

# GOMOS Daily Report 05-DEC-2010

## Level 0 and Level 1 products

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This report presents the daily analysis on parameters extracted from GOMOS level 1b data (GOM\_TRA\_1P). It is intended to monitor some important parameters that will impact the quality of the level 2 products as the Spectrometers and Photometers CCD Temperatures and Dark Charge, SATU noise equivalent angle... A list of level 0 products (and content) that have arrived during the actual month to the PCF is also given.

Item	Value
Time of report generation	14DEC2010 15:36:52
Data source version	GOMOS/5.01
Start time of products	05DEC2010 00:01:30
Stop time of products	05DEC2010 23:54:04
Store outputs in DB	No
Nb of level 1b prods	113
Nb of prods with errors	16

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

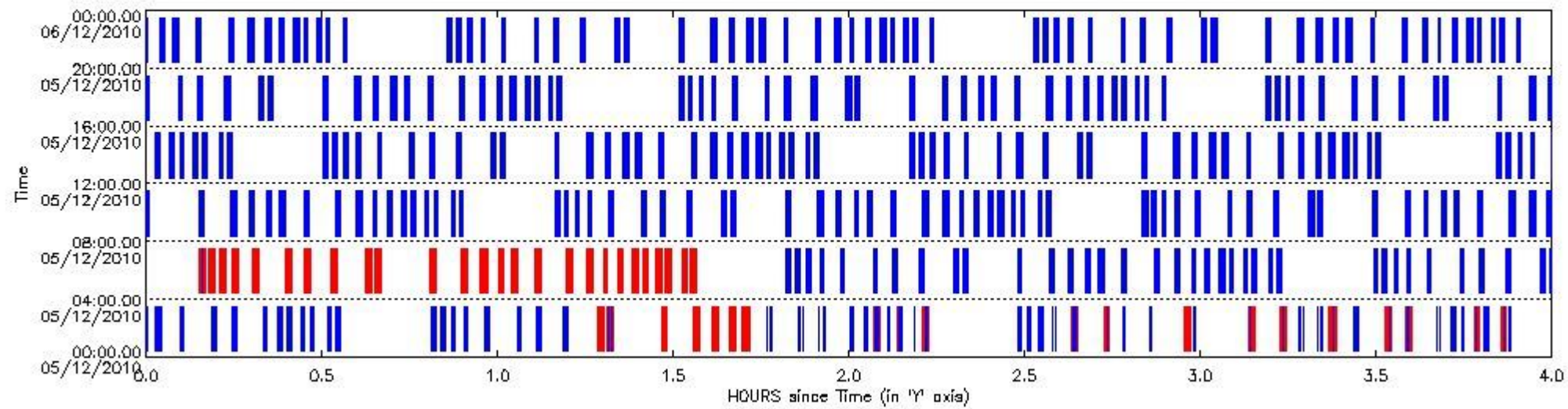
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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).



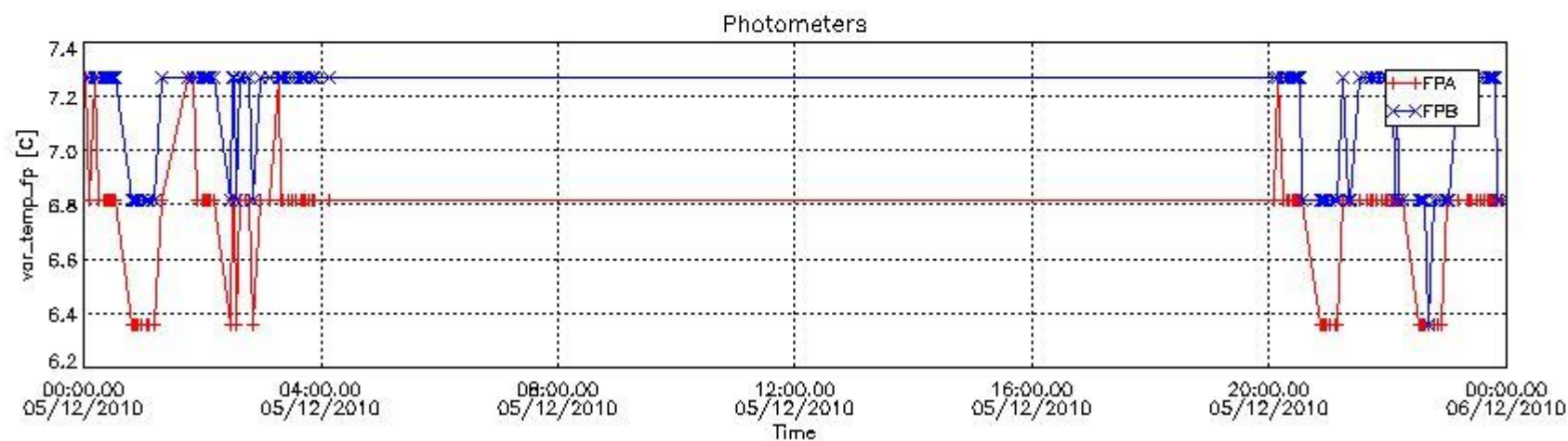
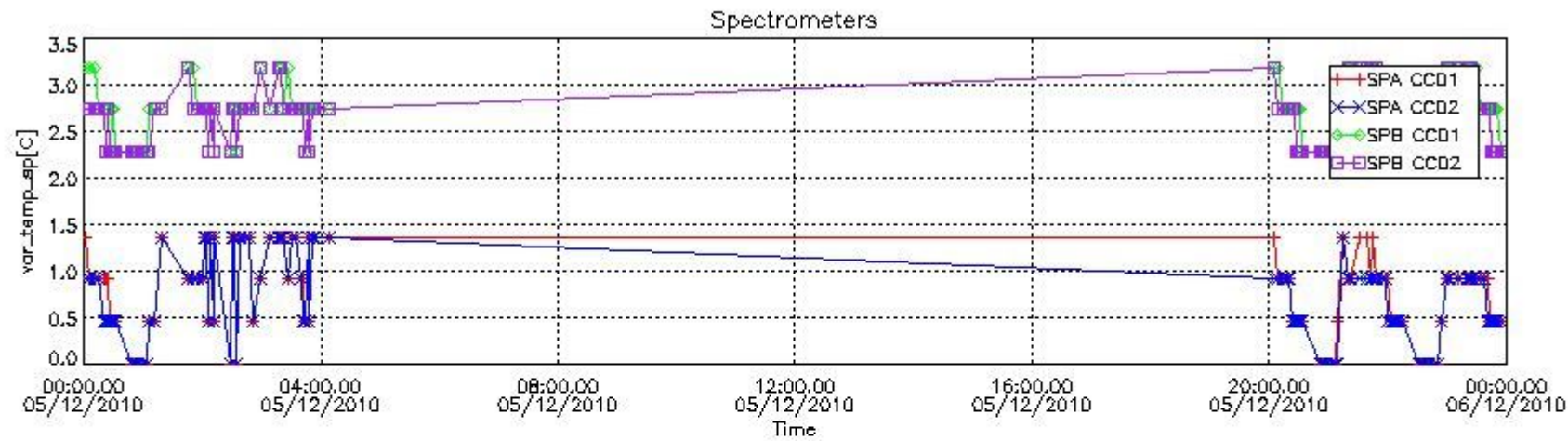
### 2.3 Summary of missing occultations (red segments in previous plot)

UTC start time	Star name	Star ID	Orbit
05-DEC-2010 01:16:55	4GamCrv	100	45821
05-DEC-2010 01:18:31	2EpsCrv	171	45821
05-DEC-2010 01:27:54	MuVel	113	45822
05-DEC-2010 01:33:20	DSA1030	0	45822
05-DEC-2010 01:36:32	Gam2Vel	34	45822
05-DEC-2010 01:39:34	AlpCar	2	45822
05-DEC-2010 01:41:41	PiPup	117	45822
05-DEC-2010 02:04:14	25EtaTau	146	45822
05-DEC-2010 02:08:05	3IotAur	114	45822
05-DEC-2010 02:12:23	13AlpAur	6	45822
05-DEC-2010 02:32:15	77EpsUMa	32	45822
05-DEC-2010 02:37:56	12Alp2CVn	152	45822
05-DEC-2010 02:43:32	8EtaBoo	111	45822
05-DEC-2010 02:57:10	4GamCrv	100	45822
05-DEC-2010 03:08:09	MuVel	113	45823









#### 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).

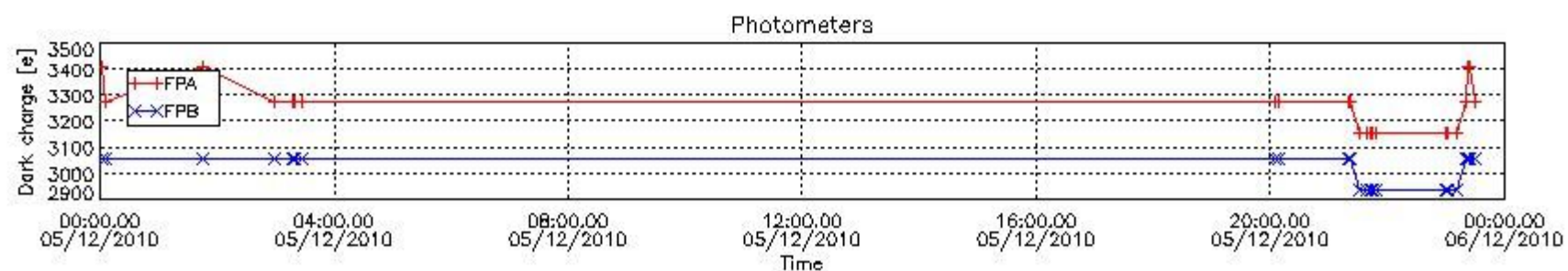
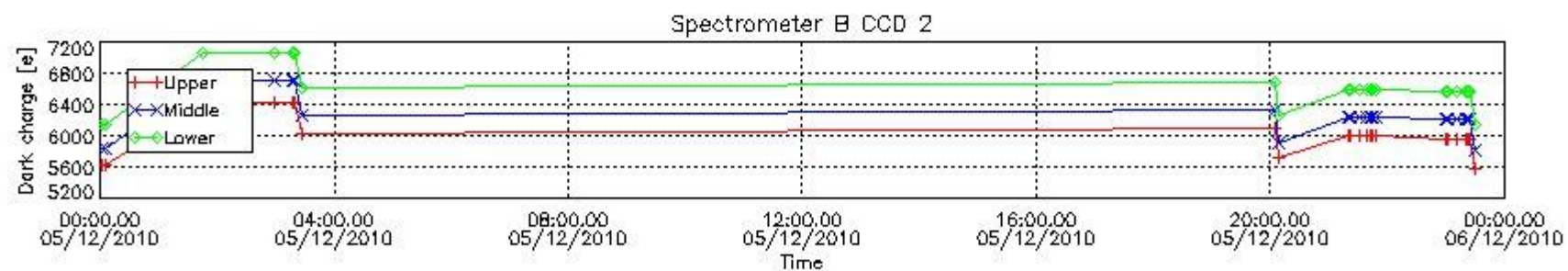
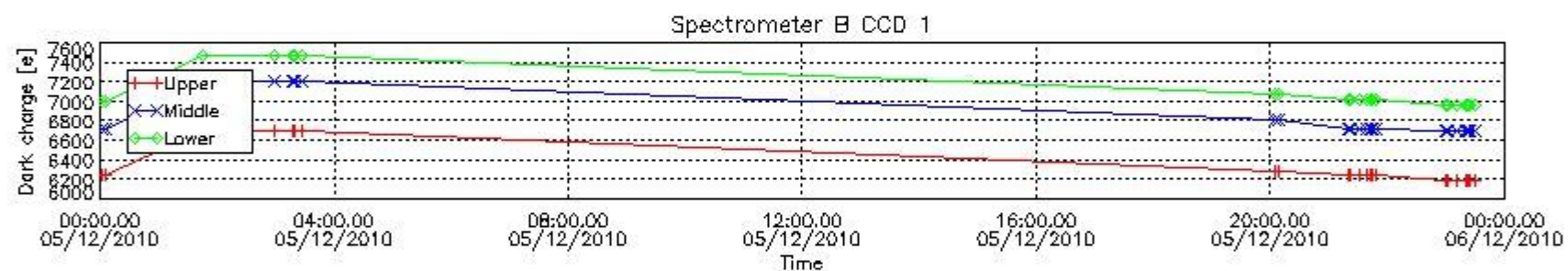
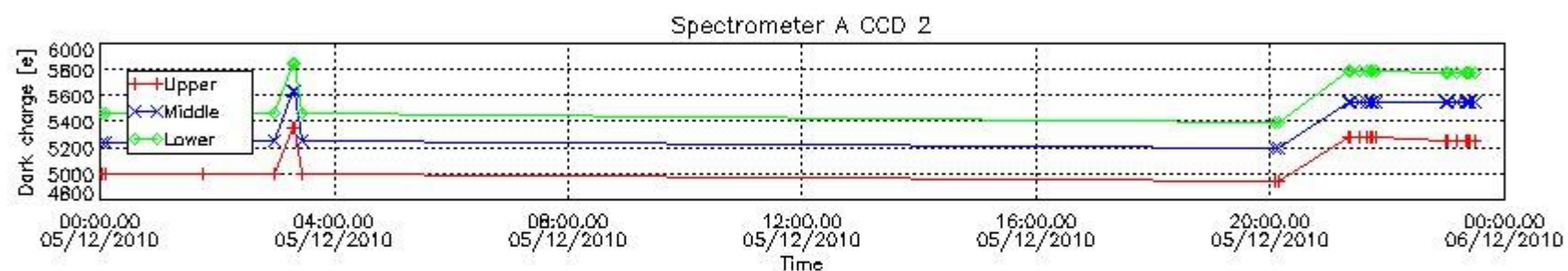
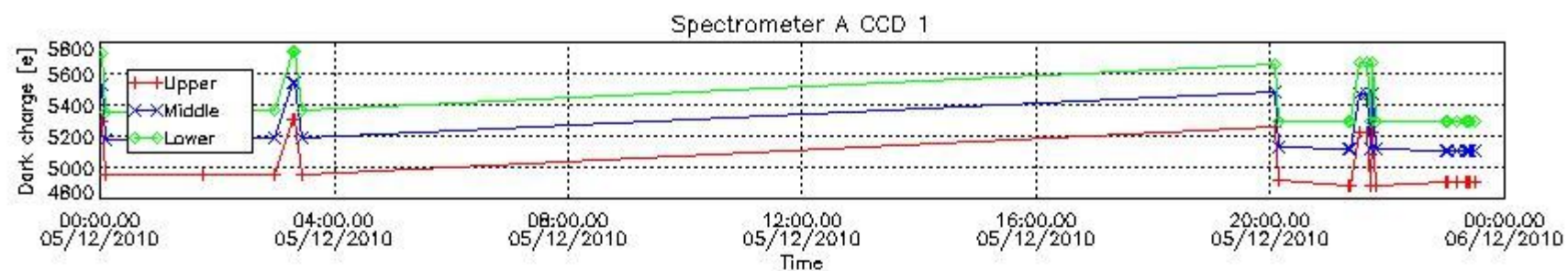
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20101205_011835_000000543097_00117_45821_3793.N1	DC map with no T dep.
GOM_TRA_1PNPDE20101205_040904_000000313097_00119_45823_3884.N1	DC map with no T dep.
GOM_TRA_1PNPDE20101205_200428_000000583097_00129_45833_4098.N1	DC map used
GOM_TRA_1PNPDE20101205_200834_000000443097_00129_45833_4099.N1	DC map used
GOM_TRA_1PNPDE20101205_201358_000000533097_00129_45833_4100.N1	DC map used
GOM_TRA_1PNPDE20101205_201721_000000623097_00129_45833_4101.N1	DC map used
GOM_TRA_1PNPDE20101205_202019_000000573097_00129_45833_4102.N1	DC map used
GOM_TRA_1PNPDE20101205_202236_000000543097_00129_45833_4103.N1	DC map used
GOM_TRA_1PNPDE20101205_202503_000000593097_00129_45833_4104.N1	DC map used
GOM_TRA_1PNPDE20101205_202652_000000373097_00129_45833_4105.N1	DC map used
GOM_TRA_1PNPDE20101205_202909_000000393097_00129_45833_4106.N1	DC map used
GOM_TRA_1PNPDE20101205_203038_000000443097_00129_45833_4107.N1	DC map used
GOM_TRA_1PNPDE20101205_203337_000000373097_00129_45833_4108.N1	DC map used
GOM_TRA_1PNPDE20101205_205120_000000473097_00129_45833_4109.N1	DC map used

GOM_TRA_1PNPDE20101205_205254_000000473097_00129_45833_4110.N1	DC map used
GOM_TRA_1PNPDE20101205_205452_000000423097_00129_45833_4111.N1	DC map used
GOM_TRA_1PNPDE20101205_205705_000000373097_00129_45833_4112.N1	DC map used
GOM_TRA_1PNPDE20101205_210035_000000403097_00129_45833_4113.N1	DC map used
GOM_TRA_1PNPDE20101205_210613_000000373097_00129_45833_4114.N1	DC map used
GOM_TRA_1PNPDE20101205_210929_000000453097_00129_45833_4115.N1	DC map used

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



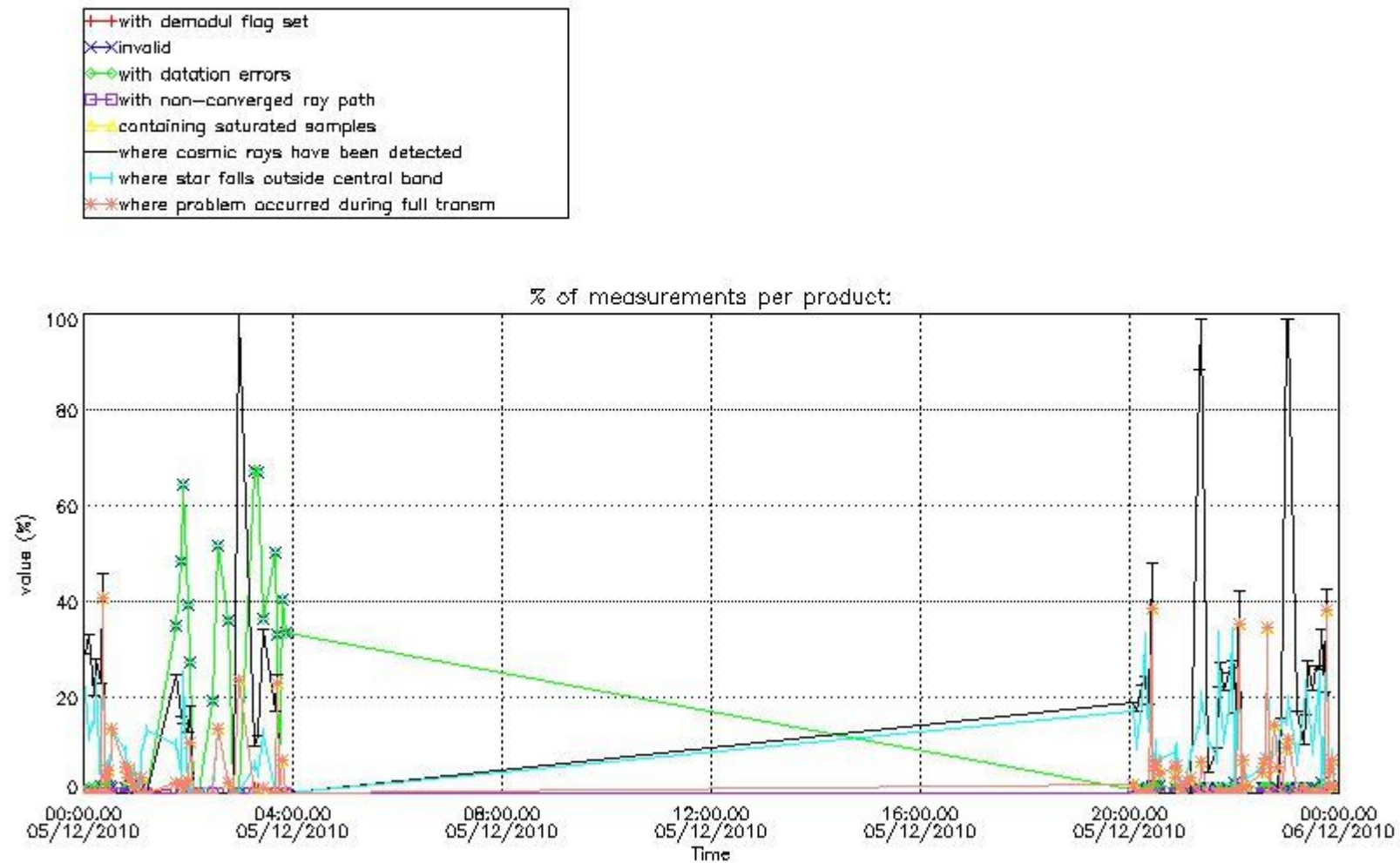
## 5. Demodulation flag and quality information monitoring

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:

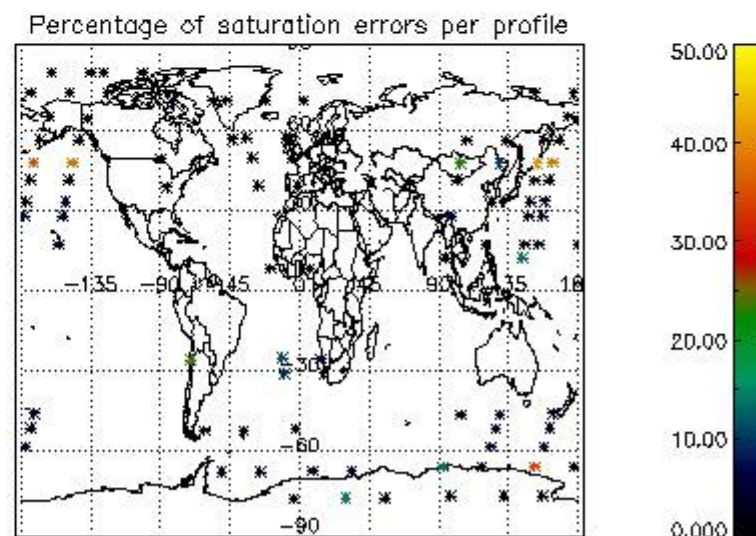
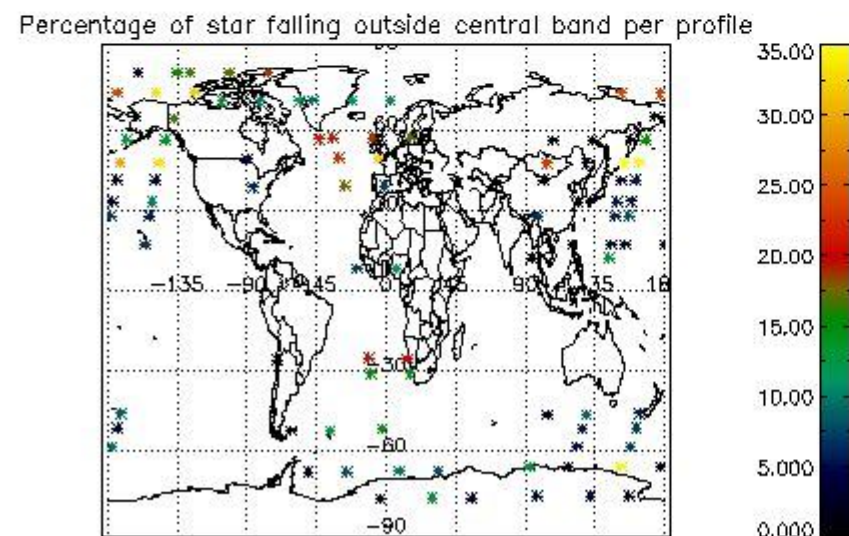
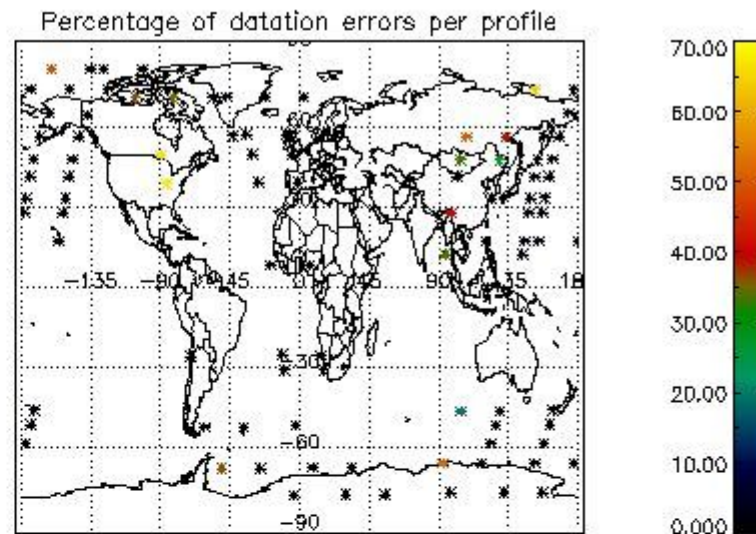
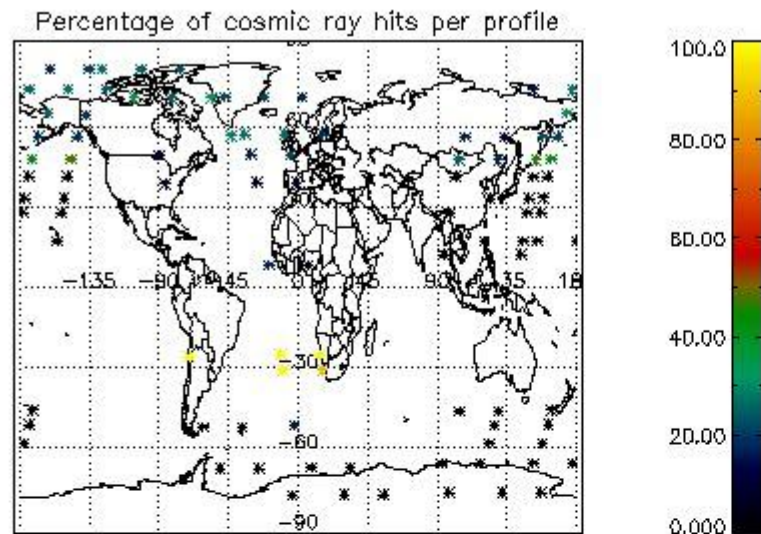
At least one measurement with demodulation flag set:	41.2371 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

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



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





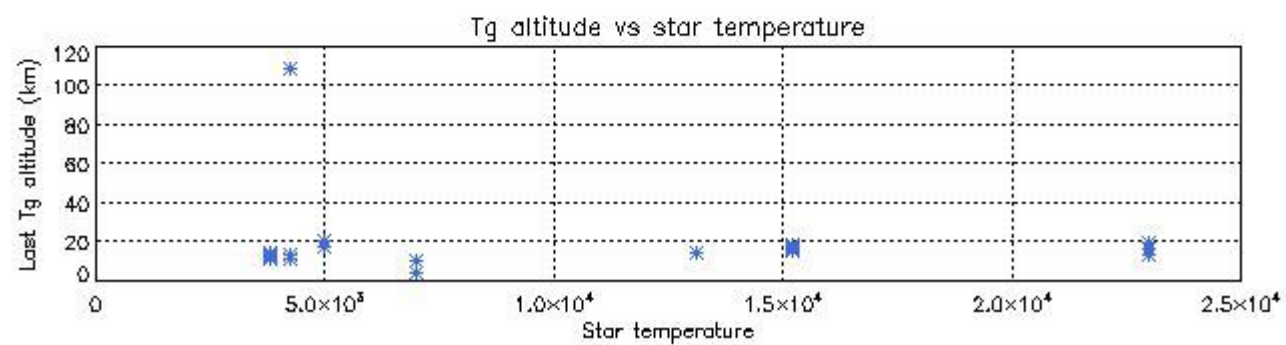
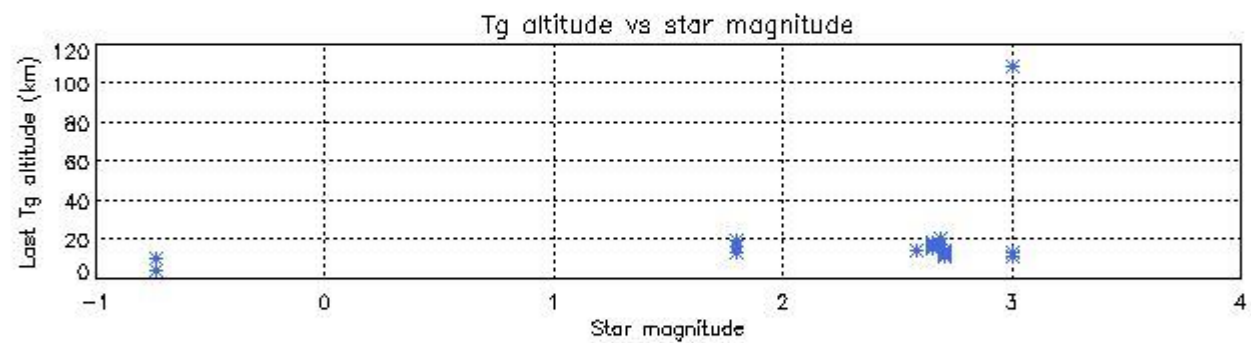
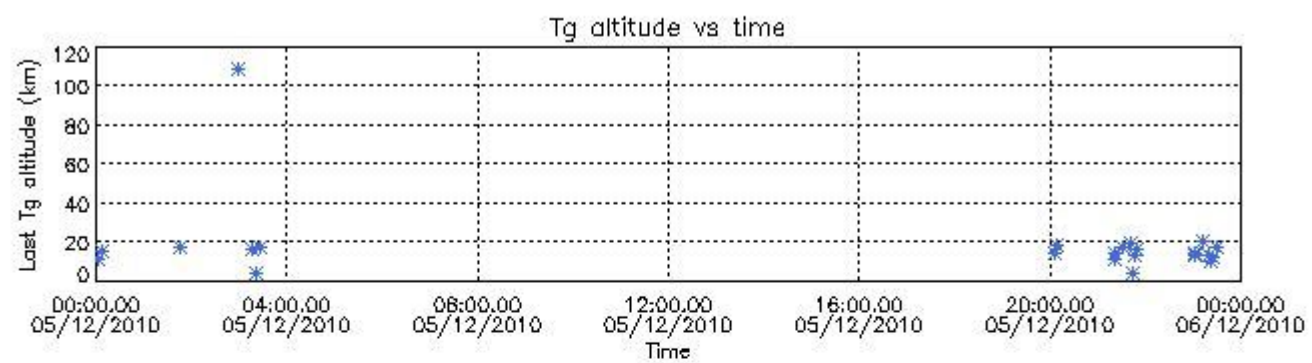
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	18.269	18.476	NaN
St. deviation:	20.104	6.1164	NaN
Maximum:	108.49	26.046	NaN
Minimum:	3.6619	3.7321	NaN
Number of data:	23.000	48.000	NaN

