

# GOMOS Daily Report 05-APR-2008

## Level 0 and Level 1 products

### SUMMARY

#### [1. General Info](#)

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

[2.1 Level 0: products arrived in PCF during current month \(see template here\)](#)

[2.2 Level 0: plot of mission plan versus production during reporting period](#)

[2.3 Level 0: summary of missing occultations with respect to the plan](#)

[2.4 Level 1: products arrived in PCF during reporting period](#)

#### [3. Plot of Spectrometers and Photometers temperatures](#)

#### [4. Dark Charge monitoring](#)

[4.1 Products that did not use the Dark Sky Area observation for DC computation](#)

[4.2 Plot of Dark Charge](#)

#### [5. Demodulation correction and quality product information monitoring](#)

[5.1 Percentage of products with some flags set](#)

[5.2 Plot of quality information per product \(time dependant\)](#)

[5.3 Plot of quality information per product \(world map\)](#)

#### [6. Star tangent altitude lost](#)

[6.1 Statistics on star tangent altitude lost](#)

[6.2 Plot of star tangent altitude lost: DARK products](#)

[6.3 Plot of star tangent altitude lost: BRIGHT products](#)

[6.3 Plot of star tangent altitude lost: TWILIGHT products](#)

#### [7. Star Acquisition and Tracking Unit \(SATU\)](#)

[7.1 SATU plots \(dark limb\): 'X' and 'Y' axis](#)

[7.2 SATU Noise Equivalent Angle statistics](#)

[7.2.1 SATU NEA Statistics \(table\)](#)

[7.2.2 Daily SATU NEA STD \(dark limb\) - trend since 1st April 2006](#)

[8. Auxiliary Data Files used for the production reported in section 2.4](#)

## [Level 2 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 | 07APR2008 08:24:31              |
| Data source version       | GOMOS/5.00                      |
| Start time of products    | 05-04-2008 (05APR2008 00:00:00) |
| Stop time of products     | 06-04-2008 (06APR2008 00:00:00) |
| Store outputs in DB       | Yes                             |
| Nb of level 1b prods      | 30                              |
| Nb of prods with errors   | 0                               |

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

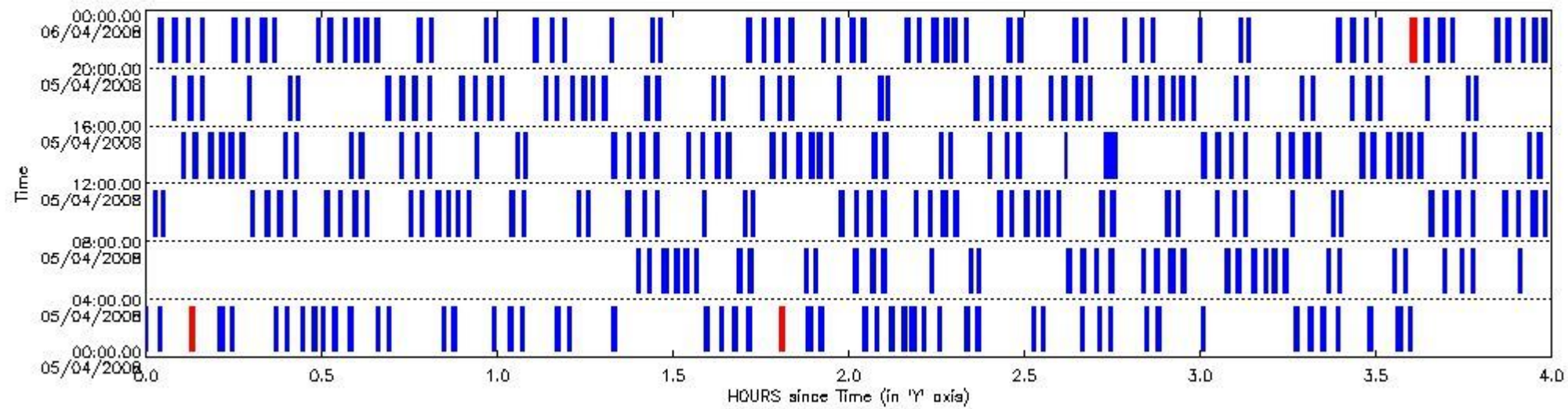
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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)

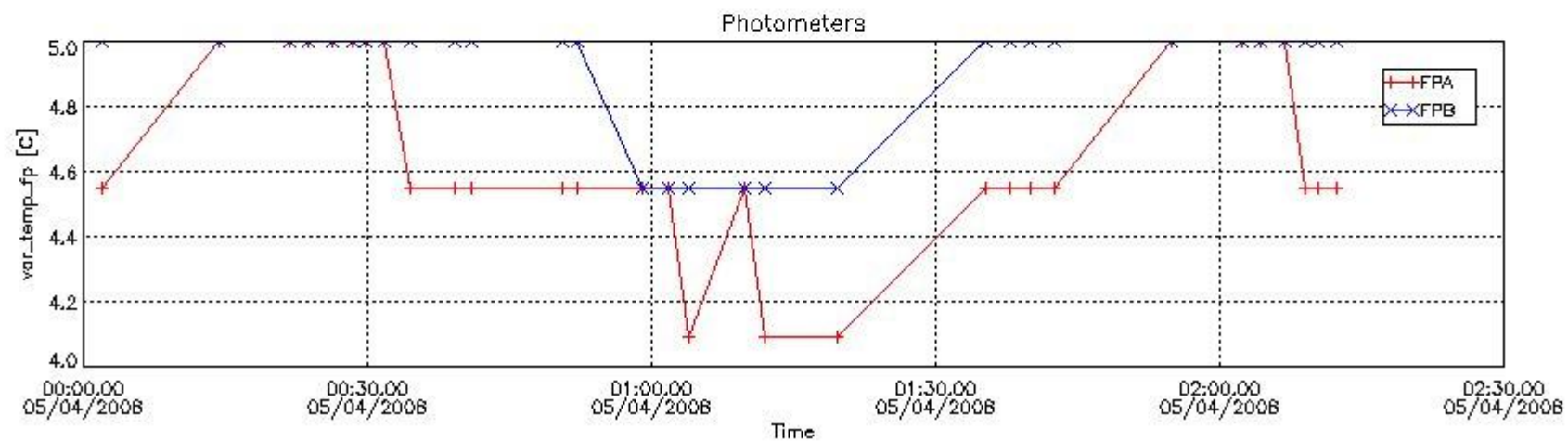
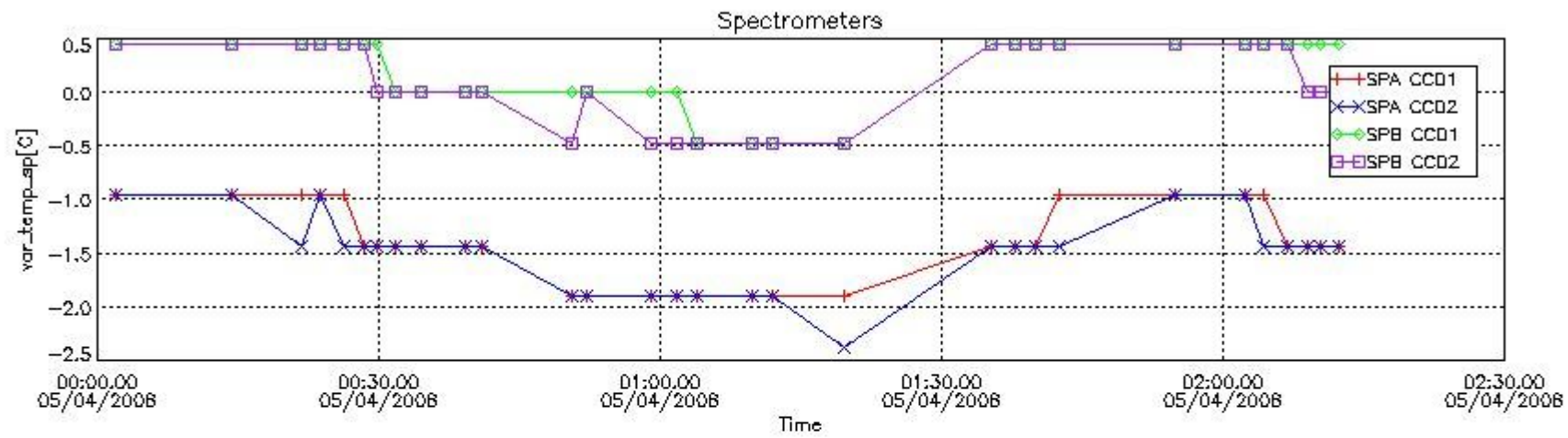
| UTC start time       | Star name | Star ID | Orbit |
|----------------------|-----------|---------|-------|
| 05-APR-2008 00:07:27 | GamGru    | 172     | 31876 |
| 05-APR-2008 01:48:04 | GamGru    | 172     | 31877 |
| 05-APR-2008 23:35:55 | GamGru    | 172     | 31890 |

### 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_1PNPDE20080405_000158_000000402067_00259_31876_9870.N1 | 05-APR-2008 00:01:58 | Dark       | 39.500   | 142     | 49Del Cap | 2.8500    | 8900.0    | 79      | 31876 | No          |
| 2  | GOM_TRA_1PNPDE20080405_001416_000000392067_00259_31876_9871.N1 | 05-APR-2008 00:14:16 | Dark       | 38.500   | 45      | Alp Pav   | 1.9400    | 26000.    | 77      | 31876 | No          |
| 3  | GOM_TRA_1PNPDE20080405_002147_000000392067_00260_31877_9872.N1 | 05-APR-2008 00:21:47 | Dark       | 38.500   | 43      | Alp TrA   | 1.9100    | 4250.0    | 77      | 31877 | No          |
| 4  | GOM_TRA_1PNPDE20080405_002343_000000392067_00260_31877_9873.N1 | 05-APR-2008 00:23:43 | Dark       | 39.000   | 134     | Bet TrA   | 2.8100    | 6600.0    | 78      | 31877 | No          |
| 5  | GOM_TRA_1PNPDE20080405_002618_000000452067_00260_31877_9874.N1 | 05-APR-2008 00:26:18 | Straylight | 44.500   | 4       | Alp1Cen   | -0.010000 | 5800.0    | 89      | 31877 | No          |
| 6  | GOM_TRA_1PNPDE20080405_002821_000000402067_00260_31877_9875.N1 | 05-APR-2008 00:28:21 | Straylight | 39.500   | 12      | Alp1Cru   | 0.77500   | 30000.    | 79      | 31877 | No          |
| 7  | GOM_TRA_1PNPDE20080405_002950_000000432067_00260_31877_9876.N1 | 05-APR-2008 00:29:50 | Straylight | 43.000   | 26      | Gam Cru   | 1.6240    | 2900.0    | 86      | 31877 | No          |
| 8  | GOM_TRA_1PNPDE20080405_003149_000000442067_00260_31877_9877.N1 | 05-APR-2008 00:31:49 | Straylight | 43.500   | 64      | Gam Cen   | 2.2000    | 10600.    | 87      | 31877 | No          |

|    |  |                      |            |        |     |           |           |        |     |       |    |
|----|--|----------------------|------------|--------|-----|-----------|-----------|--------|-----|-------|----|
| 9  | GOM_TRA_1PNPDE20080405_003427_000000422067_00260_31877_9878.N1 | 05-APR-2008 00:34:27 | Straylight | 42.000 | 123 | lot Cen   | 2.7500    | 10200. | 84  | 31877 | No |
| 10 | GOM_TRA_1PNPDE20080405_003908_000000412067_00260_31877_9941.N1 | 05-APR-2008 00:39:08 | Twilight   | 41.000 | 106 | 9Bet Crv  | 2.6480    | 5600.0 | 82  | 31877 | No |
| 11 | GOM_TRA_1PNPDE20080405_004102_000000422067_00260_31877_9972.N1 | 05-APR-2008 00:41:02 | Twilight   | 41.500 | 100 | 4Gam Crv  | 2.5800    | 13100. | 83  | 31877 | No |
| 12 | GOM_TRA_1PNPDE20080405_005032_000000372067_00260_31877_9973.N1 | 05-APR-2008 00:50:32 | Bright     | 37.000 | 62  | 94Bet Leo | 2.1360    | 9700.0 | 74  | 31877 | No |
| 13 | GOM_TRA_1PNPDE20080405_005214_000000352067_00260_31877_9974.N1 | 05-APR-2008 00:52:14 | Bright     | 35.000 | 96  | 68Del Leo | 2.5600    | 9300.0 | 70  | 31877 | No |
| 14 | GOM_TRA_1PNPDE20080405_005900_000000372067_00260_31877_9975.N1 | 05-APR-2008 00:59:00 | Bright     | 36.500 | 174 | 52Psi UMa | 3.0040    | 4400.0 | 73  | 31877 | No |
| 15 | GOM_TRA_1PNPDE20080405_010151_000000362067_00260_31877_9946.N1 | 05-APR-2008 01:01:51 | Bright     | 36.000 | 87  | 64Gam UMa | 2.4330    | 11000. | 72  | 31877 | No |
| 16 | GOM_TRA_1PNPDE20080405_010351_000000372067_00260_31877_9977.N1 | 05-APR-2008 01:03:51 | Bright     | 37.000 | 36  | 50Alp UMa | 1.8000    | 6300.0 | 74  | 31877 | No |
| 17 | GOM_TRA_1PNPDE20080405_010953_000000362067_00260_31877_9978.N1 | 05-APR-2008 01:09:53 | Bright     | 36.000 | 60  | 7Bet UMi  | 2.0810    | 3950.0 | 72  | 31877 | No |
| 18 | GOM_TRA_1PNPDE20080405_011156_000000352067_00260_31877_9979.N1 | 05-APR-2008 01:11:56 | Bright     | 35.000 | 49  | 1Alp UMi  | 1.9900    | 6300.0 | 70  | 31877 | No |
| 19 | GOM_TRA_1PNPDE20080405_011933_000000362067_00260_31877_9980.N1 | 05-APR-2008 01:19:33 | Bright     | 35.500 | 89  | 5Alp Cep  | 2.4510    | 8000.0 | 71  | 31877 | No |
| 20 | GOM_TRA_1PNPDE20080405_013521_000000492067_00260_31877_9981.N1 | 05-APR-2008 01:35:21 | Twilight   | 49.000 | 61  | 8Eps Peg  | 2.1000    | 3900.0 | 98  | 31877 | No |
| 21 | GOM_TRA_1PNPDE20080405_013750_000000442067_00260_31877_9982.N1 | 05-APR-2008 01:37:50 | Twilight   | 43.500 | 162 | 34Alp Aqr | 2.9440    | 5350.0 | 87  | 31877 | No |
| 22 | GOM_TRA_1PNPDE20080405_014003_000000452067_00260_31877_9983.N1 | 05-APR-2008 01:40:03 | Dark       | 44.500 | 154 | 22Bet Aqr | 2.8990    | 5700.0 | 89  | 31877 | No |
| 23 | GOM_TRA_1PNPDE20080405_014234_000000392067_00260_31877_9984.N1 | 05-APR-2008 01:42:34 | Dark       | 38.500 | 142 | 49Del Cap | 2.8500    | 8900.0 | 77  | 31877 | No |
| 24 | GOM_TRA_1PNPDE20080405_015452_000000412067_00260_31877_9985.N1 | 05-APR-2008 01:54:52 | Dark       | 40.500 | 45  | Alp Pav   | 1.9400    | 26000. | 81  | 31877 | No |
| 25 | GOM_TRA_1PNPDE20080405_020224_000000402067_00261_31878_9986.N1 | 05-APR-2008 02:02:24 | Dark       | 39.500 | 43  | Alp TrA   | 1.9100    | 4250.0 | 79  | 31878 | No |
| 26 | GOM_TRA_1PNPDE20080405_020420_000000392067_00261_31878_9987.N1 | 05-APR-2008 02:04:20 | Dark       | 38.500 | 134 | Bet TrA   | 2.8100    | 6600.0 | 77  | 31878 | No |
| 27 | GOM_TRA_1PNPDE20080405_020655_000000462067_00261_31878_9988.N1 | 05-APR-2008 02:06:55 | Straylight | 45.500 | 4   | Alp1Cen   | -0.010000 | 5800.0 | 91  | 31878 | No |
| 28 | GOM_TRA_1PNPDE20080405_020857_000000452067_00261_31878_9989.N1 | 05-APR-2008 02:08:57 | Straylight | 44.500 | 12  | Alp1Cru   | 0.77500   | 30000. | 89  | 31878 | No |
| 29 | GOM_TRA_1PNPDE20080405_021026_000000522067_00261_31878_9990.N1 | 05-APR-2008 02:10:26 | Straylight | 52.000 | 26  | Gam Cru   | 1.6240    | 2900.0 | 104 | 31878 | No |
| 30 | GOM_TRA_1PNPDE20080405_021225_000000402067_00261_31878_9961.N1 | 05-APR-2008 02:12:25 | Straylight | 40.000 | 64  | Gam Cen   | 2.2000    | 10600. | 80  | 31878 | 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).

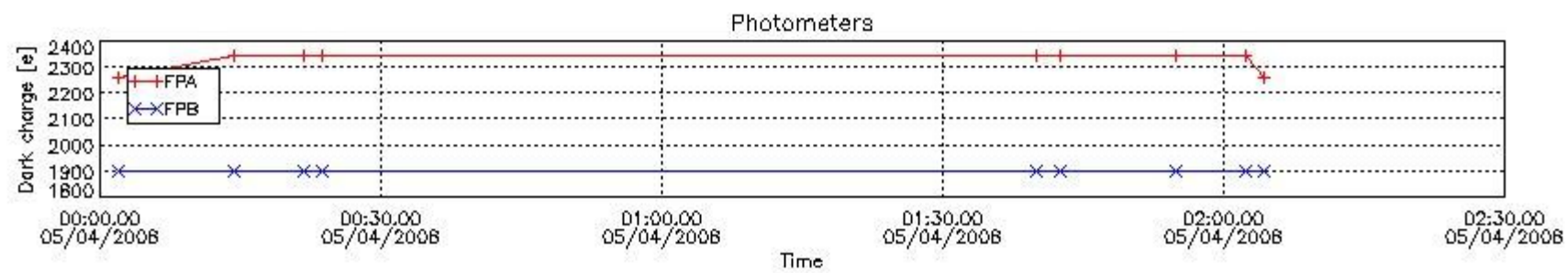
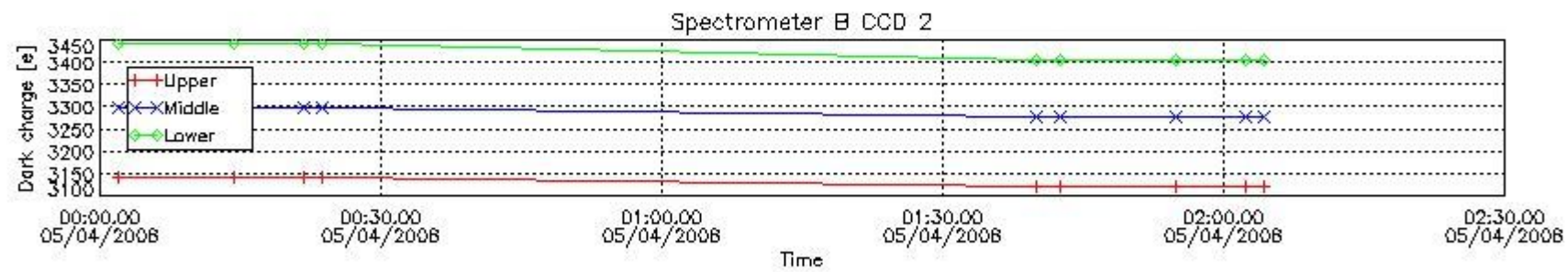
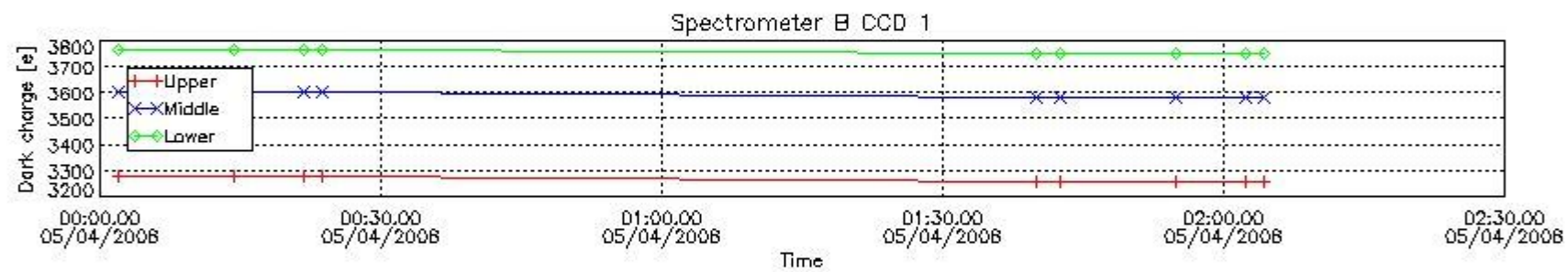
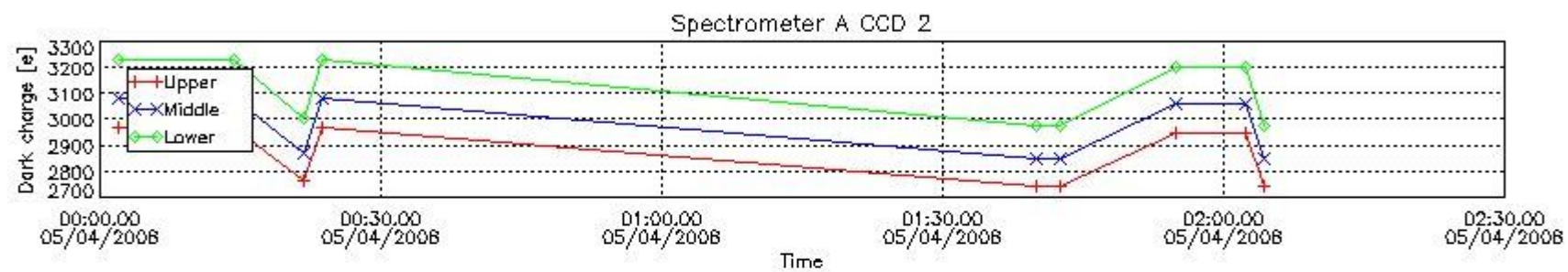
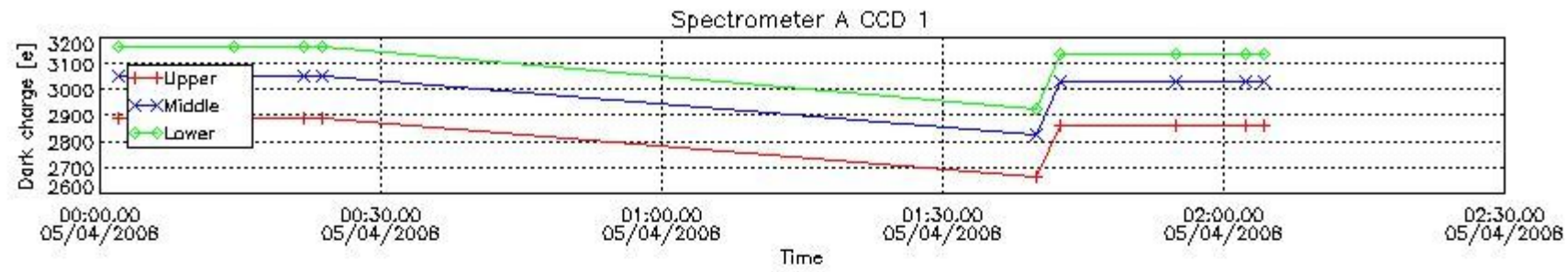
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given.

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*





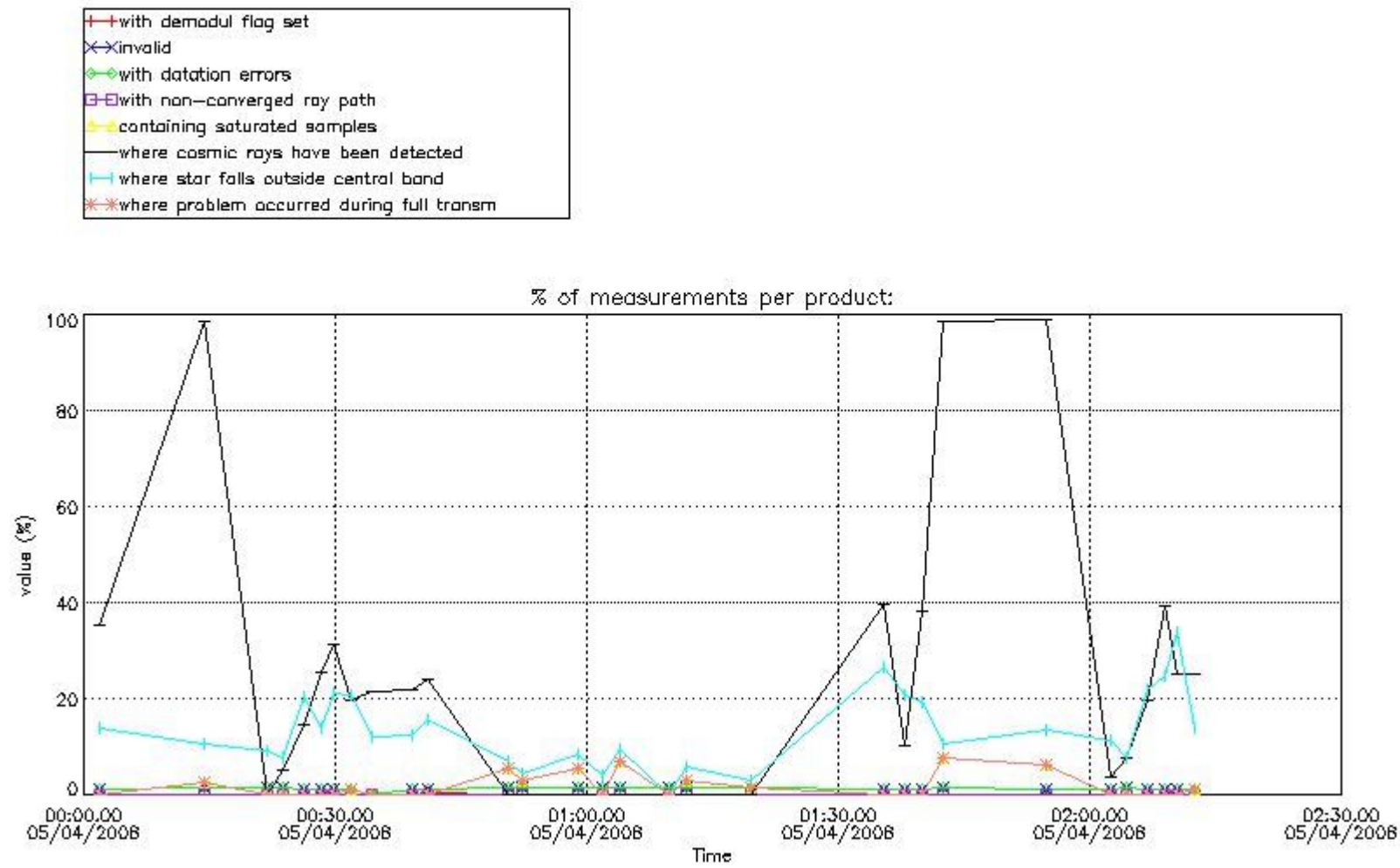
## 5. Demodulation flag and quality information monitoring

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.

