17-AUG-2009 10:10:46; Dark ; 50.5; 28; 12Bet Tau ; 1.65; 15200;occ; 101; 0;39025
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17; 6852.1; 17-AUG-2009 10:49:01; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;39025
18; 7295.7; 17-AUG-2009 10:56:25; Dark ; 52.5; 18; 24Alp PsA ; 1.17; 9700;occ; 105; 0;39025
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4; 3290.8; 17-AUG-2009 11:30:16; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;39026
5; 3424.7; 17-AUG-2009 11:32:30; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;39026
6; 4191.8; 17-AUG-2009 11:45:17; Bright; 49.0; 6; 13Alp Aur ; 0.08; 3400;occ; 98; 0;39026
7; 4368.5; 17-AUG-2009 11:48:13; Bright; 40.0; 107; 37The Aur ; 2.65; 11000;occ; 80; 0;39026
8; 4557.1; 17-AUG-2009 11:51:22; Dark ; 51.0; 28; 12Bet Tau ; 1.65; 15200;occ; 102; 0;39026
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13; 5319.1; 17-AUG-2009 12:04:04; Dark ; 55.0; 7; 19Bet Ori ; 0.10; 14000;occ; 110; 0;39026
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16; 6269.5; 17-AUG-2009 12:19:54; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;39026
17; 6853.0; 17-AUG-2009 12:29:38; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;39026
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4; 2107.8; 17-AUG-2009 12:51:09; Bright; 44.0; 61; 8Eps Peg ; 2.10; 3900;occ; 88; 0;39027
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6; 3423.9; 17-AUG-2009 13:13:05; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;39027
7; 4191.8; 17-AUG-2009 13:25:53; Bright; 63.0; 6; 13Alp Aur ; 0.08; 3400;occ; 126; 0;39027

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19; 7296.6; 17-AUG-2009 14:17:37; Dark ; 50.5; 18; 24Alp PsA ; 1.17; 9700;occ; 101; 0;39027
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22; 5268.9; 21-AUG-2009 23:21:33; Dark ; 48.5; 125; 44Iot Ori ; 2.77; 30000;occ; 97; 0;39090
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8; 4372.2; 21-AUG-2009 08:01:13; Bright; 40.5; 107; 37The Aur ; 2.65; 11000;occ; 81; 0;39081
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 19; 6907.9; 22-AUG-2009 11:33:04; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;39097
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 9; 4726.2; 22-AUG-2009 12:37:18; Dark ; 51.5; 176; 23Zet Tau ; 3.02; 22000;occ; 103; 0;39098

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1; 1900.8; 25-AUG-2009 15:17:09; Bright; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;39143
 2; 2083.6; 25-AUG-2009 15:20:12; Bright; 41.5; 61; 8Eps Peg ; 2.10; 3900;occ; 83; 0;39143
 3; 2554.3; 25-AUG-2009 15:28:02; Bright; 69.0; 164; 44Eta Peg ; 2.95; 5400;occ; 138; 0;39143
 4; 3204.6; 25-AUG-2009 15:38:53; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39143
 5; 3337.3; 25-AUG-2009 15:41:05; Bright; 46.0; 76; 27Gam Cas ; 2.30; 30000;occ; 92; 0;39143
 6; 4175.7; 25-AUG-2009 15:55:04; Bright; 53.5; 6; 13Alp Aur ; 0.08; 3400;occ; 107; 0;39143
 7; 4375.4; 25-AUG-2009 15:58:23; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;39143
 8; 4582.8; 25-AUG-2009 16:01:51; Dark ; 60.5; 28; 12Bet Tau ; 1.65; 15200;occ; 121; 0;39143
 9; 4760.1; 25-AUG-2009 16:04:48; Dark ; 46.5; 44; 24Gam Gem ; 1.93; 11000;occ; 93; 0;39143
 10; 5003.1; 25-AUG-2009 16:08:51; Dark ; 60.5; 14; 58Alp Ori ; 0.87; 3000;occ; 121; 0;39143
 11; 5107.0; 25-AUG-2009 16:10:35; Dark ; 63.0; 27; 24Gam Ori ; 1.64; 26000;occ; 126; 0;39143
 12; 5223.9; 25-AUG-2009 16:12:32; Dark ; 52.0; 33; 50Zet Ori ; 1.77; 30000;occ; 104; 0;39143
 13; 5315.2; 25-AUG-2009 16:14:03; Dark ; 50.0; 125; 44Tot Ori ; 2.77; 30000;occ; 100; 0;39143
 14; 5409.3; 25-AUG-2009 16:15:37; Dark ; 60.0; 128; 67Bet Eri ; 2.78; 9700;occ; 120; 0;39143
 15; 5525.1; 25-AUG-2009 16:17:33; Dark ; 49.5; 101; 11Alp Lep ; 2.58; 7000;occ; 99; 0;39143
 16; 5701.6; 25-AUG-2009 16:20:30; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39143