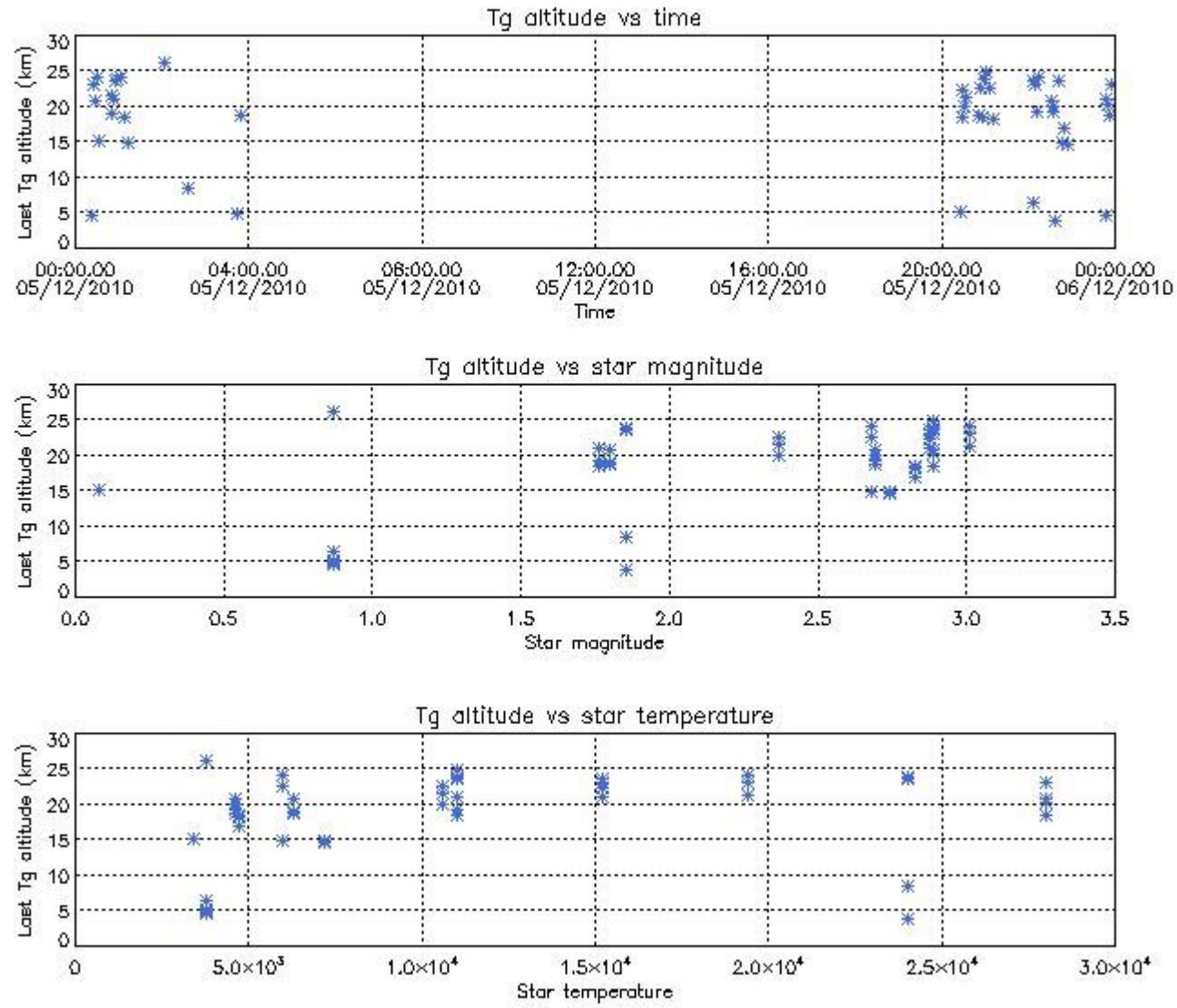
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost

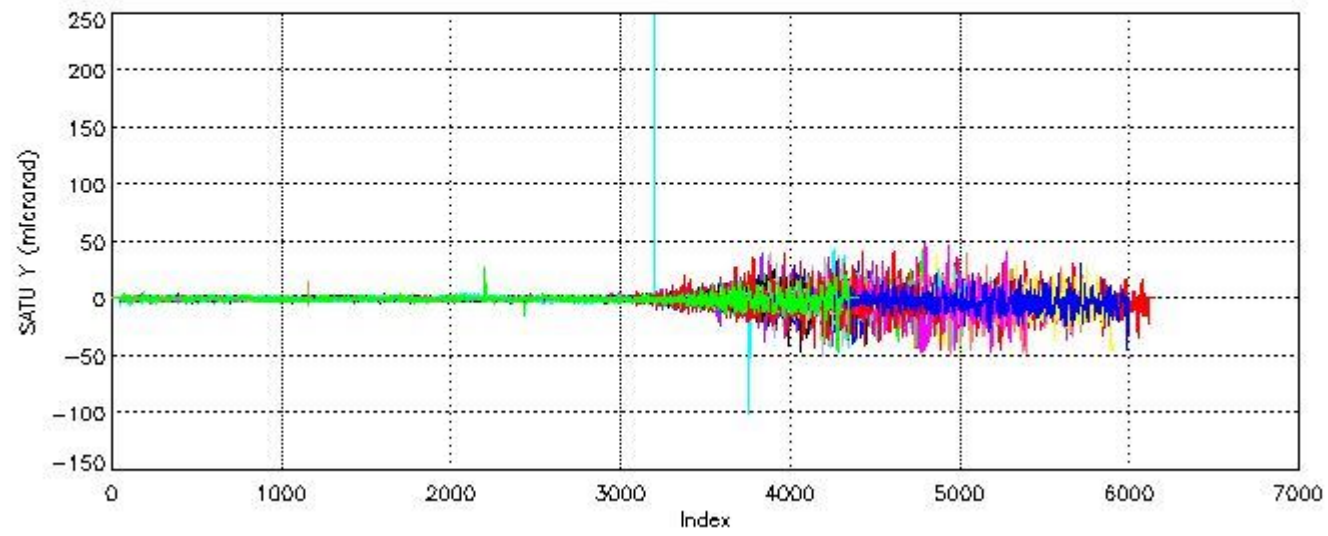
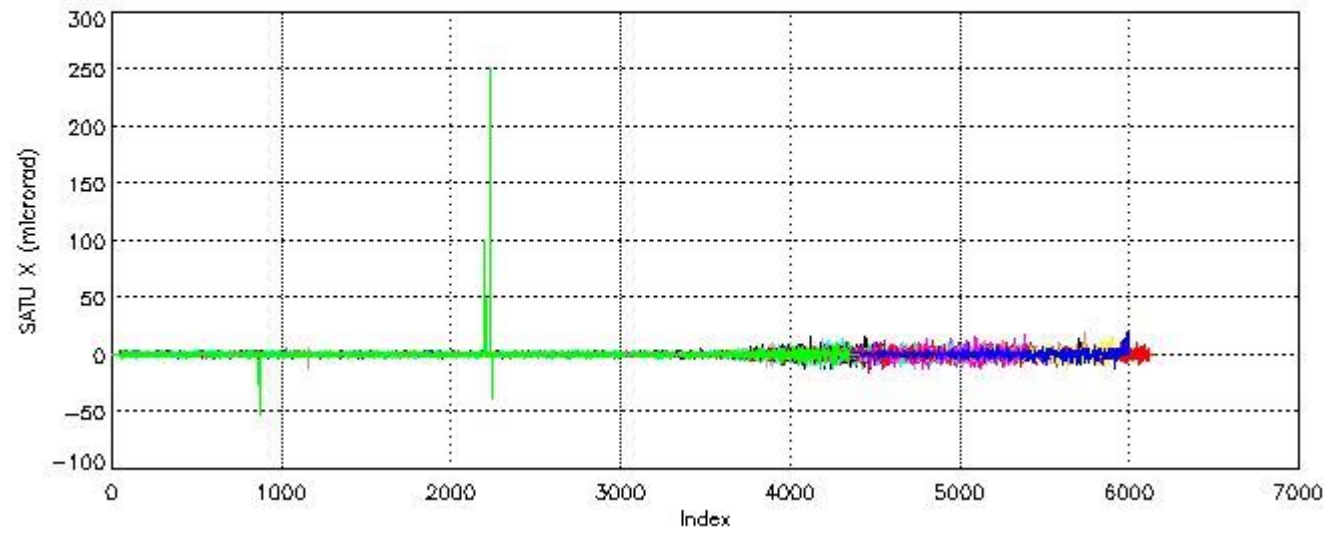


## 7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

### 7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.23815	-0.29789	0.15006	-0.27577
St. deviation:	0.66573	0.88305	0.85296	1.0484
Maximum:	5.5000	15.000	5.8000	6.4000
Minimum:	-51.800	-6.0000	-5.6000	-7.9000

Number of data:	25600.	25600.	46550.	46550.
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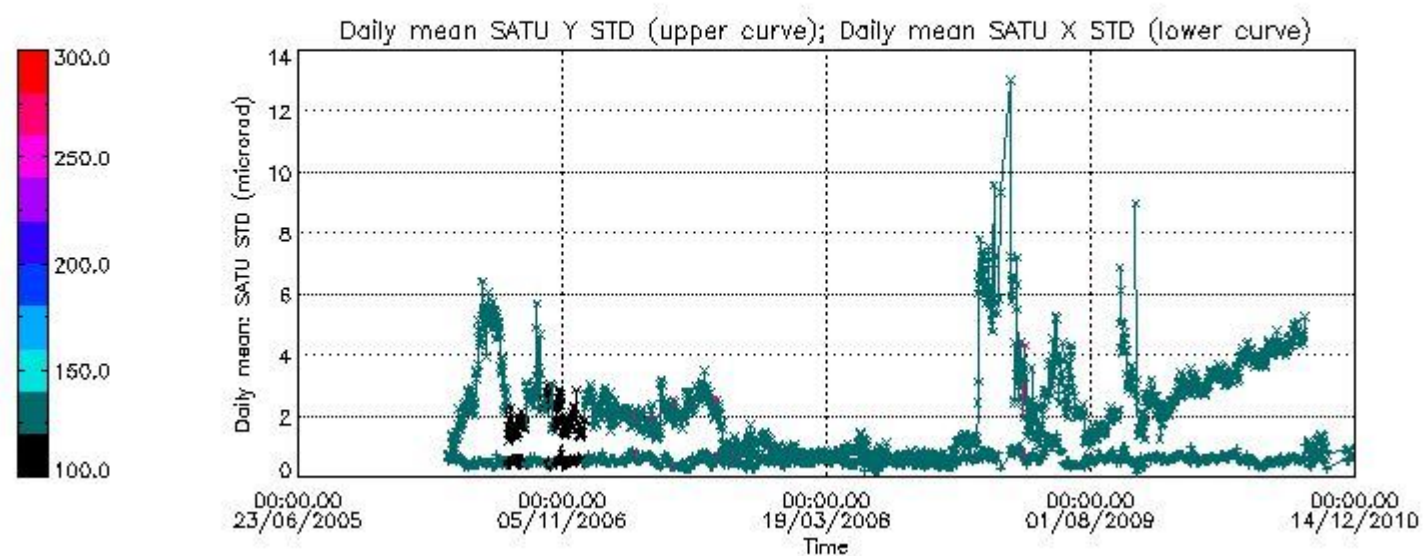
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

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

Upper curve: STD of SATU Y axis

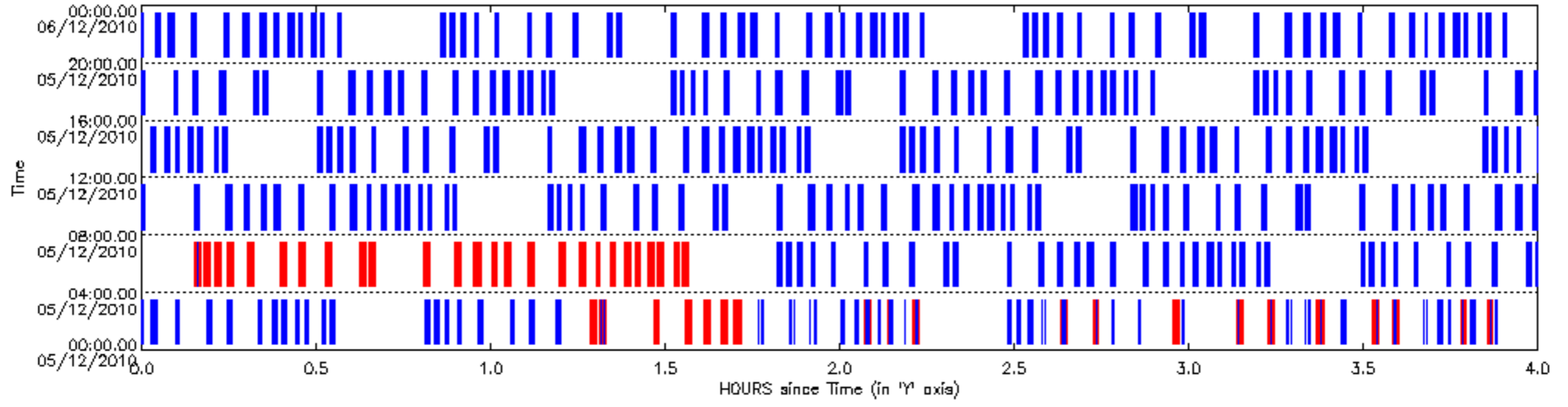
Lower curve: STD of SATU X axis

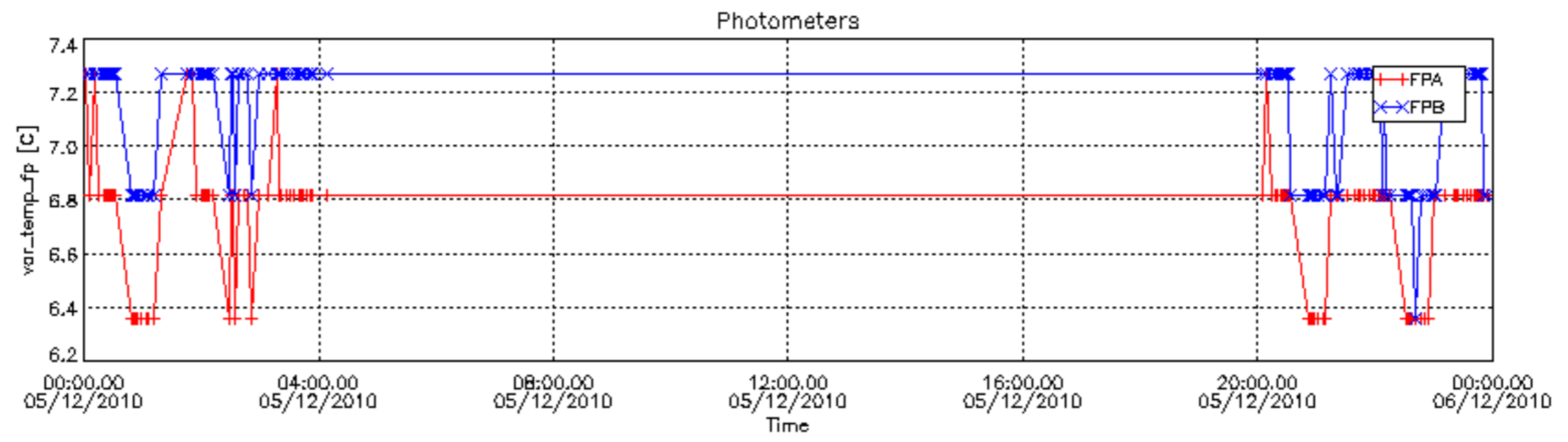
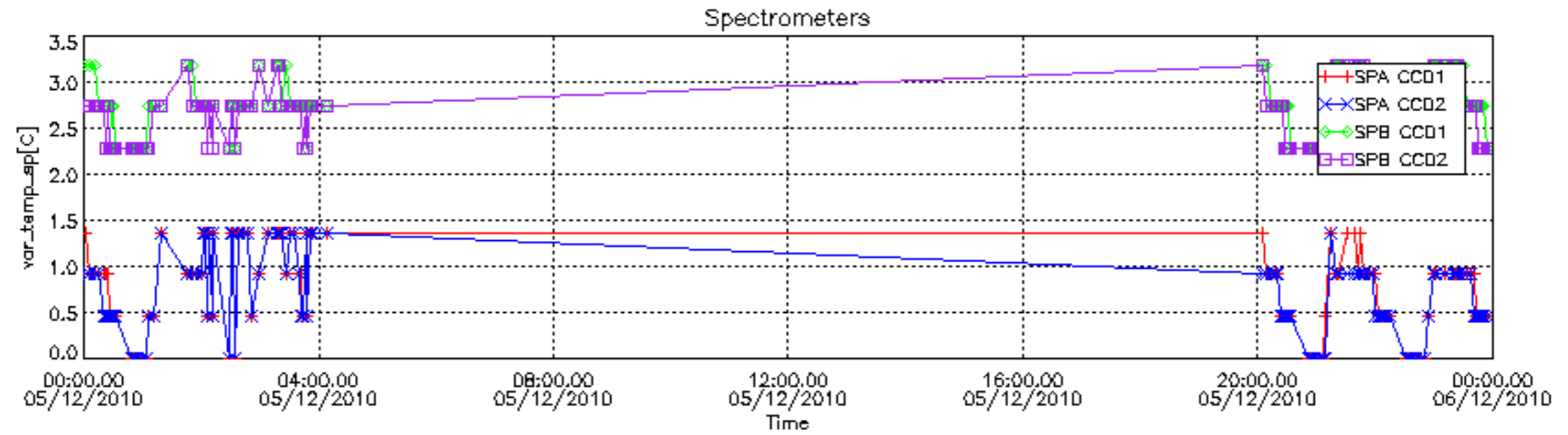


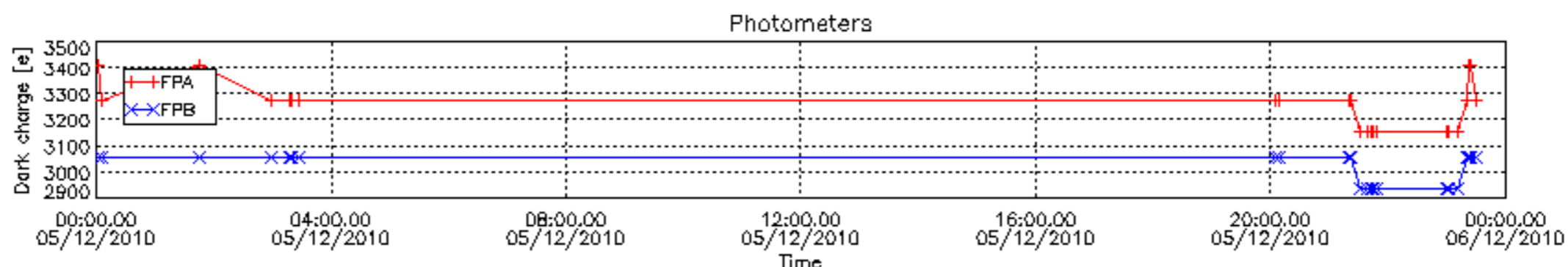
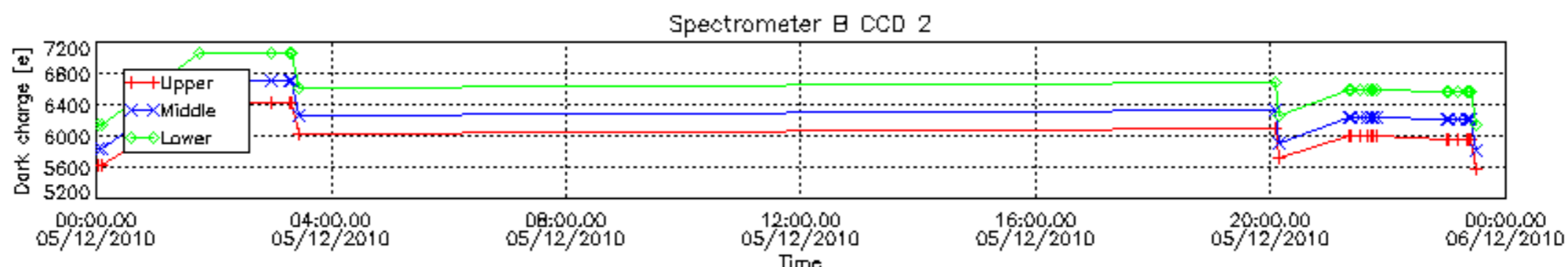
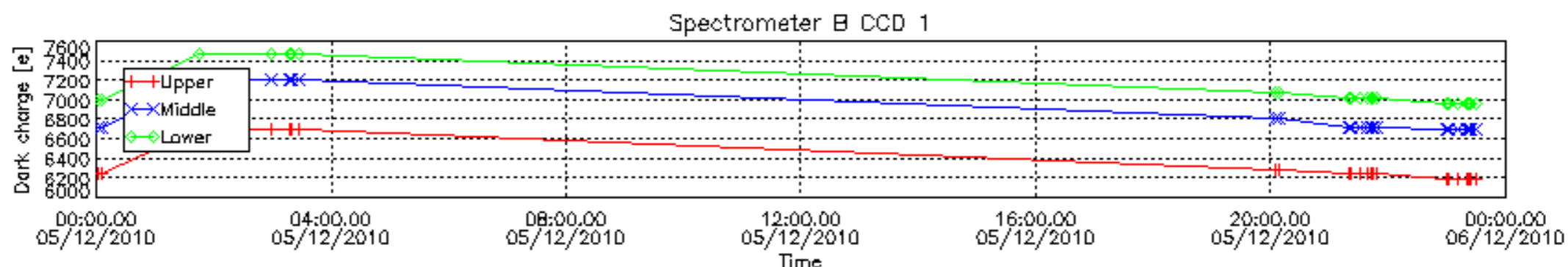
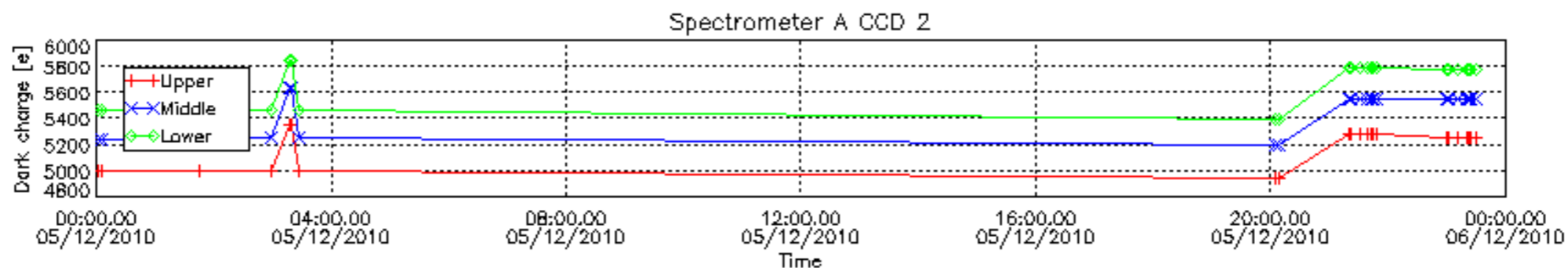
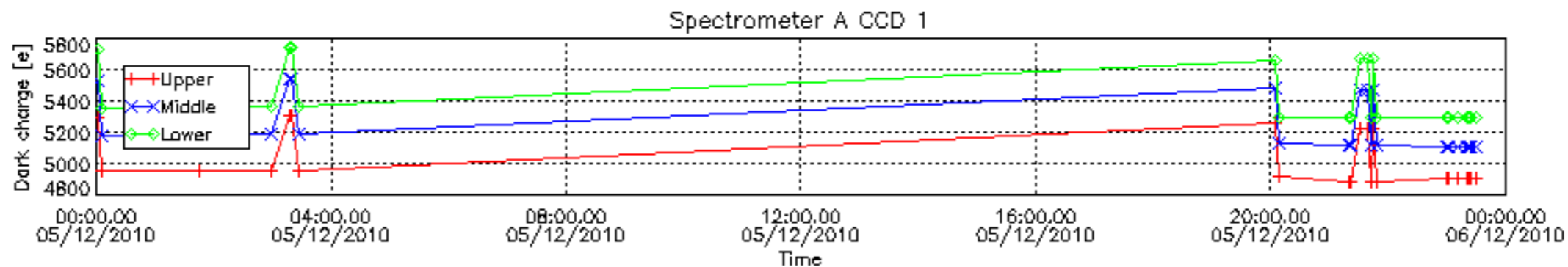
### 8. Auxiliary Data Files used for the production reported in section 2.4

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

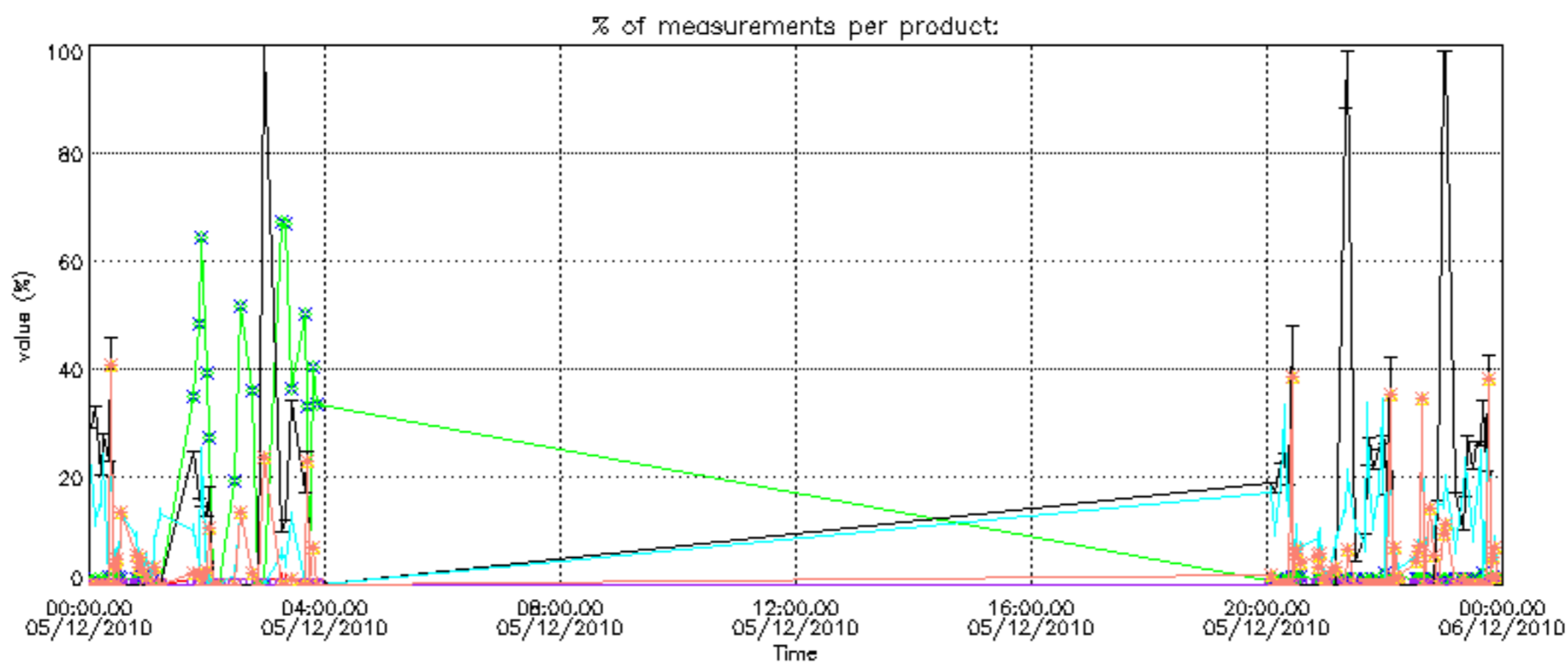
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	05-DEC-2010 00:01:30
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20101201_093519_20101129_000000_20500101_000000	1	05-DEC-2010 00:01:30
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	05-DEC-2010 00:01:30
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	05-DEC-2010 00:01:30
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	05-DEC-2010 00:01:30
ECMWF_FILE	AUX_ECF_AXNECM20101204_062116_20101204_210000_20101205_090000	1	05-DEC-2010 00:01:30
ECMWF_FILE	AUX_ECF_AXNECM20101204_174118_20101205_030000_20101205_150000	54	05-DEC-2010 04:09:04
ECMWF_FILE	AUX_ECF_AXNECM20101205_054115_20101205_150000_20101206_030000	55	05-DEC-2010 20:04:28
ECMWF_FILE	AUX_ECF_AXNECM20101205_054115_20101205_210000_20101206_090000	73	05-DEC-2010 21:14:04
OPTIONAL_ECMWF_FILE	MISSING	1	05-DEC-2010 00:01:30
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101204_233216_000054193097_00116_45820_2058.N1	1	05-DEC-2010 00:01:30
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20101203_222115_20101203_192138_20101213_213532	20	05-DEC-2010 01:18:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101205_020102_000066953097_00118_45822_2059.N1	21	05-DEC-2010 01:45:55
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20101203_222115_20101203_192138_20101213_213532	54	05-DEC-2010 04:09:04
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101205_195936_000041443097_00129_45833_2062.N1	55	05-DEC-2010 20:04:28
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101205_211359_000057383097_00129_45833_2063.N1	73	05-DEC-2010 21:14:04
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101205_225456_000057383097_00130_45834_2064.N1	98	05-DEC-2010 23:00:14



