

# GOMOS Daily Report 15-JAN-2009

## Level 0 and Level 1 products

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

| Item                      | Value              |
|---------------------------|--------------------|
| Time of report generation | 18JAN2009 05:36:33 |
| Data source version       | GOMOS/5.00         |
| Start time of products    | 15JAN2009 00:01:35 |
| Stop time of products     | 15JAN2009 02:57:11 |
| 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)

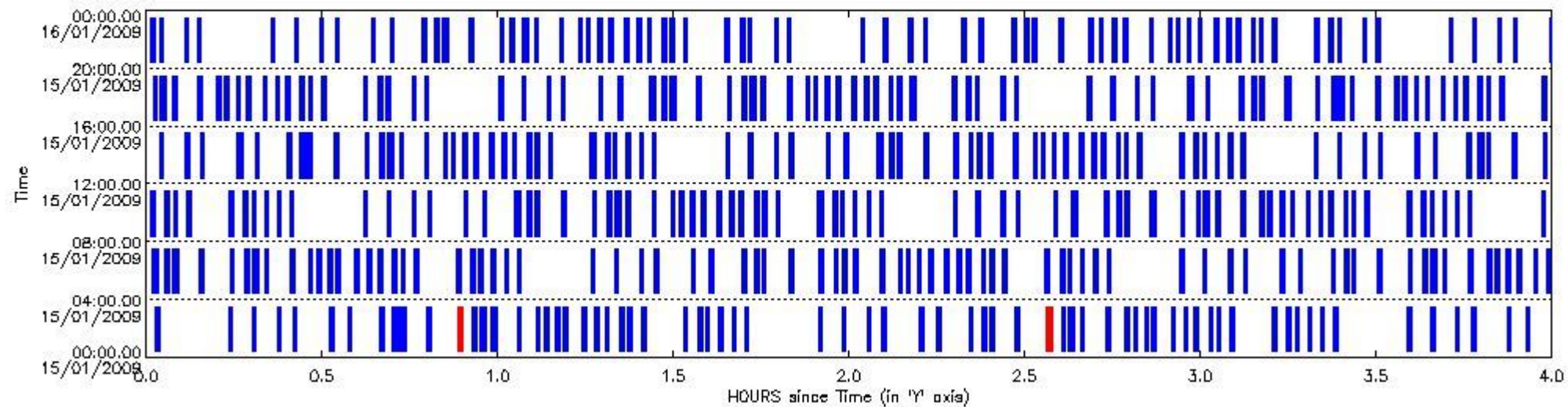
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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)

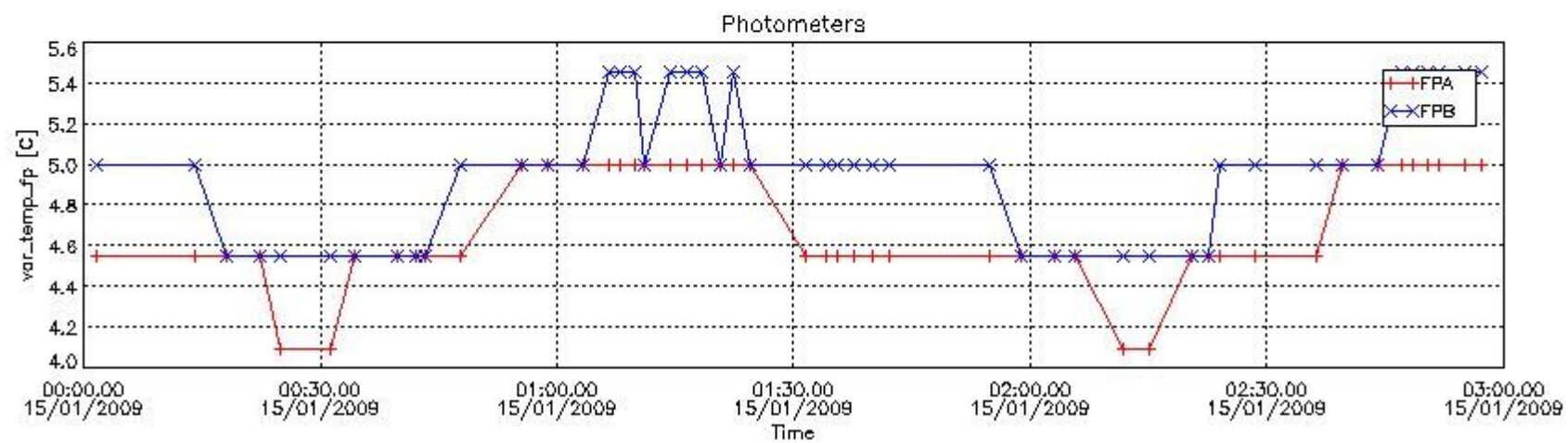
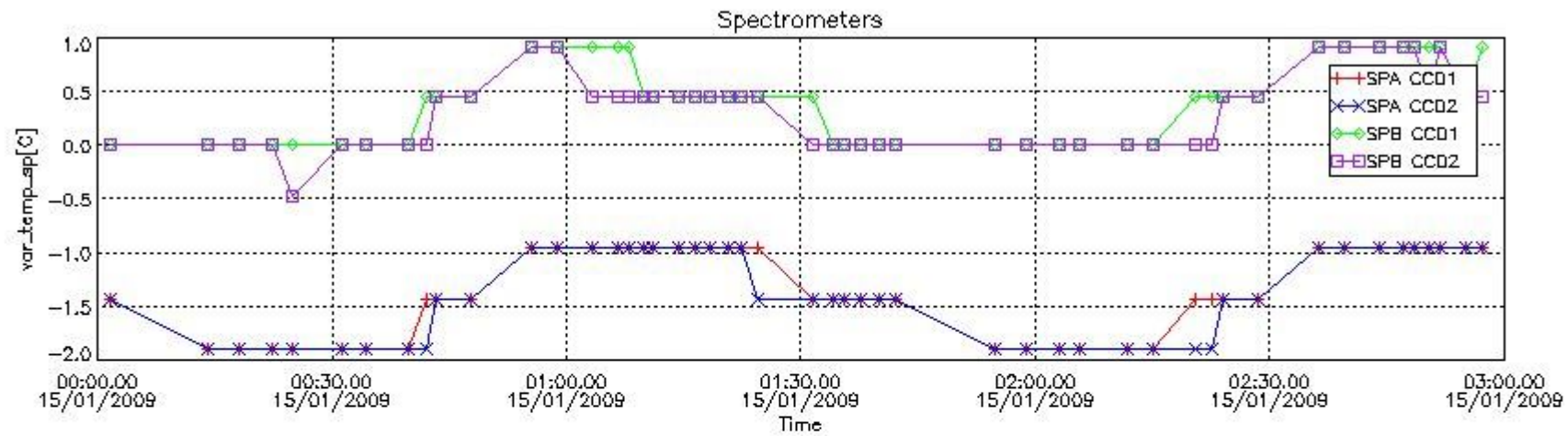
| UTC start time       | Star name | Star ID | Orbit |
|----------------------|-----------|---------|-------|
| 15-JAN-2009 00:53:06 | GamLup    | 131     | 35956 |
| 15-JAN-2009 02:33:42 | GamLup    | 131     | 35957 |

### 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_1PNPDE20090115_000135_000000362075_00331_35956_7565.N1 | 15-JAN-2009 00:01:35 | Bright | 35.500   | 42      | 34Bet Aur | 1.9000   | 10200.    | 71      | 35956 | No          |
| 2  | GOM_TRA_1PNPDE20090115_001408_000000362075_00331_35956_7566.N1 | 15-JAN-2009 00:14:08 | Bright | 35.500   | 49      | 1Alp UMi  | 1.9900   | 6300.0    | 71      | 35956 | No          |
| 3  | GOM_TRA_1PNPDE20090115_001807_000000372075_00331_35956_7567.N1 | 15-JAN-2009 00:18:07 | Bright | 37.000   | 60      | 7Bet UMi  | 2.0810   | 3950.0    | 74      | 35956 | No          |
| 4  | GOM_TRA_1PNPDE20090115_002225_000000382075_00331_35956_7568.N1 | 15-JAN-2009 00:22:25 | Bright | 38.000   | 119     | 14Eta Dra | 2.7270   | 4700.0    | 76      | 35956 | No          |
| 5  | GOM_TRA_1PNPDE20090115_002459_000000382075_00331_35956_7569.N1 | 15-JAN-2009 00:24:59 | Bright | 37.500   | 130     | 23Bet Dra | 2.7990   | 5800.0    | 75      | 35956 | No          |
| 6  | GOM_TRA_1PNPDE20090115_003116_000000542075_00331_35956_7570.N1 | 15-JAN-2009 00:31:16 | Bright | 54.000   | 133     | 40Zet Her | 2.8070   | 6000.0    | 108     | 35956 | No          |
| 7  | GOM_TRA_1PNPDE20090115_003422_000000372075_00331_35956_7571.N1 | 15-JAN-2009 00:34:22 | Bright | 37.000   | 127     | 27Bet Her | 2.7810   | 4700.0    | 74      | 35956 | No          |
| 8  | GOM_TRA_1PNPDE20090115_003952_000000422075_00331_35956_7572.N1 | 15-JAN-2009 00:39:52 | Bright | 42.000   | 102     | 24Alp Ser | 2.6000   | 4250.0    | 84      | 35956 | No          |
| 9  | GOM_TRA_1PNPDE20090115_004200_000000562075_00331_35956_7573.N1 | 15-JAN-2009 00:42:00 | Bright | 56.000   | 120     | 1Del Oph  | 2.7340   | 3200.0    | 112     | 35956 | No          |

|    |  |                      |            |        |     |           |           |        |     |       |    |
|----|--|----------------------|------------|--------|-----|-----------|-----------|--------|-----|-------|----|
| 10 | GOM_TRA_1PNPDE20090115_004322_000000532075_00331_35956_7574.N1 | 15-JAN-2009 00:43:22 | Bright     | 52.500 | 98  | 13Zet Oph | 2.5710    | 30000. | 105 | 35956 | No |
| 11 | GOM_TRA_1PNPDE20090115_004749_000000462075_00331_35956_7701.N1 | 15-JAN-2009 00:47:49 | Twilight   | 45.500 | 16  | 21Alp Sco | 1.0200    | 3000.0 | 91  | 35956 | No |
| 12 | GOM_TRA_1PNPDE20090115_005536_000000432075_00331_35956_7702.N1 | 15-JAN-2009 00:55:36 | Dark       | 42.500 | 81  | Eta Cen   | 2.3560    | 28000. | 85  | 35956 | No |
| 13 | GOM_TRA_1PNPDE20090115_005855_000000542075_00332_35957_7703.N1 | 15-JAN-2009 00:58:55 | Dark       | 53.500 | 4   | Alp1Cen   | -0.010000 | 5800.0 | 107 | 35957 | No |
| 14 | GOM_TRA_1PNPDE20090115_010318_000000402075_00332_35957_7704.N1 | 15-JAN-2009 01:03:18 | Dark       | 40.000 | 12  | Alp1Cru   | 0.77500   | 30000. | 80  | 35957 | No |
| 15 | GOM_TRA_1PNPDE20090115_010633_000000392075_00332_35957_7705.N1 | 15-JAN-2009 01:06:33 | Dark       | 39.000 | 124 | The Car   | 2.7640    | 30000. | 78  | 35957 | No |
| 16 | GOM_TRA_1PNPDE20090115_010755_000000422075_00332_35957_7706.N1 | 15-JAN-2009 01:07:55 | Dark       | 42.000 | 29  | Bet Car   | 1.6720    | 10200. | 84  | 35957 | No |
| 17 | GOM_TRA_1PNPDE20090115_010951_000000392075_00332_35957_7707.N1 | 15-JAN-2009 01:09:51 | Dark       | 39.000 | 71  | lot Car   | 2.2460    | 7700.0 | 78  | 35957 | No |
| 18 | GOM_TRA_1PNPDE20090115_011106_000000512075_00332_35957_7708.N1 | 15-JAN-2009 01:11:06 | Dark       | 50.500 | 41  | Eps Car   | 1.8600    | 4100.0 | 101 | 35957 | No |
| 19 | GOM_TRA_1PNPDE20090115_011426_000000422075_00332_35957_7709.N1 | 15-JAN-2009 01:14:26 | Dark       | 41.500 | 34  | Gam2Vel   | 1.7930    | 23000. | 83  | 35957 | No |
| 20 | GOM_TRA_1PNPDE20090115_011634_000000412075_00332_35957_7710.N1 | 15-JAN-2009 01:16:34 | Dark       | 40.500 | 70  | Zet Pup   | 2.2460    | 39000. | 81  | 35957 | No |
| 21 | GOM_TRA_1PNPDE20090115_011815_000000442075_00332_35957_7711.N1 | 15-JAN-2009 01:18:15 | Straylight | 43.500 | 117 | Pi Pup    | 2.7060    | 3800.0 | 87  | 35957 | No |
| 22 | GOM_TRA_1PNPDE20090115_012049_000000432075_00332_35957_7712.N1 | 15-JAN-2009 01:20:49 | Straylight | 43.000 | 23  | 21Eps CMa | 1.5020    | 26000. | 86  | 35957 | No |
| 23 | GOM_TRA_1PNPDE20090115_012214_000000412075_00332_35957_7713.N1 | 15-JAN-2009 01:22:14 | Straylight | 41.000 | 179 | 24Omi2CMa | 3.0320    | 24000. | 82  | 35957 | No |
| 24 | GOM_TRA_1PNPDE20090115_012427_000000482075_00332_35957_7714.N1 | 15-JAN-2009 01:24:27 | Straylight | 48.000 | 1   | 9Alp CMa  | -1.4400   | 11000. | 96  | 35957 | No |
| 25 | GOM_TRA_1PNPDE20090115_013138_000000462075_00332_35957_7715.N1 | 15-JAN-2009 01:31:38 | Twilight   | 46.000 | 14  | 58Alp Ori | 0.87000   | 3000.0 | 92  | 35957 | No |
| 26 | GOM_TRA_1PNPDE20090115_013409_000000512075_00332_35957_7716.N1 | 15-JAN-2009 01:34:09 | Bright     | 50.500 | 44  | 24Gam Gem | 1.9280    | 11000. | 101 | 35957 | No |
| 27 | GOM_TRA_1PNPDE20090115_013534_000000352075_00332_35957_7717.N1 | 15-JAN-2009 01:35:34 | Bright     | 35.000 | 176 | 23Zet Tau | 3.0200    | 22000. | 70  | 35957 | No |
| 28 | GOM_TRA_1PNPDE20090115_013743_000000382075_00332_35957_7718.N1 | 15-JAN-2009 01:37:43 | Bright     | 38.000 | 28  | 12Bet Tau | 1.6500    | 15200. | 76  | 35957 | No |
| 29 | GOM_TRA_1PNPDE20090115_014000_000000372075_00332_35957_7719.N1 | 15-JAN-2009 01:40:00 | Bright     | 37.000 | 107 | 37The Aur | 2.6490    | 11000. | 74  | 35957 | No |
| 30 | GOM_TRA_1PNPDE20090115_014211_000000362075_00332_35957_7720.N1 | 15-JAN-2009 01:42:11 | Bright     | 35.500 | 42  | 34Bet Aur | 1.9000    | 10200. | 71  | 35957 | No |
| 31 | GOM_TRA_1PNPDE20090115_015444_000000332075_00332_35957_7721.N1 | 15-JAN-2009 01:54:44 | Bright     | 32.500 | 49  | 1Alp UMi  | 1.9900    | 6300.0 | 65  | 35957 | No |
| 32 | GOM_TRA_1PNPDE20090115_015843_000000402075_00332_35957_7722.N1 | 15-JAN-2009 01:58:43 | Bright     | 39.500 | 60  | 7Bet UMi  | 2.0810    | 3950.0 | 79  | 35957 | No |
| 33 | GOM_TRA_1PNPDE20090115_020301_000000402075_00332_35957_7723.N1 | 15-JAN-2009 02:03:01 | Bright     | 39.500 | 119 | 14Eta Dra | 2.7270    | 4700.0 | 79  | 35957 | No |
| 34 | GOM_TRA_1PNPDE20090115_020535_000000392075_00332_35957_7724.N1 | 15-JAN-2009 02:05:35 | Bright     | 39.000 | 130 | 23Bet Dra | 2.7990    | 5800.0 | 78  | 35957 | No |
| 35 | GOM_TRA_1PNPDE20090115_021152_000000492075_00332_35957_7725.N1 | 15-JAN-2009 02:11:52 | Bright     | 48.500 | 133 | 40Zet Her | 2.8070    | 6000.0 | 97  | 35957 | No |
| 36 | GOM_TRA_1PNPDE20090115_021458_000000382075_00332_35957_7726.N1 | 15-JAN-2009 02:14:58 | Bright     | 38.000 | 127 | 27Bet Her | 2.7810    | 4700.0 | 76  | 35957 | No |
| 37 | GOM_TRA_1PNPDE20090115_022029_000000422075_00332_35957_7727.N1 | 15-JAN-2009 02:20:29 | Bright     | 41.500 | 102 | 24Alp Ser | 2.6000    | 4250.0 | 83  | 35957 | No |
| 38 | GOM_TRA_1PNPDE20090115_022236_000000562075_00332_35957_7859.N1 | 15-JAN-2009 02:22:36 | Bright     | 56.000 | 120 | 1Del Oph  | 2.7340    | 3200.0 | 112 | 35957 | No |
| 39 | GOM_TRA_1PNPDE20090115_022358_000000532075_00332_35957_7860.N1 | 15-JAN-2009 02:23:58 | Bright     | 53.000 | 98  | 13Zet Oph | 2.5710    | 30000. | 106 | 35957 | No |
| 40 | GOM_TRA_1PNPDE20090115_022826_000000432075_00332_35957_7861.N1 | 15-JAN-2009 02:28:26 | Twilight   | 43.000 | 16  | 21Alp Sco | 1.0200    | 3000.0 | 86  | 35957 | No |
| 41 | GOM_TRA_1PNPDE20090115_023612_000000462075_00332_35957_7862.N1 | 15-JAN-2009 02:36:12 | Dark       | 46.000 | 81  | Eta Cen   | 2.3560    | 28000. | 92  | 35957 | No |
| 42 | GOM_TRA_1PNPDE20090115_023932_000000422075_00333_35958_7863.N1 | 15-JAN-2009 02:39:32 | Dark       | 41.500 | 4   | Alp1Cen   | -0.010000 | 5800.0 | 83  | 35958 | No |
| 43 | GOM_TRA_1PNPDE20090115_024354_000000412075_00333_35958_7864.N1 | 15-JAN-2009 02:43:54 | Dark       | 40.500 | 12  | Alp1Cru   | 0.77500   | 30000. | 81  | 35958 | No |
| 44 | GOM_TRA_1PNPDE20090115_024709_000000392075_00333_35958_7865.N1 | 15-JAN-2009 02:47:09 | Dark       | 39.000 | 124 | The Car   | 2.7640    | 30000. | 78  | 35958 | No |
| 45 | GOM_TRA_1PNPDE20090115_024832_000000472075_00333_35958_7866.N1 | 15-JAN-2009 02:48:32 | Dark       | 46.500 | 29  | Bet Car   | 1.6720    | 10200. | 93  | 35958 | No |
| 46 | GOM_TRA_1PNPDE20090115_025027_000000442075_00333_35958_7867.N1 | 15-JAN-2009 02:50:27 | Dark       | 43.500 | 71  | lot Car   | 2.2460    | 7700.0 | 87  | 35958 | No |
| 47 | GOM_TRA_1PNPDE20090115_025142_000000402075_00333_35958_7868.N1 | 15-JAN-2009 02:51:42 | Dark       | 39.500 | 41  | Eps Car   | 1.8600    | 4100.0 | 79  | 35958 | No |
| 48 | GOM_TRA_1PNPDE20090115_025502_000000422075_00333_35958_7869.N1 | 15-JAN-2009 02:55:02 | Dark       | 41.500 | 34  | Gam2Vel   | 1.7930    | 23000. | 83  | 35958 | No |
| 49 | GOM_TRA_1PNPDE20090115_025711_000000412075_00333_35958_7870.N1 | 15-JAN-2009 02:57:11 | Dark       | 40.500 | 70  | Zet Pup   | 2.2460    | 39000. | 81  | 35958 | No |

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



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

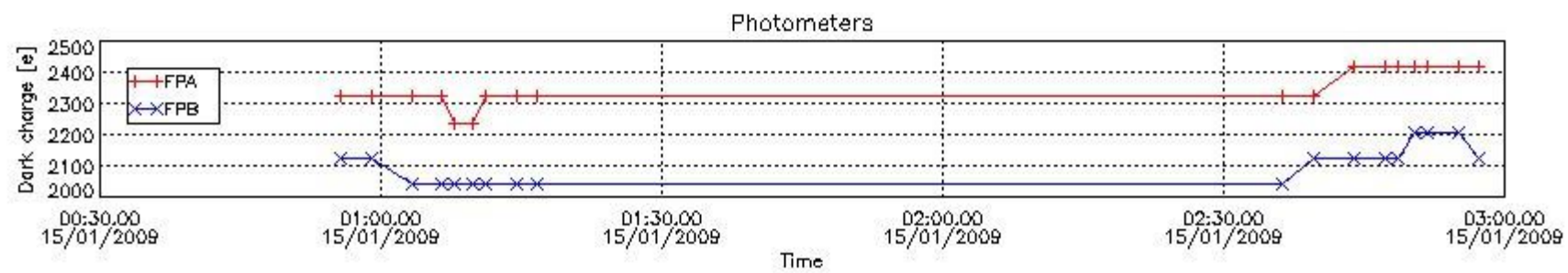
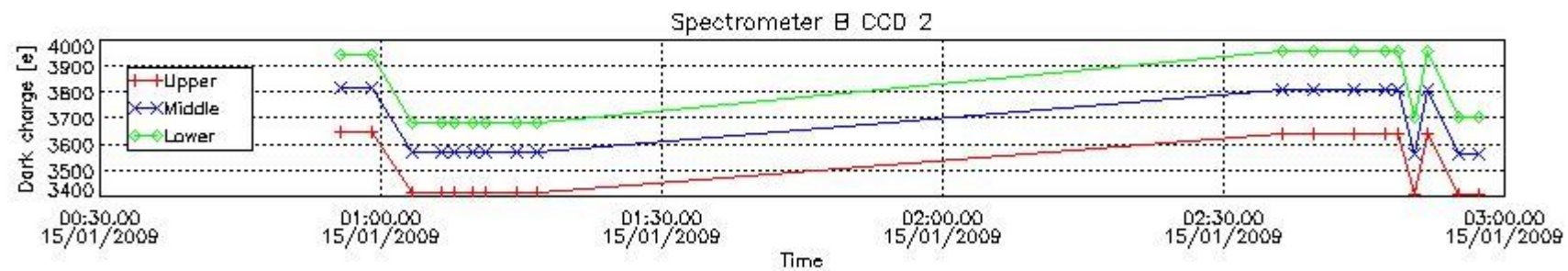
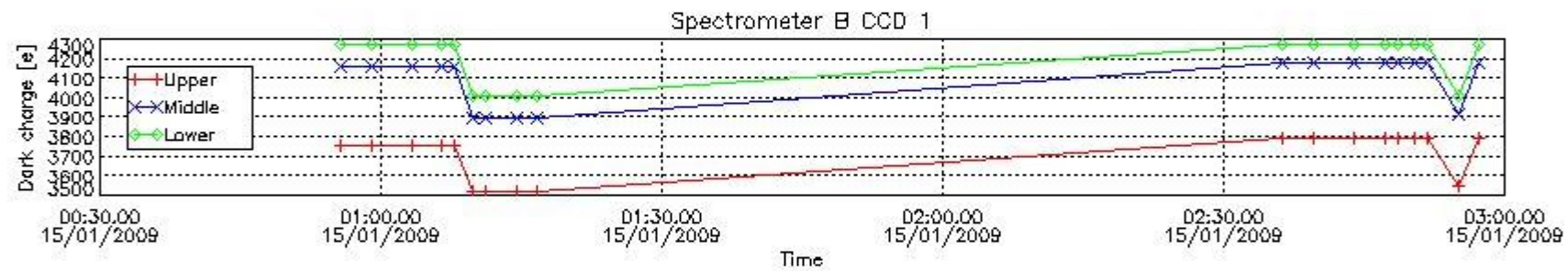
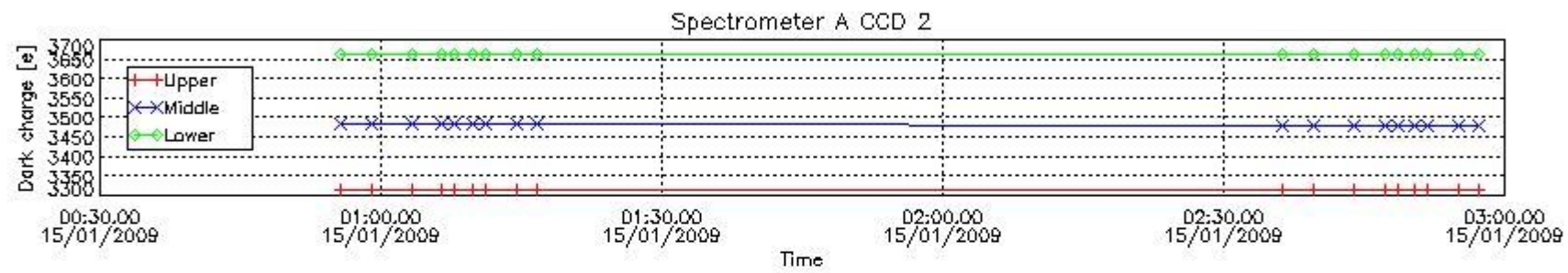
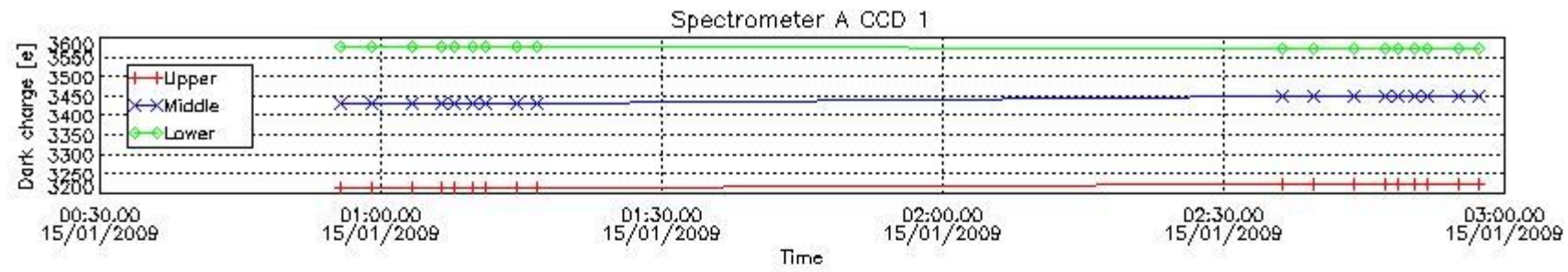
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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