 17; 6412.2; 25-AUG-2009 16:32:20; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;39143
 18; 6940.8; 25-AUG-2009 16:41:09; Dark ; 57.5; 84; Alp Phe ; 2.40; 4500;occ; 115; 0;39143

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

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 2; 1900.6; 25-AUG-2009 18:38:21; Bright; 42.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 84; 0;39145
 3; 2083.6; 25-AUG-2009 18:41:24; Bright; 41.0; 61; 8Eps Peg ; 2.10; 3900;occ; 82; 0;39145
 4; 2553.1; 25-AUG-2009 18:49:13; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39145
 5; 3203.3; 25-AUG-2009 19:00:03; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;39145
 6; 3335.8; 25-AUG-2009 19:02:16; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39145
 7; 4175.2; 25-AUG-2009 19:16:15; Bright; 52.0; 6; 13Alp Aur ; 0.08; 3400;occ; 104; 0;39145
 8; 4375.5; 25-AUG-2009 19:19:36; Bright; 43.0; 107; 37The Aur ; 2.65; 11000;occ; 86; 0;39145

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

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1; -754.6; 26-AUG-2009 00:36:29; Dark ; 57.5; 30; 46Eps Ori ; 1.69; 30000;occ; 115; 105;39148
 2; -689.9; 26-AUG-2009 00:37:34; Dark ; 51.0; 56; 53Kap Ori ; 2.07; 30000;occ; 102; 0;39148
 3; -594.0; 26-AUG-2009 00:39:10; Dark ; 68.0; 7; 19Bet Ori ; 0.10; 14000;occ; 136; 0;39148
 4; -445.5; 26-AUG-2009 00:41:38; Dark ; 49.5; 139; 9Bet Lep ; 2.83; 5600;occ; 99; 0;39148
 5; -329.5; 26-AUG-2009 00:43:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39148
 6; 382.5; 26-AUG-2009 00:55:26; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;39149
 7; 908.0; 26-AUG-2009 01:04:12; Dark ; 59.0; 84; Alp Phe ; 2.40; 4500;occ; 118; 0;39149
 8; 1304.2; 26-AUG-2009 01:10:48; Dark ; 49.0; 18; 24Alp PsA ; 1.17; 9700;occ; 98; 0;39149
 9; 1900.2; 26-AUG-2009 01:20:44; Bright; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;39149
 10; 2082.9; 26-AUG-2009 01:23:47; Bright; 57.0; 61; 8Eps Peg ; 2.10; 3900;occ; 114; 0;39149
 11; 2550.3; 26-AUG-2009 01:31:34; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39149
 12; 3200.4; 26-AUG-2009 01:42:24; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;39149
 13; 3332.8; 26-AUG-2009 01:44:36; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39149
 14; 4174.6; 26-AUG-2009 01:58:38; Bright; 69.0; 6; 13Alp Aur ; 0.08; 3400;occ; 138; 0;39149
 15; 4375.5; 26-AUG-2009 02:01:59; Bright; 46.5; 107; 37The Aur ; 2.65; 11000;occ; 93; 0;39149
 16; 4584.1; 26-AUG-2009 02:05:28; Dark ; 62.0; 28; 12Bet Tau ; 1.65; 15200;occ; 124; 0;39149
 17; 4762.0; 26-AUG-2009 02:08:26; Dark ; 44.5; 44; 24Gam Gem ; 1.93; 11000;occ; 89; 0;39149
 18; 5006.9; 26-AUG-2009 02:12:31; Dark ; 65.5; 14; 58Alp Ori ; 0.87; 3000;occ; 131; 0;39149

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1; -1019.0; 26-AUG-2009 02:12:41; Dark ; 66.0; 14; 58Alp Ori ; 0.87; 3000;occ; 132; 20;39149
 2; -923.6; 26-AUG-2009 02:14:16; Dark ; 62.5; 27; 24Gam Ori ; 1.64; 26000;occ; 125; 0;39149
 3; -806.3; 26-AUG-2009 02:16:13; Dark ; 57.5; 30; 46Eps Ori ; 1.69; 30000;occ; 115; 0;39149
 4; -689.1; 26-AUG-2009 02:18:10; Dark ; 52.5; 56; 53Kap Ori ; 2.07; 30000;occ; 105; 0;39149
 5; -592.6; 26-AUG-2009 02:19:47; Dark ; 74.5; 7; 19Bet Ori ; 0.10; 14000;occ; 149; 0;39149
 6; -444.4; 26-AUG-2009 02:22:15; Dark ; 50.0; 139; 9Bet Lep ; 2.83; 5600;occ; 100; 0;39149
 7; -328.5; 26-AUG-2009 02:24:11; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39149
 8; 383.6; 26-AUG-2009 02:36:03; Dark ; 54.5; 157; The1Eri ; 2.91; 9300;occ; 109; 0;39150
 9; 908.8; 26-AUG-2009 02:44:48; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;39150
 10; 1304.5; 26-AUG-2009 02:51:24; Dark ; 48.5; 18; 24Alp PsA ; 1.17; 9700;occ; 97; 0;39150
 11; 1900.2; 26-AUG-2009 03:01:20; Bright; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;39150
 12; 2083.0; 26-AUG-2009 03:04:22; Bright; 42.0; 61; 8Eps Peg ; 2.10; 3900;occ; 84; 0;39150
