

# GOMOS Daily Report 04-NOV-2008

## 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 | 06NOV2008 16:34:22 |
| Data source version       | GOMOS/5.00         |
| Start time of products    | 04NOV2008 00:17:47 |
| Stop time of products     | 04NOV2008 05:31:29 |
| Store outputs in DB       | Yes                |
| Nb of level 1b prods      | 49                 |
| Nb of prods with errors   | 0                  |

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

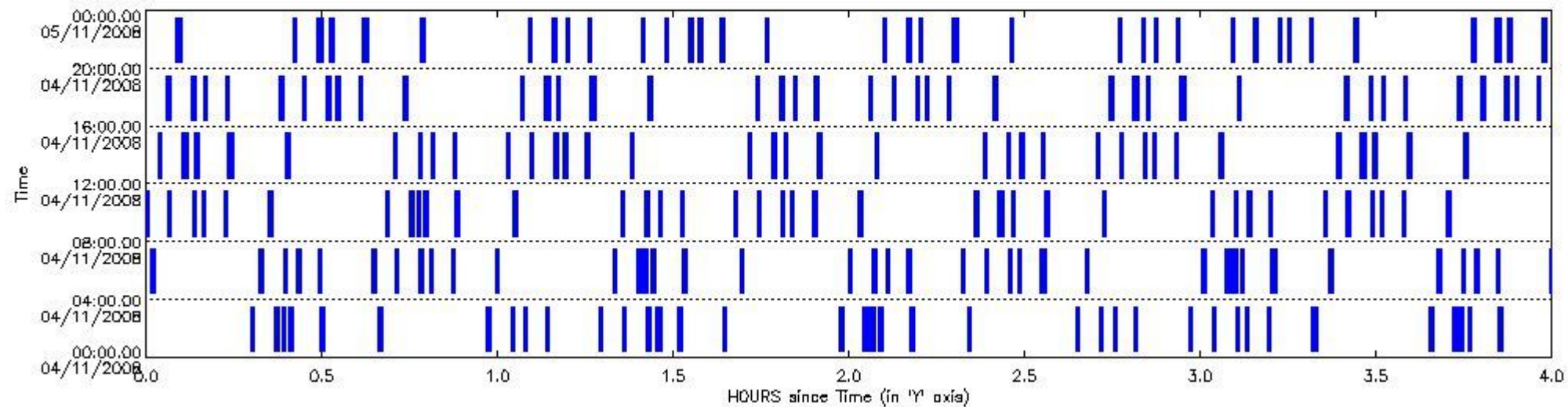
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

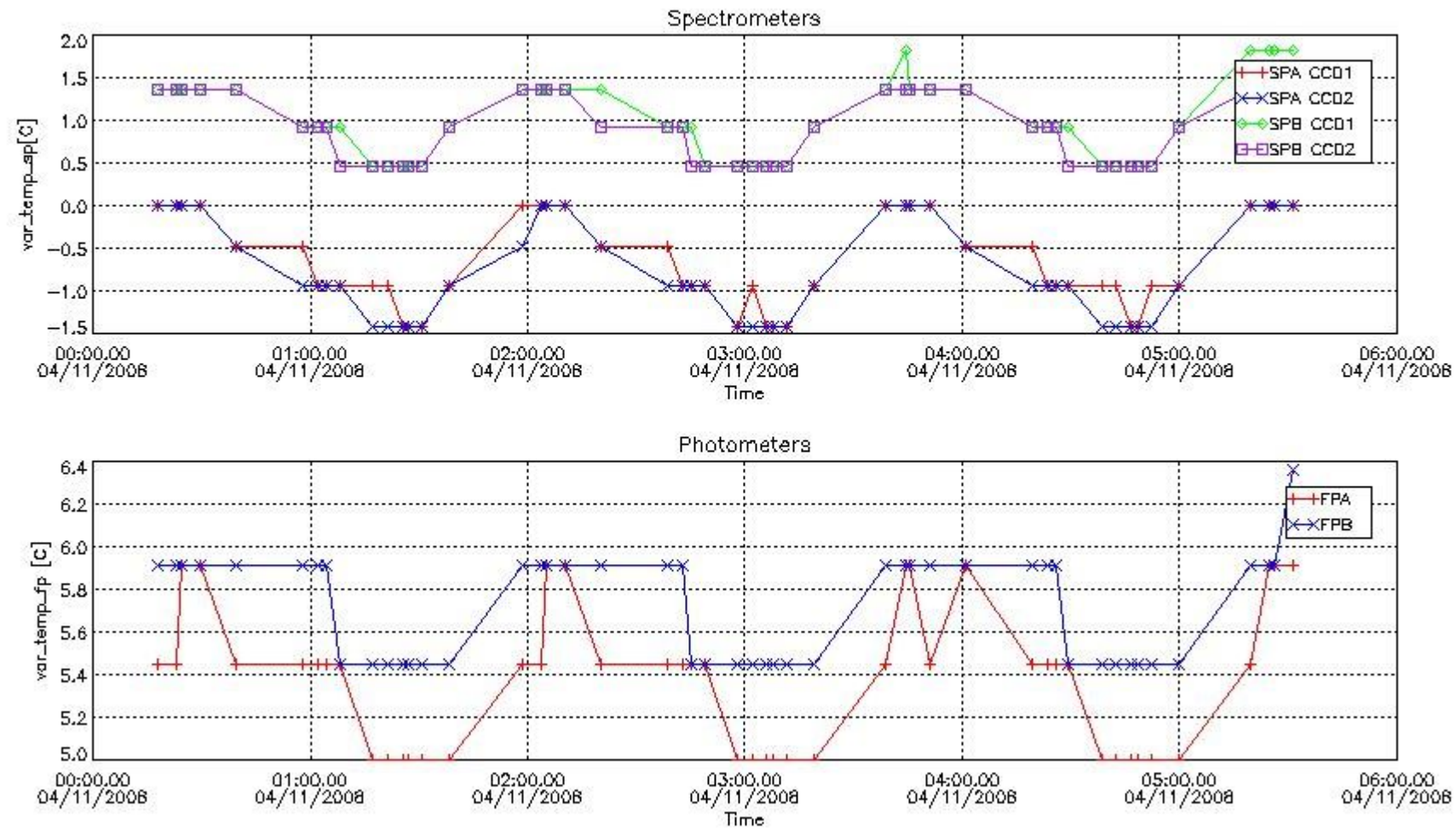
No missing products.

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

| Nr | Filename   | UTC Start time       | Limb       | Duration | Star Id | Star Name | Star Mag | Star Temp | Nb Meas | Orbit | Prod. error |
|----|--|----------------------|------------|----------|---------|-----------|----------|-----------|---------|-------|-------------|
| 1  | GOM_TRA_1PNPDE20081104_001747_000000412073_00302_34925_1146.N1 | 04-NOV-2008 00:17:47 | Dark       | 40.500   | 113     | Mu Vel    | 2.6920   | 5000.0    | 81      | 34925 | No          |
| 2  | GOM_TRA_1PNPDE20081104_002306_000000412073_00303_34926_1147.N1 | 04-NOV-2008 00:23:06 | Dark       | 40.500   | 46      | Del Vel   | 1.9540   | 10600.    | 81      | 34926 | No          |
| 3  | GOM_TRA_1PNPDE20081104_002423_000000422073_00303_34926_1148.N1 | 04-NOV-2008 00:24:23 | Dark       | 42.000   | 41      | Eps Car   | 1.8600   | 4100.0    | 84      | 34926 | No          |
| 4  | GOM_TRA_1PNPDE20081104_002938_000000492073_00303_34926_1149.N1 | 04-NOV-2008 00:29:38 | Dark       | 48.500   | 2       | Alp Car   | -0.73600 | 7000.0    | 97      | 34926 | No          |
| 5  | GOM_TRA_1PNPDE20081104_003934_000000402073_00303_34926_1150.N1 | 04-NOV-2008 00:39:34 | Straylight | 40.000   | 157     | The1Eri   | 2.9060   | 9300.0    | 80      | 34926 | No          |
| 6  | GOM_TRA_1PNPDE20081104_005806_000000392073_00303_34926_1151.N1 | 04-NOV-2008 00:58:06 | Bright     | 38.500   | 105     | 6Bet Ari  | 2.6450   | 8900.0    | 77      | 34926 | No          |
| 7  | GOM_TRA_1PNPDE20081104_010212_000000362073_00303_34926_1152.N1 | 04-NOV-2008 01:02:12 | Bright     | 36.000   | 53      | 43Bet And | 2.0480   | 3300.0    | 72      | 34926 | No          |
| 8  | GOM_TRA_1PNPDE20081104_010427_000000392073_00303_34926_1153.N1 | 04-NOV-2008 01:04:27 | Bright     | 39.000   | 73      | 57Gam1And | 2.2600   | 13100.    | 78      | 34926 | No          |
| 9  | GOM_TRA_1PNPDE20081104_010808_000000352073_00303_34926_1154.N1 | 04-NOV-2008 01:08:08 | Bright     | 34.500   | 68      | 18Alp Cas | 2.2250   | 4500.0    | 69      | 34926 | No          |
| 10 | GOM_TRA_1PNPDE20081104_011722_000000362073_00303_34926_1155.N1 | 04-NOV-2008 01:17:22 | Bright     | 35.500   | 49      | 1Alp UMi  | 1.9900   | 6300.0    | 71      | 34926 | No          |
| 11 | GOM_TRA_1PNPDE20081104_012120_000000372073_00303_34926_1156.N1 | 04-NOV-2008 01:21:20 | Bright     | 36.500   | 60      | 7Bet UMi  | 2.0810   | 3950.0    | 73      | 34926 | No          |
| 12 | GOM_TRA_1PNPDE20081104_012526_000000392073_00303_34926_1157.N1 | 04-NOV-2008 01:25:26 | Bright     | 39.000   | 36      | 50Alp UMa | 1.8000   | 6300.0    | 78      | 34926 | No          |

|    |  |                      |            |        |     |           |          |        |     |       |    |
|----|--|----------------------|------------|--------|-----|-----------|----------|--------|-----|-------|----|
| 13 | GOM_TRA_1PNPDE20081104_012703_000000572073_00303_34926_1158.N1 | 04-NOV-2008 01:27:03 | Bright     | 57.000 | 82  | 48Bet UMa | 2.3650   | 10600. | 114 | 34926 | No |
| 14 | GOM_TRA_1PNPDE20081104_013048_000000402073_00303_34926_1159.N1 | 04-NOV-2008 01:30:48 | Bright     | 39.500 | 174 | 52Psi UMa | 3.0040   | 4400.0 | 79  | 34926 | No |
| 15 | GOM_TRA_1PNPDE20081104_013824_000000402073_00303_34926_1160.N1 | 04-NOV-2008 01:38:24 | Bright     | 40.000 | 96  | 68Del Leo | 2.5600   | 9300.0 | 80  | 34926 | No |
| 16 | GOM_TRA_1PNPDE20081104_015823_000000392073_00303_34926_1311.N1 | 04-NOV-2008 01:58:23 | Dark       | 39.000 | 113 | Mu Vel    | 2.6920   | 5000.0 | 78  | 34926 | No |
| 17 | GOM_TRA_1PNPDE20081104_020342_000000432073_00304_34927_1312.N1 | 04-NOV-2008 02:03:42 | Dark       | 43.000 | 46  | Del Vel   | 1.9540   | 10600. | 86  | 34927 | No |
| 18 | GOM_TRA_1PNPDE20081104_020459_000000432073_00304_34927_1313.N1 | 04-NOV-2008 02:04:59 | Dark       | 43.000 | 41  | Eps Car   | 1.8600   | 4100.0 | 86  | 34927 | No |
| 19 | GOM_TRA_1PNPDE20081104_021015_000000612073_00304_34927_1314.N1 | 04-NOV-2008 02:10:15 | Dark       | 60.500 | 2   | Alp Car   | -0.73600 | 7000.0 | 121 | 34927 | No |
| 20 | GOM_TRA_1PNPDE20081104_022011_000000412073_00304_34927_1315.N1 | 04-NOV-2008 02:20:11 | Straylight | 41.000 | 157 | The1Eri   | 2.9060   | 9300.0 | 82  | 34927 | No |
| 21 | GOM_TRA_1PNPDE20081104_023841_000000392073_00304_34927_1316.N1 | 04-NOV-2008 02:38:41 | Bright     | 38.500 | 105 | 6Bet Ari  | 2.6450   | 8900.0 | 77  | 34927 | No |
| 22 | GOM_TRA_1PNPDE20081104_024248_000000372073_00304_34927_1317.N1 | 04-NOV-2008 02:42:48 | Bright     | 36.500 | 53  | 43Bet And | 2.0480   | 3300.0 | 73  | 34927 | No |
| 23 | GOM_TRA_1PNPDE20081104_024503_000000392073_00304_34927_1318.N1 | 04-NOV-2008 02:45:03 | Bright     | 38.500 | 73  | 57Gam1And | 2.2600   | 13100. | 77  | 34927 | No |
| 24 | GOM_TRA_1PNPDE20081104_024844_000000352073_00304_34927_1319.N1 | 04-NOV-2008 02:48:44 | Bright     | 35.000 | 68  | 18Alp Cas | 2.2250   | 4500.0 | 70  | 34927 | No |
| 25 | GOM_TRA_1PNPDE20081104_025757_000000322073_00304_34927_1320.N1 | 04-NOV-2008 02:57:57 | Bright     | 32.000 | 49  | 1Alp UMi  | 1.9900   | 6300.0 | 64  | 34927 | No |
| 26 | GOM_TRA_1PNPDE20081104_030156_000000362073_00304_34927_1321.N1 | 04-NOV-2008 03:01:56 | Bright     | 36.000 | 60  | 7Bet UMi  | 2.0810   | 3950.0 | 72  | 34927 | No |
| 27 | GOM_TRA_1PNPDE20081104_030601_000000402073_00304_34927_1456.N1 | 04-NOV-2008 03:06:01 | Bright     | 39.500 | 36  | 50Alp UMa | 1.8000   | 6300.0 | 79  | 34927 | No |
| 28 | GOM_TRA_1PNPDE20081104_030739_000000392073_00304_34927_1457.N1 | 04-NOV-2008 03:07:39 | Bright     | 39.000 | 82  | 48Bet UMa | 2.3650   | 10600. | 78  | 34927 | No |
| 29 | GOM_TRA_1PNPDE20081104_031124_000000392073_00304_34927_1458.N1 | 04-NOV-2008 03:11:24 | Bright     | 38.500 | 174 | 52Psi UMa | 3.0040   | 4400.0 | 77  | 34927 | No |
| 30 | GOM_TRA_1PNPDE20081104_031900_000000582073_00304_34927_1459.N1 | 04-NOV-2008 03:19:00 | Bright     | 58.000 | 96  | 68Del Leo | 2.5600   | 9300.0 | 116 | 34927 | No |
| 31 | GOM_TRA_1PNPDE20081104_033900_000000472073_00304_34927_1460.N1 | 04-NOV-2008 03:39:00 | Dark       | 47.000 | 113 | Mu Vel    | 2.6920   | 5000.0 | 94  | 34927 | No |
| 32 | GOM_TRA_1PNPDE20081104_034419_000000412073_00305_34928_1461.N1 | 04-NOV-2008 03:44:19 | Dark       | 40.500 | 46  | Del Vel   | 1.9540   | 10600. | 81  | 34928 | No |
| 33 | GOM_TRA_1PNPDE20081104_034536_000000412073_00305_34928_1462.N1 | 04-NOV-2008 03:45:36 | Dark       | 40.500 | 41  | Eps Car   | 1.8600   | 4100.0 | 81  | 34928 | No |
| 34 | GOM_TRA_1PNPDE20081104_035052_000000482073_00305_34928_1463.N1 | 04-NOV-2008 03:50:52 | Dark       | 48.000 | 2   | Alp Car   | -0.73600 | 7000.0 | 96  | 34928 | No |
| 35 | GOM_TRA_1PNPDE20081104_040047_000000412073_00305_34928_1464.N1 | 04-NOV-2008 04:00:47 | Straylight | 40.500 | 157 | The1Eri   | 2.9060   | 9300.0 | 81  | 34928 | No |
| 36 | GOM_TRA_1PNPDE20081104_041917_000000372073_00305_34928_1465.N1 | 04-NOV-2008 04:19:17 | Bright     | 36.500 | 105 | 6Bet Ari  | 2.6450   | 8900.0 | 73  | 34928 | No |
| 37 | GOM_TRA_1PNPDE20081104_042324_000000362073_00305_34928_1466.N1 | 04-NOV-2008 04:23:24 | Bright     | 35.500 | 53  | 43Bet And | 2.0480   | 3300.0 | 71  | 34928 | No |
| 38 | GOM_TRA_1PNPDE20081104_042539_000000382073_00305_34928_1467.N1 | 04-NOV-2008 04:25:39 | Bright     | 38.000 | 73  | 57Gam1And | 2.2600   | 13100. | 76  | 34928 | No |
| 39 | GOM_TRA_1PNPDE20081104_042920_000000352073_00305_34928_1468.N1 | 04-NOV-2008 04:29:20 | Bright     | 34.500 | 68  | 18Alp Cas | 2.2250   | 4500.0 | 69  | 34928 | No |
| 40 | GOM_TRA_1PNPDE20081104_043834_000000362073_00305_34928_1469.N1 | 04-NOV-2008 04:38:34 | Bright     | 35.500 | 49  | 1Alp UMi  | 1.9900   | 6300.0 | 71  | 34928 | No |
| 41 | GOM_TRA_1PNPDE20081104_044232_000000362073_00305_34928_1632.N1 | 04-NOV-2008 04:42:32 | Bright     | 35.500 | 60  | 7Bet UMi  | 2.0810   | 3950.0 | 71  | 34928 | No |
| 42 | GOM_TRA_1PNPDE20081104_044637_000000382073_00305_34928_1633.N1 | 04-NOV-2008 04:46:37 | Bright     | 38.000 | 36  | 50Alp UMa | 1.8000   | 6300.0 | 76  | 34928 | No |
| 43 | GOM_TRA_1PNPDE20081104_044814_000000392073_00305_34928_1634.N1 | 04-NOV-2008 04:48:14 | Bright     | 38.500 | 82  | 48Bet UMa | 2.3650   | 10600. | 77  | 34928 | No |
| 44 | GOM_TRA_1PNPDE20081104_045200_000000392073_00305_34928_1635.N1 | 04-NOV-2008 04:52:00 | Bright     | 39.000 | 174 | 52Psi UMa | 3.0040   | 4400.0 | 78  | 34928 | No |
| 45 | GOM_TRA_1PNPDE20081104_045937_000000392073_00305_34928_1636.N1 | 04-NOV-2008 04:59:37 | Bright     | 39.000 | 96  | 68Del Leo | 2.5600   | 9300.0 | 78  | 34928 | No |
| 46 | GOM_TRA_1PNPDE20081104_051936_000000422073_00305_34928_1637.N1 | 04-NOV-2008 05:19:36 | Dark       | 42.000 | 113 | Mu Vel    | 2.6920   | 5000.0 | 84  | 34928 | No |
| 47 | GOM_TRA_1PNPDE20081104_052456_000000422073_00306_34929_1638.N1 | 04-NOV-2008 05:24:56 | Dark       | 41.500 | 46  | Del Vel   | 1.9540   | 10600. | 83  | 34929 | No |
| 48 | GOM_TRA_1PNPDE20081104_052613_000000422073_00306_34929_1639.N1 | 04-NOV-2008 05:26:13 | Dark       | 41.500 | 41  | Eps Car   | 1.8600   | 4100.0 | 83  | 34929 | No |
| 49 | GOM_TRA_1PNPDE20081104_053129_000000542073_00306_34929_1640.N1 | 04-NOV-2008 05:31:29 | Dark       | 53.500 | 2   | Alp Car   | -0.73600 | 7000.0 | 107 | 34929 | No |

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



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

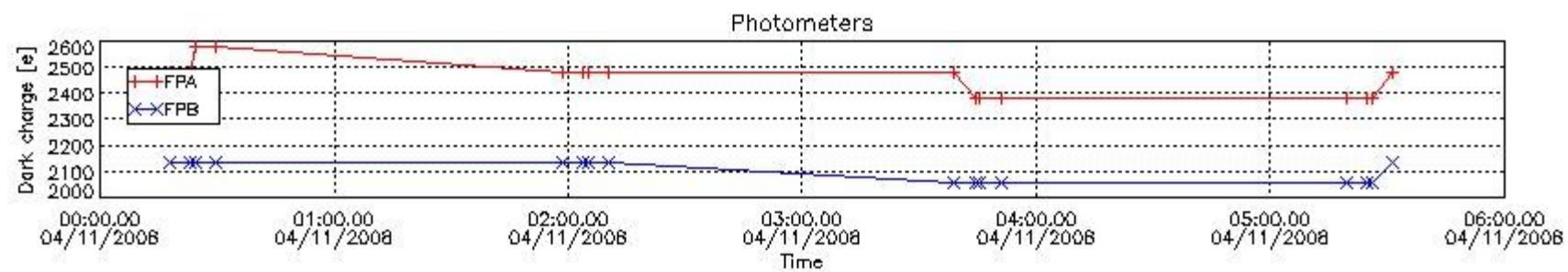
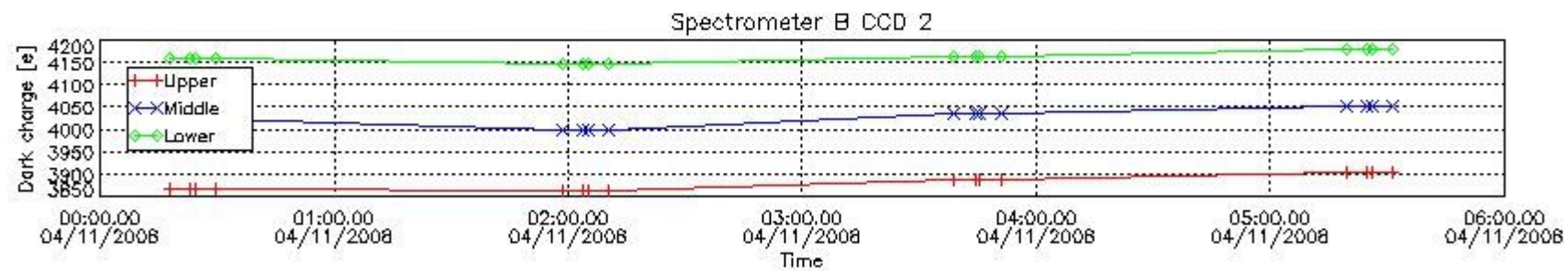
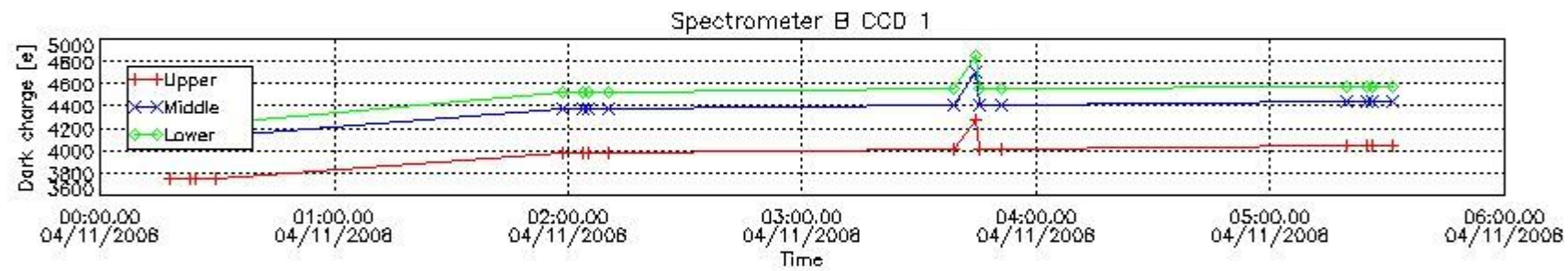
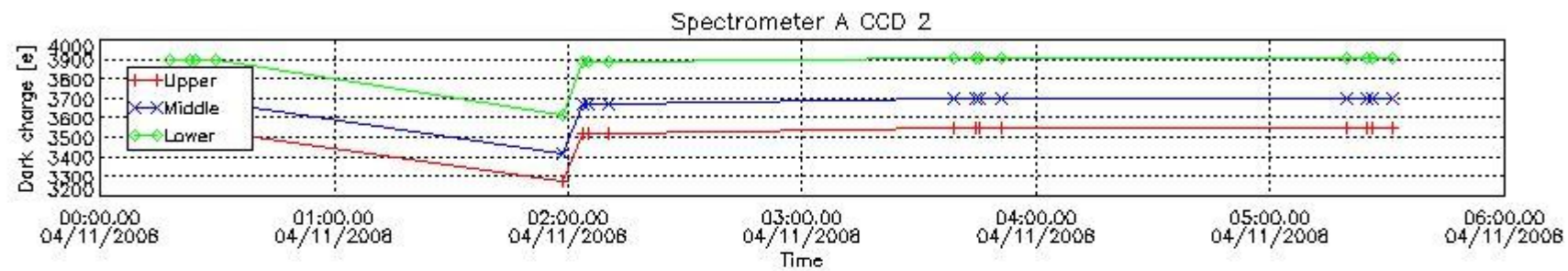
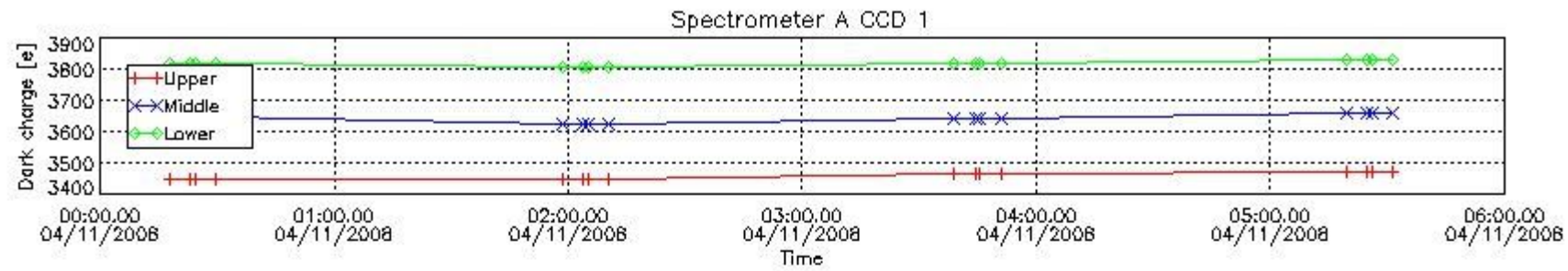
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount its value measured on ground at the same temperature) and the "Random Telegraphic Signal" (abrupt change positive or negative of the CCD pixel signal, random in time, affecting only the DC part of the signal and not the photon generated signal).