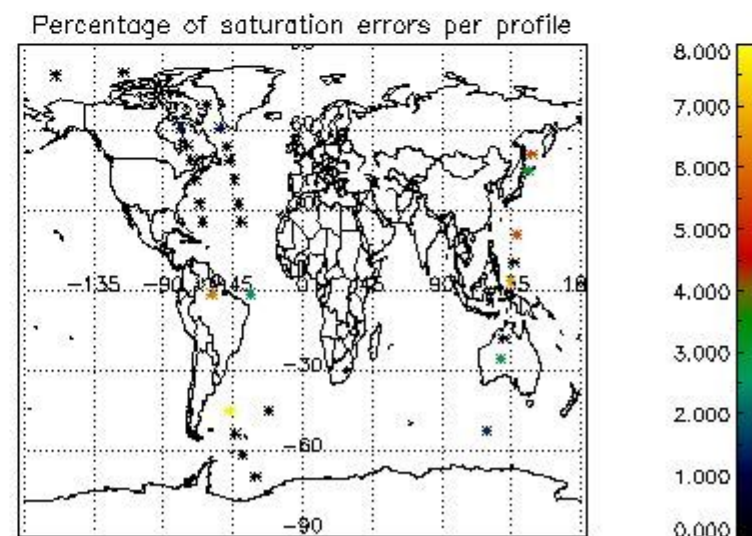
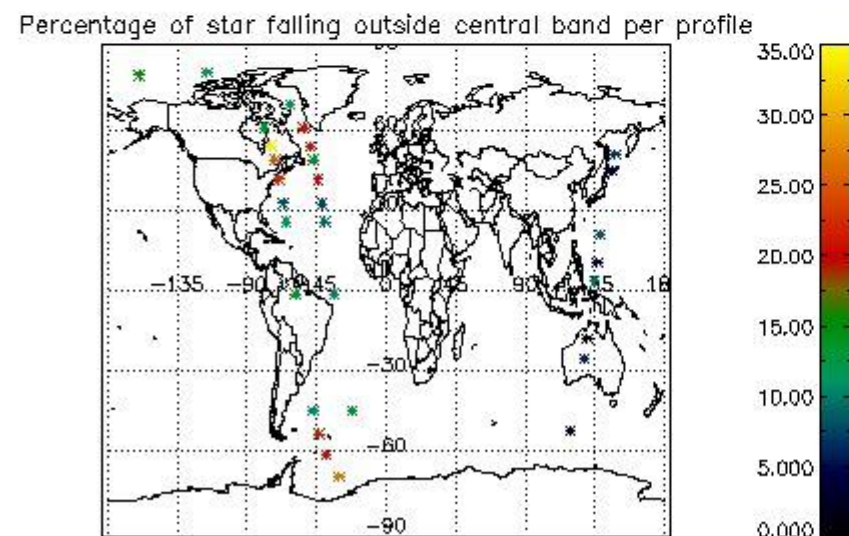
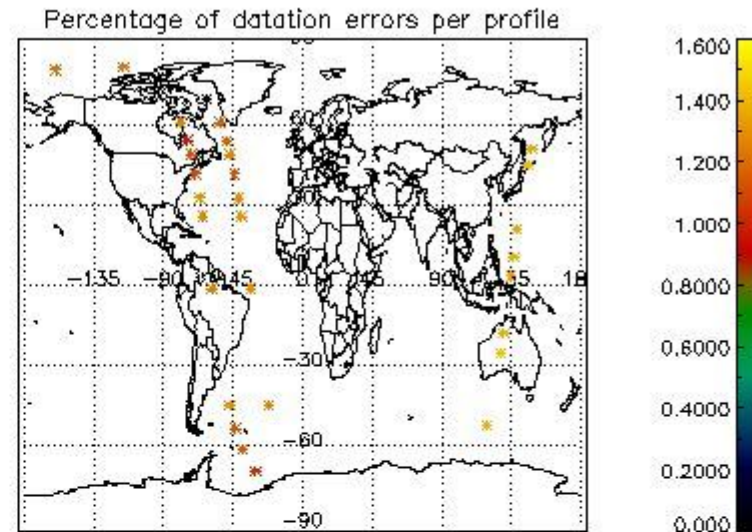
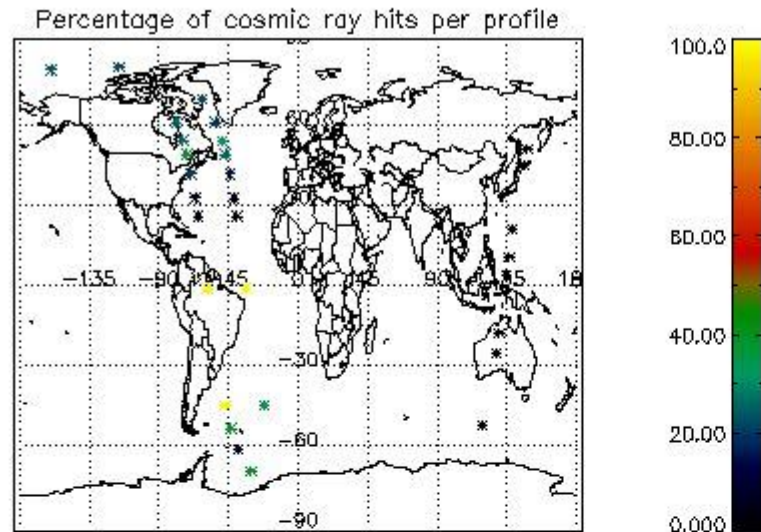
### 5.1 Percentage of products during reporting period with:

|   |           |
|---|-----------|
| At least one measurement with demodulation flag set:  | 33.3333 % |
| 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)

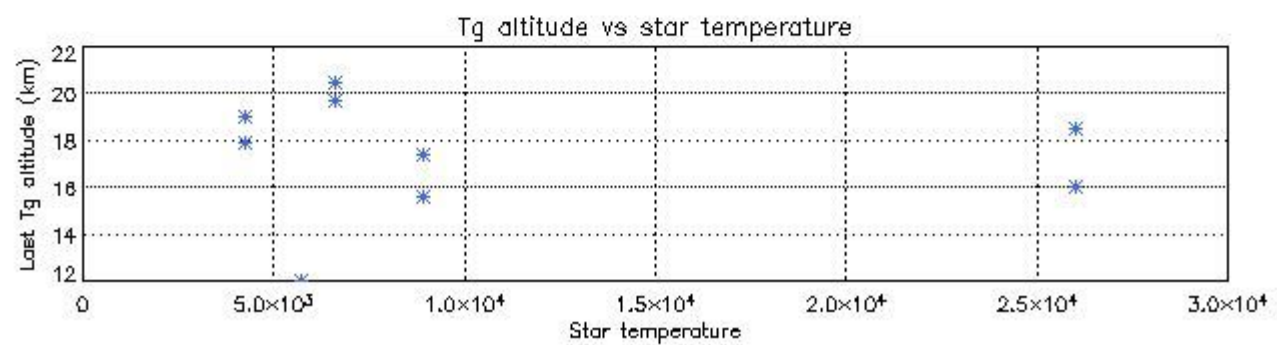
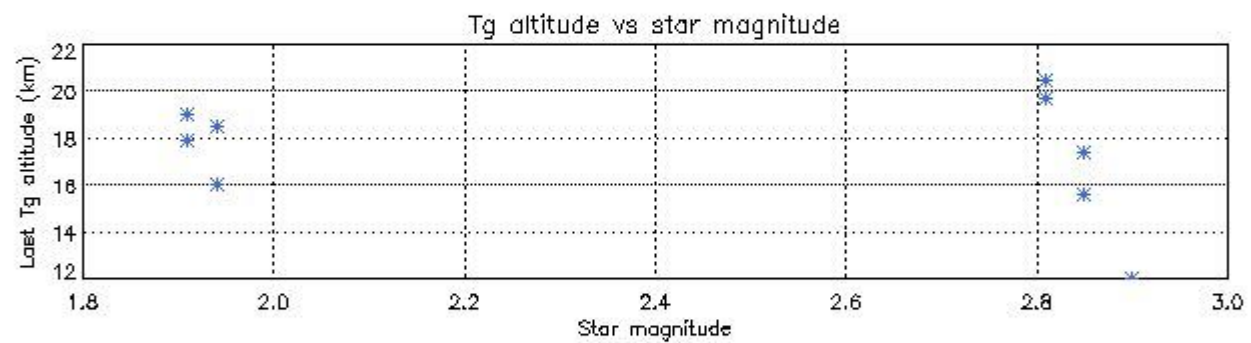
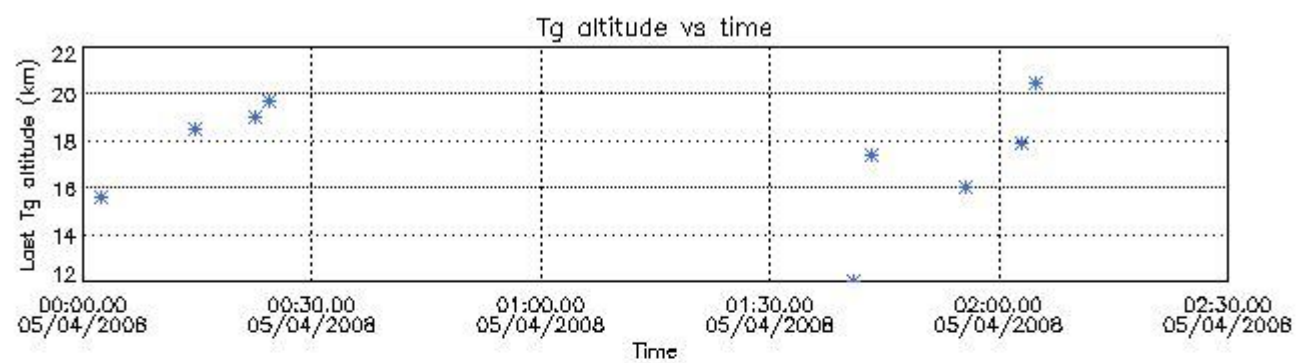
### 6.1 Statistics on tangent altitude lost:

| Statistics      | DARK   | BRIGHT | TWILIGHT |
|-----------------|--------|--------|----------|
| Mean:           | 17.379 | 22.183 | 10.864   |
| St. deviation:  | 2.5628 | 2.9643 | 0.0000   |
| Maximum:        | 20.420 | 27.515 | 10.864   |
| Minimum:        | 12.008 | 18.982 | 10.864   |
| Number of data: | 9.0000 | 8.0000 | 1.0000   |

### 6.2 Plot for DARK limb products



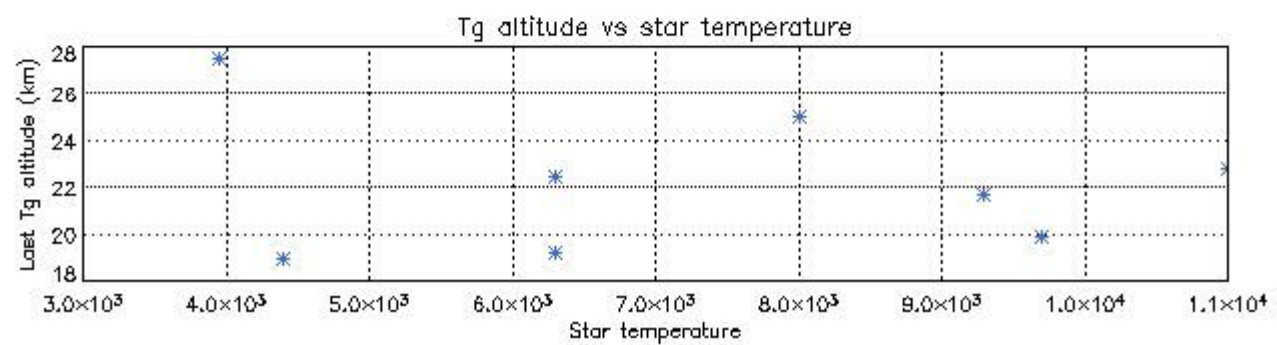
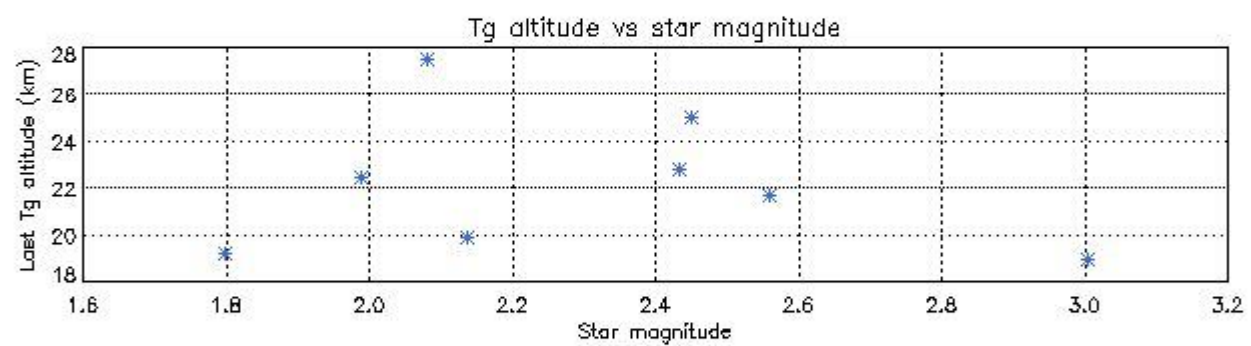
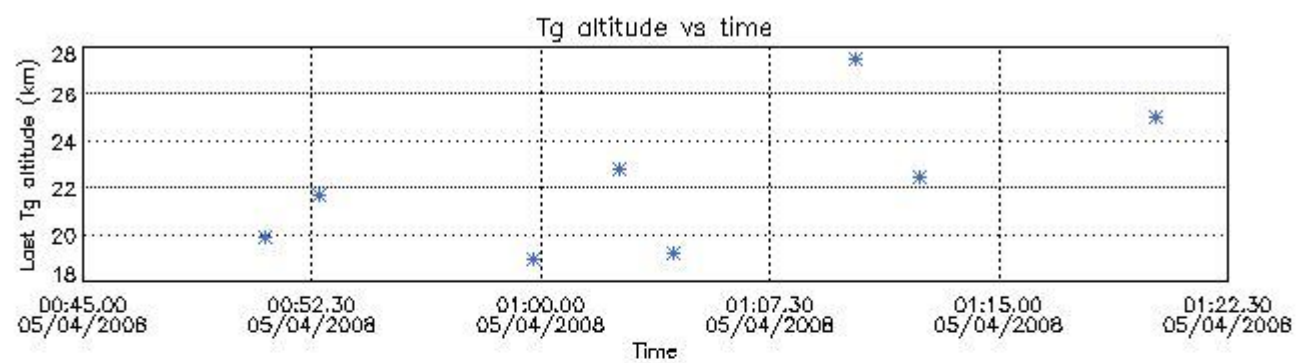
Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

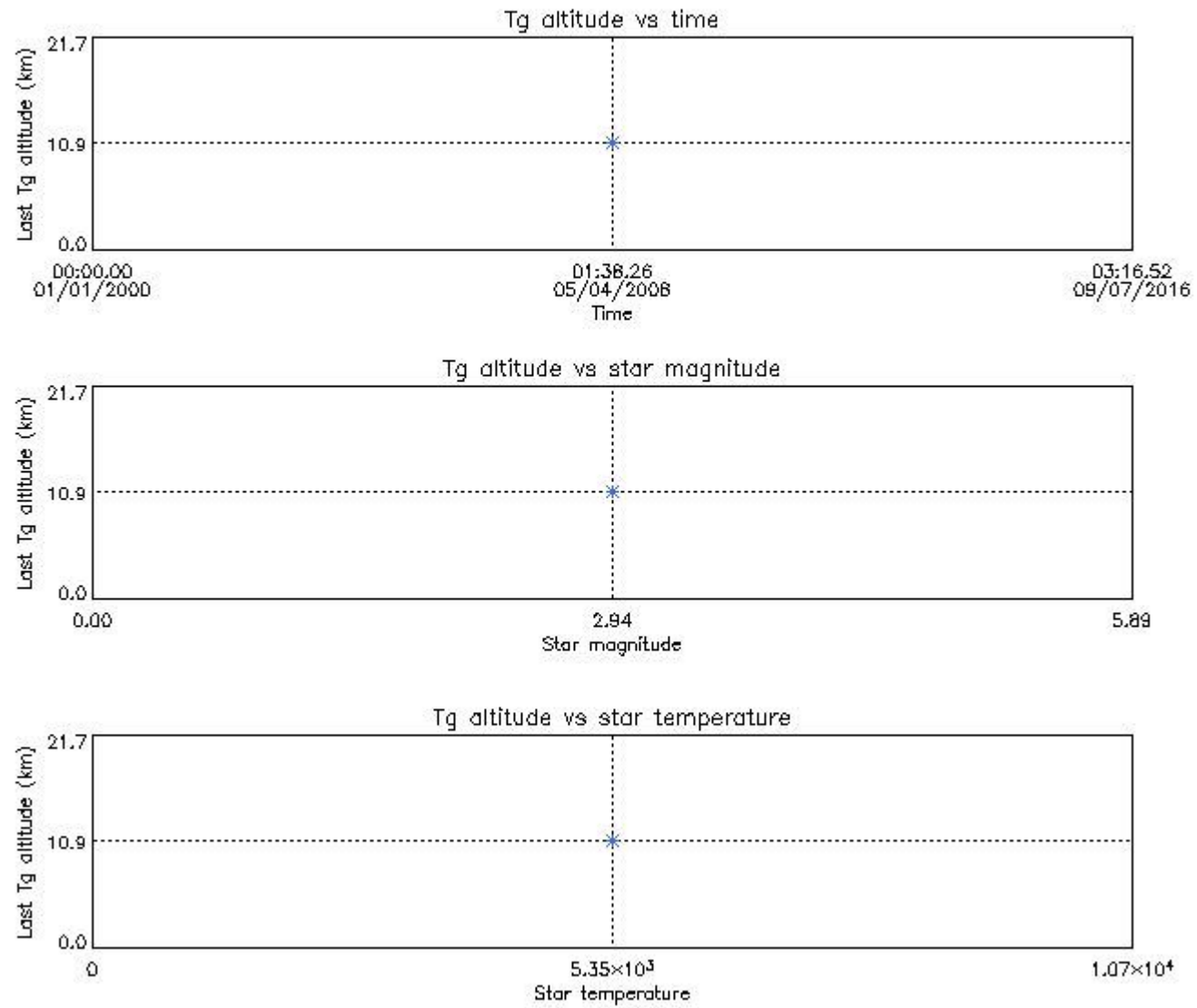


Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

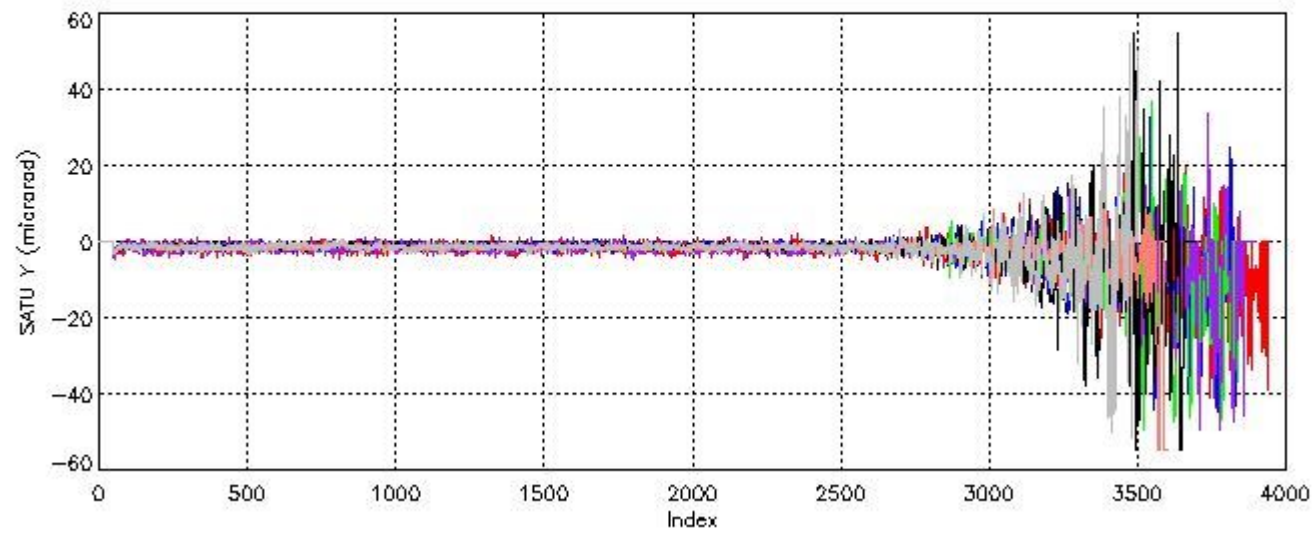
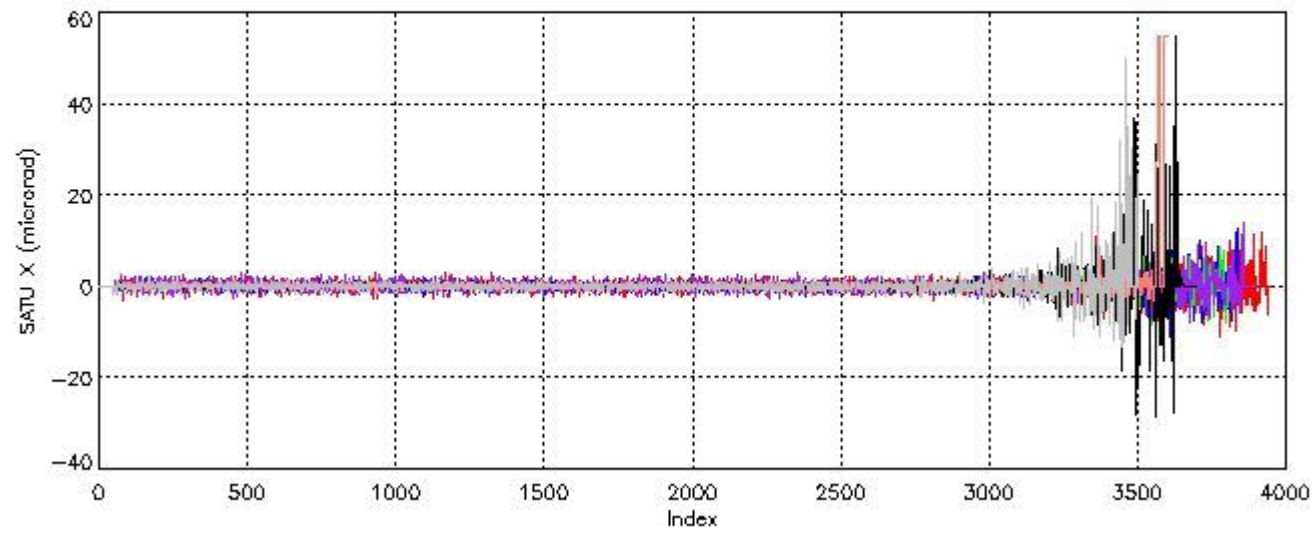


## 7. Star Acquisition and Tracking Unit (SATU)

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:          | 0.078089   | -1.3589    | 0.11798    | -1.3306    |
| St. deviation: | 0.62691    | 0.75021    | 0.70930    | 0.84587    |
| Maximum:       | 3.0000     | 1.1000     | 4.0000     | 2.8000     |
| Minimum:       | -3.2000    | -5.0000    | -3.3000    | -5.1000    |

|                 |        |        |        |        |
|-----------------|--------|--------|--------|--------|
| Number of data: | 8000.0 | 8000.0 | 6650.0 | 6650.0 |
|-----------------|--------|--------|--------|--------|

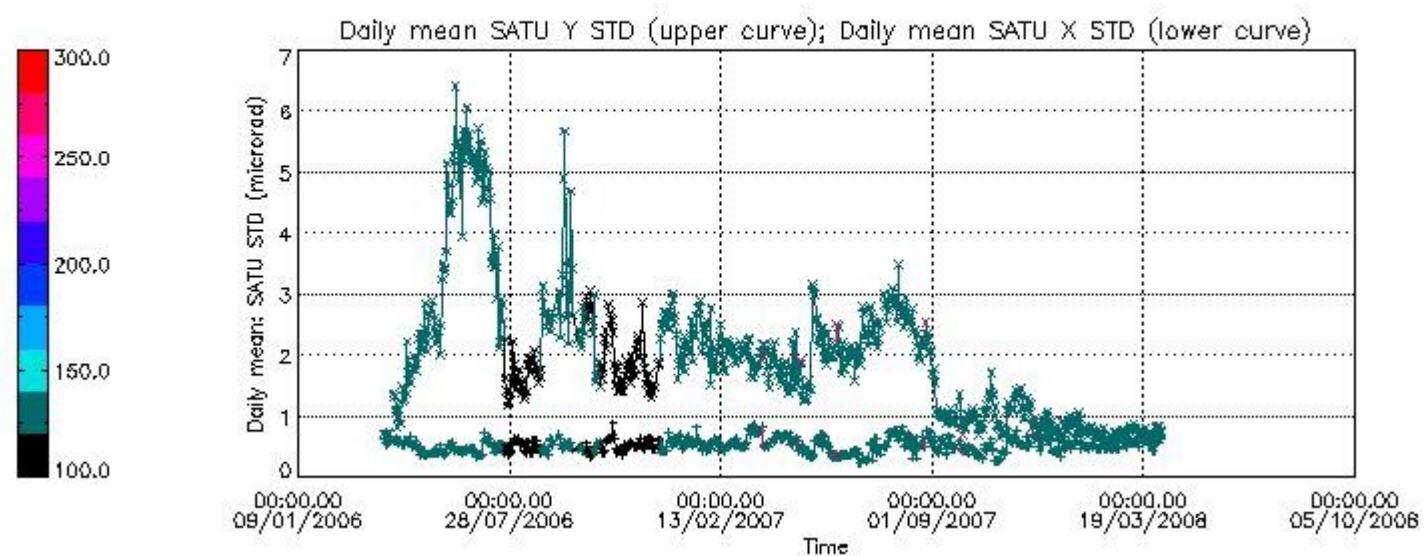
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

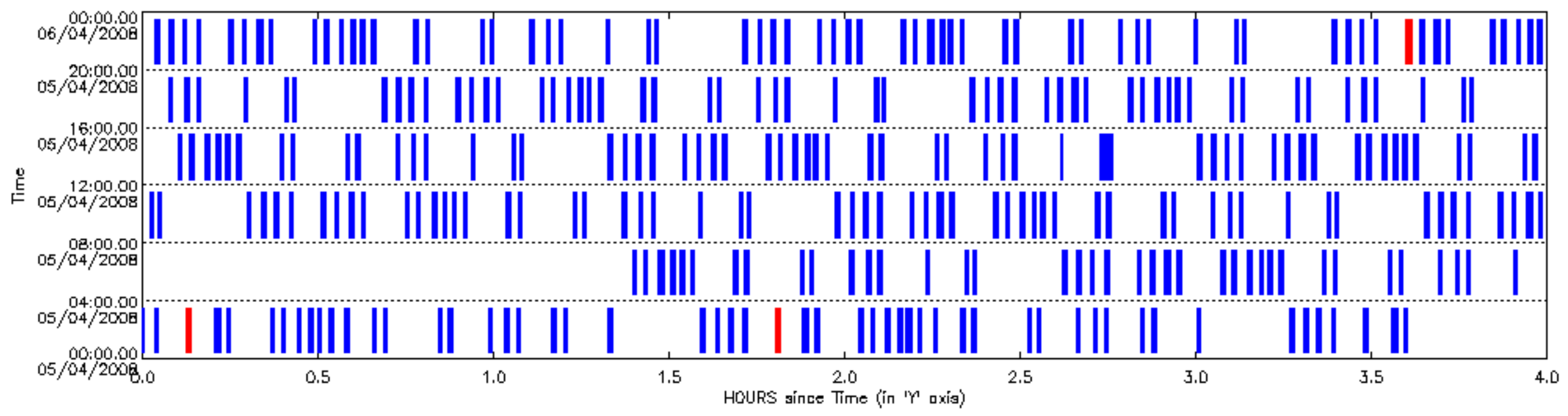


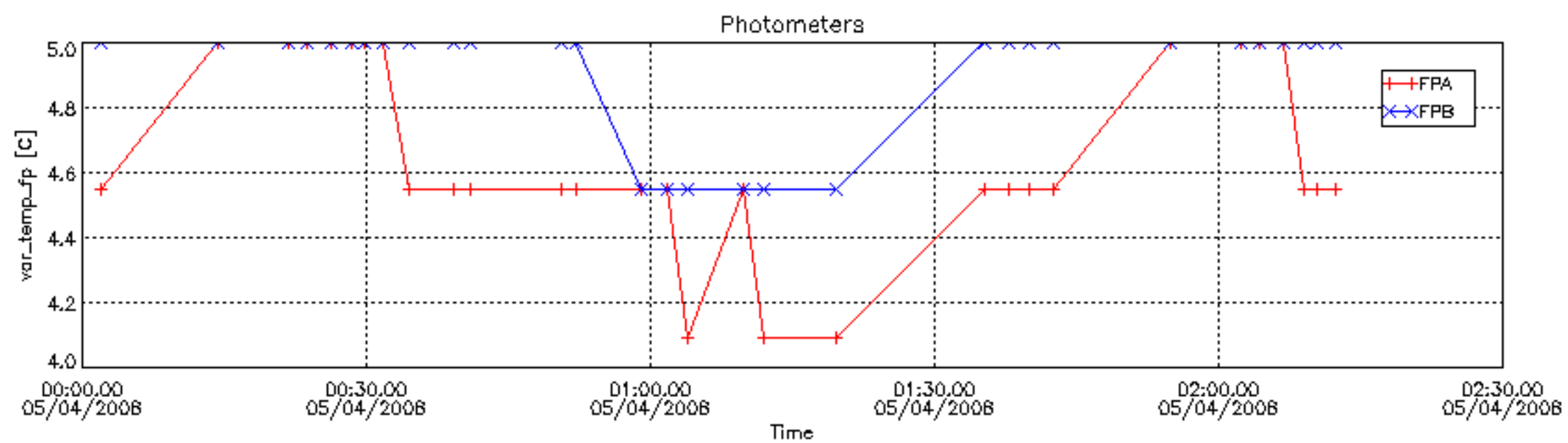
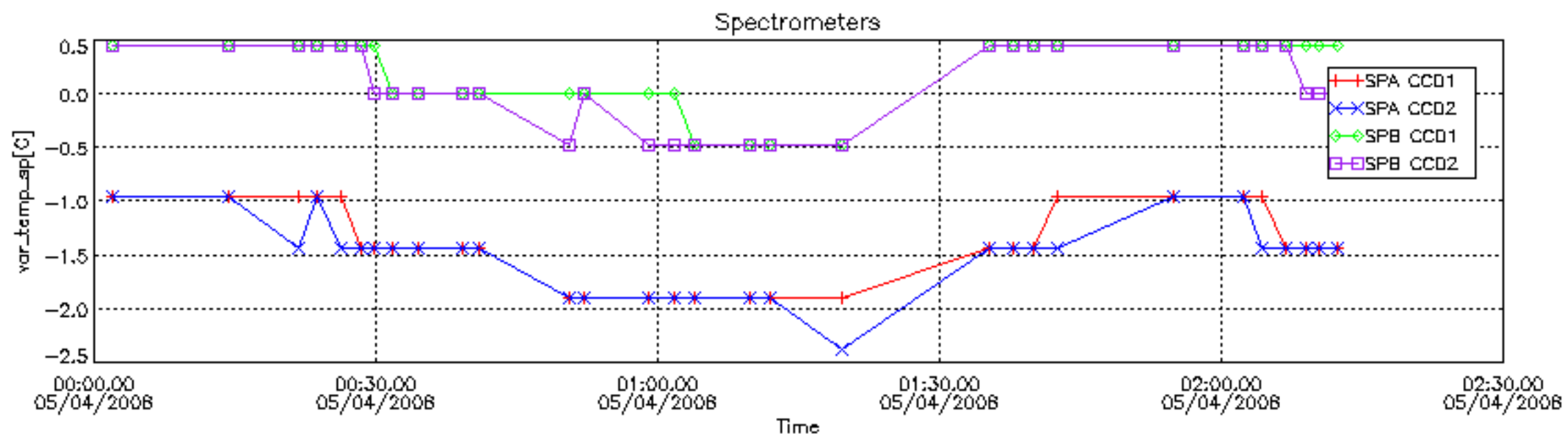
### 8. Auxiliary Data Files used for the production reported in section 2.4

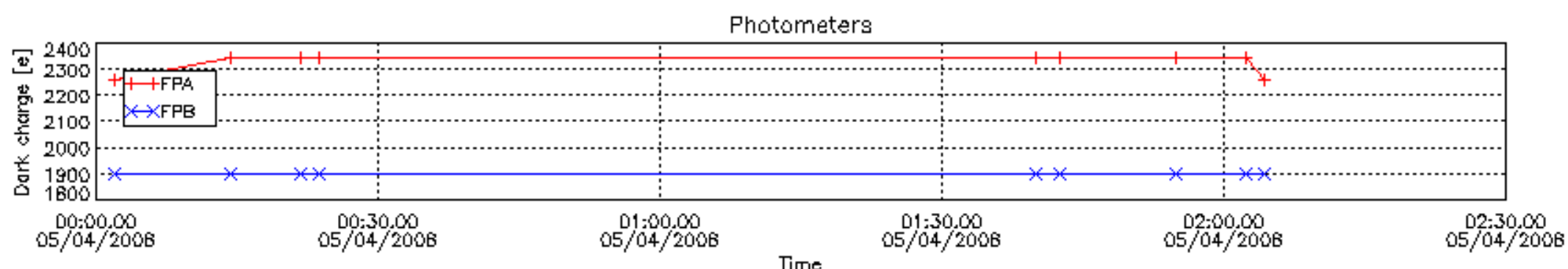
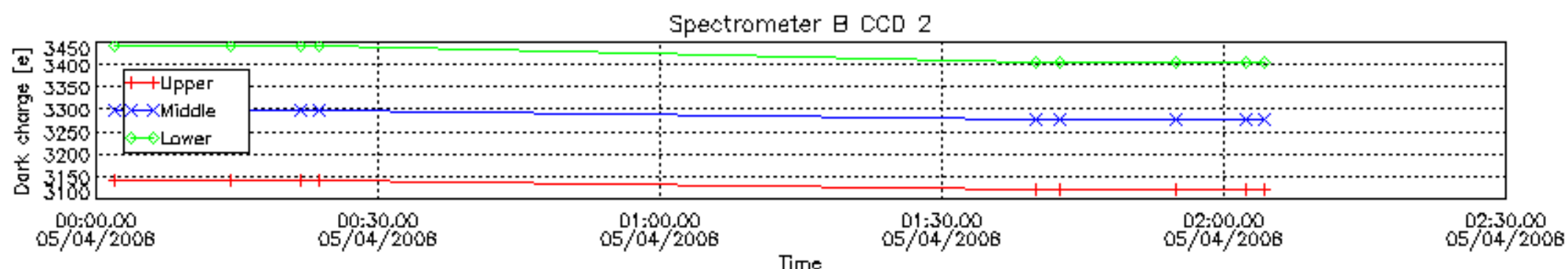
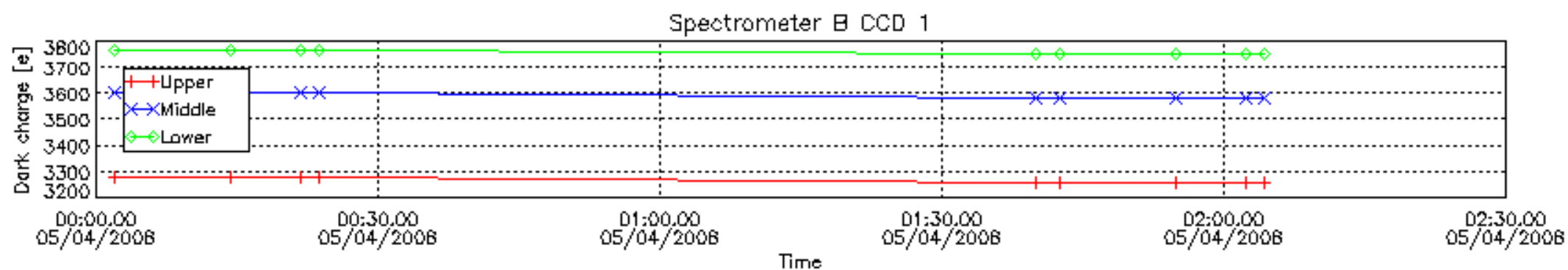
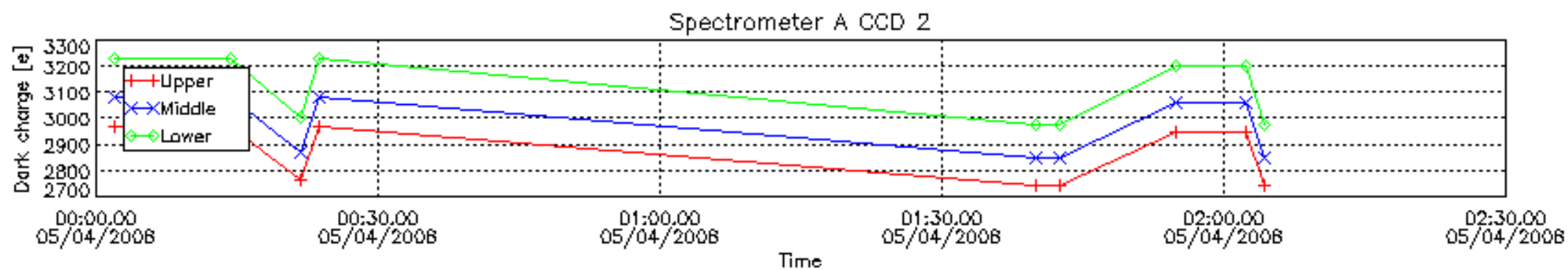
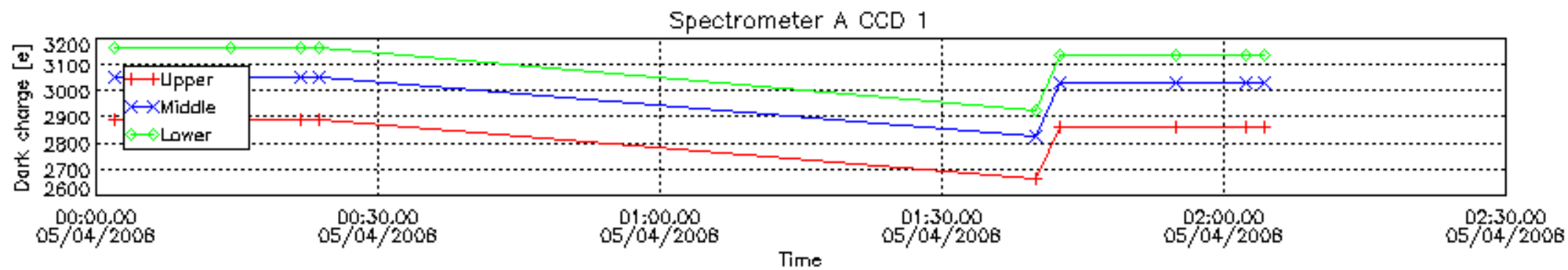
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

