

# GOMOS Daily Report 15-NOV-2004

Due to acquisition failures on the operational chain, most of the PDHS-E level 0 data are corrupted since 12 November 2004 20:08, orbit 14139 until 16 November 19:43, orbit 14196. A [recovery](#) of data was put in place.

## Level 0 and Level 1 products

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### 1. General Info

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 | 17NOV2004 05:01:40 |

|                         |   |
|-------------------------|---|
| Data source version     | GOMOS/4.02                                    |
| Start time of products  | QDS_YESTERDAY(/START)-1D (15NOV2004 00:00:00) |
| Stop time of products   | QDS_YESTERDAY(/STOP)-1D (16NOV2004 00:00:00)  |
| Store outputs flag      | 1   |
| Nb of level 1b prods    | 50  |
| Nb of prods with errors | 0   |

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

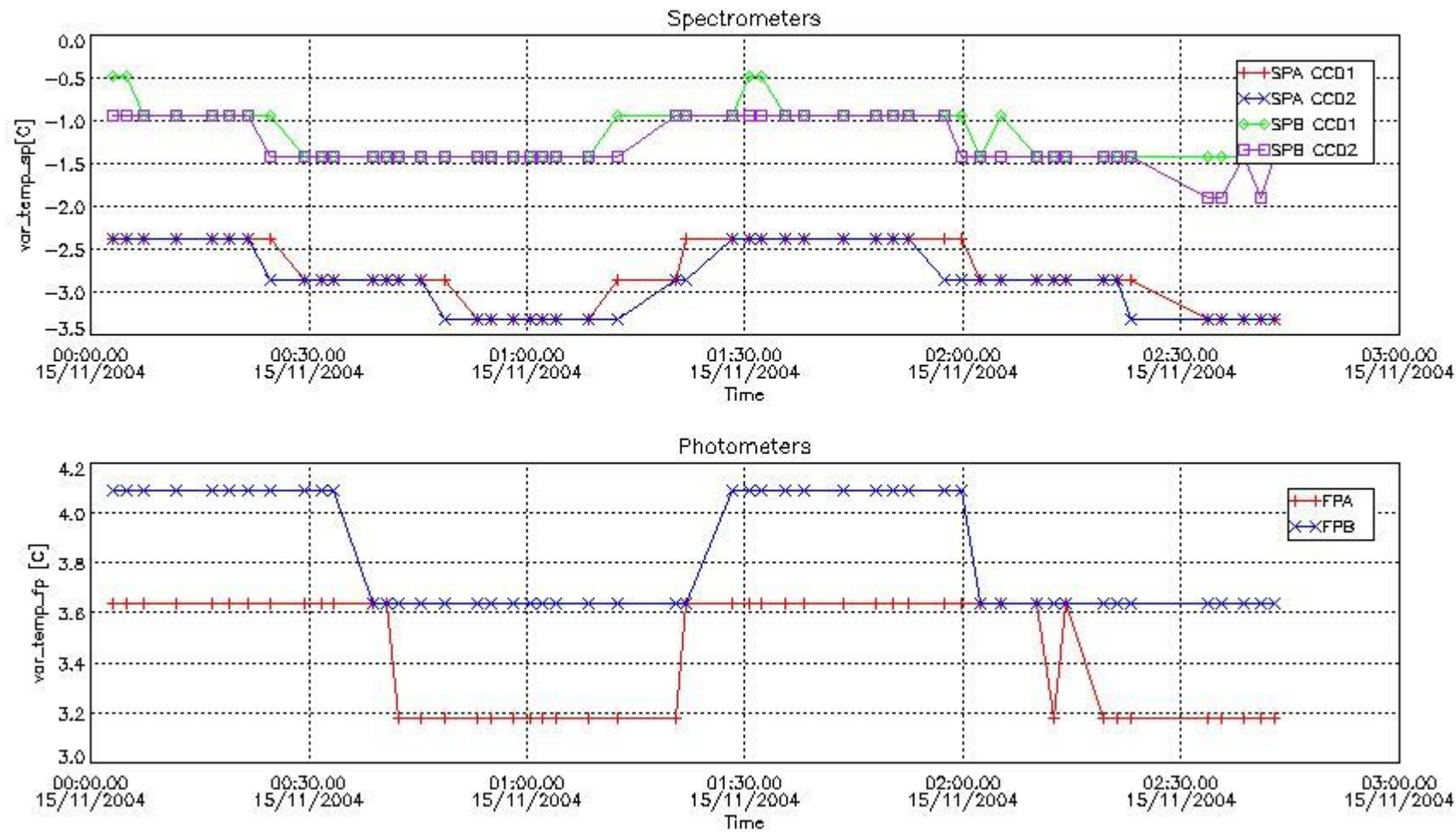
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

| Filename   | UTC Start time       | Limb     | Duration | Star Id | Star Name | Star Mag  | Star Temp | Nb Meas | Orbit | Prod. error |
|--|----------------------|----------|----------|---------|-----------|-----------|-----------|---------|-------|-------------|
| GOM_TRA_1PNPDE20041115_000257_000000572032_00088_14170_0007.N1 | 15-NOV-2004 00:02:57 | Dark     | 57.000   | 2       | Alp Car   | -0.73600  | 7000.0    | 114     | 14170 | No          |
| GOM_TRA_1PNPDE20041115_000459_000000852032_00088_14170_0008.N1 | 15-NOV-2004 00:04:59 | Dark     | 84.500   | 88      | 31Eta CMa | 2.4480    | 20000.    | 169     | 14170 | No          |
| GOM_TRA_1PNPDE20041115_000717_000000852032_00088_14170_0009.N1 | 15-NOV-2004 00:07:17 | Dark     | 84.500   | 23      | 21Eps CMa | 1.5020    | 26000.    | 169     | 14170 | No          |
| GOM_TRA_1PNPDE20041115_001144_000000412032_00088_14170_0011.N1 | 15-NOV-2004 00:11:44 | Dark     | 41.000   | 157     | The1Eri   | 2.9060    | 9300.0    | 82      | 14170 | No          |
| GOM_TRA_1PNPDE20041115_001646_000000742032_00088_14170_0012.N1 | 15-NOV-2004 00:16:46 | Twilight | 73.500   | 101     | 11Alp Lep | 2.5820    | 7000.0    | 147     | 14170 | No          |
| GOM_TRA_1PNPDE20041115_001905_000000532032_00088_14170_0013.N1 | 15-NOV-2004 00:19:05 | Bright   | 53.000   | 165     | 34Gam Eri | 2.9500    | 3200.0    | 106     | 14170 | No          |
| GOM_TRA_1PNPDE20041115_002142_000000982032_00088_14170_0014.N1 | 15-NOV-2004 00:21:42 | Bright   | 97.500   | 7       | 19Bet Ori | 0.10000   | 14000.    | 195     | 14170 | No          |
| GOM_TRA_1PNPDE20041115_002440_000000512032_00088_14170_0015.N1 | 15-NOV-2004 00:24:40 | Bright   | 50.500   | 94      | 92Alp Cet | 2.5260    | 3100.0    | 101     | 14170 | No          |
| GOM_TRA_1PNPDE20041115_002928_000000372032_00088_14170_0016.N1 | 15-NOV-2004 00:29:28 | Bright   | 37.000   | 105     | 6Bet Ari  | 2.6450    | 8900.0    | 74      | 14170 | No          |
| GOM_TRA_1PNPDE20041115_003145_000000472032_00088_14170_0017.N1 | 15-NOV-2004 00:31:45 | Bright   | 46.500   | 146     | 25Eta Tau | 2.8730    | 15200.    | 93      | 14170 | No          |
| GOM_TRA_1PNPDE20041115_003328_000000382032_00088_14170_0018.N1 | 15-NOV-2004 00:33:28 | Bright   | 38.000   | 173     | 4Bet Tri  | 3.0040    | 8900.0    | 76      | 14170 | No          |
| GOM_TRA_1PNPDE20041115_003842_000000402032_00088_14170_0019.N1 | 15-NOV-2004 00:38:42 | Bright   | 39.500   | 35      | 33Alp Per | 1.7950    | 6250.0    | 79      | 14170 | No          |
| GOM_TRA_1PNPDE20041115_004035_000000372032_00088_14170_0020.N1 | 15-NOV-2004 00:40:35 | Bright   | 36.500   | 110     | 37Del Cas | 2.6780    | 8900.0    | 73      | 14170 | No          |
| GOM_TRA_1PNPDE20041115_004225_000000582032_00088_14170_0021.N1 | 15-NOV-2004 00:42:25 | Bright   | 57.500   | 6       | 13Alp Aur | 0.080000  | 3400.0    | 115     | 14170 | No          |
| GOM_TRA_1PNPDE20041115_004530_000000612032_00088_14170_0022.N1 | 15-NOV-2004 00:45:30 | Bright   | 61.000   | 42      | 34Bet Aur | 1.9000    | 10200.    | 122     | 14170 | No          |
| GOM_TRA_1PNPDE20041115_004847_000000362032_00088_14170_0023.N1 | 15-NOV-2004 00:48:47 | Bright   | 36.000   | 49      | 1Alp UMi  | 1.9900    | 6300.0    | 72      | 14170 | No          |
| GOM_TRA_1PNPDE20041115_005308_000000392032_00088_14170_0024.N1 | 15-NOV-2004 00:53:08 | Bright   | 38.500   | 60      | 7Bet UMi  | 2.0810    | 3950.0    | 77      | 14170 | No          |
| GOM_TRA_1PNPDE20041115_005459_000000382032_00088_14170_0025.N1 | 15-NOV-2004 00:54:59 | Bright   | 38.000   | 119     | 14Eta Dra | 2.7270    | 4700.0    | 76      | 14170 | No          |
| GOM_TRA_1PNPDE20041115_005805_000000422032_00088_14170_0026.N1 | 15-NOV-2004 00:58:05 | Bright   | 41.500   | 82      | 48Bet UMa | 2.3650    | 10600.    | 83      | 14170 | No          |
| GOM_TRA_1PNPDE20041115_010024_000000382032_00088_14170_0027.N1 | 15-NOV-2004 01:00:24 | Bright   | 37.500   | 39      | 85Eta UMa | 1.8540    | 24000.    | 75      | 14170 | No          |
| GOM_TRA_1PNPDE20041115_010208_000000452032_00088_14170_0028.N1 | 15-NOV-2004 01:02:08 | Bright   | 45.000   | 174     | 52Psi UMa | 3.0040    | 4400.0    | 90      | 14170 | No          |
| GOM_TRA_1PNPDE20041115_010353_000000372032_00088_14170_0029.N1 | 15-NOV-2004 01:03:53 | Bright   | 36.500   | 152     | 12Alp2CVn | 2.8900    | 11000.    | 73      | 14170 | No          |
| GOM_TRA_1PNPDE20041115_010831_000000342032_00088_14170_0030.N1 | 15-NOV-2004 01:08:31 | Bright   | 34.000   | 3       | 16Alp Boo | -0.050000 | 4250.0    | 68      | 14170 | No          |
| GOM_TRA_1PNPDE20041115_011224_000000962032_00088_14170_0031.N1 | 15-NOV-2004 01:12:24 | Bright   | 95.500   | 166     | 17Eps Leo | 2.9800    | 6000.0    | 191     | 14170 | No          |
| GOM_TRA_1PNPDE20041115_012027_000000442032_00088_14170_0000.N1 | 15-NOV-2004 01:20:27 | Twilight | 43.500   | 100     | 4Gam Crv  | 2.5800    | 13100.    | 87      | 14170 | No          |
| GOM_TRA_1PNPDE20041115_012158_000000452032_00088_14170_0001.N1 | 15-NOV-2004 01:21:58 | Twilight | 44.500   | 171     | 2Eps Crv  | 3.0010    | 4250.0    | 89      | 14170 | No          |
| GOM_TRA_1PNPDE20041115_012814_000000412032_00088_14170_0002.N1 | 15-NOV-2004 01:28:14 | Dark     | 41.000   | 64      | Gam Cen   | 2.2000    | 10600.    | 82      | 14170 | No          |
| GOM_TRA_1PNPDE20041115_013031_000000442032_00088_14170_0003.N1 | 15-NOV-2004 01:30:31 | Dark     | 43.500   | 26      | Gam Cru   | 1.6240    | 2900.0    | 87      | 14170 | No          |
| GOM_TRA_1PNPDE20041115_013209_000000422032_00088_14170_0004.N1 | 15-NOV-2004 01:32:09 | Dark     | 42.000   | 12      | Alp1Cru   | 0.77500   | 30000.    | 84      | 14170 | No          |
| GOM_TRA_1PNPDE20041115_013525_000000442032_00089_14171_0005.N1 | 15-NOV-2004 01:35:25 | Dark     | 43.500   | 91      | Kap Vel   | 2.4900    | 26000.    | 87      | 14171 | No          |
| GOM_TRA_1PNPDE20041115_013804_000000452032_00089_14171_0006.N1 | 15-NOV-2004 01:38:04 | Dark     | 45.000   | 41      | Eps Car   | 1.8600    | 4100.0    | 90      | 14171 | No          |
| GOM_TRA_1PNPDE20041115_014334_000000512032_00089_14171_0007.N1 | 15-NOV-2004 01:43:34 | Dark     | 51.000   | 2       | Alp Car   | -0.73600  | 7000.0    | 102     | 14171 | No          |
| GOM_TRA_1PNPDE20041115_014754_000000872032_00089_14171_0009.N1 | 15-NOV-2004 01:47:54 | Dark     | 86.500   | 23      | 21Eps CMa | 1.5020    | 26000.    | 173     | 14171 | No          |
| GOM_TRA_1PNPDE20041115_015017_000000532032_00089_14171_0010.N1 | 15-NOV-2004 01:50:17 | Dark     | 52.500   | 108     | Alp Col   | 2.6520    | 15200.    | 105     | 14171 | No          |
| GOM_TRA_1PNPDE20041115_015221_000000402032_00089_14171_0011.N1 | 15-NOV-2004 01:52:21 | Dark     | 40.000   | 157     | The1Eri   | 2.9060    | 9300.0    | 80      | 14171 | No          |
| GOM_TRA_1PNPDE20041115_015722_000000762032_00089_14171_0012.N1 | 15-NOV-2004 01:57:22 | Twilight | 75.500   | 101     | 11Alp Lep | 2.5820    | 7000.0    | 151     | 14171 | No          |
| GOM_TRA_1PNPDE20041115_015941_000000542032_00089_14171_0013.N1 | 15-NOV-2004 01:59:41 | Bright   | 54.000   | 165     | 34Gam Eri | 2.9500    | 3200.0    | 108     | 14171 | No          |
| GOM_TRA_1PNPDE20041115_020218_000000972032_00089_14171_0014.N1 | 15-NOV-2004 02:02:18 | Bright   | 96.500   | 7       | 19Bet Ori | 0.10000   | 14000.    | 193     | 14171 | No          |
| GOM_TRA_1PNPDE20041115_020516_000000492032_00089_14171_0015.N1 | 15-NOV-2004 02:05:16 | Bright   | 48.500   | 94      | 92Alp Cet | 2.5260    | 3100.0    | 97      | 14171 | No          |
| GOM_TRA_1PNPDE20041115_021005_000000392032_00089_14171_0016.N1 | 15-NOV-2004 02:10:05 | Bright   | 38.500   | 105     | 6Bet Ari  | 2.6450    | 8900.0    | 77      | 14171 | No          |
| GOM_TRA_1PNPDE20041115_021221_000000442032_00089_14171_0017.N1 | 15-NOV-2004 02:12:21 | Bright   | 44.000   | 146     | 25Eta Tau | 2.8730    | 15200.    | 88      | 14171 | No          |
| GOM_TRA_1PNPDE20041115_021405_000000372032_00089_14171_0018.N1 | 15-NOV-2004 02:14:05 | Bright   | 36.500   | 173     | 4Bet Tri  | 3.0040    | 8900.0    | 73      | 14171 | No          |
| GOM_TRA_1PNPDE20041115_021918_000000422032_00089_14171_0019.N1 | 15-NOV-2004 02:19:18 | Bright   | 41.500   | 35      | 33Alp Per | 1.7950    | 6250.0    | 83      | 14171 | No          |
| GOM_TRA_1PNPDE20041115_022111_000000902032_00089_14171_0020.N1 | 15-NOV-2004 02:21:11 | Bright   | 90.000   | 110     | 37Del Cas | 2.6780    | 8900.0    | 180     | 14171 | No          |
| GOM_TRA_1PNPDE20041115_022300_000000612032_00089_14171_0021.N1 | 15-NOV-2004 02:23:00 | Bright   | 61.000   | 6       | 13Alp Aur | 0.080000  | 3400.0    | 122     | 14171 | No          |
| GOM_TRA_1PNPDE20041115_023344_000000392032_00089_14171_0000.N1 | 15-NOV-2004 02:33:44 | Bright   | 39.000   | 60      | 7Bet UMi  | 2.0810    | 3950.0    | 78      | 14171 | No          |

|  |                      |        |        |     |           |        |        |    |       |    |
|--|----------------------|--------|--------|-----|-----------|--------|--------|----|-------|----|
| GOM_TRA_1PNPDE20041115_023536_000000382032_00089_14171_0001.N1 | 15-NOV-2004 02:35:36 | Bright | 37.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 75 | 14171 | No |
| GOM_TRA_1PNPDE20041115_023841_000000442032_00089_14171_0002.N1 | 15-NOV-2004 02:38:41 | Bright | 43.500 | 82  | 48Bet UMa | 2.3650 | 10600. | 87 | 14171 | No |
| GOM_TRA_1PNPDE20041115_024101_000000382032_00089_14171_0003.N1 | 15-NOV-2004 02:41:01 | Bright | 37.500 | 39  | 85Eta UMa | 1.8540 | 24000. | 75 | 14171 | No |
| GOM_TRA_1PNPDE20041115_024244_000000492032_00089_14171_0004.N1 | 15-NOV-2004 02:42:44 | Bright | 49.000 | 174 | 52Psi UMa | 3.0040 | 4400.0 | 98 | 14171 | No |

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



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

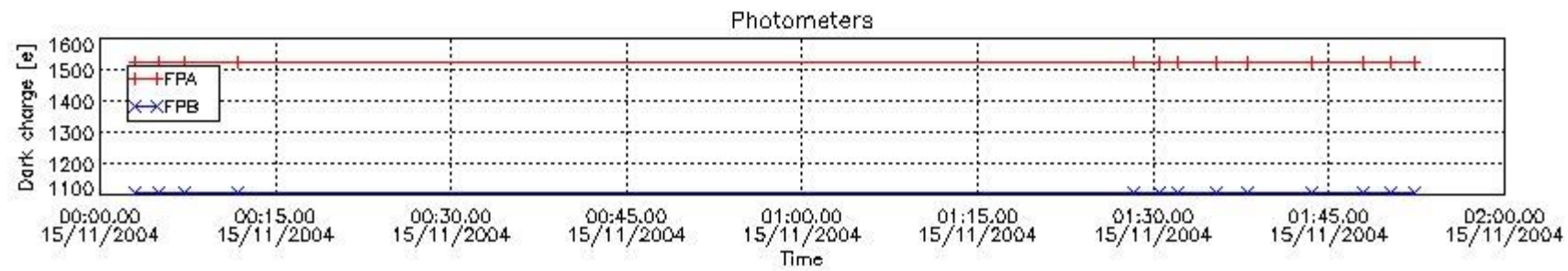
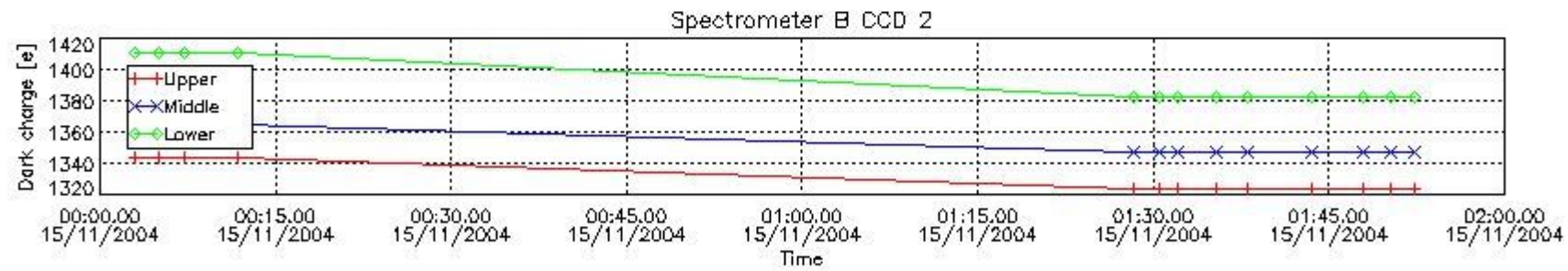
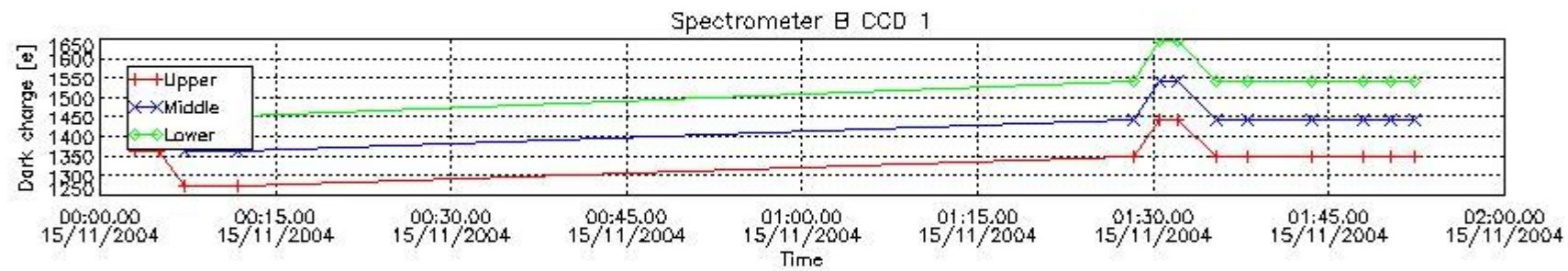
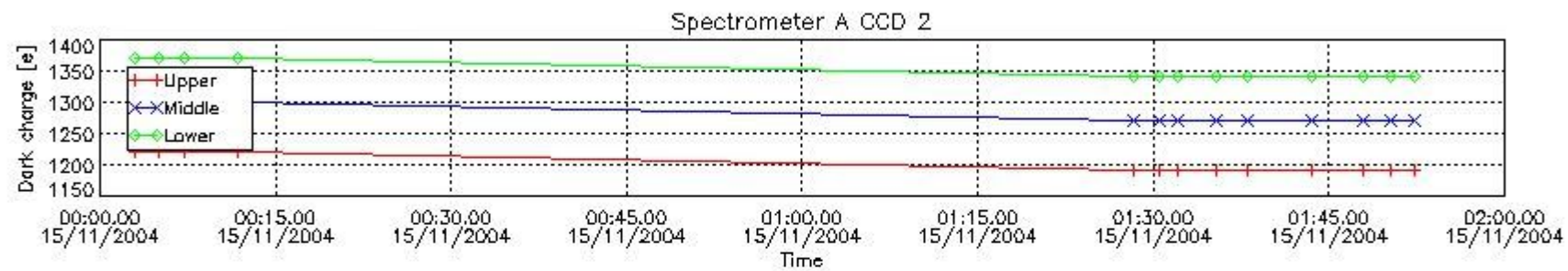
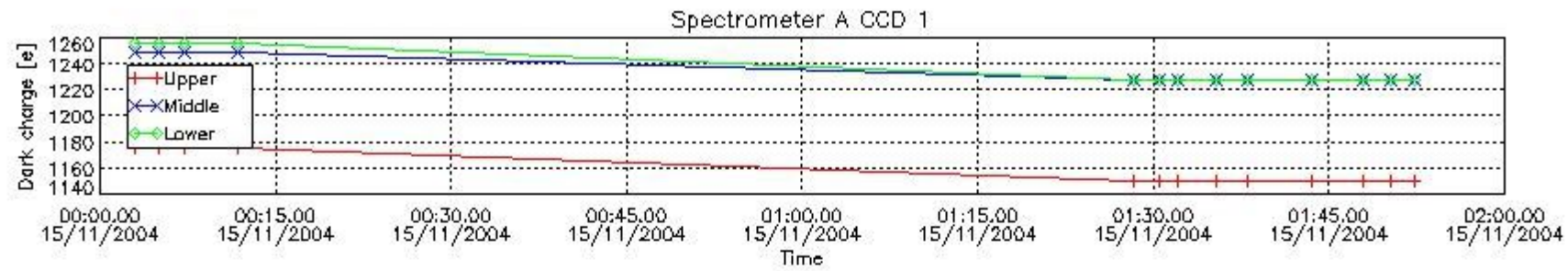
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount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