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

##### 4.1 All products used the DSA observation for the DC computation

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





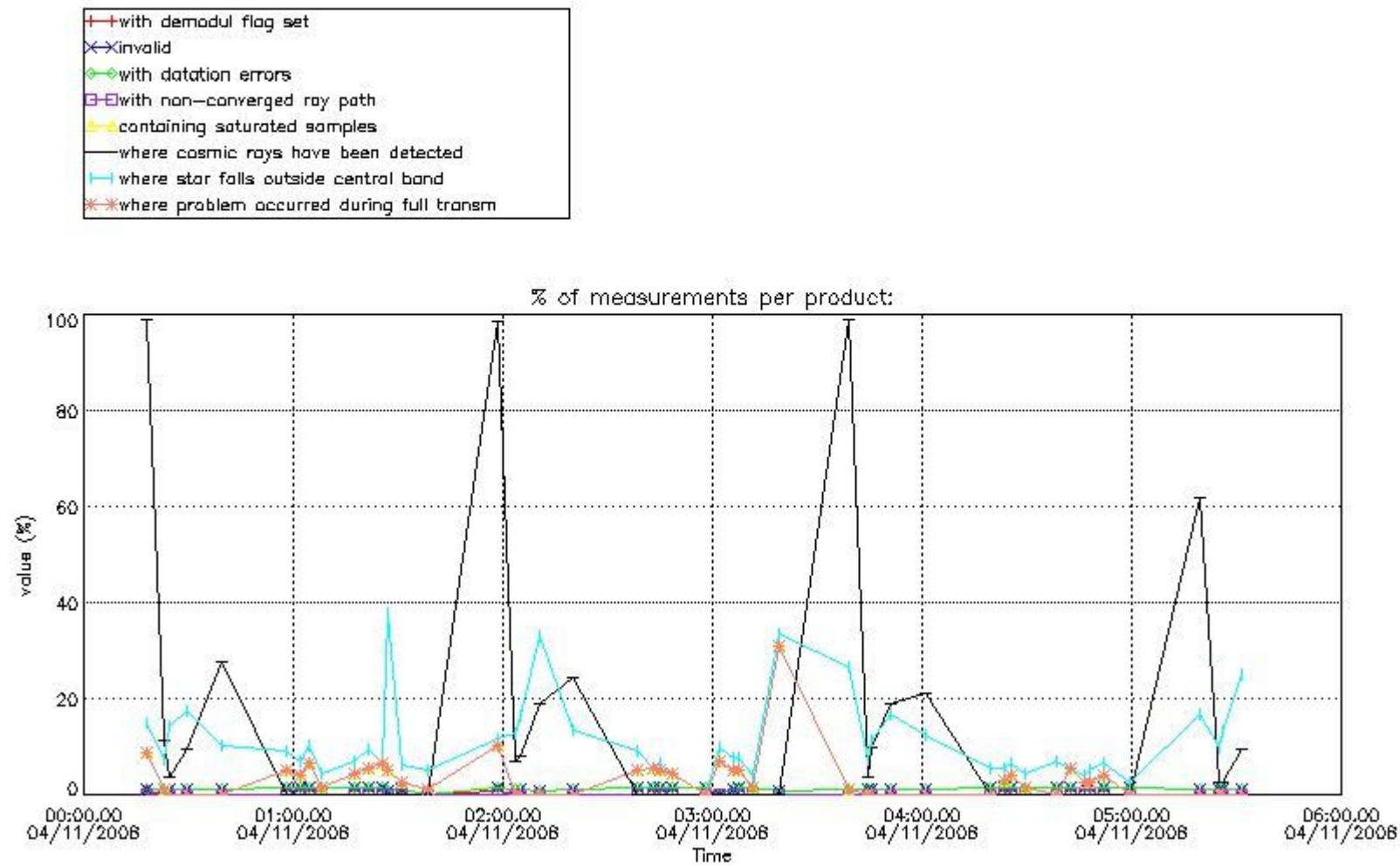
## 5. Demodulation flag and quality information monitoring

In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

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

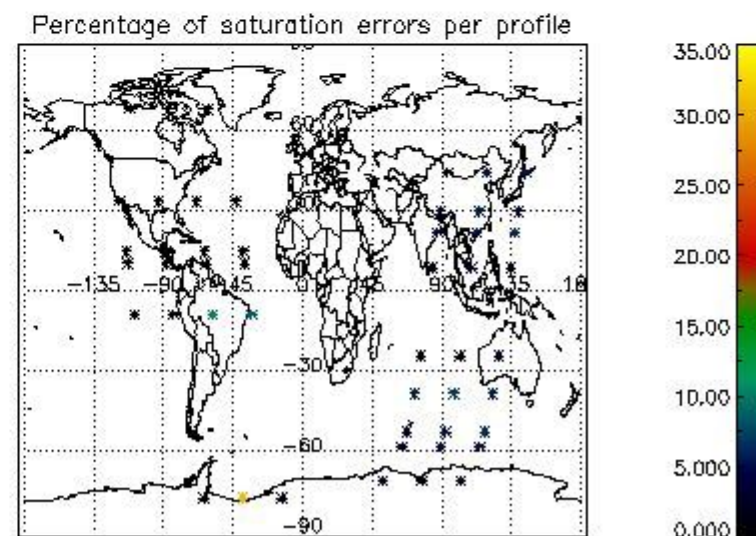
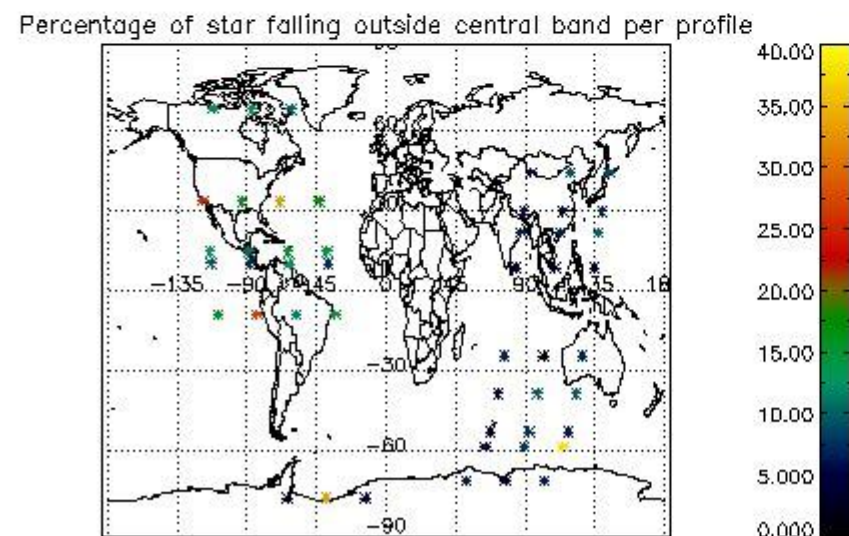
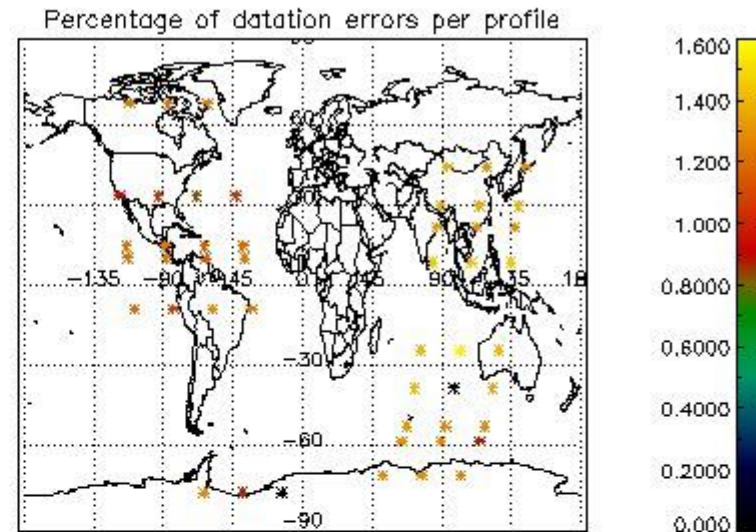
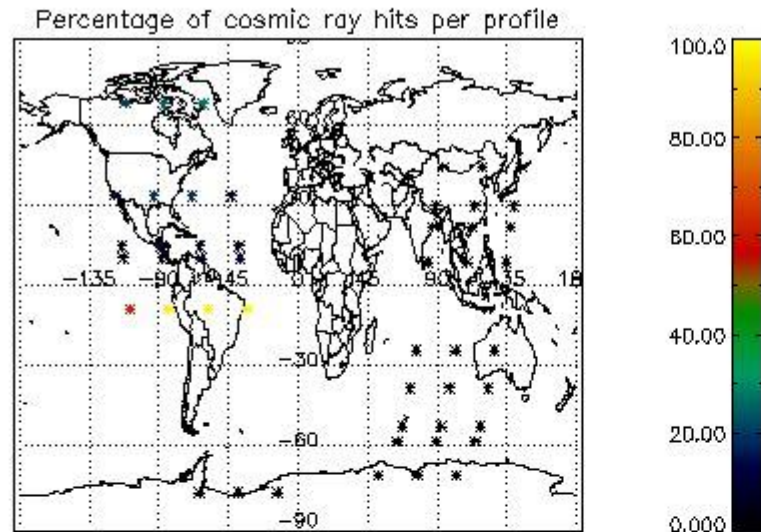
|   |           |
|---|-----------|
| At least one measurement with demodulation flag set:  | 24.4898 % |
| Reference spectrum computed from DB:                  | 0.00000 % |
| Reference spectrum with small number of measurements: | 0.00000 % |
| SATU data not used:                                   | 0.00000 % |

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)





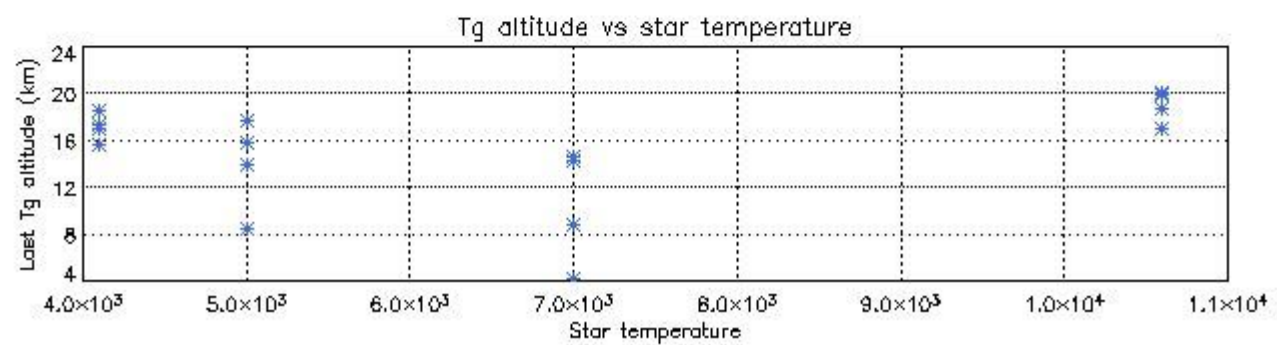
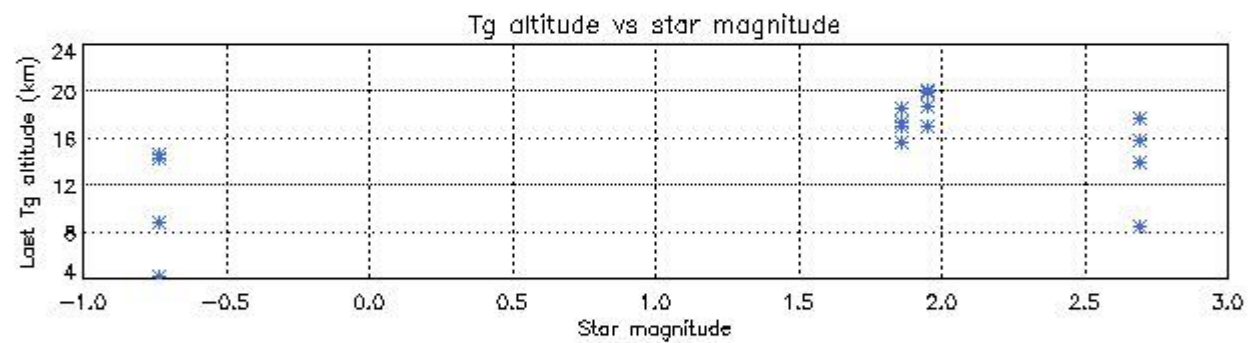
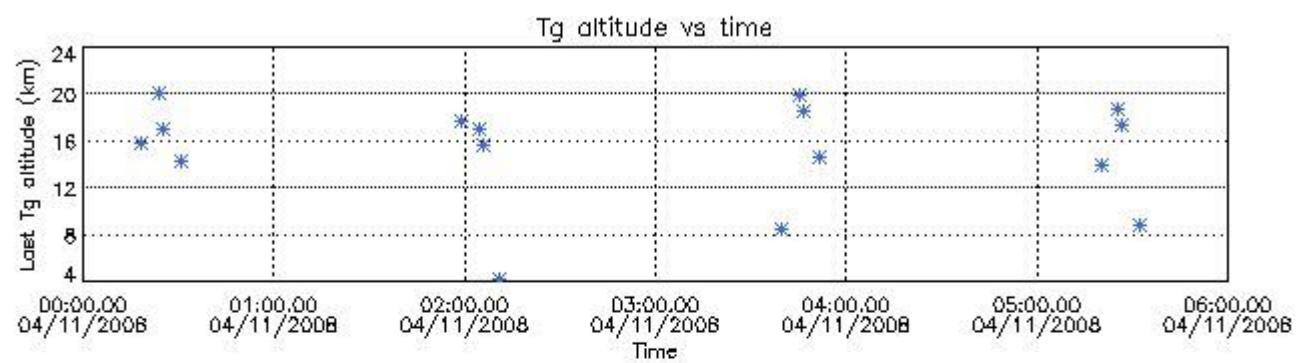
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

| Statistics      | DARK   | BRIGHT | TWILIGHT |
|-----------------|--------|--------|----------|
| Mean:           | 15.104 | 20.046 | NaN      |
| St. deviation:  | 4.4429 | 4.8268 | NaN      |
| Maximum:        | 20.044 | 30.240 | NaN      |
| Minimum:        | 4.1497 | 3.6320 | NaN      |
| Number of data: | 16.000 | 30.000 | NaN      |

### 6.2 Plot for DARK limb products

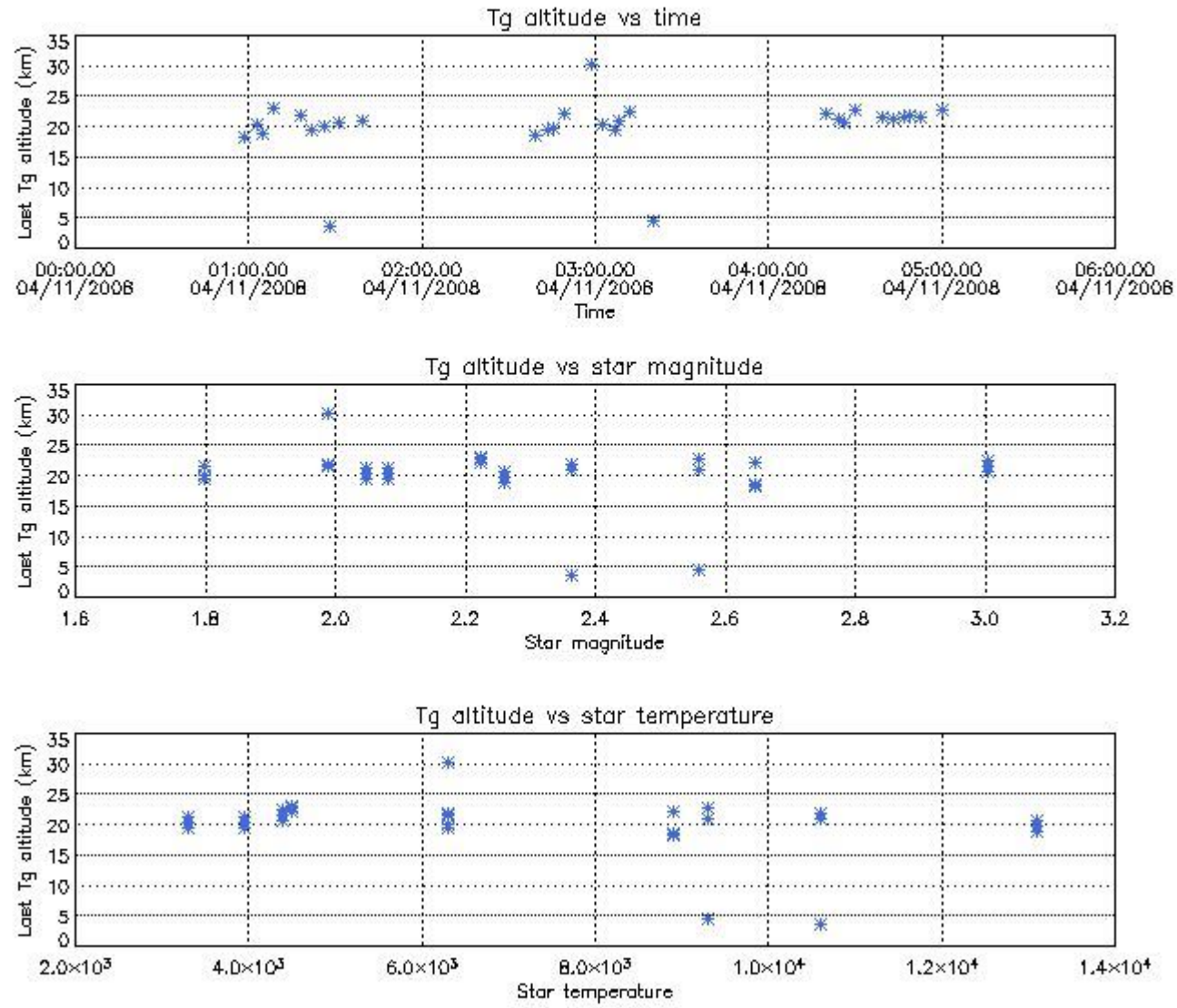
Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products



Tangent altitude at which the star is lost

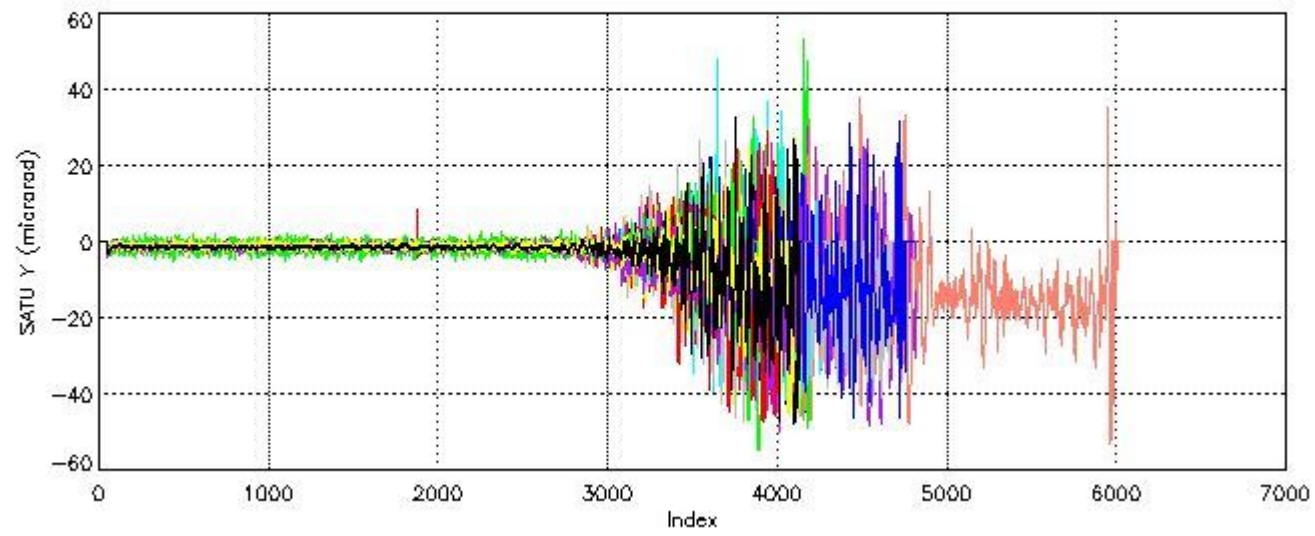
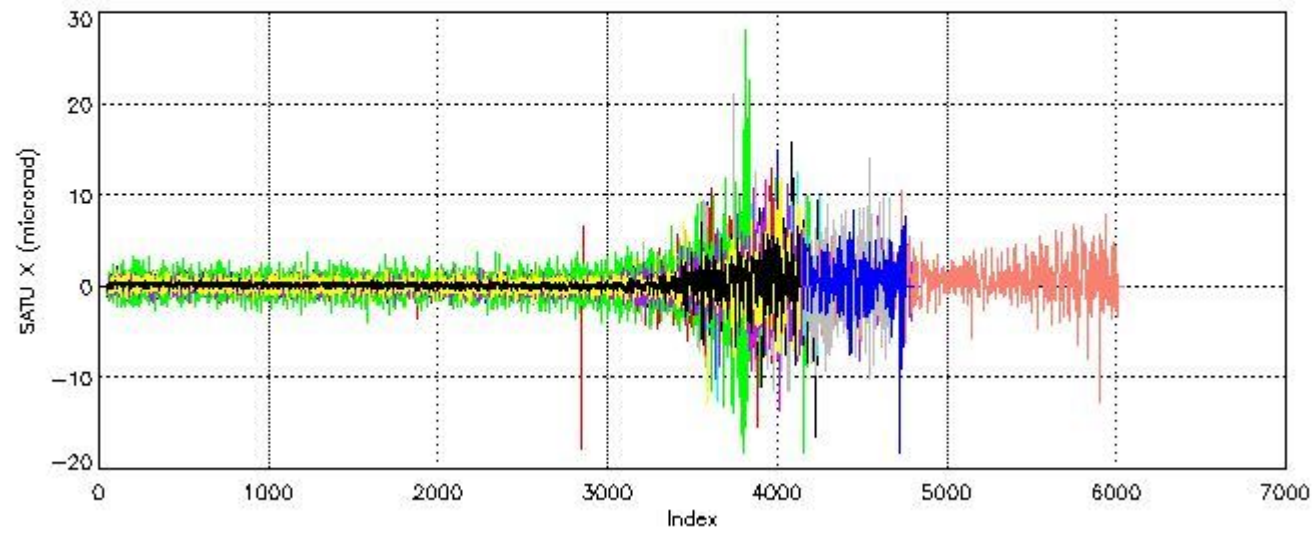


## 7. Star Acquisition and Tracking Unit (SATU)

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:          | 0.13166    | -1.2953    | 0.10747    | -1.4024    |
| St. deviation: | 0.33465    | 0.54581    | 0.60377    | 0.78684    |
| Maximum:       | 2.2000     | 1.1000     | 4.2000     | 2.6000     |
| Minimum:       | -1.8000    | -4.2000    | -4.3000    | -5.7000    |

|                 |        |        |        |        |
|-----------------|--------|--------|--------|--------|
| Number of data: | 15200. | 15200. | 25650. | 25650. |
|-----------------|--------|--------|--------|--------|