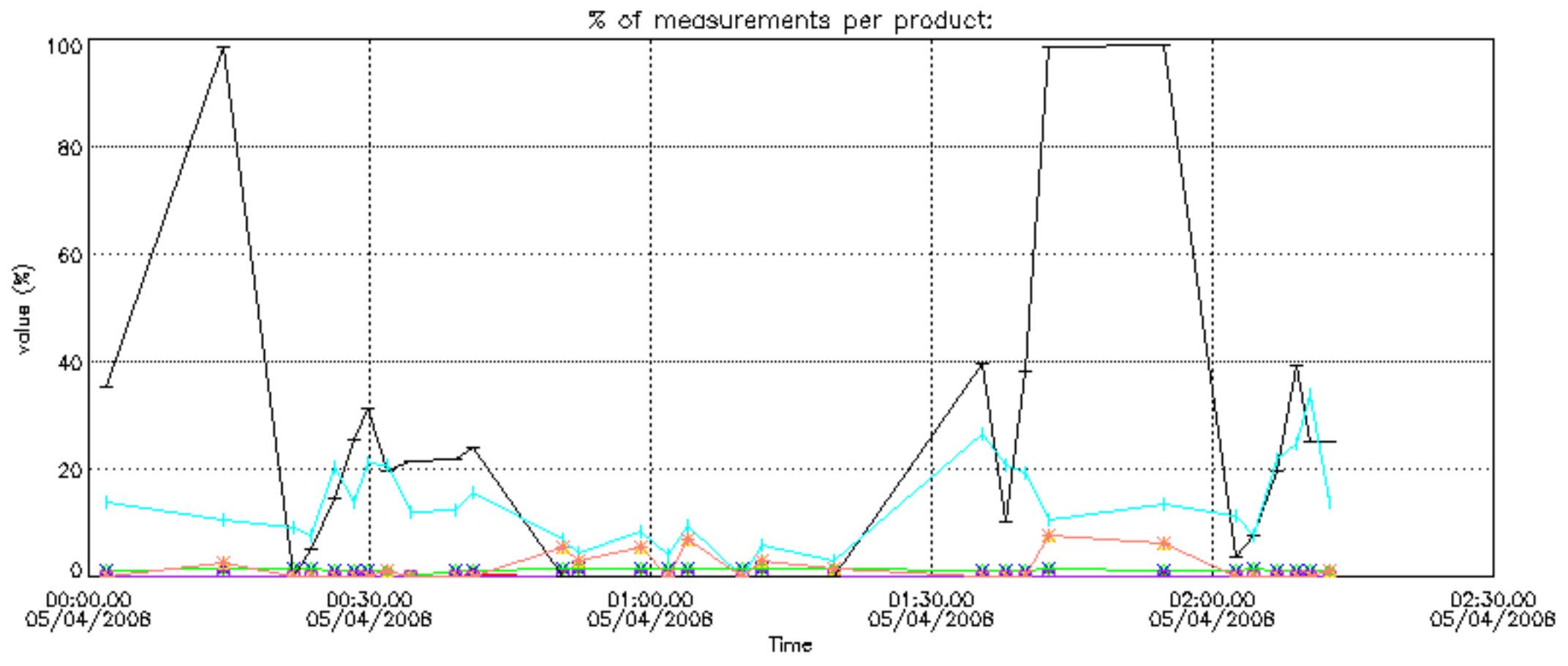
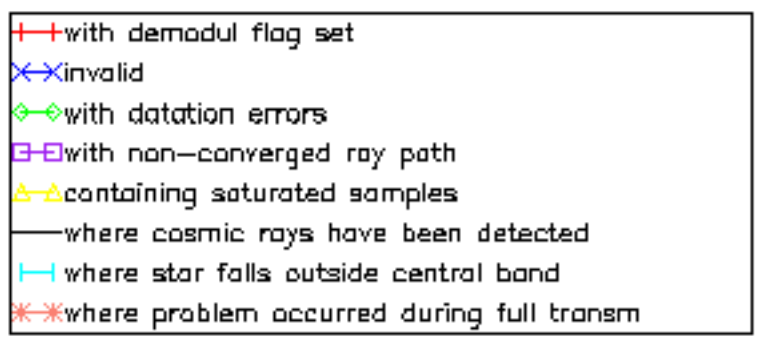
| Type                      | Auxiliary Filename   | Used since product | Used since product date |
|---------------------------|--|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000  | 1                  | 05-APR-2008 00:01:58    |
| CALIBRATION_DATABASE      | GOM_CAL_AXVIEC20080401_074641_20080330_000000_20100101_000000  | 1                  | 05-APR-2008 00:01:58    |
| LEVEL-1B_PROC_CONFIG      | GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000  | 1                  | 05-APR-2008 00:01:58    |
| STAR_CATALOGUE            | GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000  | 1                  | 05-APR-2008 00:01:58    |
| STELLAR_SPECTRA_DATABANK  | GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000  | 1                  | 05-APR-2008 00:01:58    |
| ECMWF_FILE                | AUX_ECF_AXNECM20080404_072114_20080404_210000_20080405_090000  | 1                  | 05-APR-2008 00:01:58    |
| OPTIONAL_ECMWF_FILE       | MISSING  | 1                  | 05-APR-2008 00:01:58    |
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| ORBIT_DATA_FILE           | DOR_NAV_OPNPDE20080405_003324_000060572067_00260_31877_5348.N1 | 10                 | 05-APR-2008 00:39:08    |





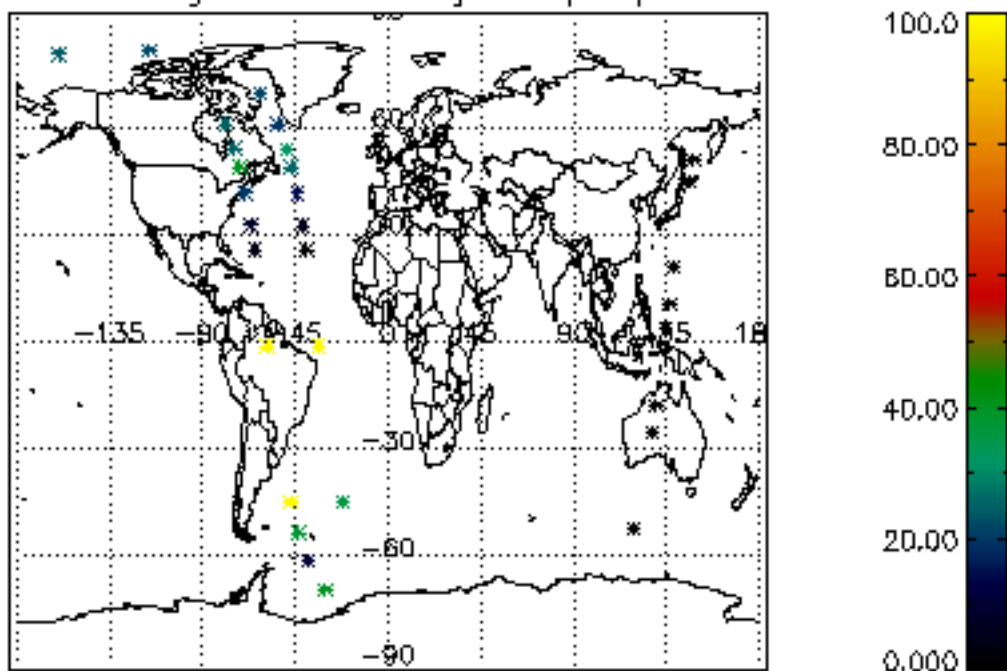




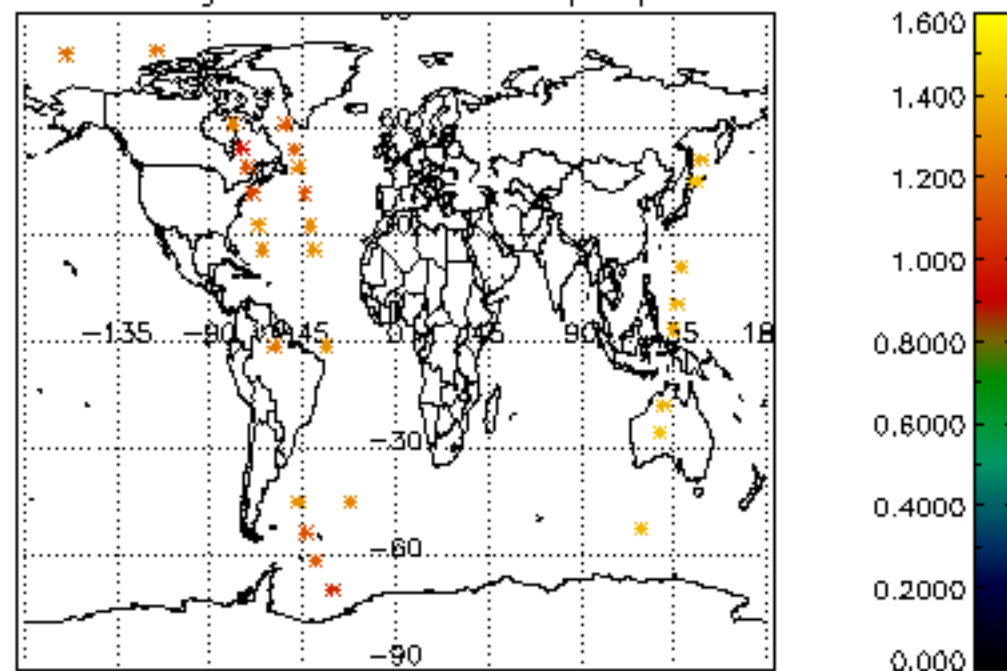




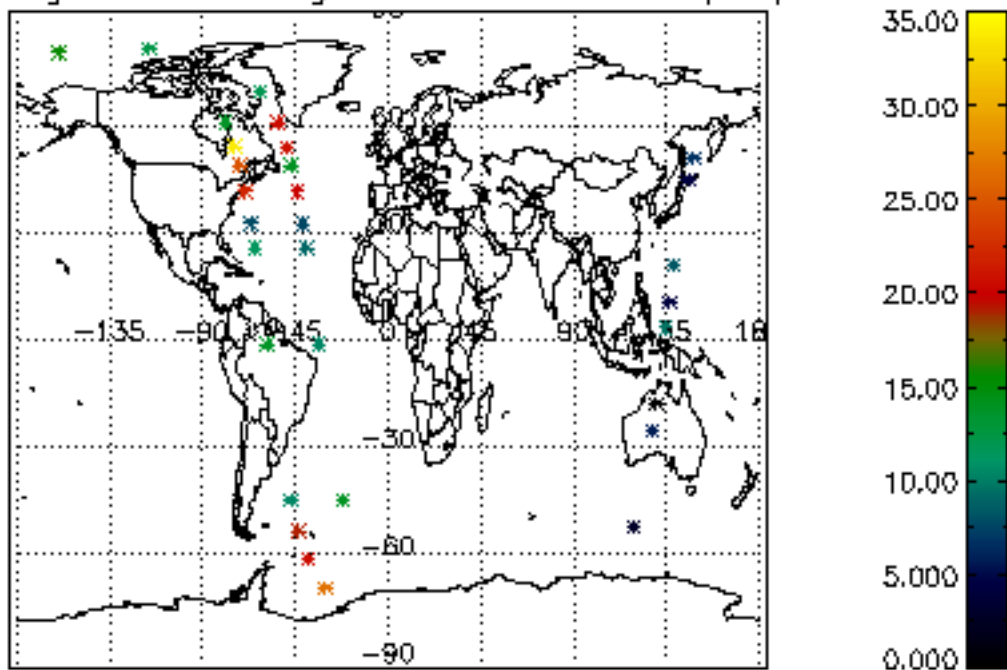
Percentage of cosmic ray hits per profile



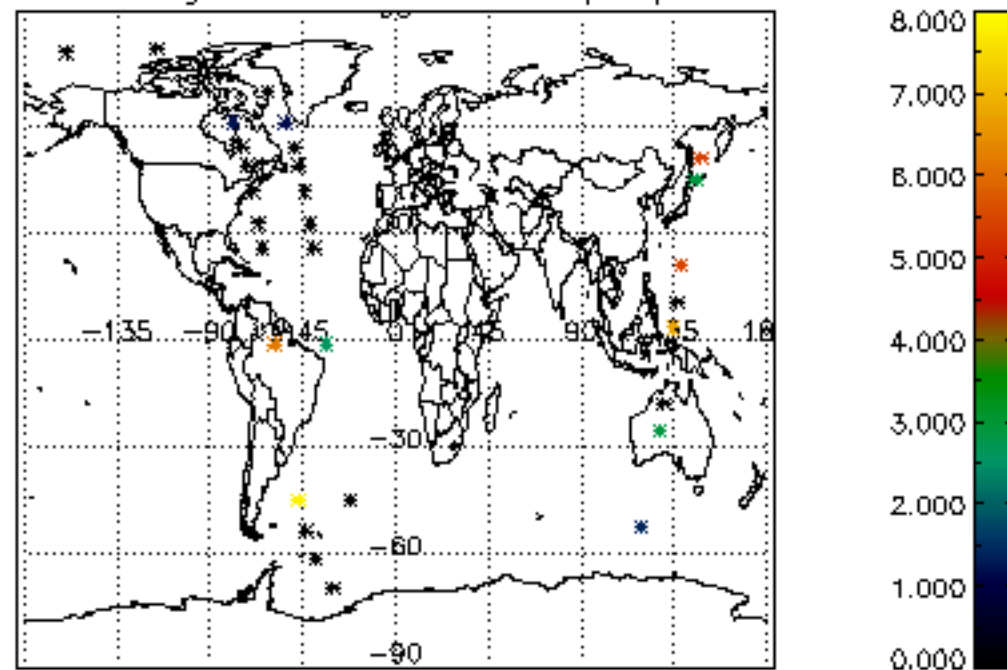
Percentage of datation errors per profile



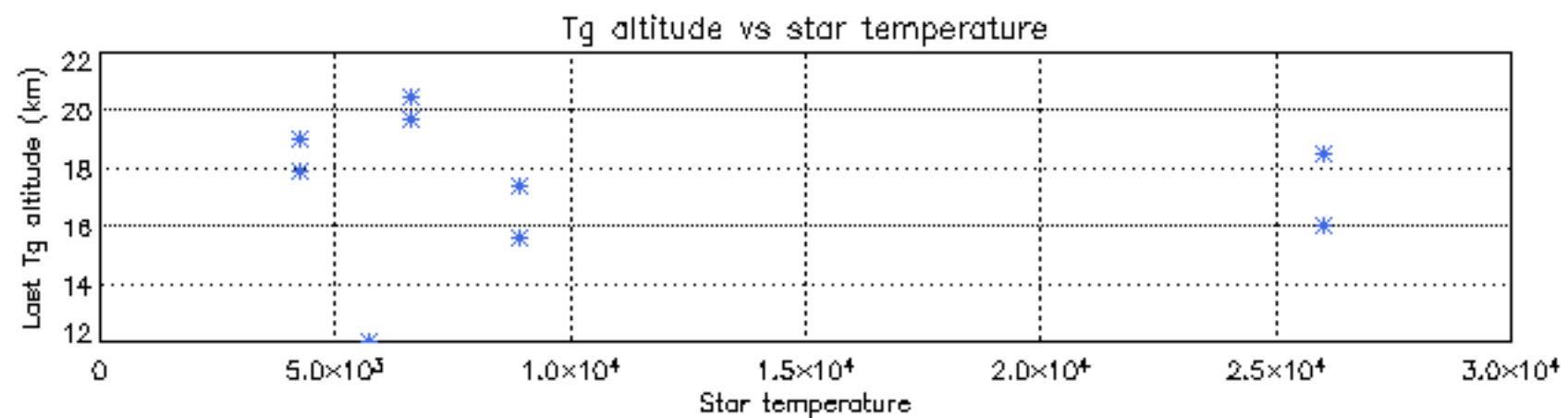
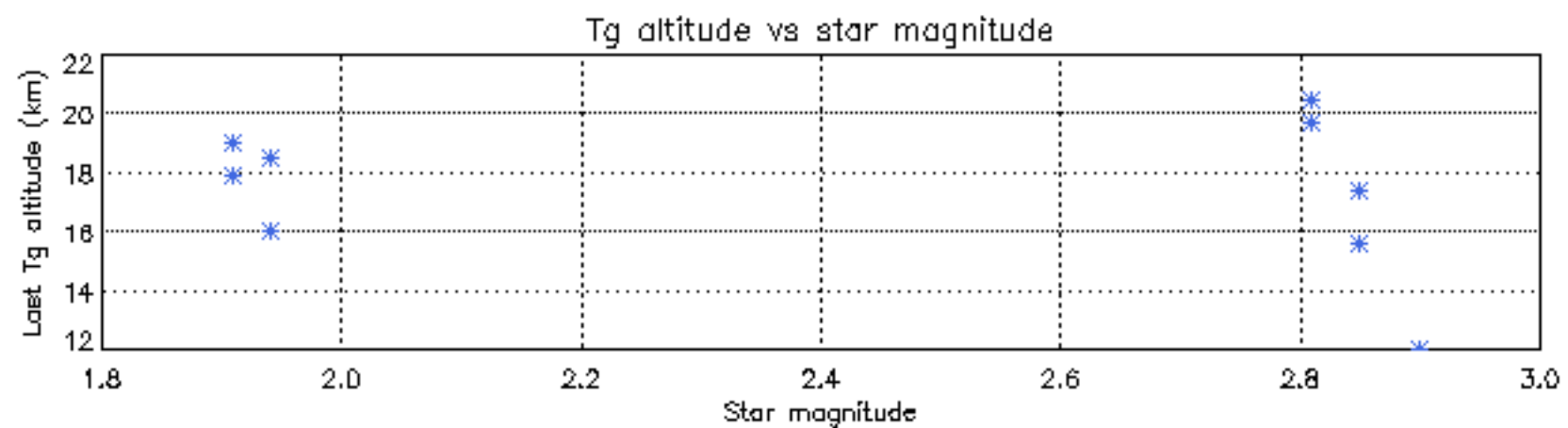
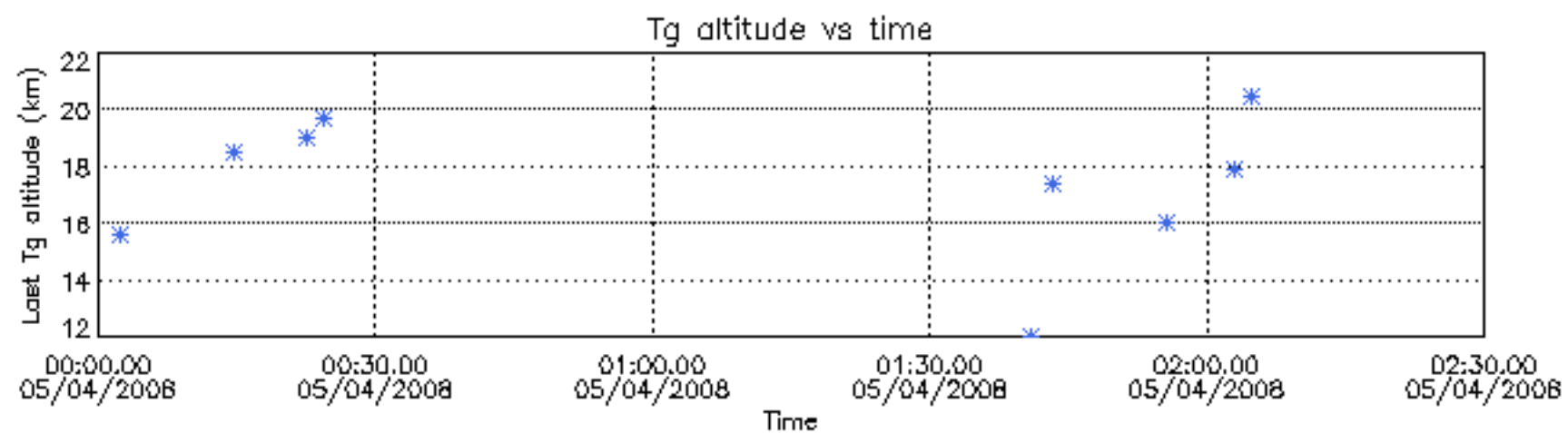
Percentage of star falling outside central band per profile



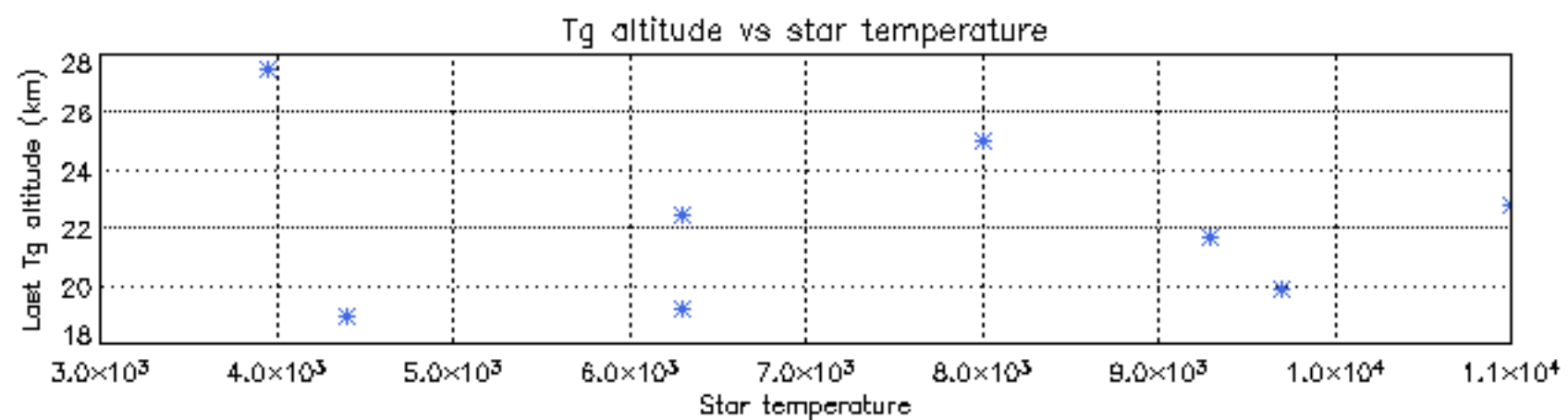
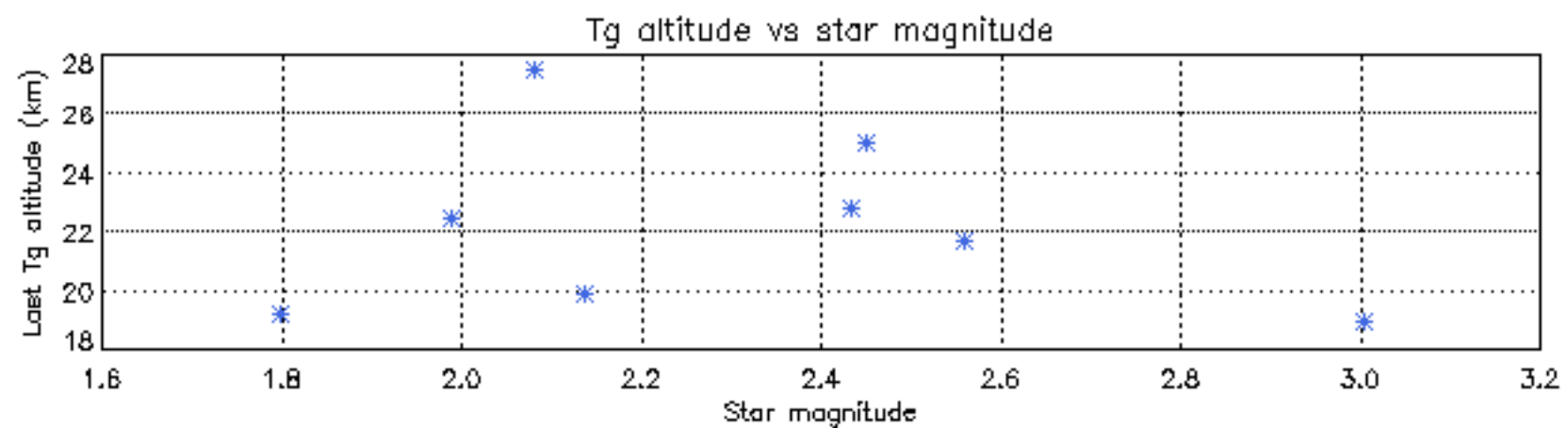
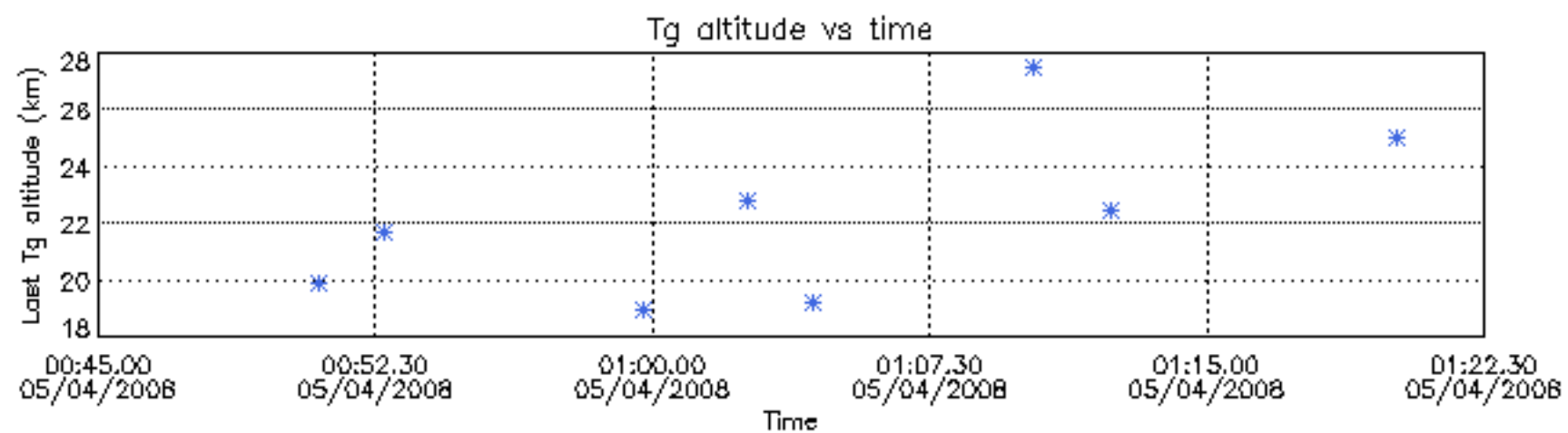
Percentage of saturation errors per profile