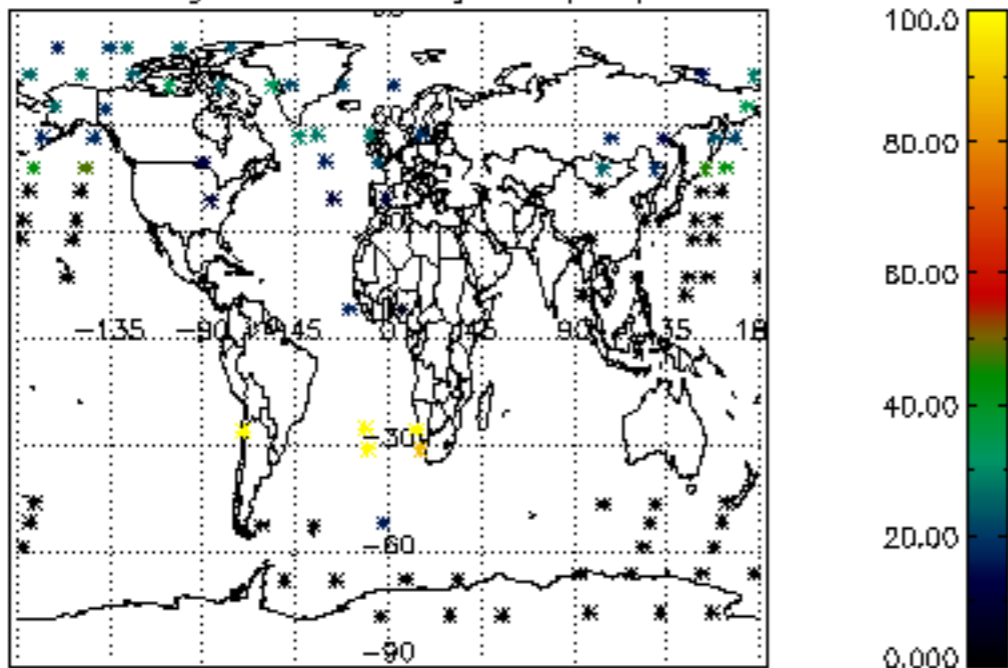




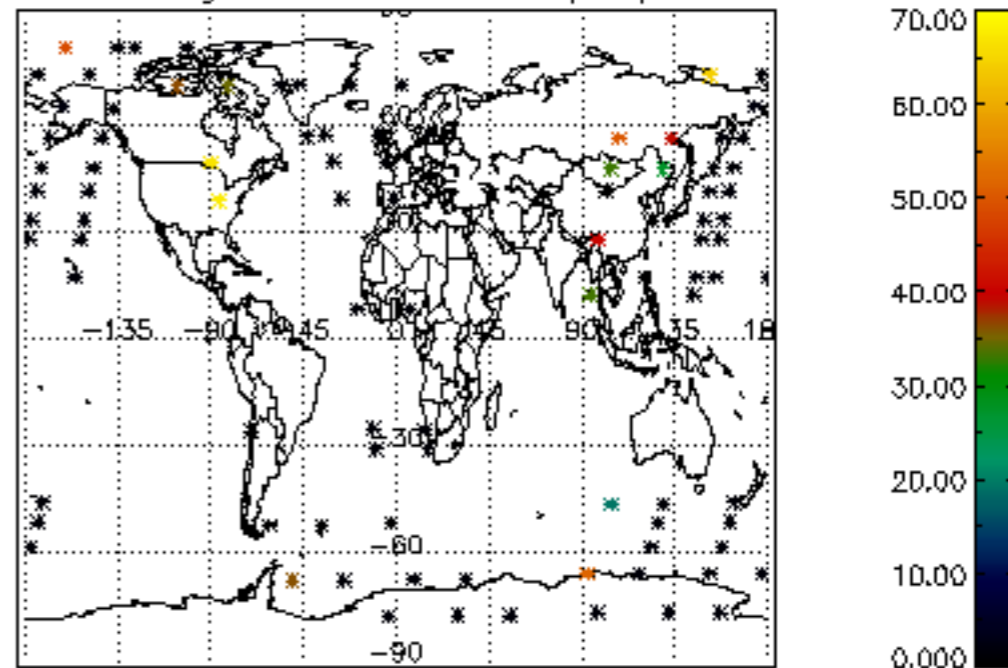




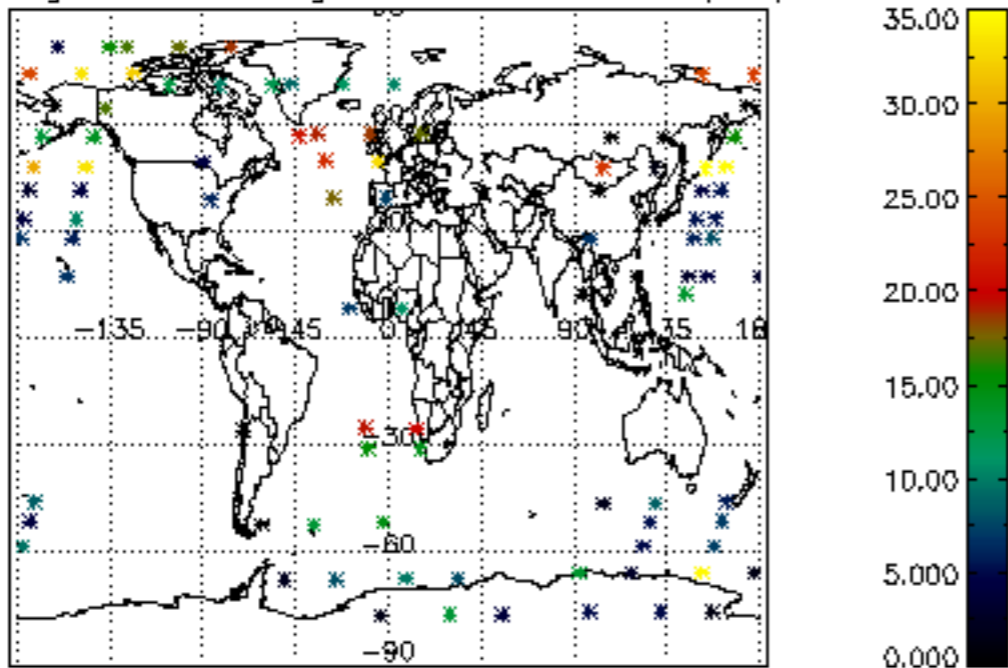
Percentage of cosmic ray hits per profile



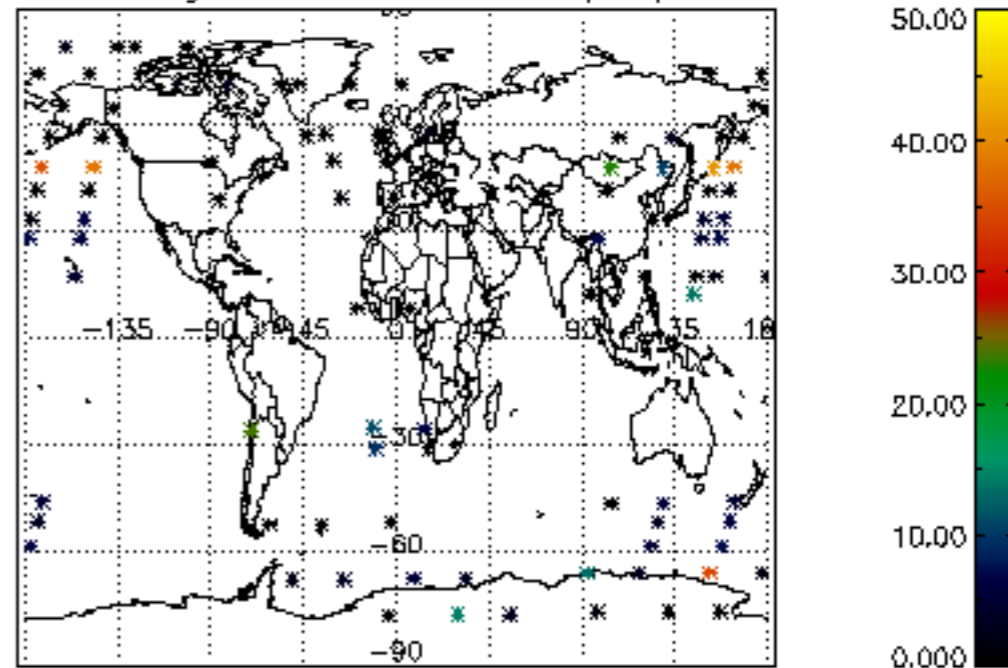
Percentage of datation errors per profile



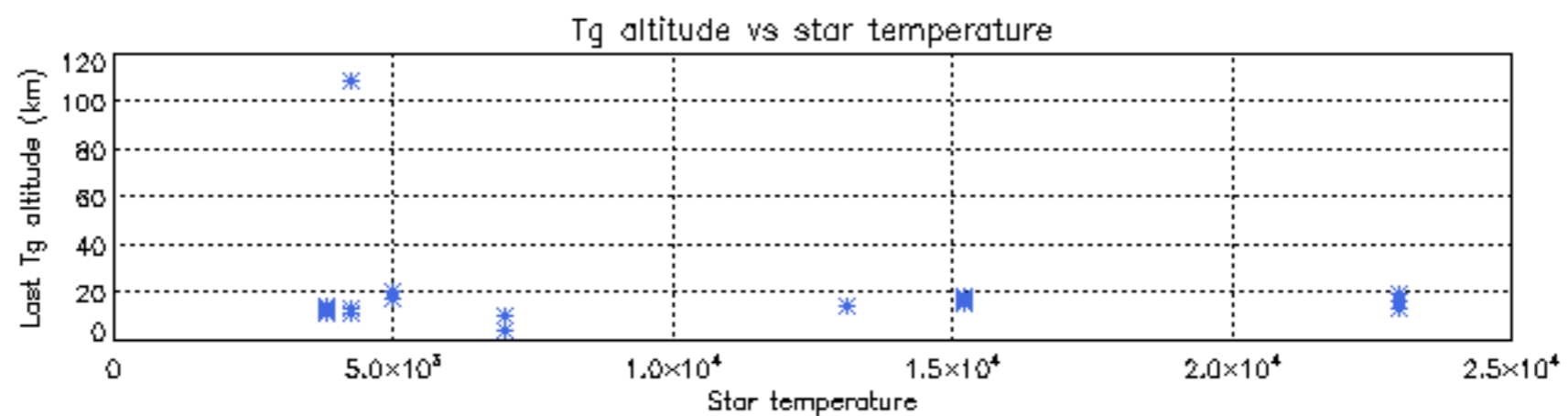
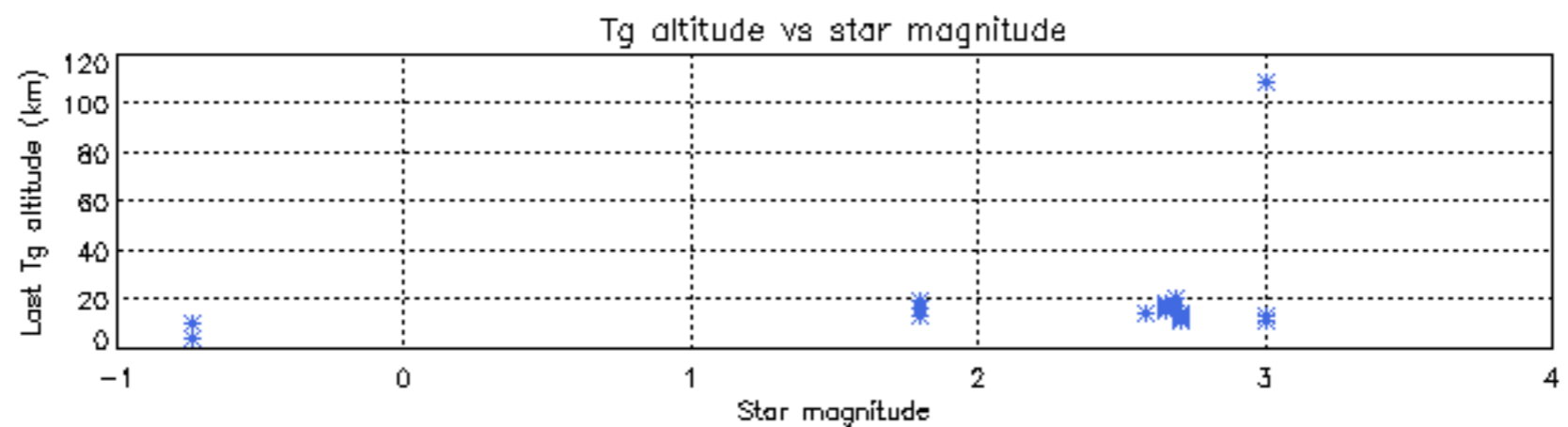
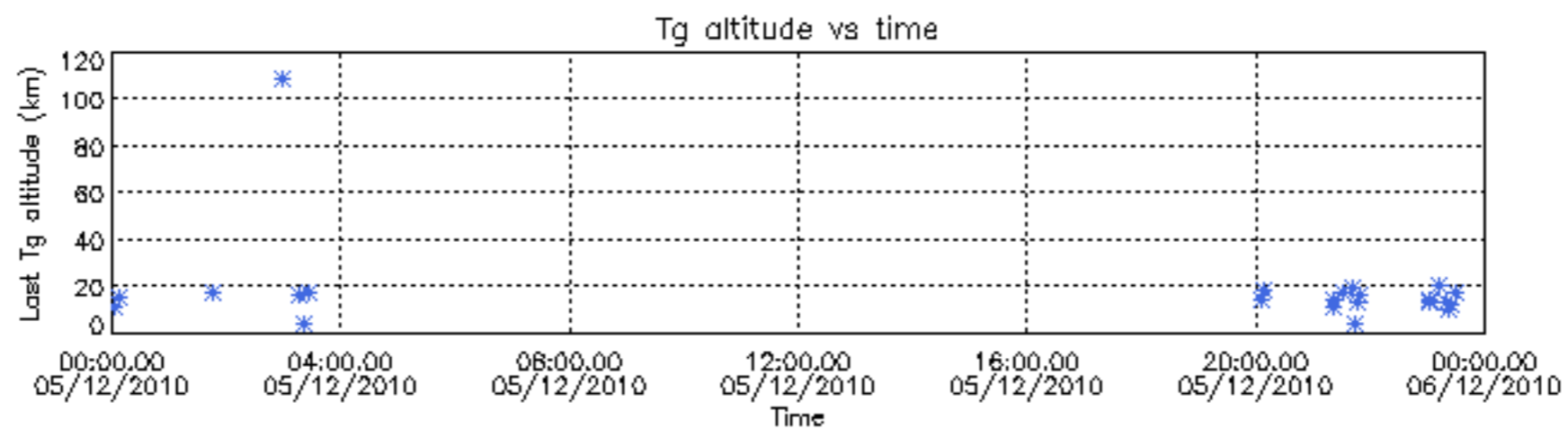
Percentage of star falling outside central band per profile



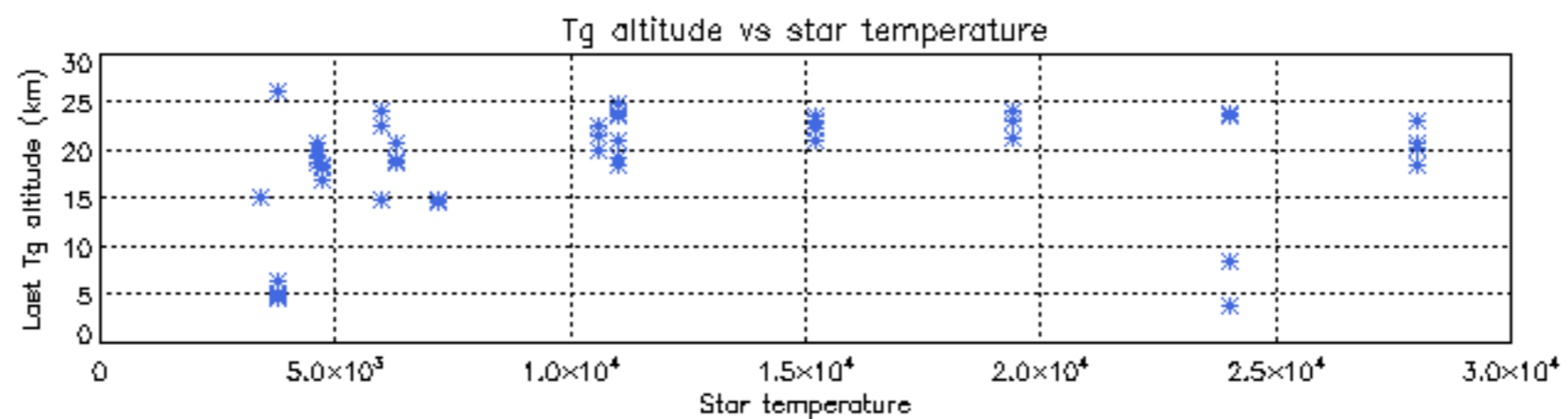
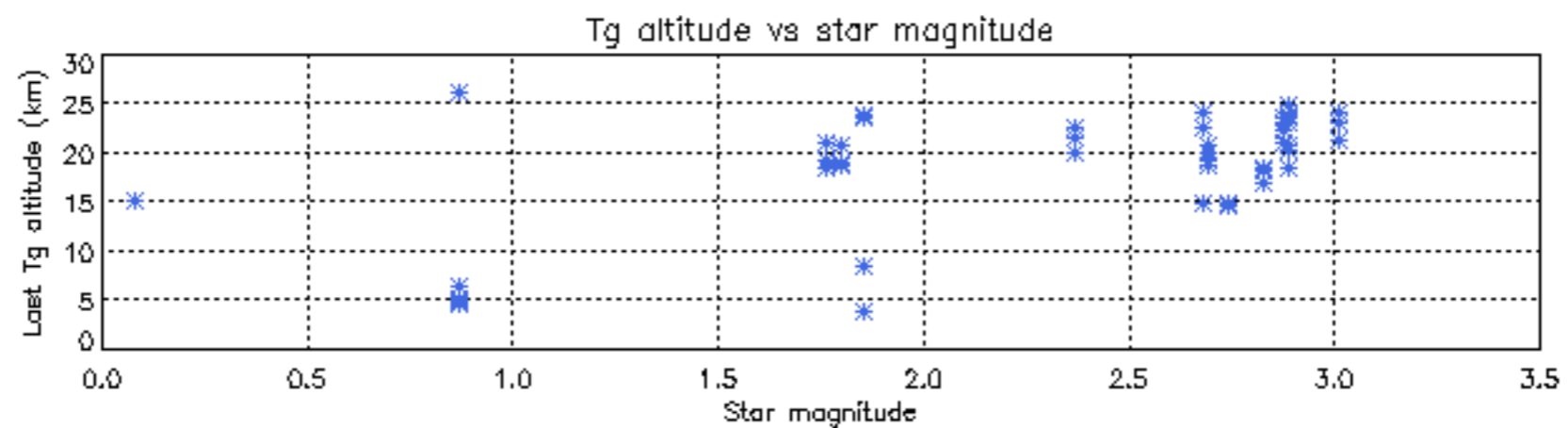
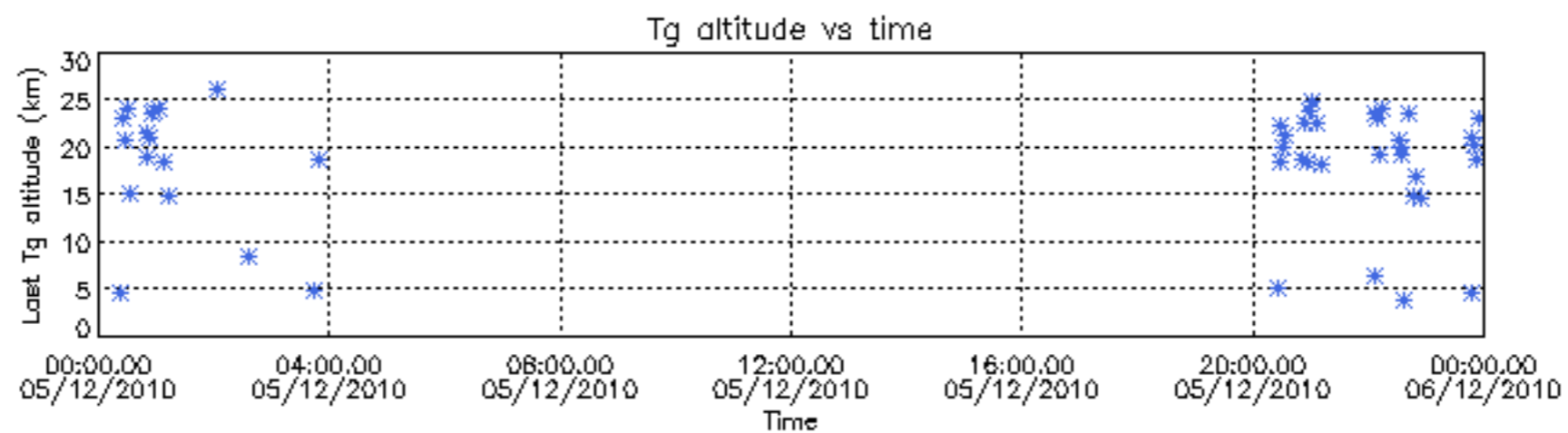
Percentage of saturation errors per profile

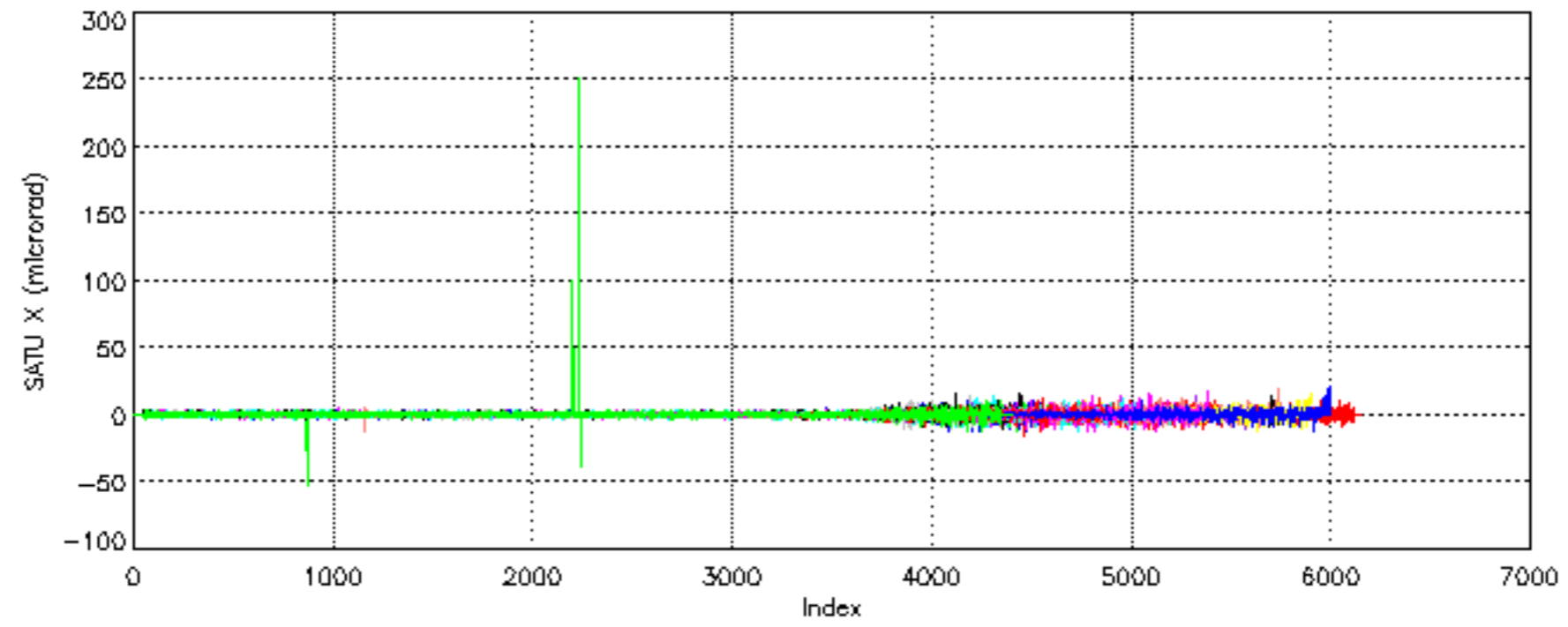


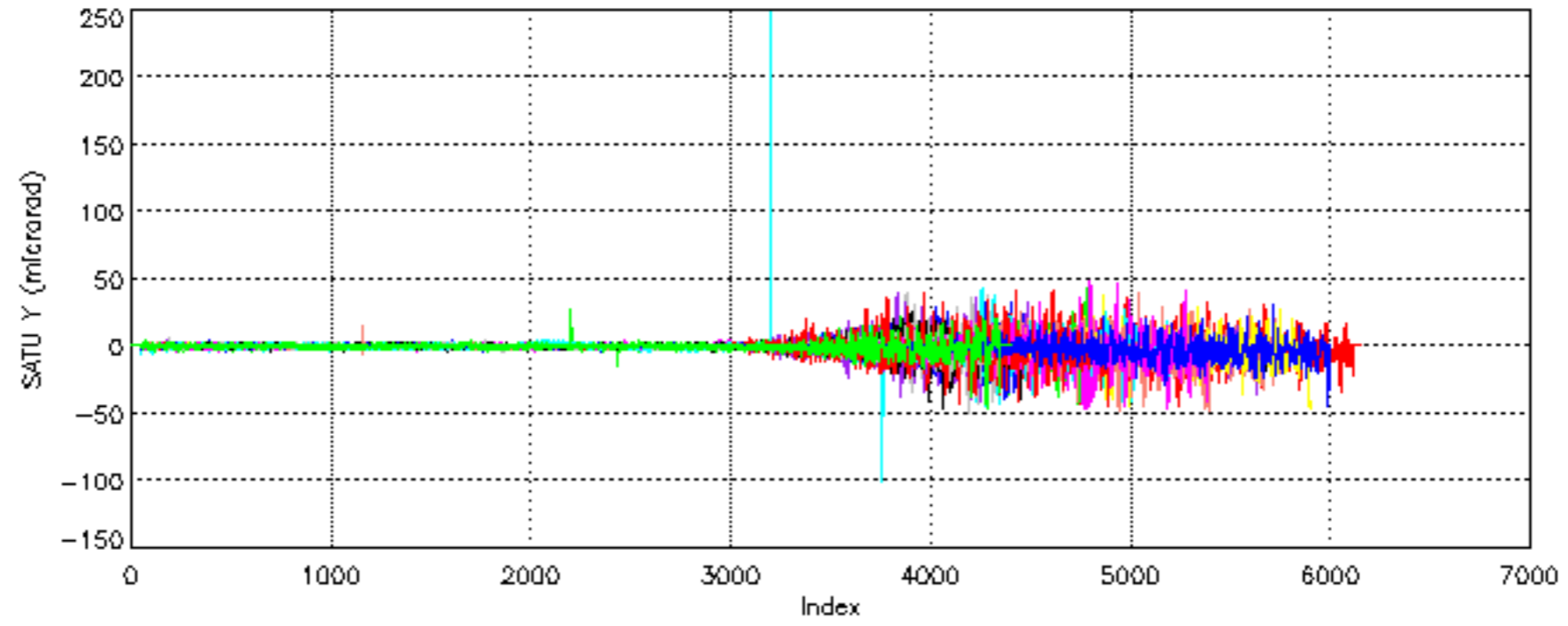
Tangent altitude at which the star is lost