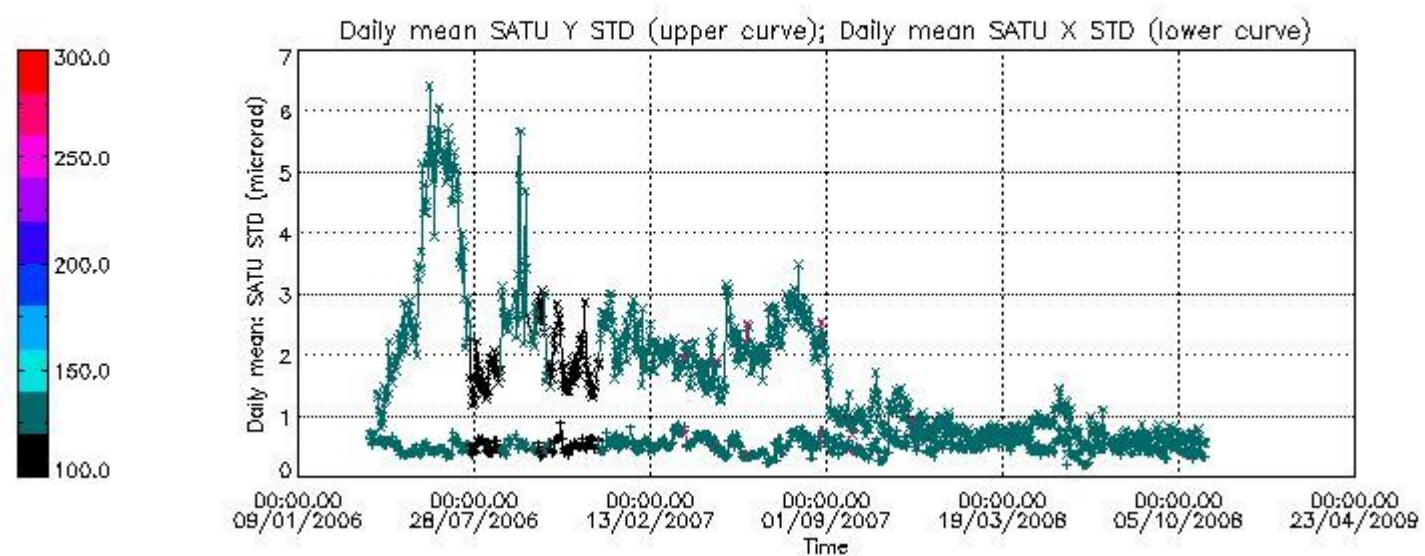
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

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

Upper curve: STD of SATU Y axis

Lower curve: STD of SATU X axis

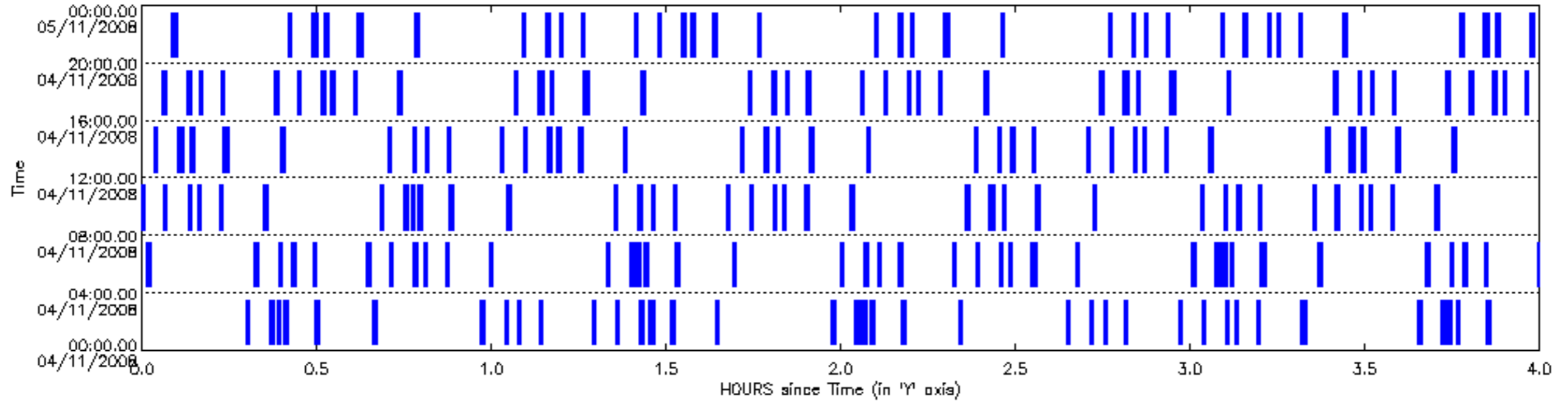


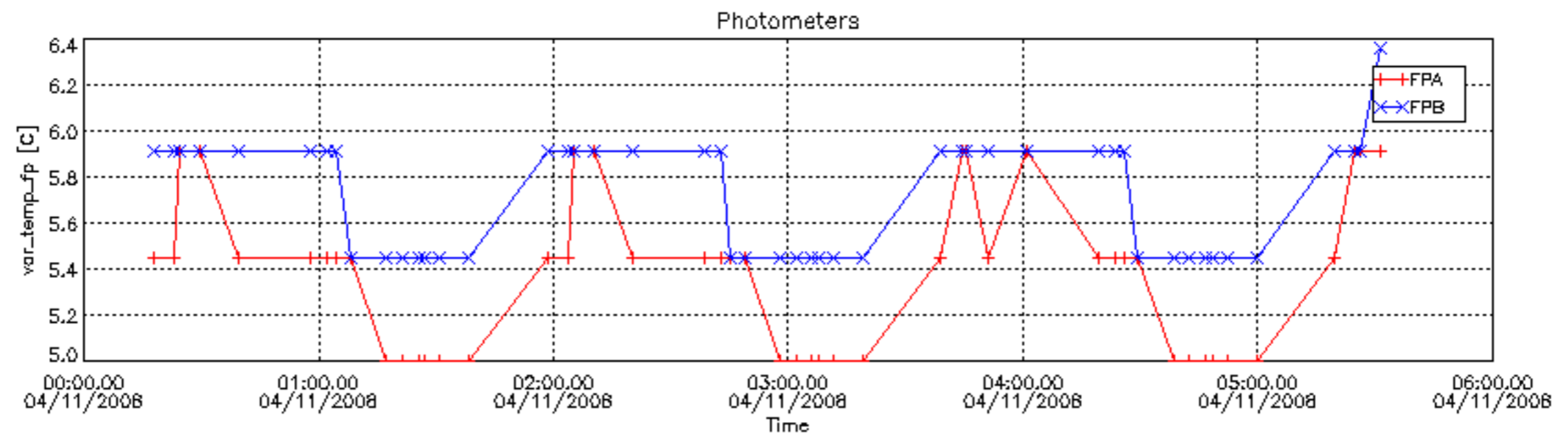
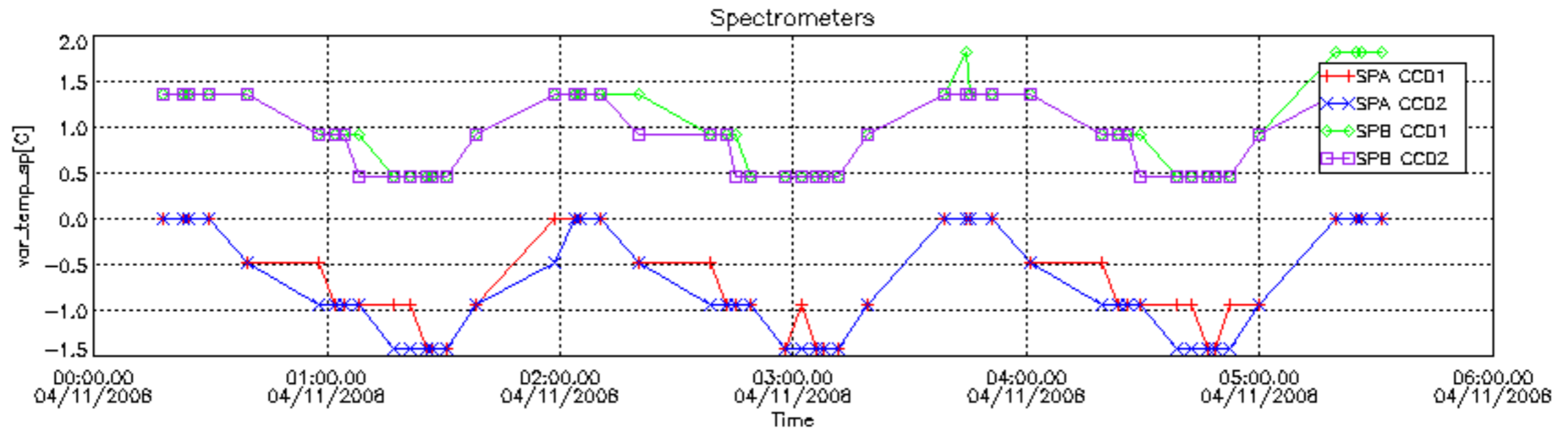
### 8. Auxiliary Data Files used for the production reported in section 2.4

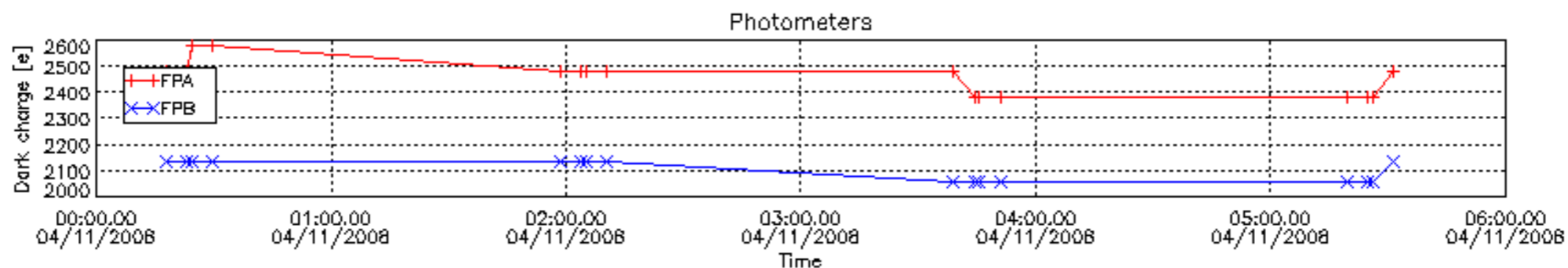
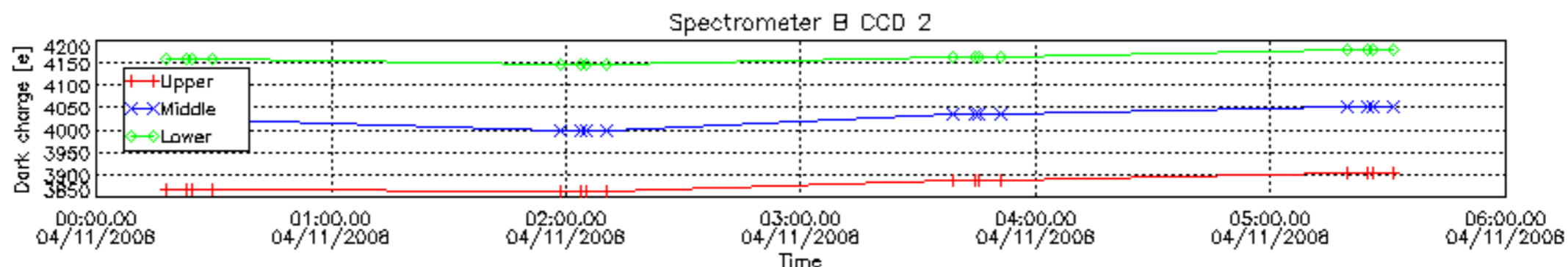
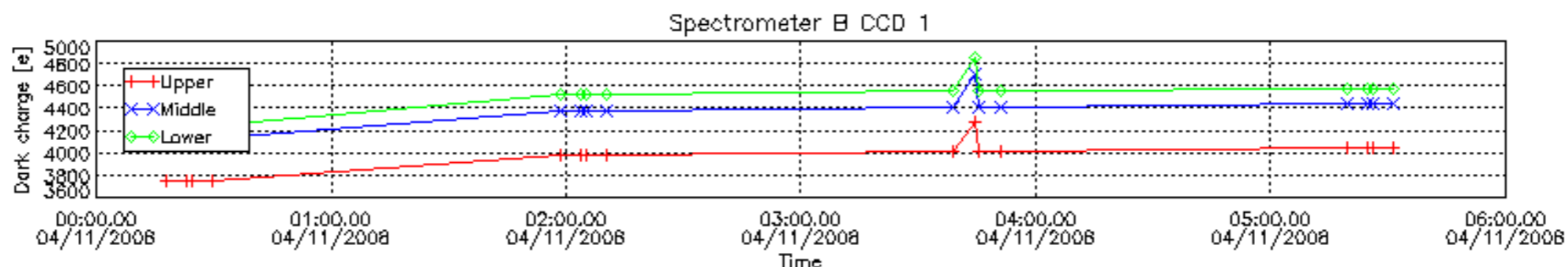
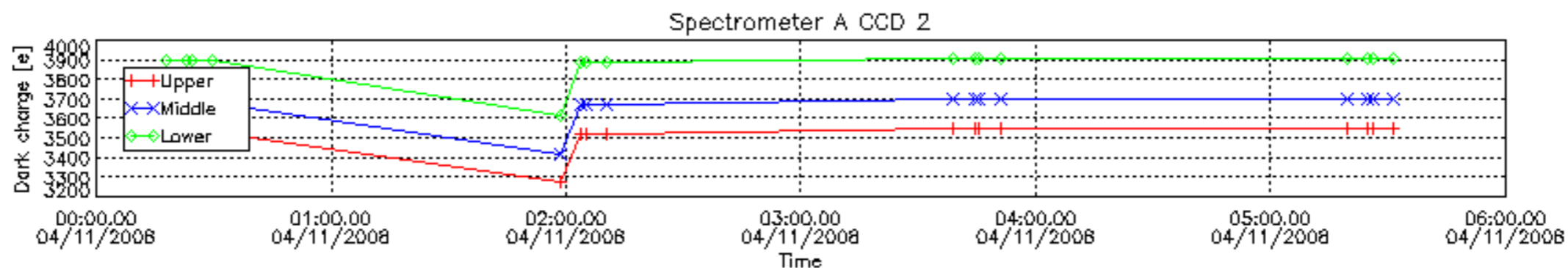
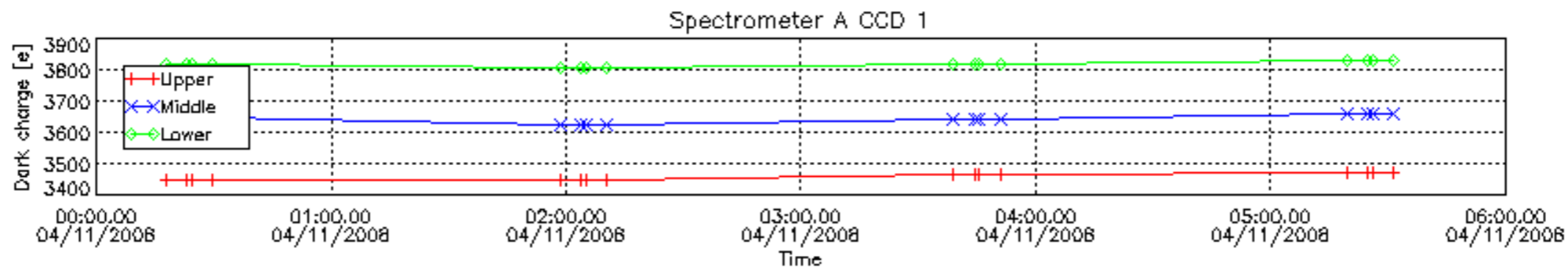
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

| Type                      | Auxiliary Filename   | Used since product | Used since product date |
|---------------------------|--|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000  | 1                  | 04-NOV-2008 00:17:47    |
| CALIBRATION_DATABASE      | GOM_CAL_AXVIEC20081103_151437_20081101_000000_20100101_000000  | 1                  | 04-NOV-2008 00:17:47    |
| LEVEL-1B_PROC_CONFIG      | GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000  | 1                  | 04-NOV-2008 00:17:47    |
| STAR_CATALOGUE            | GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000  | 1                  | 04-NOV-2008 00:17:47    |
| STELLAR_SPECTRA_DATABANK  | GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000  | 1                  | 04-NOV-2008 00:17:47    |
| ECMWF_FILE                | AUX_ECF_AXNECM20081103_072108_20081103_210000_20081104_090000  | 1                  | 04-NOV-2008 00:17:47    |
| ECMWF_FILE                | AUX_ECF_AXNECM20081103_194420_20081104_030000_20081104_150000  | 27                 | 04-NOV-2008 03:06:01    |
| OPTIONAL_ECMWF_FILE       | MISSING  | 1                  | 04-NOV-2008 00:17:47    |
| ORBIT_DATA_FILE           | DOR_NAV_OPNPDE20081103_222553_000057382073_00301_34924_6695.N1 | 1                  | 04-NOV-2008 00:17:47    |
| ORBIT_DATA_FILE           | DOR_NAV_OPNPDE20081104_000650_000054192073_00302_34925_6696.N1 | 16                 | 04-NOV-2008 01:58:23    |
| ORBIT_DATA_FILE           | DOR_NAV_OPNPDE20081104_030211_000054192073_00304_34927_6698.N1 | 27                 | 04-NOV-2008 03:06:01    |

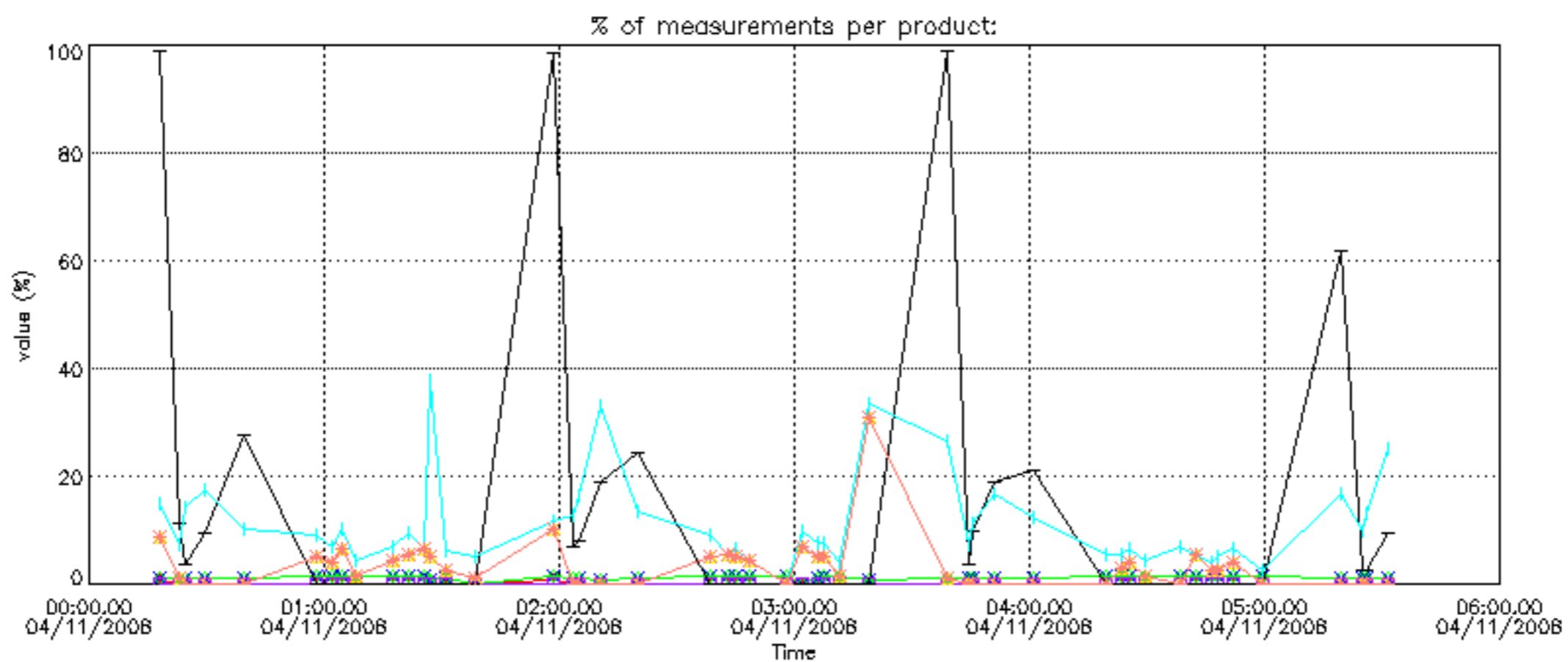




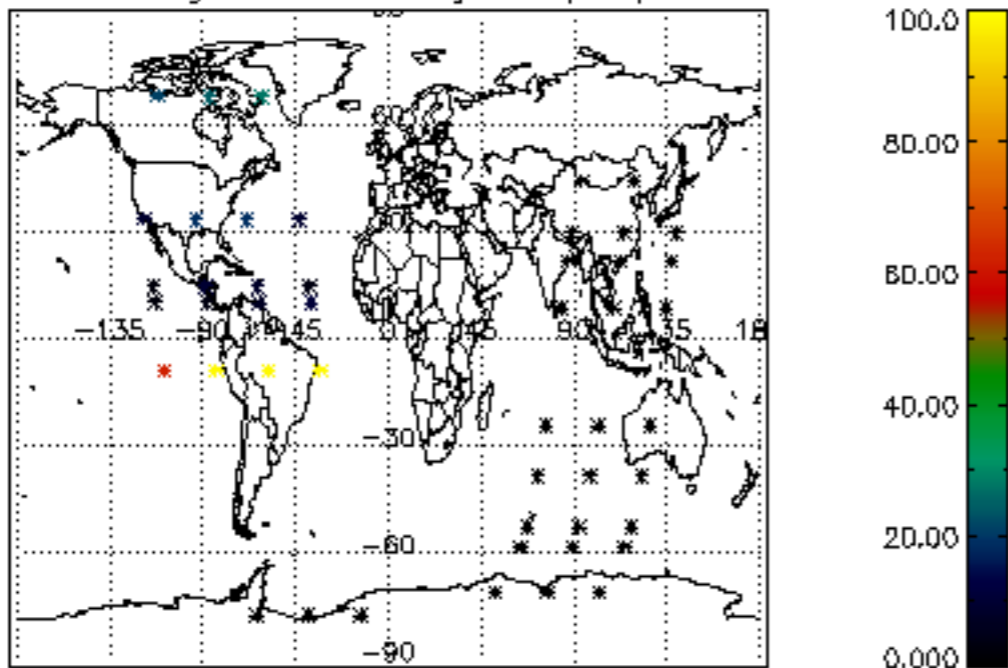




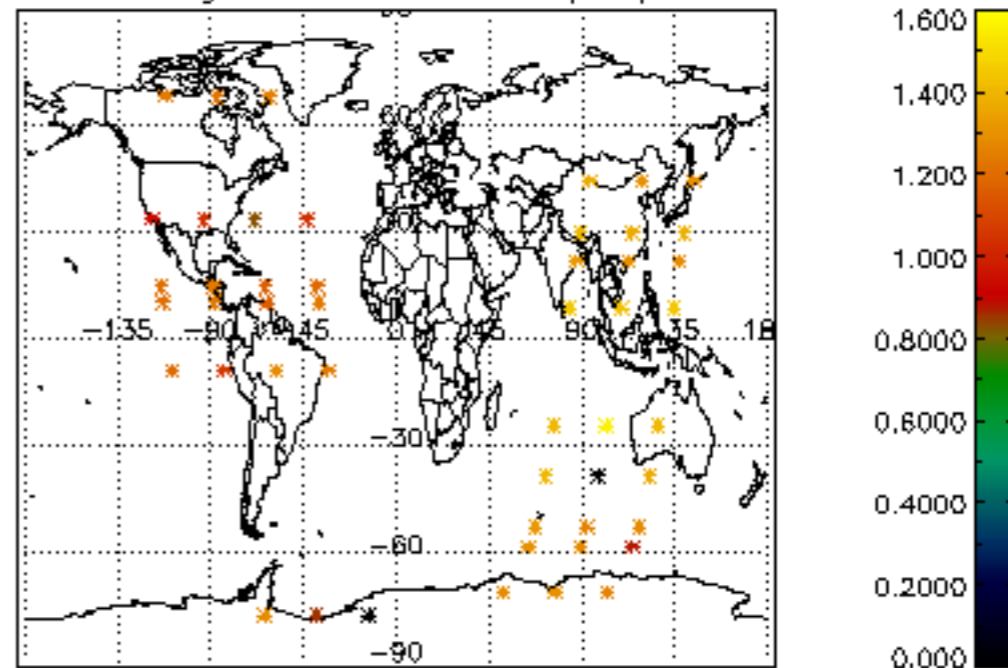




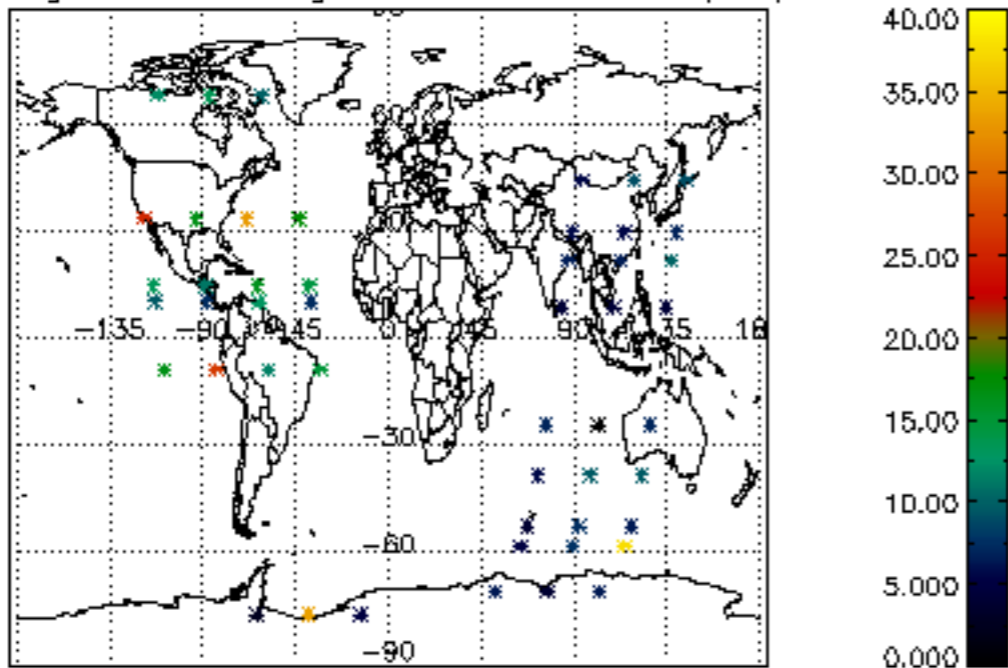
Percentage of cosmic ray hits per profile