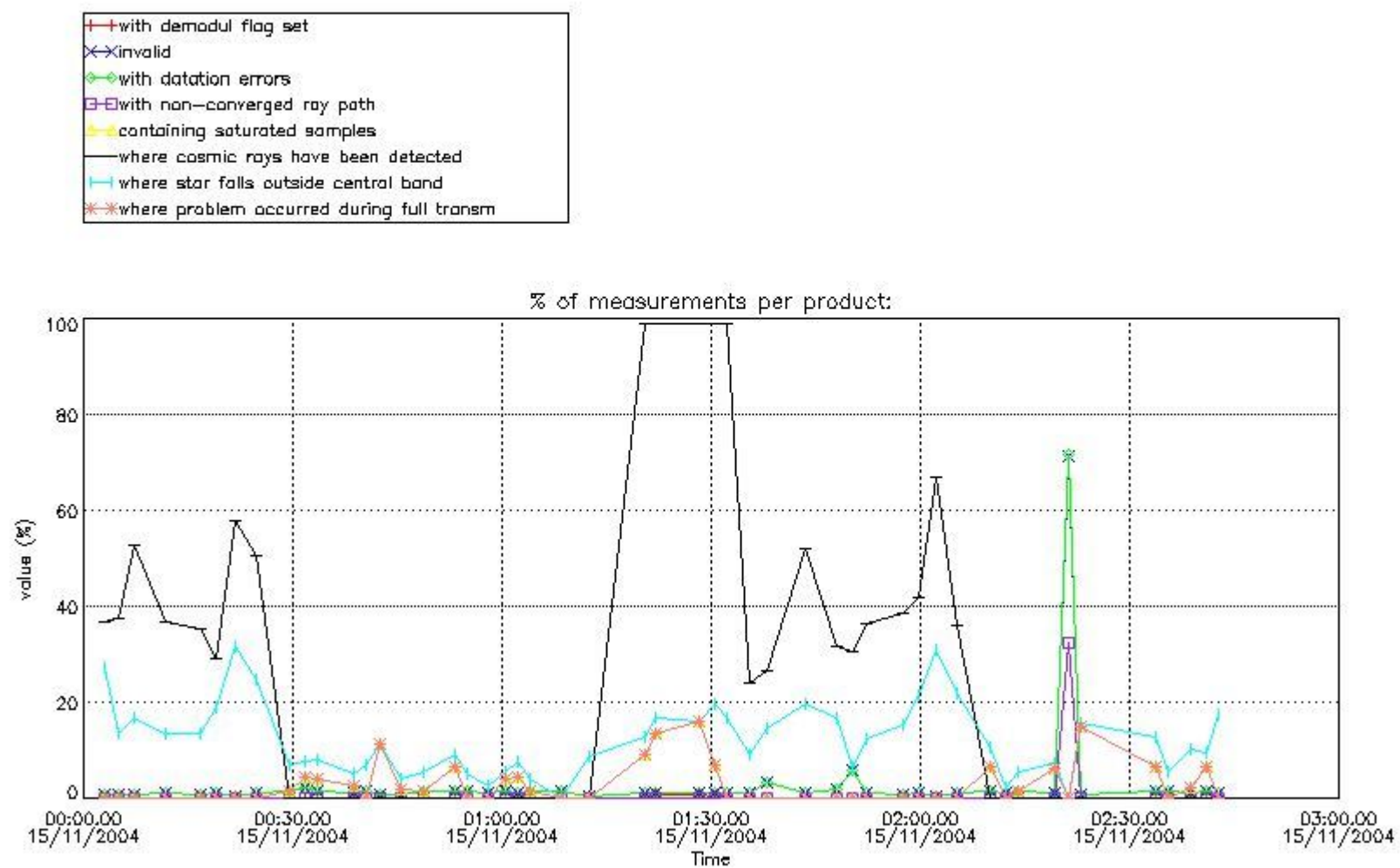
## 5. Demodulation flag and quality information monitoring

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:

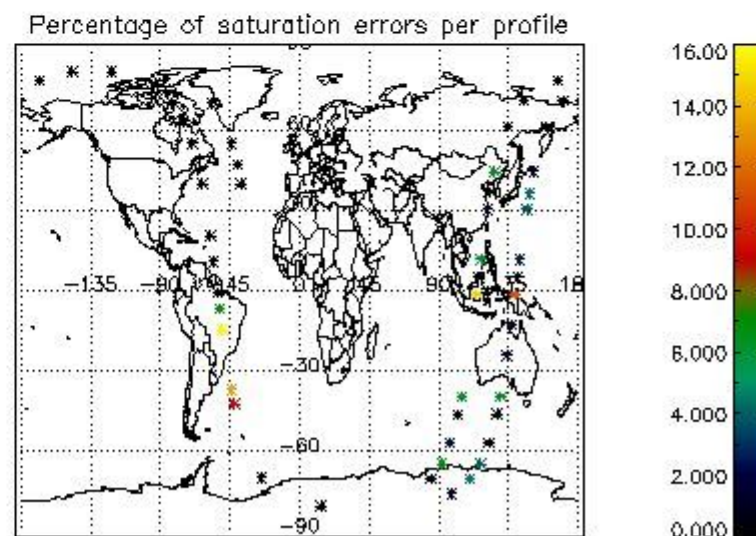
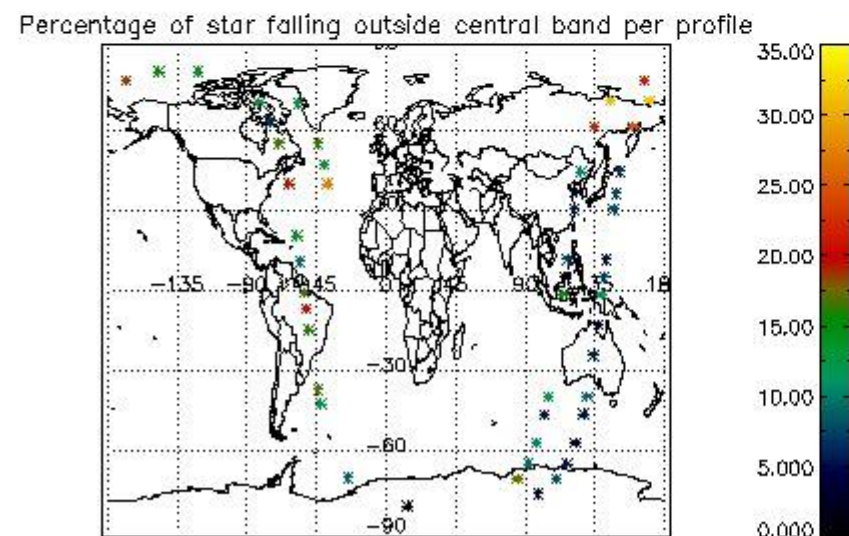
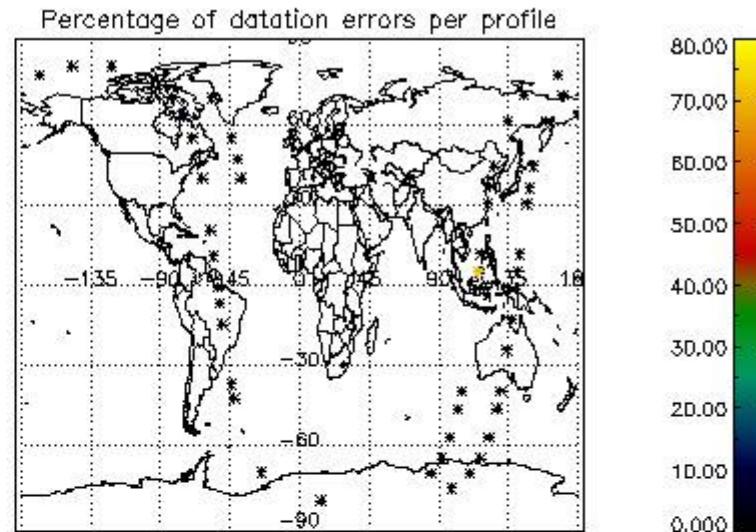
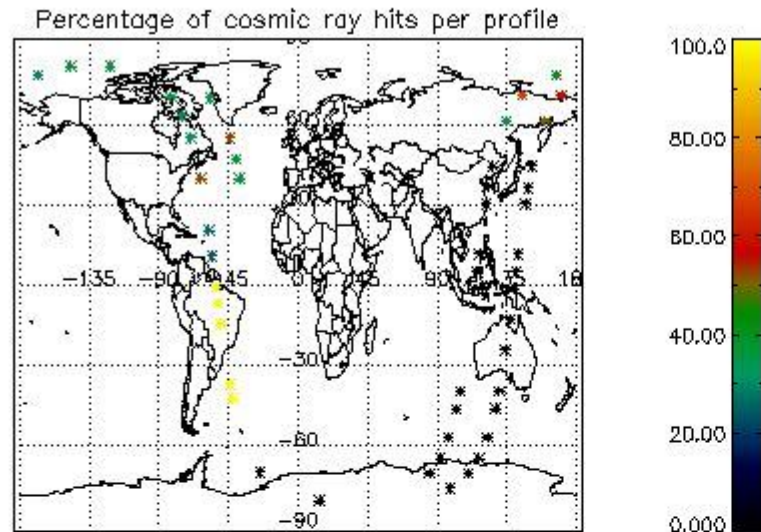
|   |           |
|---|-----------|
| At least one measurement with demodulation flag set:  | 30.0000 % |
| Reference spectrum computed from DB:                  | 0.00000 % |
| Reference spectrum with small number of measurements: | 0.00000 % |
| SATU data not used:                                   | 0.00000 % |

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



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





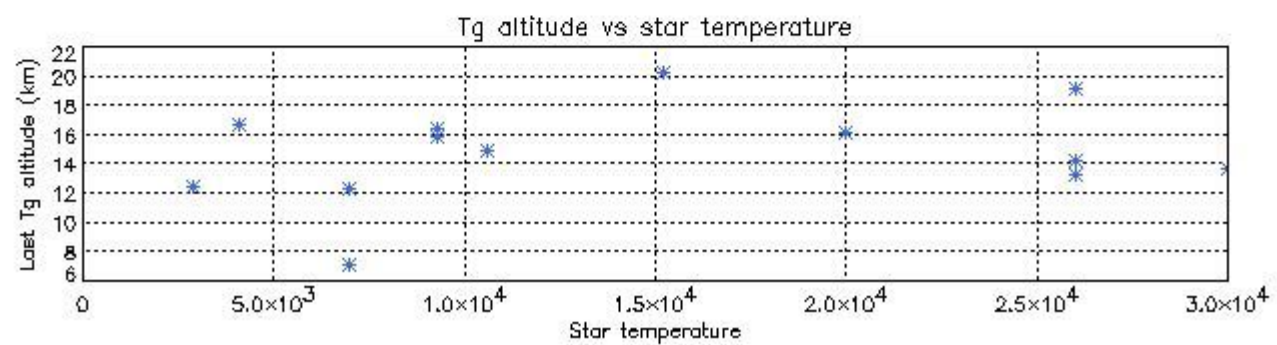
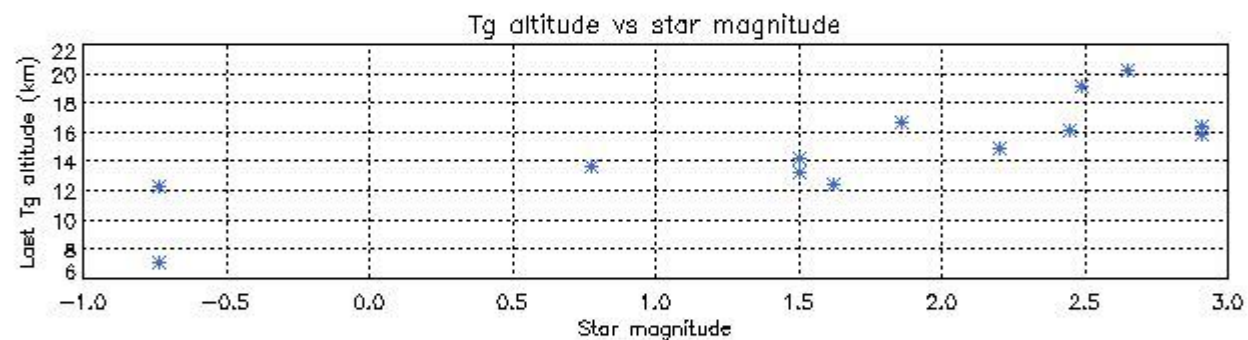
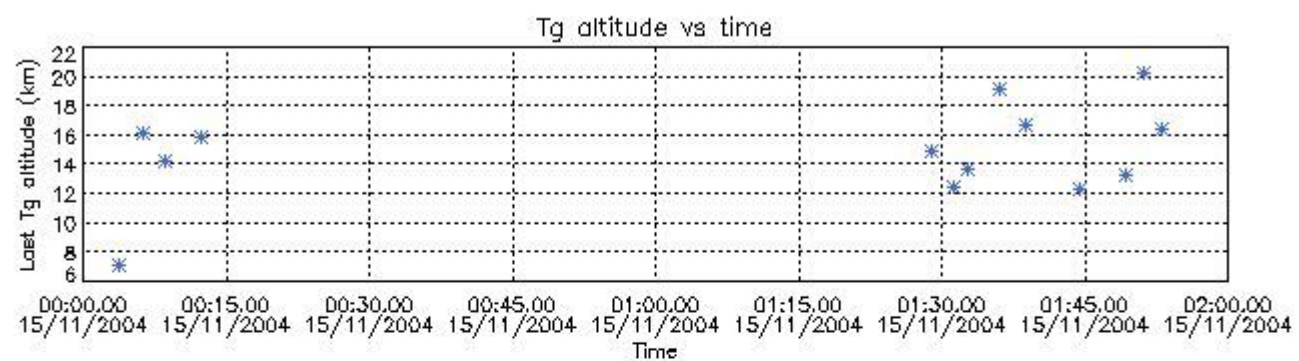
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

| Statistics      | DARK   | BRIGHT | TWILIGHT |
|-----------------|--------|--------|----------|
| Mean:           | 14.783 | 19.630 | 14.159   |
| St. deviation:  | 3.3191 | 8.0574 | 0.80776  |
| Maximum:        | 20.230 | 53.028 | 14.960   |
| Minimum:        | 7.1324 | 6.0028 | 13.411   |
| Number of data: | 13.000 | 33.000 | 4.0000   |

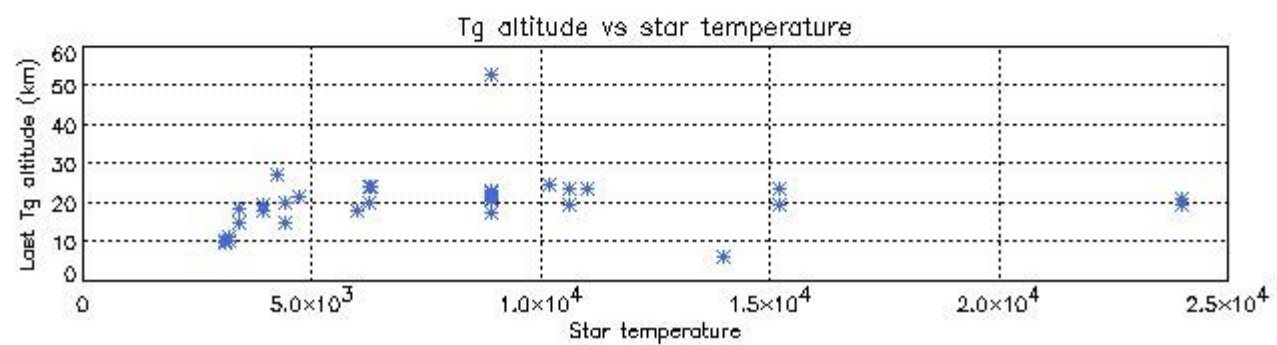
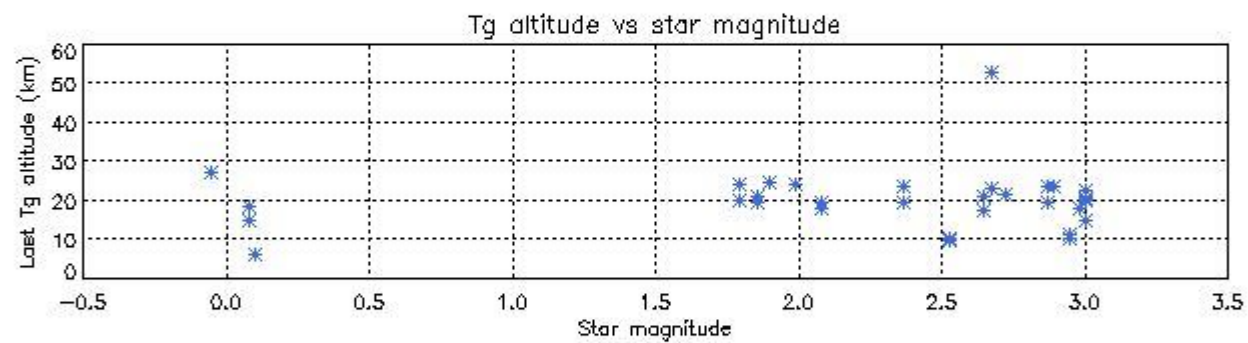
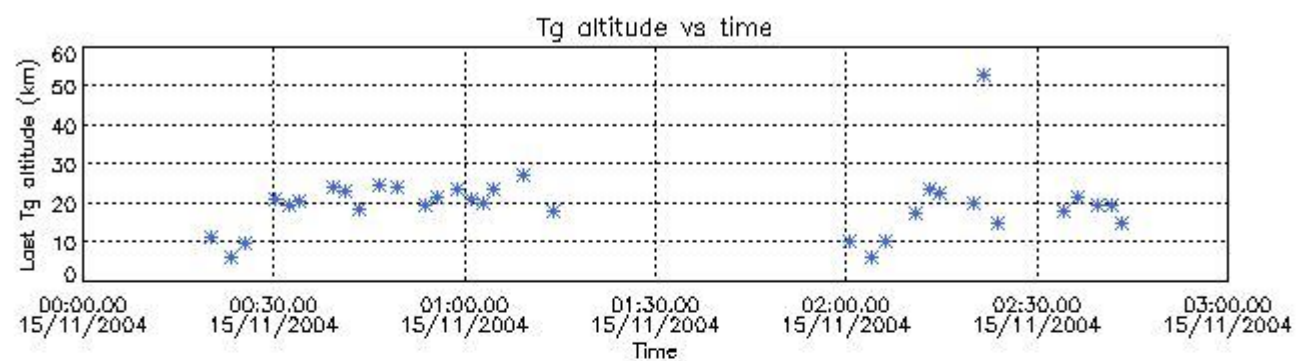
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