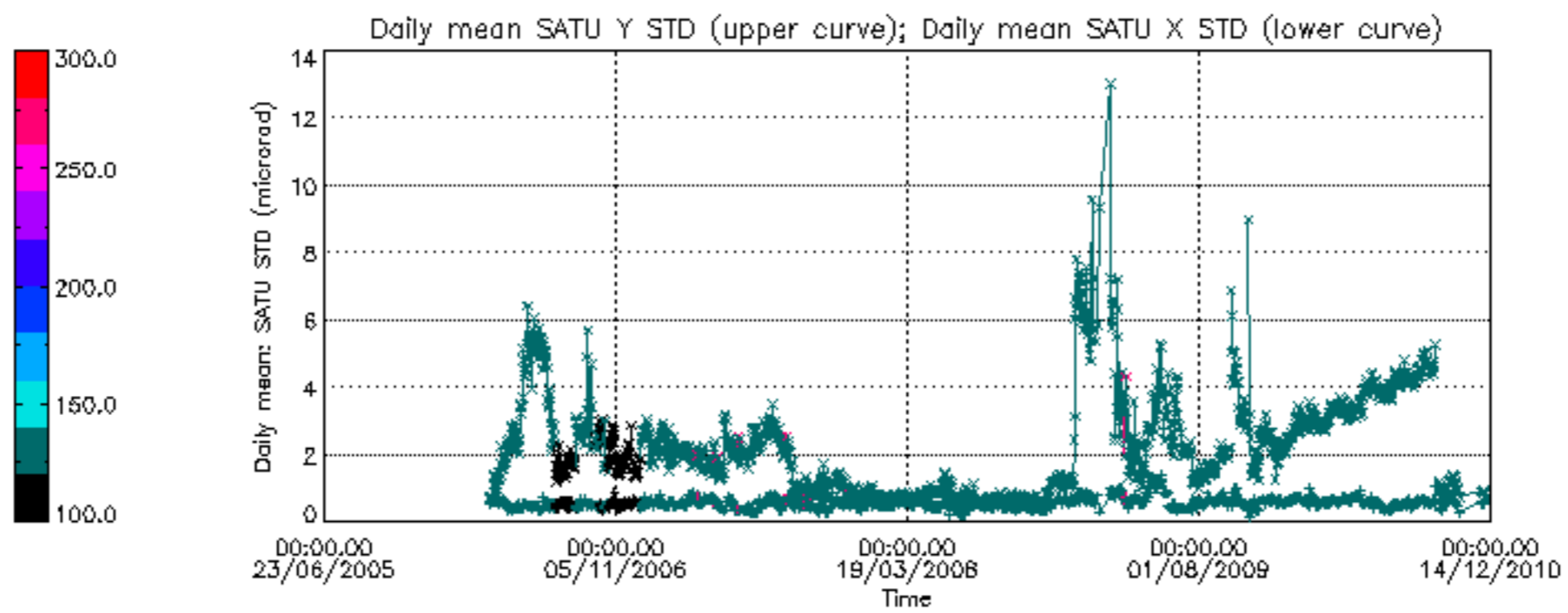


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20101201\_002235\_000056993097\_00059\_45763\_1795.N1

1; -581.2; 01-DEC-2010 00:22:35; Dark ; 49.0; 100; 4Gam Crv ; 2.58; 13100;occ; 98; 0;45763  
 2; -485.7; 01-DEC-2010 00:24:11; Dark ; 52.5; 171; 2Eps Crv ; 3.00; 4250;occ; 105; 0;45763  
 3; 80.8; 01-DEC-2010 00:33:37; Dark ; 42.0; 113; Mu Vel ; 2.69; 5000;occ; 84; 0;45764  
 4; 404.8; 01-DEC-2010 00:39:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45764  
 5; 595.6; 01-DEC-2010 00:42:12; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;45764  
 6; 797.9; 01-DEC-2010 00:45:35; Dark ; 49.0; 2; Alp Car ;-0.74; 7000;occ; 98; 0;45764  
 7; 907.6; 01-DEC-2010 00:47:24; Dark ; 59.5; 117; Pi Pup ; 2.71; 3800;occ; 119; 0;45764  
 8; 1181.6; 01-DEC-2010 00:51:58; Dark ; 47.0; 108; Alp Col ; 2.65; 15200;occ; 94; 0;45764  
 9; 1523.2; 01-DEC-2010 00:57:40; Dark ; 54.5; 101; 11Alp Lep ; 2.58; 7000;occ; 109; 0;45764  
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6; 2215.0; 01-DEC-2010 17:51:32; Dark ; 63.0; 13; 87Alp Tau ; 0.87; 3800;occ; 126; 0;45774  
7; 2313.3; 01-DEC-2010 17:53:10; Bright; 39.5; 146; 25Eta Tau ; 2.87; 15200;occ; 79; 0;45774  
8; 2454.3; 01-DEC-2010 17:55:31; Bright; 39.0; 150; 44Zet Per ; 2.89; 28000;occ; 78; 0;45774  
9; 2599.0; 01-DEC-2010 17:57:56; Bright; 37.0; 149; 45Eps Per ; 2.89; 30000;occ; 74; 0;45774  
10; 2720.7; 01-DEC-2010 17:59:58; Bright; 37.5; 175; 39Del Per ; 3.01; 19400;occ; 75; 0;45774  
11; 2825.4; 01-DEC-2010 18:01:42; Bright; 50.0; 6; 13Alp Aur ; 0.08; 3400;occ; 100; 0;45774  
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13; 3797.8; 01-DEC-2010 18:17:55; Bright; 42.5; 36; 50Alp UMa ; 1.80; 6300;occ; 85; 0;45774  
14; 3893.2; 01-DEC-2010 18:19:30; Bright; 48.5; 82; 48Bet UMa ; 2.37; 10600;occ; 97; 0;45774  
15; 3993.5; 01-DEC-2010 18:21:11; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;45774  
16; 4162.4; 01-DEC-2010 18:23:59; Bright; 40.0; 174; 52Psi UMa ; 3.00; 4400;occ; 80; 0;45774  
17; 4327.0; 01-DEC-2010 18:26:44; Bright; 39.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 79; 0;45774  
18; 4903.7; 01-DEC-2010 18:36:21; Bright; 60.5; 62; 94Bet Leo ; 2.14; 9700;occ; 121; 0;45774  
19; 5101.3; 01-DEC-2010 18:39:38; Bright; 44.5; 121; 29Gam Vir ; 2.74; 7200;occ; 89; 0;45774  
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21; 5537.5; 01-DEC-2010 18:46:55; Dark ; 47.0; 171; 2Eps Crv ; 3.00; 4250;occ; 94; 0;45774  
22; 6103.7; 01-DEC-2010 18:56:21; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;45775  
23; 6428.1; 01-DEC-2010 19:01:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45775  
24; 6619.6; 01-DEC-2010 19:04:57; Dark ; 49.0; 34; Gam2Vel ; 1.79; 23000;occ; 98; 0;45775  
25; 6817.8; 01-DEC-2010 19:08:15; Dark ; 58.0; 2; Alp Car ; -0.74; 7000;occ; 116; 0;45775  
26; 6931.0; 01-DEC-2010 19:10:08; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;45775

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2; 1186.4; 01-DEC-2010 19:14:38; Dark ; 48.5; 108; Alp Col ; 2.65; 15200;occ; 97; 0;45775  
3; 1525.0; 01-DEC-2010 19:20:16; Dark ; 54.5; 101; 11Alp Lep ; 2.58; 7000;occ; 109; 0;45775  
4; 1738.8; 01-DEC-2010 19:23:50; Dark ; 61.0; 7; 19Bet Ori ; 0.10; 14000;occ; 122; 0;45775  
5; 1931.7; 01-DEC-2010 19:27:03; Dark ; 26.0; 72; 34Del Ori ; 2.25; 30000;occ; 52; 0;45775  
6; 2076.6; 01-DEC-2010 19:29:28; Dark ; 40.0; 27; 24Gam Ori ; 1.64; 26000;occ; 80; 0;45775  
7; 2214.7; 01-DEC-2010 19:31:46; Dark ; 55.5; 13; 87Alp Tau ; 0.87; 3800;occ; 111; 0;45775  
8; 2313.2; 01-DEC-2010 19:33:24; Bright; 39.0; 146; 25Eta Tau ; 2.87; 15200;occ; 78; 0;45775  
9; 2454.1; 01-DEC-2010 19:35:45; Bright; 38.5; 150; 44Zet Per ; 2.89; 28000;occ; 77; 0;45775  
10; 2598.9; 01-DEC-2010 19:38:10; Bright; 41.5; 149; 45Eps Per ; 2.89; 30000;occ; 83; 0;45775  
11; 2720.6; 01-DEC-2010 19:40:12; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45775  
12; 2824.8; 01-DEC-2010 19:41:56; Bright; 49.5; 6; 13Alp Aur ; 0.08; 3400;occ; 99; 0;45775  
13; 2930.3; 01-DEC-2010 19:43:41; Bright; 49.5; 42; 34Bet Aur ; 1.90; 10200;occ; 99; 0;45775  
14; 3797.5; 01-DEC-2010 19:58:09; Bright; 42.5; 36; 50Alp UMa ; 1.80; 6300;occ; 85; 0;45775  
15; 3892.7; 01-DEC-2010 19:59:44; Bright; 44.0; 82; 48Bet UMa ; 2.37; 10600;occ; 88; 0;45775  
16; 3993.4; 01-DEC-2010 20:01:25; Bright; 37.5; 32; 77Eps UMa ; 1.76; 11000;occ; 75; 0;45775  
17; 4162.0; 01-DEC-2010 20:04:13; Bright; 40.0; 174; 52Psi UMa ; 3.00; 4400;occ; 80; 0;45775  
18; 4327.0; 01-DEC-2010 20:06:58; Bright; 39.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 78; 0;45775  
19; 4904.4; 01-DEC-2010 20:16:36; Bright; 56.5; 62; 94Bet Leo ; 2.14; 9700;occ; 113; 0;45775  
20; 5101.7; 01-DEC-2010 20:19:53; Bright; 42.5; 121; 29Gam Vir ; 2.74; 7200;occ; 85; 0;45775  
21; 5442.6; 01-DEC-2010 20:25:34; Dark ; 47.0; 100; 4Gam Crv ; 2.58; 13100;occ; 94; 0;45775  
22; 5538.2; 01-DEC-2010 20:27:09; Dark ; 47.5; 171; 2Eps Crv ; 3.00; 4250;occ; 95; 0;45775  
23; 6104.4; 01-DEC-2010 20:36:36; Dark ; 42.0; 113; Mu Vel ; 2.69; 5000;occ; 84; 0;45776  
24; 6428.9; 01-DEC-2010 20:42:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45776  
25; 6620.3; 01-DEC-2010 20:45:11; Dark ; 52.5; 34; Gam2Vel ; 1.79; 23000;occ; 105; 0;45776  
26; 6818.2; 01-DEC-2010 20:48:29; Dark ; 49.0; 2; Alp Car ; -0.74; 7000;occ; 98; 0;45776

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3; 417.4; 02-DEC-2010 01:42:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45779  
4; 608.9; 02-DEC-2010 01:45:56; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;45779  
5; 805.9; 02-DEC-2010 01:49:13; Dark ; 49.5; 2; Alp Car ; -0.74; 7000;occ; 99; 0;45779  
6; 920.4; 02-DEC-2010 01:51:07; Dark ; 63.5; 117; Pi Pup ; 2.71; 3800;occ; 127; 0;45779  
7; 1188.0; 02-DEC-2010 01:55:35; Dark ; 47.5; 108; Alp Col ; 2.65; 15200;occ; 95; 0;45779  
8; 1525.7; 02-DEC-2010 02:01:13; Dark ; 54.5; 101; 11Alp Lep ; 2.58; 7000;occ; 109; 0;45779  
9; 1738.6; 02-DEC-2010 02:04:46; Dark ; 58.5; 7; 19Bet Ori ; 0.10; 14000;occ; 117; 0;45779  
10; 1930.1; 02-DEC-2010 02:07:57; Dark ; 39.0; 72; 34Del Ori ; 2.25; 30000;occ; 78; 0;45779  
11; 2074.7; 02-DEC-2010 02:10:22; Dark ; 53.0; 27; 24Gam Ori ; 1.64; 26000;occ; 106; 0;45779  
12; 2213.6; 02-DEC-2010 02:12:41; Dark ; 60.5; 13; 87Alp Tau ; 0.87; 3800;occ; 121; 0;45779  
13; 2312.7; 02-DEC-2010 02:14:20; Bright; 37.0; 146; 25Eta Tau ; 2.87; 15200;occ; 74; 0;45779

14; 2453.3; 02-DEC-2010 02:16:40; Bright; 39.0; 150; 44Zet Per ; 2.89; 28000;occ; 78; 0;45779  
 15; 2597.9; 02-DEC-2010 02:19:05; Bright; 38.0; 149; 45Eps Per ; 2.89; 30000;occ; 76; 0;45779  
 16; 2720.1; 02-DEC-2010 02:21:07; Bright; 36.0; 175; 39Del Per ; 3.01; 19400;occ; 72; 0;45779  
 17; 2822.4; 02-DEC-2010 02:22:49; Bright; 49.5; 6; 13Alp Aur ; 0.08; 3400;occ; 99; 0;45779  
 18; 2926.6; 02-DEC-2010 02:24:34; Bright; 51.0; 42; 34Bet Aur ; 1.90; 10200;occ; 102; 0;45779  
 19; 3796.1; 02-DEC-2010 02:39:03; Bright; 41.0; 36; 50Alp UMa ; 1.80; 6300;occ; 82; 0;45779  
 20; 3891.3; 02-DEC-2010 02:40:38; Bright; 47.5; 82; 48Bet UMa ; 2.37; 10600;occ; 95; 0;45779  
 21; 3993.2; 02-DEC-2010 02:42:20; Bright; 38.5; 32; 77Eps UMa ; 1.76; 11000;occ; 77; 0;45779  
 22; 4161.0; 02-DEC-2010 02:45:08; Bright; 29.0; 174; 52Psi UMa ; 3.00; 4400;occ; 58; 0;45779  
 23; 4327.3; 02-DEC-2010 02:47:54; Bright; 40.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 81; 0;45779  
 24; 4907.3; 02-DEC-2010 02:57:34; Bright; 50.0; 62; 94Bet Leo ; 2.14; 9700;occ; 100; 0;45779  
 25; 5104.2; 02-DEC-2010 03:00:51; Bright; 45.5; 121; 29Gam Vir ; 2.74; 7200;occ; 91; 0;45779  
 26; 5446.0; 02-DEC-2010 03:06:33; Dark ; 48.0; 100; 4Gam Crv ; 2.58; 13100;occ; 96; 0;45779  
 27; 5541.7; 02-DEC-2010 03:08:09; Dark ; 46.5; 171; 2Eps Crv ; 3.00; 4250;occ; 93; 0;45779  
 28; 6107.8; 02-DEC-2010 03:17:35; Dark ; 44.0; 113; Mu Vel ; 2.69; 5000;occ; 88; 0;45780  
 29; 6432.2; 02-DEC-2010 03:22:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45780  
 30; 6624.1; 02-DEC-2010 03:26:11; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;45780  
 31; 6820.5; 02-DEC-2010 03:29:28; Dark ; 48.5; 2; Alp Car ;-0.74; 7000;occ; 97; 0;45780  
 32; 6935.1; 02-DEC-2010 03:31:22; Dark ; 61.5; 117; Pi Pup ; 2.71; 3800;occ; 123; 0;45780  
 33; 7202.6; 02-DEC-2010 03:35:50; Dark ; 46.5; 108; Alp Col ; 2.65; 15200;occ; 93; 0;45780  
 34; 7539.9; 02-DEC-2010 03:41:27; Dark ; 53.0; 101; 11Alp Lep ; 2.58; 7000;occ; 106; 0;45780  
 35; 7752.7; 02-DEC-2010 03:45:00; Dark ; 57.5; 7; 19Bet Ori ; 0.10; 14000;occ; 115; 0;45780  
 36; 7944.0; 02-DEC-2010 03:48:11; Dark ; 46.0; 72; 34Del Ori ; 2.25; 30000;occ; 92; 0;45780  
 37; 8088.3; 02-DEC-2010 03:50:35; Dark ; 58.0; 27; 24Gam Ori ; 1.64; 26000;occ; 116; 0;45780  
 38; 8227.3; 02-DEC-2010 03:52:54; Dark ; 59.5; 13; 87Alp Tau ; 0.87; 3800;occ; 119; 0;45780  
 39; 8326.8; 02-DEC-2010 03:54:34; Bright; 37.5; 146; 25Eta Tau ; 2.87; 15200;occ; 75; 0;45780  
 40; 8467.3; 02-DEC-2010 03:56:54; Bright; 39.0; 150; 44Zet Per ; 2.89; 28000;occ; 78; 0;45780  
 41; 8611.8; 02-DEC-2010 03:59:19; Bright; 36.5; 149; 45Eps Per ; 2.89; 30000;occ; 73; 0;45780  
 42; 8733.8; 02-DEC-2010 04:01:21; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45780  
 43; 8835.8; 02-DEC-2010 04:03:03; Bright; 49.5; 6; 13Alp Aur ; 0.08; 3400;occ; 99; 0;45780  
 44; 8939.8; 02-DEC-2010 04:04:47; Bright; 51.0; 42; 34Bet Aur ; 1.90; 10200;occ; 102; 0;45780

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 5; -1106.0; 02-DEC-2010 04:37:49; Bright; 41.0; 62; 94Bet Leo ; 2.14; 9700;occ; 82; 0;45780  
 6; -909.3; 02-DEC-2010 04:41:06; Bright; 47.0; 121; 29Gam Vir ; 2.74; 7200;occ; 94; 0;45780  
 7; -567.2; 02-DEC-2010 04:46:48; Dark ; 48.0; 100; 4Gam Crv ; 2.58; 13100;occ; 96; 0;45780  
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 9; 94.3; 02-DEC-2010 04:57:50; Dark ; 43.5; 113; Mu Vel ; 2.69; 5000;occ; 87; 0;45781  
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 11; 610.8; 02-DEC-2010 05:06:26; Dark ; 49.0; 34; Gam2Vel ; 1.79; 23000;occ; 98; 0;45781  
 12; 807.0; 02-DEC-2010 05:09:42; Dark ; 58.0; 2; Alp Car ;-0.74; 7000;occ; 116; 0;45781  
 13; 921.9; 02-DEC-2010 05:11:37; Dark ; 63.0; 117; Pi Pup ; 2.71; 3800;occ; 126; 0;45781  
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 17; 1929.6; 02-DEC-2010 05:28:25; Dark ; 46.0; 72; 34Del Ori ; 2.25; 30000;occ; 92; 0;45781  
 18; 2073.8; 02-DEC-2010 05:30:49; Dark ; 58.0; 27; 24Gam Ori ; 1.64; 26000;occ; 116; 0;45781  
 19; 2212.9; 02-DEC-2010 05:33:08; Dark ; 59.5; 13; 87Alp Tau ; 0.87; 3800;occ; 119; 0;45781  
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 21; 2453.0; 02-DEC-2010 05:37:08; Bright; 38.5; 150; 44Zet Per ; 2.89; 28000;occ; 77; 0;45781  
 22; 2597.6; 02-DEC-2010 05:39:33; Bright; 38.5; 149; 45Eps Per ; 2.89; 30000;occ; 77; 0;45781  
 23; 2719.7; 02-DEC-2010 05:41:35; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45781  
 24; 2821.1; 02-DEC-2010 05:43:16; Bright; 49.5; 6; 13Alp Aur ; 0.08; 3400;occ; 99; 0;45781  
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 2; 929.4; 02-DEC-2010 20:13:51; Dark ; 59.5; 117; Pi Pup ; 2.71; 3800;occ; 119; 0;45790  
 3; 1152.1; 02-DEC-2010 20:17:34; Dark ; 28.0; 23; 21Eps CMa ; 1.50; 26000;occ; 56; 0;45790  
 4; 1206.6; 02-DEC-2010 20:18:28; Dark ; 51.5; 177; 1Zet CMa ; 3.02; 26000;occ; 103; 0;45790  
 5; 1527.1; 02-DEC-2010 20:23:49; Dark ; 51.0; 101; 11Alp Lep ; 2.58; 7000;occ; 102; 0;45790  
 6; 1737.8; 02-DEC-2010 20:27:19; Dark ; 57.5; 7; 19Bet Ori ; 0.10; 14000;occ; 115; 0;45790  
 7; 1910.1; 02-DEC-2010 20:30:12; Dark ; 41.0; 30; 46Eps Ori ; 1.69; 30000;occ; 82; 0;45790  
 8; 2069.5; 02-DEC-2010 20:32:51; Dark ; 59.0; 27; 24Gam Ori ; 1.64; 26000;occ; 118; 0;45790  
 9; 2209.9; 02-DEC-2010 20:35:11; Dark ; 62.0; 13; 87Alp Tau ; 0.87; 3800;occ; 124; 0;45790  
 10; 2311.3; 02-DEC-2010 20:36:53; Bright; 38.5; 146; 25Eta Tau ; 2.87; 15200;occ; 77; 0;45790

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13; 2718.1; 02-DEC-2010 20:43:40; Bright; 35.0; 175; 39Del Per ; 3.01; 19400;occ; 70; 0;45790
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15; 2916.6; 02-DEC-2010 20:46:58; Bright; 50.5; 42; 34Bet Aur ; 1.90; 10200;occ; 101; 0;45790
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17; 3886.8; 02-DEC-2010 21:03:08; Bright; 46.5; 82; 48Bet UMa ; 2.37; 10600;occ; 93; 0;45790
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21; 5111.0; 02-DEC-2010 21:23:33; Bright; 44.0; 121; 29Gam Vir ; 2.74; 7200;occ; 88; 0;45790
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6; 812.3; 02-DEC-2010 23:32:22; Dark ; 46.0; 2; Alp Car ; -0.74; 7000;occ; 92; 0;45792
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9; 1207.6; 02-DEC-2010 23:38:57; Dark ; 51.0; 177; 1Zet CMa ; 3.02; 26000;occ; 102; 0;45792
10; 1527.6; 02-DEC-2010 23:44:17; Dark ; 53.0; 101; 11Alp Lep ; 2.58; 7000;occ; 106; 0;45792
11; 1737.8; 02-DEC-2010 23:47:47; Dark ; 60.0; 7; 19Bet Ori ; 0.10; 14000;occ; 120; 0;45792
12; 1909.4; 02-DEC-2010 23:50:39; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;45792
13; 2068.6; 02-DEC-2010 23:53:18; Dark ; 62.5; 27; 24Gam Ori ; 1.64; 26000;occ; 125; 0;45792
14; 2209.4; 02-DEC-2010 23:55:39; Dark ; 61.0; 13; 87Alp Tau ; 0.87; 3800;occ; 122; 0;45792
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17; 2594.9; 03-DEC-2010 00:02:04; Bright; 37.0; 149; 45Eps Per ; 2.89; 30000;occ; 74; 0;45792
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3; 1737.2; 03-DEC-2010 19:50:35; Dark ; 58.5; 7; 19Bet Ori ; 0.10; 14000;occ; 117; 0;45804
4; 1905.5; 03-DEC-2010 19:53:24; Dark ; 59.5; 30; 46Eps Ori ; 1.69; 30000;occ; 119; 0;45804
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9; 2592.3; 03-DEC-2010 20:04:50; Bright; 37.0; 149; 45Eps Per ; 2.89; 30000;occ; 74; 0;45804
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7; 818.8; 03-DEC-2010 21:15:31; Dark ; 58.0; 2; Alp Car ;-0.74; 7000;occ; 116; 0;45805
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13; 2205.5; 03-DEC-2010 21:38:38; Dark ; 58.5; 13; 87Alp Tau ; 0.87; 3800;occ; 117; 0;45805
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17; 2715.4; 03-DEC-2010 21:47:07; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45805
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21; 3880.5; 03-DEC-2010 22:06:33; Bright; 45.0; 82; 48Bet UMA ; 2.37; 10600;occ; 90; 0;45805
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23; 4328.4; 03-DEC-2010 22:14:00; Bright; 40.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 81; 0;45805
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6; -899.4; 03-DEC-2010 07:25:00; Bright; 45.0; 121; 29Gam Vir ; 2.74; 7200;occ; 90; 0;45796  
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9; 107.1; 03-DEC-2010 07:41:47; Dark ; 43.5; 113; Mu Vel ; 2.69; 5000;occ; 87; 0;45797  
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11; 624.6; 03-DEC-2010 07:50:24; Dark ; 52.0; 34; Gam2Vel ; 1.79; 23000;occ; 104; 0;45797  
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13; 3991.3; 03-DEC-2010 08:46:31; Bright; 38.5; 32; 77Eps UMa ; 1.76; 11000;occ; 77; 0;45797  
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21; 6654.0; 04-DEC-2010 13:54:52; Dark ; 50.0; 34; Gam2Vel ; 1.79; 23000;occ; 100; 0;45815
22; 6837.9; 04-DEC-2010 13:57:56; Dark ; 58.0; 2; Alp Car ;-0.74; 7000;occ; 116; 0;45815
23; 6963.1; 04-DEC-2010 14:00:01; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;45815
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 3; 2203.0; 04-DEC-2010 14:20:55; Dark ; 60.0; 13; 87Alp Tau ; 0.87; 3800;occ; 120; 0;45815
 4; 2308.8; 04-DEC-2010 14:22:41; Bright; 38.0; 146; 25Eta Tau ; 2.87; 15200;occ; 76; 0;45815
 5; 2447.2; 04-DEC-2010 14:24:59; Bright; 38.0; 150; 44Zet Per ; 2.89; 28000;occ; 76; 0;45815
 6; 2590.1; 04-DEC-2010 14:27:22; Bright; 37.0; 149; 45Eps Per ; 2.89; 30000;occ; 74; 0;45815
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 12; 4119.9; 04-DEC-2010 16:33:06; Bright; 39.0; 39; 85Eta UMA ; 1.85; 24000;occ; 78; 0;45816  
 13; 4329.2; 04-DEC-2010 16:36:35; Bright; 41.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 82; 0;45816  
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 19; 6137.4; 04-DEC-2010 17:06:44; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;45817  
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 23; 6656.6; 04-DEC-2010 18:55:37; Dark ; 49.0; 34; Gam2Vel ; 1.79; 23000;occ; 98; 0;45818  
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7; 2445.6; 05-DEC-2010 02:06:36; Bright; 20.0; 150; 44Zet Per ; 2.89; 28000;occ; 40; 0;45822
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19; 6660.7; 05-DEC-2010 03:16:51; Dark ; 50.5; 34; Gam2Vel ; 1.79; 23000;occ; 101; 67;45823
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26; 8214.9; 05-DEC-2010 03:42:45; Dark ; 59.5; 13; 87Alp Tau ; 0.87; 3800;occ; 119; 39;45823
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11; 141.4; 06-DEC-2010 05:52:10; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;45839
12; 467.0; 06-DEC-2010 05:57:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45839
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 17; 4330.3; 06-DEC-2010 22:04:06; Bright; 40.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 81; 0;45848  
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 8; 974.5; 06-DEC-2010 22:48:24; Dark ; 59.5; 117; Pi Pup ; 2.71; 3800;occ; 119; 0;45849  
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 9; 2862.0; 07-DEC-2010 09:21:15; Bright; 48.0; 42; 34Bet Aur ; 1.90; 10200;occ; 96; 0;45855  
 10; 3766.7; 07-DEC-2010 09:36:20; Bright; 66.0; 36; 50Alp UMA ; 1.80; 6300;occ; 132; 0;45855  
 11; 3858.9; 07-DEC-2010 09:37:52; Bright; 51.0; 82; 48Bet UMA ; 2.37; 10600;occ; 102; 0;45855  
 12; 3984.2; 07-DEC-2010 09:39:58; Bright; 42.5; 32; 77Eps UMA ; 1.76; 11000;occ; 85; 0;45855  
 13; 4120.4; 07-DEC-2010 09:42:14; Bright; 39.0; 39; 85Eta UMA ; 1.85; 24000;occ; 78; 0;45855  
 14; 4330.6; 07-DEC-2010 09:45:44; Bright; 42.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 84; 0;45855  
 15; 4673.1; 07-DEC-2010 09:51:27; Bright; 37.5; 111; 8Eta Boo ; 2.68; 6000;occ; 75; 0;45855  
 16; 4874.6; 07-DEC-2010 09:54:48; Bright; 45.0; 138; 47Eps Vir ; 2.83; 4700;occ; 90; 0;45855  
 17; 5155.0; 07-DEC-2010 09:59:29; Dark ; 52.5; 121; 29Gam Vir ; 2.74; 7200;occ; 105; 0;45855  
 18; 5431.2; 07-DEC-2010 10:04:05; Dark ; 41.0; 169; 46Gam Hya ; 2.99; 4700;occ; 82; 0;45855  
 19; 5515.0; 07-DEC-2010 10:05:28; Dark ; 51.0; 100; 4Gam Crv ; 2.58; 13100;occ; 102; 0;45855  
 20; 5611.3; 07-DEC-2010 10:07:05; Dark ; 52.0; 171; 2Eps Crv ; 3.00; 4250;occ; 104; 0;45855  
 21; 5967.7; 07-DEC-2010 10:13:01; Dark ; 41.0; 99; Del Cen ; 2.58; 26000;occ; 82; 0;45855  
 22; 6169.7; 07-DEC-2010 10:16:23; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;45856  
 23; 6494.8; 07-DEC-2010 10:21:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45856  
 24; 6688.1; 07-DEC-2010 10:25:02; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;45856  
 25; 6857.5; 07-DEC-2010 10:27:51; Dark ; 49.0; 2; Alp Car ; -0.74; 7000;occ; 98; 0;45856  
 26; 6993.7; 07-DEC-2010 10:30:07; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;45856  
 27; 7231.1; 07-DEC-2010 10:34:05; Dark ; 42.5; 108; Alp Col ; 2.65; 15200;occ; 85; 0;45856  
 28; 7550.9; 07-DEC-2010 10:39:24; Dark ; 34.0; 101; 11Alp Lep ; 2.58; 7000;occ; 68; 0;45856