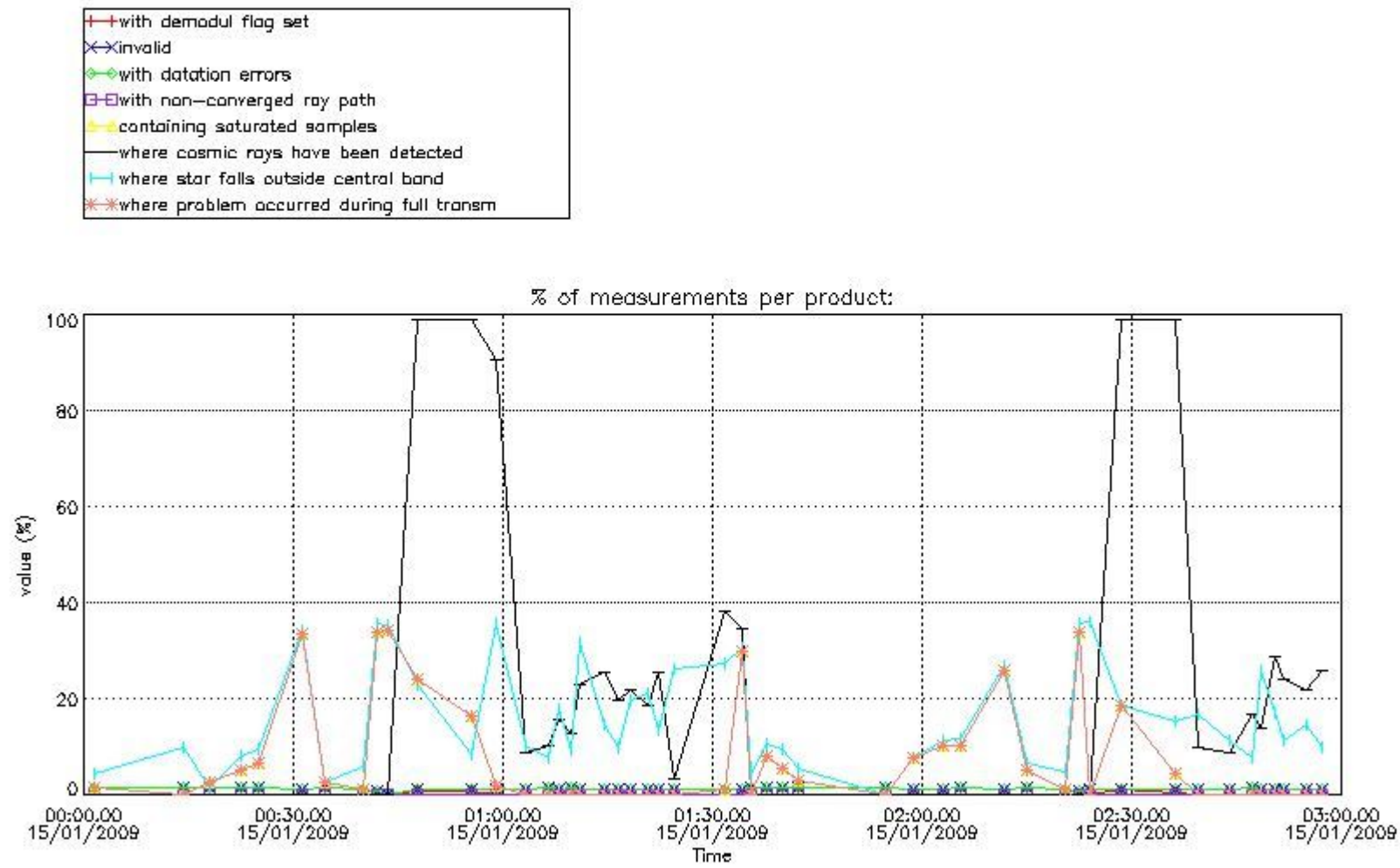
## 5. Demodulation flag and quality information monitoring

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:

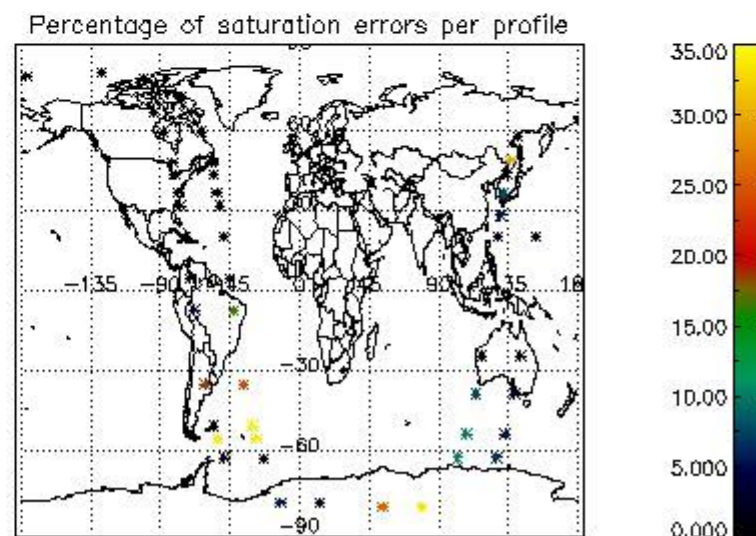
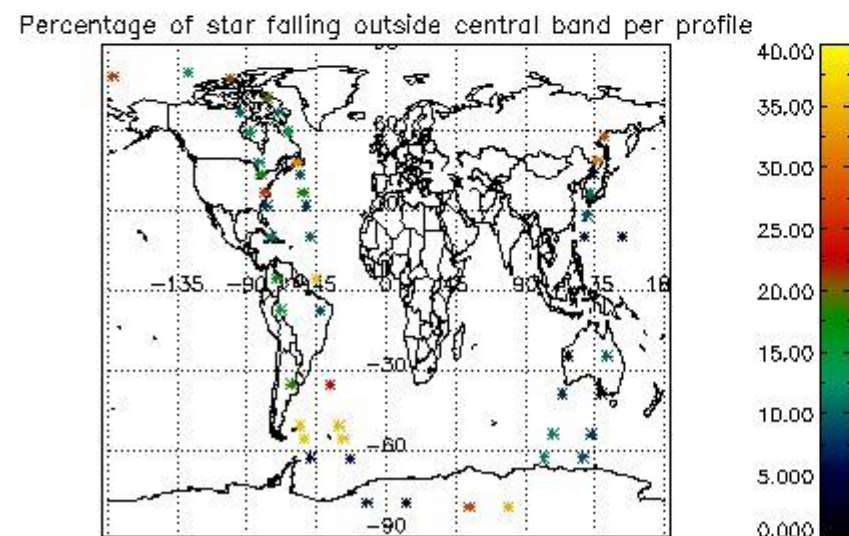
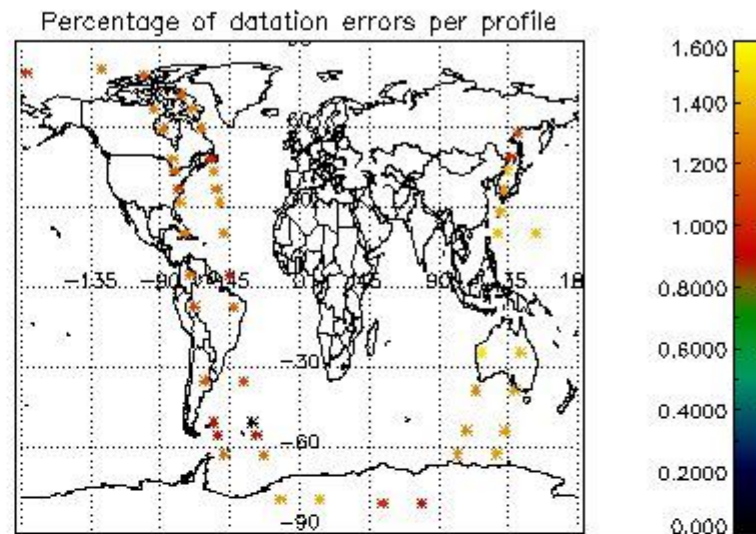
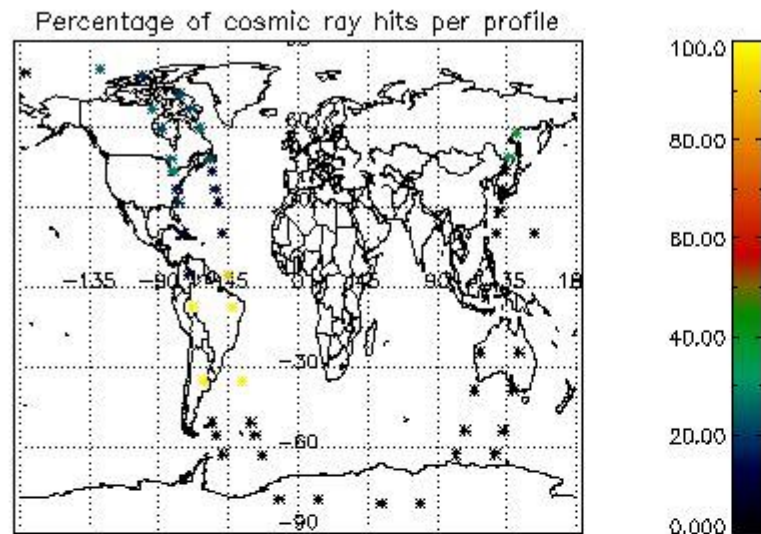
|   |           |
|---|-----------|
| At least one measurement with demodulation flag set:  | 22.4490 % |
| Reference spectrum computed from DB:                  | 0.00000 % |
| Reference spectrum with small number of measurements: | 0.00000 % |
| SATU data not used:                                   | 0.00000 % |

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)





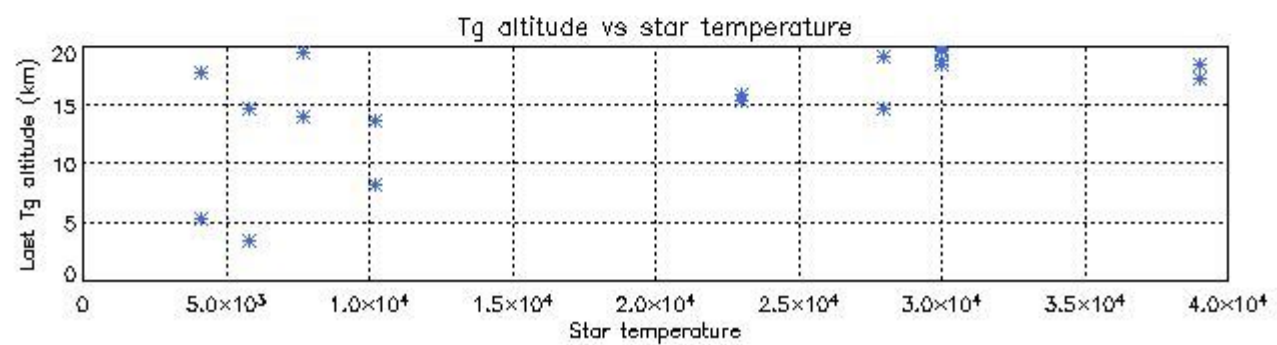
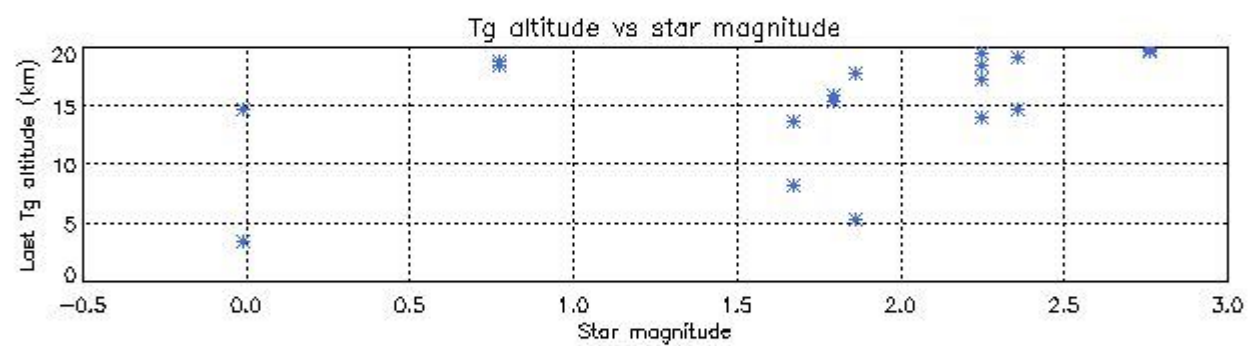
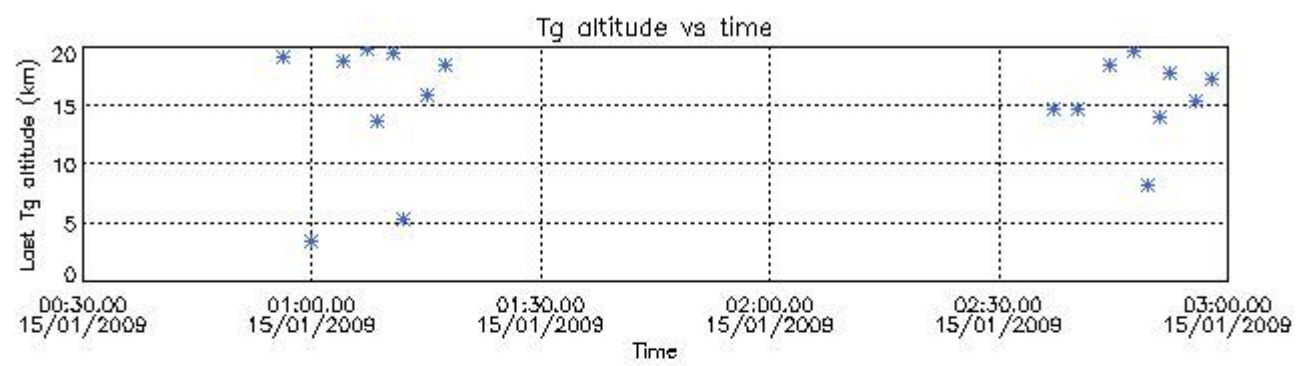
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

| Statistics      | DARK   | BRIGHT | TWILIGHT |
|-----------------|--------|--------|----------|
| Mean:           | 15.217 | 16.231 | NaN      |
| St. deviation:  | 4.9190 | 7.7087 | NaN      |
| Maximum:        | 19.820 | 29.547 | NaN      |
| Minimum:        | 3.4487 | 3.9887 | NaN      |
| Number of data: | 18.000 | 24.000 | NaN      |

### 6.2 Plot for DARK limb products

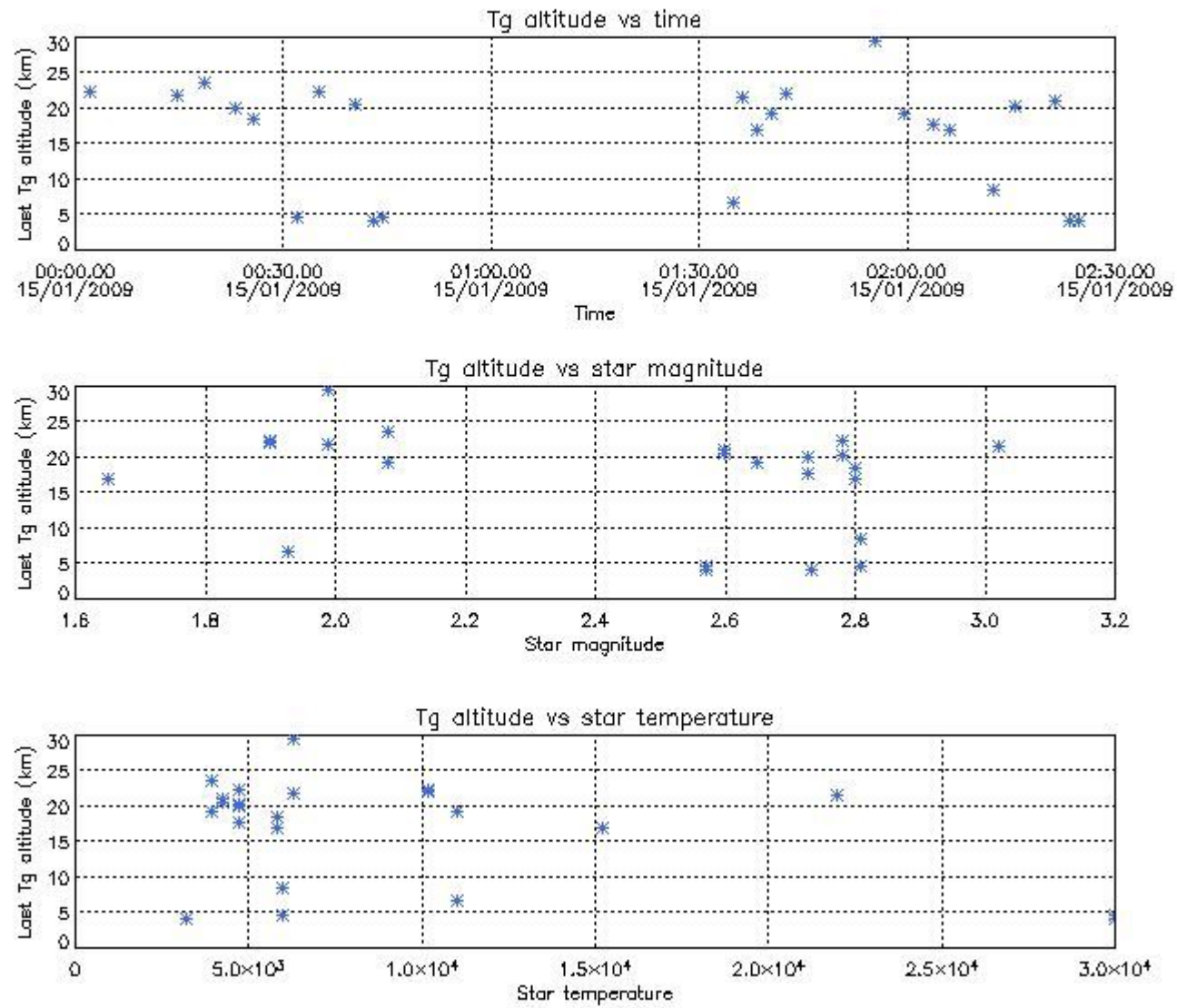
Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products



Tangent altitude at which the star is lost

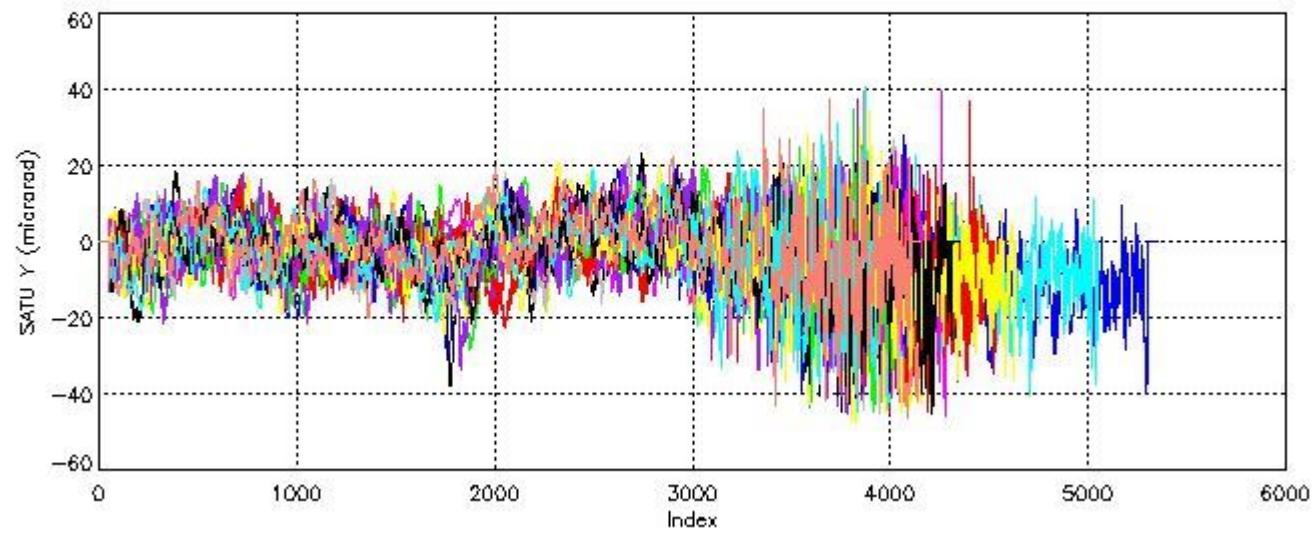
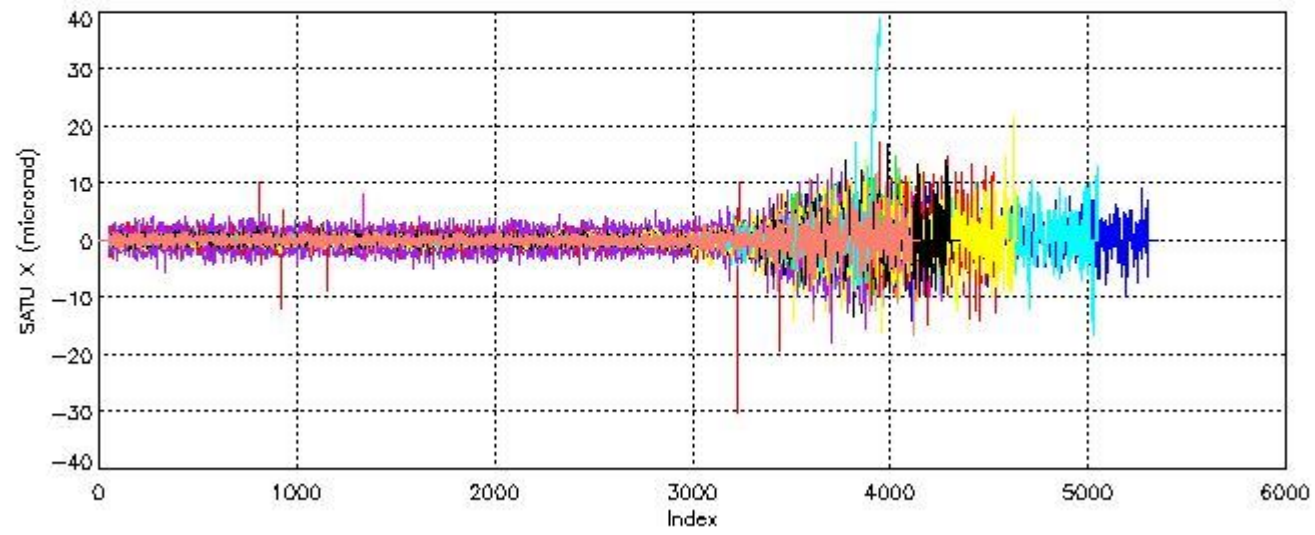


## 7. Star Acquisition and Tracking Unit (SATU)

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:          | 0.10117    | -0.32513   | 0.067910   | -0.69978   |
| St. deviation: | 0.66019    | 6.0352     | 0.75200    | 6.2823     |
| Maximum:       | 10.000     | 18.400     | 5.6000     | 18.100     |
| Minimum:       | -12.000    | -23.900    | -4.7000    | -24.900    |

|                 |        |        |        |        |
|-----------------|--------|--------|--------|--------|
| Number of data: | 16600. | 16600. | 21000. | 21000. |
|-----------------|--------|--------|--------|--------|