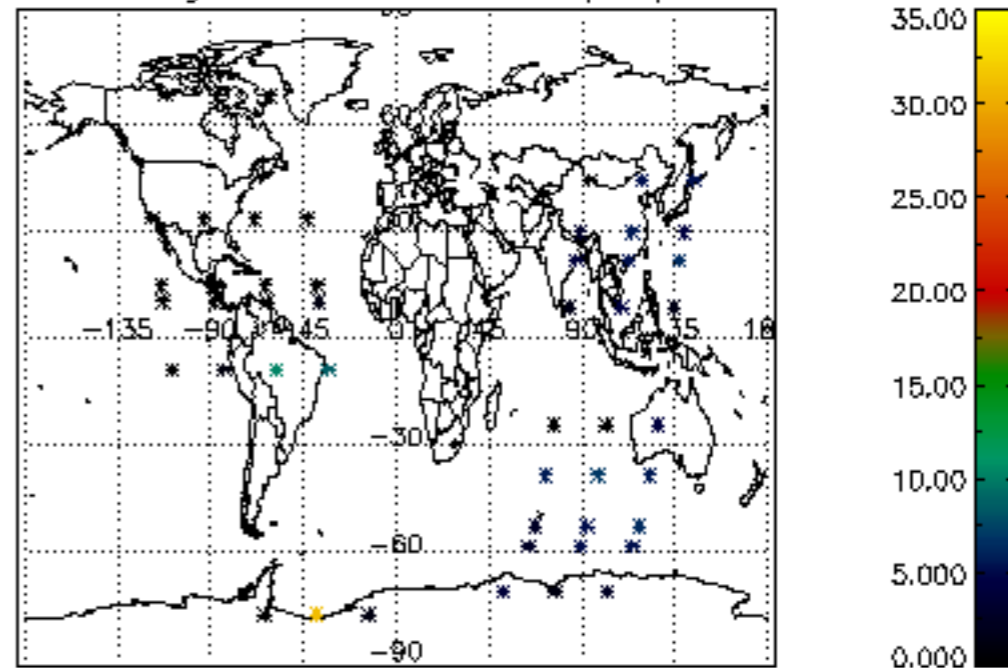
Percentage of datation errors per profile



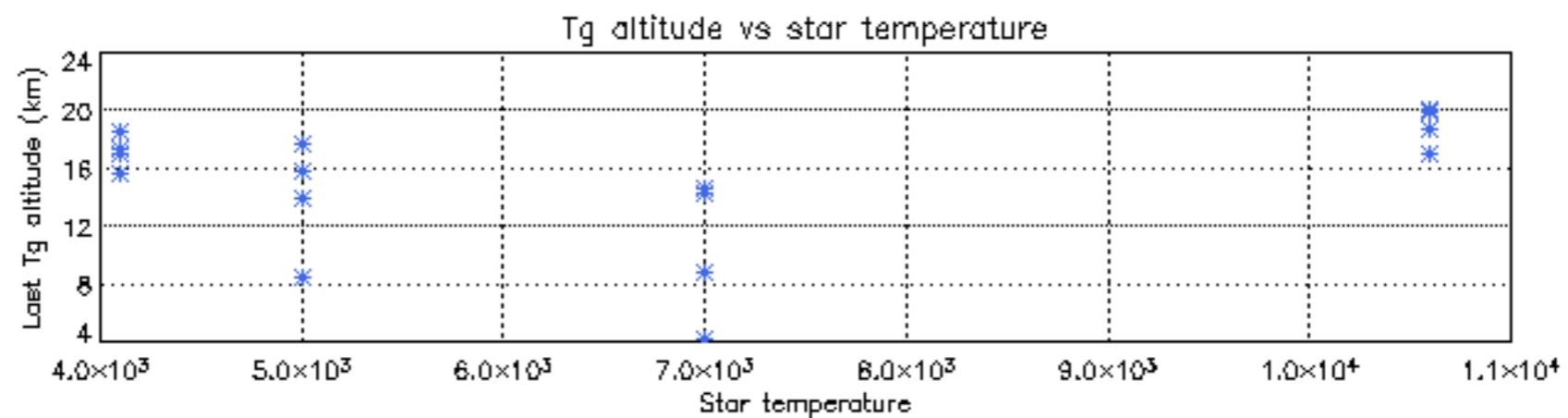
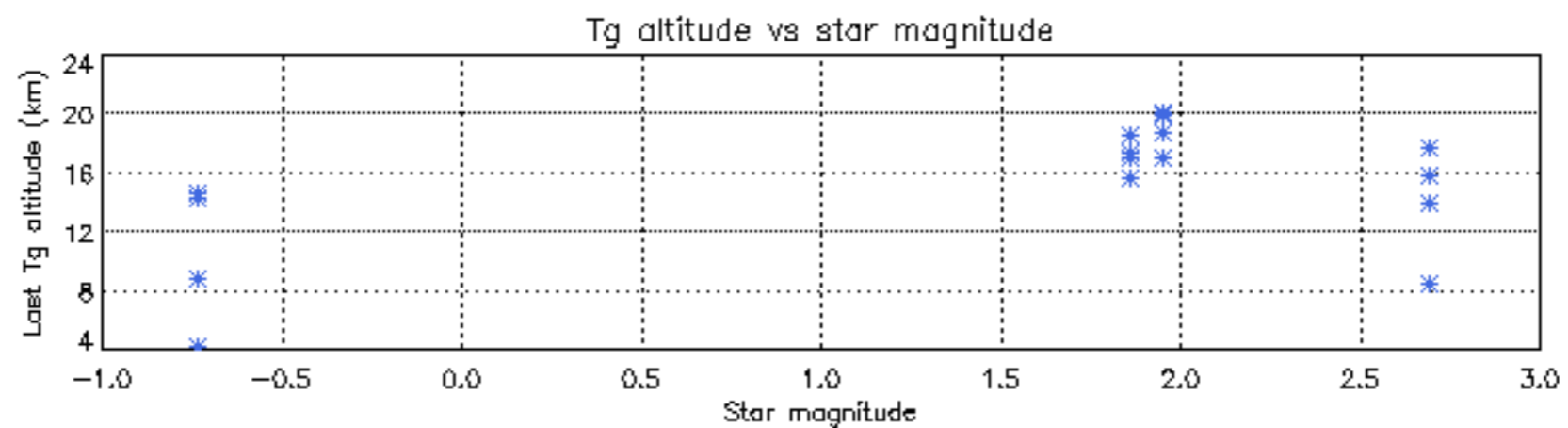
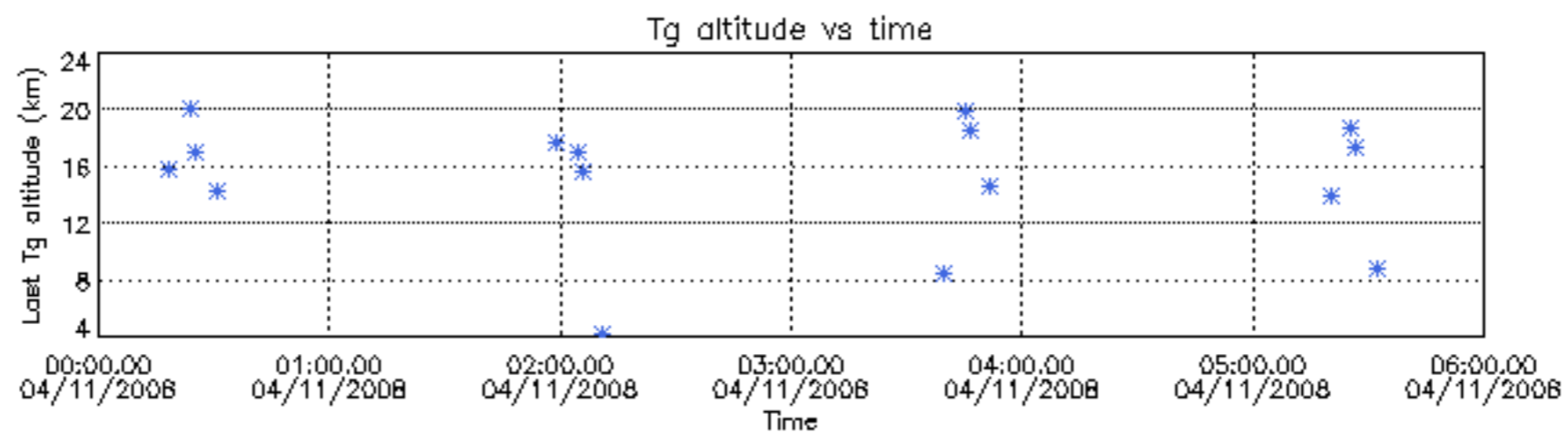
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

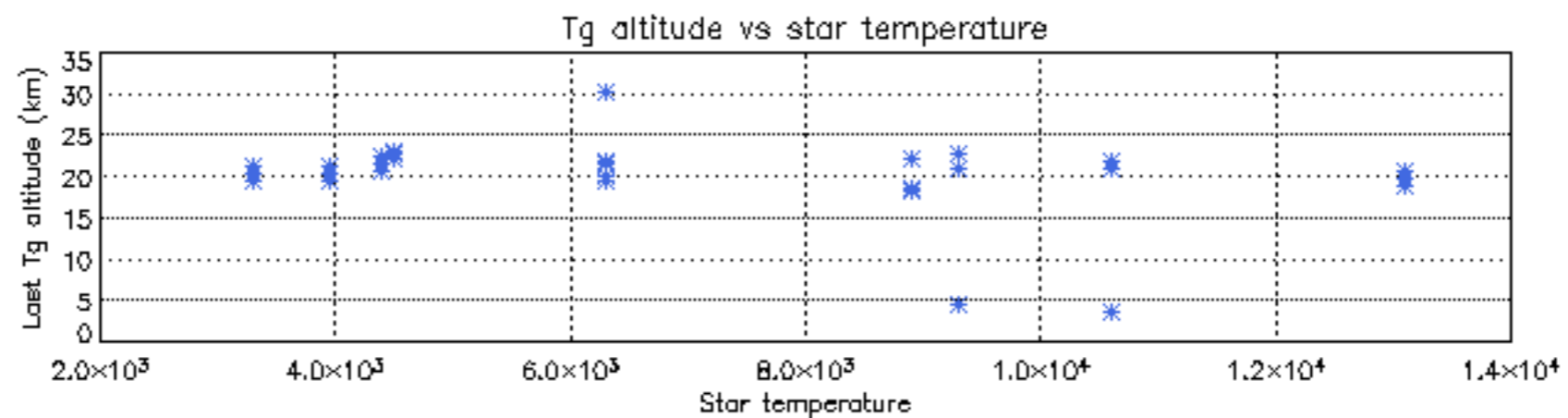
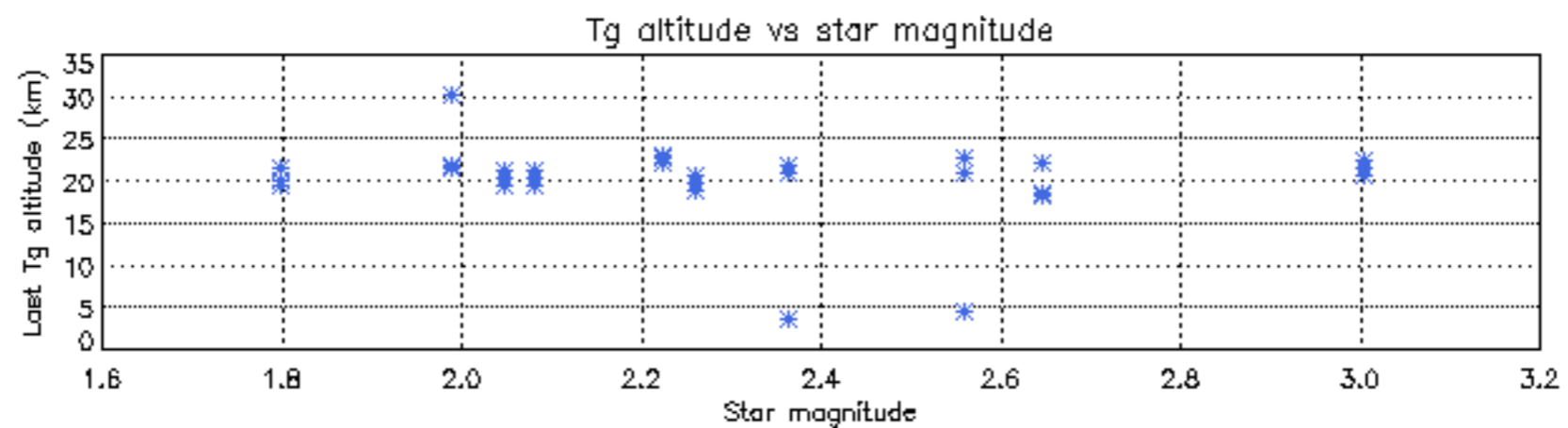
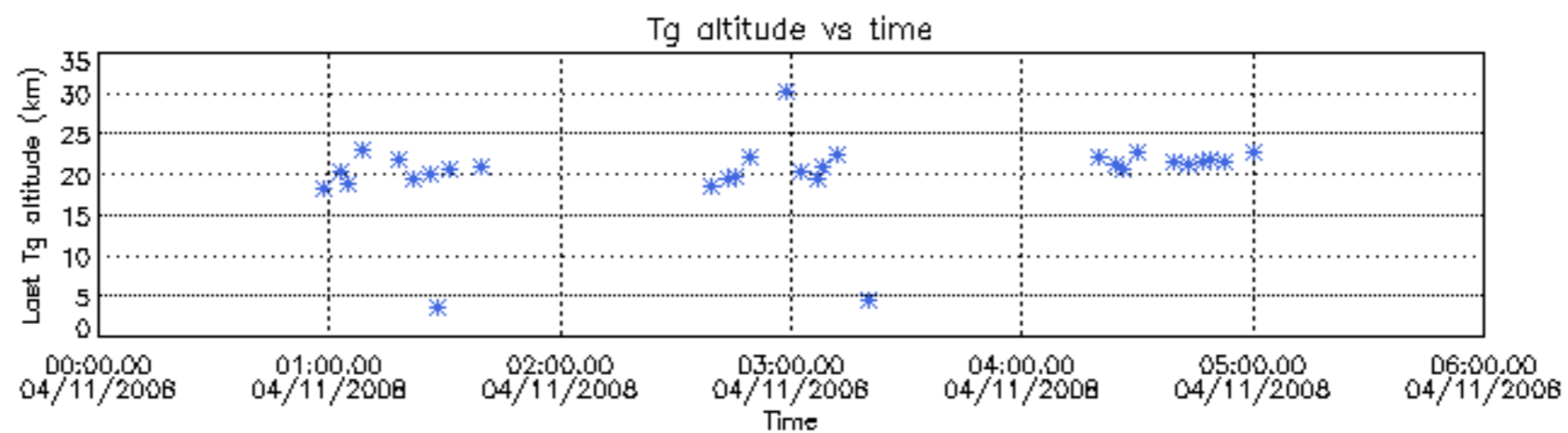


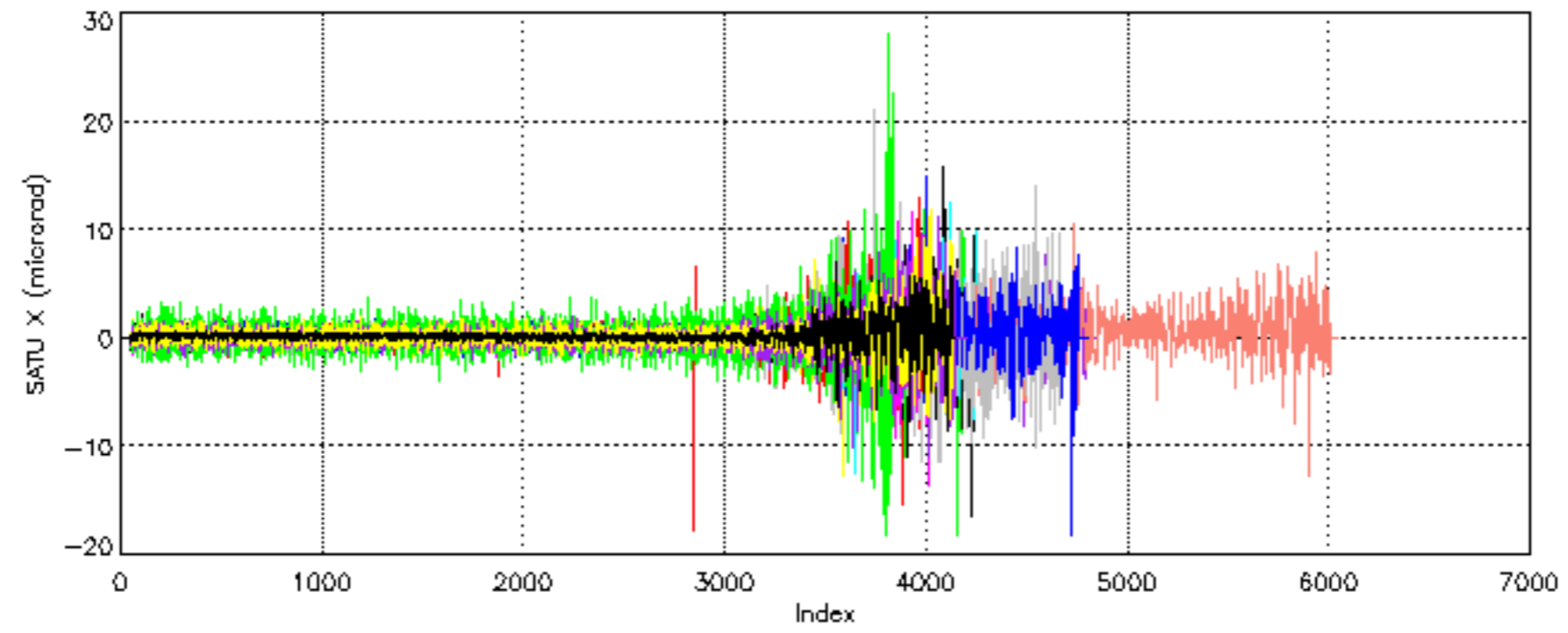
Tangent altitude at which the star is lost