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1; 1536.9; 07-DEC-2010 10:39:24; Dark ; 48.0; 101; 11Alp Lep ; 2.58; 7000;occ; 96; 0;45856  
 2; 1736.0; 07-DEC-2010 10:42:44; Dark ; 61.5; 7; 19Bet Ori ; 0.10; 14000;occ; 123; 0;45856  
 3; 1891.7; 07-DEC-2010 10:45:19; Dark ; 58.0; 30; 46Eps Ori ; 1.69; 30000;occ; 116; 0;45856  
 4; 2043.3; 07-DEC-2010 10:47:51; Dark ; 55.5; 27; 24Gam Ori ; 1.64; 26000;occ; 111; 0;45856  
 5; 2193.4; 07-DEC-2010 10:50:21; Dark ; 51.0; 13; 87Alp Tau ; 0.87; 3800;occ; 102; 0;45856  
 6; 2305.8; 07-DEC-2010 10:52:13; Bright; 38.0; 146; 25Eta Tau ; 2.87; 15200;occ; 76; 0;45856  
 7; 2441.6; 07-DEC-2010 10:54:29; Bright; 37.0; 150; 44Zet Per ; 2.89; 28000;occ; 74; 0;45856  
 8; 2522.8; 07-DEC-2010 10:55:50; Bright; 43.0; 114; 3Iot Aur ; 2.69; 4600;occ; 86; 0;45856  
 9; 2709.2; 07-DEC-2010 10:58:57; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45856  
 10; 2861.1; 07-DEC-2010 11:01:29; Bright; 46.5; 42; 34Bet Aur ; 1.90; 10200;occ; 93; 0;45856  
 11; 3766.2; 07-DEC-2010 11:16:34; Bright; 43.0; 36; 50Alp UMA ; 1.80; 6300;occ; 86; 0;45856  
 12; 3858.3; 07-DEC-2010 11:18:06; Bright; 49.5; 82; 48Bet UMA ; 2.37; 10600;occ; 99; 0;45856  
 13; 3983.9; 07-DEC-2010 11:20:11; Bright; 41.5; 32; 77Eps UMA ; 1.76; 11000;occ; 83; 0;45856  
 14; 4120.4; 07-DEC-2010 11:22:28; Bright; 39.5; 39; 85Eta UMA ; 1.85; 24000;occ; 79; 0;45856  
 15; 4330.4; 07-DEC-2010 11:25:58; Bright; 41.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 82; 0;45856  
 16; 4673.3; 07-DEC-2010 11:31:41; Bright; 37.0; 111; 8Eta Boo ; 2.68; 6000;occ; 74; 0;45856  
 17; 4875.1; 07-DEC-2010 11:35:03; Bright; 45.0; 138; 47Eps Vir ; 2.83; 4700;occ; 90; 0;45856  
 18; 5155.8; 07-DEC-2010 11:39:43; Dark ; 47.5; 121; 29Gam Vir ; 2.74; 7200;occ; 95; 0;45856  
 19; 5431.7; 07-DEC-2010 11:44:19; Dark ; 47.0; 169; 46Gam Hya ; 2.99; 4700;occ; 94; 0;45856

20; 5516.0; 07-DEC-2010 11:45:44; Dark ; 54.5; 100; 4Gam Crv ; 2.58; 13100;occ; 109; 0;45856  
 21; 5612.2; 07-DEC-2010 11:47:20; Dark ; 54.0; 171; 2Eps Crv ; 3.00; 4250;occ; 108; 0;45856  
 22; 5968.2; 07-DEC-2010 11:53:16; Dark ; 42.0; 99; Del Cen ; 2.58; 26000;occ; 84; 0;45856  
 23; 6170.4; 07-DEC-2010 11:56:38; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;45857  
 24; 6495.6; 07-DEC-2010 12:02:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45857  
 25; 6688.9; 07-DEC-2010 12:05:16; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;45857  
 26; 6857.9; 07-DEC-2010 12:08:05; Dark ; 48.5; 2; Alp Car ; -0.74; 7000;occ; 97; 0;45857  
 27; 6994.4; 07-DEC-2010 12:10:22; Dark ; 60.0; 117; Pi Pup ; 2.71; 3800;occ; 120; 0;45857  
 28; 7231.5; 07-DEC-2010 12:14:19; Dark ; 44.0; 108; Alp Col ; 2.65; 15200;occ; 88; 0;45857  
 29; 7551.0; 07-DEC-2010 12:19:39; Dark ; 34.0; 101; 11Alp Lep ; 2.58; 7000;occ; 68; 0;45857

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1; 1537.0; 07-DEC-2010 12:19:39; Dark ; 45.5; 101; 11Alp Lep ; 2.58; 7000;occ; 91; 0;45857  
 2; 1735.9; 07-DEC-2010 12:22:57; Dark ; 62.0; 7; 19Bet Ori ; 0.10; 14000;occ; 124; 0;45857  
 3; 1891.7; 07-DEC-2010 12:25:33; Dark ; 57.0; 30; 46Eps Ori ; 1.69; 30000;occ; 114; 0;45857  
 4; 2043.0; 07-DEC-2010 12:28:04; Dark ; 54.5; 27; 24Gam Ori ; 1.64; 26000;occ; 109; 0;45857  
 5; 2193.2; 07-DEC-2010 12:30:35; Dark ; 52.5; 13; 87Alp Tau ; 0.87; 3800;occ; 105; 0;45857  
 6; 2305.9; 07-DEC-2010 12:32:27; Bright; 36.5; 146; 25Eta Tau ; 2.87; 15200;occ; 73; 0;45857  
 7; 2441.5; 07-DEC-2010 12:34:43; Bright; 37.5; 150; 44Zet Per ; 2.89; 28000;occ; 75; 0;45857  
 8; 2522.3; 07-DEC-2010 12:36:04; Bright; 42.5; 114; 3Iot Aur ; 2.69; 4600;occ; 85; 0;45857  
 9; 2709.0; 07-DEC-2010 12:39:11; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45857  
 10; 2860.5; 07-DEC-2010 12:41:42; Bright; 48.0; 42; 34Bet Aur ; 1.90; 10200;occ; 96; 0;45857  
 11; 3765.8; 07-DEC-2010 12:56:47; Bright; 46.5; 36; 50Alp UMa ; 1.80; 6300;occ; 93; 0;45857  
 12; 3857.9; 07-DEC-2010 12:58:19; Bright; 47.5; 82; 48Bet UMa ; 2.37; 10600;occ; 95; 0;45857  
 13; 3984.0; 07-DEC-2010 13:00:25; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;45857  
 14; 4120.3; 07-DEC-2010 13:02:42; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;45857  
 15; 4330.6; 07-DEC-2010 13:06:12; Bright; 42.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 85; 0;45857  
 16; 4673.6; 07-DEC-2010 13:11:55; Bright; 37.5; 111; 8Eta Boo ; 2.68; 6000;occ; 75; 0;45857  
 17; 4875.5; 07-DEC-2010 13:15:17; Bright; 44.5; 138; 47Eps Vir ; 2.83; 4700;occ; 89; 0;45857  
 18; 5156.7; 07-DEC-2010 13:19:58; Dark ; 51.5; 121; 29Gam Vir ; 2.74; 7200;occ; 103; 0;45857  
 19; 5432.3; 07-DEC-2010 13:24:34; Dark ; 45.0; 169; 46Gam Hya ; 2.99; 4700;occ; 90; 0;45857  
 20; 5517.0; 07-DEC-2010 13:25:58; Dark ; 50.0; 100; 4Gam Crv ; 2.58; 13100;occ; 100; 0;45857  
 21; 5613.4; 07-DEC-2010 13:27:35; Dark ; 54.5; 171; 2Eps Crv ; 3.00; 4250;occ; 109; 0;45857  
 22; 5968.9; 07-DEC-2010 13:33:30; Dark ; 40.0; 99; Del Cen ; 2.58; 26000;occ; 80; 0;45857  
 23; 6171.3; 07-DEC-2010 13:36:53; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;45858  
 24; 6496.5; 07-DEC-2010 13:42:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45858  
 25; 6689.7; 07-DEC-2010 13:45:31; Dark ; 51.5; 34; Gam2Vel ; 1.79; 23000;occ; 103; 0;45858  
 26; 6858.3; 07-DEC-2010 13:48:20; Dark ; 48.5; 2; Alp Car ; -0.74; 7000;occ; 97; 0;45858  
 27; 6995.0; 07-DEC-2010 13:50:36; Dark ; 54.5; 117; Pi Pup ; 2.71; 3800;occ; 109; 0;45858  
 28; 7231.8; 07-DEC-2010 13:54:33; Dark ; 44.0; 108; Alp Col ; 2.65; 15200;occ; 88; 0;45858

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1; 1537.0; 07-DEC-2010 13:59:52; Dark ; 48.5; 101; 11Alp Lep ; 2.58; 7000;occ; 97; 0;45858  
 2; 1736.0; 07-DEC-2010 14:03:11; Dark ; 56.5; 7; 19Bet Ori ; 0.10; 14000;occ; 113; 0;45858  
 3; 1891.4; 07-DEC-2010 14:05:47; Dark ; 55.5; 30; 46Eps Ori ; 1.69; 30000;occ; 111; 0;45858  
 4; 2042.8; 07-DEC-2010 14:08:18; Dark ; 56.5; 27; 24Gam Ori ; 1.64; 26000;occ; 113; 0;45858  
 5; 2193.1; 07-DEC-2010 14:10:49; Dark ; 55.5; 13; 87Alp Tau ; 0.87; 3800;occ; 111; 0;45858  
 6; 2305.7; 07-DEC-2010 14:12:41; Bright; 38.0; 146; 25Eta Tau ; 2.87; 15200;occ; 76; 0;45858  
 7; 2441.4; 07-DEC-2010 14:14:57; Bright; 38.0; 150; 44Zet Per ; 2.89; 28000;occ; 76; 0;45858  
 8; 2521.9; 07-DEC-2010 14:16:17; Bright; 43.0; 114; 3Iot Aur ; 2.69; 4600;occ; 86; 0;45858  
 9; 2709.2; 07-DEC-2010 14:19:25; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45858  
 10; 2859.6; 07-DEC-2010 14:21:55; Bright; 48.0; 42; 34Bet Aur ; 1.90; 10200;occ; 96; 0;45858  
 11; 3765.5; 07-DEC-2010 14:37:01; Bright; 46.5; 36; 50Alp UMa ; 1.80; 6300;occ; 93; 0;45858  
 12; 3857.4; 07-DEC-2010 14:38:33; Bright; 49.5; 82; 48Bet UMa ; 2.37; 10600;occ; 99; 0;45858  
 13; 3983.8; 07-DEC-2010 14:40:39; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;45858  
 14; 4120.4; 07-DEC-2010 14:42:56; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;45858  
 15; 4330.6; 07-DEC-2010 14:46:26; Bright; 42.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 84; 0;45858  
 16; 4673.9; 07-DEC-2010 14:52:09; Bright; 37.5; 111; 8Eta Boo ; 2.68; 6000;occ; 75; 0;45858  
 17; 4876.0; 07-DEC-2010 14:55:31; Bright; 64.0; 138; 47Eps Vir ; 2.83; 4700;occ; 128; 0;45858  
 18; 5157.5; 07-DEC-2010 15:00:13; Dark ; 53.5; 121; 29Gam Vir ; 2.74; 7200;occ; 107; 0;45858  
 19; 5432.9; 07-DEC-2010 15:04:48; Dark ; 43.0; 169; 46Gam Hya ; 2.99; 4700;occ; 86; 0;45858  
 20; 5518.1; 07-DEC-2010 15:06:14; Dark ; 54.5; 100; 4Gam Crv ; 2.58; 13100;occ; 109; 0;45858  
 21; 5614.4; 07-DEC-2010 15:07:50; Dark ; 50.0; 171; 2Eps Crv ; 3.00; 4250;occ; 100; 0;45858  
 22; 5969.5; 07-DEC-2010 15:13:45; Dark ; 40.0; 99; Del Cen ; 2.58; 26000;occ; 80; 0;45858  
 23; 6172.2; 07-DEC-2010 15:17:08; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;45859  
 24; 6497.4; 07-DEC-2010 15:22:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45859  
 25; 6690.5; 07-DEC-2010 15:25:46; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;45859  
 26; 6858.9; 07-DEC-2010 15:28:34; Dark ; 55.0; 2; Alp Car ; -0.74; 7000;occ; 110; 0;45859  
 27; 6995.8; 07-DEC-2010 15:30:51; Dark ; 61.5; 117; Pi Pup ; 2.71; 3800;occ; 123; 0;45859  
 28; 7232.1; 07-DEC-2010 15:34:48; Dark ; 46.5; 108; Alp Col ; 2.65; 15200;occ; 93; 0;45859



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2; 1735.8; 07-DEC-2010 15:43:25; Dark ; 53.5; 7; 19Bet Ori ; 0.10; 14000;occ; 107; 0;45859  
3; 1891.2; 07-DEC-2010 15:46:01; Dark ; 55.5; 30; 46Eps Ori ; 1.69; 30000;occ; 111; 0;45859  
4; 2042.4; 07-DEC-2010 15:48:32; Dark ; 55.5; 27; 24Gam Ori ; 1.64; 26000;occ; 111; 0;45859  
5; 2192.9; 07-DEC-2010 15:51:02; Dark ; 58.0; 13; 87Alp Tau ; 0.87; 3800;occ; 116; 0;45859  
6; 2305.6; 07-DEC-2010 15:52:55; Bright; 37.5; 146; 25Eta Tau ; 2.87; 15200;occ; 75; 0;45859  
7; 2441.0; 07-DEC-2010 15:55:11; Bright; 38.0; 150; 44Zet Per ; 2.89; 28000;occ; 76; 0;45859  
8; 2521.4; 07-DEC-2010 15:56:31; Bright; 43.5; 114; 3Iot Aur ; 2.69; 4600;occ; 87; 0;45859  
9; 2708.8; 07-DEC-2010 15:59:38; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45859  
10; 2858.9; 07-DEC-2010 16:02:08; Bright; 49.0; 42; 34Bet Aur ; 1.90; 10200;occ; 98; 0;45859  
11; 3765.0; 07-DEC-2010 16:17:15; Bright; 66.0; 36; 50Alp UMa ; 1.80; 6300;occ; 132; 0;45859  
12; 3857.0; 07-DEC-2010 16:18:46; Bright; 49.5; 82; 48Bet UMa ; 2.37; 10600;occ; 99; 0;45859  
13; 3983.6; 07-DEC-2010 16:20:53; Bright; 41.5; 32; 77Eps UMa ; 1.76; 11000;occ; 83; 0;45859  
14; 4120.4; 07-DEC-2010 16:23:10; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;45859  
15; 4330.7; 07-DEC-2010 16:26:40; Bright; 40.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 81; 0;45859  
16; 4674.2; 07-DEC-2010 16:32:24; Bright; 56.0; 111; 8Eta Boo ; 2.68; 6000;occ; 112; 0;45859  
17; 4876.5; 07-DEC-2010 16:35:46; Bright; 43.0; 138; 47Eps Vir ; 2.83; 4700;occ; 86; 0;45859  
18; 5158.1; 07-DEC-2010 16:40:28; Dark ; 53.0; 121; 29Gam Vir ; 2.74; 7200;occ; 106; 0;45859  
19; 5433.5; 07-DEC-2010 16:45:03; Dark ; 43.0; 169; 46Gam Hya ; 2.99; 4700;occ; 86; 0;45859  
20; 5519.1; 07-DEC-2010 16:46:29; Dark ; 50.0; 100; 4Gam Crv ; 2.58; 13100;occ; 100; 0;45859  
21; 5615.4; 07-DEC-2010 16:48:05; Dark ; 52.5; 171; 2Eps Crv ; 3.00; 4250;occ; 105; 0;45859  
22; 5970.1; 07-DEC-2010 16:54:00; Dark ; 41.0; 99; Del Cen ; 2.58; 26000;occ; 82; 0;45859  
23; 6173.1; 07-DEC-2010 16:57:23; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;45860  
24; 6498.3; 07-DEC-2010 17:02:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45860  
25; 6691.5; 07-DEC-2010 17:06:01; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;45860  
26; 6859.4; 07-DEC-2010 17:08:49; Dark ; 49.0; 2; Alp Car ; -0.74; 7000;occ; 98; 0;45860  
27; 6996.5; 07-DEC-2010 17:11:06; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;45860

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1; 1019.9; 07-DEC-2010 17:11:44; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 75;45860  
2; 1218.4; 07-DEC-2010 17:15:02; Dark ; 45.0; 108; Alp Col ; 2.65; 15200;occ; 90; 0;45860  
3; 1537.3; 07-DEC-2010 17:20:21; Dark ; 50.5; 101; 11Alp Lep ; 2.58; 7000;occ; 101; 0;45860  
4; 1735.9; 07-DEC-2010 17:23:39; Dark ; 55.0; 7; 19Bet Ori ; 0.10; 14000;occ; 110; 0;45860  
5; 1891.1; 07-DEC-2010 17:26:15; Dark ; 55.5; 30; 46Eps Ori ; 1.69; 30000;occ; 111; 0;45860  
6; 2042.2; 07-DEC-2010 17:28:46; Dark ; 55.0; 27; 24Gam Ori ; 1.64; 26000;occ; 110; 0;45860  
7; 2192.5; 07-DEC-2010 17:31:16; Dark ; 58.0; 13; 87Alp Tau ; 0.87; 3800;occ; 116; 0;45860  
8; 2305.4; 07-DEC-2010 17:33:09; Bright; 38.0; 146; 25Eta Tau ; 2.87; 15200;occ; 76; 0;45860  
9; 2440.9; 07-DEC-2010 17:35:24; Bright; 37.5; 150; 44Zet Per ; 2.89; 28000;occ; 75; 0;45860  
10; 2520.9; 07-DEC-2010 17:36:44; Bright; 43.0; 114; 3Iot Aur ; 2.69; 4600;occ; 86; 0;45860  
11; 2708.7; 07-DEC-2010 17:39:52; Bright; 35.5; 175; 39Del Per ; 3.01; 19400;occ; 71; 0;45860  
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13; 3764.6; 07-DEC-2010 17:57:28; Bright; 45.0; 36; 50Alp UMa ; 1.80; 6300;occ; 90; 0;45860  
14; 3856.5; 07-DEC-2010 17:59:00; Bright; 48.0; 82; 48Bet UMa ; 2.37; 10600;occ; 96; 0;45860  
15; 3983.4; 07-DEC-2010 18:01:07; Bright; 42.5; 32; 77Eps UMa ; 1.76; 11000;occ; 85; 0;45860  
16; 4120.4; 07-DEC-2010 18:03:24; Bright; 40.0; 39; 85Eta UMa ; 1.85; 24000;occ; 80; 0;45860  
17; 4330.9; 07-DEC-2010 18:06:55; Bright; 40.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 81; 0;45860  
18; 4674.4; 07-DEC-2010 18:12:38; Bright; 37.5; 111; 8Eta Boo ; 2.68; 6000;occ; 75; 0;45860  
19; 4876.9; 07-DEC-2010 18:16:01; Bright; 45.5; 138; 47Eps Vir ; 2.83; 4700;occ; 91; 0;45860  
20; 5159.0; 07-DEC-2010 18:20:43; Dark ; 51.5; 121; 29Gam Vir ; 2.74; 7200;occ; 103; 0;45860  
21; 5434.0; 07-DEC-2010 18:25:18; Dark ; 43.5; 169; 46Gam Hya ; 2.99; 4700;occ; 87; 0;45860  
22; 5520.1; 07-DEC-2010 18:26:44; Dark ; 49.0; 100; 4Gam Crv ; 2.58; 13100;occ; 98; 0;45860  
23; 5616.4; 07-DEC-2010 18:28:20; Dark ; 53.5; 171; 2Eps Crv ; 3.00; 4250;occ; 107; 0;45860  
24; 5970.6; 07-DEC-2010 18:34:14; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;45860  
25; 6173.8; 07-DEC-2010 18:37:37; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;45861  
26; 6499.0; 07-DEC-2010 18:43:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45861  
27; 6692.2; 07-DEC-2010 18:46:16; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;45861  
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13; 190.4; 10-DEC-2010 06:46:33; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45897
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27; 2656.2; 15-DEC-2010 04:24:01; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;45967
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9; 2782.5; 15-DEC-2010 12:47:17; Bright; 42.5; 42; 34Bet Aur ; 1.90; 10200;occ; 85; 0;45972  
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3; -323.2; 18-DEC-2010 00:03:56; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;46007
4; -46.4; 18-DEC-2010 00:08:33; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;46007
5; 52.9; 18-DEC-2010 00:10:12; Dark ; 43.5; 99; Del Cen ; 2.58; 26000;occ; 87; 0;46008
6; 288.1; 18-DEC-2010 00:14:07; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;46008
7; 507.2; 18-DEC-2010 00:17:47; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46008
8; 598.3; 18-DEC-2010 00:19:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46008

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 10; 915.8; 18-DEC-2010 00:24:35; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 0;46008  
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 12; 1264.1; 18-DEC-2010 00:30:23; Dark ; 52.5; 23; 21Eps CMa ; 1.50; 26000;occ; 105; 0;46008  
 13; 1369.0; 18-DEC-2010 00:32:08; Dark ; 51.0; 179; 240mi2CMa ; 3.03; 24000;occ; 102; 0;46008  
 14; 1545.5; 18-DEC-2010 00:35:05; Dark ; 48.0; 1; 9Alp CMa ; -1.44; 11000;occ; 96; 0;46008  
 15; 1739.3; 18-DEC-2010 00:38:19; Dark ; 56.0; 7; 19Bet Ori ; 0.10; 14000;occ; 112; 0;46008  
 16; 1869.9; 18-DEC-2010 00:40:29; Dark ; 48.5; 30; 46Eps Ori ; 1.69; 30000;occ; 97; 0;46008  
 17; 2051.7; 18-DEC-2010 00:43:31; Dark ; 56.0; 14; 58Alp Ori ; 0.87; 3000;occ; 112; 0;46008  
 18; 2175.5; 18-DEC-2010 00:45:35; Dark ; 54.0; 13; 87Alp Tau ; 0.87; 3800;occ; 108; 0;46008  
 19; 2299.5; 18-DEC-2010 00:47:39; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;46008  
 20; 2422.8; 18-DEC-2010 00:49:42; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;46008  
 21; 2631.6; 18-DEC-2010 00:53:11; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;46008  
 22; 2762.5; 18-DEC-2010 00:55:22; Bright; 41.5; 42; 34Bet Aur ; 1.90; 10200;occ; 83; 0;46008  
 23; 3685.1; 18-DEC-2010 01:10:44; Bright; 33.5; 60; 7Bet UMi ; 2.08; 3950;occ; 67; 0;46008  
 24; 3955.0; 18-DEC-2010 01:15:14; Bright; 63.0; 32; 77Eps UMA ; 1.76; 11000;occ; 126; 0;46008  
 25; 4114.5; 18-DEC-2010 01:17:54; Bright; 43.0; 39; 85Eta UMA ; 1.85; 24000;occ; 86; 0;46008  
 26; 4319.3; 18-DEC-2010 01:21:19; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;46008  
 27; 4514.1; 18-DEC-2010 01:24:33; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;46008  
 28; 4716.6; 18-DEC-2010 01:27:56; Bright; 41.0; 111; 8Eta Boo ; 2.68; 6000;occ; 82; 0;46008

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 4; -1695.5; 17-DEC-2010 06:58:44; Bright; 56.0; 180; 27Gam Boo ; 3.04; 8000;occ; 112; 0;45997  
 5; -1501.8; 17-DEC-2010 07:01:57; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;45997  
 6; -1301.1; 17-DEC-2010 07:05:18; Bright; 58.5; 111; 8Eta Boo ; 2.68; 6000;occ; 117; 0;45997  
 7; -699.2; 17-DEC-2010 07:15:20; Dark ; 52.5; 15; 67Alp Vir ; 0.98; 28000;occ; 105; 0;45997  
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 9; -334.5; 17-DEC-2010 07:21:25; Dark ; 56.5; 106; 9Bet Crv ; 2.65; 5600;occ; 113; 0;45997  
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 11; 46.0; 17-DEC-2010 07:27:45; Dark ; 45.0; 99; Del Cen ; 2.58; 26000;occ; 90; 0;45998  
 12; 279.3; 17-DEC-2010 07:31:38; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;45998  
 13; 501.0; 17-DEC-2010 07:35:20; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;45998  
 14; 591.0; 17-DEC-2010 07:36:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45998  
 15; 781.1; 17-DEC-2010 07:40:00; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;45998  
 16; 908.7; 17-DEC-2010 07:42:08; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;45998  
 17; 1068.3; 17-DEC-2010 07:44:47; Dark ; 53.5; 117; Pi Pup ; 2.71; 3800;occ; 107; 0;45998  
 18; 1260.3; 17-DEC-2010 07:47:59; Dark ; 54.0; 23; 21Eps CMa ; 1.50; 26000;occ; 108; 0;45998  
 19; 1365.9; 17-DEC-2010 07:49:45; Dark ; 49.0; 179; 240mi2CMa ; 3.03; 24000;occ; 98; 0;45998  
 20; 1528.2; 17-DEC-2010 07:52:27; Dark ; 52.5; 47; 2Bet CMa ; 1.98; 28000;occ; 105; 0;45998

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 5; 2303.1; 17-DEC-2010 08:05:22; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;45998  
 6; 2426.3; 17-DEC-2010 08:07:25; Bright; 40.5; 28; 12Bet Tau ; 1.65; 15200;occ; 81; 0;45998  
 7; 2637.3; 17-DEC-2010 08:10:56; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;45998  
 8; 2768.0; 17-DEC-2010 08:13:07; Bright; 55.5; 42; 34Bet Aur ; 1.90; 10200;occ; 111; 0;45998  
 9; 3685.4; 17-DEC-2010 08:28:25; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;45998  
 10; 3957.6; 17-DEC-2010 08:32:57; Bright; 44.0; 32; 77Eps UMA ; 1.76; 11000;occ; 88; 0;45998  
 11; 4115.5; 17-DEC-2010 08:35:35; Bright; 41.0; 39; 85Eta UMA ; 1.85; 24000;occ; 82; 0;45998  
 12; 4318.5; 17-DEC-2010 08:38:58; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;45998  
 13; 4512.3; 17-DEC-2010 08:42:11; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;45998  
 14; 4713.4; 17-DEC-2010 08:45:33; Bright; 42.0; 111; 8Eta Boo ; 2.68; 6000;occ; 84; 0;45998  
 15; 5315.7; 17-DEC-2010 08:55:35; Dark ; 51.5; 15; 67Alp Vir ; 0.98; 28000;occ; 103; 0;45998  
 16; 5603.4; 17-DEC-2010 09:00:23; Dark ; 41.0; 163; 7Del Crv ; 2.94; 11000;occ; 82; 0;45998  
 17; 5680.8; 17-DEC-2010 09:01:40; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;45998  
 18; 5962.1; 17-DEC-2010 09:06:21; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;45998  
 19; 6060.7; 17-DEC-2010 09:08:00; Dark ; 43.0; 99; Del Cen ; 2.58; 26000;occ; 86; 0;45999  
 20; 6294.1; 17-DEC-2010 09:11:53; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;45999  
 21; 6515.8; 17-DEC-2010 09:15:35; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;45999  
 22; 6605.7; 17-DEC-2010 09:17:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45999  
 23; 6795.8; 17-DEC-2010 09:20:15; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;45999  
 24; 6923.4; 17-DEC-2010 09:22:23; Dark ; 52.0; 70; Zet Pup ; 2.25; 39000;occ; 104; 0;45999  
 25; 7082.9; 17-DEC-2010 09:25:02; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;45999  
 26; 7274.7; 17-DEC-2010 09:28:14; Dark ; 55.0; 23; 21Eps CMa ; 1.50; 26000;occ; 110; 0;45999