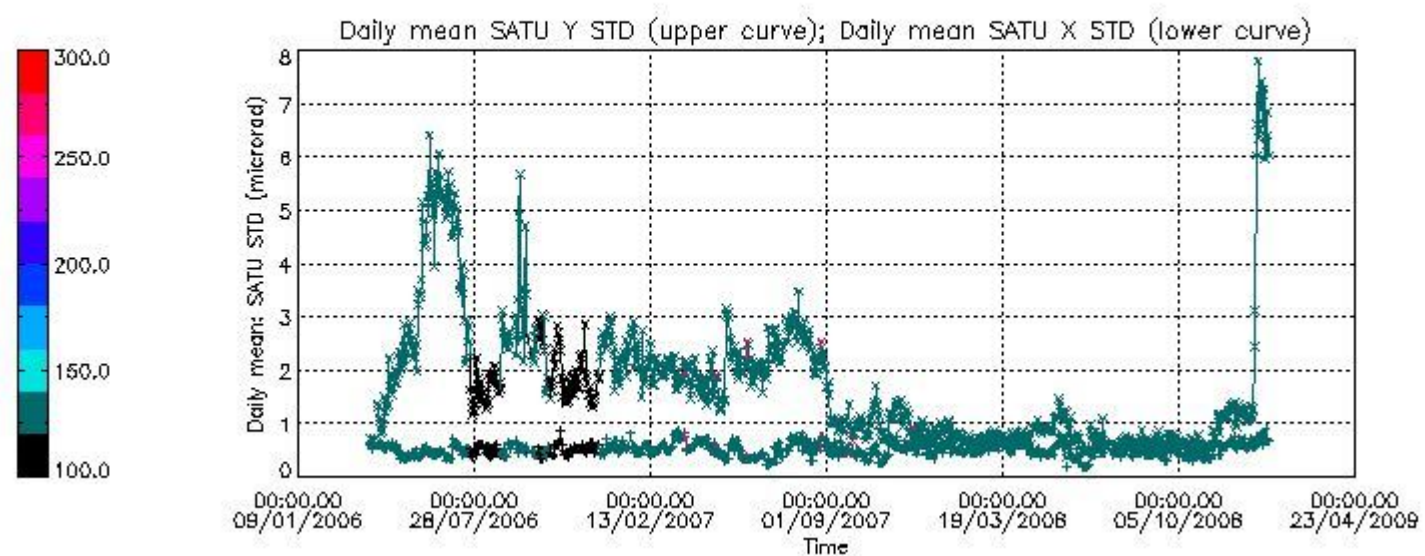
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

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

Upper curve: STD of SATU Y axis

Lower curve: STD of SATU X axis

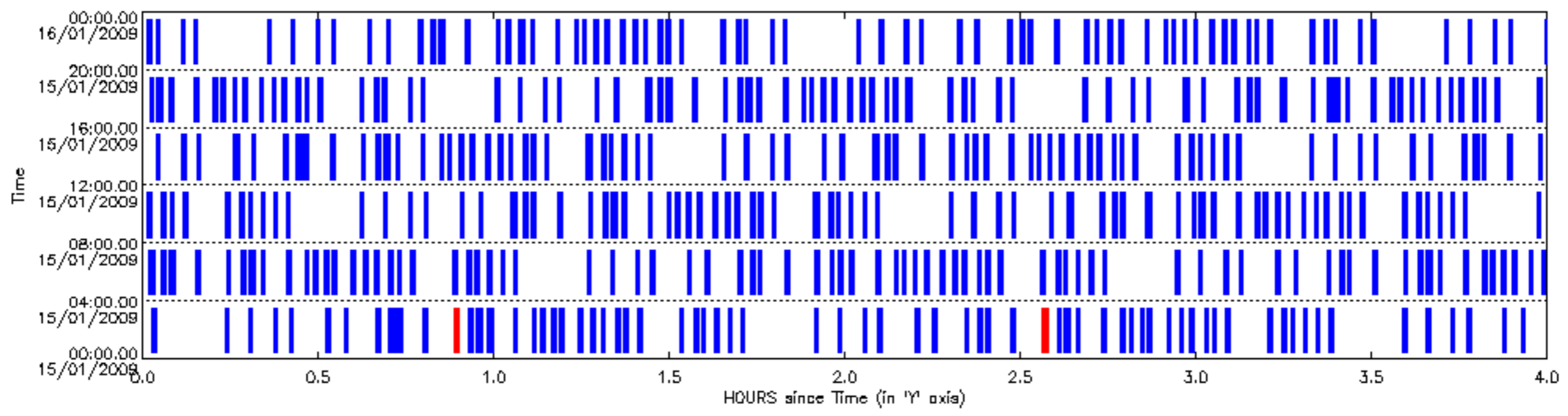


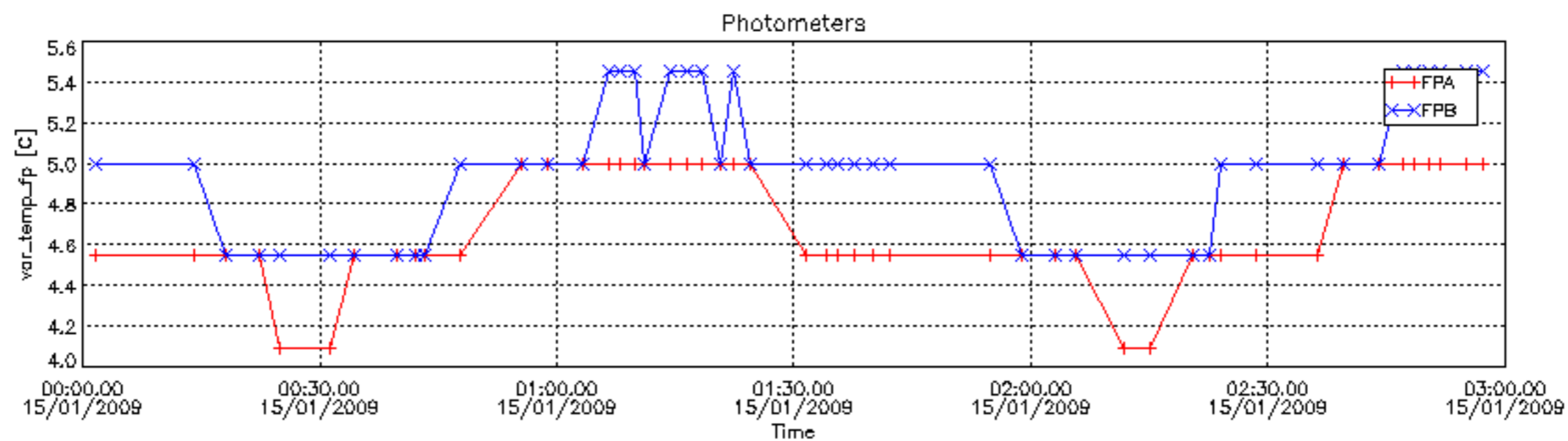
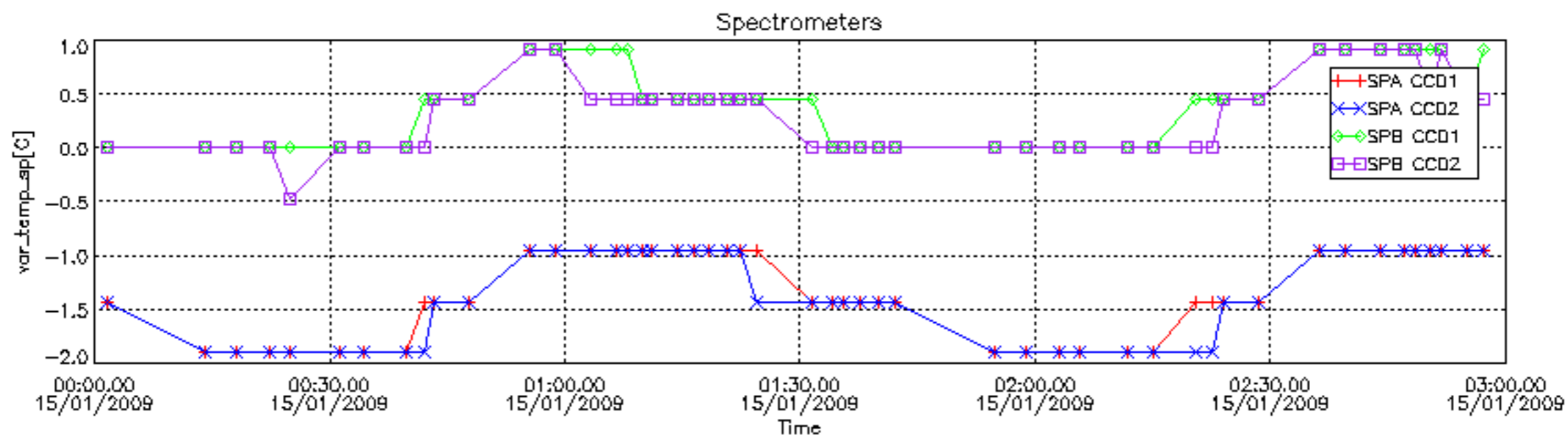
### 8. Auxiliary Data Files used for the production reported in section 2.4

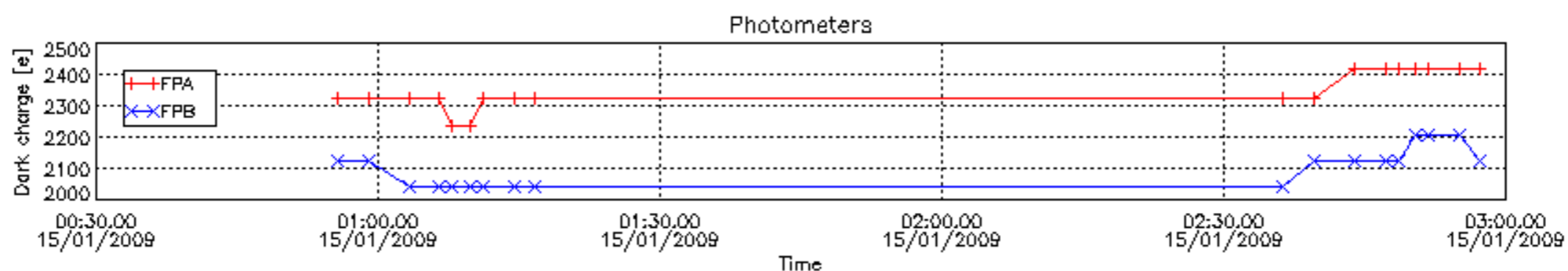
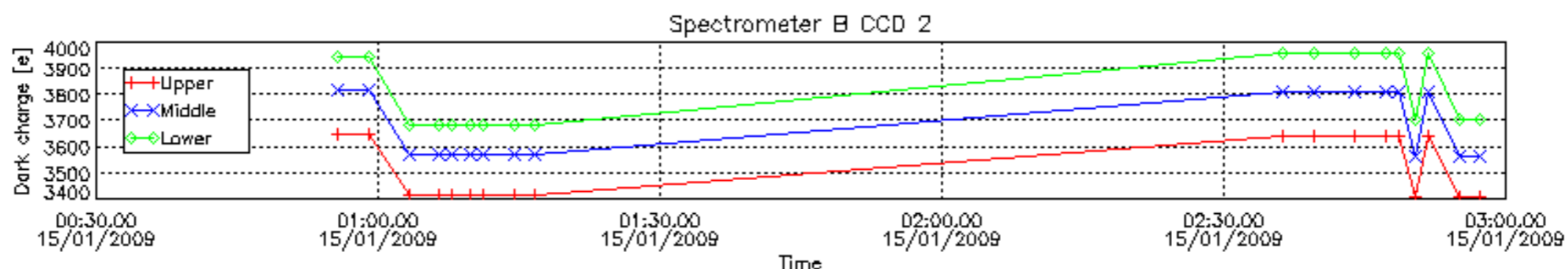
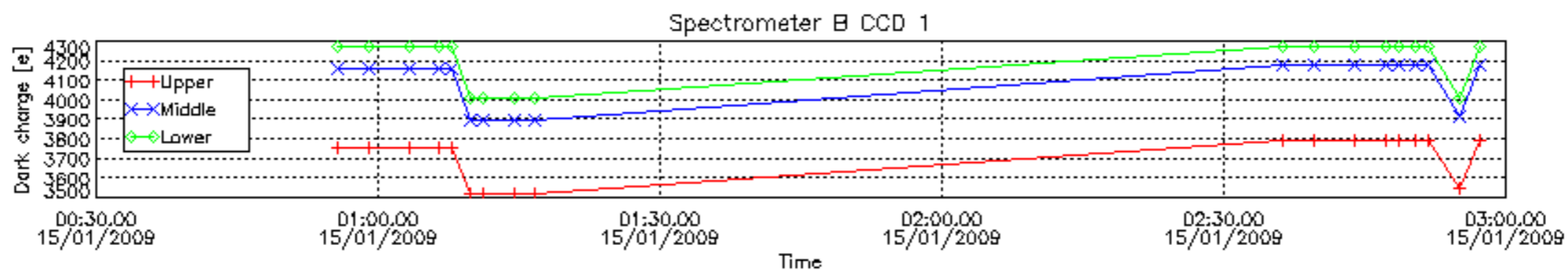
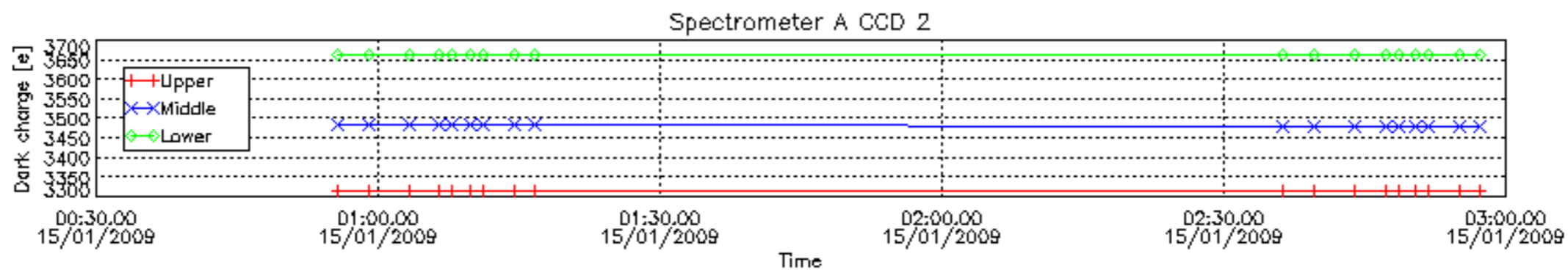
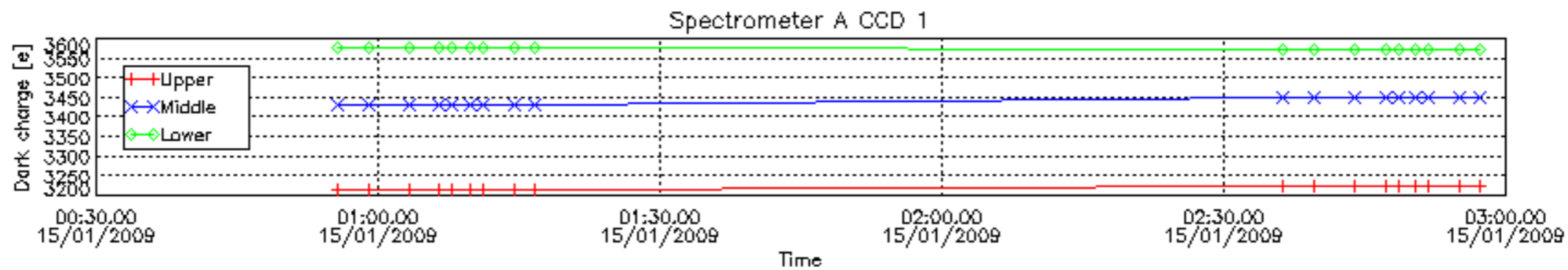
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

| Type                      | Auxiliary Filename   | Used since product | Used since product date |
|---------------------------|--|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000  | 1                  | 15-JAN-2009 00:01:35    |
| CALIBRATION_DATABASE      | GOM_CAL_AXVIEC20090113_094413_20090111_000000_20100101_000000  | 1                  | 15-JAN-2009 00:01:35    |
| LEVEL-1B_PROC_CONFIG      | GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000  | 1                  | 15-JAN-2009 00:01:35    |
| STAR_CATALOGUE            | GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000  | 1                  | 15-JAN-2009 00:01:35    |
| STELLAR_SPECTRA_DATABANK  | GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000  | 1                  | 15-JAN-2009 00:01:35    |
| ECMWF_FILE                | AUX_ECF_AXNECM20090114_062111_20090114_210000_20090115_090000  | 1                  | 15-JAN-2009 00:01:35    |
| OPTIONAL_ECMWF_FILE       | MISSING  | 1                  | 15-JAN-2009 00:01:35    |
| ORBIT_DATA_FILE           | DOR_NAV_OPNPDE20090114_211831_000060572075_00329_35954_7163.N1 | 1                  | 15-JAN-2009 00:01:35    |
| ORBIT_DATA_FILE           | DOR_NAV_OPNPDE20090114_230446_000057382075_00330_35955_7164.N1 | 11                 | 15-JAN-2009 00:47:49    |
| ORBIT_DATA_FILE           | DOR_NAV_OPNPDE20090115_004025_000057382075_00331_35956_7165.N1 | 38                 | 15-JAN-2009 02:22:36    |

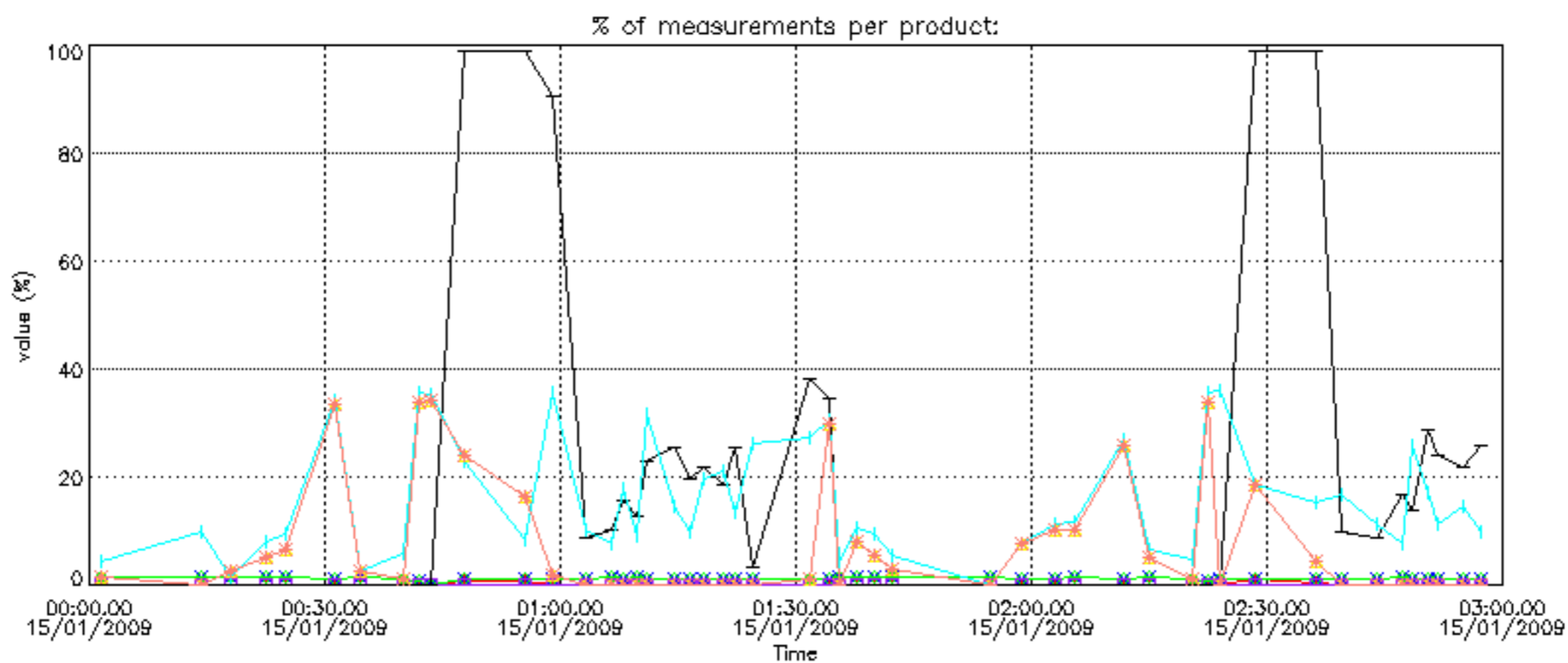




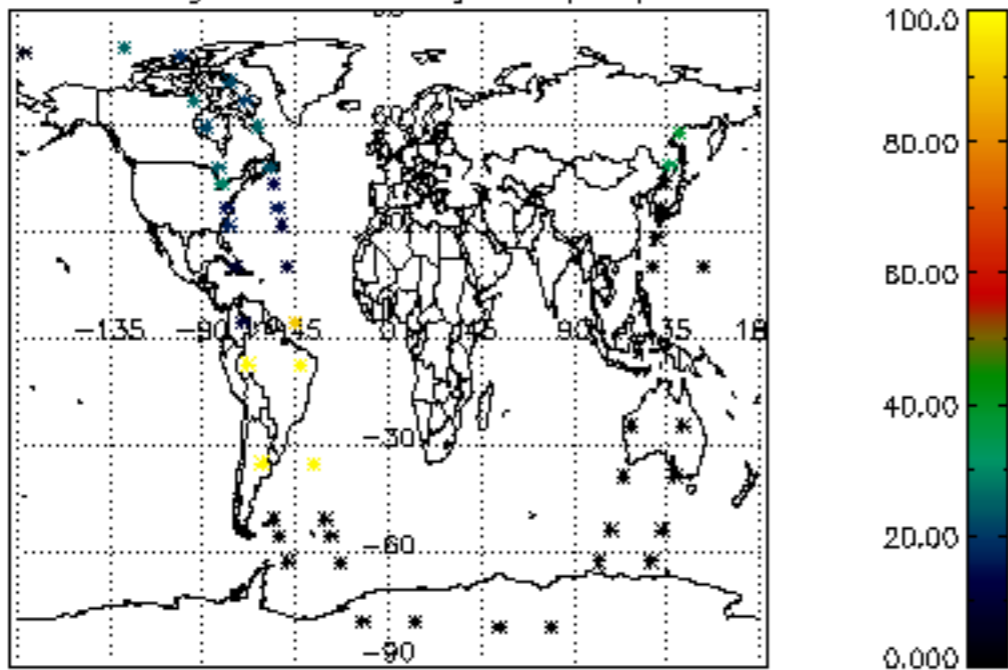




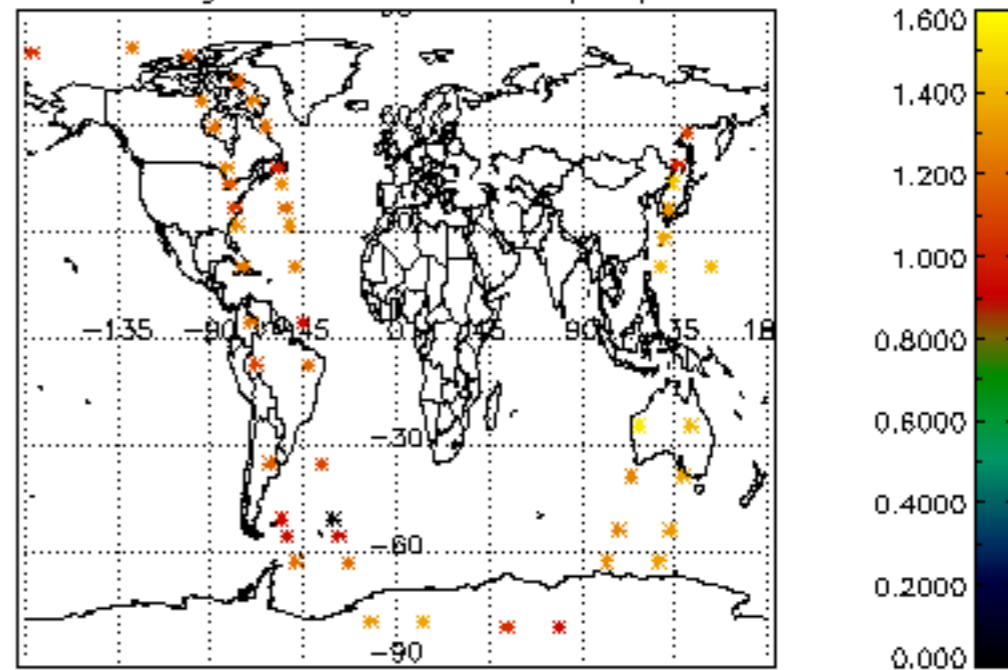




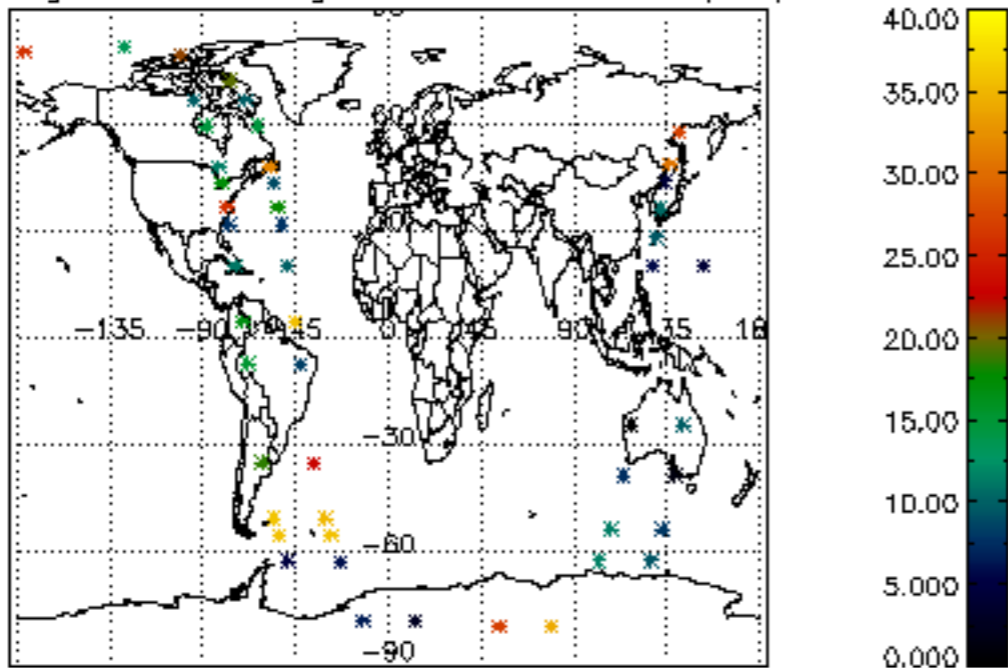
Percentage of cosmic ray hits per profile