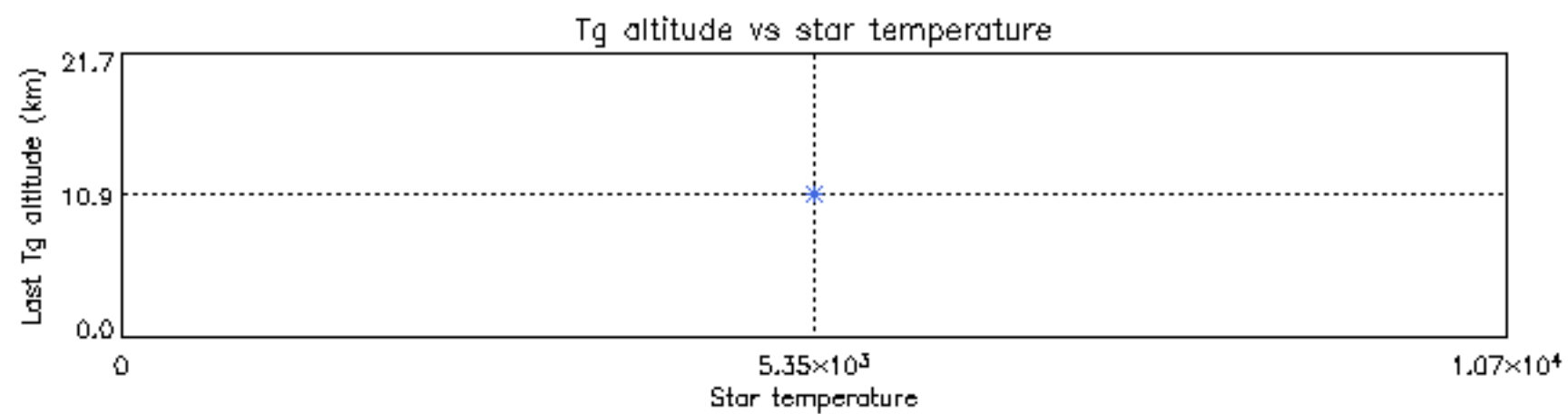
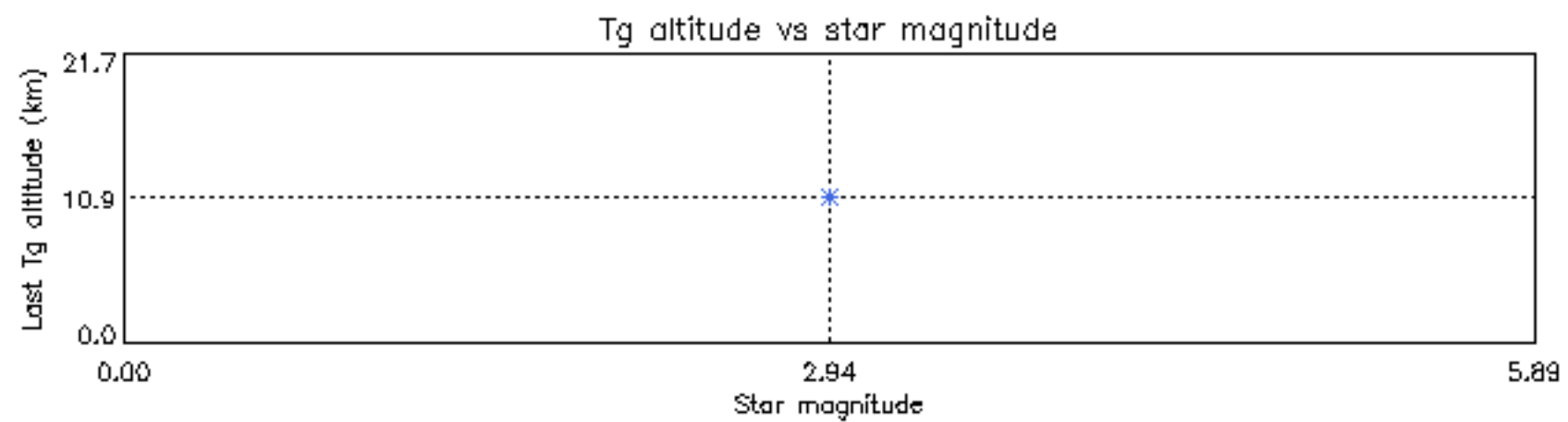
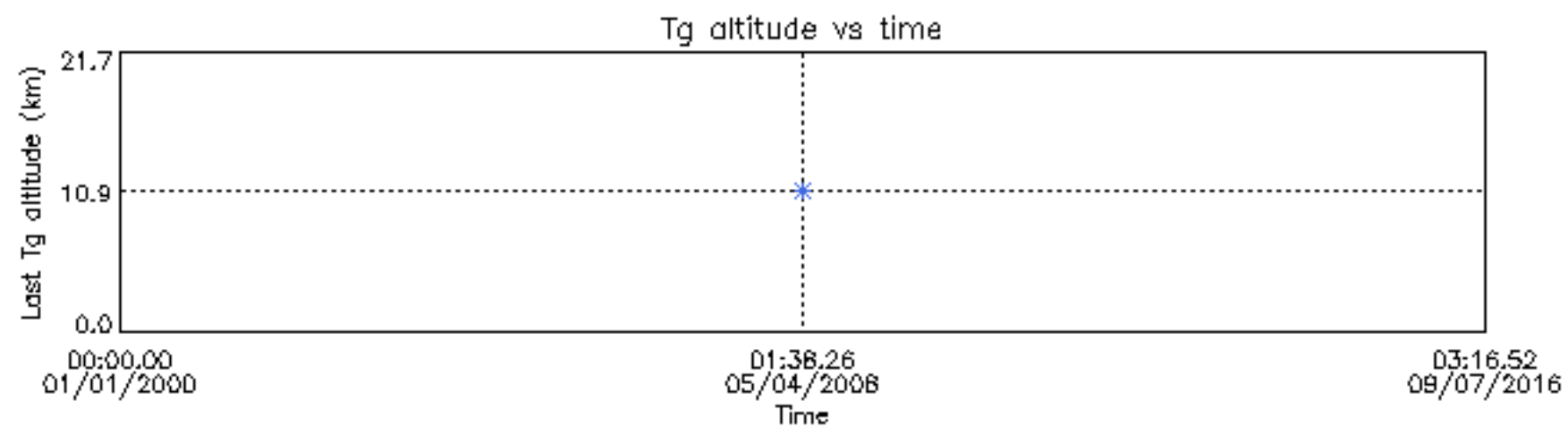
Tangent altitude at which the star is lost



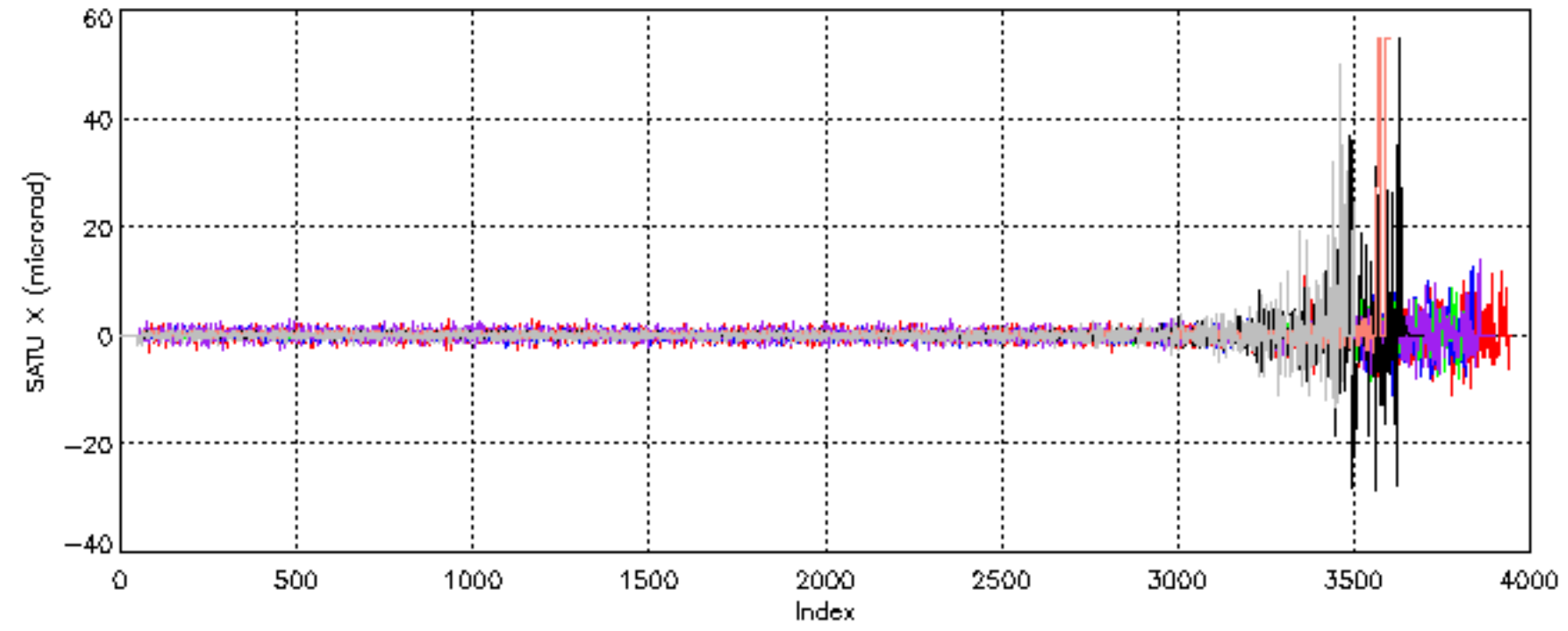
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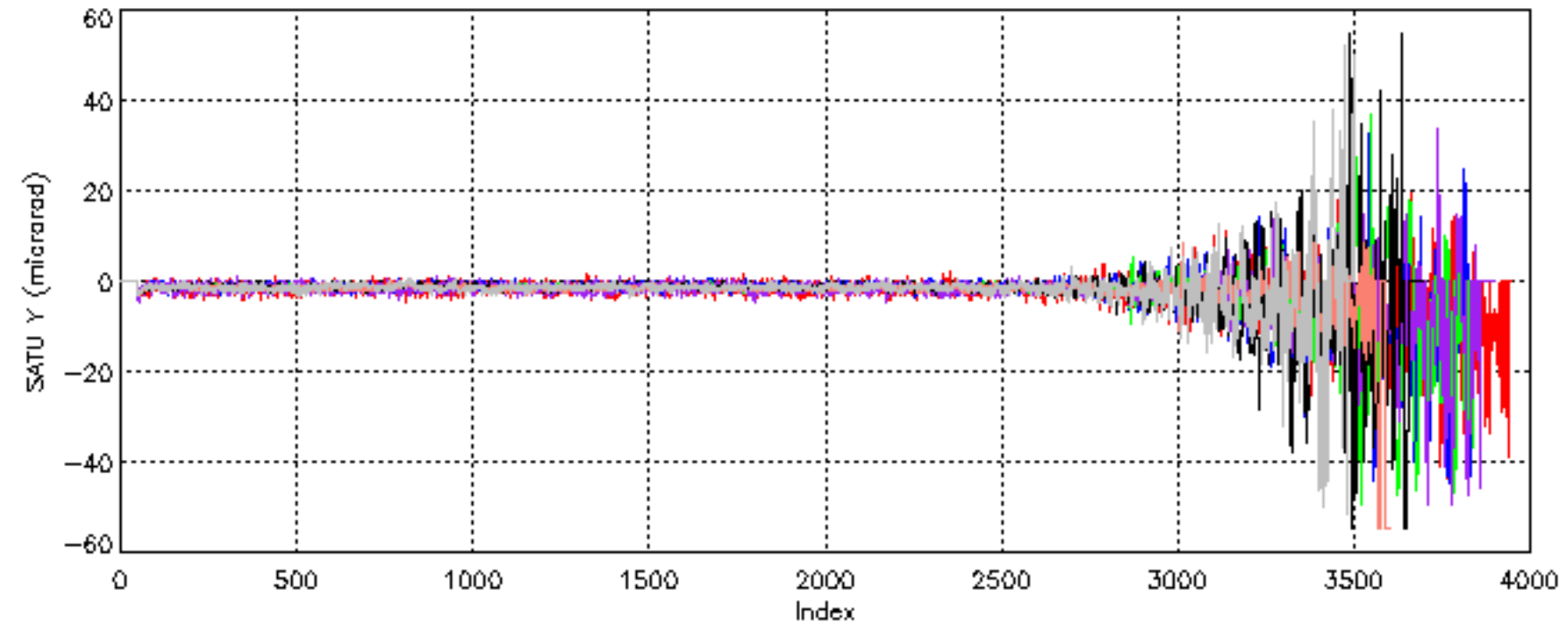


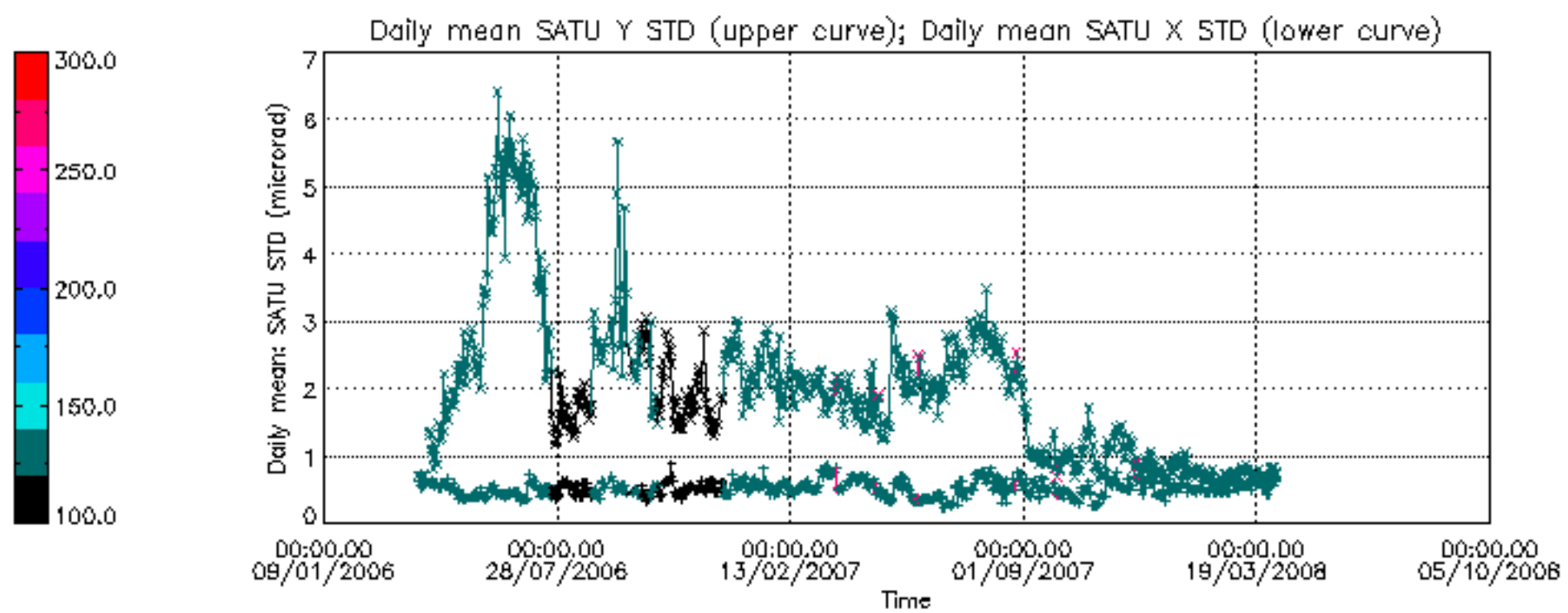
Tangent altitude at which the star is lost











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 3; 2666.1; 01-APR-2008 06:26:42; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;31823  
 4; 2846.9; 01-APR-2008 06:29:43; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;31823  
 5; 2957.8; 01-APR-2008 06:31:33; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;31823  
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 8; 4829.7; 01-APR-2008 07:02:45; Dark ; 44.0; 61; 8Eps Peg ; 2.10; 3900;occ; 88; 0;31823  
 9; 5105.8; 01-APR-2008 07:07:21; Dark ; 39.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 78; 0;31823  
 10; 5259.9; 01-APR-2008 07:09:56; Dark ; 40.0; 142; 49Del Cap ; 2.85; 8900;occ; 80; 0;31823  
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 13; 5994.8; 01-APR-2008 07:22:10; Dark ; 38.5; 45; Alp Pav ; 1.94; 26000;occ; 77; 0;31823  
 14; 6445.8; 01-APR-2008 07:29:41; Dark ; 38.5; 43; Alp TrA ; 1.91; 4250;occ; 77; 0;31823  
 15; 6557.4; 01-APR-2008 07:31:33; Dark ; 40.0; 134; Bet TrA ; 2.81; 6600;occ; 80; 0;31823  
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 19; 7054.0; 01-APR-2008 07:39:50; Dark ; 39.0; 64; Gam Cen ; 2.20; 10600;occ; 78; 0;31823  
 20; 7208.5; 01-APR-2008 07:42:24; Dark ; 43.5; 123; Tot Cen ; 2.75; 10200;occ; 87; 0;31823  
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 9; 5106.5; 01-APR-2008 10:28:34; Dark ; 42.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 84; 0;31825  
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 8; 3440.7; 03-APR-2008 02:15:10; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;31849  
 9; 3900.2; 03-APR-2008 02:22:50; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;31849  
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6; 2257.9; 03-APR-2008 22:02:39; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;31861
7; 2664.3; 03-APR-2008 22:09:25; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;31861
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19; 6466.4; 04-APR-2008 17:39:22; Dark ; 40.0; 43; Alp TrA ; 1.91; 4250;occ; 80; 0;31872
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23; 6949.9; 04-APR-2008 17:47:26; Dark ; 48.0; 26; Gam Cru ; 1.62; 2900;occ; 96; 0;31872
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4; 1586.7; 04-APR-2008 17:58:38; Dark ; 37.5; 100; 4Gam Crv ; 2.58; 13100;occ; 75; 0;31873
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6; 2258.7; 04-APR-2008 18:09:51; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;31873
7; 2664.3; 04-APR-2008 18:16:36; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;31873
8; 2836.7; 04-APR-2008 18:19:28; Bright; 54.0; 87; 64Gam UMa ; 2.43; 11000;occ; 108; 0;31873
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22; 6737.7; 04-APR-2008 19:24:30; Dark ; 46.5; 4; Alp1Cen ; -0.01; 5800;occ; 93; 0;31873
23; 6861.0; 04-APR-2008 19:26:33; Dark ; 44.0; 12; Alp1Cru ; 0.77; 30000;occ; 88; 0;31873
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3; 1472.0; 04-APR-2008 19:37:20; Dark ; 44.5; 106; 9Bet Crv ; 2.65; 5600;occ; 89; 0;31874
4; 1586.8; 04-APR-2008 19:39:15; Dark ; 42.0; 100; 4Gam Crv ; 2.58; 13100;occ; 84; 0;31874
5; 2156.5; 04-APR-2008 19:48:44; Bright; 37.0; 62; 94Bet Leo ; 2.14; 9700;occ; 74; 0;31874
6; 2258.6; 04-APR-2008 19:50:26; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;31874
7; 2664.3; 04-APR-2008 19:57:12; Bright; 34.0; 174; 52Psi UMa ; 3.00; 4400;occ; 68; 0;31874
8; 2836.4; 04-APR-2008 20:00:04; Bright; 54.0; 87; 64Gam UMa ; 2.43; 11000;occ; 108; 0;31874
9; 2955.7; 04-APR-2008 20:02:03; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;31874
10; 3318.8; 04-APR-2008 20:08:07; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;31874
11; 3440.9; 04-APR-2008 20:10:09; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;31874
12; 3898.1; 04-APR-2008 20:17:46; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;31874
13; 4844.5; 04-APR-2008 20:33:32; Dark ; 46.0; 61; 8Eps Peg ; 2.10; 3900;occ; 92; 0;31874

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 16; 5277.7; 04-APR-2008 20:40:46; Dark ; 41.0; 142; 49Del Cap ; 2.85; 8900;occ; 82; 0;31874  
 17; 5609.5; 04-APR-2008 20:46:17; Dark ; 38.0; 172; Gam Gru ; 3.00; 13100;occ; 76; 0;31874  
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 19; 6015.5; 04-APR-2008 20:53:03; Dark ; 38.0; 45; Alp Pav ; 1.94; 26000;occ; 76; 0;31874  
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 21; 6583.0; 04-APR-2008 21:02:31; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;31874  
 22; 6738.1; 04-APR-2008 21:05:06; Dark ; 47.5; 4; Alp1Cen ; -0.01; 5800;occ; 95; 0;31874  
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 6; 2156.5; 04-APR-2008 21:29:20; Bright; 41.0; 62; 94Bet Leo ; 2.14; 9700;occ; 82; 0;31875  
 7; 2258.7; 04-APR-2008 21:31:02; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;31875  
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 13; 3898.0; 04-APR-2008 21:58:22; Bright; 35.5; 89; 5Alp Cep ; 2.45; 8000;occ; 71; 0;31875  
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 22; 6583.5; 04-APR-2008 22:43:07; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;31875  
 23; 6738.4; 04-APR-2008 22:45:42; Dark ; 52.0; 4; Alp1Cen ; -0.01; 5800;occ; 104; 0;31875  
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 4; 2258.6; 05-APR-2008 00:52:14; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;31877  
 5; 2664.2; 05-APR-2008 00:59:00; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;31877  
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 9; 3440.9; 05-APR-2008 01:11:56; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;31877  
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 12; 4994.6; 05-APR-2008 01:37:50; Dark ; 43.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 87; 0;31877  
 13; 5127.3; 05-APR-2008 01:40:03; Dark ; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;31877  
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 19; 6739.3; 05-APR-2008 02:06:55; Dark ; 45.5; 4; Alp1Cen ; -0.01; 5800;occ; 91; 0;31877  
 20; 6861.7; 05-APR-2008 02:08:57; Dark ; 44.5; 12; Alp1Cru ; 0.77; 30000;occ; 89; 0;31877  
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 23; 7227.9; 05-APR-2008 02:15:03; Dark ; 42.0; 123; Tot Cen ; 2.75; 10200;occ; 84; 0;31877  
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 2; 1587.2; 05-APR-2008 02:21:38; Dark ; 40.5; 100; 4Gam Crv ; 2.58; 13100;occ; 81; 0;31878



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6; 2835.6; 05-APR-2008 02:42:27; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;31878
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3; 704.4; 05-APR-2008 05:28:08; Dark ; 52.5; 4; Alp1Cen ;-0.01; 5800;occ; 105; 0;31880
4; 826.3; 05-APR-2008 05:30:10; Dark ; 48.0; 12; Alp1Cru ; 0.77; 30000;occ; 96; 0;31880
5; 915.6; 05-APR-2008 05:31:39; Dark ; 50.5; 26; Gam Cru ; 1.62; 2900;occ; 101; 0;31880
6; 1034.4; 05-APR-2008 05:33:38; Dark ; 39.0; 64; Gam Cen ; 2.20; 10600;occ; 78; 0;31880
7; 1473.2; 05-APR-2008 05:40:56; Dark ; 41.0; 106; 9Bet Crv ; 2.65; 5600;occ; 82; 0;31880
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6; 3441.1; 05-APR-2008 06:13:44; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;31880
7; 3855.9; 05-APR-2008 06:20:39; Bright; 32.5; 76; 27Gam Cas ; 2.30; 30000;occ; 65; 0;31880
8; 3935.6; 05-APR-2008 06:21:59; Bright; 32.5; 68; 18Alp Cas ; 2.22; 4500;occ; 65; 0;31880
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 23; 7074.6; 06-APR-2008 06:42:41; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;31894  
 24; 7511.9; 06-APR-2008 06:49:58; Dark ; 42.5; 106; 9Bet Crv ; 2.65; 5600;occ; 85; 0;31894  
 25; 7625.8; 06-APR-2008 06:51:52; Dark ; 38.5; 100; 4Gam Crv ; 2.58; 13100;occ; 77; 0;31894

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 5; 2955.6; 06-APR-2008 07:14:38; Bright; 34.5; 36; 50Alp UMa ; 1.80; 6300;occ; 69; 0;31895  
 6; 3441.3; 06-APR-2008 07:22:43; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;31895  
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 8; 3939.4; 06-APR-2008 07:31:02; Bright; 33.5; 68; 18Alp Cas ; 2.22; 4500;occ; 67; 0;31895  
 9; 4851.3; 06-APR-2008 07:46:13; Dark ; 43.0; 61; 8Eps Peg ; 2.10; 3900;occ; 86; 0;31895  
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 11; 5135.5; 06-APR-2008 07:50:58; Dark ; 45.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 90; 0;31895  
 12; 5286.1; 06-APR-2008 07:53:28; Dark ; 42.5; 142; 49Del Cap ; 2.85; 8900;occ; 85; 0;31895  
 13; 5441.5; 06-APR-2008 07:56:04; Dark ; 40.0; 18; 24Alp PsA ; 1.17; 9700;occ; 80; 0;31895  
 14; 5615.9; 06-APR-2008 07:58:58; Dark ; 36.0; 172; Gam Gru ; 3.00; 13100;occ; 72; 0;31895  
 15; 5754.1; 06-APR-2008 08:01:16; Dark ; 39.5; 31; Alp Gru ; 1.73; 15200;occ; 79; 0;31895  
 16; 5898.9; 06-APR-2008 08:03:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31895  
 17; 6024.7; 06-APR-2008 08:05:47; Dark ; 38.5; 45; Alp Pav ; 1.94; 26000;occ; 77; 0;31895  
 18; 6476.0; 06-APR-2008 08:13:18; Dark ; 46.5; 43; Alp TrA ; 1.91; 4250;occ; 93; 0;31895  
 19; 6593.6; 06-APR-2008 08:15:16; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;31895  
 20; 6747.3; 06-APR-2008 08:17:49; Dark ; 54.0; 4; Alp1Cen ;-0.01; 5800;occ; 108; 0;31895  
 21; 6865.6; 06-APR-2008 08:19:48; Dark ; 39.5; 12; Alp1Cru ; 0.77; 30000;occ; 79; 0;31895  
 22; 6955.3; 06-APR-2008 08:21:17; Dark ; 41.5; 26; Gam Cru ; 1.62; 2900;occ; 83; 0;31895  
 23; 7074.8; 06-APR-2008 08:23:17; Dark ; 37.5; 64; Gam Cen ; 2.20; 10600;occ; 75; 0;31895  
 24; 7512.1; 06-APR-2008 08:30:34; Dark ; 41.5; 106; 9Bet Crv ; 2.65; 5600;occ; 83; 0;31895  
 25; 7625.8; 06-APR-2008 08:32:28; Dark ; 39.0; 100; 4Gam Crv ; 2.58; 13100;occ; 78; 0;31895

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 2; 2260.0; 06-APR-2008 08:43:38; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;31896  
 3; 2664.2; 06-APR-2008 08:50:22; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;31896



4; 2832.7; 06-APR-2008 08:53:11; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;31896  
5; 2955.5; 06-APR-2008 08:55:14; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;31896  
6; 3441.2; 06-APR-2008 09:03:19; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;31896  
7; 3860.1; 06-APR-2008 09:10:18; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;31896  
8; 3939.6; 06-APR-2008 09:11:38; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;31896  
9; 4851.6; 06-APR-2008 09:26:50; Dark ; 44.5; 61; 8Eps Peg ; 2.10; 3900;occ; 89; 0;31896  
10; 5000.4; 06-APR-2008 09:29:18; Dark ; 42.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 84; 0;31896  
11; 5136.0; 06-APR-2008 09:31:34; Dark ; 46.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 92; 0;31896  
12; 5286.4; 06-APR-2008 09:34:04; Dark ; 40.5; 142; 49Del Cap ; 2.85; 8900;occ; 81; 0;31896  
13; 5441.4; 06-APR-2008 09:36:39; Dark ; 42.0; 18; 24Alp PsA ; 1.17; 9700;occ; 84; 0;31896  
14; 5616.2; 06-APR-2008 09:39:34; Dark ; 37.0; 172; Gam Gru ; 3.00; 13100;occ; 74; 0;31896  
15; 5754.3; 06-APR-2008 09:41:52; Dark ; 38.0; 31; Alp Gru ; 1.73; 15200;occ; 76; 0;31896  
16; 5899.3; 06-APR-2008 09:44:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31896  
17; 6025.1; 06-APR-2008 09:46:23; Dark ; 38.0; 45; Alp Pav ; 1.94; 26000;occ; 76; 0;31896  
18; 6476.3; 06-APR-2008 09:53:54; Dark ; 39.0; 43; Alp TrA ; 1.91; 4250;occ; 78; 0;31896  
19; 6594.1; 06-APR-2008 09:55:52; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;31896  
20; 6747.6; 06-APR-2008 09:58:26; Dark ; 47.5; 4; Alp1Cen ;-0.01; 5800;occ; 95; 0;31896  
21; 6865.8; 06-APR-2008 10:00:24; Dark ; 47.0; 12; Alp1Cru ; 0.77; 30000;occ; 94; 0;31896  
22; 6955.5; 06-APR-2008 10:01:53; Dark ; 43.5; 26; Gam Cru ; 1.62; 2900;occ; 87; 0;31896  
23; 7075.1; 06-APR-2008 10:03:53; Dark ; 37.0; 64; Gam Cen ; 2.20; 10600;occ; 74; 0;31896  
24; 7512.2; 06-APR-2008 10:11:10; Dark ; 43.5; 106; 9Bet Crv ; 2.65; 5600;occ; 87; 0;31896  
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3; 2664.3; 06-APR-2008 10:30:58; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;31897  
4; 2832.6; 06-APR-2008 10:33:47; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;31897  
5; 2955.5; 06-APR-2008 10:35:49; Bright; 34.5; 36; 50Alp UMa ; 1.80; 6300;occ; 69; 0;31897  
6; 3441.2; 06-APR-2008 10:43:55; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;31897  
7; 3860.3; 06-APR-2008 10:50:54; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;31897  
8; 3939.8; 06-APR-2008 10:52:14; Bright; 32.5; 68; 18Alp Cas ; 2.22; 4500;occ; 65; 0;31897  
9; 4851.9; 06-APR-2008 11:07:26; Dark ; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;31897  
10; 5000.6; 06-APR-2008 11:09:55; Dark ; 43.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 86; 0;31897  
11; 5136.4; 06-APR-2008 11:12:10; Dark ; 45.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 91; 0;31897  
12; 5286.8; 06-APR-2008 11:14:41; Dark ; 40.0; 142; 49Del Cap ; 2.85; 8900;occ; 80; 0;31897  
13; 5441.5; 06-APR-2008 11:17:15; Dark ; 42.5; 18; 24Alp PsA ; 1.17; 9700;occ; 85; 0;31897  
14; 5616.5; 06-APR-2008 11:20:10; Dark ; 38.0; 172; Gam Gru ; 3.00; 13100;occ; 76; 0;31897  
15; 5754.5; 06-APR-2008 11:22:28; Dark ; 37.5; 31; Alp Gru ; 1.73; 15200;occ; 75; 0;31897  
16; 5899.7; 06-APR-2008 11:24:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31897  
17; 6025.5; 06-APR-2008 11:26:59; Dark ; 38.0; 45; Alp Pav ; 1.94; 26000;occ; 76; 0;31897  
18; 6476.7; 06-APR-2008 11:34:31; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;31897  
19; 6594.5; 06-APR-2008 11:36:28; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;31897  
20; 6748.1; 06-APR-2008 11:39:02; Dark ; 54.5; 4; Alp1Cen ;-0.01; 5800;occ; 109; 0;31897  
21; 6865.9; 06-APR-2008 11:41:00; Dark ; 39.0; 12; Alp1Cru ; 0.77; 30000;occ; 78; 0;31897  
22; 6955.7; 06-APR-2008 11:42:30; Dark ; 43.0; 26; Gam Cru ; 1.62; 2900;occ; 86; 0;31897  
23; 7075.4; 06-APR-2008 11:44:29; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;31897  
24; 7512.3; 06-APR-2008 11:51:46; Dark ; 43.0; 106; 9Bet Crv ; 2.65; 5600;occ; 86; 0;31897  
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2; 2155.7; 06-APR-2008 12:03:06; Bright; 35.5; 62; 94Bet Leo ; 2.14; 9700;occ; 71; 0;31898  
3; 2260.0; 06-APR-2008 12:04:50; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;31898  
4; 2664.3; 06-APR-2008 12:11:34; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;31898  
5; 2832.4; 06-APR-2008 12:14:22; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;31898  
6; 2955.5; 06-APR-2008 12:16:25; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;31898  
7; 3441.3; 06-APR-2008 12:24:31; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;31898  
8; 3860.5; 06-APR-2008 12:31:30; Bright; 33.5; 76; 27Gam Cas ; 2.30; 30000;occ; 67; 0;31898  
9; 3940.1; 06-APR-2008 12:32:50; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;31898  
10; 4852.2; 06-APR-2008 12:48:02; Dark ; 43.5; 61; 8Eps Peg ; 2.10; 3900;occ; 87; 0;31898  
11; 5001.0; 06-APR-2008 12:50:31; Dark ; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;31898  
12; 5136.8; 06-APR-2008 12:52:47; Dark ; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;31898  
13; 5287.2; 06-APR-2008 12:55:17; Dark ; 42.0; 142; 49Del Cap ; 2.85; 8900;occ; 84; 0;31898  
14; 5441.7; 06-APR-2008 12:57:51; Dark ; 41.5; 18; 24Alp PsA ; 1.17; 9700;occ; 83; 0;31898  
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16; 5754.8; 06-APR-2008 13:03:05; Dark ; 41.5; 31; Alp Gru ; 1.73; 15200;occ; 83; 0;31898  
17; 5900.2; 06-APR-2008 13:05:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31898  
18; 6025.9; 06-APR-2008 13:07:36; Dark ; 37.0; 45; Alp Pav ; 1.94; 26000;occ; 74; 0;31898  
19; 6477.2; 06-APR-2008 13:15:07; Dark ; 39.0; 43; Alp TrA ; 1.91; 4250;occ; 78; 0;31898