 13; 2549.9; 26-AUG-2009 03:12:09; Bright; 47.0; 164; 44Eta Peg ; 2.95; 5400;occ; 94; 0;39150
 14; 3199.6; 26-AUG-2009 03:22:59; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;39150
 15; 3332.1; 26-AUG-2009 03:25:12; Bright; 44.5; 76; 27Gam Cas ; 2.30; 30000;occ; 89; 0;39150

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1; -1861.5; 26-AUG-2009 03:39:14; Bright; 56.5; 6; 13Alp Aur ; 0.08; 3400;occ; 113; 0;39150
 2; -1660.4; 26-AUG-2009 03:42:35; Bright; 47.0; 107; 37The Aur ; 2.65; 11000;occ; 94; 0;39150
 3; -1451.6; 26-AUG-2009 03:46:04; Dark ; 59.0; 28; 12Bet Tau ; 1.65; 15200;occ; 118; 0;39150
 4; -1273.6; 26-AUG-2009 03:49:02; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;39150
 5; -1028.4; 26-AUG-2009 03:53:07; Dark ; 69.0; 14; 58Alp Ori ; 0.87; 3000;occ; 138; 0;39150
 6; -922.7; 26-AUG-2009 03:54:53; Dark ; 64.0; 27; 24Gam Ori ; 1.64; 26000;occ; 128; 0;39150
 7; -805.3; 26-AUG-2009 03:56:50; Dark ; 58.5; 30; 46Eps Ori ; 1.69; 30000;occ; 117; 0;39150
 8; -688.3; 26-AUG-2009 03:58:47; Dark ; 52.5; 56; 53Kap Ori ; 2.07; 30000;occ; 105; 0;39150
 9; -591.4; 26-AUG-2009 04:00:24; Dark ; 65.5; 7; 19Bet Ori ; 0.10; 14000;occ; 131; 0;39150
 10; -443.5; 26-AUG-2009 04:02:52; Dark ; 52.0; 139; 9Bet Lep ; 2.83; 5600;occ; 104; 0;39150
 11; -327.5; 26-AUG-2009 04:04:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39150
 12; 384.9; 26-AUG-2009 04:16:40; Dark ; 53.5; 157; The1Eri ; 2.91; 9300;occ; 107; 0;39151
 13; 909.5; 26-AUG-2009 04:25:25; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;39151
 14; 1304.9; 26-AUG-2009 04:32:00; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;39151
 15; 1900.1; 26-AUG-2009 04:41:56; Bright; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;39151
 16; 2082.8; 26-AUG-2009 04:44:58; Bright; 40.5; 61; 8Eps Peg ; 2.10; 3900;occ; 81; 0;39151
 17; 2549.1; 26-AUG-2009 04:52:45; Bright; 46.5; 164; 44Eta Peg ; 2.95; 5400;occ; 93; 0;39151
 18; 3199.0; 26-AUG-2009 05:03:35; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;39151
 19; 3331.4; 26-AUG-2009 05:05:47; Bright; 46.0; 76; 27Gam Cas ; 2.30; 30000;occ; 92; 0;39151

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3;-1451.3; 26-AUG-2009 05:26:40; Dark ; 60.0; 28; 12Bet Tau ; 1.65; 15200;occ; 120; 0;39151
4;-1273.4; 26-AUG-2009 05:29:38; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;39151
5;-1027.8; 26-AUG-2009 05:33:44; Dark ; 64.0; 14; 58Alp Ori ; 0.87; 3000;occ; 128; 0;39151
6; -921.9; 26-AUG-2009 05:35:30; Dark ; 65.0; 27; 24Gam Ori ; 1.64; 26000;occ; 130; 0;39151
7; -804.6; 26-AUG-2009 05:37:27; Dark ; 55.5; 30; 46Eps Ori ; 1.69; 30000;occ; 111; 0;39151
8; -687.6; 26-AUG-2009 05:39:24; Dark ; 51.5; 56; 53Kap Ori ; 2.07; 30000;occ; 103; 0;39151
9; -590.2; 26-AUG-2009 05:41:01; Dark ; 69.0; 7; 19Bet Ori ; 0.10; 14000;occ; 138; 0;39151
10; -442.6; 26-AUG-2009 05:43:29; Dark ; 49.0; 139; 9Bet Lep ; 2.83; 5600;occ; 98; 0;39151
11; -326.5; 26-AUG-2009 05:45:25; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39151
12; 386.1; 26-AUG-2009 05:57:18; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;39152
13; 910.3; 26-AUG-2009 06:06:02; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;39152
14; 1305.3; 26-AUG-2009 06:12:37; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;39152
15; 1900.0; 26-AUG-2009 06:22:31; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;39152
16; 2082.7; 26-AUG-2009 06:25:34; Bright; 48.0; 61; 8Eps Peg ; 2.10; 3900;occ; 96; 0;39152
17; 2548.6; 26-AUG-2009 06:33:20; Bright; 46.5; 164; 44Eta Peg ; 2.95; 5400;occ; 93; 0;39152
18; 3198.4; 26-AUG-2009 06:44:10; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39152
19; 3330.5; 26-AUG-2009 06:46:22; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39152
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1; 916.1; 26-AUG-2009 21:11:31; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;39161