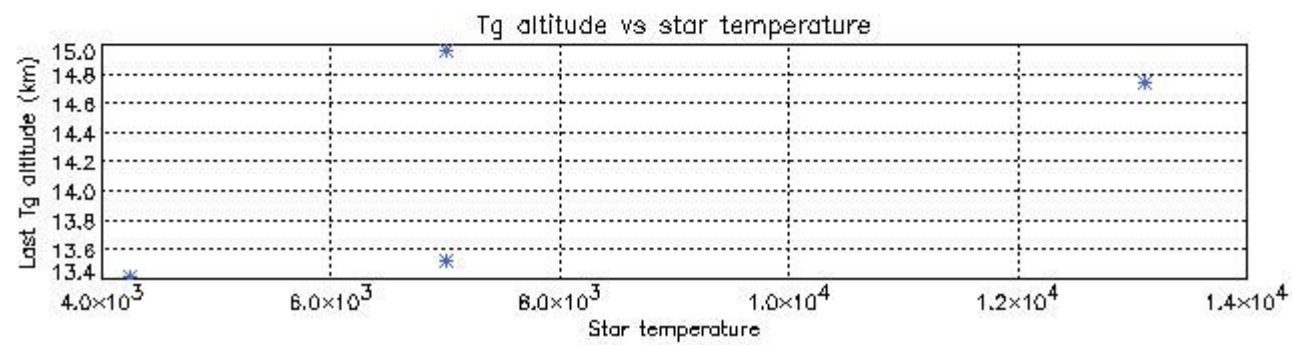
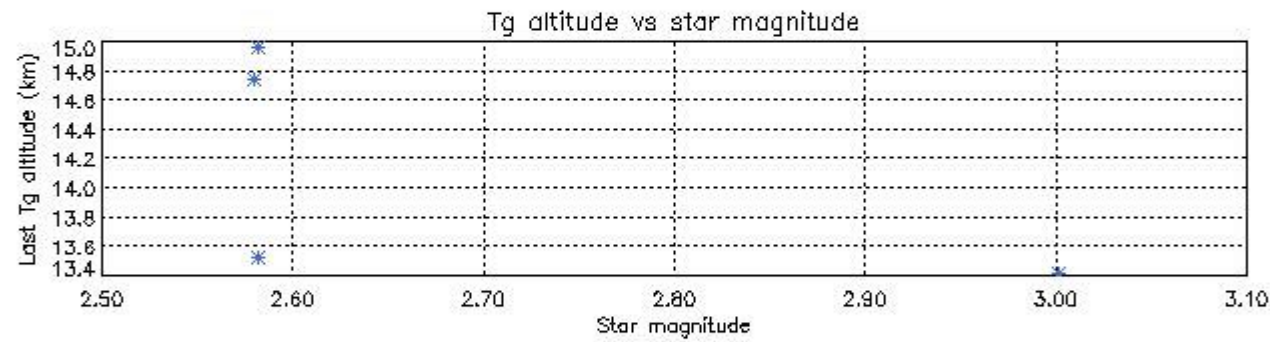
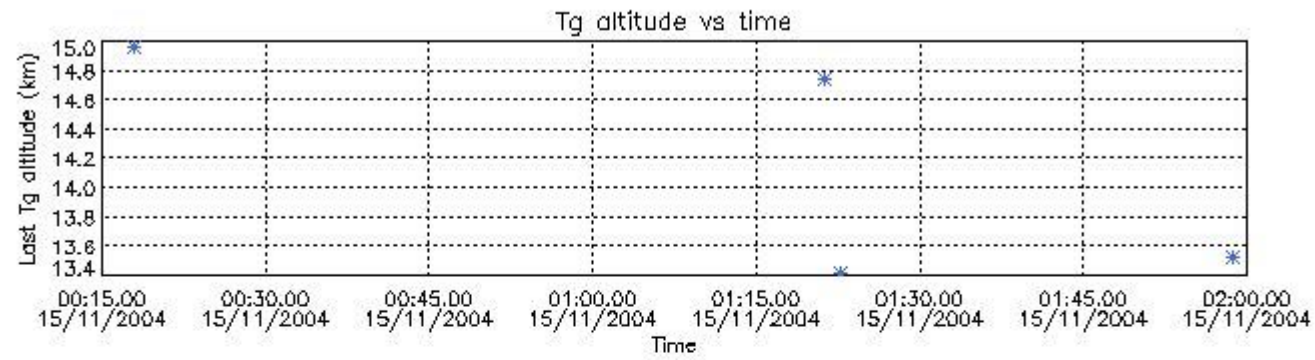
Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products



## Tangent altitude at which the star is lost

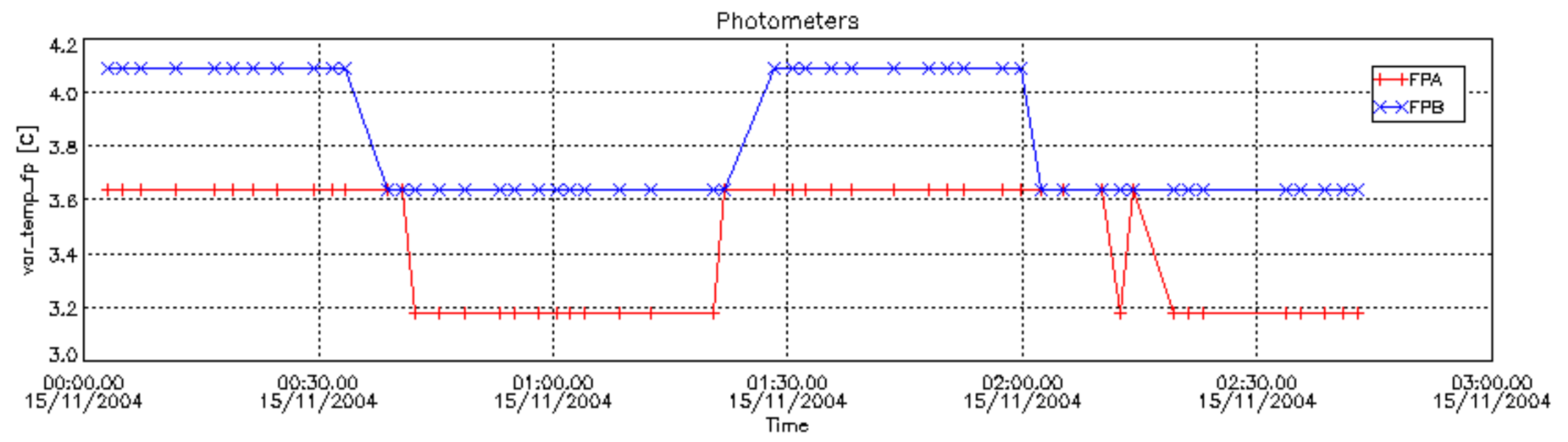
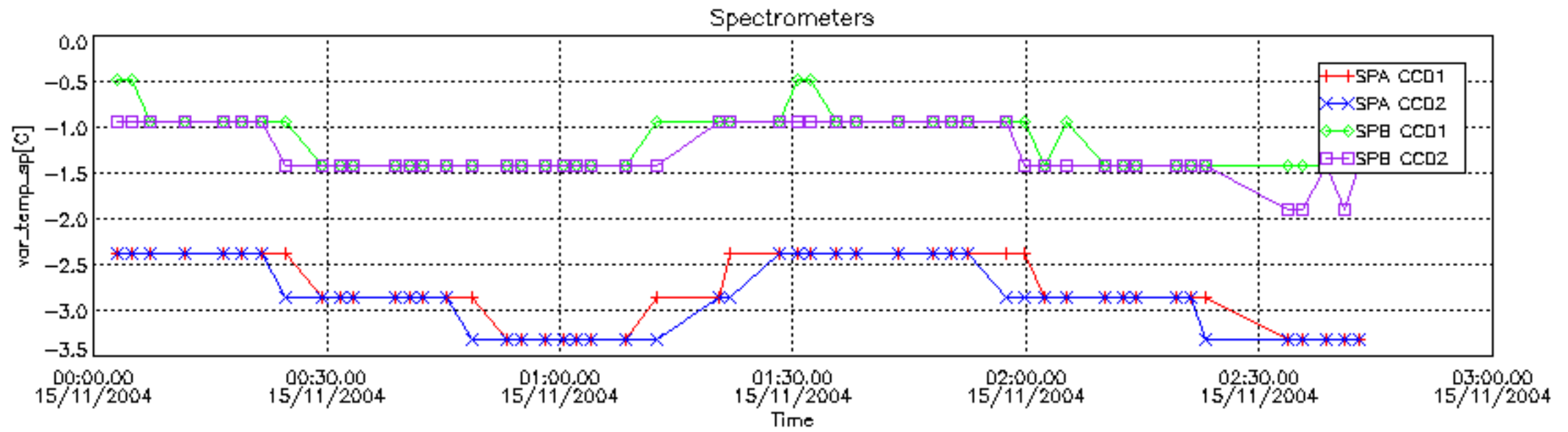


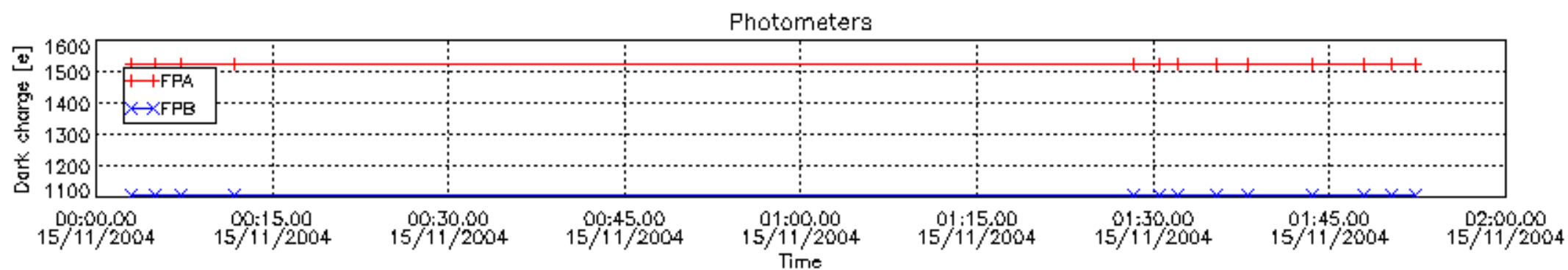
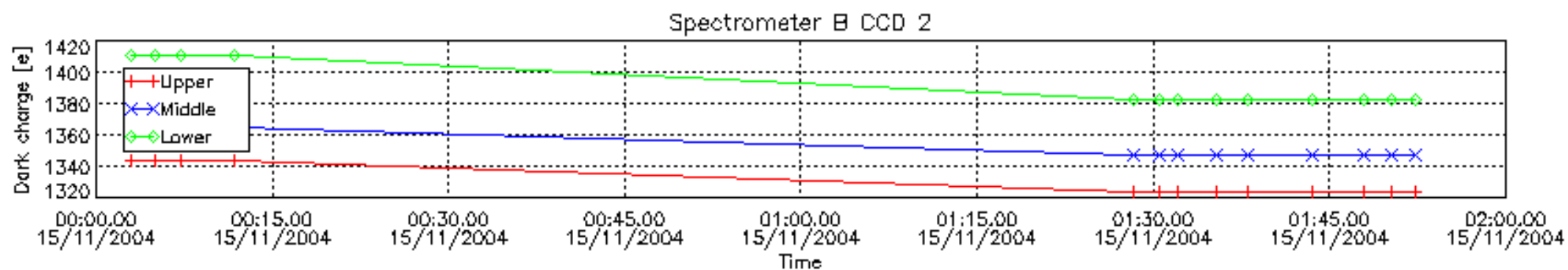
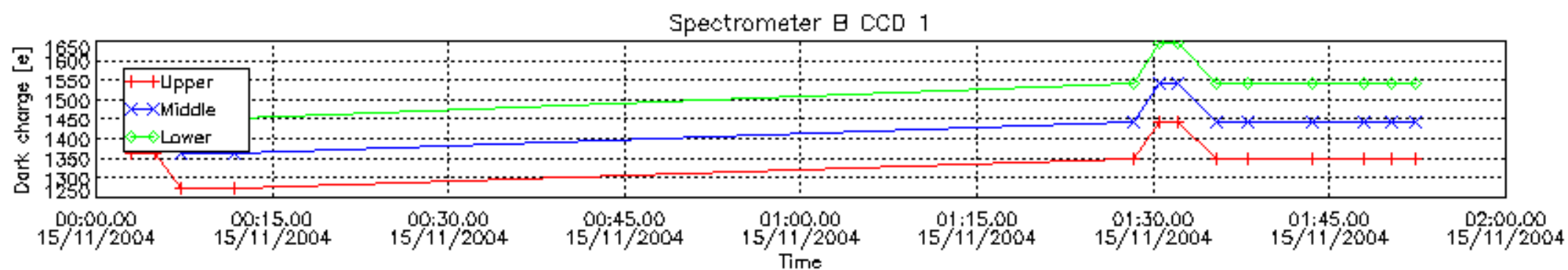
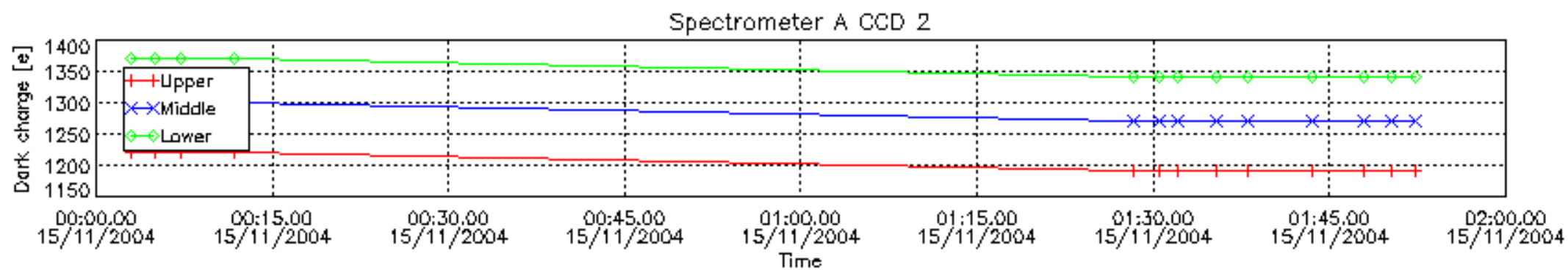
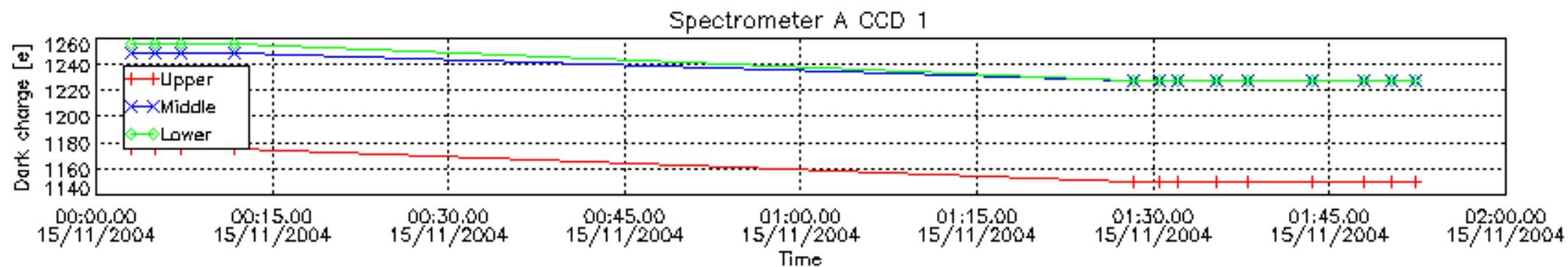
## 7. Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

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 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.

| Statistics      | SATU X (D) | SATU Y (D) | SATU X (B) | SATU Y (B) |
|-----------------|------------|------------|------------|------------|
| Mean:           | 1462.1     | 1447.5     | 1461.8     | 1448.2     |
| St. deviation:  | 5.2927     | 9.9823     | 12.205     | 14.238     |
| Maximum:        | 1494.0     | 3497.0     | 3514.0     | 3492.0     |
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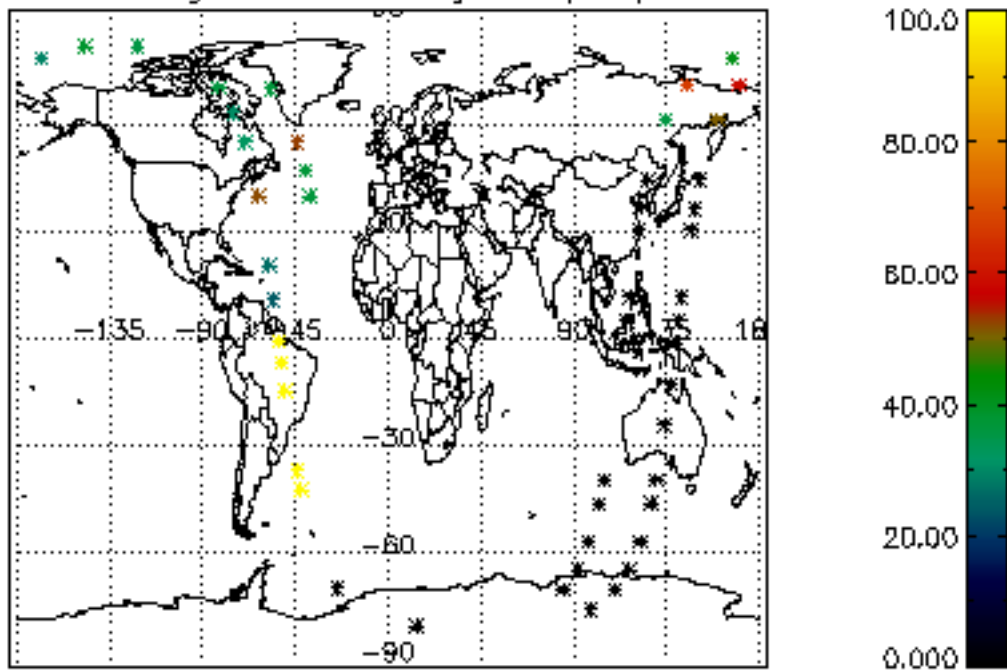




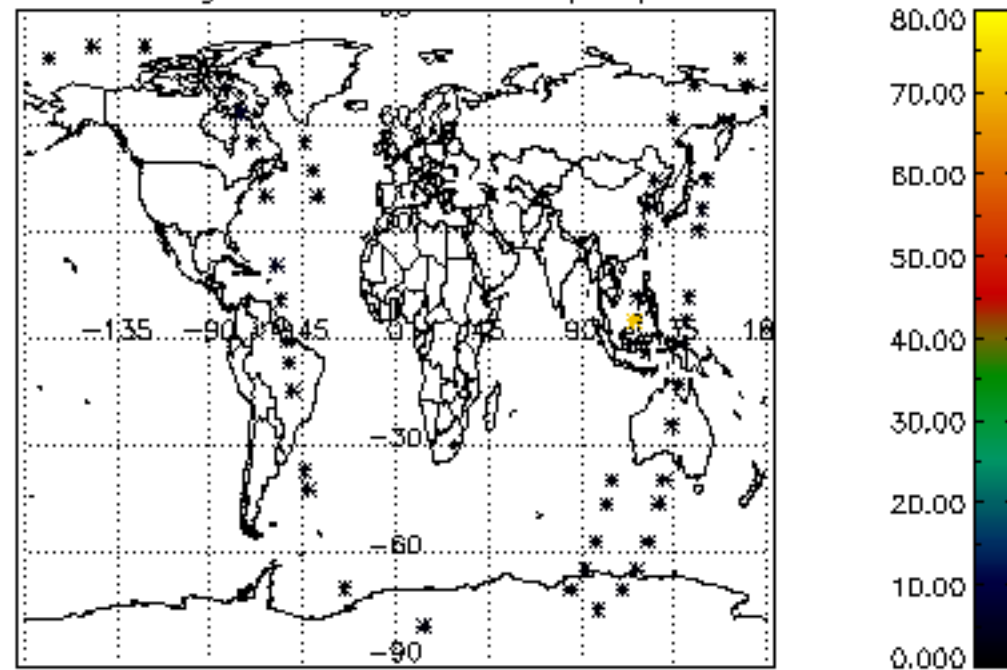




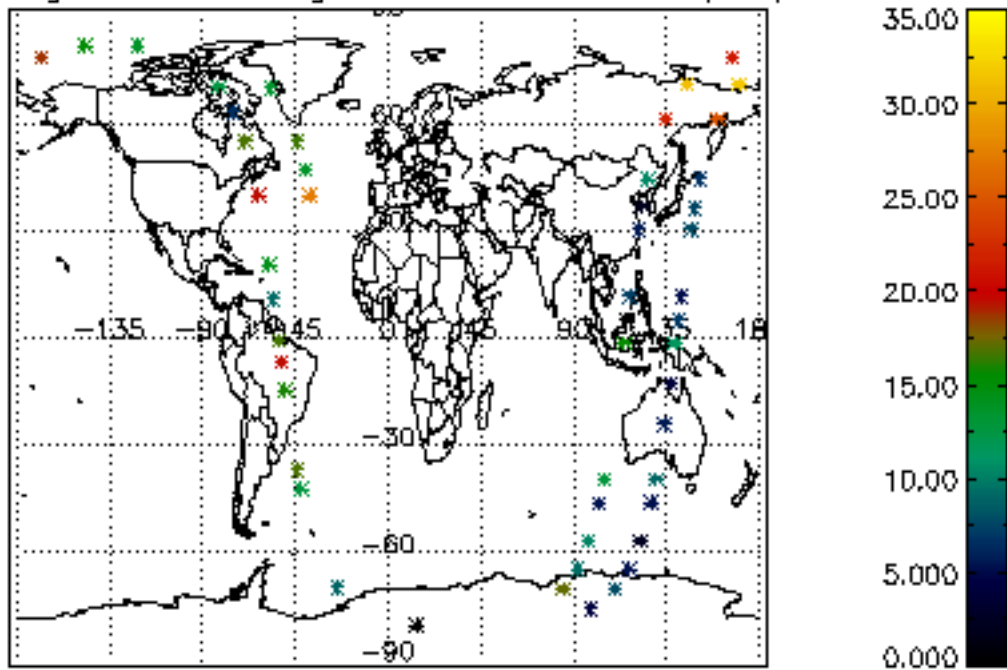
Percentage of cosmic ray hits per profile