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21; 6748.5; 06-APR-2008 13:19:38; Dark ; 48.5; 4; Alp1Cen ;-0.01; 5800;occ; 97; 0;31898
22; 6866.1; 06-APR-2008 13:21:36; Dark ; 40.5; 12; Alp1Cru ; 0.77; 30000;occ; 81; 0;31898
23; 6956.0; 06-APR-2008 13:23:06; Dark ; 43.5; 26; Gam Cru ; 1.62; 2900;occ; 87; 0;31898
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 4; 2664.4; 06-APR-2008 13:52:10; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;31899
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11; 4852.6; 06-APR-2008 14:28:38; Dark ; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 0;31899
12; 5001.4; 06-APR-2008 14:31:07; Dark ; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;31899
13; 5137.4; 06-APR-2008 14:33:23; Dark ; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;31899
14; 5287.7; 06-APR-2008 14:35:53; Dark ; 39.5; 142; 49Del Cap ; 2.85; 8900;occ; 79; 0;31899
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16; 5617.3; 06-APR-2008 14:41:23; Dark ; 37.0; 172; Gam Gru ; 3.00; 13100;occ; 74; 0;31899
17; 5755.1; 06-APR-2008 14:43:41; Dark ; 37.5; 31; Alp Gru ; 1.73; 15200;occ; 75; 0;31899
18; 5900.7; 06-APR-2008 14:46:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31899
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21; 6595.6; 06-APR-2008 14:57:41; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;31899
22; 6749.0; 06-APR-2008 15:00:15; Dark ; 47.5; 4; Alp1Cen ;-0.01; 5800;occ; 95; 0;31899
23; 6866.3; 06-APR-2008 15:02:12; Dark ; 44.5; 12; Alp1Cru ; 0.77; 30000;occ; 89; 0;31899
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23; 6866.6; 06-APR-2008 16:42:48; Dark ; 43.0; 12; Alp1Cru ; 0.77; 30000;occ; 86; 0;31900
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 8; 3441.3; 07-APR-2008 01:49:18; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;31906  
 9; 3862.6; 07-APR-2008 01:56:20; Bright; 34.0; 76; 27Gam Cas ; 2.30; 30000;occ; 68; 0;31906  
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 13; 5442.8; 07-APR-2008 04:03:16; Dark ; 42.5; 18; 24Alp PsA ; 1.17; 9700;occ; 85; 0;31907  
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 19; 6599.5; 07-APR-2008 04:22:33; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;31907  
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 22; 6958.1; 07-APR-2008 04:28:31; Dark ; 48.5; 26; Gam Cru ; 1.62; 2900;occ; 97; 0;31907  
 23; 7078.2; 07-APR-2008 04:30:31; Dark ; 36.0; 64; Gam Cen ; 2.20; 10600;occ; 72; 0;31907  
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9; 3926.0; 07-APR-2008 05:18:35; Bright; 33.5; 74; 11Bet Cas ; 2.27; 6600;occ; 67; 0;31908  
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13; 5442.8; 07-APR-2008 05:43:52; Dark ; 42.0; 18; 24Alp PsA ; 1.17; 9700;occ; 84; 0;31908  
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10; 924.5; 07-APR-2008 22:55:09; Dark ; 45.5; 26; Gam Cru ; 1.62; 2900;occ; 91; 0;31919  
11; 1044.9; 07-APR-2008 22:57:09; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;31919  
12; 1480.1; 07-APR-2008 23:04:24; Dark ; 41.0; 106; 9Bet Crv ; 2.65; 5600;occ; 82; 0;31919  
13; 1592.9; 07-APR-2008 23:06:17; Dark ; 38.0; 100; 4Gam Crv ; 2.58; 13100;occ; 76; 0;31919  
14; 2155.3; 07-APR-2008 23:15:39; Bright; 36.5; 62; 94Bet Leo ; 2.14; 9700;occ; 73; 0;31919  
15; 2261.6; 07-APR-2008 23:17:26; Bright; 44.5; 96; 68Del Leo ; 2.56; 9300;occ; 89; 0;31919  
16; 2664.7; 07-APR-2008 23:24:09; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;31919  
17; 2829.2; 07-APR-2008 23:26:53; Bright; 37.5; 87; 64Gam UMa ; 2.43; 11000;occ; 75; 0;31919  
18; 2955.4; 07-APR-2008 23:29:00; Bright; 33.0; 36; 50Alp UMa ; 1.80; 6300;occ; 66; 0;31919  
19; 3441.4; 07-APR-2008 23:37:06; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;31919  
20; 3843.9; 07-APR-2008 23:43:48; Bright; 34.5; 110; 37Del Cas ; 2.68; 8900;occ; 69; 0;31919  
21; 3927.7; 07-APR-2008 23:45:12; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;31919  
22; 4458.3; 07-APR-2008 23:54:02; Bright; 34.5; 164; 44Eta Peg ; 2.95; 5400;occ; 69; 0;31919  
23; 5007.8; 08-APR-2008 00:03:12; Dark ; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;31919  
24; 5296.0; 08-APR-2008 00:08:00; Dark ; 39.5; 142; 49Del Cap ; 2.85; 8900;occ; 79; 0;31919

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2; -591.8; 08-APR-2008 00:10:28; Dark ; 43.0; 18; 24Alp PsA ; 1.17; 9700;occ; 86; 0;31919  
3; -276.5; 08-APR-2008 00:15:44; Dark ; 38.5; 31; Alp Gru ; 1.73; 15200;occ; 77; 0;31919  
4; -126.0; 08-APR-2008 00:18:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31919  
5; -0.6; 08-APR-2008 00:20:19; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;31919  
6; 449.9; 08-APR-2008 00:27:50; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;31920  
7; 569.3; 08-APR-2008 00:29:49; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;31920  
8; 721.3; 08-APR-2008 00:32:21; Dark ; 53.5; 4; Alp1Cen ; -0.01; 5800;occ; 107; 0;31920  
9; 834.1; 08-APR-2008 00:34:14; Dark ; 46.5; 12; Alp1Cru ; 0.77; 30000;occ; 93; 0;31920  
10; 924.6; 08-APR-2008 00:35:45; Dark ; 47.0; 26; Gam Cru ; 1.62; 2900;occ; 94; 0;31920  
11; 1045.2; 08-APR-2008 00:37:45; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;31920  
12; 1480.4; 08-APR-2008 00:45:00; Dark ; 41.5; 106; 9Bet Crv ; 2.65; 5600;occ; 83; 0;31920  
13; 1593.1; 08-APR-2008 00:46:53; Dark ; 40.0; 100; 4Gam Crv ; 2.58; 13100;occ; 80; 0;31920  
14; 2155.3; 08-APR-2008 00:56:15; Bright; 36.5; 62; 94Bet Leo ; 2.14; 9700;occ; 73; 0;31920  
15; 2261.9; 08-APR-2008 00:58:02; Bright; 40.0; 96; 68Del Leo ; 2.56; 9300;occ; 80; 0;31920  
16; 2664.6; 08-APR-2008 01:04:45; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;31920  
17; 2829.2; 08-APR-2008 01:07:29; Bright; 35.0; 87; 64Gam UMa ; 2.43; 11000;occ; 70; 0;31920  
18; 2955.5; 08-APR-2008 01:09:36; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;31920  
19; 3441.4; 08-APR-2008 01:17:41; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;31920  
20; 3844.2; 08-APR-2008 01:24:24; Bright; 34.0; 110; 37Del Cas ; 2.68; 8900;occ; 68; 0;31920  
21; 3927.8; 08-APR-2008 01:25:48; Bright; 32.5; 74; 11Bet Cas ; 2.27; 6600;occ; 65; 0;31920  
22; 4458.5; 08-APR-2008 01:34:38; Bright; 34.5; 164; 44Eta Peg ; 2.95; 5400;occ; 69; 0;31920  
23; 5008.1; 08-APR-2008 01:43:48; Dark ; 41.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 83; 0;31920

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2; -591.7; 08-APR-2008 01:51:04; Dark ; 42.0; 18; 24Alp PsA ; 1.17; 9700;occ; 84; 0;31920  
3; -276.1; 08-APR-2008 01:56:20; Dark ; 37.0; 31; Alp Gru ; 1.73; 15200;occ; 74; 0;31920  
4; -125.5; 08-APR-2008 01:58:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31920  
5; -0.1; 08-APR-2008 02:00:56; Dark ; 38.0; 45; Alp Pav ; 1.94; 26000;occ; 76; 0;31920  
6; 450.4; 08-APR-2008 02:08:26; Dark ; 37.5; 43; Alp TrA ; 1.91; 4250;occ; 75; 0;31921  
7; 569.8; 08-APR-2008 02:10:26; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;31921  
8; 721.7; 08-APR-2008 02:12:58; Dark ; 54.5; 4; Alp1Cen ; -0.01; 5800;occ; 109; 0;31921  
9; 834.3; 08-APR-2008 02:14:50; Dark ; 45.5; 12; Alp1Cru ; 0.77; 30000;occ; 91; 0;31921  
10; 924.9; 08-APR-2008 02:16:21; Dark ; 45.0; 26; Gam Cru ; 1.62; 2900;occ; 90; 0;31921  
11; 1045.4; 08-APR-2008 02:18:21; Dark ; 38.0; 64; Gam Cen ; 2.20; 10600;occ; 76; 0;31921  
12; 1480.6; 08-APR-2008 02:25:36; Dark ; 44.0; 106; 9Bet Crv ; 2.65; 5600;occ; 88; 0;31921  
13; 1593.4; 08-APR-2008 02:27:29; Dark ; 38.5; 100; 4Gam Crv ; 2.58; 13100;occ; 77; 0;31921  
14; 2155.4; 08-APR-2008 02:36:51; Bright; 37.0; 62; 94Bet Leo ; 2.14; 9700;occ; 74; 0;31921  
15; 2262.0; 08-APR-2008 02:38:38; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;31921  
16; 2664.8; 08-APR-2008 02:45:21; Bright; 34.5; 174; 52Psi UMa ; 3.00; 4400;occ; 69; 0;31921  
17; 2829.0; 08-APR-2008 02:48:05; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;31921  
18; 2955.6; 08-APR-2008 02:50:11; Bright; 35.0; 36; 50Alp UMa ; 1.80; 6300;occ; 70; 0;31921  
19; 3441.5; 08-APR-2008 02:58:17; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;31921  
20; 3844.6; 08-APR-2008 03:05:00; Bright; 35.5; 110; 37Del Cas ; 2.68; 8900;occ; 71; 0;31921

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 2;-1577.2; 08-APR-2008 03:15:15; Bright; 38.5; 164; 44Eta Peg ; 2.95; 5400;occ; 77; 0;31921  
 3;-1027.4; 08-APR-2008 03:24:24; Dark ; 42.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 84; 0;31921  
 4; -739.0; 08-APR-2008 03:29:13; Dark ; 40.0; 142; 49Del Cap ; 2.85; 8900;occ; 80; 0;31921  
 5; -591.6; 08-APR-2008 03:31:40; Dark ; 45.0; 18; 24Alp PsA ; 1.17; 9700;occ; 90; 0;31921  
 6; -411.5; 08-APR-2008 03:34:40; Dark ; 36.5; 172; Gam Gru ; 3.00; 13100;occ; 73; 0;31921  
 7; -275.7; 08-APR-2008 03:36:56; Dark ; 38.5; 31; Alp Gru ; 1.73; 15200;occ; 77; 0;31921  
 8; -125.1; 08-APR-2008 03:39:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31921  
 9; 0.6; 08-APR-2008 03:41:32; Dark ; 36.5; 45; Alp Pav ; 1.94; 26000;occ; 73; 0;31922  
 10; 450.9; 08-APR-2008 03:49:03; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;31922  
 11; 570.4; 08-APR-2008 03:51:02; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;31922  
 12; 722.3; 08-APR-2008 03:53:34; Dark ; 45.5; 4; Alp1Cen ;-0.01; 5800;occ; 91; 0;31922  
 13; 834.7; 08-APR-2008 03:55:26; Dark ; 48.5; 12; Alp1Cru ; 0.77; 30000;occ; 97; 0;31922  
 14; 925.3; 08-APR-2008 03:56:57; Dark ; 44.5; 26; Gam Cru ; 1.62; 2900;occ; 89; 0;31922  
 15; 1045.8; 08-APR-2008 03:58:58; Dark ; 39.5; 64; Gam Cen ; 2.20; 10600;occ; 79; 0;31922  
 16; 1481.0; 08-APR-2008 04:06:13; Dark ; 43.0; 106; 9Bet Crv ; 2.65; 5600;occ; 86; 0;31922  
 17; 1593.6; 08-APR-2008 04:08:05; Dark ; 40.0; 100; 4Gam Crv ; 2.58; 13100;occ; 80; 0;31922  
 18; 2155.5; 08-APR-2008 04:17:27; Bright; 36.0; 62; 94Bet Leo ; 2.14; 9700;occ; 72; 0;31922  
 19; 2262.1; 08-APR-2008 04:19:14; Bright; 35.5; 96; 68Del Leo ; 2.56; 9300;occ; 71; 0;31922  
 20; 2664.9; 08-APR-2008 04:25:57; Bright; 34.0; 174; 52Psi UMa ; 3.00; 4400;occ; 68; 0;31922  
 21; 2829.0; 08-APR-2008 04:28:41; Bright; 40.0; 87; 64Gam UMa ; 2.43; 11000;occ; 80; 0;31922  
 22; 2955.7; 08-APR-2008 04:30:47; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;31922  
 23; 3441.6; 08-APR-2008 04:38:53; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;31922

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 2;-2107.6; 08-APR-2008 04:47:00; Bright; 35.5; 74; 11Bet Cas ; 2.27; 6600;occ; 71; 0;31922  
 3;-1576.9; 08-APR-2008 04:55:51; Bright; 34.5; 164; 44Eta Peg ; 2.95; 5400;occ; 69; 0;31922  
 4;-1027.1; 08-APR-2008 05:05:01; Dark ; 42.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 84; 0;31922  
 5; -738.5; 08-APR-2008 05:09:49; Dark ; 44.0; 142; 49Del Cap ; 2.85; 8900;occ; 88; 0;31922  
 6; -591.4; 08-APR-2008 05:12:16; Dark ; 42.0; 18; 24Alp PsA ; 1.17; 9700;occ; 84; 0;31922  
 7; -411.1; 08-APR-2008 05:15:17; Dark ; 38.0; 172; Gam Gru ; 3.00; 13100;occ; 76; 0;31922  
 8; -275.6; 08-APR-2008 05:17:32; Dark ; 39.5; 31; Alp Gru ; 1.73; 15200;occ; 79; 0;31922  
 9; -124.6; 08-APR-2008 05:20:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31922  
 10; 0.9; 08-APR-2008 05:22:09; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;31923  
 11; 451.3; 08-APR-2008 05:29:39; Dark ; 49.0; 43; Alp TrA ; 1.91; 4250;occ; 98; 0;31923  
 12; 570.8; 08-APR-2008 05:31:39; Dark ; 41.0; 134; Bet TrA ; 2.81; 6600;occ; 82; 0;31923  
 13; 722.7; 08-APR-2008 05:34:11; Dark ; 51.5; 4; Alp1Cen ;-0.01; 5800;occ; 103; 0;31923  
 14; 834.8; 08-APR-2008 05:36:03; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;31923  
 15; 925.5; 08-APR-2008 05:37:33; Dark ; 51.5; 26; Gam Cru ; 1.62; 2900;occ; 103; 0;31923  
 16; 1046.1; 08-APR-2008 05:39:34; Dark ; 38.5; 64; Gam Cen ; 2.20; 10600;occ; 77; 0;31923  
 17; 1481.2; 08-APR-2008 05:46:49; Dark ; 43.5; 106; 9Bet Crv ; 2.65; 5600;occ; 87; 0;31923  
 18; 1593.6; 08-APR-2008 05:48:41; Dark ; 41.0; 100; 4Gam Crv ; 2.58; 13100;occ; 82; 0;31923  
 19; 2155.5; 08-APR-2008 05:58:03; Bright; 36.0; 62; 94Bet Leo ; 2.14; 9700;occ; 72; 0;31923  
 20; 2262.2; 08-APR-2008 05:59:50; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;31923  
 21; 2665.0; 08-APR-2008 06:06:33; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;31923  
 22; 2829.0; 08-APR-2008 06:09:17; Bright; 35.0; 87; 64Gam UMa ; 2.43; 11000;occ; 70; 0;31923  
 23; 2955.6; 08-APR-2008 06:11:23; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;31923  
 24; 3441.6; 08-APR-2008 06:19:29; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;31923

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 3;-1576.7; 08-APR-2008 06:36:27; Bright; 34.0; 164; 44Eta Peg ; 2.95; 5400;occ; 68; 0;31923  
 4;-1026.8; 08-APR-2008 06:45:37; Dark ; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;31923  
 5; -738.1; 08-APR-2008 06:50:26; Dark ; 41.5; 142; 49Del Cap ; 2.85; 8900;occ; 83; 0;31923  
 6; -591.3; 08-APR-2008 06:52:53; Dark ; 41.5; 18; 24Alp PsA ; 1.17; 9700;occ; 83; 0;31923  
 7; -410.7; 08-APR-2008 06:55:53; Dark ; 38.0; 172; Gam Gru ; 3.00; 13100;occ; 76; 0;31923  
 8; -275.3; 08-APR-2008 06:58:09; Dark ; 40.5; 31; Alp Gru ; 1.73; 15200;occ; 81; 0;31923  
 9; -124.1; 08-APR-2008 07:00:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31923  
 10; 1.5; 08-APR-2008 07:02:45; Dark ; 38.5; 45; Alp Pav ; 1.94; 26000;occ; 77; 0;31924  
 11; 451.7; 08-APR-2008 07:10:16; Dark ; 42.5; 43; Alp TrA ; 1.91; 4250;occ; 85; 0;31924  
 12; 571.3; 08-APR-2008 07:12:15; Dark ; 41.0; 134; Bet TrA ; 2.81; 6600;occ; 82; 0;31924  
 13; 723.1; 08-APR-2008 07:14:47; Dark ; 44.5; 4; Alp1Cen ;-0.01; 5800;occ; 89; 0;31924  
 14; 835.0; 08-APR-2008 07:16:39; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;31924  
 15; 925.8; 08-APR-2008 07:18:10; Dark ; 44.5; 26; Gam Cru ; 1.62; 2900;occ; 89; 0;31924  
 16; 1046.4; 08-APR-2008 07:20:10; Dark ; 39.5; 64; Gam Cen ; 2.20; 10600;occ; 79; 0;31924  
 17; 1481.3; 08-APR-2008 07:27:25; Dark ; 42.5; 106; 9Bet Crv ; 2.65; 5600;occ; 85; 0;31924  
 18; 1593.8; 08-APR-2008 07:29:18; Dark ; 39.0; 100; 4Gam Crv ; 2.58; 13100;occ; 78; 0;31924

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 3; 2664.9; 08-APR-2008 07:47:09; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;31924  
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 5; 2955.7; 08-APR-2008 07:51:59; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;31924  
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 9; 4459.4; 08-APR-2008 08:17:03; Bright; 35.0; 164; 44Eta Peg ; 2.95; 5400;occ; 70; 0;31924  
 10; 5009.5; 08-APR-2008 08:26:13; Dark ; 44.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 88; 0;31924  
 11; 5298.3; 08-APR-2008 08:31:02; Dark ; 41.0; 142; 49Del Cap ; 2.85; 8900;occ; 82; 0;31924  
 12; 5444.8; 08-APR-2008 08:33:29; Dark ; 40.0; 18; 24Alp PsA ; 1.17; 9700;occ; 80; 0;31924  
 13; 5625.5; 08-APR-2008 08:36:29; Dark ; 37.5; 172; Gam Gru ; 3.00; 13100;occ; 75; 0;31924  
 14; 5760.9; 08-APR-2008 08:38:45; Dark ; 40.0; 31; Alp Gru ; 1.73; 15200;occ; 80; 0;31924  
 15; 5912.3; 08-APR-2008 08:41:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31924  
 16; 6037.8; 08-APR-2008 08:43:22; Dark ; 38.5; 45; Alp Pav ; 1.94; 26000;occ; 77; 0;31924  
 17; 6488.1; 08-APR-2008 08:50:52; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;31924  
 18; 6607.7; 08-APR-2008 08:52:52; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;31924  
 19; 6759.4; 08-APR-2008 08:55:23; Dark ; 53.5; 4; Alp1Cen ; -0.01; 5800;occ; 107; 0;31924  
 20; 6871.2; 08-APR-2008 08:57:15; Dark ; 40.5; 12; Alp1Cru ; 0.77; 30000;occ; 81; 0;31924  
 21; 6961.9; 08-APR-2008 08:58:46; Dark ; 48.0; 26; Gam Cru ; 1.62; 2900;occ; 96; 0;31924  
 22; 7082.5; 08-APR-2008 09:00:46; Dark ; 37.5; 64; Gam Cen ; 2.20; 10600;occ; 75; 0;31924  
 23; 7517.4; 08-APR-2008 09:08:01; Dark ; 43.5; 106; 9Bet Crv ; 2.65; 5600;occ; 87; 0;31924  
 24; 7629.9; 08-APR-2008 09:09:54; Dark ; 39.5; 100; 4Gam Crv ; 2.58; 13100;occ; 79; 0;31924

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 4; 2828.6; 08-APR-2008 09:30:28; Bright; 35.0; 87; 64Gam UMa ; 2.43; 11000;occ; 70; 0;31925  
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 6; 3845.8; 08-APR-2008 09:47:25; Bright; 37.5; 110; 37Del Cas ; 2.68; 8900;occ; 75; 0;31925  
 7; 3928.8; 08-APR-2008 09:48:49; Bright; 34.0; 74; 11Bet Cas ; 2.27; 6600;occ; 68; 0;31925  
 8; 4459.4; 08-APR-2008 09:57:39; Bright; 33.5; 164; 44Eta Peg ; 2.95; 5400;occ; 67; 0;31925  
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 10; 5298.7; 08-APR-2008 10:11:38; Dark ; 41.0; 142; 49Del Cap ; 2.85; 8900;occ; 82; 0;31925  
 11; 5444.9; 08-APR-2008 10:14:05; Dark ; 40.5; 18; 24Alp PsA ; 1.17; 9700;occ; 81; 0;31925  
 12; 5626.0; 08-APR-2008 10:17:06; Dark ; 39.5; 172; Gam Gru ; 3.00; 13100;occ; 79; 0;31925  
 13; 5761.1; 08-APR-2008 10:19:21; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;31925  
 14; 5912.7; 08-APR-2008 10:21:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31925  
 15; 6038.3; 08-APR-2008 10:23:58; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;31925  
 16; 6488.4; 08-APR-2008 10:31:28; Dark ; 38.5; 43; Alp TrA ; 1.91; 4250;occ; 77; 0;31925  
 17; 6608.2; 08-APR-2008 10:33:28; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;31925  
 18; 6759.7; 08-APR-2008 10:35:59; Dark ; 54.0; 4; Alp1Cen ; -0.01; 5800;occ; 108; 0;31925  
 19; 6871.3; 08-APR-2008 10:37:51; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;31925  
 20; 6962.0; 08-APR-2008 10:39:22; Dark ; 41.0; 26; Gam Cru ; 1.62; 2900;occ; 82; 0;31925  
 21; 7082.7; 08-APR-2008 10:41:22; Dark ; 37.0; 64; Gam Cen ; 2.20; 10600;occ; 74; 0;31925  
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 23; 7517.5; 08-APR-2008 10:48:37; Dark ; 43.0; 106; 9Bet Crv ; 2.65; 5600;occ; 86; 0;31925  
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 8; 3928.9; 08-APR-2008 11:29:24; Bright; 32.5; 74; 11Bet Cas ; 2.27; 6600;occ; 65; 0;31926  
 9; 4459.5; 08-APR-2008 11:38:15; Bright; 34.0; 164; 44Eta Peg ; 2.95; 5400;occ; 68; 0;31926  
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 11; 5299.1; 08-APR-2008 11:52:15; Dark ; 41.5; 142; 49Del Cap ; 2.85; 8900;occ; 83; 0;31926  
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 13; 5626.2; 08-APR-2008 11:57:42; Dark ; 37.5; 172; Gam Gru ; 3.00; 13100;occ; 75; 0;31926  
 14; 5761.3; 08-APR-2008 11:59:57; Dark ; 41.0; 31; Alp Gru ; 1.73; 15200;occ; 82; 0;31926  
 15; 5913.2; 08-APR-2008 12:02:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31926  
 16; 6488.9; 08-APR-2008 12:12:04; Dark ; 41.5; 43; Alp TrA ; 1.91; 4250;occ; 83; 0;31926  
 17; 6608.7; 08-APR-2008 12:14:04; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;31926



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 19; 6871.4; 08-APR-2008 12:18:27; Dark ; 45.5; 12; Alp1Cru ; 0.77; 30000;occ; 91; 0;31926  
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 21; 7083.0; 08-APR-2008 12:21:59; Dark ; 39.0; 64; Gam Cen ; 2.20; 10600;occ; 78; 0;31926  
 22; 7244.2; 08-APR-2008 12:24:40; Dark ; 28.0; 123; Iot Cen ; 2.75; 10200;occ; 56; 0;31926  
 23; 7517.7; 08-APR-2008 12:29:13; Dark ; 40.0; 106; 9Bet Crv ; 2.65; 5600;occ; 80; 0;31926  
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 3; 2262.6; 08-APR-2008 12:42:14; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;31927  
 4; 2665.1; 08-APR-2008 12:48:57; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;31927  
 5; 2828.2; 08-APR-2008 12:51:40; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;31927  
 6; 2955.8; 08-APR-2008 12:53:47; Bright; 35.5; 36; 50Alp UMa ; 1.80; 6300;occ; 71; 0;31927  
 7; 3441.6; 08-APR-2008 13:01:53; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;31927  
 8; 3846.5; 08-APR-2008 13:08:38; Bright; 33.0; 110; 37Del Cas ; 2.68; 8900;occ; 66; 0;31927  
 9; 3929.3; 08-APR-2008 13:10:01; Bright; 35.5; 74; 11Bet Cas ; 2.27; 6600;occ; 71; 0;31927  
 10; 4459.7; 08-APR-2008 13:18:51; Bright; 34.5; 164; 44Eta Peg ; 2.95; 5400;occ; 69; 0;31927  
 11; 5010.6; 08-APR-2008 13:28:02; Dark ; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;31927  
 12; 5299.5; 08-APR-2008 13:32:51; Dark ; 42.0; 142; 49Del Cap ; 2.85; 8900;occ; 84; 0;31927  
 13; 5445.2; 08-APR-2008 13:35:17; Dark ; 39.0; 18; 24Alp PsA ; 1.17; 9700;occ; 78; 0;31927  
 14; 5626.8; 08-APR-2008 13:38:18; Dark ; 37.5; 172; Gam Gru ; 3.00; 13100;occ; 75; 0;31927  
 15; 5761.6; 08-APR-2008 13:40:33; Dark ; 37.5; 31; Alp Gru ; 1.73; 15200;occ; 75; 0;31927  
 16; 5913.7; 08-APR-2008 13:43:05; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;31927  
 17; 6489.4; 08-APR-2008 13:52:41; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;31927  
 18; 6609.2; 08-APR-2008 13:54:41; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;31927  
 19; 6760.7; 08-APR-2008 13:57:12; Dark ; 55.0; 4; Alp1Cen ; -0.01; 5800;occ; 110; 0;31927  
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 21; 6962.5; 08-APR-2008 14:00:34; Dark ; 45.5; 26; Gam Cru ; 1.62; 2900;occ; 91; 0;31927  
 22; 7083.4; 08-APR-2008 14:02:35; Dark ; 37.5; 64; Gam Cen ; 2.20; 10600;occ; 75; 0;31927  
 23; 7244.4; 08-APR-2008 14:05:16; Dark ; 35.0; 123; Iot Cen ; 2.75; 10200;occ; 70; 0;31927  
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 3; 2155.5; 08-APR-2008 14:21:03; Bright; 35.5; 62; 94Bet Leo ; 2.14; 9700;occ; 71; 0;31928  
 4; 2262.9; 08-APR-2008 14:22:50; Bright; 38.0; 96; 68Del Leo ; 2.56; 9300;occ; 76; 0;31928  
 5; 2665.2; 08-APR-2008 14:29:32; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;31928  
 6; 2828.2; 08-APR-2008 14:32:15; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;31928  
 7; 2955.8; 08-APR-2008 14:34:23; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;31928  
 8; 3441.7; 08-APR-2008 14:42:29; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;31928  
 9; 3846.8; 08-APR-2008 14:49:14; Bright; 34.5; 110; 37Del Cas ; 2.68; 8900;occ; 69; 0;31928  
 10; 3929.4; 08-APR-2008 14:50:37; Bright; 35.0; 74; 11Bet Cas ; 2.27; 6600;occ; 70; 0;31928  
 11; 4460.0; 08-APR-2008 14:59:27; Bright; 46.0; 164; 44Eta Peg ; 2.95; 5400;occ; 92; 0;31928  
 12; 5010.9; 08-APR-2008 15:08:38; Dark ; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;31928  
 13; 5300.1; 08-APR-2008 15:13:27; Dark ; 41.5; 142; 49Del Cap ; 2.85; 8900;occ; 83; 0;31928  
 14; 5445.4; 08-APR-2008 15:15:53; Dark ; 43.0; 18; 24Alp PsA ; 1.17; 9700;occ; 86; 0;31928  
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 17; 5762.0; 08-APR-2008 15:21:09; Dark ; 40.0; 31; Alp Gru ; 1.73; 15200;occ; 80; 0;31928  
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 19; 6489.9; 08-APR-2008 15:33:17; Dark ; 41.0; 43; Alp TrA ; 1.91; 4250;occ; 82; 0;31928  
 20; 6609.6; 08-APR-2008 15:35:17; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;31928  
 21; 6761.1; 08-APR-2008 15:37:48; Dark ; 40.5; 4; Alp1Cen ; -0.01; 5800;occ; 81; 0;31928  
 22; 6871.9; 08-APR-2008 15:39:39; Dark ; 45.0; 12; Alp1Cru ; 0.77; 30000;occ; 90; 0;31928  
 23; 6962.8; 08-APR-2008 15:41:10; Dark ; 44.5; 26; Gam Cru ; 1.62; 2900;occ; 89; 0;31928  
 24; 7083.6; 08-APR-2008 15:43:11; Dark ; 39.0; 64; Gam Cen ; 2.20; 10600;occ; 78; 0;31928  
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 4; 2155.5; 08-APR-2008 16:01:39; Bright; 34.5; 62; 94Bet Leo ; 2.14; 9700;occ; 69; 0;31929  
 5; 2262.9; 08-APR-2008 16:03:26; Bright; 34.0; 96; 68Del Leo ; 2.56; 9300;occ; 68; 0;31929  
 6; 2665.3; 08-APR-2008 16:10:09; Bright; 51.5; 174; 52Psi UMa ; 3.00; 4400;occ; 103; 0;31929  
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13; 5011.2; 08-APR-2008 16:49:14; Dark ; 42.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 85; 0;31929
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17; 5627.4; 08-APR-2008 16:59:31; Dark ; 37.0; 172; Gam Gru ; 3.00; 13100;occ; 74; 0;31929
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21; 6610.3; 08-APR-2008 17:15:53; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;31929
22; 6761.6; 08-APR-2008 17:18:25; Dark ; 47.0; 4; Alp1Cen ;-0.01; 5800;occ; 94; 0;31929
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25; 7083.9; 08-APR-2008 17:23:47; Dark ; 39.0; 64; Gam Cen ; 2.20; 10600;occ; 78; 0;31929
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 12; 1052.2; 09-APR-2008 21:54:02; Dark ; 36.5; 64; Gam Cen ; 2.20; 10600;occ; 73; 0;31947  
 13; 1214.4; 09-APR-2008 21:56:44; Dark ; 41.0; 123; Tot Cen ; 2.75; 10200;occ; 82; 0;31947  
 14; 1485.3; 09-APR-2008 22:01:15; Dark ; 42.5; 106; 9Bet Crv ; 2.65; 5600;occ; 85; 0;31947  
 15; 1597.1; 09-APR-2008 22:03:07; Dark ; 37.5; 100; 4Gam Crv ; 2.58; 13100;occ; 75; 0;31947  
 16; 2155.7; 09-APR-2008 22:12:26; Bright; 35.5; 62; 94Bet Leo ; 2.14; 9700;occ; 71; 0;31947  
 17; 2264.8; 09-APR-2008 22:14:15; Bright; 46.0; 96; 68Del Leo ; 2.56; 9300;occ; 92; 0;31947  
 18; 2666.1; 09-APR-2008 22:20:56; Bright; 52.0; 174; 52Psi UMA ; 3.00; 4400;occ; 104; 0;31947  
 19; 2826.0; 09-APR-2008 22:23:36; Bright; 35.5; 87; 64Gam UMA ; 2.43; 11000;occ; 71; 0;31947  
 20; 2956.1; 09-APR-2008 22:25:46; Bright; 36.0; 36; 50Alp UMA ; 1.80; 6300;occ; 72; 0;31947  
 21; 3441.9; 09-APR-2008 22:33:52; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;31947  
 22; 3852.2; 09-APR-2008 22:40:42; Bright; 37.0; 110; 37Del Cas ; 2.68; 8900;occ; 74; 0;31947  
 23; 3932.6; 09-APR-2008 22:42:03; Bright; 33.0; 74; 11Bet Cas ; 2.27; 6600;occ; 66; 0;31947  
 24; 4462.8; 09-APR-2008 22:50:53; Bright; 40.0; 164; 44Eta Peg ; 2.95; 5400;occ; 80; 0;31947  
 25; 5017.3; 09-APR-2008 23:00:07; Dark ; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;31947  
 26; 5308.5; 09-APR-2008 23:04:58; Dark ; 24.0; 142; 49Del Cap ; 2.85; 8900;occ; 48; 0;31947