27; 7380.2; 17-DEC-2010 09:29:59; Dark ; 49.0; 179; 240mi2Cma ; 3.03; 24000;occ; 98; 0;45999  
28; 7542.4; 17-DEC-2010 09:32:41; Dark ; 48.0; 47; 2Bet Cma ; 1.98; 28000;occ; 96; 0;45999  
29; 7752.9; 17-DEC-2010 09:36:12; Dark ; 13.5; 7; 19Bet Ori ; 0.10; 14000;occ; 27; 0;45999  
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3; 2054.4; 17-DEC-2010 09:41:28; Dark ; 56.0; 14; 58Alp Ori ; 0.87; 3000;occ; 112; 0;45999  
4; 2176.1; 17-DEC-2010 09:43:29; Dark ; 45.5; 13; 87Alp Tau ; 0.87; 3800;occ; 91; 0;45999  
5; 2302.7; 17-DEC-2010 09:45:36; Bright; 45.5; 176; 23Zet Tau ; 3.02; 22000;occ; 91; 0;45999  
6; 2425.7; 17-DEC-2010 09:47:39; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;45999  
7; 2636.6; 17-DEC-2010 09:51:10; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;45999  
8; 2767.4; 17-DEC-2010 09:53:21; Bright; 42.0; 42; 34Bet Aur ; 1.90; 10200;occ; 84; 0;45999  
9; 3685.4; 17-DEC-2010 10:08:39; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;45999  
10; 3957.4; 17-DEC-2010 10:13:11; Bright; 44.5; 32; 77Eps UMa ; 1.76; 11000;occ; 89; 0;45999  
11; 4115.2; 17-DEC-2010 10:15:48; Bright; 42.0; 39; 85Eta UMa ; 1.85; 24000;occ; 84; 0;45999  
12; 4318.5; 17-DEC-2010 10:19:12; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;45999  
13; 4512.5; 17-DEC-2010 10:22:26; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;45999  
14; 4713.7; 17-DEC-2010 10:25:47; Bright; 43.0; 111; 8Eta Boo ; 2.68; 6000;occ; 86; 0;45999  
15; 5316.4; 17-DEC-2010 10:35:50; Dark ; 53.5; 15; 67Alp Vir ; 0.98; 28000;occ; 107; 0;45999  
16; 5604.5; 17-DEC-2010 10:40:38; Dark ; 41.0; 163; 7Del Crv ; 2.94; 11000;occ; 82; 0;45999  
17; 5681.8; 17-DEC-2010 10:41:55; Dark ; 55.5; 106; 9Bet Crv ; 2.65; 5600;occ; 111; 0;45999  
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21; 6516.5; 17-DEC-2010 10:55:50; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;46000  
22; 6606.4; 17-DEC-2010 10:57:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46000  
23; 6796.4; 17-DEC-2010 11:00:30; Dark ; 50.5; 34; Gam2Vel ; 1.79; 23000;occ; 101; 0;46000  
24; 6924.0; 17-DEC-2010 11:02:37; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;46000  
25; 7083.3; 17-DEC-2010 11:05:16; Dark ; 50.5; 117; Pi Pup ; 2.71; 3800;occ; 101; 0;46000  
26; 7275.1; 17-DEC-2010 11:08:28; Dark ; 52.5; 23; 21Eps Cma ; 1.50; 26000;occ; 105; 0;46000  
27; 7380.3; 17-DEC-2010 11:10:13; Dark ; 51.0; 179; 240mi2Cma ; 3.03; 24000;occ; 102; 0;46000  
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4; 2054.2; 17-DEC-2010 11:21:41; Dark ; 66.0; 14; 58Alp Ori ; 0.87; 3000;occ; 132; 0;46000  
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6; 2302.4; 17-DEC-2010 11:25:50; Bright; 41.5; 176; 23Zet Tau ; 3.02; 22000;occ; 83; 0;46000  
7; 2425.4; 17-DEC-2010 11:27:53; Bright; 41.5; 28; 12Bet Tau ; 1.65; 15200;occ; 83; 0;46000  
8; 2636.1; 17-DEC-2010 11:31:23; Bright; 43.0; 107; 37The Aur ; 2.65; 11000;occ; 86; 0;46000  
9; 2766.7; 17-DEC-2010 11:33:34; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;46000  
10; 3685.3; 17-DEC-2010 11:48:52; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;46000  
11; 3956.9; 17-DEC-2010 11:53:24; Bright; 43.0; 32; 77Eps UMa ; 1.76; 11000;occ; 86; 0;46000  
12; 4115.2; 17-DEC-2010 11:56:02; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;46000  
13; 4318.6; 17-DEC-2010 11:59:26; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;46000  
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18; 5682.9; 17-DEC-2010 12:22:10; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;46000  
19; 5963.3; 17-DEC-2010 12:26:50; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;46000  
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22; 6517.0; 17-DEC-2010 12:36:04; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;46001  
23; 6607.1; 17-DEC-2010 12:37:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46001  
24; 6797.1; 17-DEC-2010 12:40:44; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;46001  
25; 6924.7; 17-DEC-2010 12:42:52; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 0;46001  
26; 7084.0; 17-DEC-2010 12:45:31; Dark ; 55.0; 117; Pi Pup ; 2.71; 3800;occ; 110; 0;46001  
27; 7275.5; 17-DEC-2010 12:48:43; Dark ; 54.5; 23; 21Eps Cma ; 1.50; 26000;occ; 109; 0;46001  
28; 7380.7; 17-DEC-2010 12:50:28; Dark ; 52.5; 179; 240mi2Cma ; 3.03; 24000;occ; 105; 0;46001  
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19; 1370.1; 18-DEC-2010 05:32:52; Dark ; 52.0; 179; 240mi2CMA ; 3.03; 24000;occ; 104; 0;46011
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23; 2051.0; 18-DEC-2010 05:44:12; Dark ; 65.0; 14; 58Alp Ori ; 0.87; 3000;occ; 130; 0;46011
24; 2175.6; 18-DEC-2010 05:46:17; Dark ; 46.0; 13; 87Alp Tau ; 0.87; 3800;occ; 92; 0;46011
25; 2298.5; 18-DEC-2010 05:48:20; Bright; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;46011
26; 2421.9; 18-DEC-2010 05:50:23; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;46011
27; 2630.2; 18-DEC-2010 05:53:52; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;46011
28; 2761.1; 18-DEC-2010 05:56:03; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;46011
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11; 4114.3; 18-DEC-2010 11:19:18; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;46014
12; 4319.9; 18-DEC-2010 11:22:43; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;46014
13; 4515.3; 18-DEC-2010 11:25:59; Bright; 55.0; 83; ; 2.38; 11000;occ; 110; 0;46014
14; 4718.7; 18-DEC-2010 11:29:22; Bright; 62.0; 111; 8Eta Boo ; 2.68; 6000;occ; 124; 0;46014
15; 5328.1; 18-DEC-2010 11:39:32; Dark ; 52.5; 15; 67Alp Vir ; 0.98; 28000;occ; 105; 0;46014
16; 5538.4; 18-DEC-2010 11:43:02; Dark ; 47.5; 169; 46Gam Hya ; 2.99; 4700;occ; 95; 0;46014
17; 5699.1; 18-DEC-2010 11:45:43; Dark ; 55.5; 106; 9Bet Crv ; 2.65; 5600;occ; 111; 0;46014
18; 5972.4; 18-DEC-2010 11:50:16; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;46014
19; 6072.0; 18-DEC-2010 11:51:56; Dark ; 43.5; 99; Del Cen ; 2.58; 26000;occ; 87; 0;46015
20; 6308.5; 18-DEC-2010 11:55:52; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;46015
21; 6525.6; 18-DEC-2010 11:59:29; Dark ; 44.0; 71; Iot Car ; 2.25; 7700;occ; 88; 0;46015
22; 6617.3; 18-DEC-2010 12:01:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46015
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23; 6806.7; 18-DEC-2010 12:04:10; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;46015  
24; 6935.0; 18-DEC-2010 12:06:19; Dark ; 49.5; 70; Zet Pup ; 2.25; 39000;occ; 99; 0;46015  
25; 7091.5; 18-DEC-2010 12:08:55; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;46015  
26; 7281.0; 18-DEC-2010 12:12:05; Dark ; 51.0; 23; 21Eps CMA ; 1.50; 26000;occ; 102; 0;46015  
27; 7385.4; 18-DEC-2010 12:13:49; Dark ; 49.5; 179; 240mi2CMA ; 3.03; 24000;occ; 99; 0;46015  
28; 7560.4; 18-DEC-2010 12:16:44; Dark ; 54.5; 1; 9Alp CMA ; -1.44; 11000;occ; 109; 0;46015

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1; 1546.5; 18-DEC-2010 12:16:44; Dark ; 65.0; 1; 9Alp CMA ; -1.44; 11000;occ; 130; 0;46015  
2; 1739.8; 18-DEC-2010 12:19:57; Dark ; 49.5; 7; 19Bet Ori ; 0.10; 14000;occ; 99; 0;46015  
3; 1869.6; 18-DEC-2010 12:22:07; Dark ; 47.5; 30; 46Eps Ori ; 1.69; 30000;occ; 95; 0;46015  
4; 2049.9; 18-DEC-2010 12:25:07; Dark ; 54.5; 14; 58Alp Ori ; 0.87; 3000;occ; 109; 0;46015  
5; 2175.6; 18-DEC-2010 12:27:13; Dark ; 45.5; 13; 87Alp Tau ; 0.87; 3800;occ; 91; 0;46015  
6; 2297.1; 18-DEC-2010 12:29:15; Bright; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;46015  
7; 2420.6; 18-DEC-2010 12:31:18; Bright; 42.5; 28; 12Bet Tau ; 1.65; 15200;occ; 85; 0;46015  
8; 2627.8; 18-DEC-2010 12:34:45; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;46015  
9; 2759.0; 18-DEC-2010 12:36:57; Bright; 42.5; 42; 34Bet Aur ; 1.90; 10200;occ; 85; 0;46015  
10; 3685.0; 18-DEC-2010 12:52:23; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;46015  
11; 3953.4; 18-DEC-2010 12:56:51; Bright; 44.0; 32; 77Eps UMa ; 1.76; 11000;occ; 88; 0;46015  
12; 4114.3; 18-DEC-2010 12:59:32; Bright; 41.0; 39; 85Eta UMa ; 1.85; 24000;occ; 82; 0;46015  
13; 4320.1; 18-DEC-2010 13:02:58; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;46015  
14; 4515.4; 18-DEC-2010 13:06:13; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;46015  
15; 4719.0; 18-DEC-2010 13:09:37; Bright; 43.0; 111; 8Eta Boo ; 2.68; 6000;occ; 86; 0;46015  
16; 5329.0; 18-DEC-2010 13:19:47; Dark ; 53.0; 15; 67Alp Vir ; 0.98; 28000;occ; 106; 0;46015  
17; 5539.2; 18-DEC-2010 13:23:17; Dark ; 46.5; 169; 46Gam Hya ; 2.99; 4700;occ; 93; 0;46015  
18; 5700.3; 18-DEC-2010 13:25:58; Dark ; 52.0; 106; 9Bet Crv ; 2.65; 5600;occ; 104; 0;46015  
19; 5973.0; 18-DEC-2010 13:30:31; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;46015  
20; 6072.9; 18-DEC-2010 13:32:10; Dark ; 43.0; 99; Del Cen ; 2.58; 26000;occ; 86; 0;46016  
21; 6309.5; 18-DEC-2010 13:36:07; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;46016  
22; 6526.2; 18-DEC-2010 13:39:44; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;46016  
23; 6618.1; 18-DEC-2010 13:41:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46016  
24; 6807.5; 18-DEC-2010 13:44:25; Dark ; 53.0; 34; Gam2Vel ; 1.79; 23000;occ; 106; 0;46016  
25; 6935.7; 18-DEC-2010 13:46:33; Dark ; 51.5; 70; Zet Pup ; 2.25; 39000;occ; 103; 0;46016  
26; 7092.1; 18-DEC-2010 13:49:10; Dark ; 52.5; 117; Pi Pup ; 2.71; 3800;occ; 105; 0;46016  
27; 7281.5; 18-DEC-2010 13:52:19; Dark ; 55.5; 23; 21Eps CMA ; 1.50; 26000;occ; 111; 0;46016  
28; 7385.7; 18-DEC-2010 13:54:03; Dark ; 52.5; 179; 240mi2CMA ; 3.03; 24000;occ; 105; 0;46016

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1; 1546.6; 18-DEC-2010 13:56:58; Dark ; 61.5; 1; 9Alp CMA ; -1.44; 11000;occ; 123; 0;46016  
2; 1739.9; 18-DEC-2010 14:00:11; Dark ; 48.0; 7; 19Bet Ori ; 0.10; 14000;occ; 96; 0;46016  
3; 1869.6; 18-DEC-2010 14:02:21; Dark ; 50.0; 30; 46Eps Ori ; 1.69; 30000;occ; 100; 0;46016  
4; 2049.8; 18-DEC-2010 14:05:21; Dark ; 56.0; 14; 58Alp Ori ; 0.87; 3000;occ; 112; 0;46016  
5; 2175.5; 18-DEC-2010 14:07:27; Dark ; 46.5; 13; 87Alp Tau ; 0.87; 3800;occ; 93; 0;46016  
6; 2296.9; 18-DEC-2010 14:09:28; Bright; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;46016  
7; 2420.3; 18-DEC-2010 14:11:32; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;46016  
8; 2627.5; 18-DEC-2010 14:14:59; Bright; 43.0; 107; 37The Aur ; 2.65; 11000;occ; 86; 0;46016  
9; 2758.5; 18-DEC-2010 14:17:10; Bright; 41.0; 42; 34Bet Aur ; 1.90; 10200;occ; 82; 0;46016  
10; 3685.0; 18-DEC-2010 14:32:36; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;46016  
11; 3953.4; 18-DEC-2010 14:37:05; Bright; 43.0; 32; 77Eps UMa ; 1.76; 11000;occ; 86; 0;46016  
12; 4114.3; 18-DEC-2010 14:39:46; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;46016  
13; 4320.2; 18-DEC-2010 14:43:12; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;46016  
14; 4515.6; 18-DEC-2010 14:46:27; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;46016  
15; 4719.5; 18-DEC-2010 14:49:51; Bright; 43.5; 111; 8Eta Boo ; 2.68; 6000;occ; 87; 0;46016  
16; 5329.8; 18-DEC-2010 15:00:01; Dark ; 52.0; 15; 67Alp Vir ; 0.98; 28000;occ; 104; 0;46016  
17; 5540.1; 18-DEC-2010 15:03:32; Dark ; 50.0; 169; 46Gam Hya ; 2.99; 4700;occ; 100; 0;46016  
18; 5701.5; 18-DEC-2010 15:06:13; Dark ; 53.5; 106; 9Bet Crv ; 2.65; 5600;occ; 107; 0;46016  
19; 5973.8; 18-DEC-2010 15:10:45; Dark ; 42.5; 64; Gam Cen ; 2.20; 10600;occ; 85; 0;46016  
20; 6073.6; 18-DEC-2010 15:12:25; Dark ; 42.0; 99; Del Cen ; 2.58; 26000;occ; 84; 0;46017  
21; 6310.3; 18-DEC-2010 15:16:22; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46017  
22; 6527.0; 18-DEC-2010 15:19:58; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;46017  
23; 6618.9; 18-DEC-2010 15:21:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46017  
24; 6808.0; 18-DEC-2010 15:24:40; Dark ; 50.0; 34; Gam2Vel ; 1.79; 23000;occ; 100; 0;46017  
25; 6936.5; 18-DEC-2010 15:26:48; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;46017  
26; 7092.7; 18-DEC-2010 15:29:24; Dark ; 48.5; 117; Pi Pup ; 2.71; 3800;occ; 97; 0;46017  
27; 7282.0; 18-DEC-2010 15:32:33; Dark ; 55.0; 23; 21Eps CMA ; 1.50; 26000;occ; 110; 0;46017  
28; 7385.9; 18-DEC-2010 15:34:17; Dark ; 10.0; 179; 240mi2CMA ; 3.03; 24000;occ; 20; 0;46017

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1; 1371.9; 18-DEC-2010 15:34:17; Dark ; 52.5; 179; 240mi2CMA ; 3.03; 24000;occ; 105; 0;46017  
2; 1546.7; 18-DEC-2010 15:37:12; Dark ; 70.5; 1; 9Alp CMA ; -1.44; 11000;occ; 141; 0;46017  
3; 1739.9; 18-DEC-2010 15:40:25; Dark ; 47.0; 7; 19Bet Ori ; 0.10; 14000;occ; 94; 0;46017

4;	1869.4;	18-DEC-2010	15:42:35;	Dark	;	46.0;	30;	46Eps Ori	;	1.69;	30000;occ;	92;	0;	46017
5;	2049.5;	18-DEC-2010	15:45:35;	Dark	;	57.5;	14;	58Alp Ori	;	0.87;	3000;occ;	115;	0;	46017
6;	2175.5;	18-DEC-2010	15:47:41;	Dark	;	46.5;	13;	87Alp Tau	;	0.87;	3800;occ;	93;	0;	46017
7;	2296.5;	18-DEC-2010	15:49:42;	Bright;		46.5;	176;	23Zet Tau	;	3.02;	22000;occ;	93;	0;	46017
8;	2419.9;	18-DEC-2010	15:51:45;	Bright;		42.0;	28;	12Bet Tau	;	1.65;	15200;occ;	84;	0;	46017
9;	2626.8;	18-DEC-2010	15:55:12;	Bright;		43.0;	107;	37The Aur	;	2.65;	11000;occ;	86;	0;	46017
10;	2757.8;	18-DEC-2010	15:57:23;	Bright;		42.0;	42;	34Bet Aur	;	1.90;	10200;occ;	84;	0;	46017
11;	3685.0;	18-DEC-2010	16:12:51;	Bright;		38.5;	60;	7Bet UMi	;	2.08;	3950;occ;	77;	0;	46017
12;	3953.1;	18-DEC-2010	16:17:19;	Bright;		45.0;	32;	77Eps UMa	;	1.76;	11000;occ;	90;	0;	46017
13;	4114.1;	18-DEC-2010	16:20:00;	Bright;		42.0;	39;	85Eta UMa	;	1.85;	24000;occ;	84;	0;	46017
14;	4320.3;	18-DEC-2010	16:23:26;	Bright;		37.0;	180;	27Gam Boo	;	3.04;	8000;occ;	74;	0;	46017
15;	4515.7;	18-DEC-2010	16:26:41;	Bright;		37.5;	83;		;	2.38;	11000;occ;	75;	0;	46017
16;	4719.9;	18-DEC-2010	16:30:05;	Bright;		40.5;	111;	8Eta Boo	;	2.68;	6000;occ;	81;	0;	46017
17;	5330.7;	18-DEC-2010	16:40:16;	Dark	;	53.0;	15;	67Alp Vir	;	0.98;	28000;occ;	106;	0;	46017
18;	5540.9;	18-DEC-2010	16:43:46;	Dark	;	48.0;	169;	46Gam Hya	;	2.99;	4700;occ;	96;	0;	46017
19;	5702.6;	18-DEC-2010	16:46:28;	Dark	;	58.5;	106;	9Bet Crv	;	2.65;	5600;occ;	117;	0;	46017
20;	5974.5;	18-DEC-2010	16:51:00;	Dark	;	42.0;	64;	Gam Cen	;	2.20;	10600;occ;	84;	0;	46017
21;	6074.5;	18-DEC-2010	16:52:40;	Dark	;	42.5;	99;	Del Cen	;	2.58;	26000;occ;	85;	0;	46018
22;	6311.3;	18-DEC-2010	16:56:37;	Dark	;	45.0;	113;	Mu Vel	;	2.69;	5000;occ;	90;	0;	46018
23;	6527.6;	18-DEC-2010	17:00:13;	Dark	;	43.0;	71;	Iot Car	;	2.25;	7700;occ;	86;	0;	46018
24;	6619.7;	18-DEC-2010	17:01:45;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	46018
25;	6808.8;	18-DEC-2010	17:04:54;	Dark	;	46.5;	34;	Gam2Vel	;	1.79;	23000;occ;	93;	0;	46018
26;	6937.3;	18-DEC-2010	17:07:03;	Dark	;	51.0;	70;	Zet Pup	;	2.25;	39000;occ;	102;	0;	46018
27;	7093.2;	18-DEC-2010	17:09:39;	Dark	;	54.5;	117;	Pi Pup	;	2.71;	3800;occ;	109;	0;	46018

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1;	1268.4;	18-DEC-2010	17:12:48;	Dark	;	52.5;	23;	21Eps CMA	;	1.50;	26000;occ;	105;	0;	46018
2;	1372.1;	18-DEC-2010	17:14:32;	Dark	;	52.0;	179;	240mi2CMA	;	3.03;	24000;occ;	104;	0;	46018
3;	1546.9;	18-DEC-2010	17:17:27;	Dark	;	66.5;	1;	9Alp CMA	;	-1.44;	11000;occ;	133;	0;	46018
4;	1740.0;	18-DEC-2010	17:20:40;	Dark	;	48.5;	7;	19Bet Ori	;	0.10;	14000;occ;	97;	0;	46018
5;	1869.3;	18-DEC-2010	17:22:49;	Dark	;	47.0;	30;	46Eps Ori	;	1.69;	30000;occ;	94;	0;	46018
6;	2049.2;	18-DEC-2010	17:25:49;	Dark	;	64.0;	14;	58Alp Ori	;	0.87;	3000;occ;	128;	0;	46018
7;	2175.4;	18-DEC-2010	17:27:55;	Dark	;	50.5;	13;	87Alp Tau	;	0.87;	3800;occ;	101;	0;	46018
8;	2296.2;	18-DEC-2010	17:29:56;	Bright;		41.0;	176;	23Zet Tau	;	3.02;	22000;occ;	82;	0;	46018
9;	2419.7;	18-DEC-2010	17:31:59;	Bright;		42.5;	28;	12Bet Tau	;	1.65;	15200;occ;	85;	0;	46018
10;	2626.0;	18-DEC-2010	17:35:26;	Bright;		44.5;	107;	37The Aur	;	2.65;	11000;occ;	89;	0;	46018
11;	2757.4;	18-DEC-2010	17:37:37;	Bright;		41.0;	42;	34Bet Aur	;	1.90;	10200;occ;	82;	0;	46018
12;	3684.9;	18-DEC-2010	17:53:05;	Bright;		38.0;	60;	7Bet UMi	;	2.08;	3950;occ;	76;	0;	46018
13;	3952.8;	18-DEC-2010	17:57:32;	Bright;		43.5;	32;	77Eps UMa	;	1.76;	11000;occ;	87;	0;	46018
14;	4114.0;	18-DEC-2010	18:00:14;	Bright;		41.0;	39;	85Eta UMa	;	1.85;	24000;occ;	82;	0;	46018
15;	4320.2;	18-DEC-2010	18:03:40;	Bright;		56.0;	180;	27Gam Boo	;	3.04;	8000;occ;	112;	0;	46018
16;	4516.0;	18-DEC-2010	18:06:56;	Bright;		35.5;	83;		;	2.38;	11000;occ;	71;	0;	46018
17;	4720.1;	18-DEC-2010	18:10:20;	Bright;		62.0;	111;	8Eta Boo	;	2.68;	6000;occ;	124;	0;	46018
18;	5331.6;	18-DEC-2010	18:20:31;	Dark	;	48.5;	15;	67Alp Vir	;	0.98;	28000;occ;	97;	0;	46018
19;	5541.7;	18-DEC-2010	18:24:01;	Dark	;	44.5;	169;	46Gam Hya	;	2.99;	4700;occ;	89;	0;	46018
20;	5703.8;	18-DEC-2010	18:26:43;	Dark	;	55.5;	106;	9Bet Crv	;	2.65;	5600;occ;	111;	0;	46018
21;	5975.2;	18-DEC-2010	18:31:15;	Dark	;	42.0;	64;	Gam Cen	;	2.20;	10600;occ;	84;	0;	46018
22;	6075.2;	18-DEC-2010	18:32:55;	Dark	;	41.5;	99;	Del Cen	;	2.58;	26000;occ;	83;	0;	46019
23;	6312.2;	18-DEC-2010	18:36:52;	Dark	;	46.0;	113;	Mu Vel	;	2.69;	5000;occ;	92;	0;	46019
24;	6528.1;	18-DEC-2010	18:40:28;	Dark	;	41.5;	71;	Iot Car	;	2.25;	7700;occ;	83;	0;	46019
25;	6620.4;	18-DEC-2010	18:42:00;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	46019
26;	6809.6;	18-DEC-2010	18:45:09;	Dark	;	45.0;	34;	Gam2Vel	;	1.79;	23000;occ;	90;	0;	46019
27;	6938.0;	18-DEC-2010	18:47:18;	Dark	;	50.0;	70;	Zet Pup	;	2.25;	39000;occ;	100;	0;	46019
28;	7093.7;	18-DEC-2010	18:49:53;	Dark	;	25.0;	117;	Pi Pup	;	2.71;	3800;occ;	50;	0;	46019

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1;	1079.6;	18-DEC-2010	18:49:53;	Dark	;	54.0;	117;	Pi Pup	;	2.71;	3800;occ;	108;	0;	46019
2;	1268.6;	18-DEC-2010	18:53:02;	Dark	;	53.0;	23;	21Eps CMA	;	1.50;	26000;occ;	106;	0;	46019
3;	1372.5;	18-DEC-2010	18:54:46;	Dark	;	49.5;	179;	240mi2CMA	;	3.03;	24000;occ;	99;	0;	46019
4;	1546.9;	18-DEC-2010	18:57:41;	Dark	;	66.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	132;	0;	46019
5;	1740.1;	18-DEC-2010	19:00:54;	Dark	;	48.5;	7;	19Bet Ori	;	0.10;	14000;occ;	97;	0;	46019
6;	1869.1;	18-DEC-2010	19:03:03;	Dark	;	48.0;	30;	46Eps Ori	;	1.69;	30000;occ;	96;	0;	46019
7;	2048.9;	18-DEC-2010	19:06:03;	Dark	;	56.5;	14;	58Alp Ori	;	0.87;	3000;occ;	113;	0;	46019
8;	2175.4;	18-DEC-2010	19:08:09;	Dark	;	52.5;	13;	87Alp Tau	;	0.87;	3800;occ;	105;	0;	46019
9;	2295.7;	18-DEC-2010	19:10:09;	Bright;		42.0;	176;	23Zet Tau	;	3.02;	22000;occ;	84;	0;	46019
10;	2419.3;	18-DEC-2010	19:12:13;	Bright;		43.0;	28;	12Bet Tau	;	1.65;	15200;occ;	86;	0;	46019
11;	2625.5;	18-DEC-2010	19:15:39;	Bright;		44.5;	107;	37The Aur	;	2.65;	11000;occ;	89;	0;	46019
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13;	3684.8;	18-DEC-2010	19:33:19;	Bright;		53.0;	60;	7Bet UMi	;	2.08;	3950;occ;	106;	0;	46019
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6; 2287.7; 20-DEC-2010 14:36:06; Bright; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;46045  
7; 2411.5; 20-DEC-2010 14:38:10; Bright; 42.5; 28; 12Bet Tau ; 1.65; 15200;occ; 85; 0;46045  
8; 2612.3; 20-DEC-2010 14:41:31; Bright; 42.0; 107; 37The Aur ; 2.65; 11000;occ; 84; 0;46045  
9; 2705.6; 20-DEC-2010 14:43:04; Bright; 44.5; 6; 13Alp Aur ; 0.08; 3400;occ; 89; 0;46045  
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12; 4111.7; 20-DEC-2010 15:06:30; Bright; 42.5; 39; 85Eta UMa ; 1.85; 24000;occ; 85; 0;46045  
13; 4322.4; 20-DEC-2010 15:10:01; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;46045  
14; 4520.8; 20-DEC-2010 15:13:19; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;46045

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17; 5564.5; 20-DEC-2010 15:30:43; Dark ; 51.5; 169; 46Gam Hya ; 2.99; 4700;occ; 103; 0;46045  
18; 5736.5; 20-DEC-2010 15:33:35; Dark ; 60.0; 106; 9Bet Crv ; 2.65; 5600;occ; 120; 0;46045  
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21; 6336.7; 20-DEC-2010 15:43:35; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;46046  
22; 6544.4; 20-DEC-2010 15:47:03; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;46046  
23; 6639.6; 20-DEC-2010 15:48:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46046  
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25; 6956.7; 20-DEC-2010 15:53:55; Dark ; 51.5; 70; Zet Pup ; 2.25; 39000;occ; 103; 0;46046  
26; 7107.4; 20-DEC-2010 15:56:26; Dark ; 53.0; 117; Pi Pup ; 2.71; 3800;occ; 106; 0;46046  
27; 7292.8; 20-DEC-2010 15:59:31; Dark ; 51.0; 23; 21Eps CMa ; 1.50; 26000;occ; 102; 0;46046

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3; 1550.2; 20-DEC-2010 16:04:03; Dark ; 61.5; 1; 9Alp CMa ; -1.44; 11000;occ; 123; 0;46046  
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8; 2411.3; 20-DEC-2010 16:18:24; Bright; 41.5; 28; 12Bet Tau ; 1.65; 15200;occ; 83; 0;46046  
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13; 4111.4; 20-DEC-2010 16:46:44; Bright; 42.0; 39; 85Eta UMa ; 1.85; 24000;occ; 84; 0;46046  
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4; 1381.1; 20-DEC-2010 17:41:28; Dark ; 52.0; 179; 24Omi2CMa ; 3.03; 24000;occ; 104; 0;46047  
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9; 2286.7; 20-DEC-2010 17:56:33; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;46047  
10; 2410.9; 20-DEC-2010 17:58:37; Bright; 41.5; 28; 12Bet Tau ; 1.65; 15200;occ; 83; 0;46047  
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13; 3683.6; 20-DEC-2010 18:19:50; Bright; 54.0; 60; 7Bet UMi ; 2.08; 3950;occ; 108; 0;46047  
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4; 1279.7; 20-DEC-2010 19:20:00; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;46048
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13; 2704.6; 20-DEC-2010 19:43:45; Bright; 41.5; 6; 13Alp Aur ; 0.08; 3400;occ; 83; 0;46048
14; 3683.5; 20-DEC-2010 20:00:04; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;46048
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18; 4521.2; 20-DEC-2010 20:14:02; Bright; 56.0; 83; ; 2.38; 11000;occ; 112; 0;46048
19; 4730.3; 20-DEC-2010 20:17:31; Bright; 44.5; 111; 8Eta Boo ; 2.68; 6000;occ; 89; 0;46048
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26; 6546.0; 20-DEC-2010 20:47:47; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;46049
27; 6641.7; 20-DEC-2010 20:49:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46049
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8; 629.8; 21-DEC-2010 01:50:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46052
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13; 1382.5; 21-DEC-2010 02:02:39; Dark ; 51.0; 179; 240mi2CMA ; 3.03; 24000;occ; 102; 0;46052
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15; 1742.2; 21-DEC-2010 02:08:39; Dark ; 51.0; 7; 19Bet Ori ; 0.10; 14000;occ; 102; 0;46052
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17; 2040.6; 21-DEC-2010 02:13:37; Dark ; 62.0; 14; 58Alp Ori ; 0.87; 3000;occ; 124; 0;46052
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19; 2608.6; 21-DEC-2010 02:23:05; Bright; 41.5; 107; 37The Aur ; 2.65; 11000;occ; 83; 0;46052
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12; 329.0; 21-DEC-2010 03:25:20; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46053
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 26; 2703.4; 21-DEC-2010 04:04:54; Bright; 42.5; 6; 13Alp Aur ; 0.08; 3400;occ; 85; 0;46053  
 27; 3683.4; 21-DEC-2010 04:21:14; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;46053