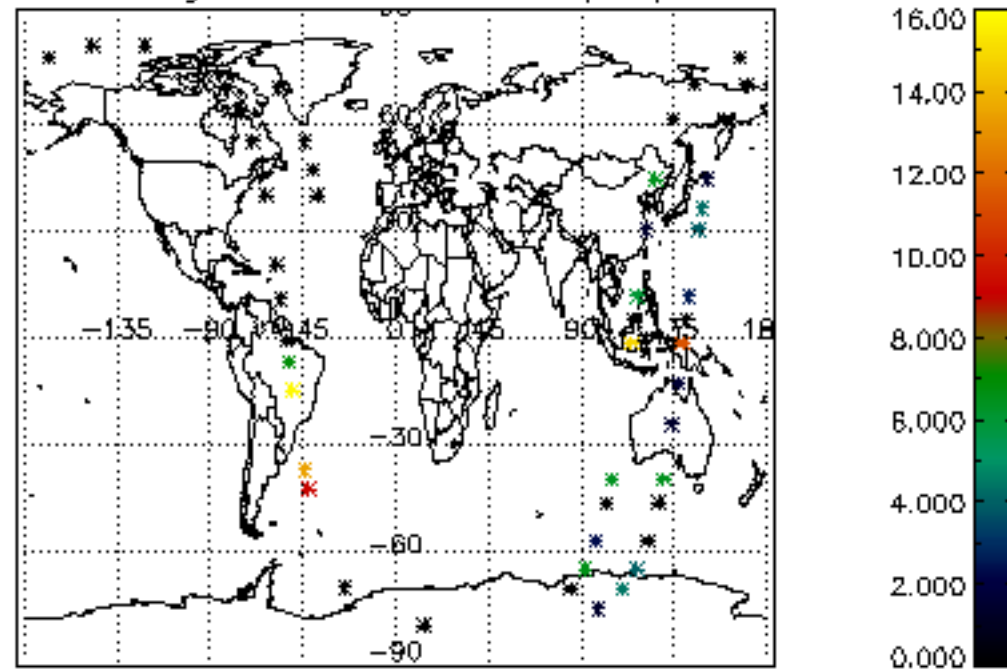
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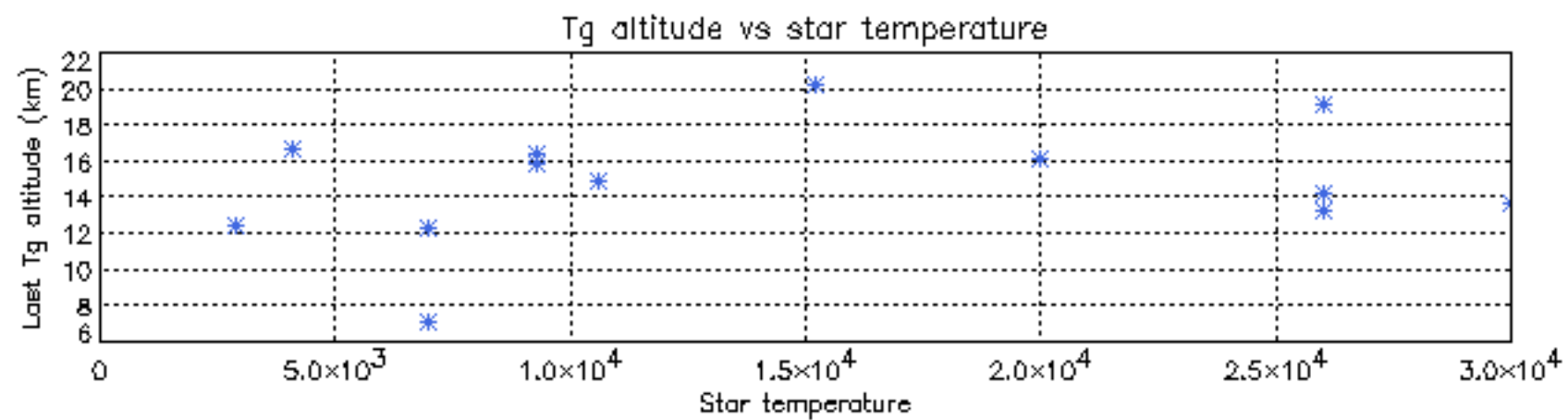
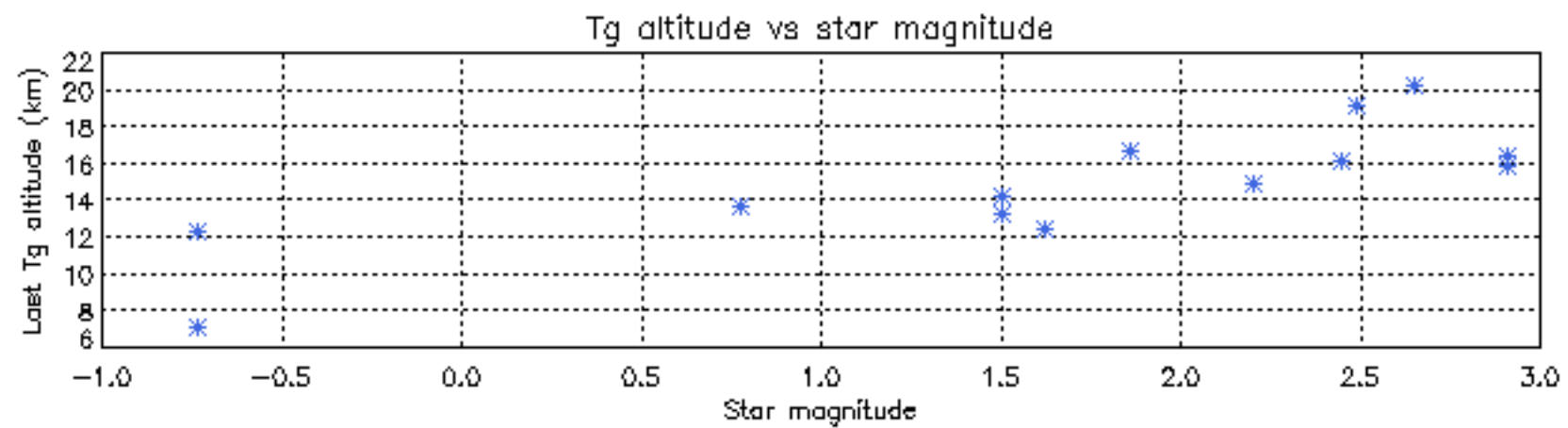
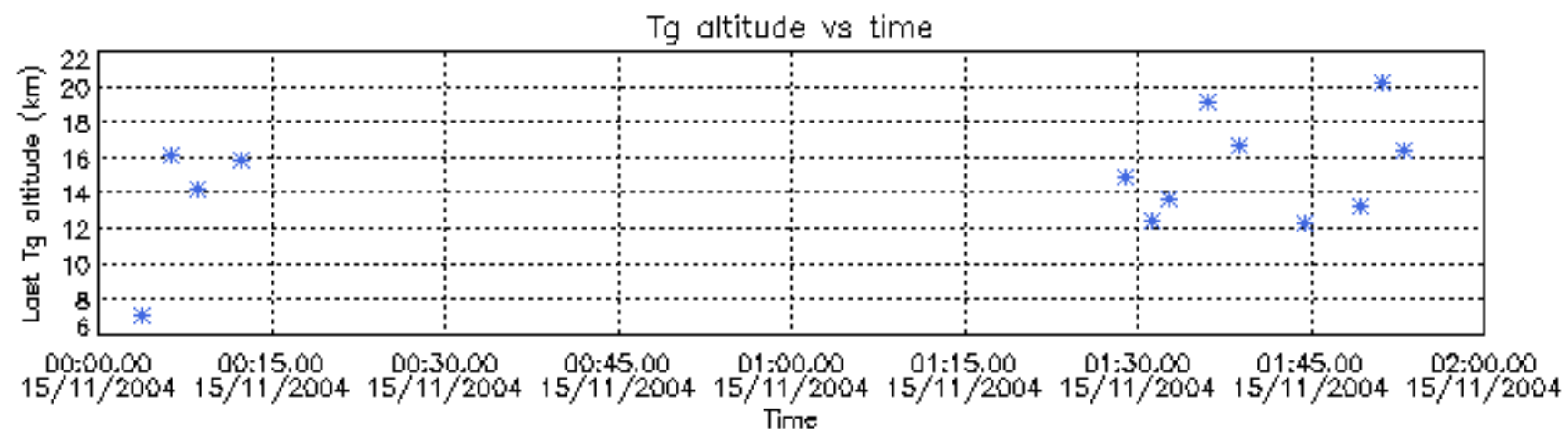
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

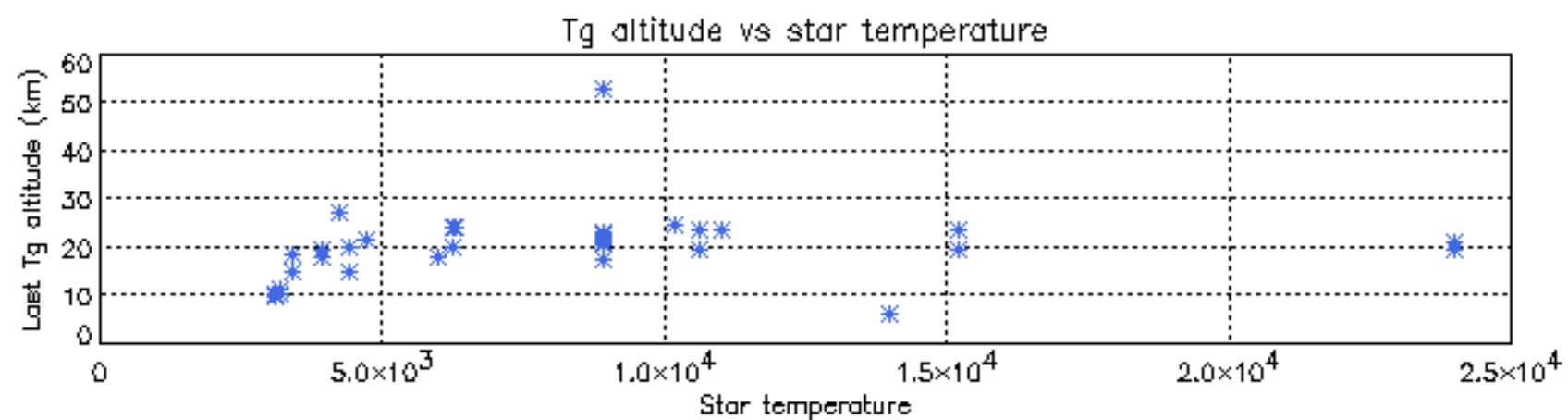
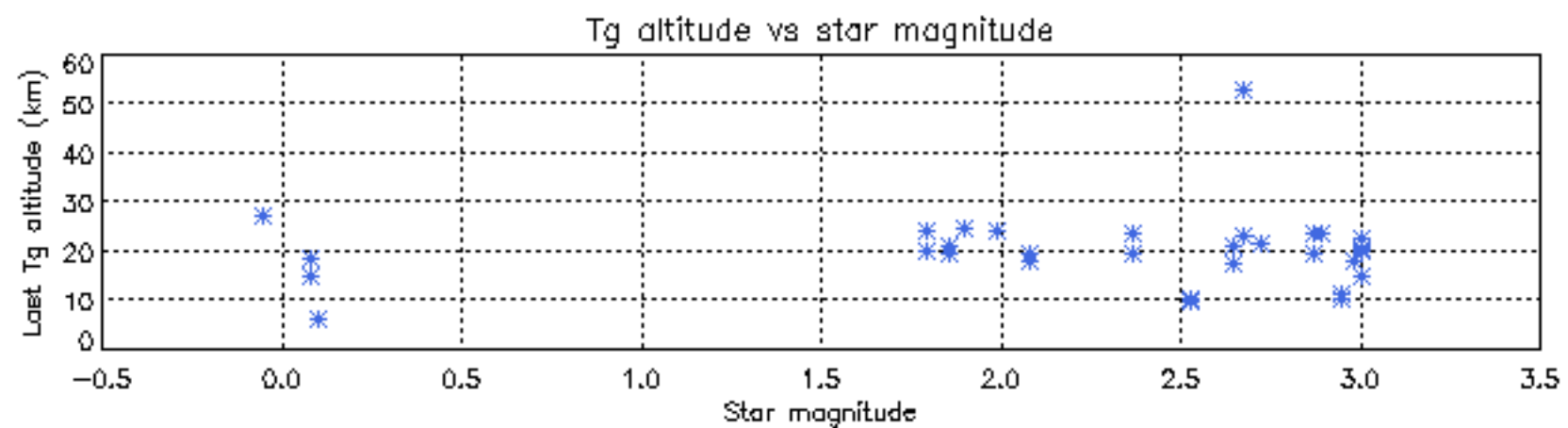
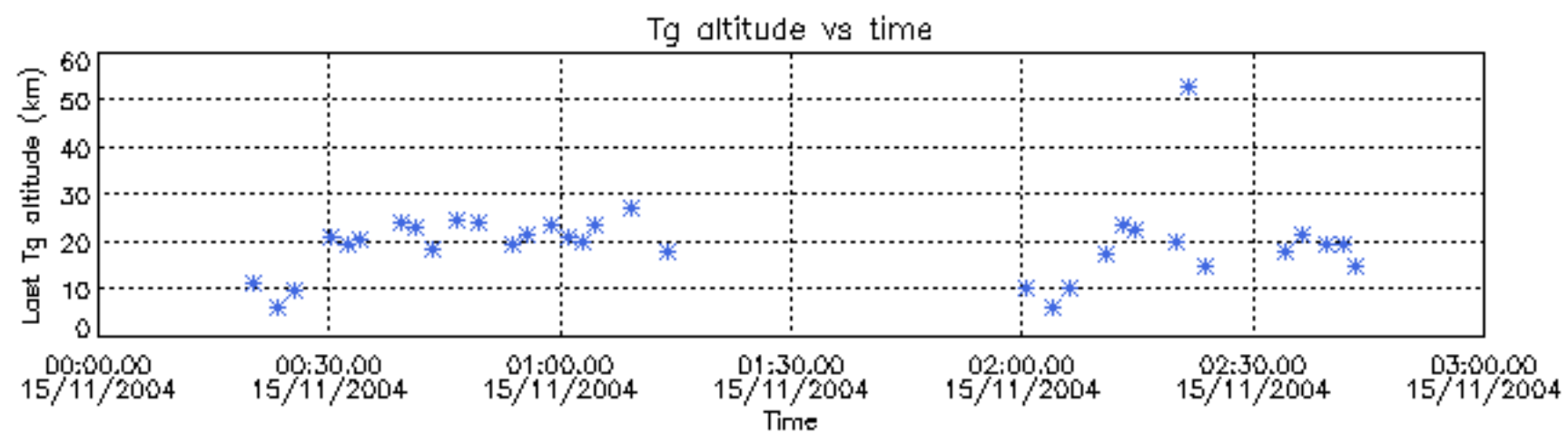


Tangent altitude at which the star is lost

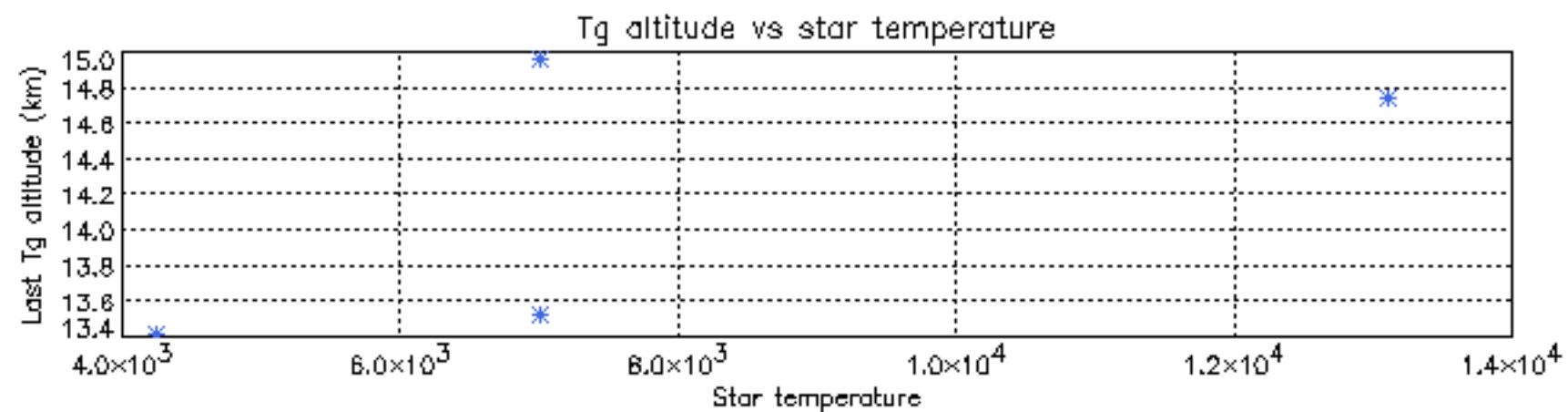
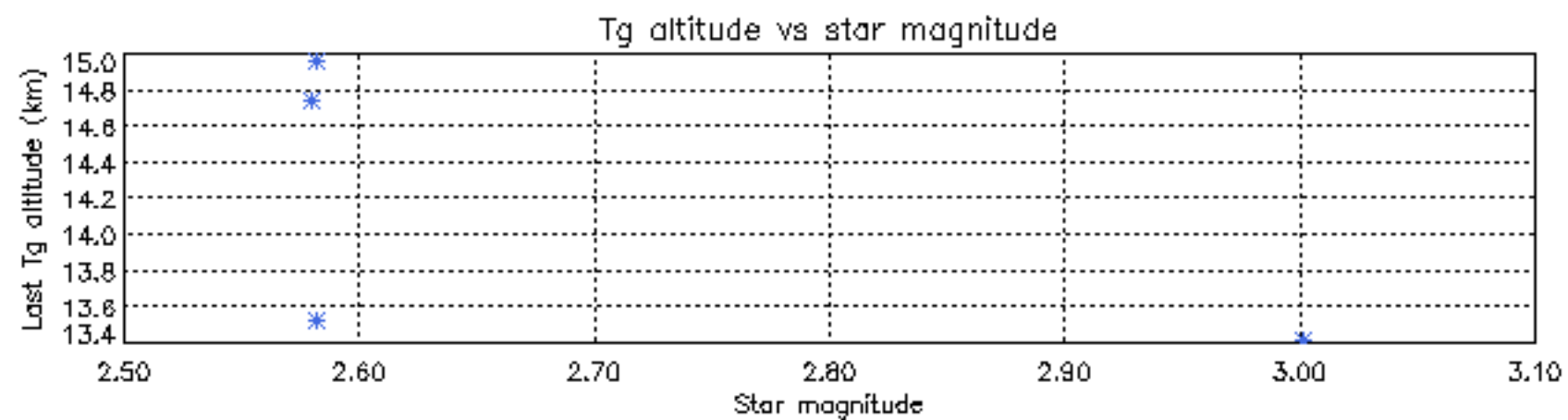
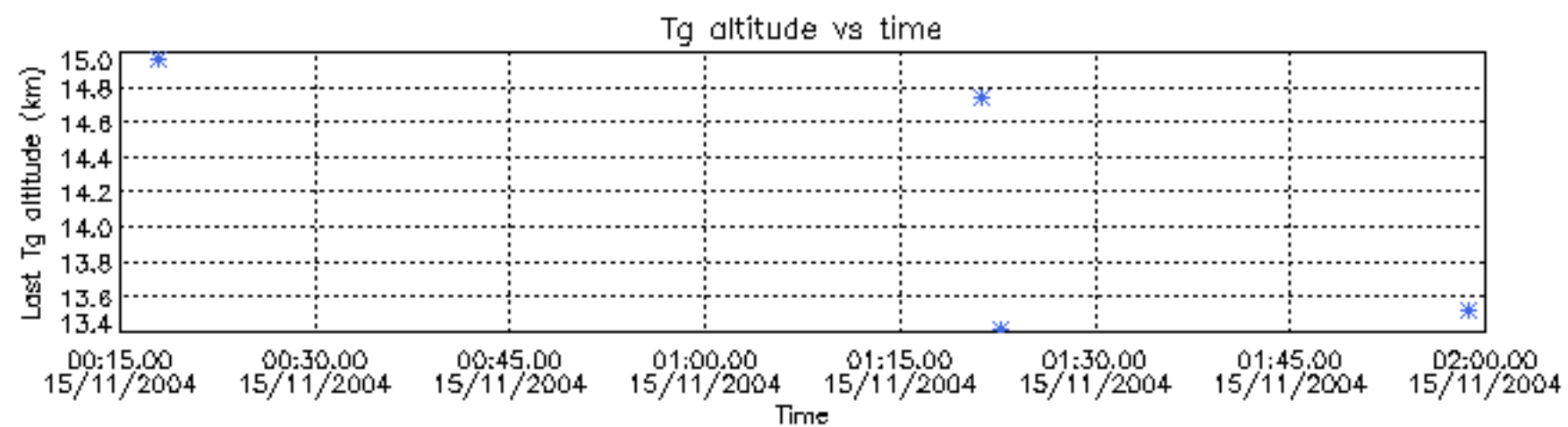




Tangent altitude at which the star is lost



Tangent altitude at which the star is lost



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13; 3668.4; 07-NOV-2004 21:51:51; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;14068
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15; 3995.7; 07-NOV-2004 21:57:18; Bright; 40.5; 82; 48Bet UMa ; 2.37; 10600;occ; 81; 0;14068
16; 4102.5; 07-NOV-2004 21:59:05; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;14068
17; 4226.7; 07-NOV-2004 22:01:09; Bright; 43.0; 174; 52Psi UMa ; 3.00; 4400;occ; 86; 0;14068
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24; 781.2; 07-NOV-2004 17:42:32; Dark ; 88.5; 23; 21Eps CMa ; 1.50; 26000;occ; 177; 0;14066
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 8; 600.9; 08-NOV-2004 02:02:31; Dark ; 52.5; 2; Alp Car ; -0.74; 7000;occ; 105; 0;14071  
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 10; 1171.7; 08-NOV-2004 02:12:02; Dark ; 41.5; 157; The1Eri ; 2.91; 9300;occ; 83; 0;14071  
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 12; 1632.5; 08-NOV-2004 02:19:42; Dark ; 61.0; 165; 34Gam Eri ; 2.95; 3200;occ; 122; 0;14071  
 13; 1850.0; 08-NOV-2004 02:23:20; Dark ; 121.5; 7; 19Bet Ori ; 0.10; 14000;occ; 243; 0;14071  
 14; 2260.8; 08-NOV-2004 02:30:11; Bright; 41.0; 105; 6Bet Ari ; 2.64; 8900;occ; 82; 0;14071  
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 19; 3153.8; 08-NOV-2004 02:45:04; Bright; 65.0; 6; 13Alp Aur ; 0.08; 3400;occ; 130; 0;14071  
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 12; 209.1; 08-NOV-2004 06:57:47; Dark ; 45.0; 46; Del Vel ; 1.95; 10600;occ; 90; 0;14074  
 13; 298.2; 08-NOV-2004 06:59:16; Dark ; 49.0; 34; Gam2Vel ; 1.79; 23000;occ; 98; 0;14074  
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 15; 604.1; 08-NOV-2004 07:04:22; Dark ; 62.0; 2; Alp Car ; -0.74; 7000;occ; 124; 0;14074  
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 17; 1172.6; 08-NOV-2004 07:13:50; Dark ; 42.0; 157; The1Eri ; 2.91; 9300;occ; 84; 0;14074  
 18; 1479.7; 08-NOV-2004 07:18:57; Dark ; 91.5; 101; 11Alp Lep ; 2.58; 7000;occ; 183; 0;14074  
 19; 1633.6; 08-NOV-2004 07:21:31; Dark ; 62.0; 165; 34Gam Eri ; 2.95; 3200;occ; 124; 0;14074