2; 1308.0; 26-AUG-2009 21:18:03; Dark ; 48.5; 18; 24Alp PsA ; 1.17; 9700;occ; 97; 0;39161
3; 1899.2; 26-AUG-2009 21:27:54; Bright; 59.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 118; 0;39161
4; 2081.3; 26-AUG-2009 21:30:56; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;39161
5; 2542.6; 26-AUG-2009 21:38:38; Bright; 44.0; 164; 44Eta Peg ; 2.95; 5400;occ; 88; 0;39161
6; 3192.1; 26-AUG-2009 21:49:27; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39161
7; 3323.8; 26-AUG-2009 21:51:39; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39161
8; 4172.0; 26-AUG-2009 22:05:47; Bright; 58.5; 6; 13Alp Aur ; 0.08; 3400;occ; 117; 0;39161
9; 4376.0; 26-AUG-2009 22:09:11; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;39161
10; 4587.0; 26-AUG-2009 22:12:42; Dark ; 60.5; 28; 12Bet Tau ; 1.65; 15200;occ; 121; 0;39161
11; 4765.7; 26-AUG-2009 22:15:41; Dark ; 46.0; 44; 24Gam Gem ; 1.93; 11000;occ; 92; 0;39161
12; 5014.5; 26-AUG-2009 22:19:49; Dark ; 61.0; 14; 58Alp Ori ; 0.87; 3000;occ; 122; 0;39161
13; 5123.5; 26-AUG-2009 22:21:38; Dark ; 63.5; 27; 24Gam Ori ; 1.64; 26000;occ; 127; 0;39161
14; 5240.6; 26-AUG-2009 22:23:35; Dark ; 35.0; 30; 46Eps Ori ; 1.69; 30000;occ; 70; 0;39161
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3; -578.2; 26-AUG-2009 22:27:13; Dark ; 73.5; 7; 19Bet Ori ; 0.10; 14000;occ; 147; 0;39161
4; -432.5; 26-AUG-2009 22:29:38; Dark ; 54.0; 139; 9Bet Lep ; 2.83; 5600;occ; 108; 0;39161
5; -316.6; 26-AUG-2009 22:31:34; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39161
6; 398.3; 26-AUG-2009 22:43:29; Dark ; 53.5; 157; The1Eri ; 2.91; 9300;occ; 107; 0;39162
7; 916.8; 26-AUG-2009 22:52:08; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;39162
8; 1308.4; 26-AUG-2009 22:58:39; Dark ; 51.0; 18; 24Alp PsA ; 1.17; 9700;occ; 102; 0;39162
9; 1898.9; 26-AUG-2009 23:08:30; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;39162
10; 2081.3; 26-AUG-2009 23:11:32; Bright; 56.0; 61; 8Eps Peg ; 2.10; 3900;occ; 112; 0;39162
11; 2542.0; 26-AUG-2009 23:19:13; Bright; 46.5; 164; 44Eta Peg ; 2.95; 5400;occ; 93; 0;39162
12; 3191.4; 26-AUG-2009 23:30:02; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;39162
13; 3323.1; 26-AUG-2009 23:32:14; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39162
14; 4171.9; 26-AUG-2009 23:46:23; Bright; 58.5; 6; 13Alp Aur ; 0.08; 3400;occ; 117; 0;39162
15; 4376.2; 26-AUG-2009 23:49:47; Bright; 45.5; 107; 37The Aur ; 2.65; 11000;occ; 91; 0;39162
16; 4587.2; 26-AUG-2009 23:53:18; Dark ; 61.0; 28; 12Bet Tau ; 1.65; 15200;occ; 122; 0;39162
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4; 3197.8; 26-AUG-2009 08:24:45; Bright; 42.0; 74; 11Bet Cas ; 2.27; 6600;occ; 84; 0;39153
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16; 5711.4; 26-AUG-2009 09:06:39; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39153
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16; 5712.3; 26-AUG-2009 10:47:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39154
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3; 3196.0; 26-AUG-2009 11:45:55; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;39155
4; 3328.3; 26-AUG-2009 11:48:08; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39155
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9; 5010.6; 26-AUG-2009 12:16:10; Dark ; 62.5; 14; 58Alp Ori ; 0.87; 3000;occ; 125; 0;39155
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11; 5235.1; 26-AUG-2009 12:19:54; Dark ; 56.5; 30; 46Eps Ori ; 1.69; 30000;occ; 113; 0;39155
12; 5351.8; 26-AUG-2009 12:21:51; Dark ; 49.0; 56; 53Kap Ori ; 2.07; 30000;occ; 98; 0;39155
13; 5450.5; 26-AUG-2009 12:23:30; Dark ; 65.5; 7; 19Bet Ori ; 0.10; 14000;occ; 131; 0;39155
14; 5597.3; 26-AUG-2009 12:25:57; Dark ; 49.5; 139; 9Bet Lep ; 2.83; 5600;occ; 99; 0;39155