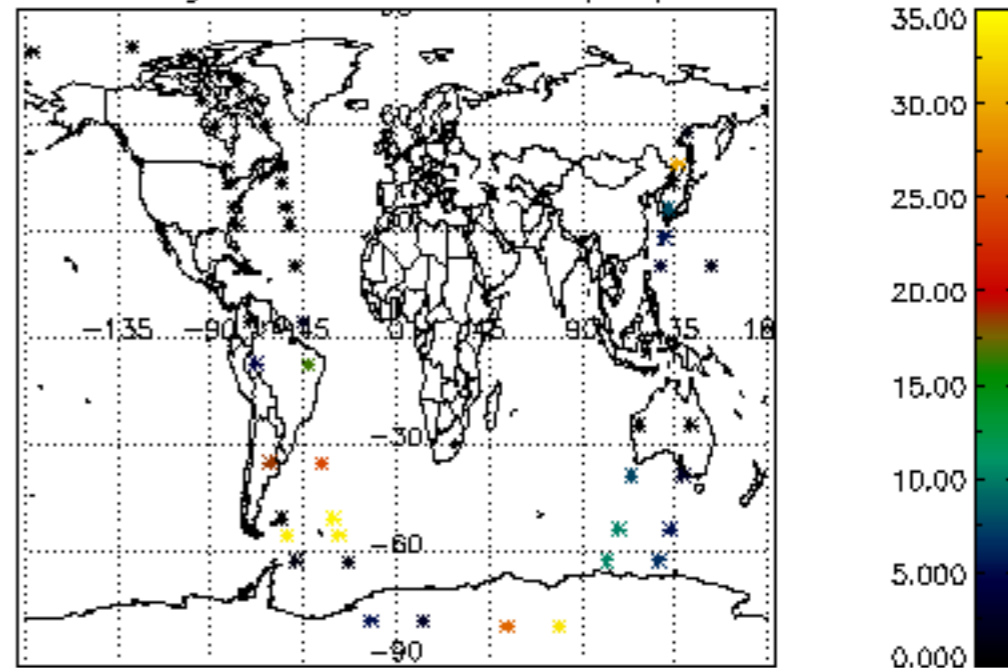
Percentage of datation errors per profile



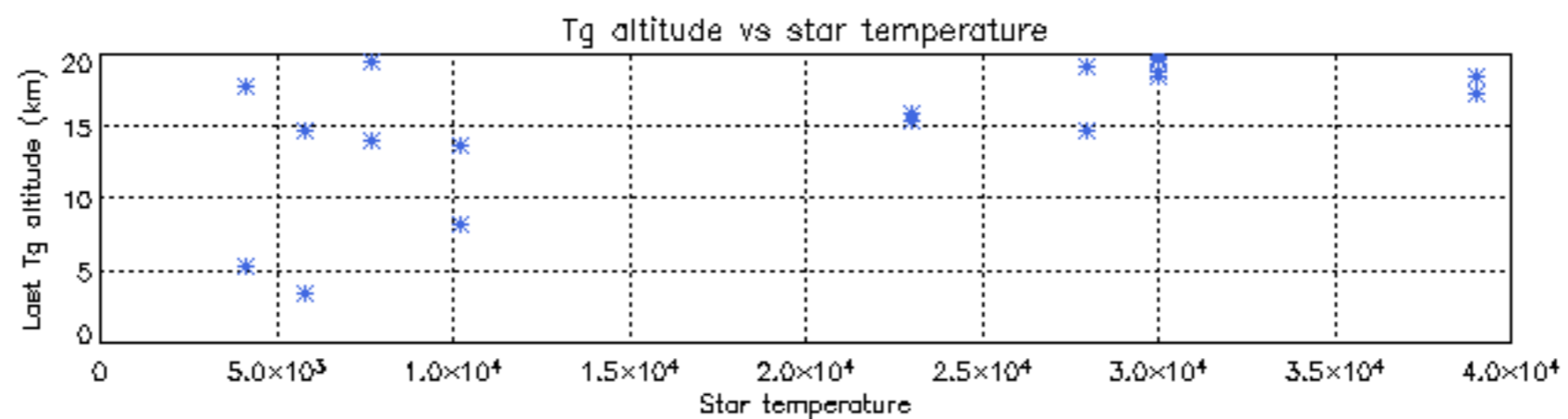
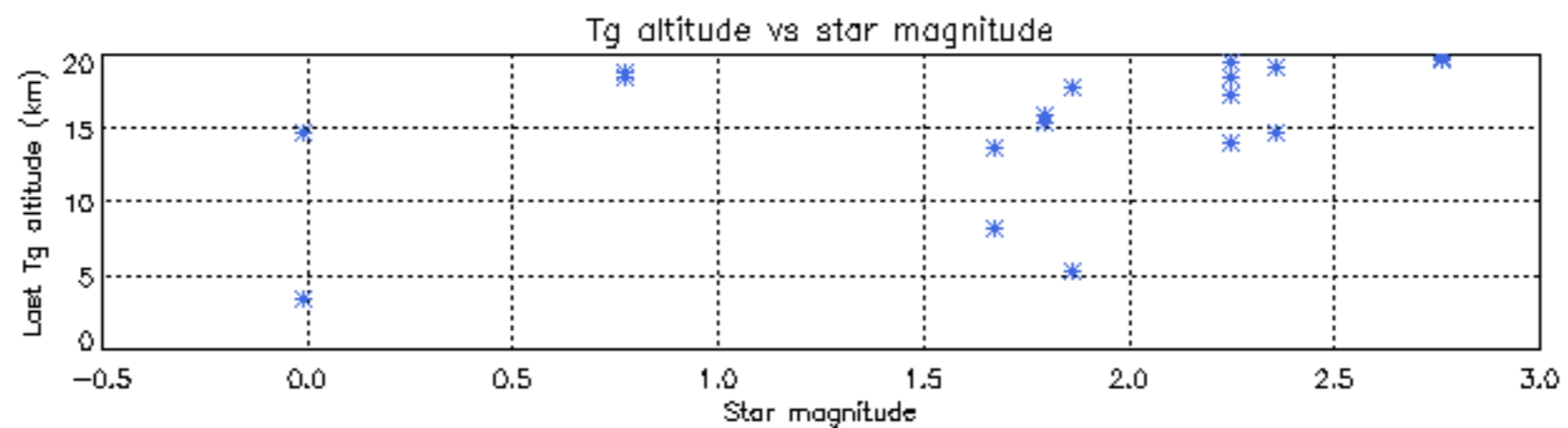
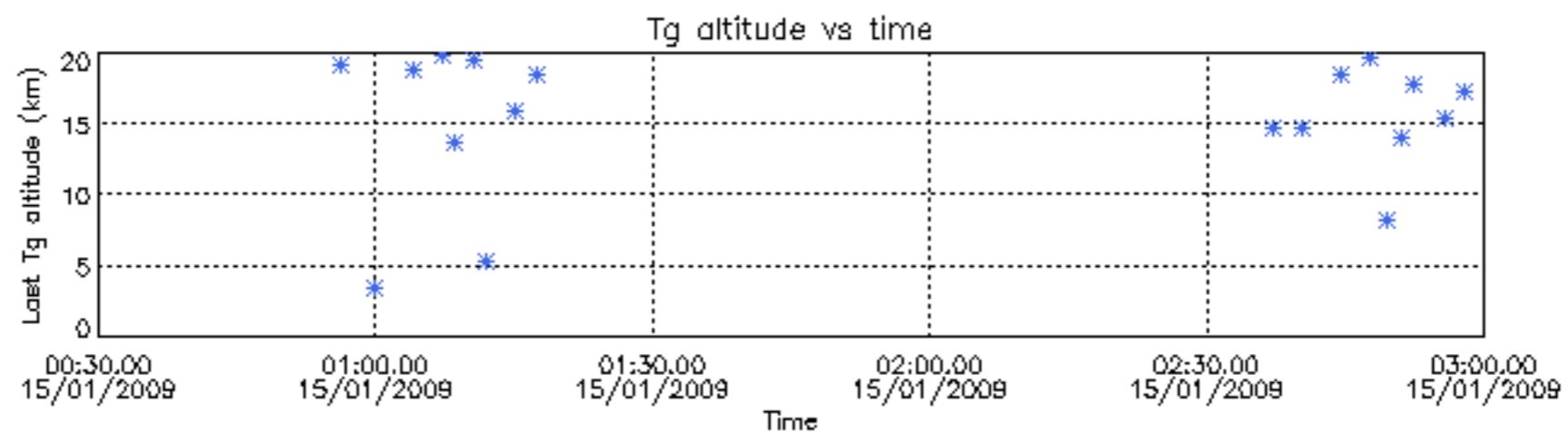
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

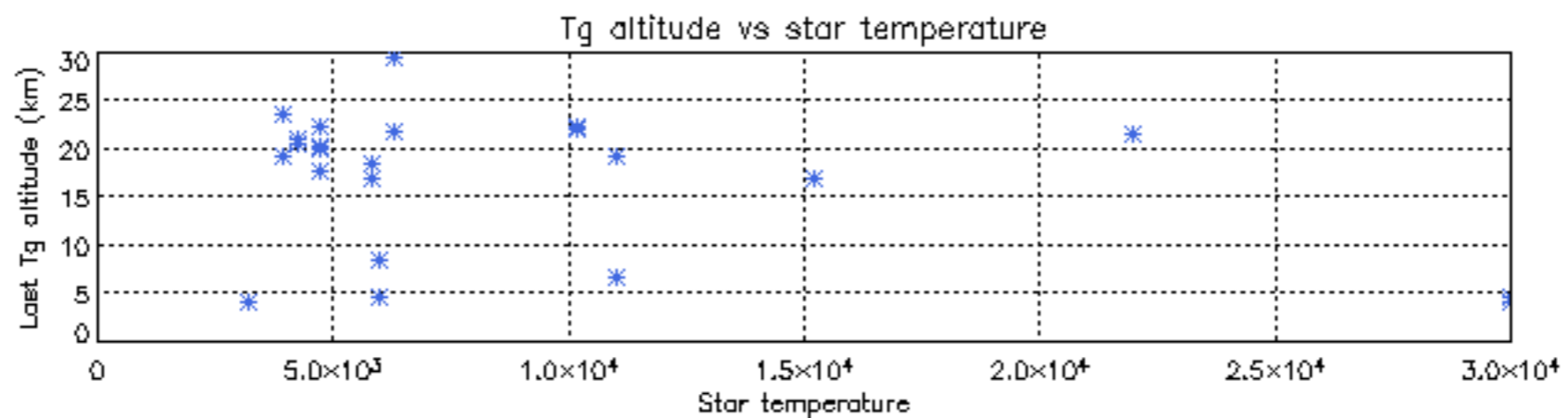
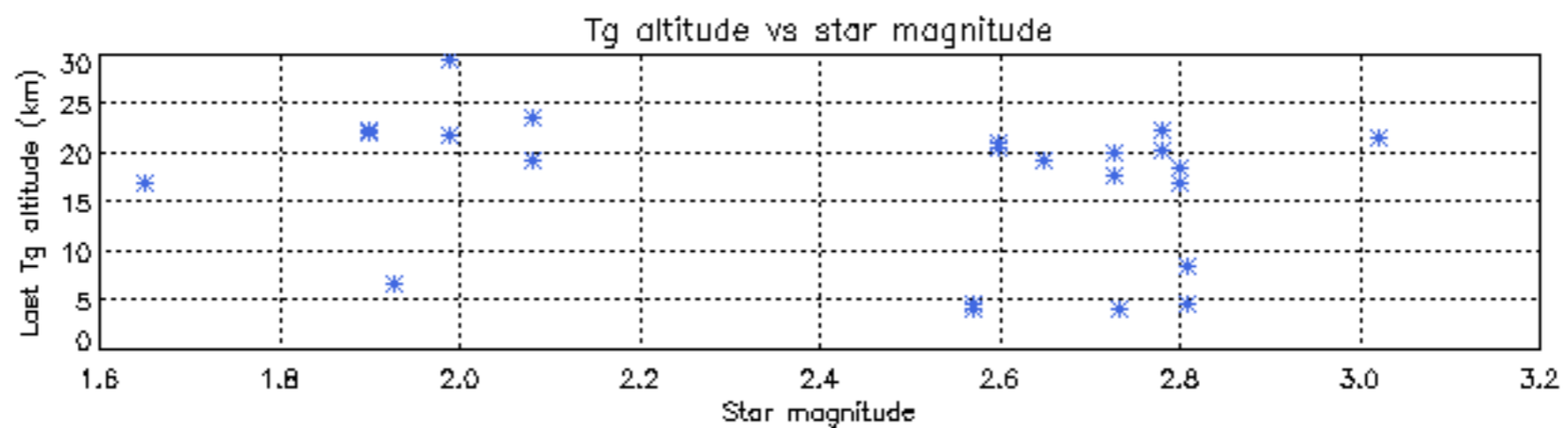
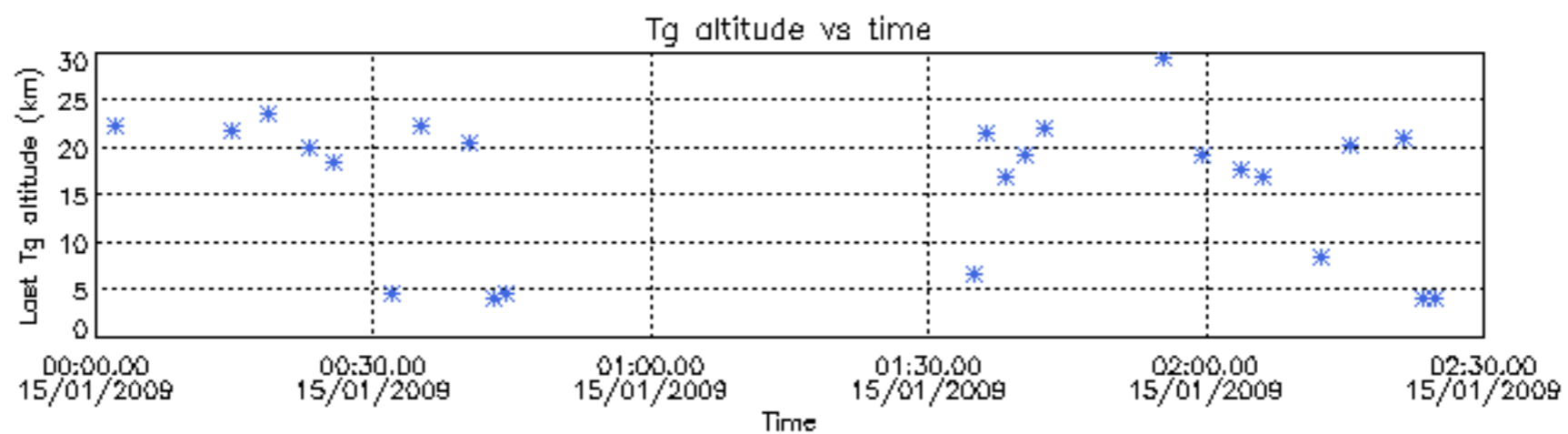


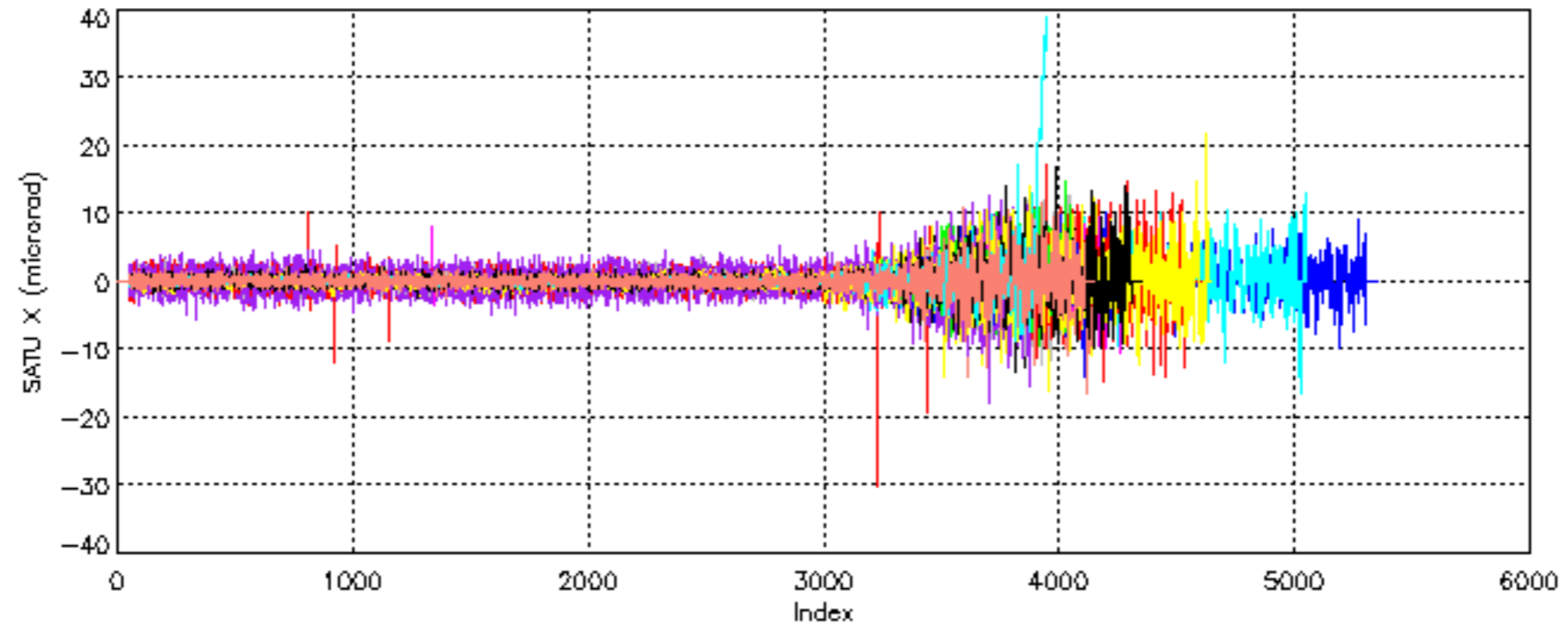
Tangent altitude at which the star is lost

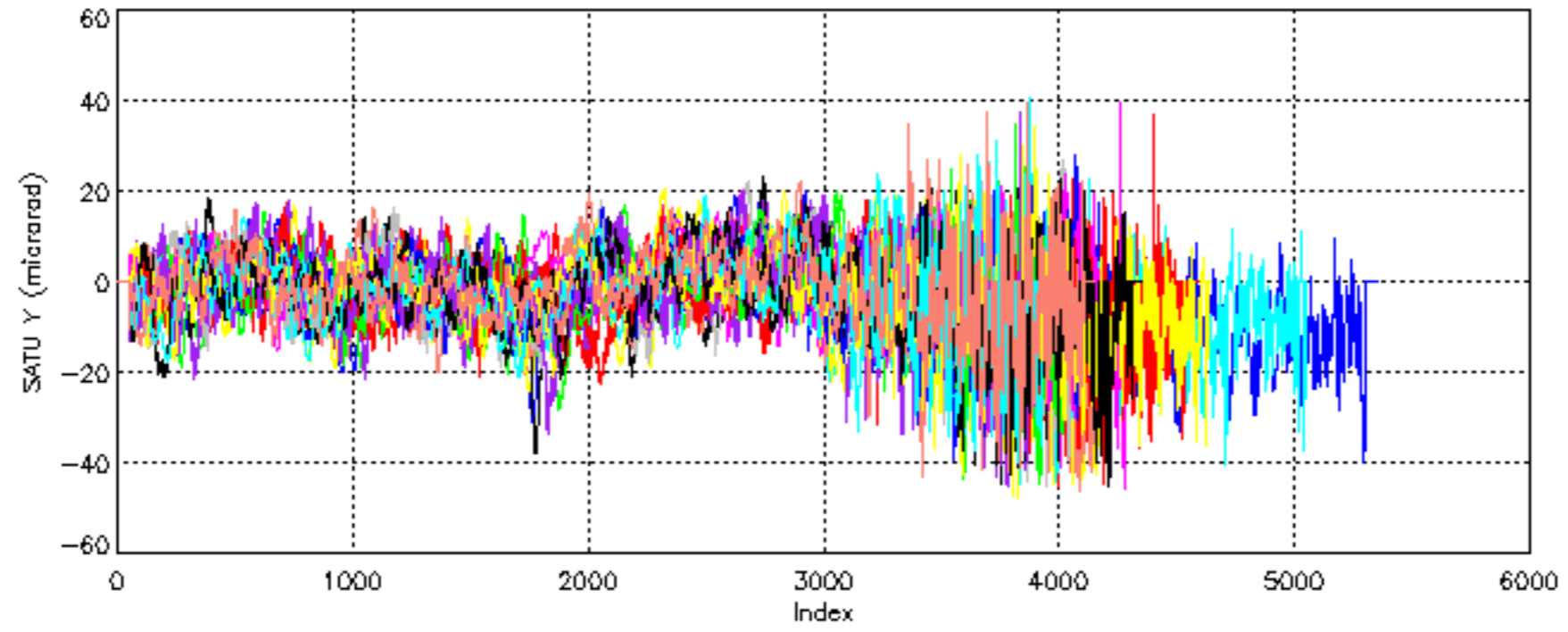


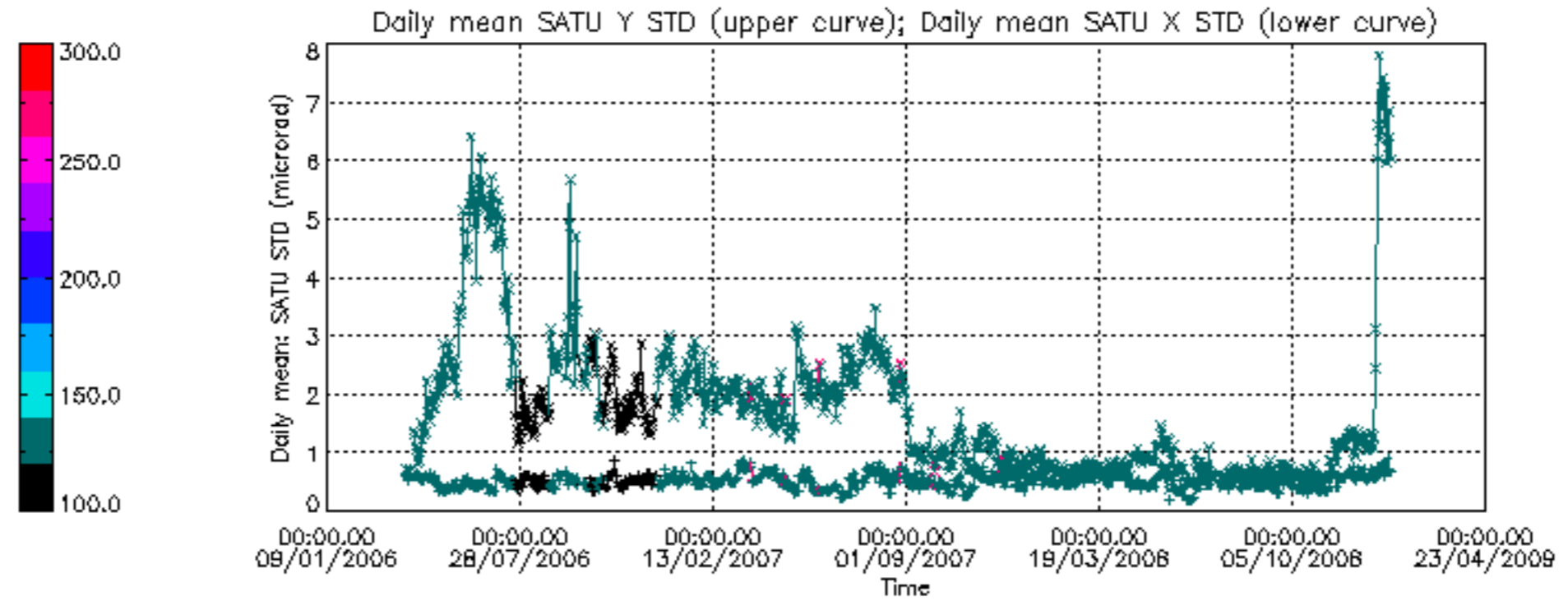


Tangent altitude at which the star is lost











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 4; 432.4; 01-JAN-2009 01:45:07; Dark ; 39.0; 124; The Car ; 2.76; 30000;occ; 78; 0;35757  
 5; 548.6; 01-JAN-2009 01:47:03; Dark ; 39.0; 29; Bet Car ; 1.67; 10200;occ; 78; 0;35757  
 6; 632.8; 01-JAN-2009 01:48:27; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;35757  
 7; 727.3; 01-JAN-2009 01:50:02; Dark ; 52.5; 41; Eps Car ; 1.86; 4100;occ; 105; 0;35757  
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 10; 1341.9; 01-JAN-2009 02:00:16; Dark ; 43.0; 23; 21Eps CMA ; 1.50; 26000;occ; 86; 0;35757  
 11; 1434.6; 01-JAN-2009 02:01:49; Dark ; 44.0; 179; 240mi2CMA ; 3.03; 24000;occ; 88; 0;35757  
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 13; 1770.1; 01-JAN-2009 02:07:24; Dark ; 44.0; 7; 19Bet Ori ; 0.10; 14000;occ; 88; 0;35757  
 14; 1881.7; 01-JAN-2009 02:09:16; Dark ; 41.0; 30; 46Eps Ori ; 1.69; 30000;occ; 82; 0;35757  
 15; 2032.5; 01-JAN-2009 02:11:47; Dark ; 48.5; 14; 58Alp Ori ; 0.87; 3000;occ; 97; 0;35757  
 16; 2270.6; 01-JAN-2009 02:15:45; Bright; 38.5; 176; 23Zet Tau ; 3.02; 22000;occ; 77; 0;35757  
 17; 2396.8; 01-JAN-2009 02:17:51; Bright; 38.5; 28; 12Bet Tau ; 1.65; 15200;occ; 77; 0;35757  
 18; 2472.2; 01-JAN-2009 02:19:07; Bright; 37.0; 114; 3Iot Aur ; 2.69; 4600;occ; 74; 0;35757  
 19; 2565.7; 01-JAN-2009 02:20:40; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;35757  
 20; 2692.3; 01-JAN-2009 02:22:47; Bright; 40.0; 6; 13Alp Aur ; 0.08; 3400;occ; 80; 0;35757  
 21; 3423.1; 01-JAN-2009 02:34:57; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;35757  
 22; 3690.5; 01-JAN-2009 02:39:25; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;35757