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 17; -214.4; 08-NOV-2004 08:31:19; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;14074  
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 19; -27.2; 08-NOV-2004 08:34:26; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;14074  
 20; 78.7; 08-NOV-2004 08:36:12; Dark ; 63.5; 65; Lam Vel ; 2.20; 4400;occ; 127; 0;14075  
 21; 239.1; 08-NOV-2004 08:38:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14075  
 22; 331.0; 08-NOV-2004 08:40:25; Dark ; 54.5; 70; Zet Pup ; 2.25; 39000;occ; 109; 0;14075  
 23; 605.1; 08-NOV-2004 08:44:59; Dark ; 53.0; 2; Alp Car ; -0.74; 7000;occ; 106; 0;14075  
 24; 877.4; 08-NOV-2004 08:49:31; Dark ; 39.0; 143; Alp Hyi ; 2.86; 7200;occ; 78; 0;14075  
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 27; 1465.1; 08-NOV-2004 08:59:19; Dark ; 214.5; 1; 9Alp CMa ; -1.44; 11000;occ; 429; 0;14075

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 16; -127.0; 08-NOV-2004 10:13:23; Dark ; 50.0; 26; Gam Cru ; 1.62; 2900;occ; 100; 0;14075  
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 19; 241.1; 08-NOV-2004 10:19:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14076  
 20; 332.0; 08-NOV-2004 10:21:02; Dark ; 56.0; 70; Zet Pup ; 2.25; 39000;occ; 112; 0;14076  
 21; 605.8; 08-NOV-2004 10:25:35; Dark ; 62.0; 2; Alp Car ; -0.74; 7000;occ; 124; 0;14076  
 22; 877.3; 08-NOV-2004 10:30:07; Dark ; 39.5; 143; Alp Hyi ; 2.86; 7200;occ; 79; 0;14076  
 23; 958.8; 08-NOV-2004 10:31:28; Dark ; 45.0; 9; Alp Eri ; 0.45; 24000;occ; 90; 0;14076  
 24; 1174.0; 08-NOV-2004 10:35:04; Dark ; 40.5; 157; The1Eri ; 2.91; 9300;occ; 81; 0;14076  
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23; 877.4; 08-NOV-2004 12:10:43; Dark ; 39.5; 143; Alp Hyi ; 2.86; 7200;occ; 79; 0;14077
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6; 1633.0; 08-NOV-2004 22:26:54; Dark ; 58.5; 165; 34Gam Eri ; 2.95; 3200;occ; 117; 0;14083
7; 1840.3; 08-NOV-2004 22:30:21; Dark ; 111.0; 7; 19Bet Ori ; 0.10; 14000;occ; 222; 0;14083
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 31; 94.6; 12-NOV-2004 19:54:46; Dark ; 41.0; 124; The Car ; 2.76; 30000;occ; 82; 0;14139  
 32; 201.7; 12-NOV-2004 19:56:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14139  
 33; 321.2; 12-NOV-2004 19:58:33; Dark ; 44.0; 41; Eps Car ; 1.86; 4100;occ; 88; 0;14139  
 34; 407.5; 12-NOV-2004 19:59:59; Dark ; 58.5; 70; Zet Pup ; 2.25; 39000;occ; 117; 0;14139  
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 36; 886.0; 12-NOV-2004 20:07:58; Dark ; 39.0; 143; Alp Hyi ; 2.86; 7200;occ; 78; 0;14139  
 37; 965.6; 12-NOV-2004 20:09:17; Dark ; 44.5; 9; Alp Eri ; 0.45; 24000;occ; 89; 0;14139

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 6; 95.7; 13-NOV-2004 00:56:35; Dark ; 42.0; 124; The Car ; 2.76; 30000;occ; 84; 0;14142  
 7; 183.4; 13-NOV-2004 00:58:03; Dark ; 42.0; 159; Ups Car ; 2.92; 7200;occ; 84; 0;14142  
 8; 269.6; 13-NOV-2004 00:59:29; Dark ; 41.0; 29; Bet Car ; 1.67; 10200;occ; 82; 0;14142  
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 13; 1190.8; 13-NOV-2004 01:14:50; Dark ; 39.5; 157; The1Eri ; 2.91; 9300;occ; 79; 0;14142  
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17; -1921.5; 13-NOV-2004 10:26:34; Bright; 34.5; 39; 85Eta UMA ; 1.85; 24000;occ; 69; 0;14147
18; -1812.2; 13-NOV-2004 10:28:23; Bright; 42.5; 174; 52Psi UMA ; 3.00; 4400;occ; 85; 0;14147
19; -1711.8; 13-NOV-2004 10:30:03; Bright; 37.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 75; 0;14147
20; -1409.8; 13-NOV-2004 10:35:05; Bright; 34.0; 111; 8Eta Boo ; 2.68; 6000;occ; 68; 0;14147

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21;-1218.9; 13-NOV-2004 10:38:16; Bright; 88.0; 166; 17Eps Leo ; 2.98; 6000;occ; 176; 0;14147
22; -940.1; 13-NOV-2004 10:42:55; Dark ; 86.0; 22; 32Alp Leo ; 1.36; 15200;occ; 172; 0;14147
23; -724.8; 13-NOV-2004 10:46:30; Dark ; 44.5; 100; 4Gam Crv ; 2.58; 13100;occ; 89; 0;14147
24; -634.0; 13-NOV-2004 10:48:01; Dark ; 46.5; 171; 2Eps Crv ; 3.00; 4250;occ; 93; 0;14147
25; -252.6; 13-NOV-2004 10:54:23; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;14147
26; -115.0; 13-NOV-2004 10:56:40; Dark ; 51.5; 26; Gam Cru ; 1.62; 2900;occ; 103; 0;14147
27; -17.3; 13-NOV-2004 10:58:18; Dark ; 46.0; 12; Alp1Cru ; 0.77; 30000;occ; 92; 0;14147
28; 99.7; 13-NOV-2004 11:00:15; Dark ; 40.5; 124; The Car ; 2.76; 30000;occ; 81; 0;14148
29; 203.8; 13-NOV-2004 11:01:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14148
30; 327.2; 13-NOV-2004 11:04:02; Dark ; 45.0; 41; Eps Car ; 1.86; 4100;occ; 90; 0;14148
31; 421.0; 13-NOV-2004 11:05:36; Dark ; 56.5; 70; Zet Pup ; 2.25; 39000;occ; 113; 0;14148
32; 655.0; 13-NOV-2004 11:09:30; Dark ; 52.5; 2; Alp Car ; -0.74; 7000;occ; 105; 0;14148
33; 758.4; 13-NOV-2004 11:11:14; Dark ; 84.5; 88; 31Eta CMA ; 2.45; 20000;occ; 169; 0;14148
34; 966.5; 13-NOV-2004 11:14:42; Dark ; 39.0; 9; Alp Eri ; 0.45; 24000;occ; 78; 0;14148
35; 1192.2; 13-NOV-2004 11:18:27; Dark ; 40.5; 157; The1Eri ; 2.91; 9300;occ; 81; 0;14148
36; 1491.1; 13-NOV-2004 11:23:26; Dark ; 159.5; 1; 9Alp CMA ; -1.44; 11000;occ; 319; 0;14148
/nas1/ENVISAT/GOMOS/from_DDS/GOM_NL__0PNPDK20041113_112421_000060302032_00066_14148_1364.N1
1;-4489.8; 13-NOV-2004 11:24:21; Dark ; 213.0; 1; 9Alp CMA ; -1.44; 11000;occ; 426; 110;14148
2;-4231.1; 13-NOV-2004 11:28:40; Dark ; 93.0; 7; 19Bet Ori ; 0.10; 14000;occ; 186; 0;14148
3;-4060.8; 13-NOV-2004 11:31:30; Dark ; 51.0; 94; 92Alp Cet ; 2.53; 3100;occ; 102; 0;14148
4;-3776.0; 13-NOV-2004 11:36:15; Bright; 38.5; 105; 6Bet Ari ; 2.64; 8900;occ; 77; 0;14148
5;-3625.9; 13-NOV-2004 11:38:45; Bright; 46.0; 146; 25Eta Tau ; 2.87; 15200;occ; 92; 0;14148
6;-3512.0; 13-NOV-2004 11:40:39; Bright; 37.0; 53; 43Bet And ; 2.05; 3300;occ; 74; 0;14148
7;-3408.2; 13-NOV-2004 11:42:23; Bright; 39.0; 73; 57Gam1And ; 2.26; 13100;occ; 78; 0;14148
8;-3313.3; 13-NOV-2004 11:43:58; Bright; 45.5; 149; 45Eps Per ; 2.89; 30000;occ; 91; 0;14148
9;-3211.8; 13-NOV-2004 11:45:39; Bright; 42.0; 35; 33Alp Per ; 1.79; 6250;occ; 84; 0;14148
10;-3108.5; 13-NOV-2004 11:47:23; Bright; 39.0; 110; 37Del Cas ; 2.68; 8900;occ; 78; 0;14148
11;-2972.3; 13-NOV-2004 11:49:39; Bright; 59.5; 6; 13Alp Aur ; 0.08; 3400;occ; 119; 0;14148
12;-2780.5; 13-NOV-2004 11:52:51; Bright; 65.5; 42; 34Bet Aur ; 1.90; 10200;occ; 131; 0;14148
13;-2615.7; 13-NOV-2004 11:55:35; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;14148
14;-2357.5; 13-NOV-2004 11:59:54; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;14148
15;-2249.8; 13-NOV-2004 12:01:41; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;14148
16;-2150.8; 13-NOV-2004 12:03:20; Bright; 43.5; 36; 50Alp UMa ; 1.80; 6300;occ; 87; 0;14148
17;-2052.6; 13-NOV-2004 12:04:58; Bright; 43.0; 82; 48Bet UMa ; 2.37; 10600;occ; 86; 0;14148
18;-1921.1; 13-NOV-2004 12:07:10; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;14148
19;-1812.4; 13-NOV-2004 12:08:59; Bright; 42.0; 174; 52Psi UMa ; 3.00; 4400;occ; 84; 0;14148
20;-1711.6; 13-NOV-2004 12:10:39; Bright; 38.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 76; 0;14148
21;-1409.5; 13-NOV-2004 12:15:42; Bright; 33.5; 111; 8Eta Boo ; 2.68; 6000;occ; 67; 0;14148
22;-1218.2; 13-NOV-2004 12:18:53; Bright; 90.5; 166; 17Eps Leo ; 2.98; 6000;occ; 181; 0;14148
23; -938.7; 13-NOV-2004 12:23:32; Dark ; 82.0; 22; 32Alp Leo ; 1.36; 15200;occ; 164; 0;14148
24; -724.3; 13-NOV-2004 12:27:07; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;14148
25; -633.2; 13-NOV-2004 12:28:38; Dark ; 43.5; 171; 2Eps Crv ; 3.00; 4250;occ; 87; 0;14148
26; -252.4; 13-NOV-2004 12:34:59; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;14148
27; -115.0; 13-NOV-2004 12:37:16; Dark ; 52.0; 26; Gam Cru ; 1.62; 2900;occ; 104; 0;14148
28; -16.9; 13-NOV-2004 12:38:54; Dark ; 39.5; 12; Alp1Cru ; 0.77; 30000;occ; 79; 0;14148
29; 100.5; 13-NOV-2004 12:40:52; Dark ; 39.0; 124; The Car ; 2.76; 30000;occ; 78; 0;14149
30; 204.1; 13-NOV-2004 12:42:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14149
31; 328.1; 13-NOV-2004 12:44:39; Dark ; 47.0; 41; Eps Car ; 1.86; 4100;occ; 94; 0;14149
32; 422.9; 13-NOV-2004 12:46:14; Dark ; 56.5; 70; Zet Pup ; 2.25; 39000;occ; 113; 0;14149
33; 656.4; 13-NOV-2004 12:50:07; Dark ; 61.0; 2; Alp Car ; -0.74; 7000;occ; 122; 0;14149
34; 760.3; 13-NOV-2004 12:51:51; Dark ; 79.5; 88; 31Eta CMA ; 2.45; 20000;occ; 159; 0;14149
35; 966.6; 13-NOV-2004 12:55:18; Dark ; 41.0; 9; Alp Eri ; 0.45; 24000;occ; 82; 0;14149
36; 1192.5; 13-NOV-2004 12:59:04; Dark ; 40.5; 157; The1Eri ; 2.91; 9300;occ; 81; 0;14149
37; 1491.4; 13-NOV-2004 13:04:02; Dark ; 50.0; 1; 9Alp CMA ; -1.44; 11000;occ; 100; 0;14149
/nas1/ENVISAT/GOMOS/from_DDS/GOM_NL__0PNPDK20041113_130402_000057762032_00067_14149_1365.N1
1;-4544.6; 13-NOV-2004 13:04:02; Dark ; 213.0; 1; 9Alp CMA ; -1.44; 11000;occ; 426; 0;14149
2;-4231.3; 13-NOV-2004 13:09:16; Dark ; 92.0; 7; 19Bet Ori ; 0.10; 14000;occ; 184; 0;14149
3;-4061.5; 13-NOV-2004 13:12:05; Dark ; 50.5; 94; 92Alp Cet ; 2.53; 3100;occ; 101; 0;14149
4;-3775.2; 13-NOV-2004 13:16:52; Bright; 39.5; 105; 6Bet Ari ; 2.64; 8900;occ; 79; 0;14149
5;-3626.1; 13-NOV-2004 13:19:21; Bright; 47.0; 146; 25Eta Tau ; 2.87; 15200;occ; 94; 0;14149
6;-3511.9; 13-NOV-2004 13:21:15; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;14149
7;-3408.7; 13-NOV-2004 13:22:58; Bright; 37.0; 73; 57Gam1And ; 2.26; 13100;occ; 74; 0;14149
8;-3315.7; 13-NOV-2004 13:24:31; Bright; 47.0; 149; 45Eps Per ; 2.89; 30000;occ; 94; 0;14149
9;-3211.8; 13-NOV-2004 13:26:15; Bright; 43.5; 35; 33Alp Per ; 1.79; 6250;occ; 87; 0;14149
10;-3110.3; 13-NOV-2004 13:27:57; Bright; 39.5; 110; 37Del Cas ; 2.68; 8900;occ; 79; 0;14149
11;-2973.4; 13-NOV-2004 13:30:14; Bright; 58.0; 6; 13Alp Aur ; 0.08; 3400;occ; 116; 0;14149
12;-2782.2; 13-NOV-2004 13:33:25; Bright; 59.5; 42; 34Bet Aur ; 1.90; 10200;occ; 119; 0;14149
13;-2357.4; 13-NOV-2004 13:40:30; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;14149

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14;-2249.7; 13-NOV-2004 13:42:17; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;14149  
 15;-2151.0; 13-NOV-2004 13:43:56; Bright; 43.0; 36; 50Alp UMA ; 1.80; 6300;occ; 86; 0;14149  
 16;-2052.7; 13-NOV-2004 13:45:34; Bright; 43.5; 82; 48Bet UMA ; 2.37; 10600;occ; 87; 0;14149  
 17;-1921.3; 13-NOV-2004 13:47:46; Bright; 38.0; 39; 85Eta UMA ; 1.85; 24000;occ; 76; 0;14149  
 18;-1812.4; 13-NOV-2004 13:49:35; Bright; 45.5; 174; 52Psi UMA ; 3.00; 4400;occ; 91; 0;14149  
 19;-1711.5; 13-NOV-2004 13:51:15; Bright; 37.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 74; 0;14149  
 20;-1409.6; 13-NOV-2004 13:56:17; Bright; 34.5; 111; 8Eta Boo ; 2.68; 6000;occ; 69; 0;14149  
 21;-1217.2; 13-NOV-2004 13:59:30; Bright; 88.0; 166; 17Eps Leo ; 2.98; 6000;occ; 176; 0;14149  
 22; -937.5; 13-NOV-2004 14:04:09; Dark ; 85.5; 22; 32Alp Leo ; 1.36; 15200;occ; 171; 0;14149  
 23; -724.6; 13-NOV-2004 14:07:42; Dark ; 44.5; 100; 4Gam Crv ; 2.58; 13100;occ; 89; 0;14149  
 24; -633.5; 13-NOV-2004 14:09:13; Dark ; 49.5; 171; 2Eps Crv ; 3.00; 4250;occ; 99; 0;14149  
 25; -252.5; 13-NOV-2004 14:15:34; Dark ; 42.5; 64; Gam Cen ; 2.20; 10600;occ; 85; 0;14149  
 26; -115.2; 13-NOV-2004 14:17:52; Dark ; 52.0; 26; Gam Cru ; 1.62; 2900;occ; 104; 0;14149  
 27; -17.2; 13-NOV-2004 14:19:30; Dark ; 46.5; 12; Alp1Cru ; 0.77; 30000;occ; 93; 0;14149  
 28; 101.0; 13-NOV-2004 14:21:28; Dark ; 39.5; 124; The Car ; 2.76; 30000;occ; 79; 0;14150  
 29; 204.3; 13-NOV-2004 14:23:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14150  
 30; 328.1; 13-NOV-2004 14:25:15; Dark ; 47.0; 41; Eps Car ; 1.86; 4100;occ; 94; 0;14150  
 31; 423.5; 13-NOV-2004 14:26:51; Dark ; 55.5; 70; Zet Pup ; 2.25; 39000;occ; 111; 0;14150  
 32; 657.1; 13-NOV-2004 14:30:44; Dark ; 61.0; 2; Alp Car ; -0.74; 7000;occ; 122; 0;14150  
 33; 761.6; 13-NOV-2004 14:32:29; Dark ; 81.5; 88; 31Eta CMA ; 2.45; 20000;occ; 163; 0;14150  
 34; 967.1; 13-NOV-2004 14:35:54; Dark ; 44.5; 9; Alp Eri ; 0.45; 24000;occ; 89; 0;14150  
 35; 1192.8; 13-NOV-2004 14:39:40; Dark ; 40.0; 157; The1Eri ; 2.91; 9300;occ; 80; 0;14150

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(corrupted file due to acquisition failures)

Problem occurred when reading packet number 2145!

1; 967.2; 13-NOV-2004 19:37:42; Dark ; 42.5; 9; Alp Eri ; 0.45; 24000;occ; 85; 0;14153  
 2; 1193.1; 13-NOV-2004 19:41:28; Dark ; 41.0; 157; The1Eri ; 2.91; 9300;occ; 82; 1;14153  
 3; 1492.1; 13-NOV-2004 19:46:27; Dark ; 213.0; 1; 9Alp CMA ; -1.44; 11000;occ; 426; 1;14153  
 4; 1802.6; 13-NOV-2004 19:51:38; Dark ; 92.0; 7; 19Bet Ori ; 0.10; 14000;occ; 184; 0;14153  
 5; 1974.7; 13-NOV-2004 19:54:30; Dark ; 51.0; 94; 92Alp Cet ; 2.53; 3100;occ; 102; 0;14153  
 6; 2260.3; 13-NOV-2004 19:59:15; Bright; 38.5; 105; 6Bet Ari ; 2.64; 8900;occ; 77; 0;14153  
 7; 2407.3; 13-NOV-2004 20:01:42; Bright; 47.5; 146; 25Eta Tau ; 2.87; 15200;occ; 95; 0;14153  
 8; 2523.5; 13-NOV-2004 20:03:39; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;14153  
 9; 2627.0; 13-NOV-2004 20:05:22; Bright; 40.0; 73; 57Gam1And ; 2.26; 13100;occ; 80; 0;14153  
 10; 2719.3; 13-NOV-2004 20:06:54; Bright; 45.5; 149; 45Eps Per ; 2.89; 30000;occ; 91; 0;14153  
 11; 2822.4; 13-NOV-2004 20:08:37; Bright; 41.0; 35; 33Alp Per ; 1.79; 6250;occ; 82; 0;14153  
 12; 2927.3; 13-NOV-2004 20:10:22; Bright; 36.0; 110; 37Del Cas ; 2.68; 8900;occ; 72; 0;14153  
 13; 3058.0; 13-NOV-2004 20:12:33; Bright; 60.5; 6; 13Alp Aur ; 0.08; 3400;occ; 121; 0;14153  
 14; 3247.8; 13-NOV-2004 20:15:43; Bright; 65.0; 42; 34Bet Aur ; 1.90; 10200;occ; 130; 0;14153  
 15; 3419.4; 13-NOV-2004 20:18:34; Bright; 40.5; 49; 1Alp UMi ; 1.99; 6300;occ; 81; 0;14153  
 16; 3678.4; 13-NOV-2004 20:22:53; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;14153  
 17; 3787.2; 13-NOV-2004 20:24:42; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;14153  
 18; 3883.7; 13-NOV-2004 20:26:19; Bright; 45.5; 36; 50Alp UMA ; 1.80; 6300;occ; 91; 0;14153  
 19; 3982.4; 13-NOV-2004 20:27:57; Bright; 43.0; 82; 48Bet UMA ; 2.37; 10600;occ; 86; 0;14153  
 20; 4115.1; 13-NOV-2004 20:30:10; Bright; 36.0; 39; 85Eta UMA ; 1.85; 24000;occ; 72; 1;14153  
 21; 4222.8; 13-NOV-2004 20:31:58; Bright; 44.5; 174; 52Psi UMA ; 3.00; 4400;occ; 89; 0;14153  
 22; 4324.5; 13-NOV-2004 20:33:40; Bright; 36.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 72; 0;14153  
 23; 4626.3; 13-NOV-2004 20:38:41; Bright; 35.5; 111; 8Eta Boo ; 2.68; 6000;occ; 71; 0;14153  
 24; 4822.3; 13-NOV-2004 20:41:57; Bright; 90.0; 166; 17Eps Leo ; 2.98; 6000;occ; 180; 0;14153  
 25; 5103.1; 13-NOV-2004 20:46:38; Dark ; 7.5; 22; 32Alp Leo ; 1.36; 15200;occ; 15; 0;14153

/nas1/ENVISAT/GOMOS/from\_DDS/GOM\_NL\_\_0PNPDE20041113\_204638\_000061192032\_00071\_14153\_1104.N1