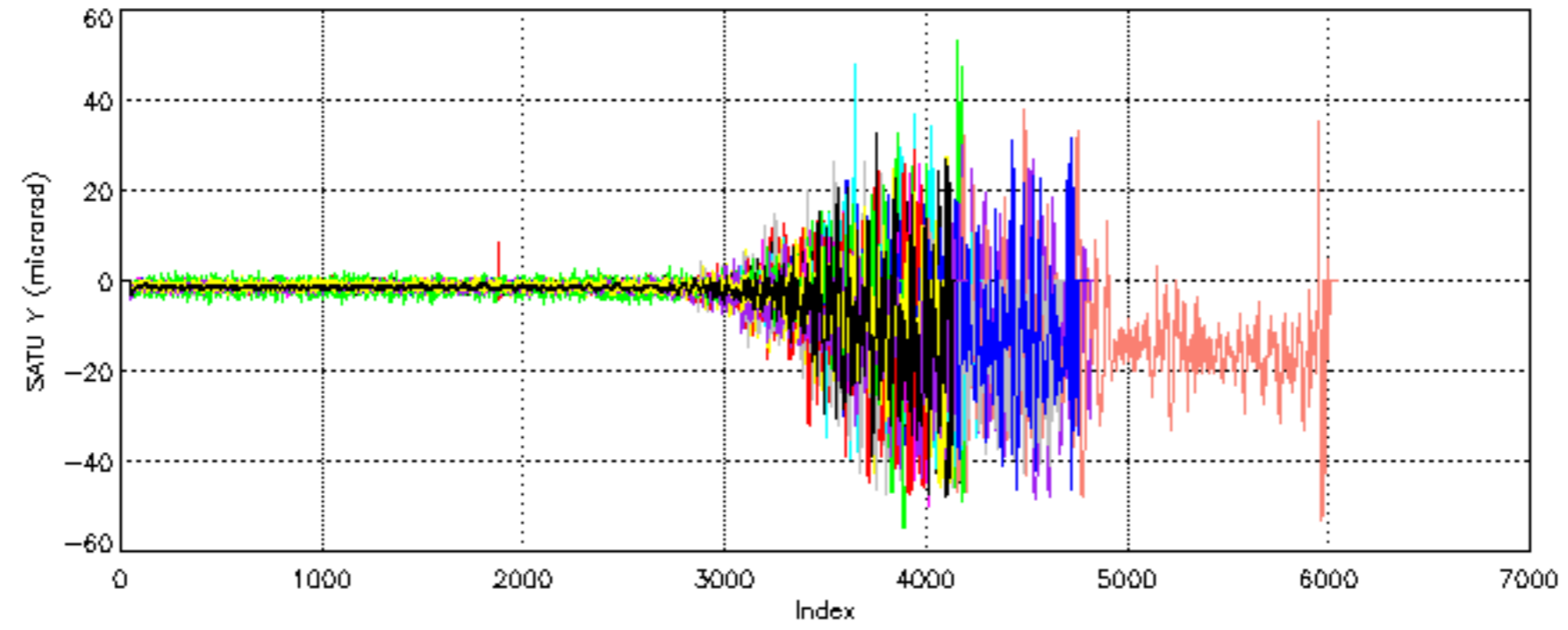


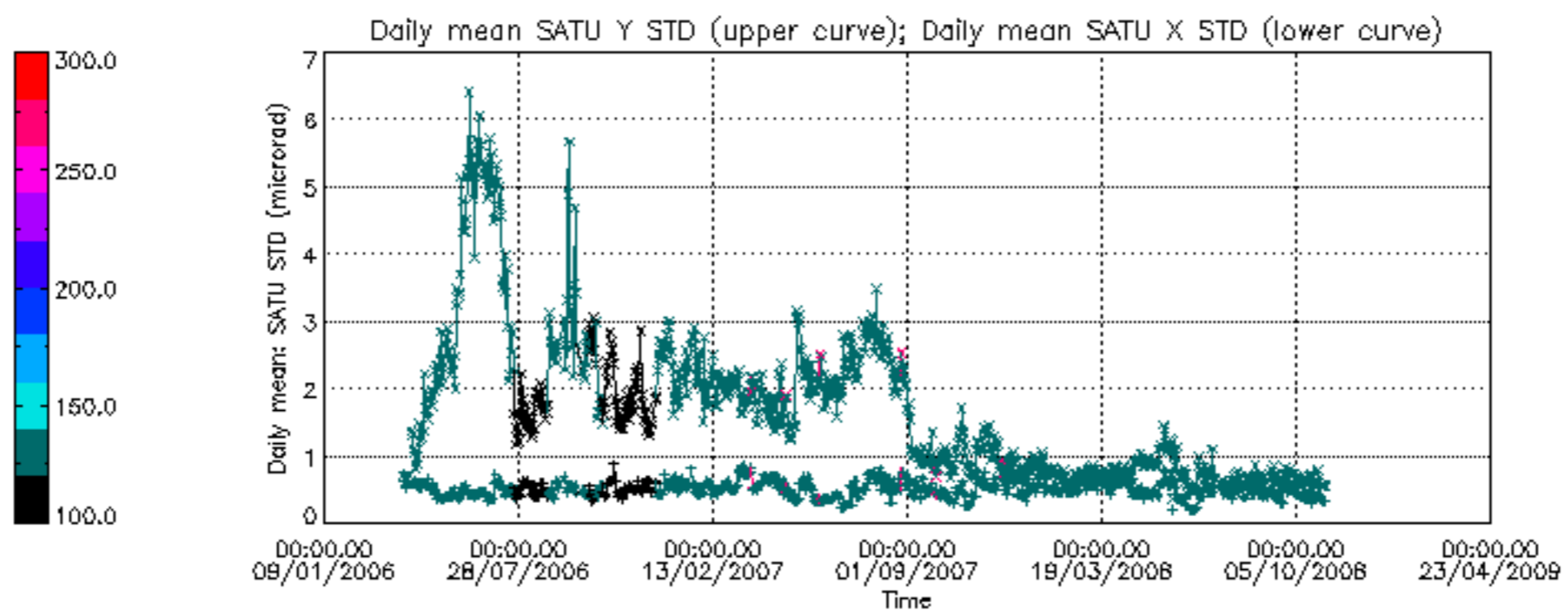


Tangent altitude at which the star is lost











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 3; 2514.1; 01-NOV-2008 21:03:39; Bright; 37.5; 53; 43Bet And ; 2.05; 3300;occ; 75; 0;34895
 4; 2656.8; 01-NOV-2008 21:06:02; Bright; 38.5; 73; 57Gam1And ; 2.26; 13100;occ; 77; 0;34895
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8; 145.7; 09-NOV-2008 02:46:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34999
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3; 2511.6; 09-NOV-2008 13:29:27; Bright; 36.0; 173; 4Bet Tri ; 3.00; 8900;occ; 72; 0;35005
4; 2635.3; 09-NOV-2008 13:31:31; Bright; 37.0; 73; 57Gam1And ; 2.26; 13100;occ; 74; 0;35005
5; 2876.4; 09-NOV-2008 13:35:32; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;35005
6; 3422.8; 09-NOV-2008 13:44:39; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;35005
7; 3896.8; 09-NOV-2008 13:52:33; Bright; 40.0; 36; 50Alp UMa ; 1.80; 6300;occ; 80; 0;35005
8; 3994.8; 09-NOV-2008 13:54:11; Bright; 39.0; 82; 48Bet UMA ; 2.37; 10600;occ; 78; 0;35005
9; 4228.0; 09-NOV-2008 13:58:04; Bright; 41.5; 174; 52Psi UMA ; 3.00; 4400;occ; 83; 0;35005
10; 4319.1; 09-NOV-2008 13:59:35; Bright; 44.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 88; 0;35005
11; 4781.3; 09-NOV-2008 14:07:17; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;35005
12; 5381.7; 09-NOV-2008 14:17:18; Dark ; 42.0; 171; 2Eps Crv ; 3.00; 4250;occ; 84; 0;35005
13; 5924.0; 09-NOV-2008 14:26:20; Dark ; 41.0; 113; Mu Vel ; 2.69; 5000;occ; 82; 0;35005
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16; 6655.1; 09-NOV-2008 14:38:31; Dark ; 46.0; 2; Alp Car ; -0.74; 7000;occ; 92; 0;35005
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3; 2511.5; 09-NOV-2008 15:10:03; Bright; 36.5; 173; 4Bet Tri ; 3.00; 8900;occ; 73; 0;35006
4; 2635.3; 09-NOV-2008 15:12:07; Bright; 36.5; 73; 57Gam1And ; 2.26; 13100;occ; 73; 0;35006
5; 2876.5; 09-NOV-2008 15:16:08; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;35006
6; 3422.9; 09-NOV-2008 15:25:15; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;35006
7; 3896.8; 09-NOV-2008 15:33:09; Bright; 39.5; 36; 50Alp UMa ; 1.80; 6300;occ; 79; 0;35006
8; 3994.7; 09-NOV-2008 15:34:47; Bright; 39.5; 82; 48Bet UMA ; 2.37; 10600;occ; 79; 0;35006
9; 4228.0; 09-NOV-2008 15:38:40; Bright; 39.5; 174; 52Psi UMA ; 3.00; 4400;occ; 79; 0;35006
10; 4319.5; 09-NOV-2008 15:40:11; Bright; 33.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 66; 0;35006
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12; 5382.1; 09-NOV-2008 15:57:54; Dark ; 43.5; 171; 2Eps Crv ; 3.00; 4250;occ; 87; 0;35006
13; 5924.6; 09-NOV-2008 16:06:56; Dark ; 39.0; 113; Mu Vel ; 2.69; 5000;occ; 78; 0;35006
14; 6188.2; 09-NOV-2008 16:11:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35006
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4; 2511.3; 09-NOV-2008 16:50:39; Bright; 36.0; 173; 4Bet Tri ; 3.00; 8900;occ; 72; 0;35007
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6; 2876.5; 09-NOV-2008 16:56:44; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;35007
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9; 3994.5; 09-NOV-2008 17:15:22; Bright; 41.0; 82; 48Bet UMA ; 2.37; 10600;occ; 82; 0;35007
10; 4227.9; 09-NOV-2008 17:19:16; Bright; 42.5; 174; 52Psi UMA ; 3.00; 4400;occ; 85; 0;35007

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 5; 2634.9; 09-NOV-2008 18:33:19; Bright; 36.5; 73; 57Gam1And ; 2.26; 13100;occ; 73; 0;35008
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 3; 156.3; 10-NOV-2008 00:34:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35012
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 8; 2262.2; 10-NOV-2008 01:09:30; Bright; 36.5; 105; 6Bet Ari ; 2.64; 8900;occ; 73; 0;35012
 9; 2510.4; 10-NOV-2008 01:13:38; Bright; 36.0; 173; 4Bet Tri ; 3.00; 8900;occ; 72; 0;35012
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 3; 157.1; 10-NOV-2008 02:15:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35013
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 6; 1181.7; 10-NOV-2008 02:32:05; Dark ; 40.0; 157; The1Eri ; 2.91; 9300;occ; 80; 0;35013
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 8; 2262.2; 10-NOV-2008 02:50:05; Bright; 37.5; 105; 6Bet Ari ; 2.64; 8900;occ; 75; 0;35013
 9; 2510.4; 10-NOV-2008 02:54:14; Bright; 37.0; 173; 4Bet Tri ; 3.00; 8900;occ; 74; 0;35013
10; 2634.2; 10-NOV-2008 02:56:17; Bright; 37.0; 73; 57Gam1And ; 2.26; 13100;occ; 74; 0;35013
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12; 3422.7; 10-NOV-2008 03:09:26; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;35013
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8; 1981.0; 10-NOV-2008 22:52:35; Dark ; 50.5; 94; 92Alp Cet ; 2.53; 3100;occ; 101; 0;35025
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11; 2632.9; 10-NOV-2008 23:03:27; Bright; 38.0; 73; 57Gam1And ; 2.26; 13100;occ; 76; 0;35025
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13; 2941.6; 10-NOV-2008 23:08:36; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;35025
14; 3422.7; 10-NOV-2008 23:16:37; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;35025
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 18; 4226.9; 11-NOV-2008 01:10:37; Bright; 41.5; 174; 52Psi UMa ; 3.00; 4400;occ; 83; 0;35026  
 19; 4321.8; 11-NOV-2008 01:12:12; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;35026  
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 9; 159.5; 10-NOV-2008 07:16:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35016  
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 11; 626.3; 10-NOV-2008 07:24:37; Dark ; 50.5; 2; Alp Car ;-0.74; 7000;occ; 101; 0;35016  
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 5; 2877.9; 10-NOV-2008 08:02:09; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;35016  
 6; 3422.8; 10-NOV-2008 08:11:14; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;35016  
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 8; 3895.1; 10-NOV-2008 08:19:06; Bright; 40.0; 36; 50Alp UMa ; 1.80; 6300;occ; 80; 0;35016  
 9; 3993.1; 10-NOV-2008 08:20:44; Bright; 40.5; 82; 48Bet UMa ; 2.37; 10600;occ; 81; 0;35016  
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 13; 5385.9; 10-NOV-2008 08:43:57; Dark ; 42.0; 171; 2Eps Crv ; 3.00; 4250;occ; 84; 0;35016  
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 4; 2633.9; 10-NOV-2008 09:38:41; Bright; 36.5; 73; 57Gam1And ; 2.26; 13100;occ; 73; 0;35017  
 5; 2877.9; 10-NOV-2008 09:42:45; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;35017  
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 8; 3894.9; 10-NOV-2008 09:59:42; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;35017  
 9; 3993.0; 10-NOV-2008 10:01:20; Bright; 38.0; 82; 48Bet UMa ; 2.37; 10600;occ; 76; 0;35017  
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 12; 4785.2; 10-NOV-2008 10:14:32; Bright; 40.0; 62; 94Bet Leo ; 2.14; 9700;occ; 80; 0;35017  
 13; 5386.2; 10-NOV-2008 10:24:33; Dark ; 42.0; 171; 2Eps Crv ; 3.00; 4250;occ; 84; 0;35017  
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 5; 2633.3; 10-NOV-2008 18:01:40; Bright; 37.0; 73; 57Gam1And ; 2.26; 13100;occ; 74; 0;35022  
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 13; 4321.4; 10-NOV-2008 18:29:48; Bright; 52.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 104; 0;35022  
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 6; 634.1; 11-NOV-2008 01:51:20; Dark ; 51.0; 2; Alp Car ; -0.74; 7000;occ; 102; 0;35027  
 7; 1185.3; 11-NOV-2008 02:00:32; Dark ; 39.0; 157; The1Eri ; 2.91; 9300;occ; 78; 0;35027  
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 13; 2930.0; 11-NOV-2008 02:29:36; Bright; 34.5; 110; 37Del Cas ; 2.68; 8900;occ; 69; 0;35027  
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4; -1714.1; 11-NOV-2008 02:52:48; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;35027
5; -1247.4; 11-NOV-2008 03:00:35; Bright; 39.0; 62; 94Bet Leo ; 2.14; 9700;occ; 78; 0;35027
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7; -645.9; 11-NOV-2008 03:10:36; Dark ; 42.0; 171; 2Eps Crv ; 3.00; 4250;occ; 84; 0;35027
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15; 2509.0; 11-NOV-2008 04:03:11; Bright; 35.5; 173; 4Bet Tri ; 3.00; 8900;occ; 71; 0;35028
16; 2632.7; 11-NOV-2008 04:05:15; Bright; 37.0; 73; 57Gam1And ; 2.26; 13100;occ; 74; 0;35028
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18; 2930.1; 11-NOV-2008 04:10:12; Bright; 34.5; 110; 37Del Cas ; 2.68; 8900;occ; 69; 0;35028
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4; -1809.0; 11-NOV-2008 04:31:49; Bright; 39.5; 174; 52Psi UMA ; 3.00; 4400;occ; 79; 0;35028
5; -1713.8; 11-NOV-2008 04:33:24; Bright; 33.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 67; 0;35028
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11; 262.0; 11-NOV-2008 05:06:20; Dark ; 37.5; 29; Bet Car ; 1.67; 10200;occ; 75; 0;35029
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5; 2631.7; 11-NOV-2008 20:51:13; Bright; 37.5; 73; 57Gam1And ; 2.26; 13100;occ; 75; 0;35038
6; 2836.3; 11-NOV-2008 20:54:38; Bright; 38.0; 35; 33Alp Per ; 1.79; 6250;occ; 76; 0;35038
7; 2930.0; 11-NOV-2008 20:56:12; Bright; 35.0; 110; 37Del Cas ; 2.68; 8900;occ; 70; 0;35038
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9; 3677.8; 11-NOV-2008 21:08:39; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;35038
10; 3891.3; 11-NOV-2008 21:12:13; Bright; 39.5; 36; 50Alp UMA ; 1.80; 6300;occ; 79; 0;35038
11; 3989.5; 11-NOV-2008 21:13:51; Bright; 39.5; 82; 48Bet UMA ; 2.37; 10600;occ; 79; 0;35038
12; 4323.6; 11-NOV-2008 21:19:25; Bright; 33.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 67; 0;35038
13; 4792.2; 11-NOV-2008 21:27:14; Bright; 40.0; 62; 94Bet Leo ; 2.14; 9700;occ; 80; 0;35038
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7; 1188.5; 11-NOV-2008 22:07:46; Dark ; 40.0; 157; The1Eri ; 2.91; 9300;occ; 80; 0;35039
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9; 2262.3; 11-NOV-2008 22:25:40; Bright; 36.0; 105; 6Bet Ari ; 2.64; 8900;occ; 72; 0;35039

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17; 3989.3; 12-NOV-2008 00:35:03; Bright; 39.0; 82; 48Bet UMA ; 2.37; 10600;occ; 78; 0;35040
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19; 4792.8; 12-NOV-2008 00:48:26; Bright; 59.0; 62; 94Bet Leo ; 2.14; 9700;occ; 118; 0;35040
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 5; 2821.3; 14-NOV-2008 10:56:32; Bright; 40.0; 35; 33Alp Per ; 1.79; 6250;occ; 80; 0;35075  
 6; 2930.8; 14-NOV-2008 10:58:21; Bright; 35.5; 110; 37Del Cas ; 2.68; 8900;occ; 71; 0;35075  
 7; 3422.6; 14-NOV-2008 11:06:33; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;35075  
 8; 3682.4; 14-NOV-2008 11:10:53; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;35075  
 9; 3884.5; 14-NOV-2008 11:14:15; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;35075  
 10; 3982.9; 14-NOV-2008 11:15:53; Bright; 39.0; 82; 48Bet UMa ; 2.37; 10600;occ; 78; 0;35075  
 11; 4118.6; 14-NOV-2008 11:18:09; Bright; 34.0; 39; 85Eta UMa ; 1.85; 24000;occ; 68; 0;35075  
 12; 4327.7; 14-NOV-2008 11:21:38; Bright; 35.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 70; 0;35075  
 13; 4805.2; 14-NOV-2008 11:29:36; Bright; 44.5; 62; 94Bet Leo ; 2.14; 9700;occ; 89; 0;35075  
 14; 5018.9; 14-NOV-2008 11:33:10; Bright; 33.5; 121; 29Gam Vir ; 2.74; 7200;occ; 67; 0;35075  
 15; 5319.6; 14-NOV-2008 11:38:10; Dark ; 39.5; 100; 4Gam Crv ; 2.58; 13100;occ; 79; 0;35075  
 16; 5410.4; 14-NOV-2008 11:39:41; Dark ; 41.5; 171; 2Eps Crv ; 3.00; 4250;occ; 83; 0;35075  
 17; 5963.2; 14-NOV-2008 11:48:54; Dark ; 40.5; 113; Mu Vel ; 2.69; 5000;occ; 81; 0;35075  
 18; 6143.7; 14-NOV-2008 11:51:54; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;35075  
 19; 6245.0; 14-NOV-2008 11:53:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35075  
 20; 6422.4; 14-NOV-2008 11:56:33; Dark ; 35.0; 34; Gam2Vel ; 1.79; 23000;occ; 70; 0;35075  
 21; 6703.7; 14-NOV-2008 12:01:14; Dark ; 50.5; 2; Alp Car ; -0.74; 7000;occ; 101; 0;35075  
 22; 7233.5; 14-NOV-2008 12:10:04; Dark ; 37.5; 157; The1Eri ; 2.91; 9300;occ; 75; 0;35075

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1; 1976.3; 14-NOV-2008 12:23:03; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;35076  
 2; 2263.8; 14-NOV-2008 12:27:50; Bright; 37.0; 105; 6Bet Ari ; 2.64; 8900;occ; 74; 0;35076  
 3; 2504.9; 14-NOV-2008 12:31:51; Bright; 34.5; 173; 4Bet Tri ; 3.00; 8900;occ; 69; 0;35076  
 4; 2628.9; 14-NOV-2008 12:33:55; Bright; 37.5; 73; 57Gam1And ; 2.26; 13100;occ; 75; 0;35076  
 5; 2820.8; 14-NOV-2008 12:37:07; Bright; 41.0; 35; 33Alp Per ; 1.79; 6250;occ; 82; 0;35076  
 6; 2930.8; 14-NOV-2008 12:38:57; Bright; 35.0; 110; 37Del Cas ; 2.68; 8900;occ; 70; 0;35076  
 7; 3422.5; 14-NOV-2008 12:47:09; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;35076  
 8; 3682.6; 14-NOV-2008 12:51:29; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;35076  
 9; 3884.3; 14-NOV-2008 12:54:51; Bright; 41.5; 36; 50Alp UMa ; 1.80; 6300;occ; 83; 0;35076  
 10; 3982.7; 14-NOV-2008 12:56:29; Bright; 40.0; 82; 48Bet UMa ; 2.37; 10600;occ; 80; 0;35076  
 11; 4118.8; 14-NOV-2008 12:58:45; Bright; 35.0; 39; 85Eta UMa ; 1.85; 24000;occ; 70; 0;35076  
 12; 4327.9; 14-NOV-2008 13:02:14; Bright; 34.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 68; 0;35076  
 13; 4805.6; 14-NOV-2008 13:10:12; Bright; 39.5; 62; 94Bet Leo ; 2.14; 9700;occ; 79; 0;35076  
 14; 5019.3; 14-NOV-2008 13:13:46; Bright; 35.0; 121; 29Gam Vir ; 2.74; 7200;occ; 70; 0;35076  
 15; 5320.1; 14-NOV-2008 13:18:47; Dark ; 41.0; 100; 4Gam Crv ; 2.58; 13100;occ; 82; 0;35076  
 16; 5411.0; 14-NOV-2008 13:20:17; Dark ; 41.5; 171; 2Eps Crv ; 3.00; 4250;occ; 83; 0;35076  
 17; 5963.8; 14-NOV-2008 13:29:30; Dark ; 39.5; 113; Mu Vel ; 2.69; 5000;occ; 79; 0;35076  
 18; 6144.2; 14-NOV-2008 13:32:31; Dark ; 37.0; 124; The Car ; 2.76; 30000;occ; 74; 0;35076  
 19; 6245.9; 14-NOV-2008 13:34:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35076  
 20; 6423.4; 14-NOV-2008 13:37:10; Dark ; 35.0; 34; Gam2Vel ; 1.79; 23000;occ; 70; 0;35076  
 21; 6704.4; 14-NOV-2008 13:41:51; Dark ; 52.5; 2; Alp Car ; -0.74; 7000;occ; 105; 0;35076  
 22; 7233.8; 14-NOV-2008 13:50:40; Dark ; 37.5; 157; The1Eri ; 2.91; 9300;occ; 75; 0;35076

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1; 1976.3; 14-NOV-2008 14:03:39; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;35077  
 2; 2263.7; 14-NOV-2008 14:08:26; Bright; 36.5; 105; 6Bet Ari ; 2.64; 8900;occ; 73; 0;35077  
 3; 2504.8; 14-NOV-2008 14:12:27; Bright; 34.0; 173; 4Bet Tri ; 3.00; 8900;occ; 68; 0;35077  
 4; 2628.9; 14-NOV-2008 14:14:31; Bright; 36.5; 73; 57Gam1And ; 2.26; 13100;occ; 73; 0;35077  
 5; 2820.6; 14-NOV-2008 14:17:43; Bright; 40.0; 35; 33Alp Per ; 1.79; 6250;occ; 80; 0;35077  
 6; 2930.9; 14-NOV-2008 14:19:33; Bright; 35.0; 110; 37Del Cas ; 2.68; 8900;occ; 70; 0;35077  
 7; 3422.7; 14-NOV-2008 14:27:45; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;35077  
 8; 3682.8; 14-NOV-2008 14:32:05; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;35077  
 9; 3884.3; 14-NOV-2008 14:35:27; Bright; 58.0; 36; 50Alp UMa ; 1.80; 6300;occ; 116; 0;35077  
 10; 3982.6; 14-NOV-2008 14:37:05; Bright; 39.0; 82; 48Bet UMa ; 2.37; 10600;occ; 78; 0;35077  
 11; 4119.0; 14-NOV-2008 14:39:21; Bright; 34.0; 39; 85Eta UMa ; 1.85; 24000;occ; 68; 0;35077  
 12; 4328.0; 14-NOV-2008 14:42:50; Bright; 35.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 70; 0;35077  
 13; 4806.0; 14-NOV-2008 14:50:48; Bright; 42.0; 62; 94Bet Leo ; 2.14; 9700;occ; 84; 0;35077  
 14; 5019.7; 14-NOV-2008 14:54:22; Bright; 42.5; 121; 29Gam Vir ; 2.74; 7200;occ; 85; 0;35077  
 15; 5320.6; 14-NOV-2008 14:59:23; Dark ; 38.5; 100; 4Gam Crv ; 2.58; 13100;occ; 77; 0;35077  
 16; 5411.5; 14-NOV-2008 15:00:54; Dark ; 40.5; 171; 2Eps Crv ; 3.00; 4250;occ; 81; 0;35077  
 17; 5964.5; 14-NOV-2008 15:10:07; Dark ; 41.5; 113; Mu Vel ; 2.69; 5000;occ; 83; 0;35077  
 18; 6144.6; 14-NOV-2008 15:13:07; Dark ; 36.5; 124; The Car ; 2.76; 30000;occ; 73; 0;35077  
 19; 6246.8; 14-NOV-2008 15:14:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35077  
 20; 6424.4; 14-NOV-2008 15:17:47; Dark ; 34.0; 34; Gam2Vel ; 1.79; 23000;occ; 68; 0;35077  
 21; 6705.2; 14-NOV-2008 15:22:27; Dark ; 47.5; 2; Alp Car ; -0.74; 7000;occ; 95; 0;35077  
 22; 7234.1; 14-NOV-2008 15:31:16; Dark ; 36.5; 157; The1Eri ; 2.91; 9300;occ; 73; 0;35077

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1; 1976.3; 14-NOV-2008 15:44:15; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;35078  
 2; 2263.8; 14-NOV-2008 15:49:02; Bright; 37.0; 105; 6Bet Ari ; 2.64; 8900;occ; 74; 0;35078  
 3; 2504.7; 14-NOV-2008 15:53:03; Bright; 36.5; 173; 4Bet Tri ; 3.00; 8900;occ; 73; 0;35078  
 4; 2628.8; 14-NOV-2008 15:55:07; Bright; 37.0; 73; 57Gam1And ; 2.26; 13100;occ; 74; 0;35078  
 5; 2820.1; 14-NOV-2008 15:58:18; Bright; 40.5; 35; 33Alp Per ; 1.79; 6250;occ; 81; 0;35078  
 6; 2931.0; 14-NOV-2008 16:00:09; Bright; 35.5; 110; 37Del Cas ; 2.68; 8900;occ; 71; 0;35078  
 7; 3422.6; 14-NOV-2008 16:08:21; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;35078  
 8; 3682.8; 14-NOV-2008 16:12:41; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;35078  
 9; 3884.1; 14-NOV-2008 16:16:02; Bright; 43.0; 36; 50Alp UMa ; 1.80; 6300;occ; 86; 0;35078  
 10; 3982.4; 14-NOV-2008 16:17:41; Bright; 43.0; 82; 48Bet UMa ; 2.37; 10600;occ; 86; 0;35078  
 11; 4119.2; 14-NOV-2008 16:19:57; Bright; 34.5; 39; 85Eta UMa ; 1.85; 24000;occ; 69; 0;35078  
 12; 4328.0; 14-NOV-2008 16:23:26; Bright; 38.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 76; 0;35078  
 13; 4806.3; 14-NOV-2008 16:31:25; Bright; 40.5; 62; 94Bet Leo ; 2.14; 9700;occ; 81; 0;35078  
 14; 5019.9; 14-NOV-2008 16:34:58; Bright; 53.0; 121; 29Gam Vir ; 2.74; 7200;occ; 106; 0;35078  
 15; 5321.0; 14-NOV-2008 16:39:59; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;35078  
 16; 5411.9; 14-NOV-2008 16:41:30; Dark ; 40.5; 171; 2Eps Crv ; 3.00; 4250;occ; 81; 0;35078  
 17; 5965.1; 14-NOV-2008 16:50:43; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;35078

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1; 422.2; 14-NOV-2008 18:39:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35080  
 2; 600.3; 14-NOV-2008 18:42:31; Dark ; 101.5; 132; 15Rho Pup ; 2.80; 6900;occ; 203; 0;35080  
 3; 788.8; 14-NOV-2008 18:45:39; Dark ; 81.0; 88; 31Eta CMa ; 2.45; 20000;occ; 162; 0;35080  
 4; 927.0; 14-NOV-2008 18:47:57; Dark ; 80.5; 23; 21Eps CMa ; 1.50; 26000;occ; 161; 0;35080