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 10; 214.8; 01-JAN-2009 03:22:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35758  
 11; 433.3; 01-JAN-2009 03:25:44; Dark ; 26.5; 124; The Car ; 2.76; 30000;occ; 53; 0;35758  
 12; 549.2; 01-JAN-2009 03:27:39; Dark ; 37.5; 29; Bet Car ; 1.67; 10200;occ; 75; 0;35758  
 13; 633.5; 01-JAN-2009 03:29:04; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;35758  
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 22; 2032.6; 01-JAN-2009 03:52:23; Dark ; 47.0; 14; 58Alp Ori ; 0.87; 3000;occ; 94; 0;35758  
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 6; -678.8; 01-JAN-2009 04:47:47; Dark ; 45.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 91; 0;35758  
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 9; -99.6; 01-JAN-2009 04:57:27; Dark ; 39.5; 95; Zet Cen ; 2.55; 26000;occ; 79; 0;35758  
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 12; 433.6; 01-JAN-2009 05:06:20; Dark ; 26.0; 124; The Car ; 2.76; 30000;occ; 52; 0;35759  
 13; 549.6; 01-JAN-2009 05:08:16; Dark ; 38.5; 29; Bet Car ; 1.67; 10200;occ; 77; 0;35759  
 14; 634.0; 01-JAN-2009 05:09:40; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;35759  
 15; 728.8; 01-JAN-2009 05:11:15; Dark ; 46.0; 41; Eps Car ; 1.86; 4100;occ; 92; 0;35759

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16; 980.8; 01-JAN-2009 05:15:27; Dark ; 44.5; 2; Alp Car ; -0.74; 7000;occ; 89; 0;35759
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25; 2397.1; 01-JAN-2009 05:39:03; Bright; 37.5; 28; 12Bet Tau ; 1.65; 15200;occ; 75; 0;35759
26; 2472.8; 01-JAN-2009 05:40:19; Bright; 38.5; 114; 3Iot Aur ; 2.69; 4600;occ; 77; 0;35759
27; 2566.1; 01-JAN-2009 05:41:52; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;35759
28; 2692.6; 01-JAN-2009 05:43:59; Bright; 37.0; 6; 13Alp Aur ; 0.08; 3400;occ; 74; 0;35759
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4; 1345.2; 01-JAN-2009 20:26:55; Dark ; 48.5; 23; 21Eps CMa ; 1.50; 26000;occ; 97; 0;35768
5; 1436.9; 01-JAN-2009 20:28:27; Dark ; 45.0; 179; 240mi2CMa ; 3.03; 24000;occ; 90; 0;35768
6; 1583.8; 01-JAN-2009 20:30:53; Dark ; 51.5; 1; 9Alp CMa ; -1.44; 11000;occ; 103; 0;35768
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8; 1883.2; 01-JAN-2009 20:35:53; Dark ; 41.5; 30; 46Eps Ori ; 1.69; 30000;occ; 83; 0;35768
9; 2032.9; 01-JAN-2009 20:38:23; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;35768
10; 2224.1; 01-JAN-2009 20:41:34; Dark ; 26.0; 44; 24Gam Gem ; 1.93; 11000;occ; 52; 0;35768
11; 2322.6; 01-JAN-2009 20:43:12; Bright; 49.5; 151; 13Mu Gem ; 2.89; 3000;occ; 99; 0;35768
12; 2472.8; 01-JAN-2009 20:45:42; Bright; 52.0; 114; 3Iot Aur ; 2.69; 4600;occ; 104; 0;35768
13; 2563.5; 01-JAN-2009 20:47:13; Bright; 36.0; 107; 37The Aur ; 2.65; 11000;occ; 72; 0;35768
14; 2691.1; 01-JAN-2009 20:49:21; Bright; 40.0; 6; 13Alp Aur ; 0.08; 3400;occ; 80; 0;35768
15; 3423.2; 01-JAN-2009 21:01:33; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;35768
16; 3689.1; 01-JAN-2009 21:05:59; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;35768
17; 3922.1; 01-JAN-2009 21:09:52; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;35768
18; 4424.2; 01-JAN-2009 21:18:14; Bright; 52.0; 133; 40Zet Her ; 2.81; 6000;occ; 104; 0;35768
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29; 2395.3; 03-JAN-2009 04:35:47; Bright; 38.5; 28; 12Bet Tau ; 1.65; 15200;occ; 77; 0;35787  
30; 2473.9; 03-JAN-2009 04:37:06; Bright; 39.0; 114; 3Iot Aur ; 2.69; 4600;occ; 78; 0;35787  
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32; 2690.4; 03-JAN-2009 04:40:42; Bright; 40.0; 6; 13Alp Aur ; 0.08; 3400;occ; 80; 0;35787  
33; 3424.0; 03-JAN-2009 04:52:56; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;35787

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 17; 560.1; 03-JAN-2009 05:45:48; Dark ; 42.5; 29; Bet Car ; 1.67; 10200;occ; 85; 0;35788  
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 19; 740.8; 03-JAN-2009 05:48:49; Dark ; 45.0; 41; Eps Car ; 1.86; 4100;occ; 90; 0;35788  
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 22; 1350.1; 03-JAN-2009 05:58:58; Dark ; 47.0; 23; 21Eps CMA ; 1.50; 26000;occ; 94; 0;35788  
 23; 1441.8; 03-JAN-2009 06:00:30; Dark ; 44.0; 179; 240mi2CMA ; 3.03; 24000;occ; 88; 0;35788  
 24; 1586.3; 03-JAN-2009 06:02:54; Dark ; 50.0; 1; 9Alp CMA ;-1.44; 11000;occ; 100; 0;35788  
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 26; 1883.4; 03-JAN-2009 06:07:52; Dark ; 41.5; 30; 46Eps Ori ; 1.69; 30000;occ; 83; 0;35788  
 27; 2030.9; 03-JAN-2009 06:10:19; Dark ; 52.5; 14; 58Alp Ori ; 0.87; 3000;occ; 105; 0;35788  
 28; 2268.6; 03-JAN-2009 06:14:17; Bright; 38.5; 176; 23Zet Tau ; 3.02; 22000;occ; 77; 0;35788  
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 33; 3424.0; 03-JAN-2009 06:33:32; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;35788  
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 3; 1353.0; 03-JAN-2009 21:04:25; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;35797  
 4; 1443.2; 03-JAN-2009 21:05:55; Dark ; 43.5; 179; 240mi2CMA ; 3.03; 24000;occ; 87; 0;35797  
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 7; 1884.1; 03-JAN-2009 21:13:16; Dark ; 40.5; 30; 46Eps Ori ; 1.69; 30000;occ; 81; 0;35797  
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 9; 2268.4; 03-JAN-2009 21:19:40; Bright; 38.0; 176; 23Zet Tau ; 3.02; 22000;occ; 76; 0;35797  
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 12; 2556.8; 03-JAN-2009 21:24:28; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;35797  
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 19; 4904.3; 03-JAN-2009 22:03:36; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;35797  
 20; 5041.4; 03-JAN-2009 22:05:53; Bright; 34.5; 120; 1Del Oph ; 2.73; 3200;occ; 69; 0;35797  
 21; 5215.6; 03-JAN-2009 22:08:47; Bright; 26.0; 104; 27Bet Lib ; 2.61; 13100;occ; 52; 0;35797

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 22; 2268.6; 03-JAN-2009 23:00:16; Bright; 36.0; 176; 23Zet Tau ; 3.02; 22000;occ; 72; 0;35798



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 23; 2557.3; 04-JAN-2009 00:45:41; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;35799  
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 9; 2556.9; 04-JAN-2009 07:28:04; Bright; 36.0; 107; 37The Aur ; 2.65; 11000;occ; 72; 0;35803  
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 11; 3423.5; 04-JAN-2009 07:42:30; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;35803  
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 13; 3923.6; 04-JAN-2009 07:50:51; Bright; 53.0; 119; 14Eta Dra ; 2.73; 4700;occ; 106; 0;35803  
 14; 4056.5; 04-JAN-2009 07:53:04; Bright; 48.0; 130; 23Bet Dra ; 2.80; 5800;occ; 96; 0;35803  
 15; 4429.8; 04-JAN-2009 07:59:17; Bright; 39.0; 133; 40Zet Her ; 2.81; 6000;occ; 78; 0;35803  
 16; 4555.2; 04-JAN-2009 08:01:22; Bright; 37.5; 67; 5Alp CrB ; 2.22; 11000;occ; 75; 0;35803  
 17; 4906.8; 04-JAN-2009 08:07:14; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;35803  
 18; 5043.0; 04-JAN-2009 08:09:30; Bright; 34.5; 120; 1Del Oph ; 2.73; 3200;occ; 69; 0;35803  
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 21; 5694.3; 04-JAN-2009 08:20:21; Dark ; 40.0; 131; Gam Lup ; 2.80; 26000;occ; 80; 0;35803  
 22; 5779.5; 04-JAN-2009 08:21:47; Dark ; 41.0; 109; Bet Lup ; 2.68; 26000;occ; 82; 0;35803  
 23; 5868.0; 04-JAN-2009 08:23:15; Dark ; 43.0; 78; Alp Lup ; 2.30; 28000;occ; 86; 0;35803  
 24; 5965.2; 04-JAN-2009 08:24:52; Dark ; 43.0; 95; Zet Cen ; 2.55; 26000;occ; 86; 0;35803  
 25; 6052.1; 04-JAN-2009 08:26:19; Dark ; 41.5; 4; Alp1Cen ; -0.01; 5800;occ; 83; 0;35803  
 26; 6185.0; 04-JAN-2009 08:28:32; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 0;35803  
 27; 6293.7; 04-JAN-2009 08:30:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35803  
 28; 6493.3; 04-JAN-2009 08:33:40; Dark ; 38.0; 124; The Car ; 2.76; 30000;occ; 76; 0;35803  
 29; 6601.6; 04-JAN-2009 08:35:29; Dark ; 41.5; 29; Bet Car ; 1.67; 10200;occ; 83; 0;35803  
 30; 6693.5; 04-JAN-2009 08:37:01; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;35803  
 31; 6783.5; 04-JAN-2009 08:38:31; Dark ; 44.5; 41; Eps Car ; 1.86; 4100;occ; 89; 0;35803  
 32; 7027.8; 04-JAN-2009 08:42:35; Dark ; 44.0; 2; Alp Car ; -0.74; 7000;occ; 88; 0;35803  
 33; 7109.3; 04-JAN-2009 08:43:56; Dark ; 43.5; 70; Zet Pup ; 2.25; 39000;occ; 87; 0;35803  
 34; 7227.1; 04-JAN-2009 08:45:54; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;35803  
 35; 7390.8; 04-JAN-2009 08:48:38; Dark ; 46.0; 23; 21Eps CMa ; 1.50; 26000;occ; 92; 0;35803  
 36; 7481.4; 04-JAN-2009 08:50:08; Dark ; 42.0; 179; 240mi2Cma ; 3.03; 24000;occ; 84; 0;35803  
 37; 7624.3; 04-JAN-2009 08:52:31; Dark ; 48.0; 1; 9Alp CMa ; -1.44; 11000;occ; 96; 0;35803  
 38; 7813.8; 04-JAN-2009 08:55:41; Dark ; 31.0; 7; 19Bet Ori ; 0.10; 14000;occ; 62; 0;35803

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 5; 2394.5; 04-JAN-2009 09:05:57; Bright; 38.5; 28; 12Bet Tau ; 1.65; 15200;occ; 77; 0;35804  
 6; 2474.7; 04-JAN-2009 09:07:18; Bright; 37.0; 114; 3Iot Aur ; 2.69; 4600;occ; 74; 0;35804  
 7; 2555.3; 04-JAN-2009 09:08:38; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;35804  
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 11; 3923.7; 04-JAN-2009 09:31:27; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;35804



12; 4056.8; 04-JAN-2009 09:33:40; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;35804  
 13; 4430.3; 04-JAN-2009 09:39:53; Bright; 52.0; 133; 40Zet Her ; 2.81; 6000;occ; 104; 0;35804  
 14; 4555.8; 04-JAN-2009 09:41:59; Bright; 37.5; 67; 5Alp CrB ; 2.22; 11000;occ; 75; 0;35804  
 15; 4906.6; 04-JAN-2009 09:47:50; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;35804  
 16; 5043.1; 04-JAN-2009 09:50:06; Bright; 35.0; 120; 1Del Oph ; 2.73; 3200;occ; 70; 0;35804  
 17; 5219.4; 04-JAN-2009 09:53:02; Bright; 42.5; 104; 27Bet Lib ; 2.61; 13100;occ; 85; 0;35804  
 18; 5386.3; 04-JAN-2009 09:55:49; Dark ; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;35804  
 19; 5694.8; 04-JAN-2009 10:00:58; Dark ; 37.5; 131; Gam Lup ; 2.80; 26000;occ; 75; 0;35804  
 20; 5780.2; 04-JAN-2009 10:02:23; Dark ; 40.0; 109; Bet Lup ; 2.68; 26000;occ; 80; 0;35804  
 21; 5869.3; 04-JAN-2009 10:03:52; Dark ; 40.0; 78; Alp Lup ; 2.30; 28000;occ; 80; 0;35804  
 22; 5965.6; 04-JAN-2009 10:05:29; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;35804  
 23; 6052.1; 04-JAN-2009 10:06:55; Dark ; 46.0; 4; Alp1Cen ;-0.01; 5800;occ; 92; 0;35804  
 24; 6185.7; 04-JAN-2009 10:09:09; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;35804  
 25; 6294.6; 04-JAN-2009 10:10:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35804  
 26; 6493.6; 04-JAN-2009 10:14:17; Dark ; 37.5; 124; The Car ; 2.76; 30000;occ; 75; 0;35804  
 27; 6602.2; 04-JAN-2009 10:16:05; Dark ; 38.0; 29; Bet Car ; 1.67; 10200;occ; 76; 0;35804  
 28; 6694.1; 04-JAN-2009 10:17:37; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;35804  
 29; 6784.0; 04-JAN-2009 10:19:07; Dark ; 50.5; 41; Eps Car ; 1.86; 4100;occ; 101; 0;35804  
 30; 7027.7; 04-JAN-2009 10:23:11; Dark ; 48.5; 2; Alp Car ;-0.74; 7000;occ; 97; 0;35804  
 31; 7110.3; 04-JAN-2009 10:24:33; Dark ; 43.5; 70; Zet Pup ; 2.25; 39000;occ; 87; 0;35804  
 32; 7227.1; 04-JAN-2009 10:26:30; Dark ; 46.0; 117; Pi Pup ; 2.71; 3800;occ; 92; 0;35804  
 33; 7390.8; 04-JAN-2009 10:29:14; Dark ; 45.0; 23; 21Eps CMa ; 1.50; 26000;occ; 90; 0;35804  
 34; 7481.2; 04-JAN-2009 10:30:44; Dark ; 42.0; 179; 240mi2CMa ; 3.03; 24000;occ; 84; 0;35804  
 35; 7624.4; 04-JAN-2009 10:33:07; Dark ; 53.0; 1; 9Alp CMa ;-1.44; 11000;occ; 106; 0;35804

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 3; 1885.6; 04-JAN-2009 10:38:04; Dark ; 41.0; 30; 46Eps Ori ; 1.69; 30000;occ; 82; 0;35805  
 4; 2031.5; 04-JAN-2009 10:40:30; Dark ; 54.0; 14; 58Alp Ori ; 0.87; 3000;occ; 108; 0;35805  
 5; 2269.3; 04-JAN-2009 10:44:28; Bright; 34.5; 176; 23Zet Tau ; 3.02; 22000;occ; 69; 0;35805  
 6; 2395.0; 04-JAN-2009 10:46:34; Bright; 36.5; 28; 12Bet Tau ; 1.65; 15200;occ; 73; 0;35805  
 7; 2475.1; 04-JAN-2009 10:47:54; Bright; 37.5; 114; 3Iot Aur ; 2.69; 4600;occ; 75; 0;35805  
 8; 2555.3; 04-JAN-2009 10:49:14; Bright; 36.0; 107; 37The Aur ; 2.65; 11000;occ; 72; 0;35805  
 9; 2689.5; 04-JAN-2009 10:51:28; Bright; 39.0; 6; 13Alp Aur ; 0.08; 3400;occ; 78; 0;35805  
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 12; 3923.6; 04-JAN-2009 11:12:02; Bright; 33.5; 119; 14Eta Dra ; 2.73; 4700;occ; 67; 0;35805  
 13; 4057.1; 04-JAN-2009 11:14:16; Bright; 33.0; 130; 23Bet Dra ; 2.80; 5800;occ; 66; 0;35805  
 14; 4430.3; 04-JAN-2009 11:20:29; Bright; 43.5; 133; 40Zet Her ; 2.81; 6000;occ; 87; 0;35805  
 15; 4555.4; 04-JAN-2009 11:22:34; Bright; 40.5; 67; 5Alp CrB ; 2.22; 11000;occ; 81; 0;35805  
 16; 4907.1; 04-JAN-2009 11:28:26; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;35805  
 17; 5043.7; 04-JAN-2009 11:30:43; Bright; 34.5; 120; 1Del Oph ; 2.73; 3200;occ; 69; 0;35805  
 18; 5219.9; 04-JAN-2009 11:33:39; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;35805  
 19; 5387.3; 04-JAN-2009 11:36:26; Dark ; 45.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 90; 0;35805  
 20; 5695.0; 04-JAN-2009 11:41:34; Dark ; 39.5; 131; Gam Lup ; 2.80; 26000;occ; 79; 0;35805  
 21; 5780.7; 04-JAN-2009 11:43:00; Dark ; 39.5; 109; Bet Lup ; 2.68; 26000;occ; 79; 0;35805  
 22; 5869.1; 04-JAN-2009 11:44:28; Dark ; 39.5; 78; Alp Lup ; 2.30; 28000;occ; 79; 0;35805  
 23; 5966.9; 04-JAN-2009 11:46:06; Dark ; 41.5; 95; Zet Cen ; 2.55; 26000;occ; 83; 0;35805  
 24; 6052.7; 04-JAN-2009 11:47:32; Dark ; 41.5; 4; Alp1Cen ;-0.01; 5800;occ; 83; 0;35805  
 25; 6186.3; 04-JAN-2009 11:49:45; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;35805  
 26; 6295.5; 04-JAN-2009 11:51:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35805  
 27; 6494.3; 04-JAN-2009 11:54:53; Dark ; 38.0; 124; The Car ; 2.76; 30000;occ; 76; 0;35805  
 28; 6602.6; 04-JAN-2009 11:56:41; Dark ; 38.5; 29; Bet Car ; 1.67; 10200;occ; 77; 0;35805  
 29; 6694.9; 04-JAN-2009 11:58:14; Dark ; 49.0; 71; Iot Car ; 2.25; 7700;occ; 98; 0;35805  
 30; 6785.0; 04-JAN-2009 11:59:44; Dark ; 51.0; 41; Eps Car ; 1.86; 4100;occ; 102; 0;35805  
 31; 7028.2; 04-JAN-2009 12:03:47; Dark ; 48.0; 2; Alp Car ;-0.74; 7000;occ; 96; 0;35805  
 32; 7110.5; 04-JAN-2009 12:05:09; Dark ; 43.0; 70; Zet Pup ; 2.25; 39000;occ; 86; 0;35805  
 33; 7227.8; 04-JAN-2009 12:07:07; Dark ; 46.0; 117; Pi Pup ; 2.71; 3800;occ; 92; 0;35805  
 34; 7391.0; 04-JAN-2009 12:09:50; Dark ; 45.5; 23; 21Eps CMa ; 1.50; 26000;occ; 91; 0;35805  
 35; 7481.4; 04-JAN-2009 12:11:20; Dark ; 43.0; 179; 240mi2CMa ; 3.03; 24000;occ; 86; 0;35805

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 5; 2031.2; 04-JAN-2009 12:21:06; Dark ; 51.0; 14; 58Alp Ori ; 0.87; 3000;occ; 102; 0;35806  
 6; 2268.4; 04-JAN-2009 12:25:03; Bright; 36.0; 176; 23Zet Tau ; 3.02; 22000;occ; 72; 0;35806  
 7; 2394.8; 04-JAN-2009 12:27:10; Bright; 37.0; 28; 12Bet Tau ; 1.65; 15200;occ; 74; 0;35806

8; 2474.8; 04-JAN-2009 12:28:30; Bright; 38.0; 114; 3Iot Aur ; 2.69; 4600;occ; 76; 0;35806  
9; 2555.1; 04-JAN-2009 12:29:50; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;35806  
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11; 3423.4; 04-JAN-2009 12:44:18; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;35806  
12; 3684.8; 04-JAN-2009 12:48:39; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;35806  
13; 3923.8; 04-JAN-2009 12:52:39; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;35806  
14; 4057.4; 04-JAN-2009 12:54:52; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;35806  
15; 4430.3; 04-JAN-2009 13:01:05; Bright; 35.5; 133; 40Zet Her ; 2.81; 6000;occ; 71; 0;35806  
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17; 4907.4; 04-JAN-2009 13:09:02; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;35806  
18; 5043.6; 04-JAN-2009 13:11:18; Bright; 36.0; 120; 1Del Oph ; 2.73; 3200;occ; 72; 0;35806  
19; 5220.2; 04-JAN-2009 13:14:15; Bright; 45.5; 104; 27Bet Lib ; 2.61; 13100;occ; 91; 0;35806  
20; 5387.7; 04-JAN-2009 13:17:02; Dark ; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;35806  
21; 5695.5; 04-JAN-2009 13:22:10; Dark ; 38.0; 131; Gam Lup ; 2.80; 26000;occ; 76; 0;35806  
22; 5780.5; 04-JAN-2009 13:23:35; Dark ; 38.5; 109; Bet Lup ; 2.68; 26000;occ; 77; 0;35806  
23; 5870.0; 04-JAN-2009 13:25:05; Dark ; 37.0; 78; Alp Lup ; 2.30; 28000;occ; 74; 0;35806  
24; 5967.2; 04-JAN-2009 13:26:42; Dark ; 40.0; 95; Zet Cen ; 2.55; 26000;occ; 80; 0;35806  
25; 6052.8; 04-JAN-2009 13:28:08; Dark ; 44.0; 4; Alp1Cen ;-0.01; 5800;occ; 88; 0;35806  
26; 6187.3; 04-JAN-2009 13:30:22; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;35806  
27; 6296.4; 04-JAN-2009 13:32:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35806  
28; 6494.7; 04-JAN-2009 13:35:29; Dark ; 37.5; 124; The Car ; 2.76; 30000;occ; 75; 0;35806  
29; 6602.6; 04-JAN-2009 13:37:17; Dark ; 39.5; 29; Bet Car ; 1.67; 10200;occ; 79; 0;35806  
30; 6695.2; 04-JAN-2009 13:38:50; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;35806  
31; 6785.2; 04-JAN-2009 13:40:20; Dark ; 43.0; 41; Eps Car ; 1.86; 4100;occ; 86; 0;35806  
32; 7028.6; 04-JAN-2009 13:44:23; Dark ; 46.5; 2; Alp Car ;-0.74; 7000;occ; 93; 0;35806  
33; 7110.7; 04-JAN-2009 13:45:45; Dark ; 44.5; 70; Zet Pup ; 2.25; 39000;occ; 89; 0;35806  
34; 7228.2; 04-JAN-2009 13:47:43; Dark ; 45.5; 117; Pi Pup ; 2.71; 3800;occ; 91; 0;35806  
35; 7391.4; 04-JAN-2009 13:50:26; Dark ; 46.5; 23; 21Eps CMa ; 1.50; 26000;occ; 93; 0;35806  
36; 7481.3; 04-JAN-2009 13:51:56; Dark ; 43.5; 179; 240mi2Cma ; 3.03; 24000;occ; 87; 0;35806