15; 5713.3; 26-AUG-2009 12:27:53; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39155
16; 6426.9; 26-AUG-2009 12:39:46; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;39155
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 2; -666.2; 27-AUG-2009 21:54:07; Dark ; 53.5; 56; 53Kap Ori ; 2.07; 30000;occ; 107; 0;39175
 3; -560.2; 27-AUG-2009 21:55:54; Dark ; 76.0; 7; 19Bet Ori ; 0.10; 14000;occ; 152; 0;39175

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6; 415.5; 27-AUG-2009 22:12:09; Dark ; 55.0; 157; The1Eri ; 2.91; 9300;occ; 110; 0;39176
7; 926.0; 27-AUG-2009 22:20:40; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;39176
8; 1312.7; 27-AUG-2009 22:27:06; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;39176
9; 1898.2; 27-AUG-2009 22:36:52; Bright; 58.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 116; 0;39176
10; 2285.0; 27-AUG-2009 22:43:19; Bright; 32.0; 90; 54Alp Peg ; 2.49; 11000;occ; 64; 0;39176
11; 2533.4; 27-AUG-2009 22:47:27; Bright; 44.5; 164; 44Eta Peg ; 2.95; 5400;occ; 89; 0;39176
12; 3181.6; 27-AUG-2009 22:58:15; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39176
13; 3312.9; 27-AUG-2009 23:00:27; Bright; 43.5; 76; 27Gam Cas ; 2.30; 30000;occ; 87; 0;39176
14; 4169.2; 27-AUG-2009 23:14:43; Bright; 59.5; 6; 13Alp Aur ; 0.08; 3400;occ; 119; 0;39176
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16; 4590.9; 27-AUG-2009 23:21:45; Dark ; 55.0; 28; 12Bet Tau ; 1.65; 15200;occ; 110; 0;39176
17; 4770.9; 27-AUG-2009 23:24:45; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;39176
18; 5024.6; 27-AUG-2009 23:28:58; Dark ; 68.0; 14; 58Alp Ori ; 0.87; 3000;occ; 136; 0;39176
19; 5255.3; 27-AUG-2009 23:32:49; Dark ; 59.5; 30; 46Eps Ori ; 1.69; 30000;occ; 119; 0;39176
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6; 416.7; 27-AUG-2009 23:52:46; Dark ; 54.5; 157; The1Eri ; 2.91; 9300;occ; 109; 0;39177
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9; 1898.1; 28-AUG-2009 00:17:28; Bright; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;39177
10; 2284.4; 28-AUG-2009 00:23:54; Bright; 32.0; 90; 54Alp Peg ; 2.49; 11000;occ; 64; 0;39177
11; 2532.7; 28-AUG-2009 00:28:02; Bright; 44.0; 164; 44Eta Peg ; 2.95; 5400;occ; 88; 0;39177
12; 3180.9; 28-AUG-2009 00:38:50; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;39177
13; 3312.2; 28-AUG-2009 00:41:02; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39177
14; 4169.1; 28-AUG-2009 00:55:19; Bright; 55.0; 6; 13Alp Aur ; 0.08; 3400;occ; 110; 0;39177
15; 4376.6; 28-AUG-2009 00:58:46; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;39177
16; 4591.1; 28-AUG-2009 01:02:21; Dark ; 55.0; 28; 12Bet Tau ; 1.65; 15200;occ; 110; 0;39177
17; 4771.2; 28-AUG-2009 01:05:21; Dark ; 48.5; 44; 24Gam Gem ; 1.93; 11000;occ; 97; 0;39177
18; 5025.3; 28-AUG-2009 01:09:35; Dark ; 65.5; 14; 58Alp Ori ; 0.87; 3000;occ; 131; 0;39177
19; 5256.1; 28-AUG-2009 01:13:26; Dark ; 62.0; 30; 46Eps Ori ; 1.69; 30000;occ; 124; 0;39177
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4; -300.2; 28-AUG-2009 01:21:25; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39177
5; 417.8; 28-AUG-2009 01:33:23; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;39178
6; 927.2; 28-AUG-2009 01:41:53; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;39178
7; 1313.3; 28-AUG-2009 01:48:19; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;39178
8; 1897.9; 28-AUG-2009 01:58:03; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;39178
9; 2283.8; 28-AUG-2009 02:04:29; Bright; 39.0; 90; 54Alp Peg ; 2.49; 11000;occ; 78; 0;39178
10; 2532.2; 28-AUG-2009 02:08:38; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39178
11; 3180.4; 28-AUG-2009 02:19:26; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;39178
12; 3311.4; 28-AUG-2009 02:21:37; Bright; 43.5; 76; 27Gam Cas ; 2.30; 30000;occ; 87; 0;39178