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1; -727.3; 09-APR-2008 23:04:58; Dark ; 39.5; 142; 49Del Cap ; 2.85; 8900;occ; 79; 0;31947  
 2; -587.8; 09-APR-2008 23:07:18; Dark ; 43.0; 18; 24Alp PsA ; 1.17; 9700;occ; 86; 0;31947  
 3; -401.9; 09-APR-2008 23:10:24; Dark ; 38.5; 172; Gam Gru ; 3.00; 13100;occ; 77; 0;31947  
 4; -269.2; 09-APR-2008 23:12:37; Dark ; 40.0; 31; Alp Gru ; 1.73; 15200;occ; 80; 0;31947  
 5; -112.5; 09-APR-2008 23:15:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31947  
 6; 12.7; 09-APR-2008 23:17:19; Dark ; 38.5; 45; Alp Pav ; 1.94; 26000;occ; 77; 0;31948  
 7; 461.7; 09-APR-2008 23:24:47; Dark ; 37.0; 43; Alp TrA ; 1.91; 4250;occ; 74; 0;31948  
 8; 582.8; 09-APR-2008 23:26:49; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;31948  
 9; 733.0; 09-APR-2008 23:29:19; Dark ; 40.5; 4; Alp1Cen ; -0.01; 5800;occ; 81; 0;31948  
 10; 839.3; 09-APR-2008 23:31:05; Dark ; 37.5; 12; Alp1Cru ; 0.77; 30000;occ; 75; 0;31948  
 11; 930.8; 09-APR-2008 23:32:37; Dark ; 48.5; 26; Gam Cru ; 1.62; 2900;occ; 97; 0;31948  
 12; 1052.4; 09-APR-2008 23:34:38; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;31948  
 13; 1214.7; 09-APR-2008 23:37:21; Dark ; 40.5; 123; Tot Cen ; 2.75; 10200;occ; 81; 0;31948  
 14; 1485.5; 09-APR-2008 23:41:51; Dark ; 40.5; 106; 9Bet Crv ; 2.65; 5600;occ; 81; 0;31948  
 15; 1597.2; 09-APR-2008 23:43:43; Dark ; 40.0; 100; 4Gam Crv ; 2.58; 13100;occ; 80; 0;31948  
 16; 2155.7; 09-APR-2008 23:53:01; Bright; 36.0; 62; 94Bet Leo ; 2.14; 9700;occ; 72; 0;31948  
 17; 2265.0; 09-APR-2008 23:54:51; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;31948  
 18; 2666.1; 10-APR-2008 00:01:32; Bright; 35.0; 174; 52Psi UMA ; 3.00; 4400;occ; 70; 0;31948  
 19; 2825.7; 10-APR-2008 00:04:12; Bright; 39.0; 87; 64Gam UMA ; 2.43; 11000;occ; 78; 0;31948  
 20; 2956.1; 10-APR-2008 00:06:22; Bright; 37.0; 36; 50Alp UMA ; 1.80; 6300;occ; 74; 0;31948  
 21; 3441.8; 10-APR-2008 00:14:28; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;31948  
 22; 3852.7; 10-APR-2008 00:21:19; Bright; 34.5; 110; 37Del Cas ; 2.68; 8900;occ; 69; 0;31948  
 23; 3932.8; 10-APR-2008 00:22:39; Bright; 33.5; 74; 11Bet Cas ; 2.27; 6600;occ; 67; 0;31948  
 24; 4463.0; 10-APR-2008 00:31:29; Bright; 35.5; 164; 44Eta Peg ; 2.95; 5400;occ; 71; 0;31948  
 25; 5017.7; 10-APR-2008 00:40:44; Dark ; 43.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 87; 0;31948  
 26; 5309.1; 10-APR-2008 00:45:35; Dark ; 31.0; 142; 49Del Cap ; 2.85; 8900;occ; 62; 0;31948

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1; -2186.2; 09-APR-2008 07:35:16; Bright; 36.0; 110; 37Del Cas ; 2.68; 8900;occ; 72; 0;31938  
 2; -2104.7; 09-APR-2008 07:36:38; Bright; 34.5; 74; 11Bet Cas ; 2.27; 6600;occ; 69; 0;31938  
 3; -1574.4; 09-APR-2008 07:45:28; Bright; 34.5; 164; 44Eta Peg ; 2.95; 5400;occ; 69; 0;31938  
 4; -1021.6; 09-APR-2008 07:54:41; Dark ; 41.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 83; 0;31938  
 5; -731.4; 09-APR-2008 07:59:31; Dark ; 41.0; 142; 49Del Cap ; 2.85; 8900;occ; 82; 0;31938  
 6; -589.2; 09-APR-2008 08:01:53; Dark ; 42.0; 18; 24Alp PsA ; 1.17; 9700;occ; 84; 0;31938



7; -405.3; 09-APR-2008 08:04:57; Dark ; 38.0; 172; Gam Gru ; 3.00; 13100;occ; 76; 0;31938  
 8; -271.5; 09-APR-2008 08:07:11; Dark ; 41.5; 31; Alp Gru ; 1.73; 15200;occ; 83; 0;31938  
 9; -116.9; 09-APR-2008 08:09:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31938  
 10; 8.5; 09-APR-2008 08:11:51; Dark ; 39.0; 45; Alp Pav ; 1.94; 26000;occ; 78; 0;31939  
 11; 458.0; 09-APR-2008 08:19:21; Dark ; 43.0; 43; Alp TrA ; 1.91; 4250;occ; 86; 0;31939  
 12; 578.5; 09-APR-2008 08:21:21; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;31939  
 13; 729.3; 09-APR-2008 08:23:52; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 0;31939  
 14; 837.8; 09-APR-2008 08:25:40; Dark ; 37.0; 12; Alp1Cru ; 0.77; 30000;occ; 74; 0;31939  
 15; 929.1; 09-APR-2008 08:27:12; Dark ; 43.5; 26; Gam Cru ; 1.62; 2900;occ; 87; 0;31939  
 16; 1050.2; 09-APR-2008 08:29:13; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;31939  
 17; 1212.0; 09-APR-2008 08:31:55; Dark ; 41.0; 123; Tot Cen ; 2.75; 10200;occ; 82; 0;31939  
 18; 1483.9; 09-APR-2008 08:36:27; Dark ; 42.5; 106; 9Bet Crv ; 2.65; 5600;occ; 85; 0;31939  
 19; 1595.9; 09-APR-2008 08:38:18; Dark ; 39.0; 100; 4Gam Crv ; 2.58; 13100;occ; 78; 0;31939

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1; 2155.6; 09-APR-2008 08:47:38; Bright; 36.5; 62; 94Bet Leo ; 2.14; 9700;occ; 73; 0;31939  
 2; 2264.0; 09-APR-2008 08:49:27; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;31939  
 3; 2665.6; 09-APR-2008 08:56:08; Bright; 34.0; 174; 52Psi UMa ; 3.00; 4400;occ; 68; 0;31939  
 4; 2826.9; 09-APR-2008 08:58:49; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;31939  
 5; 2956.0; 09-APR-2008 09:00:59; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;31939  
 6; 3441.7; 09-APR-2008 09:09:04; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;31939  
 7; 3849.9; 09-APR-2008 09:15:53; Bright; 34.5; 110; 37Del Cas ; 2.68; 8900;occ; 69; 0;31939  
 8; 3931.4; 09-APR-2008 09:17:14; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;31939  
 9; 4461.6; 09-APR-2008 09:26:04; Bright; 34.5; 164; 44Eta Peg ; 2.95; 5400;occ; 69; 0;31939  
 10; 5014.5; 09-APR-2008 09:35:17; Dark ; 41.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 83; 0;31939  
 11; 5304.9; 09-APR-2008 09:40:07; Dark ; 41.0; 142; 49Del Cap ; 2.85; 8900;occ; 82; 0;31939  
 12; 5446.8; 09-APR-2008 09:42:29; Dark ; 40.0; 18; 24Alp PsA ; 1.17; 9700;occ; 80; 0;31939  
 13; 5631.0; 09-APR-2008 09:45:34; Dark ; 39.5; 172; Gam Gru ; 3.00; 13100;occ; 79; 0;31939  
 14; 5764.7; 09-APR-2008 09:47:47; Dark ; 38.5; 31; Alp Gru ; 1.73; 15200;occ; 77; 0;31939  
 15; 5919.4; 09-APR-2008 09:50:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31939  
 16; 6044.7; 09-APR-2008 09:52:27; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;31939  
 17; 6494.4; 09-APR-2008 09:59:57; Dark ; 39.0; 43; Alp TrA ; 1.91; 4250;occ; 78; 0;31939  
 18; 6614.9; 09-APR-2008 10:01:57; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;31939  
 19; 6765.5; 09-APR-2008 10:04:28; Dark ; 53.5; 4; Alp1Cen ;-0.01; 5800;occ; 107; 0;31939  
 20; 6873.9; 09-APR-2008 10:06:16; Dark ; 39.0; 12; Alp1Cru ; 0.77; 30000;occ; 78; 0;31939  
 21; 6965.1; 09-APR-2008 10:07:48; Dark ; 44.0; 26; Gam Cru ; 1.62; 2900;occ; 88; 0;31939  
 22; 7086.3; 09-APR-2008 10:09:49; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;31939  
 23; 7248.1; 09-APR-2008 10:12:31; Dark ; 38.0; 123; Tot Cen ; 2.75; 10200;occ; 76; 0;31939  
 24; 7520.0; 09-APR-2008 10:17:03; Dark ; 42.5; 106; 9Bet Crv ; 2.65; 5600;occ; 85; 0;31939  
 25; 7631.9; 09-APR-2008 10:18:54; Dark ; 39.5; 100; 4Gam Crv ; 2.58; 13100;occ; 79; 0;31939

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1; 2155.4; 09-APR-2008 10:28:14; Bright; 36.5; 62; 94Bet Leo ; 2.14; 9700;occ; 73; 0;31940  
 2; 2264.0; 09-APR-2008 10:30:02; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;31940  
 3; 2665.6; 09-APR-2008 10:36:44; Bright; 34.0; 174; 52Psi UMa ; 3.00; 4400;occ; 68; 0;31940  
 4; 2826.9; 09-APR-2008 10:39:25; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;31940  
 5; 2955.9; 09-APR-2008 10:41:34; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;31940  
 6; 3441.7; 09-APR-2008 10:49:40; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;31940  
 7; 3850.2; 09-APR-2008 10:56:29; Bright; 34.0; 110; 37Del Cas ; 2.68; 8900;occ; 68; 0;31940  
 8; 3931.5; 09-APR-2008 10:57:50; Bright; 33.0; 74; 11Bet Cas ; 2.27; 6600;occ; 66; 0;31940  
 9; 4461.7; 09-APR-2008 11:06:40; Bright; 34.5; 164; 44Eta Peg ; 2.95; 5400;occ; 69; 0;31940  
 10; 5014.8; 09-APR-2008 11:15:53; Dark ; 43.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 86; 0;31940  
 11; 5305.4; 09-APR-2008 11:20:44; Dark ; 39.5; 142; 49Del Cap ; 2.85; 8900;occ; 79; 0;31940  
 12; 5447.0; 09-APR-2008 11:23:05; Dark ; 41.5; 18; 24Alp PsA ; 1.17; 9700;occ; 83; 0;31940  
 13; 5631.4; 09-APR-2008 11:26:10; Dark ; 37.0; 172; Gam Gru ; 3.00; 13100;occ; 74; 0;31940  
 14; 5764.8; 09-APR-2008 11:28:23; Dark ; 41.5; 31; Alp Gru ; 1.73; 15200;occ; 83; 0;31940  
 15; 5919.9; 09-APR-2008 11:30:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;31940  
 16; 6045.3; 09-APR-2008 11:33:04; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;31940  
 17; 6494.7; 09-APR-2008 11:40:33; Dark ; 41.5; 43; Alp TrA ; 1.91; 4250;occ; 83; 0;31940  
 18; 6615.4; 09-APR-2008 11:42:34; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;31940  
 19; 6766.0; 09-APR-2008 11:45:04; Dark ; 42.0; 4; Alp1Cen ;-0.01; 5800;occ; 84; 0;31940  
 20; 6874.0; 09-APR-2008 11:46:52; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;31940  
 21; 6965.3; 09-APR-2008 11:48:24; Dark ; 46.0; 26; Gam Cru ; 1.62; 2900;occ; 92; 0;31940  
 22; 7086.5; 09-APR-2008 11:50:25; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;31940  
 23; 7248.3; 09-APR-2008 11:53:07; Dark ; 40.5; 123; Tot Cen ; 2.75; 10200;occ; 81; 0;31940  
 24; 7520.1; 09-APR-2008 11:57:39; Dark ; 40.5; 106; 9Bet Crv ; 2.65; 5600;occ; 81; 0;31940  
 25; 7632.1; 09-APR-2008 11:59:31; Dark ; 38.5; 100; 4Gam Crv ; 2.58; 13100;occ; 77; 0;31940

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1; 1605.3; 09-APR-2008 11:59:40; Dark ; 39.0; 100; 4Gam Crv ; 2.58; 13100;occ; 78; 18;31941  
 2; 2155.5; 09-APR-2008 12:08:50; Bright; 36.0; 62; 94Bet Leo ; 2.14; 9700;occ; 72; 0;31941

|   |         |             |           |         |       |       |           |           |       |            |            |      |       |       |
|---|---------|-------------|-----------|---------|-------|-------|-----------|-----------|-------|------------|------------|------|-------|-------|
| 3;  | 2264.0; | 09-APR-2008 | 12:10:38; | Bright; | 35.5; | 96;   | 68Del Leo | ;         | 2.56; | 9300;occ;  | 71;        | 0;   | 31941 |       |
| 4;  | 2665.7; | 09-APR-2008 | 12:17:20; | Bright; | 35.5; | 174;  | 52Psi UMa | ;         | 3.00; | 4400;occ;  | 71;        | 0;   | 31941 |       |
| 5;  | 2826.6; | 09-APR-2008 | 12:20:01; | Bright; | 35.5; | 87;   | 64Gam UMa | ;         | 2.43; | 11000;occ; | 71;        | 0;   | 31941 |       |
| 6;  | 2955.9; | 09-APR-2008 | 12:22:10; | Bright; | 38.5; | 36;   | 50Alp UMa | ;         | 1.80; | 6300;occ;  | 77;        | 0;   | 31941 |       |
| 7;  | 3441.8; | 09-APR-2008 | 12:30:16; | Bright; | 35.0; | 49;   | 1Alp UMi  | ;         | 1.99; | 6300;occ;  | 70;        | 0;   | 31941 |       |
| 8;  | 3850.6; | 09-APR-2008 | 12:37:05; | Bright; | 33.5; | 110;  | 37Del Cas | ;         | 2.68; | 8900;occ;  | 67;        | 0;   | 31941 |       |
| 9;  | 3931.7; | 09-APR-2008 | 12:38:26; | Bright; | 35.0; | 74;   | 11Bet Cas | ;         | 2.27; | 6600;occ;  | 70;        | 0;   | 31941 |       |
| 10;   | 4461.9; | 09-APR-2008 | 12:47:16; | Bright; | 34.5; | 164;  | 44Eta Peg | ;         | 2.95; | 5400;occ;  | 69;        | 0;   | 31941 |       |
| 11;   | 5015.3; | 09-APR-2008 | 12:56:30; | Dark    | ;     | 43.0; | 162;      | 34Alp Aqr | ;     | 2.94;      | 5350;occ;  | 86;  | 0;    | 31941 |
| 12;   | 5305.9; | 09-APR-2008 | 13:01:20; | Dark    | ;     | 41.0; | 142;      | 49Del Cap | ;     | 2.85;      | 8900;occ;  | 82;  | 0;    | 31941 |
| 13;   | 5447.1; | 09-APR-2008 | 13:03:41; | Dark    | ;     | 43.0; | 18;       | 24Alp PsA | ;     | 1.17;      | 9700;occ;  | 86;  | 0;    | 31941 |
| 14;   | 5631.7; | 09-APR-2008 | 13:06:46; | Dark    | ;     | 38.0; | 172;      | Gam Gru   | ;     | 3.00;      | 13100;occ; | 76;  | 0;    | 31941 |
| 15;   | 5765.1; | 09-APR-2008 | 13:08:59; | Dark    | ;     | 38.0; | 31;       | Alp Gru   | ;     | 1.73;      | 15200;occ; | 76;  | 0;    | 31941 |
| 16;   | 5920.4; | 09-APR-2008 | 13:11:35; | Dark    | ;     | 59.5; | 0;        |           | ;     | 0.00;      | 0;occ;     | 119; | 0;    | 31941 |
| 17;   | 6045.7; | 09-APR-2008 | 13:13:40; | Dark    | ;     | 41.5; | 45;       | Alp Pav   | ;     | 1.94;      | 26000;occ; | 83;  | 0;    | 31941 |
| 18;   | 6495.2; | 09-APR-2008 | 13:21:09; | Dark    | ;     | 39.5; | 43;       | Alp TrA   | ;     | 1.91;      | 4250;occ;  | 79;  | 0;    | 31941 |
| 19;   | 6615.9; | 09-APR-2008 | 13:23:10; | Dark    | ;     | 41.0; | 134;      | Bet TrA   | ;     | 2.81;      | 6600;occ;  | 82;  | 0;    | 31941 |
| 20;   | 6766.5; | 09-APR-2008 | 13:25:41; | Dark    | ;     | 48.0; | 4;        | Alp1Cen   | ;     | -0.01;     | 5800;occ;  | 96;  | 0;    | 31941 |
| 21;   | 6874.2; | 09-APR-2008 | 13:27:28; | Dark    | ;     | 38.0; | 12;       | Alp1Cru   | ;     | 0.77;      | 30000;occ; | 76;  | 0;    | 31941 |
| 22;   | 6965.5; | 09-APR-2008 | 13:29:00; | Dark    | ;     | 48.5; | 26;       | Gam Cru   | ;     | 1.62;      | 2900;occ;  | 97;  | 0;    | 31941 |
| 23;   | 7086.8; | 09-APR-2008 | 13:31:01; | Dark    | ;     | 38.5; | 64;       | Gam Cen   | ;     | 2.20;      | 10600;occ; | 77;  | 0;    | 31941 |
| 24;   | 7248.7; | 09-APR-2008 | 13:33:43; | Dark    | ;     | 42.0; | 123;      | Iot Cen   | ;     | 2.75;      | 10200;occ; | 84;  | 0;    | 31941 |
| 25;   | 7520.3; | 09-APR-2008 | 13:38:15; | Dark    | ;     | 44.5; | 106;      | 9Bet Crv  | ;     | 2.65;      | 5600;occ;  | 89;  | 0;    | 31941 |
| 26;   | 7632.3; | 09-APR-2008 | 13:40:07; | Dark    | ;     | 16.5; | 100;      | 4Gam Crv  | ;     | 2.58;      | 13100;occ; | 33;  | 0;    | 31941 |
| /nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20080409_134007_000056932067_00325_31942_0657.N1 |         |             |           |         |       |       |           |           |       |            |            |      |       |       |
| 1;  | 1596.5; | 09-APR-2008 | 13:40:07; | Dark    | ;     | 38.5; | 100;      | 4Gam Crv  | ;     | 2.58;      | 13100;occ; | 77;  | 0;    | 31942 |
| 2;  | 2155.6; | 09-APR-2008 | 13:49:26; | Bright; | 35.5; | 62;   | 94Bet Leo | ;         | 2.14; | 9700;occ;  | 71;        | 0;   | 31942 |       |
| 3;  | 2264.3; | 09-APR-2008 | 13:51:14; | Bright; | 34.5; | 96;   | 68Del Leo | ;         | 2.56; | 9300;occ;  | 69;        | 0;   | 31942 |       |
| 4;  | 2665.8; | 09-APR-2008 | 13:57:56; | Bright; | 36.0; | 174;  | 52Psi UMa | ;         | 3.00; | 4400;occ;  | 72;        | 0;   | 31942 |       |
| 5;  | 2826.6; | 09-APR-2008 | 14:00:37; | Bright; | 37.0; | 87;   | 64Gam UMa | ;         | 2.43; | 11000;occ; | 74;        | 0;   | 31942 |       |
| 6;  | 2956.0; | 09-APR-2008 | 14:02:46; | Bright; | 36.5; | 36;   | 50Alp UMa | ;         | 1.80; | 6300;occ;  | 73;        | 0;   | 31942 |       |
| 7;  | 3441.9; | 09-APR-2008 | 14:10:52; | Bright; | 33.5; | 49;   | 1Alp UMi  | ;         | 1.99; | 6300;occ;  | 67;        | 0;   | 31942 |       |
| 8;  | 3850.9; | 09-APR-2008 | 14:17:41; | Bright; | 34.0; | 110;  | 37Del Cas | ;         | 2.68; | 8900;occ;  | 68;        | 0;   | 31942 |       |
| 9;  | 3931.9; | 09-APR-2008 | 14:19:02; | Bright; | 35.0; | 74;   | 11Bet Cas | ;         | 2.27; | 6600;occ;  | 70;        | 0;   | 31942 |       |
| 10;   | 4462.1; | 09-APR-2008 | 14:27:52; | Bright; | 35.0; | 164;  | 44Eta Peg | ;         | 2.95; | 5400;occ;  | 70;        | 0;   | 31942 |       |
| 11;   | 5015.7; | 09-APR-2008 | 14:37:06; | Dark    | ;     | 44.0; | 162;      | 34Alp Aqr | ;     | 2.94;      | 5350;occ;  | 88;  | 0;    | 31942 |
| 12;   | 5306.4; | 09-APR-2008 | 14:41:57; | Dark    | ;     | 43.5; | 142;      | 49Del Cap | ;     | 2.85;      | 8900;occ;  | 87;  | 0;    | 31942 |
| 13;   | 5447.3; | 09-APR-2008 | 14:44:18; | Dark    | ;     | 38.5; | 18;       | 24Alp PsA | ;     | 1.17;      | 9700;occ;  | 77;  | 0;    | 31942 |
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| 15;   | 5765.5; | 09-APR-2008 | 14:49:36; | Dark    | ;     | 38.0; | 31;       | Alp Gru   | ;     | 1.73;      | 15200;occ; | 76;  | 0;    | 31942 |
| 16;   | 5920.9; | 09-APR-2008 | 14:52:11; | Dark    | ;     | 59.5; | 0;        |           | ;     | 0.00;      | 0;occ;     | 119; | 0;    | 31942 |
| 17;   | 6046.2; | 09-APR-2008 | 14:54:16; | Dark    | ;     | 40.0; | 45;       | Alp Pav   | ;     | 1.94;      | 26000;occ; | 80;  | 0;    | 31942 |
| 18;   | 6495.7; | 09-APR-2008 | 15:01:46; | Dark    | ;     | 39.5; | 43;       | Alp TrA   | ;     | 1.91;      | 4250;occ;  | 79;  | 0;    | 31942 |
| 19;   | 6616.4; | 09-APR-2008 | 15:03:47; | Dark    | ;     | 39.5; | 134;      | Bet TrA   | ;     | 2.81;      | 6600;occ;  | 79;  | 0;    | 31942 |
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| 21;   | 6874.4; | 09-APR-2008 | 15:08:05; | Dark    | ;     | 38.0; | 12;       | Alp1Cru   | ;     | 0.77;      | 30000;occ; | 76;  | 0;    | 31942 |
| 22;   | 6965.8; | 09-APR-2008 | 15:09:36; | Dark    | ;     | 37.5; | 26;       | Gam Cru   | ;     | 1.62;      | 2900;occ;  | 75;  | 0;    | 31942 |
| 23;   | 7087.1; | 09-APR-2008 | 15:11:37; | Dark    | ;     | 41.0; | 64;       | Gam Cen   | ;     | 2.20;      | 10600;occ; | 82;  | 0;    | 31942 |
| 24;   | 7249.2; | 09-APR-2008 | 15:14:19; | Dark    | ;     | 41.0; | 123;      | Iot Cen   | ;     | 2.75;      | 10200;occ; | 82;  | 0;    | 31942 |
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| 11;   | 4462.2; | 09-APR-2008 | 16:08:28; | Bright; | 52.0; | 164;  | 44Eta Peg | ;         | 2.95; | 5400;occ;  | 104;       | 0;   | 31943 |       |
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| 13;   | 5306.9; | 09-APR-2008 | 16:22:33; | Dark    | ;     | 43.0; | 142;      | 49Del Cap | ;     | 2.85;      | 8900;occ;  | 86;  | 0;    | 31943 |
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| 16;   | 5765.8; | 09-APR-2008 | 16:30:12; | Dark    | ;     | 40.0; | 31;       | Alp Gru   | ;     | 1.73;      | 15200;occ; | 80;  | 0;    | 31943 |
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 3; 1875.3; 14-APR-2008 14:27:52; Bright; 37.0; 121; 29Gam Vir ; 2.74; 7200;occ; 74; 0;32014  
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 5; 2275.2; 14-APR-2008 14:34:32; Bright; 34.0; 96; 68Del Leo ; 2.56; 9300;occ; 68; 0;32014  
 6; 2672.4; 14-APR-2008 14:41:09; Bright; 34.0; 174; 52Psi UMa ; 3.00; 4400;occ; 68; 0;32014  
 7; 2820.9; 14-APR-2008 14:43:37; Bright; 53.0; 87; 64Gam UMa ; 2.43; 11000;occ; 106; 0;32014  
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 9; 3442.8; 14-APR-2008 14:53:59; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;32014  
 10; 3887.9; 14-APR-2008 15:01:24; Bright; 34.0; 76; 27Gam Cas ; 2.30; 30000;occ; 68; 0;32014  
 11; 3966.3; 14-APR-2008 15:02:43; Bright; 34.5; 68; 18Alp Cas ; 2.22; 4500;occ; 69; 0;32014  
 12; 4473.4; 14-APR-2008 15:11:10; Bright; 44.5; 164; 44Eta Peg ; 2.95; 5400;occ; 89; 0;32014  
 13; 5043.6; 14-APR-2008 15:20:40; Dark ; 46.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 92; 0;32014  
 14; 5343.2; 14-APR-2008 15:25:39; Dark ; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;32014  
 15; 5461.1; 14-APR-2008 15:27:37; Dark ; 44.5; 18; 24Alp PsA ; 1.17; 9700;occ; 89; 0;32014  
 16; 5661.8; 14-APR-2008 15:30:58; Dark ; 39.0; 172; Gam Gru ; 3.00; 13100;occ; 78; 0;32014  
 17; 5787.0; 14-APR-2008 15:33:03; Dark ; 40.5; 31; Alp Gru ; 1.73; 15200;occ; 81; 0;32014  
 18; 5958.1; 14-APR-2008 15:35:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32014  
 19; 6082.2; 14-APR-2008 15:37:59; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32014  
 20; 6525.2; 14-APR-2008 15:45:21; Dark ; 40.0; 43; Alp TrA ; 1.91; 4250;occ; 80; 0;32014  
 21; 6650.3; 14-APR-2008 15:47:27; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;32014  
 22; 6795.0; 14-APR-2008 15:49:51; Dark ; 44.5; 4; Alp1Cen ;-0.01; 5800;occ; 89; 0;32014  
 23; 6927.5; 14-APR-2008 15:52:04; Dark ; 36.0; 20; Bet Cru ; 1.25; 30000;occ; 72; 0;32014  
 24; 7103.9; 14-APR-2008 15:55:00; Dark ; 37.0; 64; Gam Cen ; 2.20; 10600;occ; 74; 0;32014  
 25; 7269.9; 14-APR-2008 15:57:46; Dark ; 39.0; 123; Iot Cen ; 2.75; 10200;occ; 78; 0;32014

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 3; 1607.3; 14-APR-2008 16:04:00; Dark ; 45.5; 100; 4Gam Crv ; 2.58; 13100;occ; 91; 0;32015  
 4; 1875.3; 14-APR-2008 16:08:28; Bright; 37.0; 121; 29Gam Vir ; 2.74; 7200;occ; 74; 0;32015  
 5; 2159.3; 14-APR-2008 16:13:12; Bright; 35.5; 62; 94Bet Leo ; 2.14; 9700;occ; 71; 0;32015  
 6; 2275.4; 14-APR-2008 16:15:08; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;32015  
 7; 2672.5; 14-APR-2008 16:21:45; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;32015  
 8; 2820.7; 14-APR-2008 16:24:13; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;32015  
 9; 2959.9; 14-APR-2008 16:26:32; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;32015  
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 11; 3887.9; 14-APR-2008 16:42:00; Bright; 33.5; 76; 27Gam Cas ; 2.30; 30000;occ; 67; 0;32015  
 12; 3966.4; 14-APR-2008 16:43:19; Bright; 32.5; 68; 18Alp Cas ; 2.22; 4500;occ; 65; 0;32015  
 13; 4473.4; 14-APR-2008 16:51:46; Bright; 36.0; 164; 44Eta Peg ; 2.95; 5400;occ; 72; 0;32015  
 14; 5043.9; 14-APR-2008 17:01:16; Dark ; 44.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 89; 0;32015  
 15; 5343.6; 14-APR-2008 17:06:16; Dark ; 41.5; 142; 49Del Cap ; 2.85; 8900;occ; 83; 0;32015  
 16; 5461.3; 14-APR-2008 17:08:14; Dark ; 43.5; 18; 24Alp PsA ; 1.17; 9700;occ; 87; 0;32015  
 17; 5662.1; 14-APR-2008 17:11:34; Dark ; 38.5; 172; Gam Gru ; 3.00; 13100;occ; 77; 0;32015  
 18; 5787.3; 14-APR-2008 17:13:40; Dark ; 39.0; 31; Alp Gru ; 1.73; 15200;occ; 78; 0;32015  
 19; 5958.7; 14-APR-2008 17:16:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32015  
 20; 6082.8; 14-APR-2008 17:18:35; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32015  
 21; 6525.6; 14-APR-2008 17:25:58; Dark ; 37.0; 43; Alp TrA ; 1.91; 4250;occ; 74; 0;32015  
 22; 6650.7; 14-APR-2008 17:28:03; Dark ; 40.0; 134; Bet TrA ; 2.81; 6600;occ; 80; 0;32015  
 23; 6795.5; 14-APR-2008 17:30:28; Dark ; 46.0; 4; Alp1Cen ;-0.01; 5800;occ; 92; 0;32015  
 24; 6927.8; 14-APR-2008 17:32:40; Dark ; 36.5; 20; Bet Cru ; 1.25; 30000;occ; 73; 0;32015  
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 4; 1607.4; 14-APR-2008 17:44:36; Dark ; 39.5; 100; 4Gam Crv ; 2.58; 13100;occ; 79; 0;32016  
 5; 1875.3; 14-APR-2008 17:49:04; Bright; 36.0; 121; 29Gam Vir ; 2.74; 7200;occ; 72; 0;32016