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11; 3423.9; 04-JAN-2009 14:24:55; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;35807  
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17; 4907.9; 04-JAN-2009 14:49:38; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;35807  
18; 5043.9; 04-JAN-2009 14:51:55; Bright; 35.0; 120; 1Del Oph ; 2.73; 3200;occ; 70; 0;35807  
19; 5220.9; 04-JAN-2009 14:54:51; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;35807  
20; 5388.5; 04-JAN-2009 14:57:39; Dark ; 45.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 90; 0;35807  
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 36; 4930.4; 08-JAN-2009 22:47:08; Bright; 57.0; 102; 24Alp Ser ; 2.60; 4250;occ; 114; 0;35869  
 37; 5063.2; 08-JAN-2009 22:49:21; Bright; 36.5; 120; 1Del Oph ; 2.73; 3200;occ; 73; 0;35869  
 38; 5151.6; 08-JAN-2009 22:50:50; Bright; 40.0; 98; 13Zet Oph ; 2.57; 30000;occ; 80; 0;35869  
 39; 5256.0; 08-JAN-2009 22:52:34; Dark ; 47.5; 104; 27Bet Lib ; 2.61; 13100;occ; 95; 0;35869

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 6; 291.1; 08-JAN-2009 23:10:25; Dark ; 42.0; 12; Alp1Cru ; 0.77; 30000;occ; 84; 0;35870  
 7; 490.5; 08-JAN-2009 23:13:44; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;35870  
 8; 587.9; 08-JAN-2009 23:15:22; Dark ; 38.5; 29; Bet Car ; 1.67; 10200;occ; 77; 0;35870  
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 19; 1891.7; 08-JAN-2009 23:37:06; Dark ; 41.0; 30; 46Eps Ori ; 1.69; 30000;occ; 82; 0;35870  
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 22; 2300.3; 08-JAN-2009 23:43:54; Bright; 46.5; 151; 13Mu Gem ; 2.89; 3000;occ; 93; 0;35870  
 23; 2395.6; 08-JAN-2009 23:45:30; Bright; 36.5; 28; 12Bet Tau ; 1.65; 15200;occ; 73; 0;35870  
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 25; 2678.2; 08-JAN-2009 23:50:12; Bright; 38.0; 42; 34Bet Aur ; 1.90; 10200;occ; 76; 0;35870  
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 27; 3676.4; 09-JAN-2009 00:06:50; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;35870  
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 29; 4066.3; 09-JAN-2009 00:13:20; Bright; 33.5; 130; 23Bet Dra ; 2.80; 5800;occ; 67; 0;35870  
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 31; 4568.0; 09-JAN-2009 00:21:42; Bright; 40.5; 67; 5Alp CrB ; 2.22; 11000;occ; 81; 0;35870  
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 33; 5063.6; 09-JAN-2009 00:29:58; Bright; 36.0; 120; 1Del Oph ; 2.73; 3200;occ; 72; 0;35870  
 34; 5152.3; 09-JAN-2009 00:31:26; Bright; 52.0; 98; 13Zet Oph ; 2.57; 30000;occ; 104; 0;35870  
 35; 5256.8; 09-JAN-2009 00:33:11; Dark ; 46.0; 104; 27Bet Lib ; 2.61; 13100;occ; 92; 0;35870

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 17; 486.0; 08-JAN-2009 08:08:17; Dark ; 39.0; 124; The Car ; 2.76; 30000;occ; 78; 0;35861  
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 19; 686.1; 08-JAN-2009 08:11:37; Dark ; 37.0; 71; Iot Car ; 2.25; 7700;occ; 74; 0;35861  
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 7; 2395.0; 08-JAN-2009 08:40:06; Bright; 38.0; 28; 12Bet Tau ; 1.65; 15200;occ; 76; 0;35861  
 8; 2481.1; 08-JAN-2009 08:41:32; Bright; 37.5; 114; 3Iot Aur ; 2.69; 4600;occ; 75; 0;35861  
 9; 2679.6; 08-JAN-2009 08:44:50; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;35861  
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 13; 4065.5; 08-JAN-2009 09:07:56; Bright; 46.0; 130; 23Bet Dra ; 2.80; 5800;occ; 92; 0;35861  
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 23; 5941.5; 08-JAN-2009 09:39:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35861  
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 26; 6322.9; 08-JAN-2009 09:45:34; Dark ; 40.5; 12; Alp1Cru ; 0.77; 30000;occ; 81; 0;35861  
 27; 6522.6; 08-JAN-2009 09:48:53; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;35861  
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 33; 7244.7; 08-JAN-2009 10:00:55; Dark ; 46.0; 117; Pi Pup ; 2.71; 3800;occ; 92; 0;35861  
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13; 4065.6; 08-JAN-2009 10:48:32; Bright; 52.0; 130; 23Bet Dra ; 2.80; 5800;occ; 104; 0;35862  
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 21; 5716.0; 08-JAN-2009 11:16:03; Dark ; 38.0; 131; Gam Lup ; 2.80; 26000;occ; 76; 0;35862  
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13; 4445.4; 11-JAN-2009 11:00:37; Bright; 48.5; 133; 40Zet Her ; 2.81; 6000;occ; 97; 0;35905  
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17; 5161.8; 11-JAN-2009 11:12:33; Bright; 35.0; 98; 13Zet Oph ; 2.57; 30000;occ; 70; 0;35905  
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22; 5924.2; 11-JAN-2009 11:25:15; Dark ; 40.0; 78; Alp Lup ; 2.30; 28000;occ; 80; 0;35905  
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25; 6389.7; 11-JAN-2009 11:33:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;35905  
26; 6544.6; 11-JAN-2009 11:35:36; Dark ; 38.0; 124; The Car ; 2.76; 30000;occ; 76; 0;35905  
27; 6635.8; 11-JAN-2009 11:37:07; Dark ; 37.5; 29; Bet Car ; 1.67; 10200;occ; 75; 0;35905  
28; 6744.1; 11-JAN-2009 11:38:55; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;35905  
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32; 7258.4; 11-JAN-2009 11:47:30; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;35905  
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35; 7414.6; 11-JAN-2009 13:30:42; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 0;35906
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27; 6545.4; 11-JAN-2009 14:56:48; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;35907
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31; 7023.7; 11-JAN-2009 15:04:47; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;35907
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33; 7258.9; 11-JAN-2009 15:08:42; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;35907
34; 7414.9; 11-JAN-2009 15:11:18; Dark ; 44.0; 23; 21Eps CMa ; 1.50; 26000;occ; 88; 0;35907

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| 1;  | 1381.0; | 11-JAN-2009 | 15:11:20; | Dark    | ; | 44.5; | 23;  | 21Eps CMa | ; | 1.50;  | 26000;occ; | 89;  | 4; | 35908 |
| 2;  | 1465.2; | 11-JAN-2009 | 15:12:44; | Dark    | ; | 42.5; | 179; | 240mi2CMa | ; | 3.03;  | 24000;occ; | 85;  | 0; | 35908 |
| 3;  | 1602.1; | 11-JAN-2009 | 15:15:01; | Dark    | ; | 44.5; | 1;   | 9Alp CMa  | ; | -1.44; | 11000;occ; | 89;  | 0; | 35908 |
| 4;  | 1749.8; | 11-JAN-2009 | 15:17:29; | Dark    | ; | 40.5; | 56;  | 53Kap Ori | ; | 2.07;  | 30000;occ; | 81;  | 0; | 35908 |
| 5;  | 1897.3; | 11-JAN-2009 | 15:19:56; | Dark    | ; | 43.0; | 30;  | 46Eps Ori | ; | 1.69;  | 30000;occ; | 86;  | 0; | 35908 |
| 6;  | 2034.4; | 11-JAN-2009 | 15:22:13; | Dark    | ; | 50.0; | 14;  | 58Alp Ori | ; | 0.87;  | 3000;occ;  | 100; | 0; | 35908 |
| 7;  | 2194.4; | 11-JAN-2009 | 15:24:53; | Dark    | ; | 45.5; | 44;  | 24Gam Gem | ; | 1.93;  | 11000;occ; | 91;  | 0; | 35908 |
| 8;  | 2296.2; | 11-JAN-2009 | 15:26:35; | Bright; |   | 43.5; | 151; | 13Mu Gem  | ; | 2.89;  | 3000;occ;  | 87;  | 0; | 35908 |
| 9;  | 2398.5; | 11-JAN-2009 | 15:28:17; | Bright; |   | 38.0; | 28;  | 12Bet Tau | ; | 1.65;  | 15200;occ; | 76;  | 0; | 35908 |
| 10; | 2542.6; | 11-JAN-2009 | 15:30:42; | Bright; |   | 36.0; | 107; | 37The Aur | ; | 2.65;  | 11000;occ; | 72;  | 0; | 35908 |
| 11; | 2674.5; | 11-JAN-2009 | 15:32:53; | Bright; |   | 37.0; | 42;  | 34Bet Aur | ; | 1.90;  | 10200;occ; | 74;  | 0; | 35908 |
| 12; | 3424.4; | 11-JAN-2009 | 15:45:23; | Bright; |   | 36.5; | 49;  | 1Alp UMi  | ; | 1.99;  | 6300;occ;  | 73;  | 0; | 35908 |
| 13; | 3671.2; | 11-JAN-2009 | 15:49:30; | Bright; |   | 40.5; | 60;  | 7Bet UMi  | ; | 2.08;  | 3950;occ;  | 81;  | 0; | 35908 |
| 14; | 3923.7; | 11-JAN-2009 | 15:53:43; | Bright; |   | 40.5; | 119; | 14Eta Dra | ; | 2.73;  | 4700;occ;  | 81;  | 0; | 35908 |
| 15; | 4071.1; | 11-JAN-2009 | 15:56:10; | Bright; |   | 33.5; | 130; | 23Bet Dra | ; | 2.80;  | 5800;occ;  | 67;  | 0; | 35908 |
| 16; | 4445.8; | 11-JAN-2009 | 16:02:25; | Bright; |   | 36.5; | 133; | 40Zet Her | ; | 2.81;  | 6000;occ;  | 73;  | 0; | 35908 |
| 17; | 4576.1; | 11-JAN-2009 | 16:04:35; | Bright; |   | 60.0; | 67;  | 5Alp CrB  | ; | 2.22;  | 11000;occ; | 120; | 0; | 35908 |
| 18; | 4946.7; | 11-JAN-2009 | 16:10:46; | Bright; |   | 44.5; | 102; | 24Alp Ser | ; | 2.60;  | 4250;occ;  | 89;  | 0; | 35908 |
| 19; | 5077.4; | 11-JAN-2009 | 16:12:56; | Bright; |   | 39.0; | 120; | 1Del Oph  | ; | 2.73;  | 3200;occ;  | 78;  | 0; | 35908 |
| 20; | 5162.9; | 11-JAN-2009 | 16:14:22; | Bright; |   | 38.0; | 98;  | 13Zet Oph | ; | 2.57;  | 30000;occ; | 76;  | 0; | 35908 |
| 21; | 5281.7; | 11-JAN-2009 | 16:16:21; | Dark    | ; | 48.0; | 104; | 27Bet Lib | ; | 2.61;  | 13100;occ; | 96;  | 0; | 35908 |
| 22; | 5429.9; | 11-JAN-2009 | 16:18:49; | Dark    | ; | 52.0; | 16;  | 21Alp Sco | ; | 1.02;  | 3000;occ;  | 104; | 0; | 35908 |
| 23; | 5736.8; | 11-JAN-2009 | 16:23:56; | Dark    | ; | 40.5; | 131; | Gam Lup   | ; | 2.80;  | 26000;occ; | 81;  | 0; | 35908 |
| 24; | 5835.5; | 11-JAN-2009 | 16:25:34; | Dark    | ; | 40.0; | 109; | Bet Lup   | ; | 2.68;  | 26000;occ; | 80;  | 0; | 35908 |
| 25; | 5926.1; | 11-JAN-2009 | 16:27:05; | Dark    | ; | 43.0; | 78;  | Alp Lup   | ; | 2.30;  | 28000;occ; | 86;  | 0; | 35908 |
| 26; | 6040.1; | 11-JAN-2009 | 16:28:59; | Dark    | ; | 42.0; | 95;  | Zet Cen   | ; | 2.55;  | 26000;occ; | 84;  | 0; | 35908 |
| 27; | 6293.2; | 11-JAN-2009 | 16:33:12; | Dark    | ; | 40.5; | 20;  | Bet Cru   | ; | 1.25;  | 30000;occ; | 81;  | 0; | 35908 |
| 28; | 6392.7; | 11-JAN-2009 | 16:34:52; | Dark    | ; | 59.5; | 0;   |           | ; | 0.00;  | 0;occ;     | 119; | 0; | 35908 |
| 29; | 6546.5; | 11-JAN-2009 | 16:37:25; | Dark    | ; | 39.0; | 124; | The Car   | ; | 2.76;  | 30000;occ; | 78;  | 0; | 35908 |
| 30; | 6636.8; | 11-JAN-2009 | 16:38:56; | Dark    | ; | 38.5; | 29;  | Bet Car   | ; | 1.67;  | 10200;occ; | 77;  | 0; | 35908 |
| 31; | 6745.3; | 11-JAN-2009 | 16:40:44; | Dark    | ; | 39.0; | 71;  | Iot Car   | ; | 2.25;  | 7700;occ;  | 78;  | 0; | 35908 |
| 32; | 6825.1; | 11-JAN-2009 | 16:42:04; | Dark    | ; | 50.0; | 41;  | Eps Car   | ; | 1.86;  | 4100;occ;  | 100; | 0; | 35908 |
| 33; | 7024.0; | 11-JAN-2009 | 16:45:23; | Dark    | ; | 44.0; | 34;  | Gam2Vel   | ; | 1.79;  | 23000;occ; | 88;  | 0; | 35908 |
| 34; | 7153.4; | 11-JAN-2009 | 16:47:32; | Dark    | ; | 45.5; | 70;  | Zet Pup   | ; | 2.25;  | 39000;occ; | 91;  | 0; | 35908 |
| 35; | 7258.7; | 11-JAN-2009 | 16:49:18; | Dark    | ; | 1.0;  | 117; | Pi Pup    | ; | 2.71;  | 3800;occ;  | 2;   | 0; | 35908 |

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| 4;  | 1465.6; | 11-JAN-2009 | 16:53:21; | Dark    | ; | 42.5; | 179; | 240mi2CMa | ; | 3.03;  | 24000;occ; | 85;  | 0;  | 35909 |
| 5;  | 1601.9; | 11-JAN-2009 | 16:55:37; | Dark    | ; | 45.0; | 1;   | 9Alp CMa  | ; | -1.44; | 11000;occ; | 90;  | 0;  | 35909 |
| 6;  | 1750.3; | 11-JAN-2009 | 16:58:05; | Dark    | ; | 42.0; | 56;  | 53Kap Ori | ; | 2.07;  | 30000;occ; | 84;  | 0;  | 35909 |
| 7;  | 1897.7; | 11-JAN-2009 | 17:00:33; | Dark    | ; | 41.5; | 30;  | 46Eps Ori | ; | 1.69;  | 30000;occ; | 83;  | 0;  | 35909 |
| 8;  | 2034.3; | 11-JAN-2009 | 17:02:49; | Dark    | ; | 49.5; | 14;  | 58Alp Ori | ; | 0.87;  | 3000;occ;  | 99;  | 0;  | 35909 |
| 9;  | 2194.1; | 11-JAN-2009 | 17:05:29; | Dark    | ; | 41.5; | 44;  | 24Gam Gem | ; | 1.93;  | 11000;occ; | 83;  | 0;  | 35909 |
| 10; | 2296.2; | 11-JAN-2009 | 17:07:11; | Bright; |   | 43.5; | 151; | 13Mu Gem  | ; | 2.89;  | 3000;occ;  | 87;  | 0;  | 35909 |
| 11; | 2398.8; | 11-JAN-2009 | 17:08:54; | Bright; |   | 37.5; | 28;  | 12Bet Tau | ; | 1.65;  | 15200;occ; | 75;  | 0;  | 35909 |
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| 16; | 3923.7; | 11-JAN-2009 | 17:34:19; | Bright; |   | 40.5; | 119; | 14Eta Dra | ; | 2.73;  | 4700;occ;  | 81;  | 0;  | 35909 |
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| 6;  | -1058.3; | 16-JAN-2009 | 05:10:12; | Bright; | 46.0; | 102;  | 24Alp Ser | ;         | 2.60; | 4250;occ;  | 92;        | 0;   | 35973 |       |
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| 8;  | -851.4;  | 16-JAN-2009 | 05:13:38; | Bright; | 54.0; | 98;   | 13Zet Oph | ;         | 2.57; | 30000;occ; | 108;       | 0;   | 35973 |       |
| 9;  | -583.4;  | 16-JAN-2009 | 05:18:06; | Dark    | ;     | 53.0; | 16;       | 21Alp Sco | ;     | 1.02;      | 3000;occ;  | 106; | 0;    | 35973 |
| 10;   | -265.4;  | 16-JAN-2009 | 05:23:24; | Dark    | ;     | 36.0; | 131;      | Gam Lup   | ;     | 2.80;      | 26000;occ; | 72;  | 0;    | 35973 |
| 11;   | -159.3;  | 16-JAN-2009 | 05:25:10; | Dark    | ;     | 39.0; | 109;      | Bet Lup   | ;     | 2.68;      | 26000;occ; | 78;  | 0;    | 35973 |
| 12;   | -35.2;   | 16-JAN-2009 | 05:27:15; | Dark    | ;     | 59.0; | 0;        |           | ;     | 0.00;      | 0;occ;     | 118; | 0;    | 35973 |
| 13;   | 83.4;    | 16-JAN-2009 | 05:29:13; | Dark    | ;     | 54.0; | 4;        | Alp1Cen   | ;     | -0.01;     | 5800;occ;  | 108; | 0;    | 35974 |
| 14;   | 347.9;   | 16-JAN-2009 | 05:33:38; | Dark    | ;     | 40.5; | 12;       | Alp1Cru   | ;     | 0.77;      | 30000;occ; | 81;  | 0;    | 35974 |
| 15;   | 542.3;   | 16-JAN-2009 | 05:36:52; | Dark    | ;     | 37.5; | 124;      | The Car   | ;     | 2.76;      | 30000;occ; | 75;  | 0;    | 35974 |
| 16;   | 621.6;   | 16-JAN-2009 | 05:38:11; | Dark    | ;     | 36.5; | 29;       | Bet Car   | ;     | 1.67;      | 10200;occ; | 73;  | 0;    | 35974 |
| 17;   | 738.8;   | 16-JAN-2009 | 05:40:09; | Dark    | ;     | 43.5; | 71;       | Iot Car   | ;     | 2.25;      | 7700;occ;  | 87;  | 0;    | 35974 |
| 18;   | 850.7;   | 16-JAN-2009 | 05:42:01; | Dark    | ;     | 43.0; | 46;       | Del Vel   | ;     | 1.95;      | 10600;occ; | 86;  | 0;    | 35974 |
| 19;   | 1013.0;  | 16-JAN-2009 | 05:44:43; | Dark    | ;     | 44.0; | 34;       | Gam2Vel   | ;     | 1.79;      | 23000;occ; | 88;  | 0;    | 35974 |
| 20;   | 1141.2;  | 16-JAN-2009 | 05:46:51; | Dark    | ;     | 41.0; | 70;       | Zet Pup   | ;     | 2.25;      | 39000;occ; | 82;  | 0;    | 35974 |
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| 23;   | 1477.6;  | 16-JAN-2009 | 05:52:27; | Dark    | ;     | 38.5; | 179;      | 240mi2CMa | ;     | 3.03;      | 24000;occ; | 77;  | 0;    | 35974 |
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| 26;   | 2187.7;  | 16-JAN-2009 | 06:04:18; | Dark    | ;     | 52.0; | 44;       | 24Gam Gem | ;     | 1.93;      | 11000;occ; | 104; | 0;    | 35974 |
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| 29;   | 2671.7;  | 16-JAN-2009 | 06:12:22; | Bright; | 36.0; | 42;   | 34Bet Aur | ;         | 1.90; | 10200;occ; | 72;        | 0;   | 35974 |       |
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| 2;  | 1016.2;  | 16-JAN-2009 | 20:50:09; | Dark    | ;     | 43.5; | 34;       | Gam2Vel   | ;     | 1.79;      | 23000;occ; | 87;  | 0;    | 35983 |
| 3;  | 1144.1;  | 16-JAN-2009 | 20:52:17; | Dark    | ;     | 41.5; | 70;       | Zet Pup   | ;     | 2.25;      | 39000;occ; | 83;  | 0;    | 35983 |
| 4;  | 1242.5;  | 16-JAN-2009 | 20:53:56; | Dark    | ;     | 42.5; | 117;      | Pi Pup    | ;     | 2.71;      | 3800;occ;  | 85;  | 0;    | 35983 |
| 5;  | 1394.6;  | 16-JAN-2009 | 20:56:28; | Dark    | ;     | 42.5; | 23;       | 21Eps CMa | ;     | 1.50;      | 26000;occ; | 85;  | 0;    | 35983 |
| 6;  | 1479.7;  | 16-JAN-2009 | 20:57:53; | Dark    | ;     | 40.5; | 179;      | 240mi2CMa | ;     | 3.03;      | 24000;occ; | 81;  | 0;    | 35983 |
| 7;  | 1611.6;  | 16-JAN-2009 | 21:00:05; | Dark    | ;     | 43.0; | 1;        | 9Alp CMa  | ;     | -1.44;     | 11000;occ; | 86;  | 0;    | 35983 |
| 8;  | 2041.1;  | 16-JAN-2009 | 21:07:14; | Dark    | ;     | 44.5; | 14;       | 58Alp Ori | ;     | 0.87;      | 3000;occ;  | 89;  | 0;    | 35983 |
| 9;  | 2187.2;  | 16-JAN-2009 | 21:09:40; | Dark    | ;     | 43.0; | 44;       | 24Gam Gem | ;     | 1.93;      | 11000;occ; | 86;  | 0;    | 35983 |
| 10;   | 2278.5;  | 16-JAN-2009 | 21:11:12; | Bright; | 35.5; | 176;  | 23Zet Tau | ;         | 3.02; | 22000;occ; | 71;        | 0;   | 35983 |       |
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| 13;   | 2670.8;  | 16-JAN-2009 | 21:17:44; | Bright; | 43.0; | 42;   | 34Bet Aur | ;         | 1.90; | 10200;occ; | 86;        | 0;   | 35983 |       |
| 14;   | 3424.9;  | 16-JAN-2009 | 21:30:18; | Bright; | 37.0; | 49;   | 1Alp UMi  | ;         | 1.99; | 6300;occ;  | 74;        | 0;   | 35983 |       |
| 15;   | 3659.1;  | 16-JAN-2009 | 21:34:12; | Bright; | 50.0; | 60;   | 7Bet UMi  | ;         | 2.08; | 3950;occ;  | 100;       | 0;   | 35983 |       |
| 16;   | 3920.9;  | 16-JAN-2009 | 21:38:34; | Bright; | 38.5; | 119;  | 14Eta Dra | ;         | 2.73; | 4700;occ;  | 77;        | 0;   | 35983 |       |
| 17;   | 4078.8;  | 16-JAN-2009 | 21:41:12; | Bright; | 38.0; | 130;  | 23Bet Dra | ;         | 2.80; | 5800;occ;  | 76;        | 0;   | 35983 |       |
| 18;   | 4456.7;  | 16-JAN-2009 | 21:47:30; | Bright; | 36.5; | 133;  | 40Zet Her | ;         | 2.81; | 6000;occ;  | 73;        | 0;   | 35983 |       |
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| 5;  | -152.4;  | 16-JAN-2009 | 22:11:17; | Dark    | ;     | 40.0; | 109;      | Bet Lup   | ;     | 2.68;      | 26000;occ; | 80;  | 0;    | 35983 |
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| 7;  | 87.7;    | 16-JAN-2009 | 22:15:17; | Dark    | ;     | 41.5; | 4;        | Alp1Cen   | ;     | -0.01;     | 5800;occ;  | 83;  | 0;    | 35984 |
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| 12;   | 854.2;   | 16-JAN-2009 | 22:28:03; | Dark    | ;     | 42.5; | 46;       | Del Vel   | ;     | 1.95;      | 10600;occ; | 85;  | 0;    | 35984 |
| 13;   | 1016.6;  | 16-JAN-2009 | 22:30:46; | Dark    | ;     | 43.0; | 34;       | Gam2Vel   | ;     | 1.79;      | 23000;occ; | 86;  | 0;    | 35984 |
| 14;   | 1144.4;  | 16-JAN-2009 | 22:32:54; | Dark    | ;     | 41.5; | 70;       | Zet Pup   | ;     | 2.25;      | 39000;occ; | 83;  | 0;    | 35984 |
| 15;   | 1242.2;  | 16-JAN-2009 | 22:34:31; | Dark    | ;     | 45.0; | 117;      | Pi Pup    | ;     | 2.71;      | 3800;occ;  | 90;  | 0;    | 35984 |
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| 17;   | 1479.3;  | 16-JAN-2009 | 22:38:28; | Dark    | ;     | 37.0; | 179;      | 240mi2CMa | ;     | 3.03;      | 24000;occ; | 74;  | 0;    | 35984 |
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| 18;   | 868.5;  | 19-JAN-2009 | 05:48:03; | Dark    | ; 43.0; | 46;  | Del Vel   | ; 1.95; | 10600;occ; | 86;  | 0; | 36017 |
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| 23;   | 1486.0; | 19-JAN-2009 | 05:58:20; | Dark    | ; 35.5; | 179; | 24Omi2CMA | ; 3.03; | 24000;occ; | 71;  | 0; | 36017 |
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| 25;   | 2046.3; | 19-JAN-2009 | 06:07:41; | Dark    | ; 45.0; | 14;  | 58Alp Ori | ; 0.87; | 3000;occ;  | 90;  | 0; | 36017 |
| 26;   | 2186.7; | 19-JAN-2009 | 06:10:01; | Dark    | ; 47.5; | 44;  | 24Gam Gem | ; 1.93; | 11000;occ; | 95;  | 0; | 36017 |
| 27;   | 2291.4; | 19-JAN-2009 | 06:11:46; | Bright; | 37.5;   | 151; | 13Mu Gem  | ; 2.89; | 3000;occ;  | 75;  | 0; | 36017 |
| 28;   | 2541.4; | 19-JAN-2009 | 06:15:56; | Bright; | 35.0;   | 107; | 37The Aur | ; 2.65; | 11000;occ; | 70;  | 0; | 36017 |
| 29;   | 2671.5; | 19-JAN-2009 | 06:18:06; | Bright; | 36.5;   | 42;  | 34Bet Aur | ; 1.90; | 10200;occ; | 73;  | 0; | 36017 |
| 30;   | 3425.6; | 19-JAN-2009 | 06:30:40; | Bright; | 39.0;   | 49;  | 1Alp UMi  | ; 1.99; | 6300;occ;  | 78;  | 0; | 36017 |
| 31;   | 3653.2; | 19-JAN-2009 | 06:34:28; | Bright; | 26.5;   | 60;  | 7Bet UMi  | ; 2.08; | 3950;occ;  | 53;  | 0; | 36017 |
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| 2;  | 1158.2; | 19-JAN-2009 | 20:58:16; | Dark    | ; 40.0; | 70;  | Zet Pup   | ; 2.25; | 39000;occ; | 80;  | 0; | 36026 |
| 3;  | 1252.9; | 19-JAN-2009 | 20:59:51; | Dark    | ; 41.0; | 117; | Pi Pup    | ; 2.71; | 3800;occ;  | 82;  | 0; | 36026 |
| 4;  | 1403.1; | 19-JAN-2009 | 21:02:21; | Dark    | ; 43.0; | 23;  | 21Eps CMA | ; 1.50; | 26000;occ; | 86;  | 0; | 36026 |
| 5;  | 1487.2; | 19-JAN-2009 | 21:03:45; | Dark    | ; 37.5; | 179; | 24Omi2CMA | ; 3.03; | 24000;occ; | 75;  | 0; | 36026 |
| 6;  | 1617.9; | 19-JAN-2009 | 21:05:56; | Dark    | ; 45.0; | 1;   | 9Alp CMA  | ;-1.44; | 11000;occ; | 90;  | 0; | 36026 |
| 7;  | 2002.3; | 19-JAN-2009 | 21:12:20; | Dark    | ; 40.0; | 8;   | 10Alp CMi | ; 0.40; | 6500;occ;  | 80;  | 0; | 36026 |
| 8;  | 2186.7; | 19-JAN-2009 | 21:15:24; | Dark    | ; 53.0; | 44;  | 24Gam Gem | ; 1.93; | 11000;occ; | 106; | 0; | 36026 |
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| 13;   | 3651.0; | 19-JAN-2009 | 21:39:49; | Bright; | 40.5;   | 60;  | 7Bet UMi  | ; 2.08; | 3950;occ;  | 81;  | 0; | 36026 |
| 14;   | 3917.5; | 19-JAN-2009 | 21:44:15; | Bright; | 39.0;   | 119; | 14Eta Dra | ; 2.73; | 4700;occ;  | 78;  | 0; | 36026 |
| 15;   | 4081.7; | 19-JAN-2009 | 21:46:59; | Bright; | 36.5;   | 130; | 23Bet Dra | ; 2.80; | 5800;occ;  | 73;  | 0; | 36026 |
| 16;   | 4462.9; | 19-JAN-2009 | 21:53:21; | Bright; | 37.0;   | 133; | 40Zet Her | ; 2.81; | 6000;occ;  | 74;  | 0; | 36026 |
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| 18;   | 4754.8; | 19-JAN-2009 | 21:58:13; | Bright; | 36.5;   | 59;  | 55Alp Oph | ; 2.08; | 8900;occ;  | 73;  | 0; | 36026 |
| 19;   | 4881.5; | 19-JAN-2009 | 22:00:19; | Bright; | 33.5;   | 126; | 60Bet Oph | ; 2.77; | 4250;occ;  | 67;  | 0; | 36026 |
| 20;   | 5129.3; | 19-JAN-2009 | 22:04:27; | Bright; | 45.5;   | 120; | 1Del Oph  | ; 2.73; | 3200;occ;  | 91;  | 0; | 36026 |
| 21;   | 5246.5; | 19-JAN-2009 | 22:06:24; | Bright; | 35.0;   | 86;  | 35Eta Oph | ; 2.43; | 10200;occ; | 70;  | 0; | 36026 |
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| 3;  | -466.8; | 19-JAN-2009 | 22:11:47; | Dark    | ; 39.5; | 75;  | 26Eps Sco | ; 2.29; | 4250;occ;  | 79;  | 0; | 36026 |
| 4;  | -235.4; | 19-JAN-2009 | 22:15:38; | Dark    | ; 38.0; | 131; | Gam Lup   | ; 2.80; | 26000;occ; | 76;  | 0; | 36026 |
| 5;  | -121.5; | 19-JAN-2009 | 22:17:32; | Dark    | ; 40.5; | 109; | Bet Lup   | ; 2.68; | 26000;occ; | 81;  | 0; | 36026 |
| 6;  | 107.5;  | 19-JAN-2009 | 22:21:21; | Dark    | ; 50.5; | 4;   | Alp1Cen   | ;-0.01; | 5800;occ;  | 101; | 0; | 36027 |
| 7;  | 377.1;  | 19-JAN-2009 | 22:25:51; | Dark    | ; 41.0; | 12;  | Alp1Cru   | ; 0.77; | 30000;occ; | 82;  | 0; | 36027 |
| 8;  | 637.8;  | 19-JAN-2009 | 22:30:11; | Dark    | ; 37.5; | 29;  | Bet Car   | ; 1.67; | 10200;occ; | 75;  | 0; | 36027 |
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14; 3426.3; 24-JAN-2009 20:38:34; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;36097  
15; 3636.7; 24-JAN-2009 20:42:05; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;36097  
16; 3910.5; 24-JAN-2009 20:46:39; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;36097  
17; 4085.6; 24-JAN-2009 20:49:34; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;36097  
18; 4289.5; 24-JAN-2009 20:52:58; Bright; 38.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 76; 0;36097  
19; 4473.1; 24-JAN-2009 20:56:01; Bright; 58.0; 133; 40Zet Her ; 2.81; 6000;occ; 116; 0;36097  
20; 4674.0; 24-JAN-2009 20:59:22; Bright; 41.0; 127; 27Bet Her ; 2.78; 4700;occ; 82; 0;36097  
21; 4771.3; 24-JAN-2009 21:00:59; Bright; 35.5; 59; 55Alp Oph ; 2.08; 8900;occ; 71; 0;36097  
22; 4897.5; 24-JAN-2009 21:03:05; Bright; 51.5; 126; 60Bet Oph ; 2.77; 4250;occ; 103; 0;36097