(corrupted file due to acquisition failures)

1; -932.8; 13-NOV-2004 20:46:38; Dark ; 91.0; 22; 32Alp Leo ; 1.36; 15200;occ; 182; 4;14153  
 2; -723.1; 13-NOV-2004 20:50:08; Dark ; 44.0; 100; 4Gam Crv ; 2.58; 13100;occ; 88; 5;14153  
 3; -634.1; 13-NOV-2004 20:51:37; Dark ; 49.5; 171; 2Eps Crv ; 3.00; 4250;occ; 99; 4;14153  
 4; -252.2; 13-NOV-2004 20:57:59; Dark ; 38.5; 64; Gam Cen ; 2.20; 10600;occ; 77; 3;14153  
 5; -114.0; 13-NOV-2004 21:00:17; Dark ; 43.0; 26; Gam Cru ; 1.62; 2900;occ; 86; 2;14153  
 6; 102.7; 13-NOV-2004 21:03:54; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 3;14154  
 7; 205.3; 13-NOV-2004 21:05:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 4;14154  
 8; 331.0; 13-NOV-2004 21:07:42; Dark ; 45.0; 41; Eps Car ; 1.86; 4100;occ; 90; 2;14154  
 9; 428.8; 13-NOV-2004 21:09:20; Dark ; 57.5; 70; Zet Pup ; 2.25; 39000;occ; 115; 3;14154  
 10; 660.2; 13-NOV-2004 21:13:11; Dark ; 61.0; 2; Alp Car ; -0.74; 7000;occ; 122; 6;14154  
 11; 767.5; 13-NOV-2004 21:14:58; Dark ; 84.0; 88; 31Eta CMA ; 2.45; 20000;occ; 168; 1;14154  
 12; 967.6; 13-NOV-2004 21:18:19; Dark ; 46.5; 9; Alp Eri ; 0.45; 24000;occ; 93; 5;14154  
 13; 1194.3; 13-NOV-2004 21:22:05; Dark ; 39.5; 157; The1Eri ; 2.91; 9300;occ; 79; 4;14154  
 14; 1492.6; 13-NOV-2004 21:27:04; Dark ; 213.0; 1; 9Alp CMA ; -1.44; 11000;occ; 426; 17;14154  
 15; 1802.5; 13-NOV-2004 21:32:13; Dark ; 97.5; 7; 19Bet Ori ; 0.10; 14000;occ; 195; 8;14154  
 16; 1974.6; 13-NOV-2004 21:35:06; Dark ; 50.0; 94; 92Alp Cet ; 2.53; 3100;occ; 100; 2;14154



17; 2260.8; 13-NOV-2004 21:39:52; Bright; 38.0; 105; 6Bet Ari ; 2.64; 8900;occ; 76; 3;14154  
 18; 2407.5; 13-NOV-2004 21:42:18; Bright; 44.5; 146; 25Eta Tau ; 2.87; 15200;occ; 89; 7;14154  
 19; 2524.7; 13-NOV-2004 21:44:16; Bright; 37.0; 53; 43Bet And ; 2.05; 3300;occ; 74; 2;14154  
 20; 2626.9; 13-NOV-2004 21:45:58; Bright; 40.5; 73; 57Gam1And ; 2.26; 13100;occ; 81; 6;14154  
 21; 2719.7; 13-NOV-2004 21:47:31; Bright; 43.5; 149; 45Eps Per ; 2.89; 30000;occ; 87; 5;14154  
 22; 2822.1; 13-NOV-2004 21:49:13; Bright; 43.5; 35; 33Alp Per ; 1.79; 6250;occ; 87; 1;14154  
 23; 2928.5; 13-NOV-2004 21:50:59; Bright; 35.0; 110; 37Del Cas ; 2.68; 8900;occ; 70; 0;14154  
 24; 3057.2; 13-NOV-2004 21:53:08; Bright; 57.5; 6; 13Alp Aur ; 0.08; 3400;occ; 115; 0;14154  
 25; 3246.4; 13-NOV-2004 21:56:17; Bright; 62.5; 42; 34Bet Aur ; 1.90; 10200;occ; 125; 3;14154  
 26; 3420.5; 13-NOV-2004 21:59:11; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 3;14154  
 27; 3679.1; 13-NOV-2004 22:03:30; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 3;14154  
 28; 3788.1; 13-NOV-2004 22:05:19; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 2;14154  
 29; 3884.0; 13-NOV-2004 22:06:55; Bright; 43.0; 36; 50Alp UMa ; 1.80; 6300;occ; 86; 5;14154  
 30; 3982.5; 13-NOV-2004 22:08:33; Bright; 42.0; 82; 48Bet UMa ; 2.37; 10600;occ; 84; 2;14154  
 31; 4115.6; 13-NOV-2004 22:10:47; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 5;14154  
 32; 4222.9; 13-NOV-2004 22:12:34; Bright; 45.0; 174; 52Psi UMa ; 3.00; 4400;occ; 90; 3;14154  
 33; 4325.3; 13-NOV-2004 22:14:16; Bright; 36.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 72; 3;14154  
 34; 4627.1; 13-NOV-2004 22:19:18; Bright; 35.0; 111; 8Eta Boo ; 2.68; 6000;occ; 70; 3;14154  
 35; 4823.2; 13-NOV-2004 22:22:34; Bright; 88.5; 166; 17Eps Leo ; 2.98; 6000;occ; 177; 3;14154  
 36; 5104.5; 13-NOV-2004 22:27:15; Dark ; 82.5; 22; 32Alp Leo ; 1.36; 15200;occ; 165; 12;14154

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(corrupted file due to acquisition failures)

Problem occurred when reading packet number 671!

1; -854.9; 13-NOV-2004 22:28:32; Dark ; 83.0; 22; 32Alp Leo ; 1.36; 15200;occ; 166; 154;14154  
 2; -722.0; 13-NOV-2004 22:30:45; Dark ; 43.5; 100; 4Gam Crv ; 2.58; 13100;occ; 87; 1;14154  
 3; -630.9; 13-NOV-2004 22:32:16; Dark ; 47.5; 171; 2Eps Crv ; 3.00; 4250;occ; 95; 0;14154  
 4; -251.2; 13-NOV-2004 22:38:36; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 2;14154  
 5; -114.0; 13-NOV-2004 22:40:53; Dark ; 44.5; 26; Gam Cru ; 1.62; 2900;occ; 89; 2;14154  
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23; 3054.0; 14-NOV-2004 02:54:53; Bright; 59.0; 6; 13Alp Aur ; 0.08; 3400;occ; 118; 0;14157
24; 3242.4; 14-NOV-2004 02:58:01; Bright; 60.5; 42; 34Bet Aur ; 1.90; 10200;occ; 121; 0;14157
25; 3421.3; 14-NOV-2004 03:01:00; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;14157

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(corrupted file due to acquisition failures)

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1;-2355.3; 14-NOV-2004 03:05:19; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;14157
2;-2246.1; 14-NOV-2004 03:07:09; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;14157
3;-2151.7; 14-NOV-2004 03:08:43; Bright; 42.5; 36; 50Alp UMA ; 1.80; 6300;occ; 85; 0;14157
4;-2053.4; 14-NOV-2004 03:10:21; Bright; 42.0; 82; 48Bet UMA ; 2.37; 10600;occ; 84; 1;14157
5;-1918.9; 14-NOV-2004 03:12:36; Bright; 35.0; 39; 85Eta UMA ; 1.85; 24000;occ; 70; 0;14157
6;-1812.8; 14-NOV-2004 03:14:22; Bright; 43.0; 174; 52Psi UMA ; 3.00; 4400;occ; 86; 0;14157
7;-1709.4; 14-NOV-2004 03:16:05; Bright; 35.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 70; 0;14157

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8;-1407.2; 14-NOV-2004 03:21:07; Bright; 33.0; 111; 8Eta Boo ; 2.68; 6000;occ; 66; 1;14157  
9;-1209.9; 14-NOV-2004 03:24:25; Bright; 97.0; 166; 17Eps Leo ; 2.98; 6000;occ; 194; 1;14157  
10; -927.2; 14-NOV-2004 03:29:07; Dark ; 89.5; 22; 32Alp Leo ; 1.36; 15200;occ; 179; 0;14157  
11; -719.6; 14-NOV-2004 03:32:35; Dark ; 40.5; 100; 4Gam Crv ; 2.58; 13100;occ; 81; 0;14157  
12; -628.7; 14-NOV-2004 03:34:06; Dark ; 44.0; 171; 2Eps Crv ; 3.00; 4250;occ; 88; 0;14157  
13; -250.0; 14-NOV-2004 03:40:25; Dark ; 39.5; 64; Gam Cen ; 2.20; 10600;occ; 79; 0;14157  
14; -113.1; 14-NOV-2004 03:42:41; Dark ; 52.0; 26; Gam Cru ; 1.62; 2900;occ; 104; 0;14157  
15; -15.5; 14-NOV-2004 03:44:19; Dark ; 44.5; 12; Alp1Cru ; 0.77; 30000;occ; 89; 0;14157  
16; 162.4; 14-NOV-2004 03:47:17; Dark ; 55.5; 65; Lam Vel ; 2.20; 4400;occ; 111; 1;14158  
17; 276.4; 14-NOV-2004 03:49:11; Dark ; 40.5; 29; Bet Car ; 1.67; 10200;occ; 81; 2;14158  
18; 405.3; 14-NOV-2004 03:51:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14158  
19; 663.3; 14-NOV-2004 03:55:38; Dark ; 61.0; 2; Alp Car ;-0.74; 7000;occ; 122; 1;14158  
20; 774.6; 14-NOV-2004 03:57:29; Dark ; 79.0; 88; 31Eta CMa ; 2.45; 20000;occ; 158; 0;14158  
21; 968.1; 14-NOV-2004 04:00:43; Dark ; 42.5; 9; Alp Eri ; 0.45; 24000;occ; 85; 0;14158  
22; 1065.9; 14-NOV-2004 04:02:20; Dark ; 57.5; 108; Alp Col ; 2.65; 15200;occ; 115; 0;14158  
23; 1195.1; 14-NOV-2004 04:04:30; Dark ; 38.5; 157; The1Eri ; 2.91; 9300;occ; 77; 0;14158  
24; 1413.9; 14-NOV-2004 04:08:08; Dark ; 74.5; 139; 9Bet Lep ; 2.83; 5600;occ; 149; 2;14158  
25; 1637.5; 14-NOV-2004 04:11:52; Dark ; 54.5; 165; 34Gam Eri ; 2.95; 3200;occ; 109; 0;14158  
26; 1801.1; 14-NOV-2004 04:14:36; Dark ; 99.5; 7; 19Bet Ori ; 0.10; 14000;occ; 199; 0;14158  
27; 1974.7; 14-NOV-2004 04:17:29; Dark ; 52.0; 94; 92Alp Cet ; 2.53; 3100;occ; 104; 0;14158  
28; 2261.4; 14-NOV-2004 04:22:16; Bright; 38.5; 105; 6Bet Ari ; 2.64; 8900;occ; 77; 0;14158  
29; 2626.8; 14-NOV-2004 04:28:21; Bright; 37.5; 73; 57Gam1And ; 2.26; 13100;occ; 75; 0;14158  
30; 2717.5; 14-NOV-2004 04:29:52; Bright; 44.0; 149; 45Eps Per ; 2.89; 30000;occ; 88; 0;14158  
31; 2820.3; 14-NOV-2004 04:31:35; Bright; 43.0; 35; 33Alp Per ; 1.79; 6250;occ; 86; 0;14158  
32; 2928.6; 14-NOV-2004 04:33:23; Bright; 36.0; 110; 37Del Cas ; 2.68; 8900;occ; 72; 0;14158  
33; 3052.7; 14-NOV-2004 04:35:27; Bright; 58.0; 6; 13Alp Aur ; 0.08; 3400;occ; 116; 1;14158  
34; 3241.0; 14-NOV-2004 04:38:36; Bright; 64.5; 42; 34Bet Aur ; 1.90; 10200;occ; 129; 0;14158  
35; 3420.2; 14-NOV-2004 04:41:35; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;14158

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1;-2355.6; 14-NOV-2004 04:45:55; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 2;14158  
2;-2246.2; 14-NOV-2004 04:47:44; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;14158  
3;-2152.3; 14-NOV-2004 04:49:18; Bright; 41.0; 36; 50Alp UMa ; 1.80; 6300;occ; 82; 0;14158  
4;-2054.4; 14-NOV-2004 04:50:56; Bright; 42.5; 82; 48Bet UMa ; 2.37; 10600;occ; 85; 1;14158  
5;-1919.2; 14-NOV-2004 04:53:11; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 11;14158  
6;-1813.1; 14-NOV-2004 04:54:57; Bright; 46.0; 174; 52Psi UMa ; 3.00; 4400;occ; 92; 0;14158  
7;-1407.5; 14-NOV-2004 05:01:43; Bright; 34.0; 111; 8Eta Boo ; 2.68; 6000;occ; 68; 1;14158  
8;-1208.8; 14-NOV-2004 05:05:02; Bright; 96.0; 166; 17Eps Leo ; 2.98; 6000;occ; 192; 1;14158  
9; -926.0; 14-NOV-2004 05:09:45; Dark ; 90.0; 22; 32Alp Leo ; 1.36; 15200;occ; 180; 0;14158  
10; -719.7; 14-NOV-2004 05:13:11; Dark ; 44.0; 100; 4Gam Crv ; 2.58; 13100;occ; 88; 5;14158  
11; -628.2; 14-NOV-2004 05:14:42; Dark ; 45.5; 171; 2Eps Crv ; 3.00; 4250;occ; 91; 6;14158  
12; -250.3; 14-NOV-2004 05:21:00; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;14158  
13; -113.2; 14-NOV-2004 05:23:17; Dark ; 45.0; 26; Gam Cru ; 1.62; 2900;occ; 90; 0;14158  
14; -15.8; 14-NOV-2004 05:24:55; Dark ; 42.0; 12; Alp1Cru ; 0.77; 30000;occ; 84; 0;14158  
15; 162.9; 14-NOV-2004 05:27:53; Dark ; 64.0; 65; Lam Vel ; 2.20; 4400;occ; 128; 2;14159  
16; 276.1; 14-NOV-2004 05:29:47; Dark ; 44.0; 29; Bet Car ; 1.67; 10200;occ; 88; 1;14159  
17; 407.2; 14-NOV-2004 05:31:58; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 6;14159  
18; 663.2; 14-NOV-2004 05:36:14; Dark ; 51.5; 2; Alp Car ;-0.74; 7000;occ; 103; 0;14159  
19; 775.9; 14-NOV-2004 05:38:06; Dark ; 77.5; 88; 31Eta CMa ; 2.45; 20000;occ; 155; 0;14159  
20; 968.1; 14-NOV-2004 05:41:19; Dark ; 42.0; 9; Alp Eri ; 0.45; 24000;occ; 84; 0;14159  
21; 1066.5; 14-NOV-2004 05:42:57; Dark ; 55.5; 108; Alp Col ; 2.65; 15200;occ; 111; 1;14159  
22; 1194.6; 14-NOV-2004 05:45:05; Dark ; 42.0; 157; The1Eri ; 2.91; 9300;occ; 84; 0;14159  
23; 1413.8; 14-NOV-2004 05:48:44; Dark ; 73.0; 139; 9Bet Lep ; 2.83; 5600;occ; 146; 1;14159  
24; 1637.0; 14-NOV-2004 05:52:28; Dark ; 53.5; 165; 34Gam Eri ; 2.95; 3200;occ; 107; 4;14159  
25; 1800.4; 14-NOV-2004 05:55:11; Dark ; 97.5; 7; 19Bet Ori ; 0.10; 14000;occ; 195; 0;14159  
26; 1973.5; 14-NOV-2004 05:58:04; Dark ; 52.0; 94; 92Alp Cet ; 2.53; 3100;occ; 104; 0;14159  
27; 2261.0; 14-NOV-2004 06:02:52; Bright; 38.5; 105; 6Bet Ari ; 2.64; 8900;occ; 77; 0;14159  
28; 2626.0; 14-NOV-2004 06:08:57; Bright; 40.5; 73; 57Gam1And ; 2.26; 13100;occ; 81; 0;14159  
29; 2716.2; 14-NOV-2004 06:10:27; Bright; 46.0; 149; 45Eps Per ; 2.89; 30000;occ; 92; 0;14159  
30; 2819.8; 14-NOV-2004 06:12:10; Bright; 44.5; 35; 33Alp Per ; 1.79; 6250;occ; 89; 1;14159  
31; 2928.2; 14-NOV-2004 06:13:59; Bright; 37.0; 110; 37Del Cas ; 2.68; 8900;occ; 74; 2;14159  
32; 3051.6; 14-NOV-2004 06:16:02; Bright; 57.0; 6; 13Alp Aur ; 0.08; 3400;occ; 114; 2;14159  
33; 3239.4; 14-NOV-2004 06:19:10; Bright; 65.0; 42; 34Bet Aur ; 1.90; 10200;occ; 130; 0;14159  
34; 3420.2; 14-NOV-2004 06:22:11; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 1;14159

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1;-2355.5; 14-NOV-2004 06:26:31; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;14159  
2;-2245.8; 14-NOV-2004 06:28:21; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;14159  
3;-2152.7; 14-NOV-2004 06:29:54; Bright; 43.5; 36; 50Alp UMa ; 1.80; 6300;occ; 87; 0;14159

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4;-2054.5; 14-NOV-2004 06:31:32; Bright; 42.0; 82; 48Bet UMa ; 2.37; 10600;occ; 84; 0;14159
5;-1919.0; 14-NOV-2004 06:33:48; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;14159
6;-1813.0; 14-NOV-2004 06:35:34; Bright; 41.5; 174; 52Psi UMa ; 3.00; 4400;occ; 83; 0;14159
7;-1710.2; 14-NOV-2004 06:37:16; Bright; 36.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 72; 0;14159
8;-1407.4; 14-NOV-2004 06:42:19; Bright; 33.5; 111; 8Eta Boo ; 2.68; 6000;occ; 67; 0;14159
9;-1208.0; 14-NOV-2004 06:45:39; Bright; 94.5; 166; 17Eps Leo ; 2.98; 6000;occ; 189; 0;14159
10; -924.9; 14-NOV-2004 06:50:22; Dark ; 81.0; 22; 32Alp Leo ; 1.36; 15200;occ; 162; 0;14159
11; -719.9; 14-NOV-2004 06:53:47; Dark ; 44.0; 100; 4Gam Crv ; 2.58; 13100;occ; 88; 0;14159
12; -628.6; 14-NOV-2004 06:55:18; Dark ; 45.5; 171; 2Eps Crv ; 3.00; 4250;occ; 91; 0;14159
13; -250.2; 14-NOV-2004 07:01:36; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;14159
14; -112.9; 14-NOV-2004 07:03:54; Dark ; 45.0; 26; Gam Cru ; 1.62; 2900;occ; 90; 0;14159
15; -15.3; 14-NOV-2004 07:05:31; Dark ; 44.5; 12; Alp1Cru ; 0.77; 30000;occ; 89; 0;14159
16; 104.6; 14-NOV-2004 07:07:31; Dark ; 40.5; 124; The Car ; 2.76; 30000;occ; 81; 0;14160
17; 207.1; 14-NOV-2004 07:09:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14160
18; 334.8; 14-NOV-2004 07:11:21; Dark ; 53.5; 41; Eps Car ; 1.86; 4100;occ; 107; 0;14160
19; 436.2; 14-NOV-2004 07:13:03; Dark ; 56.5; 70; Zet Pup ; 2.25; 39000;occ; 113; 0;14160
20; 663.9; 14-NOV-2004 07:16:50; Dark ; 61.0; 2; Alp Car ; -0.74; 7000;occ; 122; 0;14160
21; 776.8; 14-NOV-2004 07:18:43; Dark ; 85.0; 88; 31Eta CMA ; 2.45; 20000;occ; 170; 0;14160
22; 968.2; 14-NOV-2004 07:21:55; Dark ; 44.0; 9; Alp Eri ; 0.45; 24000;occ; 88; 0;14160
23; 1066.7; 14-NOV-2004 07:23:33; Dark ; 56.0; 108; Alp Col ; 2.65; 15200;occ; 112; 0;14160
24; 1194.8; 14-NOV-2004 07:25:41; Dark ; 40.5; 157; The1Eri ; 2.91; 9300;occ; 81; 0;14160
25; 1493.6; 14-NOV-2004 07:30:40; Dark ; 211.5; 1; 9Alp CMA ; -1.44; 11000;occ; 423; 0;14160