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20; 6550.9; 21-DEC-2010 10:09:44; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;46057
21; 6647.2; 21-DEC-2010 10:11:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46057
22; 6834.5; 21-DEC-2010 10:14:27; Dark ; 49.5; 34; Gam2Vel ; 1.79; 23000;occ; 99; 0;46057
23; 6964.1; 21-DEC-2010 10:16:37; Dark ; 49.5; 70; Zet Pup ; 2.25; 39000;occ; 99; 0;46057
24; 7112.7; 21-DEC-2010 10:19:06; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;46057
25; 7296.8; 21-DEC-2010 10:22:10; Dark ; 48.5; 23; 21Eps CMa ; 1.50; 26000;occ; 97; 0;46057
26; 7397.8; 21-DEC-2010 10:23:51; Dark ; 50.0; 179; 24Omi2CMa ; 3.03; 24000;occ; 100; 0;46057
27; 7565.5; 21-DEC-2010 10:26:38; Dark ; 62.0; 1; 9Alp CMa ; -1.44; 11000;occ; 124; 0;46057
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 2; 1867.3; 21-DEC-2010 10:31:54; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;46057
 3; 2039.6; 21-DEC-2010 10:34:46; Dark ; 62.0; 14; 58Alp Ori ; 0.87; 3000;occ; 124; 0;46057
 4; 2284.1; 21-DEC-2010 10:38:51; Bright; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;46057
 5; 2408.3; 21-DEC-2010 10:40:55; Bright; 40.5; 28; 12Bet Tau ; 1.65; 15200;occ; 81; 0;46057
 6; 2606.2; 21-DEC-2010 10:44:13; Bright; 42.0; 107; 37The Aur ; 2.65; 11000;occ; 84; 0;46057
 7; 2702.3; 21-DEC-2010 10:45:49; Bright; 44.5; 6; 13Alp Aur ; 0.08; 3400;occ; 89; 0;46057
 8; 3683.2; 21-DEC-2010 11:02:10; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;46057
 9; 3942.4; 21-DEC-2010 11:06:29; Bright; 43.0; 32; 77Eps UMa ; 1.76; 11000;occ; 86; 0;46057
10; 4110.3; 21-DEC-2010 11:09:17; Bright; 43.5; 39; 85Eta UMa ; 1.85; 24000;occ; 87; 0;46057

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12; 4522.7; 21-DEC-2010 11:16:10; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;46057  
13; 4733.6; 21-DEC-2010 11:19:40; Bright; 44.5; 111; 8Eta Boo ; 2.68; 6000;occ; 89; 0;46057  
14; 5364.6; 21-DEC-2010 11:30:11; Dark ; 51.0; 15; 67Alp Vir ; 0.98; 28000;occ; 102; 0;46057  
15; 5574.9; 21-DEC-2010 11:33:42; Dark ; 48.0; 169; 46Gam Hya ; 2.99; 4700;occ; 96; 0;46057  
16; 5751.5; 21-DEC-2010 11:36:38; Dark ; 60.0; 106; 9Bet Crv ; 2.65; 5600;occ; 120; 0;46057  
17; 6001.6; 21-DEC-2010 11:40:48; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;46057  
18; 6103.9; 21-DEC-2010 11:42:31; Dark ; 42.0; 26; Gam Cru ; 1.62; 2900;occ; 84; 0;46058  
19; 6347.4; 21-DEC-2010 11:46:34; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46058  
20; 6551.5; 21-DEC-2010 11:49:58; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;46058  
21; 6647.9; 21-DEC-2010 11:51:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46058  
22; 6835.1; 21-DEC-2010 11:54:42; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;46058  
23; 6964.7; 21-DEC-2010 11:56:51; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 0;46058  
24; 7113.2; 21-DEC-2010 11:59:20; Dark ; 50.5; 117; Pi Pup ; 2.71; 3800;occ; 101; 0;46058  
25; 7297.2; 21-DEC-2010 12:02:24; Dark ; 52.0; 23; 21Eps CMA ; 1.50; 26000;occ; 104; 0;46058  
26; 7398.2; 21-DEC-2010 12:04:05; Dark ; 49.5; 179; 240mi2CMA ; 3.03; 24000;occ; 99; 0;46058  
27; 7565.6; 21-DEC-2010 12:06:52; Dark ; 61.0; 1; 9Alp CMA ; -1.44; 11000;occ; 122; 0;46058

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3; 2039.4; 21-DEC-2010 12:15:00; Dark ; 56.0; 14; 58Alp Ori ; 0.87; 3000;occ; 112; 0;46058  
4; 2283.8; 21-DEC-2010 12:19:05; Bright; 39.5; 176; 23Zet Tau ; 3.02; 22000;occ; 79; 0;46058  
5; 2408.0; 21-DEC-2010 12:21:09; Bright; 41.5; 28; 12Bet Tau ; 1.65; 15200;occ; 83; 0;46058  
6; 2605.8; 21-DEC-2010 12:24:27; Bright; 42.0; 107; 37The Aur ; 2.65; 11000;occ; 84; 0;46058  
7; 2702.1; 21-DEC-2010 12:26:03; Bright; 40.0; 6; 13Alp Aur ; 0.08; 3400;occ; 80; 0;46058  
8; 3683.1; 21-DEC-2010 12:42:24; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;46058  
9; 3942.1; 21-DEC-2010 12:46:43; Bright; 45.0; 32; 77Eps UMa ; 1.76; 11000;occ; 90; 0;46058  
10; 4110.2; 21-DEC-2010 12:49:31; Bright; 41.0; 39; 85Eta UMa ; 1.85; 24000;occ; 82; 0;46058  
11; 4323.2; 21-DEC-2010 12:53:04; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;46058  
12; 4523.0; 21-DEC-2010 12:56:24; Bright; 56.0; 83; ; 2.38; 11000;occ; 112; 0;46058  
13; 4734.2; 21-DEC-2010 12:59:55; Bright; 46.5; 111; 8Eta Boo ; 2.68; 6000;occ; 93; 0;46058  
14; 5365.6; 21-DEC-2010 13:10:26; Dark ; 54.5; 15; 67Alp Vir ; 0.98; 28000;occ; 109; 0;46058  
15; 5575.9; 21-DEC-2010 13:13:57; Dark ; 50.5; 169; 46Gam Hya ; 2.99; 4700;occ; 101; 0;46058  
16; 5752.7; 21-DEC-2010 13:16:53; Dark ; 54.5; 106; 9Bet Crv ; 2.65; 5600;occ; 109; 0;46058  
17; 6002.2; 21-DEC-2010 13:21:03; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;46058  
18; 6103.1; 21-DEC-2010 13:22:44; Dark ; 42.0; 26; Gam Cru ; 1.62; 2900;occ; 84; 0;46059  
19; 6348.4; 21-DEC-2010 13:26:49; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;46059  
20; 6552.2; 21-DEC-2010 13:30:13; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;46059  
21; 6648.6; 21-DEC-2010 13:31:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46059  
22; 6835.6; 21-DEC-2010 13:34:56; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;46059  
23; 6965.4; 21-DEC-2010 13:37:06; Dark ; 48.5; 70; Zet Pup ; 2.25; 39000;occ; 97; 0;46059  
24; 7113.8; 21-DEC-2010 13:39:35; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;46059  
25; 7297.6; 21-DEC-2010 13:42:38; Dark ; 50.0; 23; 21Eps CMA ; 1.50; 26000;occ; 100; 0;46059  
26; 7398.6; 21-DEC-2010 13:44:19; Dark ; 49.5; 179; 240mi2CMA ; 3.03; 24000;occ; 99; 0;46059

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3; 1867.3; 21-DEC-2010 13:52:22; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;46059  
4; 2039.3; 21-DEC-2010 13:55:14; Dark ; 58.0; 14; 58Alp Ori ; 0.87; 3000;occ; 116; 0;46059  
5; 2283.7; 21-DEC-2010 13:59:18; Bright; 60.0; 176; 23Zet Tau ; 3.02; 22000;occ; 120; 0;46059  
6; 2407.6; 21-DEC-2010 14:01:22; Bright; 41.5; 28; 12Bet Tau ; 1.65; 15200;occ; 83; 0;46059  
7; 2605.4; 21-DEC-2010 14:04:40; Bright; 42.0; 107; 37The Aur ; 2.65; 11000;occ; 84; 0;46059  
8; 2701.9; 21-DEC-2010 14:06:17; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;46059  
9; 3683.1; 21-DEC-2010 14:22:38; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;46059  
10; 3941.9; 21-DEC-2010 14:26:57; Bright; 45.5; 32; 77Eps UMa ; 1.76; 11000;occ; 91; 0;46059  
11; 4110.1; 21-DEC-2010 14:29:45; Bright; 42.5; 39; 85Eta UMa ; 1.85; 24000;occ; 85; 0;46059  
12; 4323.3; 21-DEC-2010 14:33:18; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;46059  
13; 4523.3; 21-DEC-2010 14:36:38; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;46059  
14; 4734.5; 21-DEC-2010 14:40:09; Bright; 43.5; 111; 8Eta Boo ; 2.68; 6000;occ; 87; 0;46059  
15; 5366.4; 21-DEC-2010 14:50:41; Dark ; 55.0; 15; 67Alp Vir ; 0.98; 28000;occ; 110; 0;46059  
16; 5576.9; 21-DEC-2010 14:54:12; Dark ; 52.5; 169; 46Gam Hya ; 2.99; 4700;occ; 105; 0;46059  
17; 5754.2; 21-DEC-2010 14:57:09; Dark ; 56.0; 106; 9Bet Crv ; 2.65; 5600;occ; 112; 0;46059  
18; 6003.0; 21-DEC-2010 15:01:18; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;46059  
19; 6103.7; 21-DEC-2010 15:02:58; Dark ; 43.0; 26; Gam Cru ; 1.62; 2900;occ; 86; 0;46060  
20; 6349.2; 21-DEC-2010 15:07:04; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;46060  
21; 6552.7; 21-DEC-2010 15:10:27; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;46060  
22; 6649.4; 21-DEC-2010 15:12:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46060  
23; 6836.3; 21-DEC-2010 15:15:11; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;46060

24; 6966.1; 21-DEC-2010 15:17:21; Dark ; 48.5; 70; Zet Pup ; 2.25; 39000;occ; 97; 0;46060  
25; 7114.3; 21-DEC-2010 15:19:49; Dark ; 52.0; 117; Pi Pup ; 2.71; 3800;occ; 104; 0;46060  
26; 7298.0; 21-DEC-2010 15:22:53; Dark ; 54.5; 23; 21Eps CMA ; 1.50; 26000;occ; 109; 0;46060  
27; 7399.0; 21-DEC-2010 15:24:34; Dark ; 7.0; 179; 240mi2CMA ; 3.03; 24000;occ; 14; 0;46060

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3; 1742.8; 21-DEC-2010 15:30:32; Dark ; 47.5; 7; 19Bet Ori ; 0.10; 14000;occ; 95; 0;46060  
4; 1867.3; 21-DEC-2010 15:32:36; Dark ; 45.5; 30; 46Eps Ori ; 1.69; 30000;occ; 91; 0;46060  
5; 2039.0; 21-DEC-2010 15:35:28; Dark ; 55.5; 14; 58Alp Ori ; 0.87; 3000;occ; 111; 0;46060  
6; 2283.3; 21-DEC-2010 15:39:32; Bright; 47.0; 176; 23Zet Tau ; 3.02; 22000;occ; 94; 0;46060  
7; 2407.5; 21-DEC-2010 15:41:36; Bright; 42.0; 28; 12Bet Tau ; 1.65; 15200;occ; 84; 0;46060  
8; 2604.9; 21-DEC-2010 15:44:54; Bright; 57.5; 107; 37The Aur ; 2.65; 11000;occ; 115; 0;46060  
9; 2701.6; 21-DEC-2010 15:46:30; Bright; 44.0; 6; 13Alp Aur ; 0.08; 3400;occ; 88; 0;46060  
10; 3682.9; 21-DEC-2010 16:02:52; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;46060  
11; 3941.6; 21-DEC-2010 16:07:10; Bright; 45.0; 32; 77Eps UMa ; 1.76; 11000;occ; 90; 0;46060  
12; 4110.1; 21-DEC-2010 16:09:59; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;46060  
13; 4323.6; 21-DEC-2010 16:13:32; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;46060  
14; 4523.5; 21-DEC-2010 16:16:52; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;46060  
15; 4734.8; 21-DEC-2010 16:20:24; Bright; 44.5; 111; 8Eta Boo ; 2.68; 6000;occ; 89; 0;46060  
16; 5367.3; 21-DEC-2010 16:30:56; Dark ; 57.0; 15; 67Alp Vir ; 0.98; 28000;occ; 114; 0;46060  
17; 5577.7; 21-DEC-2010 16:34:26; Dark ; 46.5; 169; 46Gam Hya ; 2.99; 4700;occ; 93; 0;46060  
18; 5755.4; 21-DEC-2010 16:37:24; Dark ; 60.0; 106; 9Bet Crv ; 2.65; 5600;occ; 120; 0;46060  
19; 6003.7; 21-DEC-2010 16:41:32; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;46060  
20; 6104.2; 21-DEC-2010 16:43:13; Dark ; 41.5; 26; Gam Cru ; 1.62; 2900;occ; 83; 0;46061  
21; 6350.4; 21-DEC-2010 16:47:19; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;46061  
22; 6553.4; 21-DEC-2010 16:50:42; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;46061  
23; 6650.2; 21-DEC-2010 16:52:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46061  
24; 6837.0; 21-DEC-2010 16:55:26; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;46061  
25; 6966.9; 21-DEC-2010 16:57:36; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;46061  
26; 7114.9; 21-DEC-2010 17:00:04; Dark ; 52.0; 117; Pi Pup ; 2.71; 3800;occ; 104; 0;46061  
27; 7298.5; 21-DEC-2010 17:03:07; Dark ; 4.0; 23; 21Eps CMA ; 1.50; 26000;occ; 8; 0;46061

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3; 1552.2; 21-DEC-2010 17:07:35; Dark ; 68.0; 1; 9Alp CMA ; -1.44; 11000;occ; 136; 0;46061  
4; 1743.0; 21-DEC-2010 17:10:46; Dark ; 47.0; 7; 19Bet Ori ; 0.10; 14000;occ; 94; 0;46061  
5; 1867.2; 21-DEC-2010 17:12:50; Dark ; 48.0; 30; 46Eps Ori ; 1.69; 30000;occ; 96; 0;46061  
6; 2038.7; 21-DEC-2010 17:15:42; Dark ; 59.0; 14; 58Alp Ori ; 0.87; 3000;occ; 118; 0;46061  
7; 2283.0; 21-DEC-2010 17:19:46; Bright; 42.0; 176; 23Zet Tau ; 3.02; 22000;occ; 84; 0;46061  
8; 2407.0; 21-DEC-2010 17:21:50; Bright; 42.0; 28; 12Bet Tau ; 1.65; 15200;occ; 84; 0;46061  
9; 2604.4; 21-DEC-2010 17:25:07; Bright; 42.5; 107; 37The Aur ; 2.65; 11000;occ; 85; 0;46061  
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11; 3682.9; 21-DEC-2010 17:43:06; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;46061  
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13; 4109.9; 21-DEC-2010 17:50:13; Bright; 50.5; 39; 85Eta UMa ; 1.85; 24000;occ; 101; 0;46061  
14; 4323.5; 21-DEC-2010 17:53:46; Bright; 57.0; 180; 27Gam Boo ; 3.04; 8000;occ; 114; 0;46061  
15; 4523.6; 21-DEC-2010 17:57:07; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;46061  
16; 4735.2; 21-DEC-2010 18:00:38; Bright; 45.5; 111; 8Eta Boo ; 2.68; 6000;occ; 91; 0;46061  
17; 5368.4; 21-DEC-2010 18:11:11; Dark ; 55.5; 15; 67Alp Vir ; 0.98; 28000;occ; 111; 0;46061  
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19; 5756.8; 21-DEC-2010 18:17:40; Dark ; 59.0; 106; 9Bet Crv ; 2.65; 5600;occ; 118; 0;46061  
20; 6004.4; 21-DEC-2010 18:21:47; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;46061  
21; 6104.8; 21-DEC-2010 18:23:28; Dark ; 55.0; 26; Gam Cru ; 1.62; 2900;occ; 110; 0;46062  
22; 6351.2; 21-DEC-2010 18:27:34; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;46062  
23; 6554.0; 21-DEC-2010 18:30:57; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;46062  
24; 6650.8; 21-DEC-2010 18:32:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46062  
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3; 1284.7; 21-DEC-2010 18:43:22; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;46062  
4; 1385.4; 21-DEC-2010 18:45:02; Dark ; 48.0; 179; 240mi2CMA ; 3.03; 24000;occ; 96; 0;46062  
5; 1552.3; 21-DEC-2010 18:47:49; Dark ; 59.0; 1; 9Alp CMA ; -1.44; 11000;occ; 118; 0;46062  
6; 1743.0; 21-DEC-2010 18:51:00; Dark ; 46.5; 7; 19Bet Ori ; 0.10; 14000;occ; 93; 0;46062  
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8; 2038.6; 21-DEC-2010 18:55:56; Dark ; 56.0; 14; 58Alp Ori ; 0.87; 3000;occ; 112; 0;46062

9; 2282.9; 21-DEC-2010 19:00:00; Bright; 41.0; 176; 23Zet Tau ; 3.02; 22000;occ; 82; 0;46062  
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13; 3683.0; 21-DEC-2010 19:23:20; Bright; 54.0; 60; 7Bet UMi ; 2.08; 3950;occ; 108; 0;46062  
14; 3941.1; 21-DEC-2010 19:27:38; Bright; 65.0; 32; 77Eps UMa ; 1.76; 11000;occ; 130; 0;46062  
15; 4109.8; 21-DEC-2010 19:30:27; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;46062  
16; 4323.6; 21-DEC-2010 19:34:01; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;46062  
17; 4523.7; 21-DEC-2010 19:37:21; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;46062  
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 23; 6364.7; 22-DEC-2010 19:31:18; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;46077  
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13; 552.3; 23-DEC-2010 05:36:04; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;46083
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 12; 123.5; 25-DEC-2010 07:35:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46113  
 13; 383.3; 25-DEC-2010 07:40:16; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;46113  
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 17; 855.0; 25-DEC-2010 07:48:07; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;46113

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13; 4755.6; 25-DEC-2010 08:53:08; Bright; 48.5; 111; 8Eta Boo ; 2.68; 6000;occ; 97; 0;46113
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23; 6775.9; 25-DEC-2010 09:26:48; Dark ; 56.0; 65; Lam Vel ; 2.20; 4400;occ; 112; 0;46114
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28; 7413.7; 25-DEC-2010 09:37:26; Dark ; 46.0; 179; 240mi2CMa ; 3.03; 24000;occ; 92; 0;46114
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4;	2029.2;	25-DEC-2010	11:28:09;	Dark ;	52.5;	14;	58Alp Ori ;	0.87;	3000;occ;	105;	0;46115
5;	2270.4;	25-DEC-2010	11:32:11;	Bright;	38.5;	176;	23Zet Tau ;	3.02;	22000;occ;	77;	0;46115
6;	2395.3;	25-DEC-2010	11:34:16;	Bright;	40.0;	28;	12Bet Tau ;	1.65;	15200;occ;	80;	0;46115
7;	2581.4;	25-DEC-2010	11:37:22;	Bright;	40.5;	107;	37The Aur ;	2.65;	11000;occ;	81;	0;46115
8;	2689.8;	25-DEC-2010	11:39:10;	Bright;	43.0;	6;	13Alp Aur ;	0.08;	3400;occ;	86;	0;46115
9;	3679.8;	25-DEC-2010	11:55:40;	Bright;	36.5;	60;	7Bet UMi ;	2.08;	3950;occ;	73;	0;46115
10;	3924.7;	25-DEC-2010	11:59:45;	Bright;	46.0;	32;	77Eps UMa ;	1.76;	11000;occ;	92;	0;46115
11;	4103.2;	25-DEC-2010	12:02:43;	Bright;	43.0;	39;	85Eta UMa ;	1.85;	24000;occ;	86;	0;46115
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13;	4533.4;	25-DEC-2010	12:09:54;	Bright;	39.0;	83;		2.38;	11000;occ;	78;	0;46115
14;	4756.5;	25-DEC-2010	12:13:37;	Bright;	69.0;	111;	8Eta Boo ;	2.68;	6000;occ;	138;	0;46115
15;	5280.4;	25-DEC-2010	12:22:21;	Dark ;	41.5;	122;	9Alp2Lib ;	2.75;	9700;occ;	83;	0;46115
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20;	6140.1;	25-DEC-2010	12:36:40;	Dark ;	59.5;	0;		0.00;	0;occ;	119;	0;46116
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22;	6585.5;	25-DEC-2010	12:44:06;	Dark ;	39.0;	71;	Iot Car ;	2.25;	7700;occ;	78;	0;46116
23;	6688.9;	25-DEC-2010	12:45:49;	Dark ;	50.5;	41;	Eps Car ;	1.86;	4100;occ;	101;	0;46116
24;	6777.4;	25-DEC-2010	12:47:18;	Dark ;	62.0;	65;	Lam Vel ;	2.20;	4400;occ;	124;	0;46116
25;	6870.8;	25-DEC-2010	12:48:51;	Dark ;	46.5;	34;	Gam2Vel ;	1.79;	23000;occ;	93;	0;46116
26;	7001.4;	25-DEC-2010	12:51:02;	Dark ;	48.5;	70;	Zet Pup ;	2.25;	39000;occ;	97;	0;46116
27;	7139.9;	25-DEC-2010	12:53:20;	Dark ;	50.5;	117;	Pi Pup ;	2.71;	3800;occ;	101;	0;46116
28;	7316.8;	25-DEC-2010	12:56:17;	Dark ;	48.0;	23;	21Eps CMa ;	1.50;	26000;occ;	96;	0;46116
29;	7414.1;	25-DEC-2010	12:57:54;	Dark ;	47.5;	179;	240mi2CMa ;	3.03;	24000;occ;	95;	0;46116
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6;	2270.1;	25-DEC-2010	14:52:38;	Bright;	41.5;	176;	23Zet Tau ;	3.02;	22000;occ;	83;	0;46117
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8;	2580.7;	25-DEC-2010	14:57:49;	Bright;	41.5;	107;	37The Aur ;	2.65;	11000;occ;	83;	0;46117
9;	2689.5;	25-DEC-2010	14:59:38;	Bright;	44.5;	6;	13Alp Aur ;	0.08;	3400;occ;	89;	0;46117
10;	3679.7;	25-DEC-2010	15:16:08;	Bright;	39.5;	60;	7Bet UMi ;	2.08;	3950;occ;	79;	0;46117
11;	3924.3;	25-DEC-2010	15:20:13;	Bright;	46.0;	32;	77Eps UMa ;	1.76;	11000;occ;	92;	0;46117
12;	4103.1;	25-DEC-2010	15:23:11;	Bright;	42.5;	39;	85Eta UMa ;	1.85;	24000;occ;	85;	0;46117
13;	4327.0;	25-DEC-2010	15:26:55;	Bright;	40.0;	180;	27Gam Boo ;	3.04;	8000;occ;	80;	0;46117
14;	4534.0;	25-DEC-2010	15:30:22;	Bright;	38.5;	83;		2.38;	11000;occ;	77;	0;46117
15;	4757.4;	25-DEC-2010	15:34:06;	Bright;	69.0;	111;	8Eta Boo ;	2.68;	6000;occ;	138;	0;46117
16;	5281.5;	25-DEC-2010	15:42:50;	Dark ;	43.5;	122;	9Alp2Lib ;	2.75;	9700;occ;	87;	0;46117
17;	5422.8;	25-DEC-2010	15:45:11;	Dark ;	60.0;	15;	67Alp Vir ;	0.98;	28000;occ;	120;	0;46117
18;	5681.5;	25-DEC-2010	15:49:30;	Dark ;	46.5;	54;	5The Cen ;	2.06;	4500;occ;	93;	0;46117
19;	5803.8;	25-DEC-2010	15:51:32;	Dark ;	44.5;	123;	Iot Cen ;	2.75;	10200;occ;	89;	0;46117
20;	6044.6;	25-DEC-2010	15:55:33;	Dark ;	42.0;	64;	Gam Cen ;	2.20;	10600;occ;	84;	0;46118
21;	6142.0;	25-DEC-2010	15:57:10;	Dark ;	59.5;	0;		0.00;	0;occ;	119;	0;46118
22;	6401.9;	25-DEC-2010	16:01:30;	Dark ;	47.5;	113;	Mu Vel ;	2.69;	5000;occ;	95;	0;46118
23;	6586.9;	25-DEC-2010	16:04:35;	Dark ;	43.5;	71;	Iot Car ;	2.25;	7700;occ;	87;	0;46118
24;	6690.0;	25-DEC-2010	16:06:18;	Dark ;	49.5;	41;	Eps Car ;	1.86;	4100;occ;	99;	0;46118
25;	6872.1;	25-DEC-2010	16:09:20;	Dark ;	50.0;	34;	Gam2Vel ;	1.79;	23000;occ;	100;	0;46118
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27;	7140.7;	25-DEC-2010	16:13:49;	Dark ;	48.5;	117;	Pi Pup ;	2.71;	3800;occ;	97;	0;46118

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3;	1400.8;	25-DEC-2010	16:18:23;	Dark ;	49.0;	179;	240mi2CMa ;	3.03;	24000;occ;	98;	0;46118
4;	1559.0;	25-DEC-2010	16:21:01;	Dark ;	58.5;	1;	9Alp CMa ;	-1.44;	11000;occ;	117;	0;46118
5;	1712.2;	25-DEC-2010	16:23:34;	Dark ;	45.0;	56;	53Kap Ori ;	2.07;	30000;occ;	90;	0;46118
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7;	2028.7;	25-DEC-2010	16:28:51;	Dark ;	55.0;	14;	58Alp Ori ;	0.87;	3000;occ;	110;	0;46118
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46; 8256.4; 27-DEC-2010 03:37:19; Dark ; 56.5; 44; 24Gam Gem ; 1.93; 11000;occ; 113; 0;46139
47; 8405.1; 27-DEC-2010 03:39:48; Bright; 38.5; 28; 12Bet Tau ; 1.65; 15200;occ; 77; 0;46139
48; 8586.8; 27-DEC-2010 03:42:50; Bright; 40.0; 107; 37The Aur ; 2.65; 11000;occ; 80; 0;46139
49; 8699.7; 27-DEC-2010 03:44:42; Bright; 41.5; 6; 13Alp Aur ; 0.08; 3400;occ; 83; 0;46139
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3; -1914.4; 27-DEC-2010 04:08:16; Bright; 63.0; 39; 85Eta UMA ; 1.85; 24000;occ; 126; 0;46139
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5; -1475.9; 27-DEC-2010 04:15:35; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;46139
6; -1247.3; 27-DEC-2010 04:19:24; Bright; 71.0; 111; 8Eta Boo ; 2.68; 6000;occ; 142; 0;46139
7; -722.3; 27-DEC-2010 04:28:09; Dark ; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;46139
8; -567.1; 27-DEC-2010 04:30:44; Dark ; 59.0; 15; 67Alp Vir ; 0.98; 28000;occ; 118; 0;46139
9; -319.1; 27-DEC-2010 04:34:52; Dark ; 52.5; 54; 5The Cen ; 2.06; 4500;occ; 105; 0;46139
10; -191.9; 27-DEC-2010 04:36:59; Dark ; 44.5; 123; Iot Cen ; 2.75; 10200;occ; 89; 0;46139
11; 47.1; 27-DEC-2010 04:40:58; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;46140
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13; 407.9; 27-DEC-2010 04:46:59; Dark ; 48.0; 113; Mu Vel ; 2.69; 5000;occ; 96; 0;46140
14; 585.4; 27-DEC-2010 04:49:56; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;46140
15; 686.6; 27-DEC-2010 04:51:37; Dark ; 54.5; 41; Eps Car ; 1.86; 4100;occ; 109; 0;46140
16; 870.7; 27-DEC-2010 04:54:42; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;46140
17; 1001.6; 27-DEC-2010 04:56:52; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 0;46140
18; 1136.2; 27-DEC-2010 04:59:07; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;46140
19; 1310.6; 27-DEC-2010 05:02:01; Dark ; 48.0; 23; 21Eps CMa ; 1.50; 26000;occ; 96; 0;46140
20; 1406.5; 27-DEC-2010 05:03:37; Dark ; 48.5; 179; 240mi2CMa ; 3.03; 24000;occ; 97; 0;46140
21; 1561.7; 27-DEC-2010 05:06:13; Dark ; 63.0; 1; 9Alp CMa ; -1.44; 11000;occ; 126; 0;46140
22; 1713.9; 27-DEC-2010 05:08:45; Dark ; 42.5; 56; 53Kap Ori ; 2.07; 30000;occ; 85; 0;46140
23; 1866.8; 27-DEC-2010 05:11:18; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;46140
24; 2026.0; 27-DEC-2010 05:13:57; Dark ; 58.0; 14; 58Alp Ori ; 0.87; 3000;occ; 116; 0;46140
25; 2241.9; 27-DEC-2010 05:17:33; Dark ; 54.5; 44; 24Gam Gem ; 1.93; 11000;occ; 109; 0;46140
26; 2391.1; 27-DEC-2010 05:20:02; Bright; 38.5; 28; 12Bet Tau ; 1.65; 15200;occ; 77; 0;46140
27; 2572.4; 27-DEC-2010 05:23:03; Bright; 39.0; 107; 37The Aur ; 2.65; 11000;occ; 78; 0;46140
28; 2685.6; 27-DEC-2010 05:24:56; Bright; 40.5; 6; 13Alp Aur ; 0.08; 3400;occ; 81; 0;46140
29; 3619.0; 27-DEC-2010 05:40:30; Bright; 45.0; 36; 50Alp UMA ; 1.80; 6300;occ; 90; 0;46140