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1; -795.7; 24-JAN-2009 21:08:48; Dark ; 42.5; 98; 13Zet Oph ; 2.57; 30000;occ; 85; 0;36097  
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3; -439.8; 24-JAN-2009 21:14:44; Dark ; 41.0; 75; 26Eps Sco ; 2.29; 4250;occ; 82; 0;36097  
4; -189.6; 24-JAN-2009 21:18:54; Dark ; 40.5; 131; Gam Lup ; 2.80; 26000;occ; 81; 0;36097  
5; -67.4; 24-JAN-2009 21:20:57; Dark ; 42.0; 109; Bet Lup ; 2.68; 26000;occ; 84; 0;36097  
6; 40.2; 24-JAN-2009 21:22:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36098  
7; 142.5; 24-JAN-2009 21:24:26; Dark ; 43.0; 4; Alp1Cen ; -0.01; 5800;occ; 86; 0;36098  
8; 234.3; 24-JAN-2009 21:25:58; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;36098  
9; 416.8; 24-JAN-2009 21:29:01; Dark ; 38.5; 12; Alp1Cru ; 0.77; 30000;occ; 77; 0;36098  
10; 511.0; 24-JAN-2009 21:30:35; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;36098  
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12; 789.0; 24-JAN-2009 21:35:13; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;36098  
13; 897.2; 24-JAN-2009 21:37:01; Dark ; 39.5; 46; Del Vel ; 1.95; 10600;occ; 79; 0;36098  
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15; 1180.1; 24-JAN-2009 21:41:44; Dark ; 36.5; 70; Zet Pup ; 2.25; 39000;occ; 73; 0;36098  
16; 1269.1; 24-JAN-2009 21:43:13; Dark ; 43.5; 117; Pi Pup ; 2.71; 3800;occ; 87; 0;36098  
17; 1416.9; 24-JAN-2009 21:45:41; Dark ; 42.5; 23; 21Eps CMa ; 1.50; 26000;occ; 85; 0;36098  
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21; 2188.0; 24-JAN-2009 21:58:32; Bright; 38.0; 44; 24Gam Gem ; 1.93; 11000;occ; 76; 0;36098  
22; 2295.1; 24-JAN-2009 22:00:19; Bright; 39.5; 151; 13Mu Gem ; 2.89; 3000;occ; 79; 0;36098  
23; 2414.2; 24-JAN-2009 22:02:18; Bright; 42.0; 17; 78Bet Gem ; 1.16; 4500;occ; 84; 0;36098  
24; 2549.5; 24-JAN-2009 22:04:33; Bright; 35.0; 107; 37The Aur ; 2.65; 11000;occ; 70; 0;36098  
25; 2677.4; 24-JAN-2009 22:06:41; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;36098  
26; 3426.8; 24-JAN-2009 22:19:11; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;36098  
27; 3636.3; 24-JAN-2009 22:22:40; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;36098  
28; 3910.4; 24-JAN-2009 22:27:14; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;36098  
29; 4085.4; 24-JAN-2009 22:30:09; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;36098  
30; 4289.7; 24-JAN-2009 22:33:34; Bright; 38.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 76; 0;36098  
31; 4473.2; 24-JAN-2009 22:36:37; Bright; 58.0; 133; 40Zet Her ; 2.81; 6000;occ; 116; 0;36098  
32; 4674.3; 24-JAN-2009 22:39:58; Bright; 60.0; 127; 27Bet Her ; 2.78; 4700;occ; 120; 0;36098  
33; 4771.4; 24-JAN-2009 22:41:35; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;36098  
34; 4898.3; 24-JAN-2009 22:43:42; Bright; 34.0; 126; 60Bet Oph ; 2.77; 4250;occ; 68; 0;36098  
35; 5240.7; 24-JAN-2009 22:49:25; Dark ; 43.0; 98; 13Zet Oph ; 2.57; 30000;occ; 86; 0;36098

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1; -524.3; 24-JAN-2009 22:53:56; Dark ; 50.0; 16; 21Alp Sco ; 1.02; 3000;occ; 100; 0;36098  
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4; -66.7; 24-JAN-2009 23:01:33; Dark ; 43.0; 109; Bet Lup ; 2.68; 26000;occ; 86; 0;36098  
5; 40.9; 24-JAN-2009 23:03:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36099  
6; 143.4; 24-JAN-2009 23:05:03; Dark ; 55.0; 4; Alp1Cen ; -0.01; 5800;occ; 110; 0;36099  
7; 235.3; 24-JAN-2009 23:06:35; Dark ; 42.0; 77; Eps Cen ; 2.30; 28000;occ; 84; 0;36099  
8; 417.0; 24-JAN-2009 23:09:37; Dark ; 39.5; 12; Alp1Cru ; 0.77; 30000;occ; 79; 0;36099  
9; 511.8; 24-JAN-2009 23:11:12; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;36099  
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 12; 897.7; 24-JAN-2009 23:17:37; Dark ; 43.0; 46; Del Vel ; 1.95; 10600;occ; 86; 0;36099  
 13; 1053.7; 24-JAN-2009 23:20:13; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;36099  
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 16; 1416.6; 24-JAN-2009 23:26:16; Dark ; 41.0; 23; 21Eps CMA ; 1.50; 26000;occ; 82; 0;36099  
 17; 1499.6; 24-JAN-2009 23:27:39; Dark ; 39.5; 179; 240mi2CMA ; 3.03; 24000;occ; 79; 0;36099  
 18; 1629.4; 24-JAN-2009 23:29:49; Dark ; 43.5; 1; 9Alp CMA ; -1.44; 11000;occ; 87; 0;36099  
 19; 1995.4; 24-JAN-2009 23:35:55; Dark ; 50.0; 8; 10Alp CMI ; 0.40; 6500;occ; 100; 0;36099  
 20; 2188.5; 24-JAN-2009 23:39:08; Bright; 37.5; 44; 24Gam Gem ; 1.93; 11000;occ; 75; 0;36099  
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 22; 2414.2; 24-JAN-2009 23:42:54; Bright; 41.5; 17; 78Bet Gem ; 1.16; 4500;occ; 83; 0;36099  
 23; 2549.5; 24-JAN-2009 23:45:09; Bright; 35.0; 107; 37The Aur ; 2.65; 11000;occ; 70; 0;36099  
 24; 2677.5; 24-JAN-2009 23:47:17; Bright; 34.5; 42; 34Bet Aur ; 1.90; 10200;occ; 69; 0;36099  
 25; 3426.3; 24-JAN-2009 23:59:46; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;36099  
 26; 3635.7; 25-JAN-2009 00:03:15; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;36099  
 27; 3910.4; 25-JAN-2009 00:07:50; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;36099  
 28; 4085.4; 25-JAN-2009 00:10:45; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;36099  
 29; 4289.7; 25-JAN-2009 00:14:09; Bright; 35.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 71; 0;36099  
 30; 4473.3; 25-JAN-2009 00:17:13; Bright; 39.0; 133; 40Zet Her ; 2.81; 6000;occ; 78; 0;36099  
 31; 4674.7; 25-JAN-2009 00:20:34; Bright; 60.0; 127; 27Bet Her ; 2.78; 4700;occ; 120; 0;36099  
 32; 4771.4; 25-JAN-2009 00:22:11; Bright; 35.5; 59; 55Alp Oph ; 2.08; 8900;occ; 71; 0;36099  
 33; 4897.9; 25-JAN-2009 00:24:18; Bright; 51.0; 126; 60Bet Oph ; 2.77; 4250;occ; 102; 0;36099  
 34; 5240.9; 25-JAN-2009 00:30:01; Dark ; 44.5; 98; 13Zet Oph ; 2.57; 30000;occ; 89; 0;36099

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1; -2397.6; 24-JAN-2009 07:17:19; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;36089  
 2; -2124.2; 24-JAN-2009 07:21:52; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;36089  
 3; -1950.6; 24-JAN-2009 07:24:46; Bright; 53.0; 130; 23Bet Dra ; 2.80; 5800;occ; 106; 0;36089  
 4; -1564.0; 24-JAN-2009 07:31:13; Bright; 38.5; 133; 40Zet Her ; 2.81; 6000;occ; 77; 0;36089  
 5; -1363.8; 24-JAN-2009 07:34:33; Bright; 60.0; 127; 27Bet Her ; 2.78; 4700;occ; 120; 0;36089  
 6; -1266.8; 24-JAN-2009 07:36:10; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;36089  
 7; -1140.1; 24-JAN-2009 07:38:16; Bright; 34.0; 126; 60Bet Oph ; 2.77; 4250;occ; 68; 0;36089  
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 10; -443.0; 24-JAN-2009 07:49:54; Dark ; 43.0; 75; 26Eps Sco ; 2.29; 4250;occ; 86; 0;36089  
 11; -195.3; 24-JAN-2009 07:54:01; Dark ; 42.5; 131; Gam Lup ; 2.80; 26000;occ; 85; 0;36089  
 12; -74.2; 24-JAN-2009 07:56:02; Dark ; 42.0; 109; Bet Lup ; 2.68; 26000;occ; 84; 0;36089  
 13; 35.1; 24-JAN-2009 07:57:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36090  
 14; 138.8; 24-JAN-2009 07:59:35; Dark ; 46.0; 4; Alp1Cen ; -0.01; 5800;occ; 92; 0;36090  
 15; 228.6; 24-JAN-2009 08:01:05; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;36090  
 16; 412.2; 24-JAN-2009 08:04:09; Dark ; 44.5; 12; Alp1Cru ; 0.77; 30000;occ; 89; 0;36090  
 17; 504.8; 24-JAN-2009 08:05:41; Dark ; 43.5; 99; Del Cen ; 2.58; 26000;occ; 87; 0;36090  
 18; 655.5; 24-JAN-2009 08:08:12; Dark ; 37.0; 29; Bet Car ; 1.67; 10200;occ; 74; 0;36090  
 19; 786.0; 24-JAN-2009 08:10:23; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;36090  
 20; 894.4; 24-JAN-2009 08:12:11; Dark ; 40.0; 46; Del Vel ; 1.95; 10600;occ; 80; 0;36090  
 21; 1050.9; 24-JAN-2009 08:14:47; Dark ; 40.0; 34; Gam2Vel ; 1.79; 23000;occ; 80; 0;36090  
 22; 1177.2; 24-JAN-2009 08:16:54; Dark ; 40.0; 70; Zet Pup ; 2.25; 39000;occ; 80; 0;36090  
 23; 1267.3; 24-JAN-2009 08:18:24; Dark ; 43.5; 117; Pi Pup ; 2.71; 3800;occ; 87; 0;36090  
 24; 1415.1; 24-JAN-2009 08:20:52; Dark ; 41.0; 23; 21Eps CMA ; 1.50; 26000;occ; 82; 0;36090  
 25; 1498.1; 24-JAN-2009 08:22:15; Dark ; 39.0; 179; 240mi2CMA ; 3.03; 24000;occ; 78; 0;36090  
 26; 1628.4; 24-JAN-2009 08:24:25; Dark ; 27.5; 1; 9Alp CMA ; -1.44; 11000;occ; 55; 0;36090

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1; 1628.4; 24-JAN-2009 08:24:25; Dark ; 44.0; 1; 9Alp CMA ; -1.44; 11000;occ; 88; 0;36090  
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 4; 2294.5; 24-JAN-2009 08:35:31; Bright; 39.0; 151; 13Mu Gem ; 2.89; 3000;occ; 78; 0;36090  
 5; 2416.4; 24-JAN-2009 08:37:33; Bright; 43.5; 17; 78Bet Gem ; 1.16; 4500;occ; 87; 0;36090  
 6; 2548.5; 24-JAN-2009 08:39:45; Bright; 35.0; 107; 37The Aur ; 2.65; 11000;occ; 70; 0;36090  
 7; 2676.5; 24-JAN-2009 08:41:53; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;36090  
 8; 3426.4; 24-JAN-2009 08:54:23; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;36090  
 9; 3638.2; 24-JAN-2009 08:57:55; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;36090  
 10; 3911.6; 24-JAN-2009 09:02:28; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;36090  
 11; 4085.3; 24-JAN-2009 09:05:22; Bright; 53.0; 130; 23Bet Dra ; 2.80; 5800;occ; 106; 0;36090  
 12; 4472.0; 24-JAN-2009 09:11:49; Bright; 40.0; 133; 40Zet Her ; 2.81; 6000;occ; 80; 0;36090  
 13; 4672.0; 24-JAN-2009 09:15:09; Bright; 43.0; 127; 27Bet Her ; 2.78; 4700;occ; 86; 0;36090  
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17; 5506.8; 24-JAN-2009 09:29:03; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;36090  
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 21; 6071.6; 24-JAN-2009 09:38:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36090  
 22; 6175.2; 24-JAN-2009 09:40:12; Dark ; 41.5; 4; Alp1Cen ;-0.01; 5800;occ; 83; 0;36090  
 23; 6265.3; 24-JAN-2009 09:41:42; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;36090  
 24; 6448.8; 24-JAN-2009 09:44:45; Dark ; 39.5; 12; Alp1Cru ; 0.77; 30000;occ; 79; 0;36090  
 25; 6541.2; 24-JAN-2009 09:46:18; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;36090  
 26; 6691.3; 24-JAN-2009 09:48:48; Dark ; 39.0; 29; Bet Car ; 1.67; 10200;occ; 78; 0;36090  
 27; 6822.3; 24-JAN-2009 09:50:59; Dark ; 38.5; 71; Iot Car ; 2.25; 7700;occ; 77; 0;36090  
 28; 6931.2; 24-JAN-2009 09:52:48; Dark ; 43.0; 46; Del Vel ; 1.95; 10600;occ; 86; 0;36090  
 29; 7087.4; 24-JAN-2009 09:55:24; Dark ; 41.0; 34; Gam2Vel ; 1.79; 23000;occ; 82; 0;36090  
 30; 7213.8; 24-JAN-2009 09:57:30; Dark ; 41.0; 70; Zet Pup ; 2.25; 39000;occ; 82; 0;36090  
 31; 7302.6; 24-JAN-2009 09:58:59; Dark ; 44.5; 117; Pi Pup ; 2.71; 3800;occ; 89; 0;36090  
 32; 7451.6; 24-JAN-2009 10:01:28; Dark ; 39.5; 23; 21Eps CMa ; 1.50; 26000;occ; 79; 0;36090  
 33; 7534.6; 24-JAN-2009 10:02:51; Dark ; 39.0; 179; 240mi2CMa ; 3.03; 24000;occ; 78; 0;36090  
 34; 7663.6; 24-JAN-2009 10:05:00; Dark ; 41.5; 1; 9Alp CMa ;-1.44; 11000;occ; 83; 0;36090

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 5; 2416.1; 24-JAN-2009 10:18:09; Bright; 42.0; 17; 78Bet Gem ; 1.16; 4500;occ; 84; 0;36091  
 6; 2548.2; 24-JAN-2009 10:20:21; Bright; 36.0; 107; 37The Aur ; 2.65; 11000;occ; 72; 0;36091  
 7; 2676.8; 24-JAN-2009 10:22:29; Bright; 35.5; 42; 34Bet Aur ; 1.90; 10200;occ; 71; 0;36091  
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 9; 3637.7; 24-JAN-2009 10:38:30; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;36091  
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 32; 7451.5; 24-JAN-2009 11:42:04; Dark ; 42.0; 23; 21Eps CMa ; 1.50; 26000;occ; 84; 0;36091  
 33; 7535.2; 24-JAN-2009 11:43:28; Dark ; 36.5; 179; 240mi2CMa ; 3.03; 24000;occ; 73; 0;36091

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 21; 5853.0; 25-JAN-2009 14:05:00; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;36107  
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 23; 6082.7; 25-JAN-2009 14:08:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36107  
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 25; 6278.3; 25-JAN-2009 14:12:05; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;36107  
 26; 6457.9; 25-JAN-2009 14:15:05; Dark ; 40.0; 12; Alp1Cru ; 0.77; 30000;occ; 80; 0;36107  
 27; 6555.5; 25-JAN-2009 14:16:42; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;36107  
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 30; 6936.9; 25-JAN-2009 14:23:04; Dark ; 38.0; 46; Del Vel ; 1.95; 10600;occ; 76; 0;36107  
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 5; 1995.0; 25-JAN-2009 14:41:18; Dark ; 48.5; 8; 10Alp CMi ; 0.40; 6500;occ; 97; 0;36108  
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 27; 6458.7; 25-JAN-2009 15:55:42; Dark ; 40.5; 12; Alp1Cru ; 0.77; 30000;occ; 81; 0;36108  
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 29; 6696.0; 25-JAN-2009 15:59:39; Dark ; 37.0; 29; Bet Car ; 1.67; 10200;occ; 74; 0;36108  
 30; 6829.2; 25-JAN-2009 16:01:52; Dark ; 38.5; 71; Iot Car ; 2.25; 7700;occ; 77; 0;36108  
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 21; 4901.0; 25-JAN-2009 18:50:56; Bright; 52.0; 126; 60Bet Oph ; 2.77; 4250;occ; 104; 0;36110  
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 23; 5518.6; 25-JAN-2009 19:01:14; Dark ; 49.0; 16; 21Alp Sco ; 1.02; 3000;occ; 98; 0;36110  
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 29; 6280.5; 25-JAN-2009 19:13:55; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;36110  
 30; 6459.9; 25-JAN-2009 19:16:55; Dark ; 40.0; 12; Alp1Cru ; 0.77; 30000;occ; 80; 0;36110  
 31; 6557.9; 25-JAN-2009 19:18:33; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;36110  
 32; 6696.4; 25-JAN-2009 19:20:51; Dark ; 38.5; 29; Bet Car ; 1.67; 10200;occ; 77; 0;36110  
 33; 6829.9; 25-JAN-2009 19:23:05; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;36110  
 34; 6938.0; 25-JAN-2009 19:24:53; Dark ; 40.0; 46; Del Vel ; 1.95; 10600;occ; 80; 0;36110  
 35; 7092.9; 25-JAN-2009 19:27:28; Dark ; 36.5; 34; Gam2Vel ; 1.79; 23000;occ; 73; 0;36110