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1; 951.0; 14-NOV-2008 18:48:21; Dark ; 81.0; 23; 21Eps CMa ; 1.50; 26000;occ; 162; 48;35080  
 2; 1073.1; 14-NOV-2008 18:50:23; Dark ; 56.0; 108; Alp Col ; 2.65; 15200;occ; 112; 0;35080  
 3; 1450.1; 14-NOV-2008 18:56:40; Dark ; 26.0; 47; 2Bet CMa ; 1.98; 28000;occ; 52; 0;35080  
 4; 1500.1; 14-NOV-2008 18:57:30; Dark ; 74.0; 101; 11Alp Lep ; 2.58; 7000;occ; 148; 0;35080  
 5; 1798.4; 14-NOV-2008 19:02:29; Dark ; 85.0; 7; 19Bet Ori ; 0.10; 14000;occ; 170; 0;35080  
 6; 1926.8; 14-NOV-2008 19:04:37; Dark ; 35.0; 125; 44Iot Ori ; 2.77; 30000;occ; 70; 0;35080  
 7; 2369.3; 14-NOV-2008 19:12:00; Bright; 64.0; 13; 87Alp Tau ; 0.87; 3800;occ; 128; 0;35080  
 8; 2562.3; 14-NOV-2008 19:15:13; Bright; 44.0; 150; 44Zet Per ; 2.89; 28000;occ; 88; 0;35080  
 9; 2788.3; 14-NOV-2008 19:18:59; Bright; 58.0; 114; 3Iot Aur ; 2.69; 4600;occ; 116; 0;35080  
 10; 3044.8; 14-NOV-2008 19:23:15; Bright; 57.0; 6; 13Alp Aur ; 0.08; 3400;occ; 114; 0;35080  
 11; 3229.8; 14-NOV-2008 19:26:20; Bright; 64.0; 42; 34Bet Aur ; 1.90; 10200;occ; 128; 0;35080  
 12; 4835.7; 14-NOV-2008 19:53:06; Bright; 88.0; 166; 17Eps Leo ; 2.98; 6000;occ; 176; 0;35080  
 13; 5122.3; 14-NOV-2008 19:57:53; Dark ; 83.0; 22; 32Alp Leo ; 1.36; 15200;occ; 166; 0;35080  
 14; 5905.1; 14-NOV-2008 20:10:55; Dark ; 111.0; 48; 30Alp Hya ; 1.98; 4100;occ; 222; 0;35080  
 15; 6460.1; 14-NOV-2008 20:20:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35080  
 16; 6638.4; 14-NOV-2008 20:23:09; Dark ; 98.5; 132; 15Rho Pup ; 2.80; 6900;occ; 197; 0;35080  
 17; 6826.2; 14-NOV-2008 20:26:16; Dark ; 79.0; 88; 31Eta CMa ; 2.45; 20000;occ; 158; 0;35080  
 18; 6964.1; 14-NOV-2008 20:28:34; Dark ; 82.0; 23; 21Eps CMa ; 1.50; 26000;occ; 164; 0;35080  
 19; 7109.8; 14-NOV-2008 20:31:00; Dark ; 22.0; 108; Alp Col ; 2.65; 15200;occ; 44; 0;35080

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1; -121.9; 15-NOV-2008 01:12:52; Dark ; 108.0; 48; 30Alp Hya ; 1.98; 4100;occ; 216; 0;35083  
 2; 430.2; 15-NOV-2008 01:22:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35084  
 3; 689.2; 15-NOV-2008 01:26:23; Dark ; 65.5; 117; Pi Pup ; 2.71; 3800;occ; 131; 0;35084  
 4; 794.8; 15-NOV-2008 01:28:09; Dark ; 80.0; 88; 31Eta CMa ; 2.45; 20000;occ; 160; 0;35084  
 5; 932.1; 15-NOV-2008 01:30:26; Dark ; 76.5; 23; 21Eps CMa ; 1.50; 26000;occ; 153; 0;35084  
 6; 1075.9; 15-NOV-2008 01:32:50; Dark ; 53.0; 108; Alp Col ; 2.65; 15200;occ; 106; 0;35084  
 7; 1451.5; 15-NOV-2008 01:39:05; Dark ; 34.0; 47; 2Bet CMa ; 1.98; 28000;occ; 68; 0;35084  
 8; 1796.7; 15-NOV-2008 01:44:51; Dark ; 86.0; 7; 19Bet Ori ; 0.10; 14000;occ; 172; 0;35084  
 9; 1922.8; 15-NOV-2008 01:46:57; Dark ; 48.0; 125; 44Iot Ori ; 2.77; 30000;occ; 96; 0;35084  
 10; 2365.6; 15-NOV-2008 01:54:19; Bright; 63.0; 13; 87Alp Tau ; 0.87; 3800;occ; 126; 0;35084  
 11; 2559.9; 15-NOV-2008 01:57:34; Bright; 44.5; 150; 44Zet Per ; 2.89; 28000;occ; 89; 0;35084  
 12; 2783.4; 15-NOV-2008 02:01:17; Bright; 59.5; 114; 3Iot Aur ; 2.69; 4600;occ; 119; 0;35084  
 13; 3040.3; 15-NOV-2008 02:05:34; Bright; 55.5; 6; 13Alp Aur ; 0.08; 3400;occ; 111; 0;35084  
 14; 3224.4; 15-NOV-2008 02:08:38; Bright; 57.5; 42; 34Bet Aur ; 1.90; 10200;occ; 115; 0;35084

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1; -1196.3; 15-NOV-2008 02:35:33; Bright; 88.5; 166; 17Eps Leo ; 2.98; 6000;occ; 177; 0;35084  
 2; -908.1; 15-NOV-2008 02:40:22; Dark ; 87.5; 22; 32Alp Leo ; 1.36; 15200;occ; 175; 0;35084  
 3; -118.9; 15-NOV-2008 02:53:31; Dark ; 116.5; 48; 30Alp Hya ; 1.98; 4100;occ; 233; 0;35084  
 4; 432.3; 15-NOV-2008 03:02:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35085  
 5; 690.5; 15-NOV-2008 03:07:00; Dark ; 63.0; 117; Pi Pup ; 2.71; 3800;occ; 126; 0;35085  
 6; 796.4; 15-NOV-2008 03:08:46; Dark ; 78.0; 88; 31Eta CMa ; 2.45; 20000;occ; 156; 0;35085  
 7; 933.4; 15-NOV-2008 03:11:03; Dark ; 82.0; 23; 21Eps CMa ; 1.50; 26000;occ; 164; 0;35085  
 8; 1076.3; 15-NOV-2008 03:13:26; Dark ; 51.0; 108; Alp Col ; 2.65; 15200;occ; 102; 0;35085  
 9; 1451.8; 15-NOV-2008 03:19:41; Dark ; 34.0; 47; 2Bet CMa ; 1.98; 28000;occ; 68; 0;35085



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10; 1796.5; 15-NOV-2008 03:25:26; Dark ; 88.5; 7; 19Bet Ori ; 0.10; 14000;occ; 177; 0;35085
11; 1921.9; 15-NOV-2008 03:27:32; Dark ; 48.0; 125; 44Iot Ori ; 2.77; 30000;occ; 96; 0;35085
12; 2364.7; 15-NOV-2008 03:34:54; Bright; 62.0; 13; 87Alp Tau ; 0.87; 3800;occ; 124; 0;35085
13; 2559.2; 15-NOV-2008 03:38:09; Bright; 44.0; 150; 44Zet Per ; 2.89; 28000;occ; 88; 0;35085
14; 2782.1; 15-NOV-2008 03:41:52; Bright; 59.0; 114; 3Iot Aur ; 2.69; 4600;occ; 118; 0;35085
15; 3039.3; 15-NOV-2008 03:46:09; Bright; 57.0; 6; 13Alp Aur ; 0.08; 3400;occ; 114; 0;35085
16; 3222.9; 15-NOV-2008 03:49:13; Bright; 61.0; 42; 34Bet Aur ; 1.90; 10200;occ; 122; 0;35085
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 2; -906.7; 15-NOV-2008 04:20:59; Dark ; 82.5; 22; 32Alp Leo ; 1.36; 15200;occ; 165; 0;35085
 3; -116.1; 15-NOV-2008 04:34:10; Dark ; 110.0; 48; 30Alp Hya ; 1.98; 4100;occ; 220; 0;35085
 4; 434.3; 15-NOV-2008 04:43:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35086
 5; 691.7; 15-NOV-2008 04:47:37; Dark ; 66.0; 117; Pi Pup ; 2.71; 3800;occ; 132; 0;35086
 6; 797.9; 15-NOV-2008 04:49:24; Dark ; 77.5; 88; 31Eta CMa ; 2.45; 20000;occ; 155; 0;35086
 7; 934.6; 15-NOV-2008 04:51:40; Dark ; 81.0; 23; 21Eps CMa ; 1.50; 26000;occ; 162; 0;35086
 8; 1077.0; 15-NOV-2008 04:54:03; Dark ; 52.5; 108; Alp Col ; 2.65; 15200;occ; 105; 0;35086
 9; 1452.1; 15-NOV-2008 05:00:18; Dark ; 38.0; 47; 2Bet CMa ; 1.98; 28000;occ; 76; 0;35086
10; 1795.9; 15-NOV-2008 05:06:02; Dark ; 87.0; 7; 19Bet Ori ; 0.10; 14000;occ; 174; 0;35086
11; 1921.1; 15-NOV-2008 05:08:07; Dark ; 54.0; 125; 44Iot Ori ; 2.77; 30000;occ; 108; 0;35086
12; 2363.7; 15-NOV-2008 05:15:29; Bright; 62.5; 13; 87Alp Tau ; 0.87; 3800;occ; 125; 0;35086
13; 2558.7; 15-NOV-2008 05:18:44; Bright; 43.0; 150; 44Zet Per ; 2.89; 28000;occ; 86; 0;35086
14; 2781.0; 15-NOV-2008 05:22:27; Bright; 58.5; 114; 3Iot Aur ; 2.69; 4600;occ; 117; 0;35086
15; 3038.3; 15-NOV-2008 05:26:44; Bright; 60.5; 6; 13Alp Aur ; 0.08; 3400;occ; 121; 0;35086
16; 3221.5; 15-NOV-2008 05:29:47; Bright; 62.0; 42; 34Bet Aur ; 1.90; 10200;occ; 124; 0;35086
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 2; -905.3; 15-NOV-2008 06:01:36; Dark ; 92.0; 22; 32Alp Leo ; 1.36; 15200;occ; 184; 0;35086
 3; -113.0; 15-NOV-2008 06:14:49; Dark ; 114.5; 48; 30Alp Hya ; 1.98; 4100;occ; 229; 0;35086
 4; 436.3; 15-NOV-2008 06:23:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35087
 5; 692.8; 15-NOV-2008 06:28:15; Dark ; 61.0; 117; Pi Pup ; 2.71; 3800;occ; 122; 0;35087
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13; 2558.0; 15-NOV-2008 06:59:20; Bright; 44.5; 150; 44Zet Per ; 2.89; 28000;occ; 89; 0;35087
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 9; 3028.8; 15-NOV-2008 20:31:58; Bright; 56.0; 6; 13Alp Aur ; 0.08; 3400;occ; 112; 0;35095
10; 3208.7; 15-NOV-2008 20:34:58; Bright; 64.5; 42; 34Bet Aur ; 1.90; 10200;occ; 129; 0;35095
11; 4742.0; 15-NOV-2008 21:00:31; Bright; 47.0; 96; 68Del Leo ; 2.56; 9300;occ; 94; 0;35095
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 5; 812.9; 15-NOV-2008 21:35:38; Dark ; 80.5; 88; 31Eta CMa ; 2.45; 20000;occ; 161; 0;35096
 6; 946.9; 15-NOV-2008 21:37:52; Dark ; 83.5; 23; 21Eps CMa ; 1.50; 26000;occ; 167; 0;35096
 7; 1083.4; 15-NOV-2008 21:40:08; Dark ; 52.5; 108; Alp Col ; 2.65; 15200;occ; 105; 0;35096
 8; 1455.4; 15-NOV-2008 21:46:20; Dark ; 58.0; 47; 2Bet CMa ; 1.98; 28000;occ; 116; 0;35096
 9; 1792.2; 15-NOV-2008 21:51:57; Dark ; 83.5; 7; 19Bet Ori ; 0.10; 14000;occ; 167; 0;35096
10; 1912.3; 15-NOV-2008 21:53:57; Dark ; 86.0; 125; 44Iot Ori ; 2.77; 30000;occ; 172; 0;35096
11; 2354.7; 15-NOV-2008 22:01:20; Bright; 62.0; 13; 87Alp Tau ; 0.87; 3800;occ; 124; 0;35096
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 3; 704.6; 15-NOV-2008 23:14:25; Dark ; 69.0; 117; Pi Pup ; 2.71; 3800;occ; 138; 0;35097
 4; 814.3; 15-NOV-2008 23:16:15; Dark ; 82.0; 88; 31Eta CMa ; 2.45; 20000;occ; 164; 0;35097
 5; 948.2; 15-NOV-2008 23:18:29; Dark ; 75.0; 23; 21Eps CMa ; 1.50; 26000;occ; 150; 0;35097
 6; 1083.8; 15-NOV-2008 23:20:45; Dark ; 54.0; 108; Alp Col ; 2.65; 15200;occ; 108; 0;35097
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15; 4852.8; 16-NOV-2008 00:23:34; Dark ; 104.0; 166; 17Eps Leo ; 2.98; 6000;occ; 208; 0;35097
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 4; 438.3; 15-NOV-2008 08:04:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35088
 5; 694.0; 15-NOV-2008 08:08:52; Dark ; 61.5; 117; Pi Pup ; 2.71; 3800;occ; 123; 0;35088
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 8; 1078.3; 15-NOV-2008 08:15:16; Dark ; 53.0; 108; Alp Col ; 2.65; 15200;occ; 106; 0;35088
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 3; 2361.9; 15-NOV-2008 08:36:40; Bright; 61.0; 13; 87Alp Tau ; 0.87; 3800;occ; 122; 0;35088
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 5; 2778.4; 15-NOV-2008 08:43:36; Bright; 60.5; 114; 3Iot Aur ; 2.69; 4600;occ; 121; 0;35088
 6; 3036.2; 15-NOV-2008 08:47:54; Bright; 56.0; 6; 13Alp Aur ; 0.08; 3400;occ; 112; 0;35088
 7; 3218.6; 15-NOV-2008 08:50:56; Bright; 60.0; 42; 34Bet Aur ; 1.90; 10200;occ; 120; 0;35088
 8; 4739.4; 15-NOV-2008 09:16:17; Bright; 45.0; 96; 68Del Leo ; 2.56; 9300;occ; 90; 0;35088
 9; 4843.6; 15-NOV-2008 09:18:01; Dark ; 93.0; 166; 17Eps Leo ; 2.98; 6000;occ; 186; 0;35088
10; 5133.4; 15-NOV-2008 09:22:51; Dark ; 86.5; 22; 32Alp Leo ; 1.36; 15200;occ; 173; 0;35088
11; 5928.9; 15-NOV-2008 09:36:06; Dark ; 110.5; 48; 30Alp Hya ; 1.98; 4100;occ; 221; 0;35088
12; 6476.2; 15-NOV-2008 09:45:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35088
13; 6731.0; 15-NOV-2008 09:49:29; Dark ; 63.0; 117; Pi Pup ; 2.71; 3800;occ; 126; 0;35088
14; 6838.4; 15-NOV-2008 09:51:16; Dark ; 79.0; 88; 31Eta CMa ; 2.45; 20000;occ; 158; 0;35088
15; 6974.3; 15-NOV-2008 09:53:32; Dark ; 80.5; 23; 21Eps CMa ; 1.50; 26000;occ; 161; 0;35088
16; 7115.0; 15-NOV-2008 09:55:53; Dark ; 50.5; 108; Alp Col ; 2.65; 15200;occ; 101; 0;35088
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 3; 2361.0; 15-NOV-2008 10:17:14; Bright; 61.5; 13; 87Alp Tau ; 0.87; 3800;occ; 123; 0;35089
 4; 2558.6; 15-NOV-2008 10:20:32; Bright; 42.0; 150; 44Zet Per ; 2.89; 28000;occ; 84; 0;35089
 5; 2777.3; 15-NOV-2008 10:24:11; Bright; 58.5; 114; 3Iot Aur ; 2.69; 4600;occ; 117; 0;35089
 6; 3035.1; 15-NOV-2008 10:28:29; Bright; 56.5; 6; 13Alp Aur ; 0.08; 3400;occ; 113; 0;35089
 7; 3217.1; 15-NOV-2008 10:31:31; Bright; 60.0; 42; 34Bet Aur ; 1.90; 10200;occ; 120; 0;35089
 8; 4739.7; 15-NOV-2008 10:56:53; Bright; 53.0; 96; 68Del Leo ; 2.56; 9300;occ; 106; 0;35089
 9; 4844.6; 15-NOV-2008 10:58:38; Dark ; 94.5; 166; 17Eps Leo ; 2.98; 6000;occ; 189; 0;35089
10; 5134.8; 15-NOV-2008 11:03:28; Dark ; 87.5; 22; 32Alp Leo ; 1.36; 15200;occ; 175; 0;35089
11; 5932.0; 15-NOV-2008 11:16:45; Dark ; 115.0; 48; 30Alp Hya ; 1.98; 4100;occ; 230; 0;35089
12; 6478.2; 15-NOV-2008 11:25:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35089
13; 6732.2; 15-NOV-2008 11:30:06; Dark ; 60.5; 117; Pi Pup ; 2.71; 3800;occ; 121; 0;35089
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15; 6975.6; 15-NOV-2008 11:34:09; Dark ; 78.5; 23; 21Eps CMa ; 1.50; 26000;occ; 157; 0;35089
16; 7115.6; 15-NOV-2008 11:36:29; Dark ; 51.0; 108; Alp Col ; 2.65; 15200;occ; 102; 0;35089
17; 7489.5; 15-NOV-2008 11:42:43; Dark ; 45.5; 47; 2Bet CMa ; 1.98; 28000;occ; 91; 0;35089
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 4; 2360.1; 15-NOV-2008 11:57:49; Bright; 60.5; 13; 87Alp Tau ; 0.87; 3800;occ; 121; 0;35090  
 5; 2776.0; 15-NOV-2008 12:04:45; Bright; 58.5; 114; 3Iot Aur ; 2.69; 4600;occ; 117; 0;35090  
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 8; 4845.5; 15-NOV-2008 12:39:15; Dark ; 100.0; 166; 17Eps Leo ; 2.98; 6000;occ; 200; 0;35090  
 9; 5136.3; 15-NOV-2008 12:44:06; Dark ; 89.5; 22; 32Alp Leo ; 1.36; 15200;occ; 179; 0;35090  
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 12; 6733.3; 15-NOV-2008 13:10:43; Dark ; 65.5; 117; Pi Pup ; 2.71; 3800;occ; 131; 0;35090  
 13; 6841.5; 15-NOV-2008 13:12:31; Dark ; 78.0; 88; 31Eta CMA ; 2.45; 20000;occ; 156; 0;35090  
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 15; 7116.1; 15-NOV-2008 13:17:05; Dark ; 52.0; 108; Alp Col ; 2.65; 15200;occ; 104; 0;35090  
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 3; 1916.7; 15-NOV-2008 13:31:02; Dark ; 67.0; 125; 44Iot Ori ; 2.77; 30000;occ; 134; 0;35091  
 4; 2359.2; 15-NOV-2008 13:38:24; Bright; 61.5; 13; 87Alp Tau ; 0.87; 3800;occ; 123; 0;35091  
 5; 2774.9; 15-NOV-2008 13:45:20; Bright; 58.5; 114; 3Iot Aur ; 2.69; 4600;occ; 117; 0;35091  
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 9; 4846.6; 15-NOV-2008 14:19:52; Dark ; 98.5; 166; 17Eps Leo ; 2.98; 6000;occ; 197; 0;35091  
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 13; 6734.7; 15-NOV-2008 14:51:20; Dark ; 77.0; 117; Pi Pup ; 2.71; 3800;occ; 154; 0;35091  
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 7; 3213.2; 15-NOV-2008 15:33:14; Bright; 62.0; 42; 34Bet Aur ; 1.90; 10200;occ; 124; 0;35092  
 8; 4740.9; 15-NOV-2008 15:58:42; Bright; 45.5; 96; 68Del Leo ; 2.56; 9300;occ; 91; 0;35092  
 9; 4847.8; 15-NOV-2008 16:00:29; Dark ; 96.5; 166; 17Eps Leo ; 2.98; 6000;occ; 193; 0;35092  
 10; 5139.2; 15-NOV-2008 16:05:20; Dark ; 93.0; 22; 32Alp Leo ; 1.36; 15200;occ; 186; 0;35092  
 11; 5941.5; 15-NOV-2008 16:18:43; Dark ; 119.5; 48; 30Alp Hya ; 1.98; 4100;occ; 239; 0;35092  
 12; 6484.4; 15-NOV-2008 16:27:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35092  
 13; 6736.0; 15-NOV-2008 16:31:57; Dark ; 65.0; 117; Pi Pup ; 2.71; 3800;occ; 130; 0;35092  
 14; 6844.6; 15-NOV-2008 16:33:46; Dark ; 75.0; 88; 31Eta CMA ; 2.45; 20000;occ; 150; 0;35092  
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9; 1086.0; 16-NOV-2008 04:22:35; Dark ; 52.0; 108; Alp Col ; 2.65; 15200;occ; 104; 0;35100
10; 1456.7; 16-NOV-2008 04:28:45; Dark ; 66.0; 47; 2Bet CMA ; 1.98; 28000;occ; 132; 0;35100
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7; 4215.5; 20-NOV-2008 09:50:40; Bright; 46.0; 174; 52Psi UMa ; 3.00; 4400;occ; 92; 0;35160
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4; 123.8; 25-NOV-2008 04:23:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35229
5; 624.0; 25-NOV-2008 04:32:08; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;35229
6; 847.0; 25-NOV-2008 04:35:51; Dark ; 64.5; 117; Pi Pup ; 2.71; 3800;occ; 129; 0;35229
7; 1085.0; 25-NOV-2008 04:39:49; Dark ; 73.0; 23; 21Eps CMa ; 1.50; 26000;occ; 146; 0;35229
8; 1220.9; 25-NOV-2008 04:42:05; Dark ; 80.0; 179; 240mi2CMa ; 3.03; 24000;occ; 160; 0;35229
9; 1520.0; 25-NOV-2008 04:47:04; Dark ; 110.0; 1; 9Alp CMa ; -1.44; 11000;occ; 220; 0;35229
10; 1761.3; 25-NOV-2008 04:51:05; Dark ; 68.5; 7; 19Bet Ori ; 0.10; 14000;occ; 137; 0;35229