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1;-4348.3; 14-NOV-2004 07:33:54; Dark ; 212.0; 1; 9Alp CMA ; -1.44; 11000;occ; 424; 388;14160
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3;-4062.5; 14-NOV-2004 07:38:40; Dark ; 52.5; 94; 92Alp Cet ; 2.53; 3100;occ; 105; 0;14160
4;-3775.3; 14-NOV-2004 07:43:27; Bright; 40.0; 105; 6Bet Ari ; 2.64; 8900;occ; 80; 0;14160
5;-3633.0; 14-NOV-2004 07:45:50; Bright; 48.0; 146; 25Eta Tau ; 2.87; 15200;occ; 96; 0;14160
6;-3532.7; 14-NOV-2004 07:47:30; Bright; 36.0; 173; 4Bet Tri ; 3.00; 8900;occ; 72; 0;14160
7;-3410.0; 14-NOV-2004 07:49:33; Bright; 41.0; 73; 57Gam1And ; 2.26; 13100;occ; 82; 0;14160
8;-3320.3; 14-NOV-2004 07:51:02; Bright; 45.0; 149; 45Eps Per ; 2.89; 30000;occ; 90; 0;14160
9;-3216.2; 14-NOV-2004 07:52:46; Bright; 40.0; 35; 33Alp Per ; 1.79; 6250;occ; 80; 0;14160
10;-3107.6; 14-NOV-2004 07:54:35; Bright; 37.0; 110; 37Del Cas ; 2.68; 8900;occ; 74; 0;14160
11;-2985.6; 14-NOV-2004 07:56:37; Bright; 57.0; 6; 13Alp Aur ; 0.08; 3400;occ; 114; 0;14160
12;-2798.0; 14-NOV-2004 07:59:44; Bright; 64.5; 42; 34Bet Aur ; 1.90; 10200;occ; 129; 0;14160
13;-2616.4; 14-NOV-2004 08:02:46; Bright; 39.0; 49; 1Alp UMi ; 1.99; 6300;occ; 78; 0;14160
14;-2355.4; 14-NOV-2004 08:07:07; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;14160
15;-2245.9; 14-NOV-2004 08:08:57; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;14160
16;-2152.8; 14-NOV-2004 08:10:30; Bright; 42.5; 36; 50Alp UMa ; 1.80; 6300;occ; 85; 0;14160
17;-2054.5; 14-NOV-2004 08:12:08; Bright; 42.0; 82; 48Bet UMa ; 2.37; 10600;occ; 84; 0;14160
18;-1918.9; 14-NOV-2004 08:14:24; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;14160
19;-1813.1; 14-NOV-2004 08:16:09; Bright; 42.5; 174; 52Psi UMa ; 3.00; 4400;occ; 85; 0;14160
20;-1710.2; 14-NOV-2004 08:17:52; Bright; 37.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 74; 0;14160
21;-1432.8; 14-NOV-2004 08:22:30; Bright; 33.5; 3; 16Alp Boo ; -0.05; 4250;occ; 67; 0;14160
22;-1207.0; 14-NOV-2004 08:26:16; Bright; 93.5; 166; 17Eps Leo ; 2.98; 6000;occ; 187; 0;14160
23;-1019.3; 14-NOV-2004 08:29:23; Bright; 48.5; 121; 29Gam Vir ; 2.74; 7200;occ; 97; 0;14160
24; -923.4; 14-NOV-2004 08:30:59; Dark ; 86.5; 22; 32Alp Leo ; 1.36; 15200;occ; 173; 0;14160
25; -756.1; 14-NOV-2004 08:33:46; Dark ; 42.0; 163; 7Del Crv ; 2.94; 11000;occ; 84; 0;14160
26; -628.5; 14-NOV-2004 08:35:54; Dark ; 48.5; 171; 2Eps Crv ; 3.00; 4250;occ; 97; 0;14160
27; -250.2; 14-NOV-2004 08:42:12; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;14160
28; -113.0; 14-NOV-2004 08:44:29; Dark ; 47.0; 26; Gam Cru ; 1.62; 2900;occ; 94; 0;14160
29; -15.2; 14-NOV-2004 08:46:07; Dark ; 46.0; 12; Alp1Cru ; 0.77; 30000;occ; 92; 0;14160
30; 104.3; 14-NOV-2004 08:48:07; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;14161
31; 207.9; 14-NOV-2004 08:49:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14161
32; 335.0; 14-NOV-2004 08:51:58; Dark ; 43.5; 41; Eps Car ; 1.86; 4100;occ; 87; 0;14161
33; 436.9; 14-NOV-2004 08:53:39; Dark ; 56.0; 70; Zet Pup ; 2.25; 39000;occ; 112; 0;14161
34; 664.6; 14-NOV-2004 08:57:27; Dark ; 50.5; 2; Alp Car ; -0.74; 7000;occ; 101; 0;14161
35; 778.3; 14-NOV-2004 08:59:21; Dark ; 83.0; 88; 31Eta CMA ; 2.45; 20000;occ; 166; 0;14161
36; 968.2; 14-NOV-2004 09:02:31; Dark ; 45.5; 9; Alp Eri ; 0.45; 24000;occ; 91; 0;14161
37; 1067.4; 14-NOV-2004 09:04:10; Dark ; 56.5; 108; Alp Col ; 2.65; 15200;occ; 113; 0;14161
38; 1194.4; 14-NOV-2004 09:06:17; Dark ; 41.5; 157; The1Eri ; 2.91; 9300;occ; 83; 0;14161
39; 1493.9; 14-NOV-2004 09:11:16; Dark ; 191.5; 1; 9Alp CMA ; -1.44; 11000;occ; 383; 0;14161

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Problem occurred when reading packet number 3677!

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1;-4411.1; 14-NOV-2004 09:13:27; Dark ; 212.0; 1; 9Alp CMA ; -1.44; 11000;occ; 424; 262;14161
2;-4236.4; 14-NOV-2004 09:16:22; Dark ; 89.5; 7; 19Bet Ori ; 0.10; 14000;occ; 179; 0;14161
3;-4062.5; 14-NOV-2004 09:19:16; Dark ; 50.0; 94; 92Alp Cet ; 2.53; 3100;occ; 100; 0;14161
4;-3775.2; 14-NOV-2004 09:24:03; Bright; 39.0; 105; 6Bet Ari ; 2.64; 8900;occ; 78; 0;14161

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5;-3632.9; 14-NOV-2004 09:26:26; Bright; 44.0; 146; 25Eta Tau ; 2.87; 15200;occ; 88; 0;14161
6;-3533.1; 14-NOV-2004 09:28:05; Bright; 36.5; 173; 4Bet Tri ; 3.00; 8900;occ; 73; 0;14161
7;-3410.0; 14-NOV-2004 09:30:08; Bright; 39.5; 73; 57Gam1And ; 2.26; 13100;occ; 79; 0;14161
8;-3320.9; 14-NOV-2004 09:31:38; Bright; 45.5; 149; 45Eps Per ; 2.89; 30000;occ; 91; 0;14161
9;-3216.5; 14-NOV-2004 09:33:22; Bright; 42.5; 35; 33Alp Per ; 1.79; 6250;occ; 85; 0;14161
10;-3107.7; 14-NOV-2004 09:35:11; Bright; 38.0; 110; 37Del Cas ; 2.68; 8900;occ; 76; 0;14161
11;-2986.5; 14-NOV-2004 09:37:12; Bright; 58.0; 6; 13Alp Aur ; 0.08; 3400;occ; 116; 0;14161
12;-2799.4; 14-NOV-2004 09:40:19; Bright; 64.5; 42; 34Bet Aur ; 1.90; 10200;occ; 129; 0;14161
13;-2616.4; 14-NOV-2004 09:43:22; Bright; 39.0; 49; 1Alp UMi ; 1.99; 6300;occ; 78; 0;14161
14;-2355.5; 14-NOV-2004 09:47:43; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;14161
15;-2245.5; 14-NOV-2004 09:49:33; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;14161
16;-2153.0; 14-NOV-2004 09:51:05; Bright; 43.5; 36; 50Alp UMa ; 1.80; 6300;occ; 87; 0;14161
17;-2054.7; 14-NOV-2004 09:52:44; Bright; 41.0; 82; 48Bet UMa ; 2.37; 10600;occ; 82; 0;14161
18;-1919.0; 14-NOV-2004 09:54:59; Bright; 34.0; 39; 85Eta UMa ; 1.85; 24000;occ; 68; 0;14161
19;-1813.2; 14-NOV-2004 09:56:45; Bright; 43.5; 174; 52Psi UMa ; 3.00; 4400;occ; 87; 0;14161
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29; -14.8; 14-NOV-2004 10:26:44; Dark ; 45.5; 12; Alp1Cru ; 0.77; 30000;occ; 91; 0;14161
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31; 208.8; 14-NOV-2004 10:30:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14162
32; 335.6; 14-NOV-2004 10:32:34; Dark ; 45.0; 41; Eps Car ; 1.86; 4100;occ; 90; 0;14162
33; 438.7; 14-NOV-2004 10:34:17; Dark ; 57.5; 70; Zet Pup ; 2.25; 39000;occ; 115; 0;14162
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37; 1068.4; 14-NOV-2004 10:44:47; Dark ; 56.5; 108; Alp Col ; 2.65; 15200;occ; 113; 3;14162
38; 1195.2; 14-NOV-2004 10:46:54; Dark ; 43.0; 157; The1Eri ; 2.91; 9300;occ; 86; 0;14162
39; 1494.4; 14-NOV-2004 10:51:53; Dark ; 193.0; 1; 9Alp CMa ;-1.44; 11000;occ; 386; 0;14162
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32; 336.7; 14-NOV-2004 12:13:11; Dark ; 43.0; 41; Eps Car ; 1.86; 4100;occ; 86; 0;14163

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35; 781.9; 14-NOV-2004 12:20:36; Dark ; 87.5; 88; 31Eta CMA ; 2.45; 20000;occ; 175; 0;14163
36; 968.5; 14-NOV-2004 12:23:43; Dark ; 40.0; 9; Alp Eri ; 0.45; 24000;occ; 80; 0;14163
37; 1069.1; 14-NOV-2004 12:25:23; Dark ; 53.5; 108; Alp Col ; 2.65; 15200;occ; 107; 0;14163
38; 1196.3; 14-NOV-2004 12:27:31; Dark ; 42.0; 157; The1Eri ; 2.91; 9300;occ; 84; 0;14163
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29; 105.9; 14-NOV-2004 13:49:56; Dark ; 40.5; 124; The Car ; 2.76; 30000;occ; 81; 0;14164
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32; 441.5; 14-NOV-2004 13:55:32; Dark ; 57.5; 70; Zet Pup ; 2.25; 39000;occ; 115; 0;14164
33; 666.6; 14-NOV-2004 13:59:17; Dark ; 49.0; 2; Alp Car ; -0.74; 7000;occ; 98; 0;14164
34; 783.8; 14-NOV-2004 14:01:14; Dark ; 84.5; 88; 31Eta CMA ; 2.45; 20000;occ; 169; 0;14164
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 33; 442.7; 14-NOV-2004 15:36:09; Dark ; 59.0; 70; Zet Pup ; 2.25; 39000;occ; 118; 0;14165  
 34; 667.7; 14-NOV-2004 15:39:54; Dark ; 61.0; 2; Alp Car ; -0.74; 7000;occ; 122; 0;14165  
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 38; 1196.9; 14-NOV-2004 15:48:43; Dark ; 41.0; 157; The1Eri ; 2.91; 9300;occ; 82; 0;14165

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Problem occurred when reading packet number 973!

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 32; 3037.5; 15-NOV-2004 04:03:35; Bright; 60.0; 6; 13Alp Aur ; 0.08; 3400;occ; 120; 0;14172  
 33; 3221.1; 15-NOV-2004 04:06:39; Bright; 60.0; 42; 34Bet Aur ; 1.90; 10200;occ; 120; 0;14172  
 34; 3421.2; 15-NOV-2004 04:09:59; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;14172

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 6;-1708.2; 15-NOV-2004 04:25:06; Bright; 35.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 70; 0;14172  
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 22; 1198.7; 15-NOV-2004 05:13:32; Dark ; 40.5; 157; The1Eri ; 2.91; 9300;occ; 81; 0;14173  
 23; 1500.2; 15-NOV-2004 05:18:34; Dark ; 77.5; 101; 11Alp Lep ; 2.58; 7000;occ; 155; 1;14173  
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 25; 1795.3; 15-NOV-2004 05:23:29; Dark ; 14.5; 7; 19Bet Ori ; 0.10; 14000;occ; 29; 0;14173  
 26; 1809.8; 15-NOV-2004 05:23:44; Dark ; 96.5; 7; 19Bet Ori ; 0.10; 14000;occ; 193; 29;14173  
 27; 1973.9; 15-NOV-2004 05:26:28; Dark ; 50.5; 94; 92Alp Cet ; 2.53; 3100;occ; 101; 0;14173  
 28; 2262.6; 15-NOV-2004 05:31:16; Bright; 37.5; 105; 6Bet Ari ; 2.64; 8900;occ; 75; 0;14173  
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 33; 3036.2; 15-NOV-2004 05:44:10; Bright; 58.5; 6; 13Alp Aur ; 0.08; 3400;occ; 117; 1;14173  
 34; 3219.4; 15-NOV-2004 05:47:13; Bright; 62.0; 42; 34Bet Aur ; 1.90; 10200;occ; 124; 2;14173  
 35; 3420.1; 15-NOV-2004 05:50:34; Bright; 39.0; 49; 1Alp UMi ; 1.99; 6300;occ; 78; 0;14173

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 8;-1194.7; 15-NOV-2004 06:14:15; Bright; 100.5; 166; 17Eps Leo ; 2.98; 6000;occ; 201; 0;14173  
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 15; 185.4; 15-NOV-2004 06:37:15; Dark ; 42.5; 91; Kap Vel ; 2.49; 26000;occ; 85; 0;14174  
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 19; 799.1; 15-NOV-2004 06:47:29; Dark ; 79.5; 88; 31Eta CMA ; 2.45; 20000;occ; 159; 0;14174  
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 21; 1076.3; 15-NOV-2004 06:52:06; Dark ; 57.0; 108; Alp Col ; 2.65; 15200;occ; 114; 0;14174  
 22; 1198.5; 15-NOV-2004 06:54:08; Dark ; 40.0; 157; The1Eri ; 2.91; 9300;occ; 80; 0;14174  
 23; 1500.4; 15-NOV-2004 06:59:10; Dark ; 78.5; 101; 11Alp Lep ; 2.58; 7000;occ; 157; 0;14174  
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 14;-2057.1; 15-NOV-2004 07:40:29; Bright; 43.5; 82; 48Bet UMa ; 2.37; 10600;occ; 87; 0;14174  
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 26; 110.7; 15-NOV-2004 08:16:36; Dark ; 39.5; 124; The Car ; 2.76; 30000;occ; 79; 0;14175  
 27; 219.7; 15-NOV-2004 08:18:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14175  
 28; 344.3; 15-NOV-2004 08:20:30; Dark ; 45.0; 41; Eps Car ; 1.86; 4100;occ; 90; 0;14175  
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 32; 936.5; 15-NOV-2004 08:30:22; Dark ; 89.5; 23; 21Eps CMa ; 1.50; 26000;occ; 179; 0;14175  
 33; 1077.0; 15-NOV-2004 08:32:43; Dark ; 59.0; 108; Alp Col ; 2.65; 15200;occ; 118; 0;14175  
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 27; 111.2; 15-NOV-2004 09:57:13; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;14176  
 28; 220.8; 15-NOV-2004 09:59:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14176  
 29; 344.8; 15-NOV-2004 10:01:06; Dark ; 45.0; 41; Eps Car ; 1.86; 4100;occ; 90; 0;14176  
 30; 456.3; 15-NOV-2004 10:02:58; Dark ; 56.5; 70; Zet Pup ; 2.25; 39000;occ; 113; 0;14176  
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17;-1813.9; 15-NOV-2004 11:05:43; Bright; 45.0; 174; 52Psi UMa ; 3.00; 4400;occ; 90; 0;14176
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 27; 112.2; 15-NOV-2004 13:18:25; Dark ; 38.0; 124; The Car ; 2.76; 3000;occ; 76; 0;14178  
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28; 2501.9; 18-NOV-2004 05:41:01; Bright; 36.5; 173; 4Bet Tri ; 3.00; 8900;occ; 73; 0;14216  
29; 2626.0; 18-NOV-2004 05:43:05; Bright; 38.0; 73; 57Gam1And ; 2.26; 13100;occ; 76; 0;14216  
30; 2800.7; 18-NOV-2004 05:46:00; Bright; 39.0; 35; 33Alp Per ; 1.79; 6250;occ; 78; 0;14216  
31; 2895.9; 18-NOV-2004 05:47:35; Bright; 38.5; 68; 18Alp Cas ; 2.22; 4500;occ; 77; 0;14216  
32; 2991.9; 18-NOV-2004 05:49:11; Bright; 56.5; 6; 13Alp Aur ; 0.08; 3400;occ; 113; 0;14216  
33; 3160.8; 18-NOV-2004 05:52:00; Bright; 60.0; 42; 34Bet Aur ; 1.90; 10200;occ; 120; 0;14216  
34; 3420.1; 18-NOV-2004 05:56:19; Bright; 38.5; 49; 1Alp UMi ; 1.99; 6300;occ; 77; 0;14216

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1;-2349.8; 18-NOV-2004 06:00:45; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;14216  
2;-2228.7; 18-NOV-2004 06:02:46; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;14216  
3;-2066.9; 18-NOV-2004 06:05:28; Bright; 44.0; 82; 48Bet UMa ; 2.37; 10600;occ; 88; 0;14216  
4;-1913.5; 18-NOV-2004 06:08:01; Bright; 45.0; 39; 85Eta UMa ; 1.85; 24000;occ; 90; 0;14216



5;-1819.9; 18-NOV-2004 06:09:35; Bright; 48.5; 174; 52Psi UMA ; 3.00; 4400;occ; 97; 0;14216  
6;-1704.8; 18-NOV-2004 06:11:30; Bright; 38.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 77; 0;14216  
7;-1575.5; 18-NOV-2004 06:13:39; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;14216  
8;-1424.7; 18-NOV-2004 06:16:10; Bright; 35.5; 3; 16Alp Boo ;-0.05; 4250;occ; 71; 0;14216  
9;-1281.8; 18-NOV-2004 06:18:33; Bright; 52.5; 96; 68Del Leo ; 2.56; 9300;occ; 105; 0;14216  
10;-1138.9; 18-NOV-2004 06:20:56; Bright; 89.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 178; 0;14216  
11; -838.0; 18-NOV-2004 06:25:57; Dark ; 104.5; 22; 32Alp Leo ; 1.36; 15200;occ; 209; 0;14216  
12; -629.2; 18-NOV-2004 06:29:26; Dark ; 45.5; 106; 9Bet Crv ; 2.65; 5600;occ; 91; 0;14216  
13; -236.9; 18-NOV-2004 06:35:58; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;14216  
14; -5.7; 18-NOV-2004 06:39:49; Dark ; 40.5; 12; Alp1Cru ; 0.77; 30000;occ; 81; 0;14216  
15; 127.1; 18-NOV-2004 06:42:02; Dark ; 40.0; 124; The Car ; 2.76; 30000;occ; 80; 0;14217  
16; 255.1; 18-NOV-2004 06:44:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14217  
17; 371.7; 18-NOV-2004 06:46:07; Dark ; 54.5; 41; Eps Car ; 1.86; 4100;occ; 109; 0;14217  
18; 505.8; 18-NOV-2004 06:48:21; Dark ; 57.0; 70; Zet Pup ; 2.25; 39000;occ; 114; 0;14217  
19; 702.1; 18-NOV-2004 06:51:37; Dark ; 45.5; 2; Alp Car ;-0.74; 7000;occ; 91; 0;14217  
20; 858.5; 18-NOV-2004 06:54:13; Dark ; 79.5; 88; 31Eta CMA ; 2.45; 20000;occ; 159; 0;14217  
21; 1015.6; 18-NOV-2004 06:56:50; Dark ; 95.0; 37; 25Del CMA ; 1.83; 5900;occ; 190; 0;14217  
22; 1208.8; 18-NOV-2004 07:00:04; Dark ; 39.0; 157; The1Eri ; 2.91; 9300;occ; 78; 0;14217  
23; 1503.8; 18-NOV-2004 07:04:59; Dark ; 167.5; 1; 9Alp CMA ;-1.44; 11000;occ; 335; 0;14217

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1;-4256.8; 18-NOV-2004 07:09:34; Dark ; 87.0; 7; 19Bet Ori ; 0.10; 14000;occ; 174; 0;14217  
2;-4063.8; 18-NOV-2004 07:12:47; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;14217  
3;-3769.2; 18-NOV-2004 07:17:42; Bright; 38.0; 105; 6Bet Ari ; 2.64; 8900;occ; 76; 0;14217  
4;-3659.0; 18-NOV-2004 07:19:32; Bright; 44.5; 146; 25Eta Tau ; 2.87; 15200;occ; 89; 0;14217  
5;-3533.8; 18-NOV-2004 07:21:37; Bright; 37.0; 173; 4Bet Tri ; 3.00; 8900;occ; 74; 0;14217  
6;-3410.0; 18-NOV-2004 07:23:41; Bright; 38.5; 73; 57Gam1And ; 2.26; 13100;occ; 77; 0;14217  
7;-3235.4; 18-NOV-2004 07:26:35; Bright; 41.5; 35; 33Alp Per ; 1.79; 6250;occ; 83; 0;14217  
8;-3139.6; 18-NOV-2004 07:28:11; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;14217  
9;-3044.7; 18-NOV-2004 07:29:46; Bright; 58.5; 6; 13Alp Aur ; 0.08; 3400;occ; 117; 0;14217  
10;-2877.0; 18-NOV-2004 07:32:34; Bright; 59.5; 42; 34Bet Aur ; 1.90; 10200;occ; 119; 0;14217  
11;-2615.5; 18-NOV-2004 07:36:55; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;14217  
12;-2349.2; 18-NOV-2004 07:41:22; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;14217  
13;-2228.0; 18-NOV-2004 07:43:23; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;14217  
14;-2066.5; 18-NOV-2004 07:46:04; Bright; 44.5; 82; 48Bet UMA ; 2.37; 10600;occ; 89; 0;14217  
15;-1912.7; 18-NOV-2004 07:48:38; Bright; 40.5; 39; 85Eta UMA ; 1.85; 24000;occ; 81; 0;14217  
16;-1820.2; 18-NOV-2004 07:50:11; Bright; 49.5; 174; 52Psi UMA ; 3.00; 4400;occ; 99; 0;14217  
17;-1704.1; 18-NOV-2004 07:52:07; Bright; 38.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 76; 0;14217  
18;-1574.9; 18-NOV-2004 07:54:16; Bright; 34.5; 83; ; 2.38; 11000;occ; 69; 0;14217  
19;-1424.5; 18-NOV-2004 07:56:46; Bright; 35.5; 3; 16Alp Boo ;-0.05; 4250;occ; 71; 0;14217  
20;-1281.3; 18-NOV-2004 07:59:09; Bright; 51.0; 96; 68Del Leo ; 2.56; 9300;occ; 102; 0;14217  
21;-1138.2; 18-NOV-2004 08:01:33; Bright; 84.5; 51; 41Gam1Leo ; 2.01; 4500;occ; 169; 0;14217  
22; -836.2; 18-NOV-2004 08:06:35; Dark ; 109.5; 22; 32Alp Leo ; 1.36; 15200;occ; 219; 0;14217  
23; -628.6; 18-NOV-2004 08:10:02; Dark ; 45.0; 106; 9Bet Crv ; 2.65; 5600;occ; 90; 0;14217  
24; -236.3; 18-NOV-2004 08:16:34; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;14217  
25; -5.0; 18-NOV-2004 08:20:26; Dark ; 39.0; 12; Alp1Cru ; 0.77; 30000;occ; 78; 0;14217  
26; 127.4; 18-NOV-2004 08:22:38; Dark ; 40.0; 124; The Car ; 2.76; 30000;occ; 80; 0;14218  
27; 255.9; 18-NOV-2004 08:24:47; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14218  
28; 372.1; 18-NOV-2004 08:26:43; Dark ; 57.5; 41; Eps Car ; 1.86; 4100;occ; 115; 0;14218  
29; 507.4; 18-NOV-2004 08:28:58; Dark ; 56.5; 70; Zet Pup ; 2.25; 39000;occ; 113; 0;14218  
30; 702.7; 18-NOV-2004 08:32:14; Dark ; 55.0; 2; Alp Car ;-0.74; 7000;occ; 110; 0;14218  
31; 861.7; 18-NOV-2004 08:34:52; Dark ; 82.5; 88; 31Eta CMA ; 2.45; 20000;occ; 165; 0;14218  
32; 1015.2; 18-NOV-2004 08:37:26; Dark ; 97.0; 37; 25Del CMA ; 1.83; 5900;occ; 194; 0;14218  
33; 1209.0; 18-NOV-2004 08:40:40; Dark ; 38.5; 157; The1Eri ; 2.91; 9300;occ; 77; 0;14218  
34; 1504.3; 18-NOV-2004 08:45:35; Dark ; 166.0; 1; 9Alp CMA ;-1.44; 11000;occ; 332; 0;14218

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Problem occurred when reading packet number 2335!