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 9; 2296.9; 25-JAN-2009 19:48:08; Bright; 39.0; 151; 13Mu Gem ; 2.89; 3000;occ; 78; 0;36111  
 10; 2411.0; 25-JAN-2009 19:50:02; Bright; 42.5; 17; 78Bet Gem ; 1.16; 4500;occ; 85; 0;36111  
 11; 2551.6; 25-JAN-2009 19:52:22; Bright; 35.5; 107; 37The Aur ; 2.65; 11000;occ; 71; 0;36111  
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 18; 4475.0; 25-JAN-2009 20:24:26; Bright; 58.0; 133; 40Zet Her ; 2.81; 6000;occ; 116; 0;36111  
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 7; 1507.3; 27-JAN-2009 20:12:20; Dark ; 34.5; 179; 240mi2CMa ; 3.03; 24000;occ; 69; 0;36140  
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 12; 2556.1; 27-JAN-2009 20:29:49; Bright; 36.0; 107; 37The Aur ; 2.65; 11000;occ; 72; 0;36140  
 13; 2683.0; 27-JAN-2009 20:31:56; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;36140  
 14; 3427.3; 27-JAN-2009 20:44:20; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;36140  
 15; 3627.4; 27-JAN-2009 20:47:40; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;36140  
 16; 3905.2; 27-JAN-2009 20:52:18; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;36140  
 17; 4086.6; 27-JAN-2009 20:55:19; Bright; 54.0; 130; 23Bet Dra ; 2.80; 5800;occ; 108; 0;36140  
 18; 4296.4; 27-JAN-2009 20:58:49; Bright; 40.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 80; 0;36140  
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 21; 4909.3; 27-JAN-2009 21:09:02; Bright; 52.5; 126; 60Bet Oph ; 2.77; 4250;occ; 105; 0;36140

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 6; 68.7; 27-JAN-2009 21:28:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36141  
 7; 165.5; 27-JAN-2009 21:30:34; Dark ; 42.5; 4; Alp1Cen ; -0.01; 5800;occ; 85; 0;36141  
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 13; 911.9; 27-JAN-2009 21:43:00; Dark ; 38.5; 46; Del Vel ; 1.95; 10600;occ; 77; 0;36141  
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 22; 2403.9; 27-JAN-2009 22:07:52; Bright; 42.0; 17; 78Bet Gem ; 1.16; 4500;occ; 84; 0;36141  
 23; 2556.3; 27-JAN-2009 22:10:25; Bright; 35.0; 107; 37The Aur ; 2.65; 11000;occ; 70; 0;36141  
 24; 2683.2; 27-JAN-2009 22:12:32; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;36141  
 25; 3427.4; 27-JAN-2009 22:24:56; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;36141  
 26; 3626.9; 27-JAN-2009 22:28:15; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;36141  
 27; 3905.3; 27-JAN-2009 22:32:54; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;36141  
 28; 4086.8; 27-JAN-2009 22:35:55; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;36141  
 29; 4296.6; 27-JAN-2009 22:39:25; Bright; 52.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 104; 0;36141  
 30; 4479.4; 27-JAN-2009 22:42:28; Bright; 60.0; 133; 40Zet Her ; 2.81; 6000;occ; 120; 0;36141  
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 32; 4909.5; 27-JAN-2009 22:49:38; Bright; 36.0; 126; 60Bet Oph ; 2.77; 4250;occ; 72; 0;36141  
 33; 5288.7; 27-JAN-2009 22:55:57; Dark ; 39.5; 86; 35Eta Oph ; 2.43; 10200;occ; 79; 0;36141

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 6; 69.3; 27-JAN-2009 23:09:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36142  
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 22; 2403.7; 27-JAN-2009 23:48:28; Bright; 40.5; 17; 78Bet Gem ; 1.16; 4500;occ; 81; 0;36142  
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 27; 3905.2; 28-JAN-2009 00:13:29; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;36142  
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 11; 805.7; 28-JAN-2009 01:02:26; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;36143  
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 25; 3626.5; 28-JAN-2009 01:49:27; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;36143  
 26; 3904.8; 28-JAN-2009 01:54:05; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;36143  
 27; 4087.3; 28-JAN-2009 01:57:07; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;36143  
 28; 4297.4; 28-JAN-2009 02:00:38; Bright; 35.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 71; 0;36143  
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5; -154.8; 28-JAN-2009 02:27:01; Dark ; 14.0; 131; Gam Lup ; 2.80; 26000;occ; 28; 0;36143
6; -29.2; 28-JAN-2009 02:29:07; Dark ; 44.0; 109; Bet Lup ; 2.68; 26000;occ; 88; 0;36143
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1; -717.8; 31-JAN-2009 22:30:35; Dark ; 29.5; 86; 35Eta Oph ; 2.43; 10200;occ; 59; 6;36198  
 2; -461.8; 31-JAN-2009 22:34:51; Dark ; 33.0; 16; 21Alp Sco ; 1.02; 3000;occ; 66; 0;36198  
 3; -329.7; 31-JAN-2009 22:37:03; Dark ; 28.5; 40; The Sco ; 1.86; 7100;occ; 57; 0;36198  
 4; -114.4; 31-JAN-2009 22:40:38; Dark ; 35.5; 131; Gam Lup ; 2.80; 26000;occ; 71; 0;36198  
 5; 19.6; 31-JAN-2009 22:42:52; Dark ; 37.5; 109; Bet Lup ; 2.68; 26000;occ; 75; 0;36199  
 6; 108.6; 31-JAN-2009 22:44:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36199  
 7; 195.9; 31-JAN-2009 22:45:49; Dark ; 33.0; 4; Alp1Cen ; -0.01; 5800;occ; 66; 0;36199  
 8; 312.7; 31-JAN-2009 22:47:46; Dark ; 36.5; 77; Eps Cen ; 2.30; 28000;occ; 73; 0;36199  
 9; 471.7; 31-JAN-2009 22:50:24; Dark ; 32.5; 12; Alp1Cru ; 0.77; 30000;occ; 65; 0;36199  
 10; 593.4; 31-JAN-2009 22:52:26; Dark ; 37.0; 99; Del Cen ; 2.58; 26000;occ; 74; 0;36199  
 11; 709.5; 31-JAN-2009 22:54:22; Dark ; 30.0; 159; Ups Car ; 2.92; 7200;occ; 60; 0;36199  
 12; 824.4; 31-JAN-2009 22:56:17; Dark ; 30.0; 71; Iot Car ; 2.25; 7700;occ; 60; 0;36199  
 13; 928.8; 31-JAN-2009 22:58:02; Dark ; 30.5; 46; Del Vel ; 1.95; 10600;occ; 61; 0;36199  
 14; 1080.2; 31-JAN-2009 23:00:33; Dark ; 29.5; 34; Gam2Vel ; 1.79; 23000;occ; 59; 0;36199  
 15; 1205.5; 31-JAN-2009 23:02:38; Dark ; 29.5; 70; Zet Pup ; 2.25; 39000;occ; 59; 0;36199  
 16; 1413.0; 31-JAN-2009 23:06:06; Dark ; 28.5; 88; 31Eta CMa ; 2.45; 20000;occ; 57; 0;36199  
 17; 1992.6; 31-JAN-2009 23:15:45; Dark ; 31.0; 8; 10Alp CMI ; 0.40; 6500;occ; 62; 0;36199  
 18; 2199.6; 31-JAN-2009 23:19:12; Bright; 29.5; 44; 24Gam Gem ; 1.93; 11000;occ; 59; 0;36199  
 19; 2341.5; 31-JAN-2009 23:21:34; Bright; 30.0; 170; 27Eps Gem ; 3.00; 9700;occ; 60; 0;36199  
 20; 2455.3; 31-JAN-2009 23:23:28; Bright; 32.0; 24; 66Alp Gem ; 1.58; 10200;occ; 64; 0;36199  
 21; 3427.8; 31-JAN-2009 23:39:41; Bright; 28.0; 49; 1Alp UMi ; 1.99; 6300;occ; 56; 0;36199  
 22; 3612.8; 31-JAN-2009 23:42:46; Bright; 30.0; 60; 7Bet UMi ; 2.08; 3950;occ; 60; 0;36199  
 23; 3895.5; 31-JAN-2009 23:47:28; Bright; 29.0; 119; 14Eta Dra ; 2.73; 4700;occ; 58; 0;36199  
 24; 4087.3; 31-JAN-2009 23:50:40; Bright; 26.0; 130; 23Bet Dra ; 2.80; 5800;occ; 52; 0;36199  
 25; 4305.6; 31-JAN-2009 23:54:18; Bright; 24.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 48; 0;36199  
 26; 4798.3; 01-FEB-2009 00:02:31; Bright; 26.5; 59; 55Alp Oph ; 2.08; 8900;occ; 53; 0;36199  
 27; 4926.4; 01-FEB-2009 00:04:39; Bright; 26.5; 126; 60Bet Oph ; 2.77; 4250;occ; 53; 0;36199  
 28; 5315.8; 01-FEB-2009 00:11:09; Dark ; 29.0; 86; 35Eta Oph ; 2.43; 10200;occ; 58; 0;36199

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1; -2406.3; 31-JAN-2009 06:57:03; Bright; 32.0; 60; 7Bet UMi ; 2.08; 3950;occ; 64; 29;36189  
 2; -2138.4; 31-JAN-2009 07:01:31; Bright; 30.5; 119; 14Eta Dra ; 2.73; 4700;occ; 61; 0;36189  
 3; -1948.2; 31-JAN-2009 07:04:41; Bright; 27.0; 130; 23Bet Dra ; 2.80; 5800;occ; 54; 0;36189  
 4; -1731.8; 31-JAN-2009 07:08:18; Bright; 25.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 51; 0;36189  
 5; -1239.8; 31-JAN-2009 07:16:30; Bright; 27.5; 59; 55Alp Oph ; 2.08; 8900;occ; 55; 0;36189  
 6; -1112.8; 31-JAN-2009 07:18:37; Bright; 28.0; 126; 60Bet Oph ; 2.77; 4250;occ; 56; 0;36189  
 7; -725.3; 31-JAN-2009 07:25:04; Dark ; 31.0; 86; 35Eta Oph ; 2.43; 10200;occ; 62; 0;36189  
 8; -468.2; 31-JAN-2009 07:29:21; Dark ; 35.0; 16; 21Alp Sco ; 1.02; 3000;occ; 70; 0;36189  
 9; -332.1; 31-JAN-2009 07:31:37; Dark ; 30.0; 40; The Sco ; 1.86; 7100;occ; 60; 0;36189  
 10; -121.8; 31-JAN-2009 07:35:08; Dark ; 37.5; 131; Gam Lup ; 2.80; 26000;occ; 75; 0;36189  
 11; 11.4; 31-JAN-2009 07:37:21; Dark ; 39.5; 109; Bet Lup ; 2.68; 26000;occ; 79; 0;36190  
 12; 102.3; 31-JAN-2009 07:38:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36190  
 13; 191.0; 31-JAN-2009 07:40:20; Dark ; 35.0; 4; Alp1Cen ; -0.01; 5800;occ; 70; 0;36190  
 14; 306.0; 31-JAN-2009 07:42:15; Dark ; 38.5; 77; Eps Cen ; 2.30; 28000;occ; 77; 0;36190  
 15; 466.9; 31-JAN-2009 07:44:56; Dark ; 34.5; 12; Alp1Cru ; 0.77; 30000;occ; 69; 0;36190  
 16; 586.3; 31-JAN-2009 07:46:56; Dark ; 39.5; 99; Del Cen ; 2.58; 26000;occ; 79; 0;36190  
 17; 706.7; 31-JAN-2009 07:48:56; Dark ; 32.0; 159; Ups Car ; 2.92; 7200;occ; 64; 0;36190  
 18; 821.5; 31-JAN-2009 07:50:51; Dark ; 32.0; 71; Iot Car ; 2.25; 7700;occ; 64; 0;36190  
 19; 926.5; 31-JAN-2009 07:52:36; Dark ; 32.0; 46; Del Vel ; 1.95; 10600;occ; 64; 0;36190  
 20; 1079.1; 31-JAN-2009 07:55:08; Dark ; 30.5; 34; Gam2Vel ; 1.79; 23000;occ; 61; 0;36190  
 21; 1204.1; 31-JAN-2009 07:57:13; Dark ; 30.5; 70; Zet Pup ; 2.25; 39000;occ; 61; 0;36190  
 22; 1411.6; 31-JAN-2009 08:00:41; Dark ; 29.5; 88; 31Eta CMa ; 2.45; 20000;occ; 59; 0;36190

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1; 1993.0; 31-JAN-2009 08:10:22; Dark ; 32.5; 8; 10Alp CMI ; 0.40; 6500;occ; 65; 0;36190  
 2; 2198.3; 31-JAN-2009 08:13:48; Bright; 31.5; 44; 24Gam Gem ; 1.93; 11000;occ; 63; 0;36190

3; 2340.6; 31-JAN-2009 08:16:10; Bright; 32.0; 170; 27Eps Gem ; 3.00; 9700;occ; 64; 0;36190  
4; 2456.6; 31-JAN-2009 08:18:06; Bright; 34.0; 24; 66Alp Gem ; 1.58; 10200;occ; 68; 0;36190  
5; 3427.8; 31-JAN-2009 08:34:17; Bright; 29.5; 49; 1Alp UMi ; 1.99; 6300;occ; 59; 0;36190  
6; 3614.8; 31-JAN-2009 08:37:24; Bright; 32.0; 60; 7Bet UMi ; 2.08; 3950;occ; 64; 0;36190  
7; 3897.8; 31-JAN-2009 08:42:07; Bright; 30.5; 119; 14Eta Dra ; 2.73; 4700;occ; 61; 0;36190  
8; 4087.4; 31-JAN-2009 08:45:17; Bright; 27.5; 130; 23Bet Dra ; 2.80; 5800;occ; 55; 0;36190  
9; 4304.3; 31-JAN-2009 08:48:54; Bright; 25.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 51; 0;36190  
10; 4795.7; 31-JAN-2009 08:57:05; Bright; 28.5; 59; 55Alp Oph ; 2.08; 8900;occ; 57; 0;36190  
11; 4923.4; 31-JAN-2009 08:59:13; Bright; 28.5; 126; 60Bet Oph ; 2.77; 4250;occ; 57; 0;36190  
12; 5311.0; 31-JAN-2009 09:05:40; Dark ; 31.5; 86; 35Eta Oph ; 2.43; 10200;occ; 63; 0;36190  
13; 5568.8; 31-JAN-2009 09:09:58; Dark ; 34.5; 16; 21Alp Sco ; 1.02; 3000;occ; 69; 0;36190  
14; 5704.2; 31-JAN-2009 09:12:14; Dark ; 30.0; 40; The Sco ; 1.86; 7100;occ; 60; 0;36190  
15; 5915.0; 31-JAN-2009 09:15:44; Dark ; 37.5; 131; Gam Lup ; 2.80; 26000;occ; 75; 0;36190  
16; 6048.1; 31-JAN-2009 09:17:57; Dark ; 39.5; 109; Bet Lup ; 2.68; 26000;occ; 79; 0;36190  
17; 6138.9; 31-JAN-2009 09:19:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36190  
18; 6227.5; 31-JAN-2009 09:20:57; Dark ; 35.0; 4; Alp1Cen ; -0.01; 5800;occ; 70; 0;36190  
19; 6342.8; 31-JAN-2009 09:22:52; Dark ; 38.5; 77; Eps Cen ; 2.30; 28000;occ; 77; 0;36190  
20; 6503.3; 31-JAN-2009 09:25:33; Dark ; 34.5; 12; Alp1Cru ; 0.77; 30000;occ; 69; 0;36190  
21; 6623.0; 31-JAN-2009 09:27:32; Dark ; 39.5; 99; Del Cen ; 2.58; 26000;occ; 79; 0;36190  
22; 6742.9; 31-JAN-2009 09:29:32; Dark ; 32.0; 159; Ups Car ; 2.92; 7200;occ; 64; 0;36190  
23; 6858.2; 31-JAN-2009 09:31:28; Dark ; 31.5; 71; Iot Car ; 2.25; 7700;occ; 63; 0;36190  
24; 6963.7; 31-JAN-2009 09:33:13; Dark ; 30.5; 46; Del Vel ; 1.95; 10600;occ; 61; 0;36190  
25; 7115.0; 31-JAN-2009 09:35:44; Dark ; 30.5; 34; Gam2Vel ; 1.79; 23000;occ; 61; 0;36190  
26; 7239.9; 31-JAN-2009 09:37:49; Dark ; 31.0; 70; Zet Pup ; 2.25; 39000;occ; 62; 0;36190  
27; 7447.5; 31-JAN-2009 09:41:17; Dark ; 29.5; 88; 31Eta CMa ; 2.45; 20000;occ; 59; 0;36190

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1; 1993.2; 31-JAN-2009 09:50:59; Dark ; 32.5; 8; 10Alp CMI ; 0.40; 6500;occ; 65; 0;36191  
2; 2198.4; 31-JAN-2009 09:54:24; Bright; 31.5; 44; 24Gam Gem ; 1.93; 11000;occ; 63; 0;36191  
3; 2340.6; 31-JAN-2009 09:56:46; Bright; 32.0; 170; 27Eps Gem ; 3.00; 9700;occ; 64; 0;36191  
4; 2456.5; 31-JAN-2009 09:58:42; Bright; 34.0; 24; 66Alp Gem ; 1.58; 10200;occ; 68; 0;36191  
5; 3427.5; 31-JAN-2009 10:14:53; Bright; 29.5; 49; 1Alp UMi ; 1.99; 6300;occ; 59; 0;36191  
6; 3614.9; 31-JAN-2009 10:18:00; Bright; 31.5; 60; 7Bet UMi ; 2.08; 3950;occ; 63; 0;36191  
7; 3897.4; 31-JAN-2009 10:22:43; Bright; 30.5; 119; 14Eta Dra ; 2.73; 4700;occ; 61; 0;36191  
8; 4086.8; 31-JAN-2009 10:25:52; Bright; 28.0; 130; 23Bet Dra ; 2.80; 5800;occ; 56; 0;36191  
9; 4304.4; 31-JAN-2009 10:29:30; Bright; 25.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 51; 0;36191  
10; 4795.8; 31-JAN-2009 10:37:41; Bright; 28.0; 59; 55Alp Oph ; 2.08; 8900;occ; 56; 0;36191  
11; 4923.9; 31-JAN-2009 10:39:49; Bright; 28.0; 126; 60Bet Oph ; 2.77; 4250;occ; 56; 0;36191  
12; 5311.4; 31-JAN-2009 10:46:17; Dark ; 31.0; 86; 35Eta Oph ; 2.43; 10200;occ; 62; 0;36191  
13; 5569.0; 31-JAN-2009 10:50:34; Dark ; 35.0; 16; 21Alp Sco ; 1.02; 3000;occ; 70; 0;36191  
14; 5704.4; 31-JAN-2009 10:52:50; Dark ; 29.5; 40; The Sco ; 1.86; 7100;occ; 59; 0;36191  
15; 5916.3; 31-JAN-2009 10:56:22; Dark ; 36.5; 131; Gam Lup ; 2.80; 26000;occ; 73; 0;36191  
16; 6049.2; 31-JAN-2009 10:58:35; Dark ; 39.0; 109; Bet Lup ; 2.68; 26000;occ; 78; 0;36191  
17; 6139.6; 31-JAN-2009 11:00:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36191  
18; 6227.9; 31-JAN-2009 11:01:33; Dark ; 34.5; 4; Alp1Cen ; -0.01; 5800;occ; 69; 0;36191  
19; 6343.5; 31-JAN-2009 11:03:29; Dark ; 37.5; 77; Eps Cen ; 2.30; 28000;occ; 75; 0;36191  
20; 6504.0; 31-JAN-2009 11:06:09; Dark ; 34.0; 12; Alp1Cru ; 0.77; 30000;occ; 68; 0;36191  
21; 6623.8; 31-JAN-2009 11:08:09; Dark ; 39.0; 99; Del Cen ; 2.58; 26000;occ; 78; 0;36191  
22; 6742.9; 31-JAN-2009 11:10:08; Dark ; 31.5; 159; Ups Car ; 2.92; 7200;occ; 63; 0;36191  
23; 6858.1; 31-JAN-2009 11:12:03; Dark ; 31.5; 71; Iot Car ; 2.25; 7700;occ; 63; 0;36191  
24; 6963.6; 31-JAN-2009 11:13:49; Dark ; 30.5; 46; Del Vel ; 1.95; 10600;occ; 61; 0;36191  
25; 7114.9; 31-JAN-2009 11:16:20; Dark ; 30.5; 34; Gam2Vel ; 1.79; 23000;occ; 61; 0;36191  
26; 7239.7; 31-JAN-2009 11:18:25; Dark ; 31.0; 70; Zet Pup ; 2.25; 39000;occ; 62; 0;36191  
27; 7447.2; 31-JAN-2009 11:21:52; Dark ; 29.5; 88; 31Eta CMa ; 2.45; 20000;occ; 59; 0;36191

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1; 1992.8; 31-JAN-2009 11:31:34; Dark ; 32.5; 8; 10Alp CMI ; 0.40; 6500;occ; 65; 0;36192  
2; 2198.9; 31-JAN-2009 11:35:00; Bright; 31.0; 44; 24Gam Gem ; 1.93; 11000;occ; 62; 0;36192  
3; 2341.0; 31-JAN-2009 11:37:22; Bright; 31.0; 170; 27Eps Gem ; 3.00; 9700;occ; 62; 0;36192  
4; 2456.5; 31-JAN-2009 11:39:18; Bright; 33.5; 24; 66Alp Gem ; 1.58; 10200;occ; 67; 0;36192  
5; 3427.6; 31-JAN-2009 11:55:29; Bright; 29.5; 49; 1Alp UMi ; 1.99; 6300;occ; 59; 0;36192  
6; 3614.5; 31-JAN-2009 11:58:36; Bright; 31.5; 60; 7Bet UMi ; 2.08; 3950;occ; 63; 0;36192  
7; 3897.3; 31-JAN-2009 12:03:18; Bright; 30.0; 119; 14Eta Dra ; 2.73; 4700;occ; 60; 0;36192  
8; 4087.1; 31-JAN-2009 12:06:28; Bright; 27.5; 130; 23Bet Dra ; 2.80; 5800;occ; 55; 0;36192  
9; 4304.7; 31-JAN-2009 12:10:06; Bright; 25.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 50; 0;36192  
10; 4796.6; 31-JAN-2009 12:18:18; Bright; 27.5; 59; 55Alp Oph ; 2.08; 8900;occ; 55; 0;36192  
11; 4924.8; 31-JAN-2009 12:20:26; Bright; 27.0; 126; 60Bet Oph ; 2.77; 4250;occ; 54; 0;36192  
12; 5311.8; 31-JAN-2009 12:26:53; Dark ; 31.0; 86; 35Eta Oph ; 2.43; 10200;occ; 62; 0;36192  
13; 5569.7; 31-JAN-2009 12:31:11; Dark ; 34.5; 16; 21Alp Sco ; 1.02; 3000;occ; 69; 0;36192  
14; 5704.5; 31-JAN-2009 12:33:26; Dark ; 29.5; 40; The Sco ; 1.86; 7100;occ; 59; 0;36192

|     |         |             |           |      |   |       |      |           |   |        |            |      |         |
|-----|---------|-------------|-----------|------|---|-------|------|-----------|---|--------|------------|------|---------|
| 15; | 5917.0; | 31-JAN-2009 | 12:36:58; | Dark | ; | 36.5; | 131; | Gam Lup   | ; | 2.80;  | 26000;occ; | 73;  | 0;36192 |
| 16; | 6050.0; | 31-JAN-2009 | 12:39:11; | Dark | ; | 39.0; | 109; | Bet Lup   | ; | 2.68;  | 26000;occ; | 78;  | 0;36192 |
| 17; | 6140.3; | 31-JAN-2009 | 12:40:41; | Dark | ; | 59.5; | 0;   |           | ; | 0.00;  | 0;occ;     | 119; | 0;36192 |
| 18; | 6228.2; | 31-JAN-2009 | 12:42:09; | Dark | ; | 34.5; | 4;   | Alp1Cen   | ; | -0.01; | 5800;occ;  | 69;  | 0;36192 |
| 19; | 6344.6; | 31-JAN-2009 | 12:44:06; | Dark | ; | 37.5; | 77;  | Eps Cen   | ; | 2.30;  | 28000;occ; | 75;  | 0;36192 |
| 20; | 6504.4; | 31-JAN-2009 | 12:46:46; | Dark | ; | 34.0; | 12;  | Alp1Cru   | ; | 0.77;  | 30000;occ; | 68;  | 0;36192 |
| 21; | 6624.7; | 31-JAN-2009 | 12:48:46; | Dark | ; | 39.0; | 99;  | Del Cen   | ; | 2.58;  | 26000;occ; | 78;  | 0;36192 |
| 22; | 6743.6; | 31-JAN-2009 | 12:50:45; | Dark | ; | 31.5; | 159; | Ups Car   | ; | 2.92;  | 7200;occ;  | 63;  | 0;36192 |
| 23; | 6858.6; | 31-JAN-2009 | 12:52:40; | Dark | ; | 31.5; | 71;  | Iot Car   | ; | 2.25;  | 7700;occ;  | 63;  | 0;36192 |
| 24; | 6963.8; | 31-JAN-2009 | 12:54:25; | Dark | ; | 31.0; | 46;  | Del Vel   | ; | 1.95;  | 10600;occ; | 62;  | 0;36192 |
| 25; | 7115.0; | 31-JAN-2009 | 12:56:56; | Dark | ; | 30.5; | 34;  | Gam2Vel   | ; | 1.79;  | 23000;occ; | 61;  | 0;36192 |
| 26; | 7240.2; | 31-JAN-2009 | 12:59:01; | Dark | ; | 31.0; | 70;  | Zet Pup   | ; | 2.25;  | 39000;occ; | 62;  | 0;36192 |
| 27; | 7447.5; | 31-JAN-2009 | 13:02:29; | Dark | ; | 29.5; | 88;  | 31Eta CMa | ; | 2.45;  | 20000;occ; | 59;  | 0;36192 |