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12; 2149.1; 25-NOV-2008 04:57:33; Dark ; 75.5; 27; 24Gam Ori ; 1.64; 26000;occ; 151; 0;35229
13; 2299.1; 25-NOV-2008 05:00:03; Bright; 86.0; 14; 58Alp Ori ; 0.87; 3000;occ; 172; 0;35229
14; 2639.9; 25-NOV-2008 05:05:44; Bright; 48.0; 114; 3Iot Aur ; 2.69; 4600;occ; 96; 0;35229
15; 2906.1; 25-NOV-2008 05:10:10; Bright; 50.0; 6; 13Alp Aur ; 0.08; 3400;occ; 100; 0;35229
16; 3040.7; 25-NOV-2008 05:12:25; Bright; 54.0; 42; 34Bet Aur ; 1.90; 10200;occ; 108; 0;35229
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 4; 126.4; 25-NOV-2008 06:04:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35230
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 7; 1085.8; 25-NOV-2008 06:20:26; Dark ; 71.0; 23; 21Eps CMa ; 1.50; 26000;occ; 142; 0;35230
 8; 1221.8; 25-NOV-2008 06:22:42; Dark ; 83.0; 179; 240mi2CMa ; 3.03; 24000;occ; 166; 0;35230
 9; 1520.1; 25-NOV-2008 06:27:40; Dark ; 109.0; 1; 9Alp CMa ; -1.44; 11000;occ; 218; 0;35230
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11; 1972.1; 25-NOV-2008 06:35:12; Dark ; 71.5; 30; 46Eps Ori ; 1.69; 30000;occ; 143; 0;35230
12; 2148.3; 25-NOV-2008 06:38:08; Dark ; 76.5; 27; 24Gam Ori ; 1.64; 26000;occ; 153; 0;35230
13; 2265.3; 25-NOV-2008 06:40:05; Bright; 53.5; 13; 87Alp Tau ; 0.87; 3800;occ; 107; 0;35230
14; 2639.0; 25-NOV-2008 06:46:19; Bright; 48.0; 114; 3Iot Aur ; 2.69; 4600;occ; 96; 0;35230
15; 2905.3; 25-NOV-2008 06:50:45; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;35230
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 4; 129.0; 25-NOV-2008 07:45:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35231
 5; 626.1; 25-NOV-2008 07:53:22; Dark ; 57.0; 70; Zet Pup ; 2.25; 39000;occ; 114; 0;35231
 6; 848.9; 25-NOV-2008 07:57:05; Dark ; 59.5; 117; Pi Pup ; 2.71; 3800;occ; 119; 0;35231
 7; 1086.7; 25-NOV-2008 08:01:03; Dark ; 68.5; 23; 21Eps CMa ; 1.50; 26000;occ; 137; 0;35231
 8; 1222.4; 25-NOV-2008 08:03:18; Dark ; 81.0; 179; 240mi2CMa ; 3.03; 24000;occ; 162; 0;35231
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 2; 1971.6; 25-NOV-2008 08:15:48; Dark ; 69.5; 30; 46Eps Ori ; 1.69; 30000;occ; 139; 0;35231
 3; 2147.4; 25-NOV-2008 08:18:43; Dark ; 67.0; 27; 24Gam Ori ; 1.64; 26000;occ; 134; 0;35231
 4; 2264.9; 25-NOV-2008 08:20:41; Bright; 53.5; 13; 87Alp Tau ; 0.87; 3800;occ; 107; 0;35231
 5; 2638.2; 25-NOV-2008 08:26:54; Bright; 48.5; 114; 3Iot Aur ; 2.69; 4600;occ; 97; 0;35231
 6; 2904.5; 25-NOV-2008 08:31:21; Bright; 70.0; 6; 13Alp Aur ; 0.08; 3400;occ; 140; 0;35231
 7; 3038.4; 25-NOV-2008 08:33:34; Bright; 54.5; 42; 34Bet Aur ; 1.90; 10200;occ; 109; 0;35231
 8; 4204.4; 25-NOV-2008 08:53:00; Bright; 49.0; 174; 52Psi UMa ; 3.00; 4400;occ; 98; 0;35231
 9; 4808.5; 25-NOV-2008 09:03:05; Bright; 59.5; 96; 68Del Leo ; 2.56; 9300;occ; 119; 0;35231
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11; 6167.4; 25-NOV-2008 09:25:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35231
12; 6663.1; 25-NOV-2008 09:33:59; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;35231
13; 6885.7; 25-NOV-2008 09:37:42; Dark ; 58.5; 117; Pi Pup ; 2.71; 3800;occ; 117; 0;35231
14; 7123.4; 25-NOV-2008 09:41:39; Dark ; 73.5; 23; 21Eps CMa ; 1.50; 26000;occ; 147; 0;35231
15; 7259.0; 25-NOV-2008 09:43:55; Dark ; 82.0; 179; 240mi2CMa ; 3.03; 24000;occ; 164; 0;35231
16; 7556.2; 25-NOV-2008 09:48:52; Dark ; 109.5; 1; 9Alp CMa ; -1.44; 11000;occ; 219; 0;35231
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 3; 2146.6; 25-NOV-2008 09:59:18; Dark ; 67.0; 27; 24Gam Ori ; 1.64; 26000;occ; 134; 0;35232
 4; 2264.4; 25-NOV-2008 10:01:16; Bright; 51.0; 13; 87Alp Tau ; 0.87; 3800;occ; 102; 0;35232
 5; 2637.5; 25-NOV-2008 10:07:29; Bright; 50.0; 114; 3Iot Aur ; 2.69; 4600;occ; 100; 0;35232
 6; 2903.7; 25-NOV-2008 10:11:56; Bright; 52.5; 6; 13Alp Aur ; 0.08; 3400;occ; 105; 0;35232
 7; 3037.4; 25-NOV-2008 10:14:09; Bright; 54.5; 42; 34Bet Aur ; 1.90; 10200;occ; 109; 0;35232
 8; 4204.2; 25-NOV-2008 10:33:36; Bright; 47.5; 174; 52Psi UMa ; 3.00; 4400;occ; 95; 0;35232
 9; 4809.2; 25-NOV-2008 10:43:41; Bright; 58.5; 96; 68Del Leo ; 2.56; 9300;occ; 117; 0;35232
10; 5027.2; 25-NOV-2008 10:47:19; Dark ; 48.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 96; 0;35232
11; 6170.0; 25-NOV-2008 11:06:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35232
12; 6664.3; 25-NOV-2008 11:14:36; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;35232
13; 6886.6; 25-NOV-2008 11:18:19; Dark ; 60.5; 117; Pi Pup ; 2.71; 3800;occ; 121; 0;35232
14; 7124.4; 25-NOV-2008 11:22:16; Dark ; 69.0; 23; 21Eps CMa ; 1.50; 26000;occ; 138; 0;35232
15; 7259.9; 25-NOV-2008 11:24:32; Dark ; 77.0; 179; 240mi2CMa ; 3.03; 24000;occ; 154; 0;35232
16; 7556.3; 25-NOV-2008 11:29:28; Dark ; 115.5; 1; 9Alp CMa ; -1.44; 11000;occ; 231; 0;35232

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3; 1970.4; 25-NOV-2008 11:36:58; Dark ; 73.0; 30; 46Eps Ori ; 1.69; 30000;occ; 146; 0;35233  
4; 2145.9; 25-NOV-2008 11:39:54; Dark ; 74.0; 27; 24Gam Ori ; 1.64; 26000;occ; 148; 0;35233  
5; 2263.8; 25-NOV-2008 11:41:52; Bright; 53.0; 13; 87Alp Tau ; 0.87; 3800;occ; 106; 0;35233  
6; 2636.7; 25-NOV-2008 11:48:05; Bright; 49.5; 114; 3Iot Aur ; 2.69; 4600;occ; 99; 0;35233  
7; 2902.9; 25-NOV-2008 11:52:31; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;35233  
8; 3036.2; 25-NOV-2008 11:54:44; Bright; 54.5; 42; 34Bet Aur ; 1.90; 10200;occ; 109; 0;35233  
9; 4203.9; 25-NOV-2008 12:14:12; Bright; 47.5; 174; 52Psi UMa ; 3.00; 4400;occ; 95; 0;35233  
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12; 6172.6; 25-NOV-2008 12:47:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35233  
13; 6665.5; 25-NOV-2008 12:55:13; Dark ; 55.0; 70; Zet Pup ; 2.25; 39000;occ; 110; 0;35233  
14; 6887.5; 25-NOV-2008 12:58:55; Dark ; 55.5; 117; Pi Pup ; 2.71; 3800;occ; 111; 0;35233  
15; 7125.1; 25-NOV-2008 13:02:53; Dark ; 73.5; 23; 21Eps CMA ; 1.50; 26000;occ; 147; 0;35233  
16; 7260.7; 25-NOV-2008 13:05:09; Dark ; 81.5; 179; 240mi2CMA ; 3.03; 24000;occ; 163; 0;35233  
17; 7556.5; 25-NOV-2008 13:10:04; Dark ; 24.0; 1; 9Alp CMA ; -1.44; 11000;occ; 48; 0;35233

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3; 1521.0; 25-NOV-2008 19:52:29; Dark ; 102.0; 1; 9Alp CMA ; -1.44; 11000;occ; 204; 0;35238  
4; 1760.0; 25-NOV-2008 19:56:28; Dark ; 63.5; 7; 19Bet Ori ; 0.10; 14000;occ; 127; 0;35238  
5; 1967.4; 25-NOV-2008 19:59:55; Dark ; 72.0; 30; 46Eps Ori ; 1.69; 30000;occ; 144; 0;35238  
6; 2142.1; 25-NOV-2008 20:02:50; Dark ; 68.0; 27; 24Gam Ori ; 1.64; 26000;occ; 136; 0;35238  
7; 2261.3; 25-NOV-2008 20:04:49; Bright; 55.5; 13; 87Alp Tau ; 0.87; 3800;occ; 111; 0;35238  
8; 2633.0; 25-NOV-2008 20:11:01; Bright; 49.5; 114; 3Iot Aur ; 2.69; 4600;occ; 99; 0;35238  
9; 2899.0; 25-NOV-2008 20:15:27; Bright; 49.5; 6; 13Alp Aur ; 0.08; 3400;occ; 99; 0;35238  
10; 3030.7; 25-NOV-2008 20:17:38; Bright; 55.0; 42; 34Bet Aur ; 1.90; 10200;occ; 110; 0;35238  
11; 4202.9; 25-NOV-2008 20:37:11; Bright; 52.5; 174; 52Psi UMa ; 3.00; 4400;occ; 105; 0;35238  
12; 4812.8; 25-NOV-2008 20:47:20; Bright; 58.0; 96; 68Del Leo ; 2.56; 9300;occ; 116; 0;35238

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3; 856.3; 25-NOV-2008 21:22:00; Dark ; 75.0; 117; Pi Pup ; 2.71; 3800;occ; 150; 0;35239  
4; 1093.4; 25-NOV-2008 21:25:57; Dark ; 75.0; 23; 21Eps CMA ; 1.50; 26000;occ; 150; 0;35239  
5; 1228.5; 25-NOV-2008 21:28:12; Dark ; 79.5; 179; 240mi2CMA ; 3.03; 24000;occ; 159; 0;35239  
6; 1521.3; 25-NOV-2008 21:33:05; Dark ; 107.5; 1; 9Alp CMA ; -1.44; 11000;occ; 215; 0;35239  
7; 1759.7; 25-NOV-2008 21:37:03; Dark ; 62.0; 7; 19Bet Ori ; 0.10; 14000;occ; 124; 0;35239  
8; 1966.8; 25-NOV-2008 21:40:30; Dark ; 72.0; 30; 46Eps Ori ; 1.69; 30000;occ; 144; 0;35239  
9; 2141.2; 25-NOV-2008 21:43:25; Dark ; 86.0; 27; 24Gam Ori ; 1.64; 26000;occ; 172; 0;35239  
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12; 2898.3; 25-NOV-2008 21:56:02; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;35239  
13; 3029.5; 25-NOV-2008 21:58:13; Bright; 56.0; 42; 34Bet Aur ; 1.90; 10200;occ; 112; 0;35239  
14; 4202.8; 25-NOV-2008 22:17:46; Bright; 49.0; 174; 52Psi UMa ; 3.00; 4400;occ; 98; 0;35239  
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3; 857.3; 25-NOV-2008 23:02:37; Dark ; 68.0; 117; Pi Pup ; 2.71; 3800;occ; 136; 0;35240  
4; 1094.3; 25-NOV-2008 23:06:34; Dark ; 69.0; 23; 21Eps CMA ; 1.50; 26000;occ; 138; 0;35240  
5; 1229.2; 25-NOV-2008 23:08:49; Dark ; 79.5; 179; 240mi2CMA ; 3.03; 24000;occ; 159; 0;35240  
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7; 1759.7; 25-NOV-2008 23:17:39; Dark ; 65.0; 7; 19Bet Ori ; 0.10; 14000;occ; 130; 0;35240  
8; 1966.1; 25-NOV-2008 23:21:06; Dark ; 72.0; 30; 46Eps Ori ; 1.69; 30000;occ; 144; 0;35240  
9; 2140.5; 25-NOV-2008 23:24:00; Dark ; 75.0; 27; 24Gam Ori ; 1.64; 26000;occ; 150; 0;35240  
10; 2260.3; 25-NOV-2008 23:26:00; Bright; 61.5; 13; 87Alp Tau ; 0.87; 3800;occ; 123; 0;35240  
11; 2631.3; 25-NOV-2008 23:32:11; Bright; 50.0; 114; 3Iot Aur ; 2.69; 4600;occ; 100; 0;35240  
12; 2897.5; 25-NOV-2008 23:36:37; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;35240  
13; 3028.4; 25-NOV-2008 23:38:48; Bright; 52.0; 42; 34Bet Aur ; 1.90; 10200;occ; 104; 0;35240  
14; 4202.5; 25-NOV-2008 23:58:22; Bright; 52.0; 174; 52Psi UMa ; 3.00; 4400;occ; 104; 0;35240  
15; 4814.0; 26-NOV-2008 00:08:33; Bright; 59.5; 96; 68Del Leo ; 2.56; 9300;occ; 119; 0;35240

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3; 1969.2; 25-NOV-2008 14:58:09; Dark ; 71.5; 30; 46Eps Ori ; 1.69; 30000;occ; 143; 0;35235  
4; 2144.4; 25-NOV-2008 15:01:04; Dark ; 80.0; 27; 24Gam Ori ; 1.64; 26000;occ; 160; 0;35235

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6; 2635.2; 25-NOV-2008 15:09:15; Bright; 48.5; 114; 3Iot Aur ; 2.69; 4600;occ; 97; 0;35235
7; 2901.4; 25-NOV-2008 15:13:41; Bright; 50.5; 6; 13Alp Aur ; 0.08; 3400;occ; 101; 0;35235
8; 3034.1; 25-NOV-2008 15:15:54; Bright; 54.5; 42; 34Bet Aur ; 1.90; 10200;occ; 109; 0;35235
9; 4203.9; 25-NOV-2008 15:35:24; Bright; 47.5; 174; 52Psi UMa ; 3.00; 4400;occ; 95; 0;35235
10; 4811.1; 25-NOV-2008 15:45:31; Bright; 61.5; 96; 68Del Leo ; 2.56; 9300;occ; 123; 0;35235
11; 5032.5; 25-NOV-2008 15:49:12; Dark ; 39.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 78; 0;35235
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13; 6667.8; 25-NOV-2008 16:16:27; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;35235
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15; 7127.1; 25-NOV-2008 16:24:07; Dark ; 73.5; 23; 21Eps CMa ; 1.50; 26000;occ; 147; 0;35235
16; 7262.6; 25-NOV-2008 16:26:22; Dark ; 68.0; 179; 240mi2CMa ; 3.03; 24000;occ; 136; 0;35235
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4; 2134.0; 26-NOV-2008 14:29:17; Dark ; 67.0; 27; 24Gam Ori ; 1.64; 26000;occ; 134; 0;35249
5; 2256.4; 26-NOV-2008 14:31:19; Bright; 54.5; 13; 87Alp Tau ; 0.87; 3800;occ; 109; 0;35249
6; 2624.8; 26-NOV-2008 14:37:28; Bright; 50.5; 114; 3Iot Aur ; 2.69; 4600;occ; 101; 0;35249
7; 2890.8; 26-NOV-2008 14:41:53; Bright; 50.0; 6; 13Alp Aur ; 0.08; 3400;occ; 100; 0;35249
8; 3018.7; 26-NOV-2008 14:44:01; Bright; 54.0; 42; 34Bet Aur ; 1.90; 10200;occ; 108; 0;35249
9; 4201.2; 26-NOV-2008 15:03:44; Bright; 48.0; 174; 52Psi UMa ; 3.00; 4400;occ; 96; 0;35249
10; 4820.0; 26-NOV-2008 15:14:03; Bright; 62.0; 96; 68Del Leo ; 2.56; 9300;occ; 124; 0;35249
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12; 6683.6; 26-NOV-2008 15:45:06; Dark ; 53.0; 70; Zet Pup ; 2.25; 39000;occ; 106; 0;35249
13; 6903.0; 26-NOV-2008 15:48:46; Dark ; 59.5; 117; Pi Pup ; 2.71; 3800;occ; 119; 0;35249
14; 7138.7; 26-NOV-2008 15:52:41; Dark ; 69.0; 23; 21Eps CMA ; 1.50; 26000;occ; 138; 0;35249
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4; 1523.0; 26-NOV-2008 21:01:30; Dark ; 107.5; 1; 9Alp CMA ; -1.44; 11000;occ; 215; 0;35253
5; 1758.1; 26-NOV-2008 21:05:25; Dark ; 61.5; 7; 19Bet Ori ; 0.10; 14000;occ; 123; 0;35253
6; 1959.1; 26-NOV-2008 21:08:46; Dark ; 70.5; 30; 46Eps Ori ; 1.69; 30000;occ; 141; 0;35253

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13; 3013.4; 26-NOV-2008 23:06:56; Bright; 53.5; 42; 34Bet Aur ; 1.90; 10200;occ; 107; 0;35254
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13; 6903.9; 26-NOV-2008 17:29:23; Dark ; 63.0; 117; Pi Pup ; 2.71; 3800;occ; 126; 0;35250
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6; 2132.6; 26-NOV-2008 17:50:27; Dark ; 72.5; 27; 24Gam Ori ; 1.64; 26000;occ; 145; 0;35251
7; 2255.4; 26-NOV-2008 17:52:30; Bright; 57.0; 13; 87Alp Tau ; 0.87; 3800;occ; 114; 0;35251
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11; 4200.7; 26-NOV-2008 18:24:55; Bright; 50.5; 174; 52Psi UMa ; 3.00; 4400;occ; 101; 0;35251
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5; 1959.7; 26-NOV-2008 19:28:10; Dark ; 71.5; 30; 46Eps Ori ; 1.69; 30000;occ; 143; 0;35252
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9; 2888.3; 26-NOV-2008 19:43:39; Bright; 50.0; 6; 13Alp Aur ; 0.08; 3400;occ; 100; 0;35252
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4; 1106.7; 27-NOV-2008 00:15:45; Dark ; 71.0; 23; 21Eps CMA ; 1.50; 26000;occ; 142; 0;35255
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9; 2129.7; 27-NOV-2008 00:32:48; Dark ; 79.0; 27; 24Gam Ori ; 1.64; 26000;occ; 158; 0;35255
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4; 1107.6; 27-NOV-2008 01:56:22; Dark ; 70.5; 23; 21Eps CMA ; 1.50; 26000;occ; 141; 0;35256
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11; 2999.7; 27-NOV-2008 20:54:29; Bright; 53.0; 42; 34Bet Aur ; 1.90; 10200;occ; 106; 0;35267
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3; 883.5; 27-NOV-2008 21:59:49; Dark ; 62.0; 117; Pi Pup ; 2.71; 3800;occ; 124; 0;35268
4; 1117.1; 27-NOV-2008 22:03:43; Dark ; 70.0; 23; 21Eps CMA ; 1.50; 26000;occ; 140; 0;35268
5; 1249.7; 27-NOV-2008 22:05:55; Dark ; 73.0; 179; 240mi2CMA ; 3.03; 24000;occ; 146; 0;35268
6; 1525.0; 27-NOV-2008 22:10:31; Dark ; 104.5; 1; 9Alp CMA ; -1.44; 11000;occ; 209; 0;35268
7; 1756.4; 27-NOV-2008 22:14:22; Dark ; 59.5; 7; 19Bet Ori ; 0.10; 14000;occ; 119; 0;35268
8; 1951.7; 27-NOV-2008 22:17:37; Dark ; 68.0; 30; 46Eps Ori ; 1.69; 30000;occ; 136; 0;35268
9; 2121.1; 27-NOV-2008 22:20:27; Dark ; 62.5; 27; 24Gam Ori ; 1.64; 26000;occ; 125; 0;35268
10; 2246.1; 27-NOV-2008 22:22:32; Bright; 84.0; 14; 58Alp Ori ; 0.87; 3000;occ; 168; 0;35268
11; 2509.7; 27-NOV-2008 22:26:55; Bright; 58.0; 176; 23Zet Tau ; 3.02; 22000;occ; 116; 0;35268
12; 2876.5; 27-NOV-2008 22:33:02; Bright; 49.0; 6; 13Alp Aur ; 0.08; 3400;occ; 98; 0;35268
13; 2998.6; 27-NOV-2008 22:35:04; Bright; 53.0; 42; 34Bet Aur ; 1.90; 10200;occ; 106; 0;35268
14; 4197.0; 27-NOV-2008 22:55:03; Bright; 51.5; 174; 52Psi UMa ; 3.00; 4400;occ; 103; 0;35268
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2; 668.5; 27-NOV-2008 23:36:50; Dark ; 56.0; 70; Zet Pup ; 2.25; 39000;occ; 112; 0;35269
3; 884.4; 27-NOV-2008 23:40:26; Dark ; 57.5; 117; Pi Pup ; 2.71; 3800;occ; 115; 0;35269
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5; 1250.3; 27-NOV-2008 23:46:32; Dark ; 77.5; 179; 240mi2CMA ; 3.03; 24000;occ; 155; 0;35269
6; 1525.2; 27-NOV-2008 23:51:07; Dark ; 101.5; 1; 9Alp CMA ; -1.44; 11000;occ; 203; 0;35269
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11; 2508.5; 28-NOV-2008 00:07:30; Bright; 60.5; 176; 23Zet Tau ; 3.02; 22000;occ; 121; 0;35269
12; 2875.7; 28-NOV-2008 00:13:37; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;35269
13; 2997.5; 28-NOV-2008 00:15:39; Bright; 52.0; 42; 34Bet Aur ; 1.90; 10200;occ; 104; 0;35269
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3; 203.2; 27-NOV-2008 06:43:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35259
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5; 875.3; 27-NOV-2008 06:54:18; Dark ; 63.5; 117; Pi Pup ; 2.71; 3800;occ; 127; 0;35259
6; 1110.1; 27-NOV-2008 06:58:12; Dark ; 66.0; 23; 21Eps CMA ; 1.50; 26000;occ; 132; 0;35259
7; 1243.2; 27-NOV-2008 07:00:25; Dark ; 76.0; 179; 240mi2CMA ; 3.03; 24000;occ; 152; 0;35259
8; 1523.8; 27-NOV-2008 07:05:06; Dark ; 104.5; 1; 9Alp CMA ; -1.44; 11000;occ; 209; 0;35259
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3; 2127.1; 27-NOV-2008 07:15:09; Dark ; 67.5; 27; 24Gam Ori ; 1.64; 26000;occ; 135; 0;35259
4; 2257.5; 27-NOV-2008 07:17:20; Bright; 86.0; 14; 58Alp Ori ; 0.87; 3000;occ; 172; 0;35259
5; 2617.6; 27-NOV-2008 07:23:20; Bright; 48.5; 114; 3Iot Aur ; 2.69; 4600;occ; 97; 0;35259
6; 2883.1; 27-NOV-2008 07:27:45; Bright; 49.5; 6; 13Alp Aur ; 0.08; 3400;occ; 99; 0;35259
7; 3008.1; 27-NOV-2008 07:29:50; Bright; 79.0; 42; 34Bet Aur ; 1.90; 10200;occ; 158; 0;35259
8; 4199.0; 27-NOV-2008 07:49:41; Bright; 50.5; 174; 52Psi UMa ; 3.00; 4400;occ; 101; 0;35259
9; 4826.5; 27-NOV-2008 08:00:09; Bright; 63.5; 96; 68Del Leo ; 2.56; 9300;occ; 127; 0;35259
10; 6241.8; 27-NOV-2008 08:23:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35259
11; 6694.5; 27-NOV-2008 08:31:17; Dark ; 55.0; 70; Zet Pup ; 2.25; 39000;occ; 110; 0;35259
12; 6912.2; 27-NOV-2008 08:34:54; Dark ; 59.0; 117; Pi Pup ; 2.71; 3800;occ; 118; 0;35259
13; 7146.9; 27-NOV-2008 08:38:49; Dark ; 69.5; 23; 21Eps CMA ; 1.50; 26000;occ; 139; 0;35259
14; 7280.0; 27-NOV-2008 08:41:02; Dark ; 77.0; 179; 240mi2CMA ; 3.03; 24000;occ; 154; 0;35259
15; 7560.0; 27-NOV-2008 08:45:42; Dark ; 108.5; 1; 9Alp CMA ; -1.44; 11000;occ; 217; 0;35259
16; 7793.2; 27-NOV-2008 08:49:35; Dark ; 63.5; 7; 19Bet Ori ; 0.10; 14000;occ; 127; 0;35259