1;-4380.6; 18-NOV-2004 08:48:06; Dark ; 166.5; 1; 9Alp CMA ;-1.44; 11000;occ; 333; 302;14218  
2;-4256.1; 18-NOV-2004 08:50:11; Dark ; 76.5; 7; 19Bet Ori ; 0.10; 14000;occ; 153; 0;14218  
3;-4063.8; 18-NOV-2004 08:53:23; Dark ; 45.5; 94; 92Alp Cet ; 2.53; 3100;occ; 91; 0;14218  
4;-3769.1; 18-NOV-2004 08:58:18; Bright; 38.5; 105; 6Bet Ari ; 2.64; 8900;occ; 77; 0;14218  
5;-3659.3; 18-NOV-2004 09:00:07; Bright; 45.0; 146; 25Eta Tau ; 2.87; 15200;occ; 90; 0;14218  
6;-3534.0; 18-NOV-2004 09:02:13; Bright; 38.5; 173; 4Bet Tri ; 3.00; 8900;occ; 77; 0;14218  
7;-3409.9; 18-NOV-2004 09:04:17; Bright; 39.5; 73; 57Gam1And ; 2.26; 13100;occ; 79; 0;14218  
8;-3235.9; 18-NOV-2004 09:07:11; Bright; 41.5; 35; 33Alp Per ; 1.79; 6250;occ; 83; 0;14218  
9;-3139.6; 18-NOV-2004 09:08:47; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;14218  
10;-3045.6; 18-NOV-2004 09:10:21; Bright; 60.0; 6; 13Alp Aur ; 0.08; 3400;occ; 120; 0;14218  
11;-2878.0; 18-NOV-2004 09:13:09; Bright; 58.5; 42; 34Bet Aur ; 1.90; 10200;occ; 117; 0;14218  
12;-2615.4; 18-NOV-2004 09:17:31; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;14218

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13;-2349.5; 18-NOV-2004 09:21:57; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;14218
14;-2227.0; 18-NOV-2004 09:24:00; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;14218
15;-2067.0; 18-NOV-2004 09:26:40; Bright; 43.0; 82; 48Bet UMa ; 2.37; 10600;occ; 86; 0;14218
16;-1911.8; 18-NOV-2004 09:29:15; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;14218
17;-1820.2; 18-NOV-2004 09:30:46; Bright; 48.0; 174; 52Psi UMa ; 3.00; 4400;occ; 96; 0;14218
18;-1703.9; 18-NOV-2004 09:32:43; Bright; 37.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 75; 0;14218
19;-1575.0; 18-NOV-2004 09:34:52; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;14218
20;-1424.3; 18-NOV-2004 09:37:22; Bright; 35.5; 3; 16Alp Boo ;-0.05; 4250;occ; 71; 0;14218
21;-1280.5; 18-NOV-2004 09:39:46; Bright; 55.5; 96; 68Del Leo ; 2.56; 9300;occ; 111; 0;14218
22;-1136.9; 18-NOV-2004 09:42:10; Bright; 90.5; 51; 41Gam1Leo ; 2.01; 4500;occ; 181; 0;14218
23; -834.3; 18-NOV-2004 09:47:12; Dark ; 103.0; 22; 32Alp Leo ; 1.36; 15200;occ; 206; 0;14218
24; -628.0; 18-NOV-2004 09:50:39; Dark ; 46.0; 106; 9Bet Crv ; 2.65; 5600;occ; 92; 0;14218
25; -236.0; 18-NOV-2004 09:57:11; Dark ; 39.0; 64; Gam Cen ; 2.20; 10600;occ; 78; 29;14218
26; -5.2; 18-NOV-2004 10:01:01; Dark ; 50.0; 12; Alp1Cru ; 0.77; 30000;occ; 100; 0;14218
27; 127.3; 18-NOV-2004 10:03:14; Dark ; 40.0; 124; The Car ; 2.76; 30000;occ; 80; 0;14219
28; 256.9; 18-NOV-2004 10:05:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14219
29; 372.5; 18-NOV-2004 10:07:19; Dark ; 48.5; 41; Eps Car ; 1.86; 4100;occ; 97; 0;14219
30; 508.3; 18-NOV-2004 10:09:35; Dark ; 59.5; 70; Zet Pup ; 2.25; 39000;occ; 119; 0;14219
31; 703.1; 18-NOV-2004 10:12:50; Dark ; 53.0; 2; Alp Car ;-0.74; 7000;occ; 106; 0;14219
32; 861.3; 18-NOV-2004 10:15:28; Dark ; 81.0; 88; 31Eta CMa ; 2.45; 20000;occ; 162; 0;14219
33; 1018.8; 18-NOV-2004 10:18:05; Dark ; 97.5; 37; 25Del CMa ; 1.83; 5900;occ; 195; 0;14219
34; 1209.1; 18-NOV-2004 10:21:16; Dark ; 40.5; 157; The1Eri ; 2.91; 9300;occ; 81; 0;14219
35; 1504.8; 18-NOV-2004 10:26:12; Dark ; 159.5; 1; 9Alp CMa ;-1.44; 11000;occ; 319; 0;14219
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2;-4256.3; 18-NOV-2004 10:30:46; Dark ; 81.0; 7; 19Bet Ori ; 0.10; 14000;occ; 162; 0;14219
3;-4064.0; 18-NOV-2004 10:33:59; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 0;14219
4;-3769.1; 18-NOV-2004 10:38:53; Bright; 38.5; 105; 6Bet Ari ; 2.64; 8900;occ; 77; 0;14219
5;-3660.7; 18-NOV-2004 10:40:42; Bright; 46.0; 146; 25Eta Tau ; 2.87; 15200;occ; 92; 0;14219
6;-3534.2; 18-NOV-2004 10:42:48; Bright; 37.0; 173; 4Bet Tri ; 3.00; 8900;occ; 74; 0;14219
7;-3410.2; 18-NOV-2004 10:44:52; Bright; 37.0; 73; 57Gam1And ; 2.26; 13100;occ; 74; 0;14219
8;-3236.6; 18-NOV-2004 10:47:46; Bright; 42.5; 35; 33Alp Per ; 1.79; 6250;occ; 85; 0;14219
9;-3139.6; 18-NOV-2004 10:49:23; Bright; 38.5; 68; 18Alp Cas ; 2.22; 4500;occ; 77; 0;14219
10;-3046.6; 18-NOV-2004 10:50:56; Bright; 63.5; 6; 13Alp Aur ; 0.08; 3400;occ; 127; 0;14219
11;-2879.0; 18-NOV-2004 10:53:44; Bright; 61.0; 42; 34Bet Aur ; 1.90; 10200;occ; 122; 0;14219
12;-2616.4; 18-NOV-2004 10:58:06; Bright; 39.5; 49; 1Alp UMi ; 1.99; 6300;occ; 79; 0;14219
13;-2351.7; 18-NOV-2004 11:02:31; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;14219
14;-2227.8; 18-NOV-2004 11:04:35; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;14219
15;-2066.6; 18-NOV-2004 11:07:16; Bright; 43.0; 82; 48Bet UMa ; 2.37; 10600;occ; 86; 0;14219
16;-1912.1; 18-NOV-2004 11:09:50; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;14219
17;-1819.3; 18-NOV-2004 11:11:23; Bright; 47.5; 174; 52Psi UMa ; 3.00; 4400;occ; 95; 0;14219
18;-1703.8; 18-NOV-2004 11:13:19; Bright; 54.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 108; 0;14219
19;-1575.6; 18-NOV-2004 11:15:27; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;14219
20;-1424.8; 18-NOV-2004 11:17:58; Bright; 36.0; 3; 16Alp Boo ;-0.05; 4250;occ; 72; 0;14219
21;-1279.9; 18-NOV-2004 11:20:23; Bright; 52.5; 96; 68Del Leo ; 2.56; 9300;occ; 105; 0;14219
22;-1135.8; 18-NOV-2004 11:22:47; Bright; 89.5; 51; 41Gam1Leo ; 2.01; 4500;occ; 179; 0;14219
23; -832.3; 18-NOV-2004 11:27:50; Dark ; 107.5; 22; 32Alp Leo ; 1.36; 15200;occ; 215; 0;14219
24; -628.1; 18-NOV-2004 11:31:14; Dark ; 46.5; 106; 9Bet Crv ; 2.65; 5600;occ; 93; 0;14219
25; -236.1; 18-NOV-2004 11:37:46; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;14219
26; -5.1; 18-NOV-2004 11:41:37; Dark ; 46.0; 12; Alp1Cru ; 0.77; 30000;occ; 92; 0;14219
27; 127.7; 18-NOV-2004 11:43:50; Dark ; 39.5; 124; The Car ; 2.76; 30000;occ; 79; 0;14220
28; 257.7; 18-NOV-2004 11:46:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14220
29; 373.1; 18-NOV-2004 11:47:56; Dark ; 46.5; 41; Eps Car ; 1.86; 4100;occ; 93; 0;14220
30; 509.6; 18-NOV-2004 11:50:12; Dark ; 59.5; 70; Zet Pup ; 2.25; 39000;occ; 119; 0;14220
31; 702.8; 18-NOV-2004 11:53:25; Dark ; 50.0; 2; Alp Car ;-0.74; 7000;occ; 100; 0;14220
32; 862.7; 18-NOV-2004 11:56:05; Dark ; 86.5; 88; 31Eta CMa ; 2.45; 20000;occ; 173; 0;14220
33; 1019.4; 18-NOV-2004 11:58:42; Dark ; 103.0; 37; 25Del CMa ; 1.83; 5900;occ; 206; 0;14220
34; 1209.2; 18-NOV-2004 12:01:52; Dark ; 39.0; 157; The1Eri ; 2.91; 9300;occ; 78; 0;14220
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2;-4257.0; 18-NOV-2004 12:11:21; Dark ; 75.5; 7; 19Bet Ori ; 0.10; 14000;occ; 151; 0;14220
3;-4064.0; 18-NOV-2004 12:14:34; Dark ; 49.5; 94; 92Alp Cet ; 2.53; 3100;occ; 99; 0;14220
4;-3769.3; 18-NOV-2004 12:19:29; Bright; 38.5; 105; 6Bet Ari ; 2.64; 8900;occ; 77; 0;14220
5;-3660.7; 18-NOV-2004 12:21:18; Bright; 44.5; 146; 25Eta Tau ; 2.87; 15200;occ; 89; 0;14220
6;-3534.3; 18-NOV-2004 12:23:24; Bright; 36.0; 173; 4Bet Tri ; 3.00; 8900;occ; 72; 0;14220
7;-3410.2; 18-NOV-2004 12:25:28; Bright; 36.0; 73; 57Gam1And ; 2.26; 13100;occ; 72; 0;14220
8;-3236.7; 18-NOV-2004 12:28:22; Bright; 41.0; 35; 33Alp Per ; 1.79; 6250;occ; 82; 0;14220
9;-3139.4; 18-NOV-2004 12:29:59; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;14220

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10;-2880.3; 18-NOV-2004 12:34:18; Bright; 61.0; 42; 34Bet Aur ; 1.90; 10200;occ; 122; 0;14220
11;-2615.5; 18-NOV-2004 12:38:43; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;14220
12;-2349.8; 18-NOV-2004 12:43:09; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;14220
13;-2227.4; 18-NOV-2004 12:45:11; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;14220
14;-2066.8; 18-NOV-2004 12:47:52; Bright; 43.0; 82; 48Bet UMA ; 2.37; 10600;occ; 86; 0;14220
15;-1912.3; 18-NOV-2004 12:50:26; Bright; 37.0; 39; 85Eta UMA ; 1.85; 24000;occ; 74; 0;14220
16;-1819.8; 18-NOV-2004 12:51:59; Bright; 46.0; 174; 52Psi UMA ; 3.00; 4400;occ; 92; 0;14220
17;-1703.9; 18-NOV-2004 12:53:55; Bright; 36.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 73; 0;14220
18;-1575.4; 18-NOV-2004 12:56:03; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;14220
19;-1424.6; 18-NOV-2004 12:58:34; Bright; 35.5; 3; 16Alp Boo ; -0.05; 4250;occ; 71; 0;14220
20;-1280.0; 18-NOV-2004 13:00:58; Bright; 73.0; 96; 68Del Leo ; 2.56; 9300;occ; 146; 0;14220
21;-1135.1; 18-NOV-2004 13:03:23; Bright; 92.5; 51; 41Gam1Leo ; 2.01; 4500;occ; 185; 0;14220
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32; 2986.0; 23-NOV-2004 06:32:12; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;14288
33; 3419.9; 23-NOV-2004 06:39:26; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;14288
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3; 1066.1; 23-NOV-2004 21:05:36; Dark ; 75.5; 23; 21Eps CMA ; 1.50; 26000;occ; 151; 0;14297
4; 1224.5; 23-NOV-2004 21:08:14; Dark ; 41.5; 157; The1Eri ; 2.91; 9300;occ; 83; 0;14297
5; 1516.4; 23-NOV-2004 21:13:06; Dark ; 127.0; 1; 9Alp CMA ;-1.44; 11000;occ; 254; 0;14297
6; 1759.8; 23-NOV-2004 21:17:09; Dark ; 70.0; 7; 19Bet Ori ; 0.10; 14000;occ; 140; 0;14297
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9; 2505.6; 23-NOV-2004 21:29:35; Bright; 36.5; 173; 4Bet Tri ; 3.00; 8900;occ; 73; 0;14297
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12; 2915.8; 23-NOV-2004 21:36:25; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;14297
13; 2988.7; 23-NOV-2004 21:37:38; Bright; 38.0; 74; 11Bet Cas ; 2.27; 6600;occ; 76; 0;14297

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 16; 3831.9; 23-NOV-2004 21:51:41; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;14297  
 17; 3948.8; 23-NOV-2004 21:53:38; Bright; 46.0; 82; 48Bet UMa ; 2.37; 10600;occ; 92; 0;14297  
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 23; 4793.6; 23-NOV-2004 22:07:43; Bright; 59.5; 96; 68Del Leo ; 2.56; 9300;occ; 119; 0;14297  
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 5; 12.9; 23-NOV-2004 22:28:38; Dark ; 50.0; 12; Alp1Cru ; 0.77; 30000;occ; 100; 0;14298  
 6; 159.8; 23-NOV-2004 22:31:05; Dark ; 39.5; 124; The Car ; 2.76; 30000;occ; 79; 0;14298  
 7; 324.3; 23-NOV-2004 22:33:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14298  
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 26; 3948.4; 23-NOV-2004 23:34:14; Bright; 45.5; 82; 48Bet UMa ; 2.37; 10600;occ; 91; 0;14298  
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 28; 4130.9; 23-NOV-2004 23:37:16; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;14298  
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 30; 4475.0; 23-NOV-2004 23:43:00; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;14298  
 31; 4625.8; 23-NOV-2004 23:45:31; Bright; 35.0; 3; 16Alp Boo ; -0.05; 4250;occ; 70; 0;14298  
 32; 4795.2; 23-NOV-2004 23:48:21; Bright; 57.5; 96; 68Del Leo ; 2.56; 9300;occ; 115; 0;14298  
 33; 4993.0; 23-NOV-2004 23:51:38; Dark ; 120.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 240; 0;14298

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 21; 2916.0; 24-NOV-2004 00:57:37; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;14299  
 22; 2988.6; 24-NOV-2004 00:58:50; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;14299



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25; 3831.8; 24-NOV-2004 01:12:53; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;14299
26; 3948.0; 24-NOV-2004 01:14:49; Bright; 44.0; 82; 48Bet UMa ; 2.37; 10600;occ; 88; 0;14299
27; 4040.1; 24-NOV-2004 01:16:21; Bright; 42.5; 87; 64Gam UMa ; 2.43; 11000;occ; 85; 0;14299
28; 4130.9; 24-NOV-2004 01:17:52; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;14299
29; 4296.4; 24-NOV-2004 01:20:38; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;14299
30; 4474.6; 24-NOV-2004 01:23:36; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;14299
31; 4626.2; 24-NOV-2004 01:26:07; Bright; 35.0; 3; 16Alp Boo ; -0.05; 4250;occ; 70; 0;14299
32; 4795.7; 24-NOV-2004 01:28:57; Bright; 60.0; 96; 68Del Leo ; 2.56; 9300;occ; 120; 0;14299
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4; -4273.4; 23-NOV-2004 17:56:00; Dark ; 73.0; 7; 19Bet Ori ; 0.10; 14000;occ; 146; 0;14295
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14; -2205.4; 23-NOV-2004 18:30:28; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;14295
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16; -1995.3; 23-NOV-2004 18:33:58; Bright; 42.5; 87; 64Gam UMa ; 2.43; 11000;occ; 85; 0;14295
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22; -1047.2; 23-NOV-2004 18:49:46; Dark ; 125.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 250; 0;14295
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28; 159.1; 23-NOV-2004 19:09:53; Dark ; 39.5; 124; The Car ; 2.76; 30000;occ; 79; 0;14296
29; 322.5; 23-NOV-2004 19:12:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14296
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31; 512.6; 23-NOV-2004 19:15:46; Dark ; 50.0; 34; Gam2Vel ; 1.79; 23000;occ; 100; 0;14296
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6; -4052.2; 23-NOV-2004 19:40:17; Dark ; 76.0; 30; 46Eps Ori ; 1.69; 30000;occ; 152; 0;14296
7; -3759.2; 23-NOV-2004 19:45:10; Bright; 39.5; 105; 6Bet Ari ; 2.64; 8900;occ; 79; 0;14296
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7;-1557.1; 25-NOV-2004 07:34:27; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;14317
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7; 423.1; 24-NOV-2004 01:56:40; Dark ; 46.5; 41; Eps Car ; 1.86; 4100;occ; 93; 0;14300
8; 516.3; 24-NOV-2004 01:58:13; Dark ; 52.5; 34; Gam2Vel ; 1.79; 23000;occ; 105; 0;14300
9; 750.0; 24-NOV-2004 02:02:07; Dark ; 53.5; 2; Alp Car ;-0.74; 7000;occ; 107; 0;14300
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13; 1517.4; 24-NOV-2004 02:14:55; Dark ; 117.5; 1; 9Alp CMA ;-1.44; 11000;occ; 235; 0;14300
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8;-1396.5; 29-NOV-2004 05:30:39; Bright; 36.5; 3; 16Alp Boo ;-0.05; 4250;occ; 73; 0;14373
9;-1191.5; 29-NOV-2004 05:34:04; Bright; 70.0; 96; 68Del Leo ; 2.56; 9300;occ; 140; 0;14373
10;-886.9; 29-NOV-2004 05:39:09; Dark ; 201.5; 51; 41Gam1Leo ; 2.01; 4500;occ; 403; 0;14373
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12;-423.6; 29-NOV-2004 05:46:52; Dark ; 43.0; 123; Iot Cen ; 2.75; 10200;occ; 86; 0;14373
13;-177.7; 29-NOV-2004 05:50:58; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;14373
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17; 470.3; 29-NOV-2004 06:01:46; Dark ; 48.0; 41; Eps Car ; 1.86; 4100;occ; 96; 0;14374
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27; 2106.9; 29-NOV-2004 06:29:03; Dark ; 65.5; 27; 24Gam Ori ; 1.64; 26000;occ; 131; 0;14374
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33; 2817.9; 29-NOV-2004 06:40:54; Bright; 38.5; 160; 23Gam Per ; 2.93; 4700;occ; 77; 0;14374
34; 2952.3; 29-NOV-2004 06:43:08; Bright; 37.0; 110; 37Del Cas ; 2.68; 8900;occ; 74; 0;14374
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13;-177.2; 29-NOV-2004 07:31:35; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;14374
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17; 471.2; 29-NOV-2004 07:42:23; Dark ; 44.0; 41; Eps Car ; 1.86; 4100;occ; 88; 0;14375
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21; 1128.4; 29-NOV-2004 07:53:20; Dark ; 74.5; 23; 21Eps CMA ; 1.50; 26000;occ; 149; 0;14375
22; 1259.2; 29-NOV-2004 07:55:31; Dark ; 79.0; 179; 240mi2CMA ; 3.03; 24000;occ; 158; 0;14375
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12;-2616.8; 29-NOV-2004 08:31:31; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;14375
13;-2337.7; 29-NOV-2004 08:36:10; Bright; 43.0; 60; 7Bet UMi ; 2.08; 3950;occ; 86; 0;14375

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 32; 1261.7; 29-NOV-2004 09:36:09; Dark ; 74.5; 179; 240mi2CMa ; 3.03; 24000;occ; 149; 0;14376  
 33; 1526.6; 29-NOV-2004 09:40:34; Dark ; 103.5; 1; 9Alp CMa ;-1.44; 11000;occ; 207; 0;14376  
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 19;-1395.9; 29-NOV-2004 10:32:28; Bright; 36.0; 3; 16Alp Boo ;-0.05; 4250;occ; 72; 0;14376  
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 27; 472.1; 29-NOV-2004 11:03:36; Dark ; 46.0; 41; Eps Car ; 1.86; 4100;occ; 92; 0;14377  
 28; 587.4; 29-NOV-2004 11:05:31; Dark ; 50.0; 34; Gam2Vel ; 1.79; 23000;occ; 100; 0;14377  
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32; 1130.7; 29-NOV-2004 12:55:10; Dark ; 71.5; 23; 21Eps CMa ; 1.50; 26000;occ; 143; 0;14378
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