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2; -1659.3; 28-AUG-2009 02:39:22; Bright; 45.5; 107; 37The Aur ; 2.65; 11000;occ; 91; 0;39178
3; -1444.4; 28-AUG-2009 02:42:57; Dark ; 52.0; 28; 12Bet Tau ; 1.65; 15200;occ; 104; 0;39178
4; -1366.4; 28-AUG-2009 02:44:15; Dark ; 53.5; 151; 13Mu Gem ; 2.89; 3000;occ; 107; 0;39178
5; -1264.3; 28-AUG-2009 02:45:57; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;39178
6; -1009.9; 28-AUG-2009 02:50:11; Dark ; 68.5; 14; 58Alp Ori ; 0.87; 3000;occ; 137; 0;39178
7; -778.6; 28-AUG-2009 02:54:03; Dark ; 58.5; 30; 46Eps Ori ; 1.69; 30000;occ; 117; 0;39178
8; -556.2; 28-AUG-2009 02:57:45; Dark ; 73.5; 7; 19Bet Ori ; 0.10; 14000;occ; 147; 0;39178
9; -415.0; 28-AUG-2009 03:00:06; Dark ; 50.0; 139; 9Bet Lep ; 2.83; 5600;occ; 100; 0;39178
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2; 928.7; 28-AUG-2009 05:03:06; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;39180
3; 1313.8; 28-AUG-2009 05:09:31; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;39180
4; 1898.0; 28-AUG-2009 05:19:15; Bright; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;39180
5; 2282.6; 28-AUG-2009 05:25:40; Bright; 45.0; 90; 54Alp Peg ; 2.49; 11000;occ; 90; 0;39180
6; 2530.8; 28-AUG-2009 05:29:48; Bright; 67.0; 164; 44Eta Peg ; 2.95; 5400;occ; 134; 0;39180

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4;-1365.9; 28-AUG-2009 06:05:27; Dark ; 43.5; 151; 13Mu Gem ; 2.89; 3000;occ; 87; 0;39180
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2;-1263.6; 28-AUG-2009 06:07:10; Dark ; 46.5; 44; 24Gam Gem ; 1.93; 11000;occ; 93; 0;39180
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4; 421.7; 28-AUG-2009 06:35:15; Dark ; 55.0; 157; The1Eri ; 2.91; 9300;occ; 110; 0;39181
5; 929.2; 28-AUG-2009 06:43:43; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;39181
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3; 2529.7; 28-AUG-2009 08:50:59; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39182
4; 3177.8; 28-AUG-2009 09:01:47; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39182
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9; 4670.7; 28-AUG-2009 09:26:40; Dark ; 55.5; 151; 13Mu Gem ; 2.89; 3000;occ; 111; 0;39182
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14; 5485.1; 28-AUG-2009 09:40:14; Dark ; 68.5; 7; 19Bet Ori ; 0.10; 14000;occ; 137; 0;39182
15; 5625.0; 28-AUG-2009 09:42:34; Dark ; 53.0; 139; 9Bet Lep ; 2.83; 5600;occ; 106; 0;39182
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13; 5376.9; 28-AUG-2009 11:19:02; Dark ; 52.0; 56; 53Kap Ori ; 2.07; 30000;occ; 104; 0;39183
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13; 5377.7; 28-AUG-2009 12:59:39; Dark ; 51.0; 56; 53Kap Ori ; 2.07; 30000;occ; 102; 0;39184
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5; 2510.2; 30-AUG-2009 19:31:37; Bright; 42.5; 164; 44Eta Peg ; 2.95; 5400;occ; 85; 0;39217
6; 3154.5; 30-AUG-2009 19:42:21; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39217
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9; 4377.8; 30-AUG-2009 20:02:44; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;39217
10; 4681.2; 30-AUG-2009 20:07:48; Dark ; 59.5; 151; 13Mu Gem ; 2.89; 3000;occ; 119; 0;39217
11; 4785.7; 30-AUG-2009 20:09:32; Dark ; 49.0; 44; 24Gam Gem ; 1.93; 11000;occ; 98; 0;39217
12; 5298.9; 30-AUG-2009 20:18:05; Dark ; 62.0; 30; 46Eps Ori ; 1.69; 30000;occ; 124; 0;39217
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4; 467.0; 30-AUG-2009 20:38:09; Dark ; 55.5; 157; The1Eri ; 2.91; 9300;occ; 111; 0;39218
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3; -430.2; 31-AUG-2009 01:25:00; Dark ; 50.5; 101; 11Alp Lep ; 2.58; 7000;occ; 101; 0;39220
4; -253.6; 31-AUG-2009 01:27:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39220
5; 470.5; 31-AUG-2009 01:40:01; Dark ; 54.5; 157; The1Eri ; 2.91; 9300;occ; 109; 0;39221
6; 953.8; 31-AUG-2009 01:48:04; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;39221