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 3; 2126.4; 27-NOV-2008 08:55:45; Dark ; 74.0; 27; 24Gam Ori ; 1.64; 26000;occ; 148; 0;35260  
 4; 2256.1; 27-NOV-2008 08:57:54; Bright; 86.5; 14; 58Alp Ori ; 0.87; 3000;occ; 173; 0;35260  
 5; 2616.9; 27-NOV-2008 09:03:55; Bright; 49.0; 114; 3Iot Aur ; 2.69; 4600;occ; 98; 0;35260  
 6; 2882.4; 27-NOV-2008 09:08:21; Bright; 48.0; 6; 13Alp Aur ; 0.08; 3400;occ; 96; 0;35260  
 7; 3007.0; 27-NOV-2008 09:10:25; Bright; 53.0; 42; 34Bet Aur ; 1.90; 10200;occ; 106; 0;35260  
 8; 4198.8; 27-NOV-2008 09:30:17; Bright; 49.5; 174; 52Psi UMa ; 3.00; 4400;occ; 99; 0;35260  
 9; 4827.1; 27-NOV-2008 09:40:45; Bright; 64.5; 96; 68Del Leo ; 2.56; 9300;occ; 129; 0;35260  
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 11; 6695.4; 27-NOV-2008 10:11:54; Dark ; 53.0; 70; Zet Pup ; 2.25; 39000;occ; 106; 0;35260  
 12; 6913.0; 27-NOV-2008 10:15:31; Dark ; 62.5; 117; Pi Pup ; 2.71; 3800;occ; 125; 2;35260  
 13; 7147.5; 27-NOV-2008 10:19:26; Dark ; 69.5; 23; 21Eps CMA ; 1.50; 26000;occ; 139; 0;35260  
 14; 7280.6; 27-NOV-2008 10:21:39; Dark ; 76.5; 179; 240mi2CMA ; 3.03; 24000;occ; 153; 0;35260  
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 3; 2125.6; 27-NOV-2008 10:36:20; Dark ; 72.0; 27; 24Gam Ori ; 1.64; 26000;occ; 144; 0;35261  
 4; 2254.8; 27-NOV-2008 10:38:29; Bright; 87.0; 14; 58Alp Ori ; 0.87; 3000;occ; 174; 0;35261  
 5; 2616.2; 27-NOV-2008 10:44:30; Bright; 48.5; 114; 3Iot Aur ; 2.69; 4600;occ; 97; 0;35261  
 6; 2881.6; 27-NOV-2008 10:48:56; Bright; 49.5; 6; 13Alp Aur ; 0.08; 3400;occ; 99; 0;35261  
 7; 3005.9; 27-NOV-2008 10:51:00; Bright; 50.5; 42; 34Bet Aur ; 1.90; 10200;occ; 101; 0;35261  
 8; 4198.6; 27-NOV-2008 11:10:53; Bright; 50.0; 174; 52Psi UMa ; 3.00; 4400;occ; 100; 0;35261  
 9; 4827.7; 27-NOV-2008 11:21:22; Bright; 62.5; 96; 68Del Leo ; 2.56; 9300;occ; 125; 0;35261  
 10; 6247.2; 27-NOV-2008 11:45:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35261  
 11; 6696.7; 27-NOV-2008 11:52:31; Dark ; 56.0; 70; Zet Pup ; 2.25; 39000;occ; 112; 0;35261  
 12; 6913.9; 27-NOV-2008 11:56:08; Dark ; 55.0; 117; Pi Pup ; 2.71; 3800;occ; 110; 0;35261  
 13; 7148.2; 27-NOV-2008 12:00:02; Dark ; 70.5; 23; 21Eps CMA ; 1.50; 26000;occ; 141; 0;35261  
 14; 7281.3; 27-NOV-2008 12:02:15; Dark ; 78.0; 179; 240mi2CMA ; 3.03; 24000;occ; 156; 0;35261  
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 3; 1954.6; 27-NOV-2008 12:14:04; Dark ; 65.5; 30; 46Eps Ori ; 1.69; 30000;occ; 131; 0;35262  
 4; 2125.0; 27-NOV-2008 12:16:55; Dark ; 65.0; 27; 24Gam Ori ; 1.64; 26000;occ; 130; 0;35262  
 5; 2253.6; 27-NOV-2008 12:19:04; Bright; 86.0; 14; 58Alp Ori ; 0.87; 3000;occ; 172; 0;35262  
 6; 2615.5; 27-NOV-2008 12:25:05; Bright; 48.5; 114; 3Iot Aur ; 2.69; 4600;occ; 97; 0;35262  
 7; 2880.8; 27-NOV-2008 12:29:31; Bright; 51.5; 6; 13Alp Aur ; 0.08; 3400;occ; 103; 0;35262  
 8; 3004.9; 27-NOV-2008 12:31:35; Bright; 53.0; 42; 34Bet Aur ; 1.90; 10200;occ; 106; 0;35262  
 9; 4198.4; 27-NOV-2008 12:51:28; Bright; 48.5; 174; 52Psi UMa ; 3.00; 4400;occ; 97; 0;35262  
 10; 4828.2; 27-NOV-2008 13:01:58; Bright; 64.0; 96; 68Del Leo ; 2.56; 9300;occ; 128; 0;35262  
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 12; 6697.8; 27-NOV-2008 13:33:08; Dark ; 55.5; 70; Zet Pup ; 2.25; 39000;occ; 111; 0;35262  
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 4; 2124.4; 27-NOV-2008 13:57:30; Dark ; 65.5; 27; 24Gam Ori ; 1.64; 26000;occ; 131; 0;35263  
 5; 2252.3; 27-NOV-2008 13:59:38; Bright; 85.5; 14; 58Alp Ori ; 0.87; 3000;occ; 171; 0;35263  
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 9; 4198.4; 27-NOV-2008 14:32:04; Bright; 51.0; 174; 52Psi UMa ; 3.00; 4400;occ; 102; 0;35263  
 10; 4828.8; 27-NOV-2008 14:42:35; Bright; 66.0; 96; 68Del Leo ; 2.56; 9300;occ; 132; 0;35263  
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 13; 6915.9; 27-NOV-2008 15:17:22; Dark ; 63.5; 117; Pi Pup ; 2.71; 3800;occ; 127; 0;35263  
 14; 7150.0; 27-NOV-2008 15:21:16; Dark ; 69.0; 23; 21Eps CMA ; 1.50; 26000;occ; 138; 0;35263  
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9; 4195.3; 28-NOV-2008 12:19:48; Bright; 50.5; 174; 52Psi UMa ; 3.00; 4400;occ; 101; 0;35276
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17; 1753.4; 30-NOV-2008 03:53:29; Dark ; 58.0; 7; 19Bet Ori ; 0.10; 14000;occ; 116; 0;35300
18; 1937.3; 30-NOV-2008 03:56:33; Dark ; 63.0; 30; 46Eps Ori ; 1.69; 30000;occ; 126; 0;35300
19; 2101.7; 30-NOV-2008 03:59:17; Dark ; 64.0; 27; 24Gam Ori ; 1.64; 26000;occ; 128; 0;35300
20; 2235.5; 30-NOV-2008 04:01:31; Bright; 53.0; 13; 87Alp Tau ; 0.87; 3800;occ; 106; 0;35300
21; 2473.0; 30-NOV-2008 04:05:28; Bright; 38.5; 150; 44Zet Per ; 2.89; 28000;occ; 77; 0;35300
22; 2619.1; 30-NOV-2008 04:07:55; Bright; 38.5; 149; 45Eps Per ; 2.89; 30000;occ; 77; 0;35300
23; 2854.1; 30-NOV-2008 04:11:50; Bright; 49.5; 6; 13Alp Aur ; 0.08; 3400;occ; 99; 0;35300
24; 2966.4; 30-NOV-2008 04:13:42; Bright; 49.0; 42; 34Bet Aur ; 1.90; 10200;occ; 98; 0;35300
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2; -2115.6; 30-NOV-2008 06:10:12; Bright; 43.0; 82; 48Bet UMA ; 2.37; 10600;occ; 86; 0;35301
3; -2020.5; 30-NOV-2008 06:11:47; Bright; 36.5; 32; 77Eps UMA ; 1.76; 11000;occ; 73; 0;35301
4; -1846.4; 30-NOV-2008 06:14:41; Bright; 52.0; 174; 52Psi UMA ; 3.00; 4400;occ; 104; 0;35301
5; -1688.3; 30-NOV-2008 06:17:19; Bright; 37.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 74; 0;35301
6; -1118.2; 30-NOV-2008 06:26:49; Bright; 55.5; 62; 94Bet Leo ; 2.14; 9700;occ; 111; 0;35301
7; -919.8; 30-NOV-2008 06:30:08; Bright; 45.5; 121; 29Gam Vir ; 2.74; 7200;occ; 91; 0;35301
8; -581.4; 30-NOV-2008 06:35:46; Dark ; 46.5; 100; 4Gam Crv ; 2.58; 13100;occ; 93; 0;35301
9; -486.0; 30-NOV-2008 06:37:21; Dark ; 48.5; 171; 2Eps Crv ; 3.00; 4250;occ; 97; 0;35301
10; 401.2; 30-NOV-2008 06:52:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35302
11; 599.4; 30-NOV-2008 06:55:27; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;35302
12; 703.8; 30-NOV-2008 06:57:11; Dark ; 55.0; 70; Zet Pup ; 2.25; 39000;occ; 110; 0;35302
13; 913.5; 30-NOV-2008 07:00:41; Dark ; 59.5; 117; Pi Pup ; 2.71; 3800;occ; 119; 0;35302
14; 1059.3; 30-NOV-2008 07:03:07; Dark ; 40.0; 88; 31Eta CMA ; 2.45; 20000;occ; 80; 0;35302
15; 1142.5; 30-NOV-2008 07:04:30; Dark ; 61.5; 23; 21Eps CMA ; 1.50; 26000;occ; 123; 0;35302
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2; 1936.5; 30-NOV-2008 07:17:44; Dark ; 65.0; 30; 46Eps Ori ; 1.69; 30000;occ; 130; 0;35302
3; 2100.7; 30-NOV-2008 07:20:28; Dark ; 60.5; 27; 24Gam Ori ; 1.64; 26000;occ; 121; 0;35302
4; 2234.8; 30-NOV-2008 07:22:42; Bright; 53.0; 13; 87Alp Tau ; 0.87; 3800;occ; 106; 0;35302
5; 2472.6; 30-NOV-2008 07:26:40; Bright; 37.0; 150; 44Zet Per ; 2.89; 28000;occ; 74; 0;35302
6; 2618.6; 30-NOV-2008 07:29:06; Bright; 37.0; 149; 45Eps Per ; 2.89; 30000;occ; 74; 0;35302
7; 2852.8; 30-NOV-2008 07:33:00; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;35302
8; 2964.4; 30-NOV-2008 07:34:52; Bright; 76.0; 42; 34Bet Aur ; 1.90; 10200;occ; 152; 0;35302
9; 3823.7; 30-NOV-2008 07:49:11; Bright; 45.0; 36; 50Alp UMA ; 1.80; 6300;occ; 90; 0;35302
10; 3920.0; 30-NOV-2008 07:50:47; Bright; 44.5; 82; 48Bet UMA ; 2.37; 10600;occ; 89; 0;35302
11; 4015.4; 30-NOV-2008 07:52:23; Bright; 38.5; 32; 77Eps UMA ; 1.76; 11000;occ; 77; 0;35302
12; 4189.4; 30-NOV-2008 07:55:17; Bright; 63.5; 174; 52Psi UMA ; 3.00; 4400;occ; 127; 0;35302
13; 4347.7; 30-NOV-2008 07:57:55; Bright; 37.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 74; 0;35302
14; 4918.3; 30-NOV-2008 08:07:26; Bright; 56.5; 62; 94Bet Leo ; 2.14; 9700;occ; 113; 0;35302
15; 5116.6; 30-NOV-2008 08:10:44; Bright; 43.0; 121; 29Gam Vir ; 2.74; 7200;occ; 86; 0;35302
16; 5455.4; 30-NOV-2008 08:16:23; Dark ; 44.5; 100; 4Gam Crv ; 2.58; 13100;occ; 89; 0;35302
17; 5550.8; 30-NOV-2008 08:17:58; Dark ; 49.0; 171; 2Eps Crv ; 3.00; 4250;occ; 98; 0;35302
18; 6438.0; 30-NOV-2008 08:32:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35302
19; 6636.3; 30-NOV-2008 08:36:04; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;35302
20; 6740.8; 30-NOV-2008 08:37:48; Dark ; 54.5; 70; Zet Pup ; 2.25; 39000;occ; 109; 0;35302
21; 6950.3; 30-NOV-2008 08:41:18; Dark ; 60.0; 117; Pi Pup ; 2.71; 3800;occ; 120; 0;35302
22; 7096.1; 30-NOV-2008 08:43:44; Dark ; 40.0; 88; 31Eta CMA ; 2.45; 20000;occ; 80; 0;35302
23; 7179.1; 30-NOV-2008 08:45:07; Dark ; 66.0; 23; 21Eps CMA ; 1.50; 26000;occ; 132; 0;35302
24; 7571.1; 30-NOV-2008 08:51:39; Dark ; 53.0; 101; 11Alp Lep ; 2.58; 7000;occ; 106; 0;35302
25; 7788.9; 30-NOV-2008 08:55:16; Dark ; 15.0; 7; 19Bet Ori ; 0.10; 14000;occ; 30; 0;35302
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2; 1936.0; 30-NOV-2008 08:58:19; Dark ; 62.5; 30; 46Eps Ori ; 1.69; 30000;occ; 125; 0;35303
3; 2100.0; 30-NOV-2008 09:01:03; Dark ; 61.0; 27; 24Gam Ori ; 1.64; 26000;occ; 122; 0;35303
4; 2234.5; 30-NOV-2008 09:03:18; Bright; 51.5; 13; 87Alp Tau ; 0.87; 3800;occ; 103; 0;35303
5; 2472.2; 30-NOV-2008 09:07:16; Bright; 39.5; 150; 44Zet Per ; 2.89; 28000;occ; 79; 0;35303
6; 2618.1; 30-NOV-2008 09:09:41; Bright; 38.0; 149; 45Eps Per ; 2.89; 30000;occ; 76; 0;35303
7; 2852.2; 30-NOV-2008 09:13:36; Bright; 49.0; 6; 13Alp Aur ; 0.08; 3400;occ; 98; 0;35303

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8; 2963.4; 30-NOV-2008 09:15:27; Bright; 51.0; 42; 34Bet Aur ; 1.90; 10200;occ; 102; 0;35303  
9; 3823.3; 30-NOV-2008 09:29:47; Bright; 47.5; 36; 50Alp UMA ; 1.80; 6300;occ; 95; 0;35303  
10; 3919.8; 30-NOV-2008 09:31:23; Bright; 47.0; 82; 48Bet UMA ; 2.37; 10600;occ; 94; 0;35303  
11; 4015.3; 30-NOV-2008 09:32:59; Bright; 38.0; 32; 77Eps UMA ; 1.76; 11000;occ; 76; 0;35303  
12; 4189.1; 30-NOV-2008 09:35:52; Bright; 50.5; 174; 52Psi UMA ; 3.00; 4400;occ; 101; 0;35303  
13; 4347.9; 30-NOV-2008 09:38:31; Bright; 39.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 78; 0;35303  
14; 4919.1; 30-NOV-2008 09:48:02; Bright; 57.0; 62; 94Bet Leo ; 2.14; 9700;occ; 114; 0;35303  
15; 5117.3; 30-NOV-2008 09:51:21; Bright; 43.5; 121; 29Gam Vir ; 2.74; 7200;occ; 87; 0;35303  
16; 5456.0; 30-NOV-2008 09:56:59; Dark ; 47.0; 100; 4Gam Crv ; 2.58; 13100;occ; 94; 0;35303  
17; 5551.6; 30-NOV-2008 09:58:35; Dark ; 46.5; 171; 2Eps Crv ; 3.00; 4250;occ; 93; 0;35303  
18; 6438.8; 30-NOV-2008 10:13:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35303  
19; 6637.1; 30-NOV-2008 10:16:40; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;35303  
20; 6741.8; 30-NOV-2008 10:18:25; Dark ; 53.0; 70; Zet Pup ; 2.25; 39000;occ; 106; 0;35303  
21; 6951.2; 30-NOV-2008 10:21:55; Dark ; 63.5; 117; Pi Pup ; 2.71; 3800;occ; 127; 0;35303  
22; 7096.9; 30-NOV-2008 10:24:20; Dark ; 42.0; 88; 31Eta CMA ; 2.45; 20000;occ; 84; 0;35303  
23; 7179.8; 30-NOV-2008 10:25:43; Dark ; 64.5; 23; 21Eps CMA ; 1.50; 26000;occ; 129; 0;35303  
24; 7571.2; 30-NOV-2008 10:32:15; Dark ; 55.0; 101; 11Alp Lep ; 2.58; 7000;occ; 110; 0;35303  
25; 7788.8; 30-NOV-2008 10:35:52; Dark ; 3.0; 7; 19Bet Ori ; 0.10; 14000;occ; 6; 0;35303

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2; 1935.6; 30-NOV-2008 10:38:55; Dark ; 62.5; 30; 46Eps Ori ; 1.69; 30000;occ; 125; 0;35304  
3; 2099.5; 30-NOV-2008 10:41:39; Dark ; 60.0; 27; 24Gam Ori ; 1.64; 26000;occ; 120; 0;35304  
4; 2234.1; 30-NOV-2008 10:43:53; Bright; 56.0; 13; 87Alp Tau ; 0.87; 3800;occ; 112; 0;35304  
5; 2472.1; 30-NOV-2008 10:47:51; Bright; 38.5; 150; 44Zet Per ; 2.89; 28000;occ; 77; 0;35304  
6; 2617.9; 30-NOV-2008 10:50:17; Bright; 37.5; 149; 45Eps Per ; 2.89; 30000;occ; 75; 0;35304  
7; 2851.5; 30-NOV-2008 10:54:11; Bright; 46.5; 6; 13Alp Aur ; 0.08; 3400;occ; 93; 0;35304  
8; 2962.5; 30-NOV-2008 10:56:02; Bright; 50.0; 42; 34Bet Aur ; 1.90; 10200;occ; 100; 0;35304  
9; 3822.9; 30-NOV-2008 11:10:22; Bright; 43.5; 36; 50Alp UMA ; 1.80; 6300;occ; 87; 0;35304  
10; 3919.4; 30-NOV-2008 11:11:59; Bright; 47.5; 82; 48Bet UMA ; 2.37; 10600;occ; 95; 0;35304  
11; 4015.2; 30-NOV-2008 11:13:34; Bright; 39.5; 32; 77Eps UMA ; 1.76; 11000;occ; 79; 0;35304  
12; 4188.8; 30-NOV-2008 11:16:28; Bright; 55.0; 174; 52Psi UMA ; 3.00; 4400;occ; 110; 0;35304  
13; 4347.9; 30-NOV-2008 11:19:07; Bright; 39.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 79; 0;35304  
14; 4919.7; 30-NOV-2008 11:28:39; Bright; 58.0; 62; 94Bet Leo ; 2.14; 9700;occ; 116; 0;35304  
15; 5117.9; 30-NOV-2008 11:31:57; Bright; 42.5; 121; 29Gam Vir ; 2.74; 7200;occ; 85; 0;35304  
16; 5456.8; 30-NOV-2008 11:37:36; Dark ; 45.5; 100; 4Gam Crv ; 2.58; 13100;occ; 91; 0;35304  
17; 5552.4; 30-NOV-2008 11:39:12; Dark ; 45.0; 171; 2Eps Crv ; 3.00; 4250;occ; 90; 0;35304  
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19; 6638.0; 30-NOV-2008 11:57:17; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;35304  
20; 6742.9; 30-NOV-2008 11:59:02; Dark ; 52.5; 70; Zet Pup ; 2.25; 39000;occ; 105; 0;35304  
21; 6952.0; 30-NOV-2008 12:02:31; Dark ; 65.0; 117; Pi Pup ; 2.71; 3800;occ; 130; 0;35304  
22; 7097.7; 30-NOV-2008 12:04:57; Dark ; 42.0; 88; 31Eta CMA ; 2.45; 20000;occ; 84; 0;35304  
23; 7180.5; 30-NOV-2008 12:06:20; Dark ; 68.5; 23; 21Eps CMA ; 1.50; 26000;occ; 137; 0;35304

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2; 1752.9; 30-NOV-2008 12:16:28; Dark ; 68.0; 7; 19Bet Ori ; 0.10; 14000;occ; 136; 0;35305  
3; 1935.2; 30-NOV-2008 12:19:30; Dark ; 57.5; 30; 46Eps Ori ; 1.69; 30000;occ; 115; 0;35305  
4; 2099.0; 30-NOV-2008 12:22:14; Dark ; 60.0; 27; 24Gam Ori ; 1.64; 26000;occ; 120; 0;35305  
5; 2233.8; 30-NOV-2008 12:24:29; Bright; 53.5; 13; 87Alp Tau ; 0.87; 3800;occ; 107; 0;35305  
6; 2471.8; 30-NOV-2008 12:28:27; Bright; 36.5; 150; 44Zet Per ; 2.89; 28000;occ; 73; 0;35305  
7; 2617.7; 30-NOV-2008 12:30:53; Bright; 36.5; 149; 45Eps Per ; 2.89; 30000;occ; 73; 0;35305  
8; 2850.8; 30-NOV-2008 12:34:46; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;35305  
9; 2961.5; 30-NOV-2008 12:36:37; Bright; 52.0; 42; 34Bet Aur ; 1.90; 10200;occ; 104; 0;35305  
10; 3822.6; 30-NOV-2008 12:50:58; Bright; 45.0; 36; 50Alp UMA ; 1.80; 6300;occ; 90; 0;35305  
11; 3919.0; 30-NOV-2008 12:52:34; Bright; 46.0; 82; 48Bet UMA ; 2.37; 10600;occ; 92; 0;35305  
12; 4015.1; 30-NOV-2008 12:54:10; Bright; 38.5; 32; 77Eps UMA ; 1.76; 11000;occ; 77; 0;35305  
13; 4188.7; 30-NOV-2008 12:57:04; Bright; 51.5; 174; 52Psi UMA ; 3.00; 4400;occ; 103; 0;35305  
14; 4348.1; 30-NOV-2008 12:59:43; Bright; 39.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 78; 0;35305  
15; 4920.4; 30-NOV-2008 13:09:16; Bright; 56.5; 62; 94Bet Leo ; 2.14; 9700;occ; 113; 0;35305  
16; 5118.4; 30-NOV-2008 13:12:34; Bright; 43.0; 121; 29Gam Vir ; 2.74; 7200;occ; 86; 0;35305  
17; 5457.7; 30-NOV-2008 13:18:13; Dark ; 46.0; 100; 4Gam Crv ; 2.58; 13100;occ; 92; 0;35305  
18; 5553.2; 30-NOV-2008 13:19:48; Dark ; 51.5; 171; 2Eps Crv ; 3.00; 4250;occ; 103; 0;35305  
19; 6440.5; 30-NOV-2008 13:34:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35305  
20; 6638.8; 30-NOV-2008 13:37:54; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;35305  
21; 6743.8; 30-NOV-2008 13:39:39; Dark ; 54.5; 70; Zet Pup ; 2.25; 39000;occ; 109; 0;35305  
22; 6952.9; 30-NOV-2008 13:43:08; Dark ; 61.5; 117; Pi Pup ; 2.71; 3800;occ; 123; 0;35305  
23; 7098.8; 30-NOV-2008 13:45:34; Dark ; 44.0; 88; 31Eta CMA ; 2.45; 20000;occ; 88; 0;35305  
24; 7181.3; 30-NOV-2008 13:46:56; Dark ; 66.5; 23; 21Eps CMA ; 1.50; 26000;occ; 133; 0;35305  
25; 7571.6; 30-NOV-2008 13:53:27; Dark ; 8.5; 101; 11Alp Lep ; 2.58; 7000;occ; 17; 0;35305



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 3; 1934.9; 30-NOV-2008 14:00:06; Dark ; 63.0; 30; 46Eps Ori ; 1.69; 30000;occ; 126; 0;35306  
 4; 2098.4; 30-NOV-2008 14:02:49; Dark ; 60.0; 27; 24Gam Ori ; 1.64; 26000;occ; 120; 0;35306  
 5; 2233.5; 30-NOV-2008 14:05:04; Bright; 55.5; 13; 87Alp Tau ; 0.87; 3800;occ; 111; 0;35306  
 6; 2471.6; 30-NOV-2008 14:09:03; Bright; 37.5; 150; 44Zet Per ; 2.89; 28000;occ; 75; 0;35306  
 7; 2617.5; 30-NOV-2008 14:11:28; Bright; 38.0; 149; 45Eps Per ; 2.89; 30000;occ; 76; 0;35306  
 8; 2850.2; 30-NOV-2008 14:15:21; Bright; 51.5; 6; 13Alp Aur ; 0.08; 3400;occ; 103; 0;35306  
 9; 2960.7; 30-NOV-2008 14:17:12; Bright; 50.5; 42; 34Bet Aur ; 1.90; 10200;occ; 101; 0;35306  
 10; 3822.5; 30-NOV-2008 14:31:33; Bright; 45.0; 36; 50Alp UMa ; 1.80; 6300;occ; 90; 0;35306  
 11; 3918.8; 30-NOV-2008 14:33:10; Bright; 47.0; 82; 48Bet UMa ; 2.37; 10600;occ; 94; 0;35306  
 12; 4015.1; 30-NOV-2008 14:34:46; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;35306  
 13; 4188.5; 30-NOV-2008 14:37:39; Bright; 54.0; 174; 52Psi UMa ; 3.00; 4400;occ; 108; 0;35306  
 14; 4348.2; 30-NOV-2008 14:40:19; Bright; 38.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 77; 0;35306  
 15; 4921.2; 30-NOV-2008 14:49:52; Bright; 55.0; 62; 94Bet Leo ; 2.14; 9700;occ; 110; 0;35306  
 16; 5119.1; 30-NOV-2008 14:53:10; Bright; 41.5; 121; 29Gam Vir ; 2.74; 7200;occ; 83; 0;35306  
 17; 5458.4; 30-NOV-2008 14:58:49; Dark ; 45.5; 100; 4Gam Crv ; 2.58; 13100;occ; 91; 0;35306  
 18; 5554.1; 30-NOV-2008 15:00:25; Dark ; 46.5; 171; 2Eps Crv ; 3.00; 4250;occ; 93; 0;35306  
 19; 6441.4; 30-NOV-2008 15:15:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35306  
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 21; 6745.0; 30-NOV-2008 15:20:16; Dark ; 53.0; 70; Zet Pup ; 2.25; 39000;occ; 106; 0;35306  
 22; 6953.7; 30-NOV-2008 15:23:45; Dark ; 59.5; 117; Pi Pup ; 2.71; 3800;occ; 119; 0;35306  
 23; 7099.7; 30-NOV-2008 15:26:11; Dark ; 44.0; 88; 31Eta CMA ; 2.45; 20000;occ; 88; 0;35306  
 24; 7182.0; 30-NOV-2008 15:27:33; Dark ; 67.0; 23; 21Eps CMA ; 1.50; 26000;occ; 134; 0;35306

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 3; 1934.5; 30-NOV-2008 15:40:41; Dark ; 61.0; 30; 46Eps Ori ; 1.69; 30000;occ; 122; 0;35307  
 4; 2097.8; 30-NOV-2008 15:43:25; Dark ; 60.5; 27; 24Gam Ori ; 1.64; 26000;occ; 121; 0;35307  
 5; 2233.1; 30-NOV-2008 15:45:40; Bright; 54.0; 13; 87Alp Tau ; 0.87; 3800;occ; 108; 0;35307  
 6; 2471.5; 30-NOV-2008 15:49:38; Bright; 38.5; 150; 44Zet Per ; 2.89; 28000;occ; 77; 0;35307  
 7; 2617.1; 30-NOV-2008 15:52:04; Bright; 38.0; 149; 45Eps Per ; 2.89; 30000;occ; 76; 0;35307  
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