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1	-2097.9	27-DEC-2010 05:45:27	Bright	47.0	32	77Eps UMa	1.76	11000	occ	94	0	46140
2	-1914.5	27-DEC-2010 05:48:30	Bright	43.0	39	85Eta UMa	1.85	24000	occ	86	0	46140
3	-1685.8	27-DEC-2010 05:52:19	Bright	60.0	180	27Gam Boo	3.04	8000	occ	120	0	46140
4	-1475.8	27-DEC-2010 05:55:49	Bright	47.0	83		2.38	11000	occ	94	0	46140
5	-1246.8	27-DEC-2010 05:59:38	Bright	49.5	111	8Eta Boo	2.68	6000	occ	99	0	46140
6	-721.8	27-DEC-2010 06:08:23	Dark	44.0	122	9Alp2Lib	2.75	9700	occ	88	0	46140
7	-566.2	27-DEC-2010 06:10:59	Dark	62.5	15	67Alp Vir	0.98	28000	occ	125	0	46140
8	-318.6	27-DEC-2010 06:15:06	Dark	47.0	54	5The Cen	2.06	4500	occ	94	0	46140
9	-191.0	27-DEC-2010 06:17:14	Dark	44.0	123	Iot Cen	2.75	10200	occ	88	0	46140
10	47.8	27-DEC-2010 06:21:13	Dark	44.0	64	Gam Cen	2.20	10600	occ	88	0	46141
11	148.5	27-DEC-2010 06:22:53	Dark	59.5	0		0.00	0	occ	119	0	46141
12	408.7	27-DEC-2010 06:27:14	Dark	48.0	113	Mu Vel	2.69	5000	occ	96	0	46141
13	585.9	27-DEC-2010 06:30:11	Dark	42.0	71	Iot Car	2.25	7700	occ	84	0	46141
14	687.0	27-DEC-2010 06:31:52	Dark	50.0	41	Eps Car	1.86	4100	occ	100	0	46141
15	871.2	27-DEC-2010 06:34:56	Dark	46.0	34	Gam2Vel	1.79	23000	occ	92	0	46141
16	1002.4	27-DEC-2010 06:37:07	Dark	48.5	70	Zet Pup	2.25	39000	occ	97	0	46141
17	1136.6	27-DEC-2010 06:39:22	Dark	52.5	117	Pi Pup	2.71	3800	occ	105	0	46141
18	1310.9	27-DEC-2010 06:42:16	Dark	49.0	23	21Eps CMa	1.50	26000	occ	98	0	46141
19	1406.8	27-DEC-2010 06:43:52	Dark	46.5	179	240mi2CMa	3.03	24000	occ	93	0	46141
20	1561.8	27-DEC-2010 06:46:27	Dark	55.0	1	9Alp CMa	-1.44	11000	occ	110	0	46141
21	1713.9	27-DEC-2010 06:48:59	Dark	45.0	56	53Kap Ori	2.07	30000	occ	90	0	46141
22	1866.8	27-DEC-2010 06:51:32	Dark	48.0	30	46Eps Ori	1.69	30000	occ	96	0	46141
23	2025.9	27-DEC-2010 06:54:11	Dark	58.0	14	58Alp Ori	0.87	3000	occ	116	0	46141
24	2241.5	27-DEC-2010 06:57:46	Dark	51.5	44	24Gam Gem	1.93	11000	occ	103	0	46141
25	2390.9	27-DEC-2010 07:00:16	Bright	41.0	28	12Bet Tau	1.65	15200	occ	82	0	46141
26	2572.1	27-DEC-2010 07:03:17	Bright	39.5	107	37The Aur	2.65	11000	occ	79	0	46141
27	2685.5	27-DEC-2010 07:05:10	Bright	41.5	6	13Alp Aur	0.08	3400	occ	83	0	46141
28	3618.4	27-DEC-2010 07:20:43	Bright	48.0	36	50Alp UMa	1.80	6300	occ	96	0	46141

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1	1006.8	27-DEC-2010 19:59:04	Dark	47.5	70	Zet Pup	2.25	39000	occ	95	0	46149
2	1139.7	27-DEC-2010 20:01:17	Dark	47.0	117	Pi Pup	2.71	3800	occ	94	0	46149
3	1313.2	27-DEC-2010 20:04:10	Dark	50.0	23	21Eps CMa	1.50	26000	occ	100	0	46149
4	1408.7	27-DEC-2010 20:05:46	Dark	46.0	179	240mi2CMa	3.03	24000	occ	92	0	46149
5	1562.7	27-DEC-2010 20:08:20	Dark	55.0	1	9Alp CMa	-1.44	11000	occ	110	0	46149
6	1714.2	27-DEC-2010 20:10:51	Dark	45.0	56	53Kap Ori	2.07	30000	occ	90	0	46149
7	1866.7	27-DEC-2010 20:13:24	Dark	46.0	30	46Eps Ori	1.69	30000	occ	92	0	46149
8	2024.6	27-DEC-2010 20:16:02	Dark	58.0	14	58Alp Ori	0.87	3000	occ	116	0	46149
9	2237.9	27-DEC-2010 20:19:35	Dark	58.5	44	24Gam Gem	1.93	11000	occ	117	0	46149
10	2333.9	27-DEC-2010 20:21:11	Bright	49.0	151	13Mu Gem	2.89	3000	occ	98	0	46149
11	2458.4	27-DEC-2010 20:23:16	Bright	38.5	114	3Iot Aur	2.69	4600	occ	77	0	46149
12	2569.1	27-DEC-2010 20:25:06	Bright	40.5	107	37The Aur	2.65	11000	occ	81	0	46149
13	2684.1	27-DEC-2010 20:27:01	Bright	41.0	6	13Alp Aur	0.08	3400	occ	82	0	46149
14	3613.3	27-DEC-2010 20:42:30	Bright	45.0	36	50Alp UMa	1.80	6300	occ	90	0	46149
15	3912.9	27-DEC-2010 20:47:30	Bright	67.0	32	77Eps UMa	1.76	11000	occ	134	0	46149
16	4098.0	27-DEC-2010 20:50:35	Bright	43.0	39	85Eta UMa	1.85	24000	occ	86	0	46149
17	4328.6	27-DEC-2010 20:54:26	Bright	60.0	180	27Gam Boo	3.04	8000	occ	120	0	46149
18	4539.8	27-DEC-2010 20:57:57	Bright	59.0	83		2.38	11000	occ	118	0	46149
19	4771.3	27-DEC-2010 21:01:48	Bright	71.5	111	8Eta Boo	2.68	6000	occ	143	0	46149

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1	-717.3	27-DEC-2010 21:10:34	Dark	45.0	122	9Alp2Lib	2.75	9700	occ	90	0	46149
2	-555.9	27-DEC-2010 21:13:15	Dark	66.0	15	67Alp Vir	0.98	28000	occ	132	0	46149
3	-312.9	27-DEC-2010 21:17:18	Dark	48.5	54	5The Cen	2.06	4500	occ	97	0	46149
4	-183.3	27-DEC-2010 21:19:28	Dark	45.0	123	Iot Cen	2.75	10200	occ	90	0	46149
5	54.6	27-DEC-2010 21:23:26	Dark	44.5	64	Gam Cen	2.20	10600	occ	89	0	46150
6	156.6	27-DEC-2010 21:25:08	Dark	59.5	0		0.00	0	occ	119	0	46150
7	416.7	27-DEC-2010 21:29:28	Dark	47.5	113	Mu Vel	2.69	5000	occ	95	0	46150
8	590.9	27-DEC-2010 21:32:22	Dark	44.0	71	Iot Car	2.25	7700	occ	88	0	46150
9	691.1	27-DEC-2010 21:34:02	Dark	49.0	41	Eps Car	1.86	4100	occ	98	0	46150
10	876.1	27-DEC-2010 21:37:07	Dark	46.0	34	Gam2Vel	1.79	23000	occ	92	0	46150
11	1007.3	27-DEC-2010 21:39:18	Dark	51.5	70	Zet Pup	2.25	39000	occ	103	0	46150
12	1140.2	27-DEC-2010 21:41:31	Dark	50.0	117	Pi Pup	2.71	3800	occ	100	0	46150
13	1313.5	27-DEC-2010 21:44:25	Dark	44.0	23	21Eps CMa	1.50	26000	occ	88	0	46150
14	1408.7	27-DEC-2010 21:46:00	Dark	48.5	179	240mi2CMa	3.03	24000	occ	97	0	46150
15	1562.7	27-DEC-2010 21:48:34	Dark	51.5	1	9Alp CMa	-1.44	11000	occ	103	0	46150
16	1714.2	27-DEC-2010 21:51:05	Dark	43.0	56	53Kap Ori	2.07	30000	occ	86	0	46150
17	1866.8	27-DEC-2010 21:53:38	Dark	46.0	30	46Eps Ori	1.69	30000	occ	92	0	46150
18	2024.5	27-DEC-2010 21:56:16	Dark	57.0	14	58Alp Ori	0.87	3000	occ	114	0	46150

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 21; 2458.3; 27-DEC-2010 22:03:29; Bright; 37.0; 114; 3Iot Aur ; 2.69; 4600;occ; 74; 0;46150  
 22; 2568.7; 27-DEC-2010 22:05:20; Bright; 40.5; 107; 37The Aur ; 2.65; 11000;occ; 81; 0;46150  
 23; 2683.9; 27-DEC-2010 22:07:15; Bright; 41.5; 6; 13Alp Aur ; 0.08; 3400;occ; 83; 0;46150  
 24; 3612.6; 27-DEC-2010 22:22:44; Bright; 44.0; 36; 50Alp UMa ; 1.80; 6300;occ; 88; 0;46150  
 25; 3912.6; 27-DEC-2010 22:27:44; Bright; 58.5; 32; 77Eps UMa ; 1.76; 11000;occ; 117; 0;46150  
 26; 4097.7; 27-DEC-2010 22:30:49; Bright; 64.0; 39; 85Eta UMa ; 1.85; 24000;occ; 128; 0;46150  
 27; 4328.5; 27-DEC-2010 22:34:40; Bright; 60.0; 180; 27Gam Boo ; 3.04; 8000;occ; 120; 0;46150  
 28; 4540.1; 27-DEC-2010 22:38:11; Bright; 59.0; 83; ; 2.38; 11000;occ; 118; 0;46150  
 29; 4771.7; 27-DEC-2010 22:42:03; Bright; 71.5; 111; 8Eta Boo ; 2.68; 6000;occ; 143; 0;46150

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 5; 157.5; 27-DEC-2010 23:05:23; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46151  
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 9; 876.7; 27-DEC-2010 23:17:22; Dark ; 51.0; 34; Gam2Vel ; 1.79; 23000;occ; 102; 0;46151  
 10; 1007.6; 27-DEC-2010 23:19:33; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;46151  
 11; 1140.4; 27-DEC-2010 23:21:46; Dark ; 52.5; 117; Pi Pup ; 2.71; 3800;occ; 105; 0;46151  
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 13; 1409.0; 27-DEC-2010 23:26:14; Dark ; 47.5; 179; 240mi2CMa ; 3.03; 24000;occ; 95; 0;46151  
 14; 1562.9; 27-DEC-2010 23:28:48; Dark ; 50.0; 1; 9Alp CMa ; -1.44; 11000;occ; 100; 0;46151  
 15; 1714.3; 27-DEC-2010 23:31:19; Dark ; 41.0; 56; 53Kap Ori ; 2.07; 30000;occ; 82; 0;46151  
 16; 1866.8; 27-DEC-2010 23:33:52; Dark ; 46.0; 30; 46Eps Ori ; 1.69; 30000;occ; 92; 0;46151  
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 18; 2236.8; 27-DEC-2010 23:40:02; Dark ; 50.5; 44; 24Gam Gem ; 1.93; 11000;occ; 101; 0;46151  
 19; 2333.0; 27-DEC-2010 23:41:38; Bright; 48.5; 151; 13Mu Gem ; 2.89; 3000;occ; 97; 0;46151  
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 21; 2568.5; 27-DEC-2010 23:45:34; Bright; 41.0; 107; 37The Aur ; 2.65; 11000;occ; 82; 0;46151  
 22; 2683.7; 27-DEC-2010 23:47:29; Bright; 40.0; 6; 13Alp Aur ; 0.08; 3400;occ; 80; 0;46151  
 23; 3611.9; 28-DEC-2010 00:02:57; Bright; 44.0; 36; 50Alp UMa ; 1.80; 6300;occ; 88; 0;46151  
 24; 3912.3; 28-DEC-2010 00:07:57; Bright; 45.5; 32; 77Eps UMa ; 1.76; 11000;occ; 91; 0;46151  
 25; 4097.5; 28-DEC-2010 00:11:03; Bright; 64.0; 39; 85Eta UMa ; 1.85; 24000;occ; 128; 0;46151  
 26; 4328.7; 28-DEC-2010 00:14:54; Bright; 60.0; 180; 27Gam Boo ; 3.04; 8000;occ; 120; 0;46151  
 27; 4540.2; 28-DEC-2010 00:18:25; Bright; 59.0; 83; ; 2.38; 11000;occ; 118; 0;46151  
 28; 4772.1; 28-DEC-2010 00:22:17; Bright; 72.0; 111; 8Eta Boo ; 2.68; 6000;occ; 144; 0;46151  
 29; 5297.6; 28-DEC-2010 00:31:03; Dark ; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;46151

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22;	6600.8;	27-DEC-2010 09:50:40;	Dark	; 42.5;	71;	Iot Car	; 2.25;	7700;occ;	85;	0;	46143
23;	6702.0;	27-DEC-2010 09:52:21;	Dark	; 47.0;	41;	Eps Car	; 1.86;	4100;occ;	94;	0;	46143
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27;	7325.5;	27-DEC-2010 10:02:45;	Dark	; 48.0;	23;	21Eps CMa	; 1.50;	26000;occ;	96;	0;	46143
28;	7421.2;	27-DEC-2010 10:04:20;	Dark	; 47.5;	179;	240mi2CMa	; 3.03;	24000;occ;	95;	0;	46143
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23;	6886.8;	27-DEC-2010 11:35:40;	Dark	; 45.5;	34;	Gam2Vel	; 1.79;	23000;occ;	91;	0;	46144
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 11; 2552.3; 31-DEC-2010 21:18:23; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;46207  
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 13; 3672.0; 31-DEC-2010 21:37:02; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;46207  
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 17; 4551.6; 31-DEC-2010 21:51:42; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;46207  
 18; 4746.5; 31-DEC-2010 21:54:57; Bright; 53.5; 3; 16Alp Boo ; -0.05; 4250;occ; 107; 0;46207  
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 13; 1422.6; 31-DEC-2010 22:39:47; Dark ; 42.0; 179; 240mi2CMa ; 3.03; 24000;occ; 84; 0;46208  
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19; 2312.9; 31-DEC-2010 22:54:37; Bright; 45.5; 151; 13Mu Gem ; 2.89; 3000;occ; 91; 0;46208
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22; 3671.9; 31-DEC-2010 23:17:16; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;46208
23; 3890.3; 31-DEC-2010 23:20:55; Bright; 47.0; 32; 77Eps UMA ; 1.76; 11000;occ; 94; 0;46208
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25; 4330.8; 31-DEC-2010 23:28:15; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;46208
26; 4551.6; 31-DEC-2010 23:31:56; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;46208
27; 4746.9; 31-DEC-2010 23:35:11; Bright; 53.5; 3; 16Alp Boo ; -0.05; 4250;occ; 107; 0;46208
28; 5170.3; 31-DEC-2010 23:42:15; Bright; 56.0; 104; 27Bet Lib ; 2.61; 13100;occ; 112; 0;46208
29; 5328.7; 31-DEC-2010 23:44:53; Dark ; 25.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 51; 0;46208

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5; 101.3; 31-DEC-2010 23:58:00; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 0;46209
6; 210.5; 31-DEC-2010 23:59:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46209
7; 469.6; 01-JAN-2011 00:04:08; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46209
8; 623.4; 01-JAN-2011 00:06:42; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46209
9; 737.5; 01-JAN-2011 00:08:36; Dark ; 46.0; 46; Del Vel ; 1.95; 10600;occ; 92; 0;46209
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13; 1330.5; 01-JAN-2011 00:18:29; Dark ; 48.0; 23; 21Eps CMA ; 1.50; 26000;occ; 96; 0;46209
14; 1422.8; 01-JAN-2011 00:20:01; Dark ; 43.0; 179; 240mi2CMA ; 3.03; 24000;occ; 86; 0;46209
15; 1570.2; 01-JAN-2011 00:22:29; Dark ; 39.0; 1; 9Alp CMA ; -1.44; 11000;occ; 78; 0;46209
16; 1719.6; 01-JAN-2011 00:24:58; Dark ; 42.5; 56; 53Kap Ori ; 2.07; 30000;occ; 85; 0;46209
17; 1869.4; 01-JAN-2011 00:27:28; Dark ; 45.5; 30; 46Eps Ori ; 1.69; 30000;occ; 91; 0;46209
18; 2019.8; 01-JAN-2011 00:29:58; Dark ; 56.0; 14; 58Alp Ori ; 0.87; 3000;occ; 112; 0;46209
19; 2214.5; 01-JAN-2011 00:33:13; Dark ; 49.0; 44; 24Gam Gem ; 1.93; 11000;occ; 98; 0;46209
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21; 2551.8; 01-JAN-2011 00:38:50; Bright; 39.0; 107; 37The Aur ; 2.65; 11000;occ; 78; 0;46209
22; 2677.4; 01-JAN-2011 00:40:56; Bright; 40.5; 6; 13Alp Aur ; 0.08; 3400;occ; 81; 0;46209
23; 3671.8; 01-JAN-2011 00:57:30; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;46209
24; 3889.8; 01-JAN-2011 01:01:08; Bright; 47.5; 32; 77Eps UMA ; 1.76; 11000;occ; 95; 0;46209
25; 4086.8; 01-JAN-2011 01:04:25; Bright; 66.0; 39; 85Eta UMA ; 1.85; 24000;occ; 132; 0;46209
26; 4330.9; 01-JAN-2011 01:08:29; Bright; 50.5; 180; 27Gam Boo ; 3.04; 8000;occ; 101; 0;46209
27; 4551.9; 01-JAN-2011 01:12:10; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;46209
28; 4747.3; 01-JAN-2011 01:15:26; Bright; 53.0; 3; 16Alp Boo ; -0.05; 4250;occ; 106; 0;46209
29; 5170.8; 01-JAN-2011 01:22:29; Bright; 55.5; 104; 27Bet Lib ; 2.61; 13100;occ; 111; 0;46209

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7; -848.0; 31-DEC-2010 06:59:50; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;46198
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13; 460.7; 31-DEC-2010 07:21:39; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46199
14; 618.1; 31-DEC-2010 07:24:16; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;46199
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16; 902.9; 31-DEC-2010 07:29:01; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;46199
17; 1033.9; 31-DEC-2010 07:31:12; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;46199
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13; 4550.1; 31-DEC-2010 08:29:48; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;46199
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21; 6475.8; 31-DEC-2010 09:01:54; Dark ; 53.0; 113; Mu Vel ; 2.69; 5000;occ; 106; 0;46200
22; 6632.7; 31-DEC-2010 09:04:31; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;46200
23; 6728.3; 31-DEC-2010 09:06:07; Dark ; 48.0; 41; Eps Car ; 1.86; 4100;occ; 96; 0;46200
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26; 7173.9; 31-DEC-2010 09:13:32; Dark ; 47.5; 117; Pi Pup ; 2.71; 3800;occ; 95; 0;46200
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25; 7174.4; 31-DEC-2010 10:53:47; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;46201
26; 7342.6; 31-DEC-2010 10:56:35; Dark ; 46.5; 23; 21Eps CMa ; 1.50; 26000;occ; 93; 0;46201
27; 7435.0; 31-DEC-2010 10:58:07; Dark ; 44.0; 179; 240mi2CMa ; 3.03; 24000;occ; 88; 0;46201
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4; 2217.5; 31-DEC-2010 11:11:24; Dark ; 53.0; 44; 24Gam Gem ; 1.93; 11000;occ; 106; 0;46201
5; 2315.2; 31-DEC-2010 11:13:01; Bright; 46.0; 151; 13Mu Gem ; 2.89; 3000;occ; 92; 0;46201
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9; 3893.2; 31-DEC-2010 11:39:19; Bright; 48.0; 32; 77Eps UMa ; 1.76; 11000;occ; 96; 0;46201

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13; 4744.1; 31-DEC-2010 11:53:30; Bright; 52.5; 3; 16Alp Boo ;-0.05; 4250;occ; 105; 0;46201
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17; 5902.1; 31-DEC-2010 12:12:48; Dark ; 40.0; 95; Zet Cen ; 2.55; 26000;occ; 80; 0;46201
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21; 6633.7; 31-DEC-2010 12:25:00; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;46202
22; 6729.3; 31-DEC-2010 12:26:36; Dark ; 48.5; 41; Eps Car ; 1.86; 4100;occ; 97; 0;46202
23; 6918.4; 31-DEC-2010 12:29:45; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;46202
24; 7049.3; 31-DEC-2010 12:31:55; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;46202
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27; 7435.2; 31-DEC-2010 12:38:21; Dark ; 45.0; 179; 240mi2CMA ; 3.03; 24000;occ; 90; 0;46202
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13; 4550.5; 31-DEC-2010 13:30:31; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;46202
14; 4744.6; 31-DEC-2010 13:33:45; Bright; 52.5; 3; 16Alp Boo ;-0.05; 4250;occ; 105; 0;46202
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20; 6219.0; 31-DEC-2010 13:58:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46203
21; 6478.4; 31-DEC-2010 14:02:39; Dark ; 49.0; 113; Mu Vel ; 2.69; 5000;occ; 98; 0;46203
22; 6634.3; 31-DEC-2010 14:05:14; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;46203
23; 6729.6; 31-DEC-2010 14:06:50; Dark ; 43.5; 41; Eps Car ; 1.86; 4100;occ; 87; 0;46203
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25; 7049.9; 31-DEC-2010 14:12:10; Dark ; 46.0; 70; Zet Pup ; 2.25; 39000;occ; 92; 0;46203
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12; 4088.3; 31-DEC-2010 15:03:02; Bright; 66.0; 39; 85Eta UMA ; 1.85; 24000;occ; 132; 0;46203
13; 4331.0; 31-DEC-2010 15:07:05; Bright; 46.0; 180; 27Gam Boo ; 3.04; 8000;occ; 92; 0;46203
14; 4550.9; 31-DEC-2010 15:10:45; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;46203
15; 4745.0; 31-DEC-2010 15:13:59; Bright; 53.0; 3; 16Alp Boo ;-0.05; 4250;occ; 106; 0;46203
16; 5168.3; 31-DEC-2010 15:21:02; Bright; 56.0; 104; 27Bet Lib ; 2.61; 13100;occ; 112; 0;46203
17; 5326.1; 31-DEC-2010 15:23:40; Dark ; 48.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 96; 0;46203
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19; 5903.4; 31-DEC-2010 15:33:18; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;46203

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 22; 6479.3; 31-DEC-2010 15:42:53; Dark ; 49.5; 113; Mu Vel ; 2.69; 5000;occ; 99; 0;46204  
 23; 6634.9; 31-DEC-2010 15:45:29; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46204  
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 25; 6919.6; 31-DEC-2010 15:50:14; Dark ; 42.0; 34; Gam2Vel ; 1.79; 23000;occ; 84; 0;46204  
 26; 7050.5; 31-DEC-2010 15:52:25; Dark ; 46.0; 70; Zet Pup ; 2.25; 39000;occ; 92; 0;46204  
 27; 7175.5; 31-DEC-2010 15:54:30; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;46204  
 28; 7343.4; 31-DEC-2010 15:57:18; Dark ; 50.0; 23; 21Eps CMA ; 1.50; 26000;occ; 100; 0;46204

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 11; 3672.5; 31-DEC-2010 16:36:21; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;46204  
 12; 3892.1; 31-DEC-2010 16:40:00; Bright; 48.0; 32; 77Eps UMa ; 1.76; 11000;occ; 96; 0;46204  
 13; 4088.1; 31-DEC-2010 16:43:16; Bright; 46.5; 39; 85Eta UMa ; 1.85; 24000;occ; 93; 0;46204  
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 16; 4745.4; 31-DEC-2010 16:54:14; Bright; 53.0; 3; 16Alp Boo ; -0.05; 4250;occ; 106; 0;46204  
 17; 5168.7; 31-DEC-2010 17:01:17; Bright; 56.0; 104; 27Bet Lib ; 2.61; 13100;occ; 112; 0;46204  
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 22; 6221.0; 31-DEC-2010 17:18:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46205  
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 25; 6730.5; 31-DEC-2010 17:27:19; Dark ; 50.5; 41; Eps Car ; 1.86; 4100;occ; 101; 0;46205  
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 27; 7051.0; 31-DEC-2010 17:32:39; Dark ; 49.0; 70; Zet Pup ; 2.25; 39000;occ; 98; 0;46205  
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 12; 3672.4; 31-DEC-2010 18:16:35; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;46205  
 13; 3891.6; 31-DEC-2010 18:20:14; Bright; 44.0; 32; 77Eps UMa ; 1.76; 11000;occ; 88; 0;46205  
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 17; 4745.8; 31-DEC-2010 18:34:28; Bright; 52.5; 3; 16Alp Boo ; -0.05; 4250;occ; 105; 0;46205  
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 22; 6112.9; 31-DEC-2010 18:57:15; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;46206  
 23; 6221.9; 31-DEC-2010 18:59:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46206  
 24; 6481.2; 31-DEC-2010 19:03:24; Dark ; 52.0; 113; Mu Vel ; 2.69; 5000;occ; 104; 0;46206  
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6;	1719.2;	31-DEC-2010	19:24:16;	Dark	;	42.0;	56;	53Kap Ori	;	2.07;	30000;occ;	84;	0;46206
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10;	2313.6;	31-DEC-2010	19:34:10;	Bright;	;	47.5;	151;	13Mu Gem	;	2.89;	3000;occ;	95;	0;46206
11;	2552.7;	31-DEC-2010	19:38:09;	Bright;	;	39.0;	107;	37The Aur	;	2.65;	11000;occ;	78;	0;46206
12;	2677.7;	31-DEC-2010	19:40:14;	Bright;	;	41.0;	6;	13Alp Aur	;	0.08;	3400;occ;	82;	0;46206
13;	3672.2;	31-DEC-2010	19:56:49;	Bright;	;	35.0;	60;	7Bet UMi	;	2.08;	3950;occ;	70;	0;46206
14;	3891.1;	31-DEC-2010	20:00:28;	Bright;	;	49.5;	32;	77Eps UMa	;	1.76;	11000;occ;	99;	0;46206
15;	4087.7;	31-DEC-2010	20:03:44;	Bright;	;	66.0;	39;	85Eta UMa	;	1.85;	24000;occ;	132;	0;46206
16;	4330.9;	31-DEC-2010	20:07:47;	Bright;	;	62.0;	180;	27Gam Boo	;	3.04;	8000;occ;	124;	0;46206
17;	4551.4;	31-DEC-2010	20:11:28;	Bright;	;	62.0;	83;		;	2.38;	11000;occ;	124;	0;46206
18;	4746.2;	31-DEC-2010	20:14:43;	Bright;	;	53.5;	3;	16Alp Boo	;	-0.05;	4250;occ;	107;	0;46206
19;	5169.6;	31-DEC-2010	20:21:46;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;occ;	112;	0;46206
20;	5327.7;	31-DEC-2010	20:24:24;	Dark	;	45.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	91;	0;46206
21;	5739.5;	31-DEC-2010	20:31:16;	Dark	;	48.5;	54;	5The Cen	;	2.06;	4500;occ;	97;	0;46206
22;	5904.9;	31-DEC-2010	20:34:01;	Dark	;	42.0;	95;	Zet Cen	;	2.55;	26000;occ;	84;	0;46206
23;	6113.8;	31-DEC-2010	20:37:30;	Dark	;	44.5;	64;	Gam Cen	;	2.20;	10600;occ;	89;	0;46207
24;	6222.7;	31-DEC-2010	20:39:19;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;46207
25;	6482.0;	31-DEC-2010	20:43:38;	Dark	;	46.5;	113;	Mu Vel	;	2.69;	5000;occ;	93;	0;46207
26;	6636.4;	31-DEC-2010	20:46:13;	Dark	;	45.0;	71;	Iot Car	;	2.25;	7700;occ;	90;	0;46207
27;	6750.2;	31-DEC-2010	20:48:07;	Dark	;	42.5;	46;	Del Vel	;	1.95;	10600;occ;	85;	0;46207
28;	6921.0;	31-DEC-2010	20:50:57;	Dark	;	48.0;	34;	Gam2Vel	;	1.79;	23000;occ;	96;	0;46207
29;	7051.8;	31-DEC-2010	20:53:08;	Dark	;	23.5;	70;	Zet Pup	;	2.25;	39000;occ;	47;	0;46207