7; 1325.8; 31-AUG-2009 01:54:16; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;39221
8; 1895.7; 31-AUG-2009 02:03:46; Bright; 39.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 78; 0;39221
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10; 2508.1; 31-AUG-2009 02:13:58; Bright; 43.5; 164; 44Eta Peg ; 2.95; 5400;occ; 87; 0;39221
11; 3151.9; 31-AUG-2009 02:24:42; Bright; 42.0; 74; 11Bet Cas ; 2.27; 6600;occ; 84; 0;39221
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3; -1353.2; 31-AUG-2009 02:50:13; Dark ; 55.0; 151; 13Mu Gem ; 2.89; 3000;occ; 110; 0;39221
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5; -732.4; 31-AUG-2009 03:00:34; Dark ; 64.0; 30; 46Eps Ori ; 1.69; 30000;occ; 128; 0;39221
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11; 1326.2; 31-AUG-2009 03:34:52; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;39222
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13; 2257.0; 31-AUG-2009 03:50:23; Bright; 48.5; 90; 54Alp Peg ; 2.49; 11000;occ; 97; 0;39222
14; 2507.7; 31-AUG-2009 03:54:34; Bright; 43.5; 164; 44Eta Peg ; 2.95; 5400;occ; 87; 0;39222
15; 3151.3; 31-AUG-2009 04:05:17; Bright; 42.0; 74; 11Bet Cas ; 2.27; 6600;occ; 84; 0;39222
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5; -977.2; 31-AUG-2009 04:37:05; Dark ; 68.5; 14; 58Alp Ori ; 0.87; 3000;occ; 137; 0;39222
6; -731.4; 31-AUG-2009 04:41:11; Dark ; 63.5; 30; 46Eps Ori ; 1.69; 30000;occ; 127; 0;39222
7; -594.7; 31-AUG-2009 04:43:27; Dark ; 48.0; 47; 2Bet CMA ; 1.98; 28000;occ; 96; 0;39222
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9; -251.4; 31-AUG-2009 04:49:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39222
10; 472.9; 31-AUG-2009 05:01:15; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;39223
11; 955.2; 31-AUG-2009 05:09:17; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;39223
12; 1326.4; 31-AUG-2009 05:15:28; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;39223
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15; 2507.3; 31-AUG-2009 05:35:09; Bright; 43.5; 164; 44Eta Peg ; 2.95; 5400;occ; 87; 0;39223
16; 3150.6; 31-AUG-2009 05:45:53; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39223

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3; 2502.7; 31-AUG-2009 20:40:28; Bright; 40.5; 164; 44Eta Peg ; 2.95; 5400;occ; 81; 0;39232
4; 3144.8; 31-AUG-2009 20:51:10; Bright; 43.0; 74; 11Bet Cas ; 2.27; 6600;occ; 86; 0;39232
5; 3273.2; 31-AUG-2009 20:53:19; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;39232
6; 4156.4; 31-AUG-2009 21:08:02; Bright; 60.5; 6; 13Alp Aur ; 0.08; 3400;occ; 121; 0;39232
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3; -415.8; 31-AUG-2009 21:32:25; Dark ; 55.0; 101; 11Alp Lep ; 2.58; 7000;occ; 110; 0;39232
4; -240.0; 31-AUG-2009 21:35:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39232
5; 485.0; 31-AUG-2009 21:47:26; Dark ; 56.0; 157; The1Eri ; 2.91; 9300;occ; 112; 0;39233
6; 961.1; 31-AUG-2009 21:55:22; Dark ; 46.0; 84; Alp Phe ; 2.40; 4500;occ; 92; 0;39233
7; 1329.3; 31-AUG-2009 22:01:31; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;39233
8; 2251.0; 31-AUG-2009 22:16:52; Bright; 70.0; 90; 54Alp Peg ; 2.49; 11000;occ; 140; 0;39233
9; 2502.2; 31-AUG-2009 22:21:03; Bright; 43.5; 164; 44Eta Peg ; 2.95; 5400;occ; 87; 0;39233
10; 3144.0; 31-AUG-2009 22:31:45; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39233
11; 3272.4; 31-AUG-2009 22:33:54; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39233
12; 4156.1; 31-AUG-2009 22:48:37; Bright; 61.0; 6; 13Alp Aur ; 0.08; 3400;occ; 122; 0;39233
13; 4378.1; 31-AUG-2009 22:52:19; Bright; 48.0; 107; 37The Aur ; 2.65; 11000;occ; 96; 0;39233
14; 4686.4; 31-AUG-2009 22:57:28; Dark ; 51.5; 151; 13Mu Gem ; 2.89; 3000;occ; 103; 0;39233
15; 4791.8; 31-AUG-2009 22:59:13; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;39233