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7; 2275.6; 14-APR-2008 17:55:44; Bright; 34.0; 96; 68Del Leo ; 2.56; 9300;occ; 68; 0;32016
8; 2672.7; 14-APR-2008 18:02:21; Bright; 34.5; 174; 52Psi UMa ; 3.00; 4400;occ; 69; 0;32016
9; 2820.6; 14-APR-2008 18:04:49; Bright; 35.0; 87; 64Gam UMa ; 2.43; 11000;occ; 70; 0;32016
10; 2959.9; 14-APR-2008 18:07:08; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;32016
11; 3442.6; 14-APR-2008 18:15:11; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;32016
12; 3888.2; 14-APR-2008 18:22:36; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;32016
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15; 5044.4; 14-APR-2008 18:41:53; Dark ; 44.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 89; 0;32016
16; 5344.2; 14-APR-2008 18:46:52; Dark ; 44.0; 142; 49Del Cap ; 2.85; 8900;occ; 88; 0;32016
17; 5461.4; 14-APR-2008 18:48:50; Dark ; 40.5; 18; 24Alp PsA ; 1.17; 9700;occ; 81; 0;32016
18; 5662.7; 14-APR-2008 18:52:11; Dark ; 38.0; 172; Gam Gru ; 3.00; 13100;occ; 76; 0;32016
19; 5787.5; 14-APR-2008 18:54:16; Dark ; 40.0; 31; Alp Gru ; 1.73; 15200;occ; 80; 0;32016
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3; 1497.6; 14-APR-2008 19:23:22; Dark ; 41.5; 106; 9Bet Crv ; 2.65; 5600;occ; 83; 0;32017
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6; 2159.5; 14-APR-2008 19:34:24; Bright; 36.0; 62; 94Bet Leo ; 2.14; 9700;occ; 72; 0;32017
7; 2275.7; 14-APR-2008 19:36:20; Bright; 34.5; 96; 68Del Leo ; 2.56; 9300;occ; 69; 0;32017
8; 2672.7; 14-APR-2008 19:42:57; Bright; 33.5; 174; 52Psi UMa ; 3.00; 4400;occ; 67; 0;32017
9; 2820.7; 14-APR-2008 19:45:25; Bright; 35.0; 87; 64Gam UMa ; 2.43; 11000;occ; 70; 0;32017
10; 2960.0; 14-APR-2008 19:47:44; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;32017
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14; 4473.7; 14-APR-2008 20:12:58; Bright; 34.5; 164; 44Eta Peg ; 2.95; 5400;occ; 69; 0;32017
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18; 5663.1; 14-APR-2008 20:32:47; Dark ; 37.5; 172; Gam Gru ; 3.00; 13100;occ; 75; 0;32017
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5; 49.3; 15-APR-2008 01:41:37; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;32021
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7; 616.8; 15-APR-2008 01:51:05; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;32021
8; 761.2; 15-APR-2008 01:53:29; Dark ; 54.0; 4; Alp1Cen ; -0.01; 5800;occ; 108; 0;32021
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 15; 1876.0; 16-APR-2008 01:40:27; Bright; 37.0; 121; 29Gam Vir ; 2.74; 7200;occ; 74; 0;32035  
 16; 2161.1; 16-APR-2008 01:45:12; Bright; 36.0; 62; 94Bet Leo ; 2.14; 9700;occ; 72; 0;32035  
 17; 2279.3; 16-APR-2008 01:47:10; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;32035  
 18; 2675.3; 16-APR-2008 01:53:46; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;32035  
 19; 2819.9; 16-APR-2008 01:56:10; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;32035  
 20; 2961.6; 16-APR-2008 01:58:32; Bright; 34.5; 36; 50Alp UMa ; 1.80; 6300;occ; 69; 0;32035  
 21; 3442.9; 16-APR-2008 02:06:33; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;32035  
 22; 3875.9; 16-APR-2008 02:13:46; Bright; 26.5; 110; 37Del Cas ; 2.68; 8900;occ; 53; 0;32035

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 5; -680.7; 16-APR-2008 02:38:26; Dark ; 45.5; 142; 49Del Cap ; 2.85; 8900;occ; 91; 0;32035  
 6; -569.9; 16-APR-2008 02:40:17; Dark ; 43.0; 18; 24Alp PsA ; 1.17; 9700;occ; 86; 0;32035  
 7; -467.4; 16-APR-2008 02:41:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32035  
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 9; -241.9; 16-APR-2008 02:45:45; Dark ; 39.0; 31; Alp Gru ; 1.73; 15200;occ; 78; 0;32035  
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 11; 57.3; 16-APR-2008 02:50:44; Dark ; 39.0; 45; Alp Pav ; 1.94; 26000;occ; 78; 0;32036  
 12; 497.6; 16-APR-2008 02:58:04; Dark ; 40.5; 43; Alp TrA ; 1.91; 4250;occ; 81; 0;32036  
 13; 623.9; 16-APR-2008 03:00:10; Dark ; 40.0; 134; Bet TrA ; 2.81; 6600;occ; 80; 0;32036  
 14; 766.8; 16-APR-2008 03:02:33; Dark ; 47.5; 4; Alp1Cen ; -0.01; 5800;occ; 95; 0;32036  
 15; 895.6; 16-APR-2008 03:04:42; Dark ; 42.0; 20; Bet Cru ; 1.25; 30000;occ; 84; 0;32036  
 16; 1072.5; 16-APR-2008 03:07:39; Dark ; 39.0; 64; Gam Cen ; 2.20; 10600;occ; 78; 0;32036  
 17; 1194.9; 16-APR-2008 03:09:41; Dark ; 45.5; 54; 5The Cen ; 2.06; 4500;occ; 91; 0;32036  
 18; 1501.0; 16-APR-2008 03:14:48; Dark ; 41.5; 106; 9Bet Crv ; 2.65; 5600;occ; 83; 0;32036  
 19; 1620.1; 16-APR-2008 03:16:47; Bright; 37.5; 163; 7Del Crv ; 2.94; 11000;occ; 75; 0;32036  
 20; 1876.1; 16-APR-2008 03:21:03; Bright; 37.0; 121; 29Gam Vir ; 2.74; 7200;occ; 74; 0;32036  
 21; 2161.3; 16-APR-2008 03:25:48; Bright; 35.5; 62; 94Bet Leo ; 2.14; 9700;occ; 71; 0;32036  
 22; 2279.5; 16-APR-2008 03:27:46; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;32036  
 23; 2675.5; 16-APR-2008 03:34:22; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;32036  
 24; 2819.9; 16-APR-2008 03:36:46; Bright; 33.5; 87; 64Gam UMa ; 2.43; 11000;occ; 67; 0;32036  
 25; 2961.7; 16-APR-2008 03:39:08; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;32036  
 26; 3442.9; 16-APR-2008 03:47:09; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;32036

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 3; -1559.2; 16-APR-2008 04:04:23; Bright; 34.5; 164; 44Eta Peg ; 2.95; 5400;occ; 69; 0;32036  
 4; -982.9; 16-APR-2008 04:14:00; Dark ; 46.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 92; 0;32036  
 5; -680.3; 16-APR-2008 04:19:02; Dark ; 45.0; 142; 49Del Cap ; 2.85; 8900;occ; 90; 0;32036  
 6; -569.8; 16-APR-2008 04:20:53; Dark ; 43.5; 18; 24Alp PsA ; 1.17; 9700;occ; 87; 0;32036  
 7; -467.1; 16-APR-2008 04:22:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32036  
 8; -364.1; 16-APR-2008 04:24:18; Dark ; 39.0; 172; Gam Gru ; 3.00; 13100;occ; 78; 0;32036



9; -241.6; 16-APR-2008 04:26:21; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;32036  
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 11; 57.8; 16-APR-2008 04:31:20; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;32037  
 12; 498.1; 16-APR-2008 04:38:41; Dark ; 39.0; 43; Alp TrA ; 1.91; 4250;occ; 78; 0;32037  
 13; 624.2; 16-APR-2008 04:40:47; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;32037  
 14; 767.2; 16-APR-2008 04:43:10; Dark ; 45.5; 4; Alp1Cen ; -0.01; 5800;occ; 91; 0;32037  
 15; 895.8; 16-APR-2008 04:45:18; Dark ; 40.5; 20; Bet Cru ; 1.25; 30000;occ; 81; 0;32037  
 16; 1072.7; 16-APR-2008 04:48:15; Dark ; 37.5; 64; Gam Cen ; 2.20; 10600;occ; 75; 0;32037  
 17; 1195.1; 16-APR-2008 04:50:18; Dark ; 47.0; 54; 5The Cen ; 2.06; 4500;occ; 94; 0;32037  
 18; 1501.3; 16-APR-2008 04:55:24; Dark ; 41.0; 106; 9Bet Crv ; 2.65; 5600;occ; 82; 0;32037  
 19; 1620.3; 16-APR-2008 04:57:23; Bright; 37.0; 163; 7Del Crv ; 2.94; 11000;occ; 74; 0;32037  
 20; 1876.1; 16-APR-2008 05:01:39; Bright; 37.5; 121; 29Gam Vir ; 2.74; 7200;occ; 75; 0;32037  
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 22; 2279.8; 16-APR-2008 05:08:22; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;32037  
 23; 2675.5; 16-APR-2008 05:14:58; Bright; 34.5; 174; 52Psi UMa ; 3.00; 4400;occ; 69; 0;32037  
 24; 2819.8; 16-APR-2008 05:17:22; Bright; 34.5; 87; 64Gam UMa ; 2.43; 11000;occ; 69; 0;32037  
 25; 2961.8; 16-APR-2008 05:19:44; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;32037  
 26; 3443.0; 16-APR-2008 05:27:45; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;32037

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 11; 58.4; 16-APR-2008 06:11:57; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32038  
 12; 498.4; 16-APR-2008 06:19:17; Dark ; 39.0; 43; Alp TrA ; 1.91; 4250;occ; 78; 0;32038  
 13; 624.6; 16-APR-2008 06:21:23; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;32038  
 14; 767.6; 16-APR-2008 06:23:46; Dark ; 54.0; 4; Alp1Cen ; -0.01; 5800;occ; 108; 0;32038  
 15; 895.9; 16-APR-2008 06:25:54; Dark ; 40.0; 20; Bet Cru ; 1.25; 30000;occ; 80; 0;32038  
 16; 1072.9; 16-APR-2008 06:28:51; Dark ; 39.0; 64; Gam Cen ; 2.20; 10600;occ; 78; 0;32038  
 17; 1195.5; 16-APR-2008 06:30:54; Dark ; 46.5; 54; 5The Cen ; 2.06; 4500;occ; 93; 0;32038  
 18; 1501.5; 16-APR-2008 06:36:00; Dark ; 42.5; 106; 9Bet Crv ; 2.65; 5600;occ; 85; 0;32038  
 19; 1620.5; 16-APR-2008 06:37:59; Bright; 36.5; 163; 7Del Crv ; 2.94; 11000;occ; 73; 0;32038  
 20; 1876.0; 16-APR-2008 06:42:14; Bright; 36.5; 121; 29Gam Vir ; 2.74; 7200;occ; 73; 0;32038  
 21; 2161.5; 16-APR-2008 06:47:00; Bright; 34.5; 62; 94Bet Leo ; 2.14; 9700;occ; 69; 0;32038  
 22; 2279.9; 16-APR-2008 06:48:58; Bright; 35.5; 96; 68Del Leo ; 2.56; 9300;occ; 71; 0;32038  
 23; 2675.6; 16-APR-2008 06:55:34; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;32038  
 24; 2819.8; 16-APR-2008 06:57:58; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;32038  
 25; 2961.9; 16-APR-2008 07:00:20; Bright; 35.5; 36; 50Alp UMa ; 1.80; 6300;occ; 71; 0;32038  
 26; 3442.9; 16-APR-2008 07:08:21; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;32038

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1; -2159.3; 16-APR-2008 07:15:35; Bright; 47.0; 110; 37Del Cas ; 2.68; 8900;occ; 94; 0;32038  
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 9; -240.9; 16-APR-2008 07:47:33; Dark ; 41.0; 31; Alp Gru ; 1.73; 15200;occ; 82; 0;32038  
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 11; 498.9; 16-APR-2008 07:59:53; Dark ; 42.0; 43; Alp TrA ; 1.91; 4250;occ; 84; 0;32039  
 12; 625.1; 16-APR-2008 08:01:59; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;32039  
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 15; 1073.0; 16-APR-2008 08:09:27; Dark ; 38.0; 64; Gam Cen ; 2.20; 10600;occ; 76; 0;32039  
 16; 1195.7; 16-APR-2008 08:11:30; Dark ; 45.5; 54; 5The Cen ; 2.06; 4500;occ; 91; 0;32039  
 17; 1501.6; 16-APR-2008 08:16:36; Dark ; 41.5; 106; 9Bet Crv ; 2.65; 5600;occ; 83; 0;32039  
 18; 1620.7; 16-APR-2008 08:18:35; Bright; 35.5; 163; 7Del Crv ; 2.94; 11000;occ; 71; 0;32039

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 3; 2280.0; 16-APR-2008 08:29:34; Bright; 35.0; 96; 68Del Leo ; 2.56; 9300;occ; 70; 0;32039

4; 2675.8; 16-APR-2008 08:36:10; Bright; 34.5; 174; 52Psi UMa ; 3.00; 4400;occ; 69; 0;32039  
5; 2819.7; 16-APR-2008 08:38:34; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;32039  
6; 2962.0; 16-APR-2008 08:40:56; Bright; 35.5; 36; 50Alp UMa ; 1.80; 6300;occ; 71; 0;32039  
7; 3442.9; 16-APR-2008 08:48:57; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32039  
8; 3876.8; 16-APR-2008 08:56:11; Bright; 39.0; 110; 37Del Cas ; 2.68; 8900;occ; 78; 0;32039  
9; 3946.4; 16-APR-2008 08:57:21; Bright; 34.5; 74; 11Bet Cas ; 2.27; 6600;occ; 69; 0;32039  
10; 4477.1; 16-APR-2008 09:06:11; Bright; 37.0; 164; 44Eta Peg ; 2.95; 5400;occ; 74; 0;32039  
11; 5054.4; 16-APR-2008 09:15:49; Dark ; 47.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 94; 0;32039  
12; 5357.6; 16-APR-2008 09:20:52; Dark ; 43.5; 142; 49Del Cap ; 2.85; 8900;occ; 87; 0;32039  
13; 5466.8; 16-APR-2008 09:22:41; Dark ; 42.0; 18; 24Alp PsA ; 1.17; 9700;occ; 84; 0;32039  
14; 5570.0; 16-APR-2008 09:24:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32039  
15; 5673.2; 16-APR-2008 09:26:08; Dark ; 38.0; 172; Gam Gru ; 3.00; 13100;occ; 76; 0;32039  
16; 5795.3; 16-APR-2008 09:28:10; Dark ; 41.0; 31; Alp Gru ; 1.73; 15200;occ; 82; 0;32039  
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19; 6535.1; 16-APR-2008 09:40:30; Dark ; 41.0; 43; Alp TrA ; 1.91; 4250;occ; 82; 0;32039  
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23; 7109.1; 16-APR-2008 09:50:04; Dark ; 39.5; 64; Gam Cen ; 2.20; 10600;occ; 79; 0;32039  
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4; 2676.0; 16-APR-2008 10:16:46; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;32040  
5; 2819.7; 16-APR-2008 10:19:10; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;32040  
6; 2962.0; 16-APR-2008 10:21:32; Bright; 34.0; 36; 50Alp UMa ; 1.80; 6300;occ; 68; 0;32040  
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8; 3876.9; 16-APR-2008 10:36:47; Bright; 37.0; 110; 37Del Cas ; 2.68; 8900;occ; 74; 0;32040  
9; 3971.2; 16-APR-2008 10:38:21; Bright; 33.0; 68; 18Alp Cas ; 2.22; 4500;occ; 66; 0;32040  
10; 4477.1; 16-APR-2008 10:46:47; Bright; 37.5; 164; 44Eta Peg ; 2.95; 5400;occ; 75; 0;32040  
11; 5054.8; 16-APR-2008 10:56:25; Dark ; 45.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 91; 0;32040  
12; 5358.1; 16-APR-2008 11:01:28; Dark ; 43.5; 142; 49Del Cap ; 2.85; 8900;occ; 87; 0;32040  
13; 5467.0; 16-APR-2008 11:03:17; Dark ; 42.5; 18; 24Alp PsA ; 1.17; 9700;occ; 85; 0;32040  
14; 5570.3; 16-APR-2008 11:05:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32040  
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16; 5795.6; 16-APR-2008 11:08:46; Dark ; 39.0; 31; Alp Gru ; 1.73; 15200;occ; 78; 0;32040  
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23; 7109.3; 16-APR-2008 11:30:40; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;32040  
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| 12; | 5061.9; | 17-APR-2008 | 12:05:31; | Dark    | ;     | 44.0; | 162;      | 34Alp Aqr | ;     | 2.94;      | 5350;occ;  | 88;  | 0;    | 32055 |
| 13; | 5367.3; | 17-APR-2008 | 12:10:36; | Dark    | ;     | 43.0; | 142;      | 49Del Cap | ;     | 2.85;      | 8900;occ;  | 86;  | 0;    | 32055 |
| 14; | 5471.0; | 17-APR-2008 | 12:12:20; | Dark    | ;     | 45.0; | 18;       | 24Alp PsA | ;     | 1.17;      | 9700;occ;  | 90;  | 0;    | 32055 |
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| 18; | 5990.2; | 17-APR-2008 | 12:20:59; | Dark    | ;     | 43.0; | 148;      | Alp Tuc   | ;     | 2.88;      | 4100;occ;  | 86;  | 0;    | 32055 |
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| 7;  | 2819.5; | 17-APR-2008 | 13:08:44; | Bright; | 35.5; | 87;   | 64Gam UMa | ;         | 2.43; | 11000;occ; | 71;        | 0;  | 32056 |       |
| 8;  | 2963.7; | 17-APR-2008 | 13:11:09; | Bright; | 36.0; | 36;   | 50Alp UMa | ;         | 1.80; | 6300;occ;  | 72;        | 0;  | 32056 |       |
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| 15; | 5471.4; | 17-APR-2008 | 13:52:56; | Dark    | ;     | 42.5; | 18;       | 24Alp PsA | ;     | 1.17;      | 9700;occ;  | 85; | 0;    | 32056 |
| 16; | 5576.3; | 17-APR-2008 | 13:54:41; | Dark    | ;     | 59.5; | 0;        | ;         | 0.00; | 0;occ;     | 119;       | 0;  | 32056 |       |
| 17; | 5681.5; | 17-APR-2008 | 13:56:26; | Dark    | ;     | 38.0; | 172;      | Gam Gru   | ;     | 3.00;      | 13100;occ; | 76; | 0;    | 32056 |
| 18; | 5801.6; | 17-APR-2008 | 13:58:26; | Dark    | ;     | 39.5; | 31;       | Alp Gru   | ;     | 1.73;      | 15200;occ; | 79; | 0;    | 32056 |
| 19; | 5990.5; | 17-APR-2008 | 14:01:35; | Dark    | ;     | 37.0; | 148;      | Alp Tuc   | ;     | 2.88;      | 4100;occ;  | 74; | 0;    | 32056 |
| 20; | 6104.6; | 17-APR-2008 | 14:03:29; | Dark    | ;     | 39.5; | 45;       | Alp Pav   | ;     | 1.94;      | 26000;occ; | 79; | 0;    | 32056 |
| 21; | 6542.1; | 17-APR-2008 | 14:10:47; | Dark    | ;     | 40.5; | 43;       | Alp TrA   | ;     | 1.91;      | 4250;occ;  | 81; | 0;    | 32056 |
| 22; | 6669.0; | 17-APR-2008 | 14:12:54; | Dark    | ;     | 38.0; | 134;      | Bet TrA   | ;     | 2.81;      | 6600;occ;  | 76; | 0;    | 32056 |
| 23; | 6810.3; | 17-APR-2008 | 14:15:15; | Dark    | ;     | 42.0; | 4;        | Alp1Cen   | ;     | -0.01;     | 5800;occ;  | 84; | 0;    | 32056 |
| 24; | 6935.4; | 17-APR-2008 | 14:17:20; | Dark    | ;     | 36.0; | 20;       | Bet Cru   | ;     | 1.25;      | 30000;occ; | 72; | 0;    | 32056 |
| 25; | 7112.7; | 17-APR-2008 | 14:20:18; | Dark    | ;     | 39.5; | 64;       | Gam Cen   | ;     | 2.20;      | 10600;occ; | 79; | 0;    | 32056 |
| 26; | 7237.9; | 17-APR-2008 | 14:22:23; | Dark    | ;     | 47.5; | 54;       | 5The Cen  | ;     | 2.06;      | 4500;occ;  | 95; | 0;    | 32056 |

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| 3;  | 1877.0; | 17-APR-2008 | 14:33:38; | Bright; | 37.5; | 121;  | 29Gam Vir | ;        | 2.74; | 7200;occ;  | 75;       | 0;  | 32057 |       |
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17; 5695.8; 19-APR-2008 17:55:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32087  
18; 5813.6; 19-APR-2008 17:57:12; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;32087  
19; 5998.0; 19-APR-2008 18:00:16; Dark ; 38.0; 148; Alp Tuc ; 2.88; 4100;occ; 76; 0;32087  
20; 6122.0; 19-APR-2008 18:02:20; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;32087  
21; 6554.4; 19-APR-2008 18:09:33; Dark ; 43.0; 43; Alp TrA ; 1.91; 4250;occ; 86; 0;32087  
22; 6682.6; 19-APR-2008 18:11:41; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;32087  
23; 6821.1; 19-APR-2008 18:14:00; Dark ; 51.0; 4; Alp1Cen ;-0.01; 5800;occ; 102; 0;32087  
24; 6940.7; 19-APR-2008 18:15:59; Dark ; 36.0; 20; Bet Cru ; 1.25; 30000;occ; 72; 0;32087

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20080419\_181857\_000058952067\_00471\_32088\_0749.N1

1; 1082.6; 19-APR-2008 18:18:57; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;32088  
2; 1252.9; 19-APR-2008 18:21:47; Dark ; 39.5; 123; Iot Cen ; 2.75; 10200;occ; 79; 0;32088  
3; 1509.9; 19-APR-2008 18:26:04; Dark ; 40.5; 106; 9Bet Crv ; 2.65; 5600;occ; 81; 0;32088  
4; 1628.0; 19-APR-2008 18:28:02; Bright; 38.5; 163; 7Del Crv ; 2.94; 11000;occ; 77; 0;32088  
5; 1878.7; 19-APR-2008 18:32:13; Bright; 36.5; 121; 29Gam Vir ; 2.74; 7200;occ; 73; 0;32088  
6; 2167.9; 19-APR-2008 18:37:02; Bright; 35.0; 62; 94Bet Leo ; 2.14; 9700;occ; 70; 0;32088  
7; 2291.6; 19-APR-2008 18:39:06; Bright; 36.5; 96; 68Del Leo ; 2.56; 9300;occ; 73; 0;32088  
8; 2684.5; 19-APR-2008 18:45:39; Bright; 35.0; 174; 52Psi UMA ; 3.00; 4400;occ; 70; 0;32088  
9; 2819.5; 19-APR-2008 18:47:54; Bright; 35.5; 87; 64Gam UMA ; 2.43; 11000;occ; 71; 0;32088  
10; 2967.5; 19-APR-2008 18:50:22; Bright; 35.5; 36; 50Alp UMA ; 1.80; 6300;occ; 71; 0;32088  
11; 3443.3; 19-APR-2008 18:58:18; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;32088  
12; 3888.3; 19-APR-2008 19:05:43; Bright; 38.0; 110; 37Del Cas ; 2.68; 8900;occ; 76; 0;32088  
13; 3979.8; 19-APR-2008 19:07:14; Bright; 52.0; 68; 18Alp Cas ; 2.22; 4500;occ; 104; 0;32088  
14; 4510.1; 19-APR-2008 19:16:05; Bright; 37.0; 93; 53Bet Peg ; 2.52; 3100;occ; 74; 0;32088  
15; 4731.4; 19-APR-2008 19:19:46; Dark ; 42.0; 90; 54Alp Peg ; 2.49; 11000;occ; 84; 0;32088  
16; 5480.5; 19-APR-2008 19:32:15; Dark ; 42.5; 18; 24Alp PsA ; 1.17; 9700;occ; 85; 0;32088  
17; 5695.8; 19-APR-2008 19:35:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32088  
18; 5813.9; 19-APR-2008 19:37:48; Dark ; 38.0; 31; Alp Gru ; 1.73; 15200;occ; 76; 0;32088  
19; 5998.2; 19-APR-2008 19:40:53; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;32088  
20; 6122.5; 19-APR-2008 19:42:57; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;32088  
21; 6554.6; 19-APR-2008 19:50:09; Dark ; 41.0; 43; Alp TrA ; 1.91; 4250;occ; 82; 0;32088  
22; 6682.9; 19-APR-2008 19:52:17; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;32088  
23; 6821.3; 19-APR-2008 19:54:36; Dark ; 52.5; 4; Alp1Cen ;-0.01; 5800;occ; 105; 0;32088  
24; 6940.7; 19-APR-2008 19:56:35; Dark ; 37.0; 20; Bet Cru ; 1.25; 30000;occ; 74; 0;32088

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20080420\_003404\_000053282067\_00474\_32091\_5542.N1