16; 5067.4; 31-AUG-2009 23:03:49; Dark ; 74.5; 14; 58Alp Ori ; 0.87; 3000;occ; 149; 0;39233
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4; 486.3; 31-AUG-2009 23:28:03; Dark ; 55.0; 157; The1Eri ; 2.91; 9300;occ; 110; 0;39234
5; 961.6; 31-AUG-2009 23:35:59; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;39234
6; 1329.5; 31-AUG-2009 23:42:07; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;39234
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8; 2501.6; 01-SEP-2009 00:01:39; Bright; 44.0; 164; 44Eta Peg ; 2.95; 5400;occ; 88; 0;39234
9; 3143.7; 01-SEP-2009 00:12:21; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;39234
10; 3271.6; 01-SEP-2009 00:14:29; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39234
11; 4155.9; 01-SEP-2009 00:29:13; Bright; 64.0; 6; 13Alp Aur ; 0.08; 3400;occ; 128; 0;39234
12; 4378.0; 01-SEP-2009 00:32:55; Bright; 47.5; 107; 37The Aur ; 2.65; 11000;occ; 95; 0;39234
13; 4686.7; 01-SEP-2009 00:38:04; Dark ; 54.5; 151; 13Mu Gem ; 2.89; 3000;occ; 109; 0;39234
14; 4792.4; 01-SEP-2009 00:39:49; Dark ; 48.5; 44; 24Gam Gem ; 1.93; 11000;occ; 97; 0;39234
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3; -1352.6; 31-AUG-2009 06:11:25; Dark ; 52.0; 151; 13Mu Gem ; 2.89; 3000;occ; 104; 0;39223
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5; -976.6; 31-AUG-2009 06:17:41; Dark ; 73.5; 14; 58Alp Ori ; 0.87; 3000;occ; 147; 0;39223
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3; 2506.7; 31-AUG-2009 07:15:45; Bright; 64.0; 164; 44Eta Peg ; 2.95; 5400;occ; 128; 0;39224
4; 3149.9; 31-AUG-2009 07:26:28; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39224
5; 3278.8; 31-AUG-2009 07:28:37; Bright; 44.5; 76; 27Gam Cas ; 2.30; 30000;occ; 89; 0;39224
6; 4158.4; 31-AUG-2009 07:43:16; Bright; 63.5; 6; 13Alp Aur ; 0.08; 3400;occ; 127; 0;39224
7; 4378.1; 31-AUG-2009 07:46:56; Bright; 47.5; 107; 37The Aur ; 2.65; 11000;occ; 95; 0;39224

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 10; 5060.4; 31-AUG-2009 07:58:18; Dark ; 77.0; 14; 58Alp Ori ; 0.87; 3000;occ; 154; 0;39224
 11; 5307.1; 31-AUG-2009 08:02:25; Dark ; 64.0; 30; 46Eps Ori ; 1.69; 30000;occ; 128; 0;39224
 12; 5442.8; 31-AUG-2009 08:04:41; Dark ; 46.0; 47; 2Bet CMA ; 1.98; 28000;occ; 92; 0;39224
 13; 5610.4; 31-AUG-2009 08:07:28; Dark ; 53.5; 101; 11Alp Lep ; 2.58; 7000;occ; 107; 0;39224
 14; 5786.8; 31-AUG-2009 08:10:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39224
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 4; 3149.4; 31-AUG-2009 09:07:03; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39225
 5; 3278.0; 31-AUG-2009 09:09:12; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;39225
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 7; 4378.2; 31-AUG-2009 11:08:08; Bright; 48.5; 107; 37The Aur ; 2.65; 11000;occ; 97; 0;39226
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 3; 3147.5; 31-AUG-2009 14:08:49; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39228

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5; 3275.1; 31-AUG-2009 15:51:33; Bright; 44.5; 76; 27Gam Cas ; 2.30; 30000;occ; 89; 0;39229
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6; 4157.1; 31-AUG-2009 17:46:51; Bright; 54.5; 6; 13Alp Aur ; 0.08; 3400;occ; 109; 0;39230
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4; 3145.5; 31-AUG-2009 19:10:35; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;39231
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6; 4156.8; 31-AUG-2009 19:27:26; Bright; 59.5; 6; 13Alp Aur ; 0.08; 3400;occ; 119; 0;39231
7; 4378.2; 31-AUG-2009 19:31:08; Bright; 47.5; 107; 37The Aur ; 2.65; 11000;occ; 95; 0;39231
8; 4685.8; 31-AUG-2009 19:36:15; Dark ; 57.0; 151; 13Mu Gem ; 2.89; 3000;occ; 114; 0;39231
9; 4791.2; 31-AUG-2009 19:38:01; Dark ; 50.5; 44; 24Gam Gem ; 1.93; 11000;occ; 101; 0;39231
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