|   |          |             |           |         |   |       |      |       |     |   |        |        |      |      |    |       |
|---|----------|-------------|-----------|---------|---|-------|------|-------|-----|---|--------|--------|------|------|----|-------|
| 1;  | -554.5;  | 20-APR-2008 | 00:34:04; | Dark    | ; | 44.5; | 18;  | 24Alp | PsA | ; | 1.17;  | 9700;  | occ; | 89;  | 0; | 32091 |
| 2;  | -339.8;  | 20-APR-2008 | 00:37:38; | Dark    | ; | 59.5; | 0;   |       |     | ; | 0.00;  | 0;     | occ; | 119; | 0; | 32091 |
| 3;  | -220.9;  | 20-APR-2008 | 00:39:37; | Dark    | ; | 42.0; | 31;  | Alp   | Gru | ; | 1.73;  | 15200; | occ; | 84;  | 0; | 32091 |
| 4;  | -37.1;   | 20-APR-2008 | 00:42:41; | Dark    | ; | 41.0; | 148; | Alp   | Tuc | ; | 2.88;  | 4100;  | occ; | 82;  | 0; | 32091 |
| 5;  | 88.1;    | 20-APR-2008 | 00:44:46; | Dark    | ; | 39.0; | 45;  | Alp   | Pav | ; | 1.94;  | 26000; | occ; | 78;  | 0; | 32092 |
| 6;  | 519.9;   | 20-APR-2008 | 00:51:58; | Dark    | ; | 41.5; | 43;  | Alp   | TrA | ; | 1.91;  | 4250;  | occ; | 83;  | 0; | 32092 |
| 7;  | 648.1;   | 20-APR-2008 | 00:54:06; | Dark    | ; | 39.5; | 134; | Bet   | TrA | ; | 2.81;  | 6600;  | occ; | 79;  | 0; | 32092 |
| 8;  | 786.2;   | 20-APR-2008 | 00:56:24; | Dark    | ; | 53.0; | 4;   | Alp1  | Cen | ; | -0.01; | 5800;  | occ; | 106; | 0; | 32092 |
| 9;  | 905.2;   | 20-APR-2008 | 00:58:23; | Dark    | ; | 41.5; | 20;  | Bet   | Cru | ; | 1.25;  | 30000; | occ; | 83;  | 0; | 32092 |
| 10;   | 1083.2;  | 20-APR-2008 | 01:01:21; | Dark    | ; | 39.5; | 64;  | Gam   | Cen | ; | 2.20;  | 10600; | occ; | 79;  | 0; | 32092 |
| 11;   | 1253.7;  | 20-APR-2008 | 01:04:12; | Dark    | ; | 38.0; | 123; | Iot   | Cen | ; | 2.75;  | 10200; | occ; | 76;  | 0; | 32092 |
| 12;   | 1510.4;  | 20-APR-2008 | 01:08:29; | Dark    | ; | 39.0; | 106; | 9Bet  | Crv | ; | 2.65;  | 5600;  | occ; | 78;  | 0; | 32092 |
| 13;   | 1628.5;  | 20-APR-2008 | 01:10:27; | Bright; | ; | 37.5; | 163; | 7Del  | Crv | ; | 2.94;  | 11000; | occ; | 75;  | 0; | 32092 |
| 14;   | 1878.8;  | 20-APR-2008 | 01:14:37; | Bright; | ; | 36.5; | 121; | 29Gam | Vir | ; | 2.74;  | 7200;  | occ; | 73;  | 0; | 32092 |
| 15;   | 2168.4;  | 20-APR-2008 | 01:19:26; | Bright; | ; | 35.0; | 62;  | 94Bet | Leo | ; | 2.14;  | 9700;  | occ; | 70;  | 0; | 32092 |
| 16;   | 2292.7;  | 20-APR-2008 | 01:21:31; | Bright; | ; | 35.5; | 96;  | 68Del | Leo | ; | 2.56;  | 9300;  | occ; | 71;  | 0; | 32092 |
| 17;   | 2685.3;  | 20-APR-2008 | 01:28:03; | Bright; | ; | 36.0; | 174; | 52Psi | UMa | ; | 3.00;  | 4400;  | occ; | 72;  | 0; | 32092 |
| 18;   | 2819.4;  | 20-APR-2008 | 01:30:17; | Bright; | ; | 35.5; | 87;  | 64Gam | UMa | ; | 2.43;  | 11000; | occ; | 71;  | 0; | 32092 |
| 19;   | 2967.9;  | 20-APR-2008 | 01:32:46; | Bright; | ; | 36.0; | 36;  | 50Alp | UMa | ; | 1.80;  | 6300;  | occ; | 72;  | 0; | 32092 |
| 20;   | 3443.3;  | 20-APR-2008 | 01:40:41; | Bright; | ; | 35.0; | 49;  | 1Alp  | UMi | ; | 1.99;  | 6300;  | occ; | 70;  | 0; | 32092 |
| 21;   | 3889.3;  | 20-APR-2008 | 01:48:07; | Bright; | ; | 45.5; | 110; | 37Del | Cas | ; | 2.68;  | 8900;  | occ; | 91;  | 0; | 32092 |
| 22;   | 3980.3;  | 20-APR-2008 | 01:49:38; | Bright; | ; | 35.0; | 68;  | 18Alp | Cas | ; | 2.22;  | 4500;  | occ; | 70;  | 0; | 32092 |
| 23;   | 4510.7;  | 20-APR-2008 | 01:58:29; | Bright; | ; | 37.5; | 93;  | 53Bet | Peg | ; | 2.52;  | 3100;  | occ; | 75;  | 0; | 32092 |
| 24;   | 4732.4;  | 20-APR-2008 | 02:02:11; | Dark    | ; | 42.0; | 90;  | 54Alp | Peg | ; | 2.49;  | 11000; | occ; | 84;  | 0; | 32092 |
| /nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20080420_021440_000044612067_00475_32092_5543.N1 |          |             |           |         |   |       |      |       |     |   |        |        |      |      |    |       |
| 1;  | -554.2;  | 20-APR-2008 | 02:14:40; | Dark    | ; | 41.5; | 18;  | 24Alp | PsA | ; | 1.17;  | 9700;  | occ; | 83;  | 0; | 32092 |
| 2;  | -339.7;  | 20-APR-2008 | 02:18:14; | Dark    | ; | 59.5; | 0;   |       |     | ; | 0.00;  | 0;     | occ; | 119; | 0; | 32092 |
| 3;  | -220.6;  | 20-APR-2008 | 02:20:13; | Dark    | ; | 39.0; | 31;  | Alp   | Gru | ; | 1.73;  | 15200; | occ; | 78;  | 0; | 32092 |
| 4;  | -37.0;   | 20-APR-2008 | 02:23:17; | Dark    | ; | 38.0; | 148; | Alp   | Tuc | ; | 2.88;  | 4100;  | occ; | 76;  | 0; | 32092 |
| 5;  | 88.7;    | 20-APR-2008 | 02:25:23; | Dark    | ; | 40.5; | 45;  | Alp   | Pav | ; | 1.94;  | 26000; | occ; | 81;  | 0; | 32093 |
| 6;  | 520.2;   | 20-APR-2008 | 02:32:34; | Dark    | ; | 38.0; | 43;  | Alp   | TrA | ; | 1.91;  | 4250;  | occ; | 76;  | 0; | 32093 |
| 7;  | 648.7;   | 20-APR-2008 | 02:34:43; | Dark    | ; | 39.0; | 134; | Bet   | TrA | ; | 2.81;  | 6600;  | occ; | 78;  | 0; | 32093 |
| 8;  | 786.7;   | 20-APR-2008 | 02:37:01; | Dark    | ; | 53.0; | 4;   | Alp1  | Cen | ; | -0.01; | 5800;  | occ; | 106; | 0; | 32093 |
| 9;  | 905.4;   | 20-APR-2008 | 02:38:59; | Dark    | ; | 42.5; | 20;  | Bet   | Cru | ; | 1.25;  | 30000; | occ; | 85;  | 0; | 32093 |
| 10;   | 1083.5;  | 20-APR-2008 | 02:41:57; | Dark    | ; | 42.0; | 64;  | Gam   | Cen | ; | 2.20;  | 10600; | occ; | 84;  | 0; | 32093 |
| 11;   | 1254.0;  | 20-APR-2008 | 02:44:48; | Dark    | ; | 38.5; | 123; | Iot   | Cen | ; | 2.75;  | 10200; | occ; | 77;  | 0; | 32093 |
| 12;   | 1510.7;  | 20-APR-2008 | 02:49:05; | Dark    | ; | 41.5; | 106; | 9Bet  | Crv | ; | 2.65;  | 5600;  | occ; | 83;  | 0; | 32093 |
| 13;   | 1628.6;  | 20-APR-2008 | 02:51:03; | Bright; | ; | 35.0; | 163; | 7Del  | Crv | ; | 2.94;  | 11000; | occ; | 70;  | 0; | 32093 |
| 14;   | 1879.0;  | 20-APR-2008 | 02:55:13; | Bright; | ; | 37.0; | 121; | 29Gam | Vir | ; | 2.74;  | 7200;  | occ; | 74;  | 0; | 32093 |
| 15;   | 2168.5;  | 20-APR-2008 | 03:00:02; | Bright; | ; | 39.0; | 62;  | 94Bet | Leo | ; | 2.14;  | 9700;  | occ; | 78;  | 0; | 32093 |
| 16;   | 2292.9;  | 20-APR-2008 | 03:02:07; | Bright; | ; | 35.0; | 96;  | 68Del | Leo | ; | 2.56;  | 9300;  | occ; | 70;  | 0; | 32093 |
| 17;   | 2685.5;  | 20-APR-2008 | 03:08:39; | Bright; | ; | 35.5; | 174; | 52Psi | UMa | ; | 3.00;  | 4400;  | occ; | 71;  | 0; | 32093 |
| 18;   | 2819.7;  | 20-APR-2008 | 03:10:54; | Bright; | ; | 33.0; | 87;  | 64Gam | UMa | ; | 2.43;  | 11000; | occ; | 66;  | 0; | 32093 |
| 19;   | 2968.2;  | 20-APR-2008 | 03:13:22; | Bright; | ; | 36.5; | 36;  | 50Alp | UMa | ; | 1.80;  | 6300;  | occ; | 73;  | 0; | 32093 |
| 20;   | 3443.4;  | 20-APR-2008 | 03:21:17; | Bright; | ; | 33.0; | 49;  | 1Alp  | UMi | ; | 1.99;  | 6300;  | occ; | 66;  | 0; | 32093 |
| 21;   | 3889.6;  | 20-APR-2008 | 03:28:44; | Bright; | ; | 17.5; | 110; | 37Del | Cas | ; | 2.68;  | 8900;  | occ; | 35;  | 0; | 32093 |
| /nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20080420_032844_000056252067_00476_32093_5544.N1 |          |             |           |         |   |       |      |       |     |   |        |        |      |      |    |       |
| 1;  | -2146.4; | 20-APR-2008 | 03:28:44; | Bright; | ; | 33.5; | 110; | 37Del | Cas | ; | 2.68;  | 8900;  | occ; | 67;  | 0; | 32093 |
| 2;  | -2055.4; | 20-APR-2008 | 03:30:15; | Bright; | ; | 35.5; | 68;  | 18Alp | Cas | ; | 2.22;  | 4500;  | occ; | 71;  | 0; | 32093 |
| 3;  | -1524.9; | 20-APR-2008 | 03:39:05; | Bright; | ; | 37.5; | 93;  | 53Bet | Peg | ; | 2.52;  | 3100;  | occ; | 75;  | 0; | 32093 |
| 4;  | -1303.4; | 20-APR-2008 | 03:42:47; | Dark    | ; | 41.5; | 90;  | 54Alp | Peg | ; | 2.49;  | 11000; | occ; | 83;  | 0; | 32093 |
| 5;  | -553.9;  | 20-APR-2008 | 03:55:16; | Dark    | ; | 43.0; | 18;  | 24Alp | PsA | ; | 1.17;  | 9700;  | occ; | 86;  | 0; | 32093 |
| 6;  | -339.6;  | 20-APR-2008 | 03:58:50; | Dark    | ; | 59.5; | 0;   |       |     | ; | 0.00;  | 0;     | occ; | 119; | 0; | 32093 |
| 7;  | -219.9;  | 20-APR-2008 | 04:00:50; | Dark    | ; | 39.5; | 31;  | Alp   | Gru | ; | 1.73;  | 15200; | occ; | 79;  | 0; | 32093 |
| 8;  | -36.4;   | 20-APR-2008 | 04:03:53; | Dark    | ; | 44.0; | 148; | Alp   | Tuc | ; | 2.88;  | 4100;  | occ; | 88;  | 0; | 32093 |
| 9;  | 89.5;    | 20-APR-2008 | 04:05:59; | Dark    | ; | 39.5; | 45;  | Alp   | Pav | ; | 1.94;  | 26000; | occ; | 79;  | 0; | 32094 |
| 10;   | 520.8;   | 20-APR-2008 | 04:13:11; | Dark    | ; | 40.5; | 43;  | Alp   | TrA | ; | 1.91;  | 4250;  | occ; | 81;  | 0; | 32094 |
| 11;   | 649.3;   | 20-APR-2008 | 04:15:19; | Dark    | ; | 38.0; | 134; | Bet   | TrA | ; | 2.81;  | 6600;  | occ; | 76;  | 0; | 32094 |
| 12;   | 787.2;   | 20-APR-2008 | 04:17:37; | Dark    | ; | 48.0; | 4;   | Alp1  | Cen | ; | -0.01; | 5800;  | occ; | 96;  | 0; | 32094 |
| 13;   | 905.8;   | 20-APR-2008 | 04:19:36; | Dark    | ; | 39.5; | 20;  | Bet   | Cru | ; | 1.25;  | 30000; | occ; | 79;  | 0; | 32094 |
| 14;   | 1083.9;  | 20-APR-2008 | 04:22:34; | Dark    | ; | 38.5; | 64;  | Gam   | Cen | ; | 2.20;  | 10600; | occ; | 77;  | 0; | 32094 |
| 15;   | 1254.3;  | 20-APR-2008 | 04:25:24; | Dark    | ; | 39.0; | 123; | Iot   | Cen | ; | 2.75;  | 10200; | occ; | 78;  | 0; | 32094 |
| 16;   | 1511.0;  | 20-APR-2008 | 04:29:41; | Dark    | ; | 40.5; | 106; | 9Bet  | Crv | ; | 2.65;  | 5600;  | occ; | 81;  | 0; | 32094 |
| 17;   | 1628.9;  | 20-APR-2008 | 04:31:39; | Bright; | ; | 37.5; | 163; | 7Del  | Crv | ; | 2.94;  | 11000; | occ; | 75;  | 0; | 32094 |
| 18;   | 1879.3;  | 20-APR-2008 | 04:35:49; | Bright; | ; | 35.0; | 121; | 29Gam | Vir | ; | 2.74;  | 7200;  | occ; | 70;  | 0; | 32094 |
| 19;   | 2169.0;  | 20-APR-2008 | 04:40:39; | Bright; | ; | 34.0; | 62;  | 94Bet | Leo | ; | 2.14;  | 9700;  | occ; | 68;  | 0; | 32094 |
| 20;   | 2293.4;  | 20-APR-2008 | 04:42:43; | Bright; | ; | 36.0; | 96;  | 68Del | Leo | ; | 2.56;  | 9300;  | occ; | 72;  | 0; | 32094 |
| 21;   | 2685.9;  | 20-APR-2008 | 04:49:16; | Bright; | ; | 36.0; | 174; | 52Psi | UMa | ; | 3.00;  | 4400;  | occ; | 72;  | 0; | 32094 |

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22; 2819.8; 20-APR-2008 04:51:30; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;32094
23; 2968.4; 20-APR-2008 04:53:58; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;32094
24; 3443.5; 20-APR-2008 05:01:53; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32094
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1; -2146.2; 20-APR-2008 05:09:20; Bright; 45.0; 110; 37Del Cas ; 2.68; 8900;occ; 90; 0;32094
2; -2055.2; 20-APR-2008 05:10:51; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;32094
3; -1524.7; 20-APR-2008 05:19:41; Bright; 37.5; 93; 53Bet Peg ; 2.52; 3100;occ; 75; 0;32094
4; -1303.1; 20-APR-2008 05:23:23; Dark ; 43.0; 90; 54Alp Peg ; 2.49; 11000;occ; 86; 0;32094
5; -553.5; 20-APR-2008 05:35:52; Dark ; 44.0; 18; 24Alp PsA ; 1.17; 9700;occ; 88; 0;32094
6; -339.4; 20-APR-2008 05:39:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32094
7; -219.5; 20-APR-2008 05:41:26; Dark ; 39.5; 31; Alp Gru ; 1.73; 15200;occ; 79; 0;32094
8; -36.2; 20-APR-2008 05:44:30; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;32094
9; 89.9; 20-APR-2008 05:46:36; Dark ; 38.5; 45; Alp Pav ; 1.94; 26000;occ; 77; 0;32095
10; 521.2; 20-APR-2008 05:53:47; Dark ; 39.0; 43; Alp TrA ; 1.91; 4250;occ; 78; 0;32095
11; 649.6; 20-APR-2008 05:55:56; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;32095
12; 787.5; 20-APR-2008 05:58:13; Dark ; 50.0; 4; Alp1Cen ; -0.01; 5800;occ; 100; 0;32095
13; 905.9; 20-APR-2008 06:00:12; Dark ; 40.0; 20; Bet Cru ; 1.25; 30000;occ; 80; 0;32095
14; 1084.1; 20-APR-2008 06:03:10; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;32095
15; 1254.5; 20-APR-2008 06:06:00; Dark ; 39.0; 123; Iot Cen ; 2.75; 10200;occ; 78; 0;32095
16; 1511.2; 20-APR-2008 06:10:17; Dark ; 39.0; 106; 9Bet Crv ; 2.65; 5600;occ; 78; 0;32095
17; 1629.2; 20-APR-2008 06:12:15; Bright; 35.0; 163; 7Del Crv ; 2.94; 11000;occ; 70; 0;32095
18; 1879.3; 20-APR-2008 06:16:25; Bright; 37.5; 121; 29Gam Vir ; 2.74; 7200;occ; 75; 0;32095
19; 2169.0; 20-APR-2008 06:21:15; Bright; 34.0; 62; 94Bet Leo ; 2.14; 9700;occ; 68; 0;32095
20; 2293.6; 20-APR-2008 06:23:20; Bright; 35.5; 96; 68Del Leo ; 2.56; 9300;occ; 71; 0;32095
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22; 2819.8; 20-APR-2008 06:32:06; Bright; 34.5; 87; 64Gam UMa ; 2.43; 11000;occ; 69; 0;32095
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16; 4517.6; 22-APR-2008 21:02:33; Bright; 30.0; 93; 53Bet Peg ; 2.52; 3100;occ; 60; 0;32132
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13; 1493.7; 22-APR-2008 21:52:45; Dark ; 40.5; 169; 46Gam Hya ; 2.99; 4700;occ; 81; 0;32133
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15; 1882.6; 22-APR-2008 21:59:14; Bright; 36.0; 121; 29Gam Vir ; 2.74; 7200;occ; 72; 0;32133
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6; 2693.7; 22-APR-2008 15:30:21; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;32129
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13; 4741.7; 22-APR-2008 16:04:29; Dark ; 42.0; 90; 54Alp Peg ; 2.49; 11000;occ; 84; 0;32129
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```

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```

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22; 2822.6; 24-APR-2008 04:25:40; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;32151
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 8; 2560.1; 29-APR-2008 16:48:37; Bright; 35.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 70; 0;32230  
 9; 2722.8; 29-APR-2008 16:51:19; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;32230  
 10; 2831.0; 29-APR-2008 16:53:07; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;32230  
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 12; 2992.8; 29-APR-2008 16:55:49; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;32230  
 13; 3444.7; 29-APR-2008 17:03:21; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32230  
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 22; 6608.5; 29-APR-2008 17:56:05; Dark ; 46.0; 43; Alp TrA ; 1.91; 4250;occ; 92; 0;32230  
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 24; 6865.1; 29-APR-2008 18:00:22; Dark ; 47.0; 4; Alp1Cen ; -0.01; 5800;occ; 94; 0;32230  
 25; 6959.8; 29-APR-2008 18:01:56; Dark ; 43.0; 20; Bet Cru ; 1.25; 30000;occ; 86; 0;32230  
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10; 706.3; 30-APR-2008 04:01:54; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;32237
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16; 2096.0; 01-MAY-2008 00:32:15; Bright; 35.0; 138; 47Eps Vir ; 2.83; 4700;occ; 70; 0;32249
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 22; 6960.8; 30-APR-2008 12:28:33; Dark ; 38.5; 20; Bet Cru ; 1.25; 30000;occ; 77; 0;32241  
 23; 7072.9; 30-APR-2008 12:30:25; Dark ; 39.0; 78; Alp Lup ; 2.30; 28000;occ; 78; 0;32241  
 24; 7165.7; 30-APR-2008 12:31:57; Dark ; 38.5; 81; Eta Cen ; 2.36; 28000;occ; 77; 0;32241  
 25; 7291.1; 30-APR-2008 12:34:03; Dark ; 44.0; 54; 5The Cen ; 2.06; 4500;occ; 88; 0;32241  
 26; 7548.5; 30-APR-2008 12:38:20; Dark ; 48.0; 169; 46Gam Hya ; 2.99; 4700;occ; 96; 0;32241

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 2; 1896.3; 30-APR-2008 12:44:44; Bright; 35.5; 121; 29Gam Vir ; 2.74; 7200;occ; 71; 0;32242  
 3; 2095.6; 30-APR-2008 12:48:03; Bright; 35.0; 138; 47Eps Vir ; 2.83; 4700;occ; 70; 0;32242  
 4; 2202.1; 30-APR-2008 12:49:50; Bright; 36.0; 62; 94Bet Leo ; 2.14; 9700;occ; 72; 0;32242  
 5; 2559.9; 30-APR-2008 12:55:47; Bright; 34.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 68; 0;32242  
 6; 2727.0; 30-APR-2008 12:58:35; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;32242  
 7; 2832.6; 30-APR-2008 13:00:20; Bright; 35.0; 87; 64Gam UMa ; 2.43; 11000;occ; 70; 0;32242  
 8; 2916.5; 30-APR-2008 13:01:44; Bright; 34.0; 82; 48Bet UMa ; 2.37; 10600;occ; 68; 0;32242  
 9; 2995.6; 30-APR-2008 13:03:03; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;32242  
 10; 3444.8; 30-APR-2008 13:10:32; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;32242  
 11; 3917.9; 30-APR-2008 13:18:25; Bright; 33.5; 110; 37Del Cas ; 2.68; 8900;occ; 67; 0;32242  
 12; 4000.3; 30-APR-2008 13:19:48; Bright; 49.0; 68; 18Alp Cas ; 2.22; 4500;occ; 98; 0;32242  
 13; 5243.7; 30-APR-2008 13:40:31; Dark ; 39.0; 52; 16Bet Cet ; 2.04; 4500;occ; 78; 0;32242  
 14; 5541.7; 30-APR-2008 13:45:29; Dark ; 44.0; 18; 24Alp PsA ; 1.17; 9700;occ; 88; 0;32242  
 15; 5667.9; 30-APR-2008 13:47:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32242  
 16; 5887.5; 30-APR-2008 13:51:15; Dark ; 40.5; 31; Alp Gru ; 1.73; 15200;occ; 81; 0;32242  
 17; 6045.1; 30-APR-2008 13:53:53; Dark ; 37.5; 148; Alp Tuc ; 2.88; 4100;occ; 75; 0;32242  
 18; 6216.2; 30-APR-2008 13:56:44; Dark ; 29.0; 45; Alp Pav ; 1.94; 26000;occ; 58; 0;32242  
 19; 6612.8; 30-APR-2008 14:03:20; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;32242  
 20; 6744.7; 30-APR-2008 14:05:32; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;32242  
 21; 6868.2; 30-APR-2008 14:07:36; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;32242  
 22; 6961.0; 30-APR-2008 14:09:09; Dark ; 43.5; 20; Bet Cru ; 1.25; 30000;occ; 87; 0;32242  
 23; 7073.3; 30-APR-2008 14:11:01; Dark ; 38.0; 78; Alp Lup ; 2.30; 28000;occ; 76; 0;32242  
 24; 7166.0; 30-APR-2008 14:12:34; Dark ; 39.0; 81; Eta Cen ; 2.36; 28000;occ; 78; 0;32242  
 25; 7291.4; 30-APR-2008 14:14:39; Dark ; 42.5; 54; 5The Cen ; 2.06; 4500;occ; 85; 0;32242  
 26; 7548.6; 30-APR-2008 14:18:56; Dark ; 19.0; 169; 46Gam Hya ; 2.99; 4700;occ; 38; 0;32242

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 4; 2095.8; 30-APR-2008 14:28:39; Bright; 35.0; 138; 47Eps Vir ; 2.83; 4700;occ; 70; 0;32243  
 5; 2202.5; 30-APR-2008 14:30:26; Bright; 35.0; 62; 94Bet Leo ; 2.14; 9700;occ; 70; 0;32243  
 6; 2559.9; 30-APR-2008 14:36:23; Bright; 33.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 67; 0;32243  
 7; 2727.4; 30-APR-2008 14:39:11; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;32243  
 8; 2832.8; 30-APR-2008 14:40:56; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;32243  
 9; 2916.9; 30-APR-2008 14:42:20; Bright; 35.0; 82; 48Bet UMa ; 2.37; 10600;occ; 70; 0;32243  
 10; 2995.8; 30-APR-2008 14:43:39; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;32243  
 11; 3444.9; 30-APR-2008 14:51:08; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;32243  
 12; 3918.2; 30-APR-2008 14:59:02; Bright; 48.5; 110; 37Del Cas ; 2.68; 8900;occ; 97; 0;32243  
 13; 4000.5; 30-APR-2008 15:00:24; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;32243  
 14; 5243.9; 30-APR-2008 15:21:07; Dark ; 43.0; 52; 16Bet Cet ; 2.04; 4500;occ; 86; 0;32243  
 15; 5542.2; 30-APR-2008 15:26:06; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;32243  
 16; 5668.5; 30-APR-2008 15:28:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32243  
 17; 5888.1; 30-APR-2008 15:31:52; Dark ; 41.5; 31; Alp Gru ; 1.73; 15200;occ; 83; 0;32243  
 18; 6045.5; 30-APR-2008 15:34:29; Dark ; 45.0; 148; Alp Tuc ; 2.88; 4100;occ; 90; 0;32243  
 19; 6216.9; 30-APR-2008 15:37:20; Dark ; 25.0; 45; Alp Pav ; 1.94; 26000;occ; 50; 0;32243  
 20; 6613.2; 30-APR-2008 15:43:57; Dark ; 38.5; 43; Alp TrA ; 1.91; 4250;occ; 77; 0;32243  
 21; 6744.8; 30-APR-2008 15:46:08; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;32243  
 22; 6868.5; 30-APR-2008 15:48:12; Dark ; 48.5; 4; Alp1Cen ;-0.01; 5800;occ; 97; 0;32243  
 23; 6961.1; 30-APR-2008 15:49:45; Dark ; 46.0; 20; Bet Cru ; 1.25; 30000;occ; 92; 0;32243  
 24; 7073.6; 30-APR-2008 15:51:37; Dark ; 40.5; 78; Alp Lup ; 2.30; 28000;occ; 81; 0;32243  
 25; 7166.4; 30-APR-2008 15:53:10; Dark ; 38.0; 81; Eta Cen ; 2.36; 28000;occ; 76; 0;32243  
 26; 7291.7; 30-APR-2008 15:55:15; Dark ; 41.0; 54; 5The Cen ; 2.06; 4500;occ; 82; 0;32243

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20080430\_155515\_000058572068\_00126\_32244\_0829.N1

1; 1255.7; 30-APR-2008 15:55:15; Dark ; 41.5; 54; 5The Cen ; 2.06; 4500;occ; 83; 0;32244



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3; 1712.2; 30-APR-2008 16:02:52; Bright; 39.0; 15; 67Alp Vir ; 0.98; 28000;occ; 78; 0;32244
4; 1896.4; 30-APR-2008 16:05:56; Bright; 35.0; 121; 29Gam Vir ; 2.74; 7200;occ; 70; 0;32244
5; 2095.8; 30-APR-2008 16:09:15; Bright; 36.0; 138; 47Eps Vir ; 2.83; 4700;occ; 72; 0;32244
6; 2202.7; 30-APR-2008 16:11:02; Bright; 35.5; 62; 94Bet Leo ; 2.14; 9700;occ; 71; 0;32244
7; 2559.8; 30-APR-2008 16:16:59; Bright; 34.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 68; 0;32244
8; 2727.7; 30-APR-2008 16:19:47; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;32244
9; 2832.9; 30-APR-2008 16:21:32; Bright; 35.0; 87; 64Gam UMa ; 2.43; 11000;occ; 70; 0;32244
10; 2917.1; 30-APR-2008 16:22:57; Bright; 35.0; 82; 48Bet UMa ; 2.37; 10600;occ; 70; 0;32244
11; 2995.9; 30-APR-2008 16:24:15; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;32244
12; 3444.8; 30-APR-2008 16:31:44; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32244
13; 3918.1; 30-APR-2008 16:39:38; Bright; 32.0; 110; 37Del Cas ; 2.68; 8900;occ; 64; 0;32244
14; 4000.5; 30-APR-2008 16:41:00; Bright; 51.5; 68; 18Alp Cas ; 2.22; 4500;occ; 103; 0;32244
15; 5243.9; 30-APR-2008 17:01:43; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32244
16; 5542.7; 30-APR-2008 17:06:42; Dark ; 43.5; 18; 24Alp PsA ; 1.17; 9700;occ; 87; 0;32244
17; 5669.2; 30-APR-2008 17:08:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32244
18; 5888.6; 30-APR-2008 17:12:28; Dark ; 39.5; 31; Alp Gru ; 1.73; 15200;occ; 79; 0;32244
19; 6045.8; 30-APR-2008 17:15:05; Dark ; 43.5; 148; Alp Tuc ; 2.88; 4100;occ; 87; 0;32244
20; 6217.5; 30-APR-2008 17:17:57; Dark ; 25.0; 45; Alp Pav ; 1.94; 26000;occ; 50; 0;32244
21; 6613.6; 30-APR-2008 17:24:33; Dark ; 38.5; 43; Alp TrA ; 1.91; 4250;occ; 77; 0;32244
22; 6745.3; 30-APR-2008 17:26:45; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32244
23; 6868.8; 30-APR-2008 17:28:48; Dark ; 47.0; 4; Alp1Cen ; -0.01; 5800;occ; 94; 0;32244
24; 6961.2; 30-APR-2008 17:30:21; Dark ; 42.5; 20; Bet Cru ; 1.25; 30000;occ; 85; 0;32244
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2; 1130.6; 30-APR-2008 17:33:46; Dark ; 39.0; 81; Eta Cen ; 2.36; 28000;occ; 78; 0;32245
3; 1256.0; 30-APR-2008 17:35:52; Dark ; 44.5; 54; 5The Cen ; 2.06; 4500;occ; 89; 0;32245
4; 1513.0; 30-APR-2008 17:40:09; Dark ; 44.5; 169; 46Gam Hya ; 2.99; 4700;occ; 89; 0;32245
5; 1712.3; 30-APR-2008 17:43:28; Bright; 39.5; 15; 67Alp Vir ; 0.98; 28000;occ; 79; 0;32245
6; 1896.6; 30-APR-2008 17:46:32; Bright; 36.0; 121; 29Gam Vir ; 2.74; 7200;occ; 72; 0;32245
7; 2095.7; 30-APR-2008 17:49:51; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;32245
8; 2202.9; 30-APR-2008 17:51:38; Bright; 35.5; 62; 94Bet Leo ; 2.14; 9700;occ; 71; 0;32245
9; 2559.9; 30-APR-2008 17:57:35; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;32245
10; 2728.1; 30-APR-2008 18:00:24; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;32245
11; 2833.0; 30-APR-2008 18:02:09; Bright; 50.0; 87; 64Gam UMa ; 2.43; 11000;occ; 100; 0;32245
12; 2917.4; 30-APR-2008 18:03:33; Bright; 35.0; 82; 48Bet UMa ; 2.37; 10600;occ; 70; 0;32245
13; 2996.2; 30-APR-2008 18:04:52; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;32245
14; 3444.8; 30-APR-2008 18:12:20; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32245
15; 3918.2; 30-APR-2008 18:20:14; Bright; 33.5; 110; 37Del Cas ; 2.68; 8900;occ; 67; 0;32245
16; 4000.6; 30-APR-2008 18:21:36; Bright; 32.5; 68; 18Alp Cas ; 2.22; 4500;occ; 65; 0;32245
17; 5244.0; 30-APR-2008 18:42:20; Dark ; 43.0; 52; 16Bet Cet ; 2.04; 4500;occ; 86; 0;32245
18; 5543.1; 30-APR-2008 18:47:19; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;32245
19; 5669.8; 30-APR-2008 18:49:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32245
20; 5889.2; 30-APR-2008 18:53:05; Dark ; 41.0; 31; Alp Gru ; 1.73; 15200;occ; 82; 0;32245
21; 6046.2; 30-APR-2008 18:55:42; Dark ; 38.5; 148; Alp Tuc ; 2.88; 4100;occ; 77; 0;32245
22; 6613.9; 30-APR-2008 19:05:09; Dark ; 40.0; 43; Alp TrA ; 1.91; 4250;occ; 80; 0;32245
23; 6745.7; 30-APR-2008 19:07:21; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;32245
24; 6869.1; 30-APR-2008 19:09:25; Dark ; 49.5; 4; Alp1Cen ; -0.01; 5800;occ; 99; 0;32245
25; 6961.3; 30-APR-2008 19:10:57; Dark ; 40.5; 20; Bet Cru ; 1.25; 30000;occ; 81; 0;32245
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2; 1038.3; 30-APR-2008 19:12:50; Dark ; 38.5; 78; Alp Lup ; 2.30; 28000;occ; 77; 0;32246
3; 1130.8; 30-APR-2008 19:14:22; Dark ; 39.0; 81; Eta Cen ; 2.36; 28000;occ; 78; 0;32246
4; 1256.2; 30-APR-2008 19:16:28; Dark ; 40.5; 54; 5The Cen ; 2.06; 4500;occ; 81; 0;32246
5; 1513.1; 30-APR-2008 19:20:45; Dark ; 51.0; 169; 46Gam Hya ; 2.99; 4700;occ; 102; 0;32246
6; 1712.4; 30-APR-2008 19:24:04; Bright; 38.0; 15; 67Alp Vir ; 0.98; 28000;occ; 76; 0;32246
7; 1896.8; 30-APR-2008 19:27:08; Bright; 35.5; 121; 29Gam Vir ; 2.74; 7200;occ; 71; 0;32246
8; 2095.8; 30-APR-2008 19:30:27; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;32246
9; 2203.2; 30-APR-2008 19:32:15; Bright; 35.5; 62; 94Bet Leo ; 2.14; 9700;occ; 71; 0;32246
10; 2559.7; 30-APR-2008 19:38:11; Bright; 52.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 104; 0;32246
11; 2728.5; 30-APR-2008 19:41:00; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;32246
12; 2833.1; 30-APR-2008 19:42:45; Bright; 34.5; 87; 64Gam UMa ; 2.43; 11000;occ; 69; 0;32246
13; 2917.6; 30-APR-2008 19:44:09; Bright; 35.0; 82; 48Bet UMa ; 2.37; 10600;occ; 70; 0;32246
14; 2996.4; 30-APR-2008 19:45:28; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;32246
15; 3444.9; 30-APR-2008 19:52:56; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32246
16; 3918.3; 30-APR-2008 20:00:50; Bright; 33.0; 110; 37Del Cas ; 2.68; 8900;occ; 66; 0;32246
17; 4000.7; 30-APR-2008 20:02:12; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;32246

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|     |         |             |           |      |   |       |      |         |     |   |        |        |      |      |    |       |
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| 18; | 5244.1; | 30-APR-2008 | 20:22:56; | Dark | ; | 41.5; | 52;  | 16Bet   | Cet | ; | 2.04;  | 4500;  | occ; | 83;  | 0; | 32246 |
| 19; | 5543.6; | 30-APR-2008 | 20:27:55; | Dark | ; | 46.5; | 18;  | 24Alp   | PsA | ; | 1.17;  | 9700;  | occ; | 93;  | 0; | 32246 |
| 20; | 5670.3; | 30-APR-2008 | 20:30:02; | Dark | ; | 59.5; | 0;   |         |     | ; | 0.00;  | 0;     | occ; | 119; | 0; | 32246 |
| 21; | 5889.6; | 30-APR-2008 | 20:33:41; | Dark | ; | 41.5; | 31;  | Alp     | Gru | ; | 1.73;  | 15200; | occ; | 83;  | 0; | 32246 |
| 22; | 6046.4; | 30-APR-2008 | 20:36:18; | Dark | ; | 37.0; | 148; | Alp     | Tuc | ; | 2.88;  | 4100;  | occ; | 74;  | 0; | 32246 |
| 23; | 6614.1; | 30-APR-2008 | 20:45:46; | Dark | ; | 38.0; | 43;  | Alp     | TrA | ; | 1.91;  | 4250;  | occ; | 76;  | 0; | 32246 |
| 24; | 6746.0; | 30-APR-2008 | 20:47:58; | Dark | ; | 36.5; | 134; | Bet     | TrA | ; | 2.81;  | 6600;  | occ; | 73;  | 0; | 32246 |
| 25; | 6869.3; | 30-APR-2008 | 20:50:01; | Dark | ; | 43.5; | 4;   | Alp1Cen |     | ; | -0.01; | 5800;  | occ; | 87;  | 0; | 32246 |
| 26; | 6961.2; | 30-APR-2008 | 20:51:33; | Dark | ; | 38.5; | 20;  | Bet     | Cru | ; | 1.25;  | 30000; | occ; | 77;  | 0; | 32246 |