

# GOMOS Daily Report 12-JAN-2004

## SUMMARY

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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 | 13JAN2004 06:47:26               |
| Data source version       | <Any version>                    |
| Start time of products    | 12-JAN-2004 (12JAN2004 00:00:00) |
| Stop time of products     | 13-JAN-2004 (13JAN2004 00:00:00) |
| Store outputs flag        | 1                                |
| Nb of level 1b prods      | 28                               |
| Nb of prods with errors   | 0                                |

## 2. Summary of products arrived in PCF

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

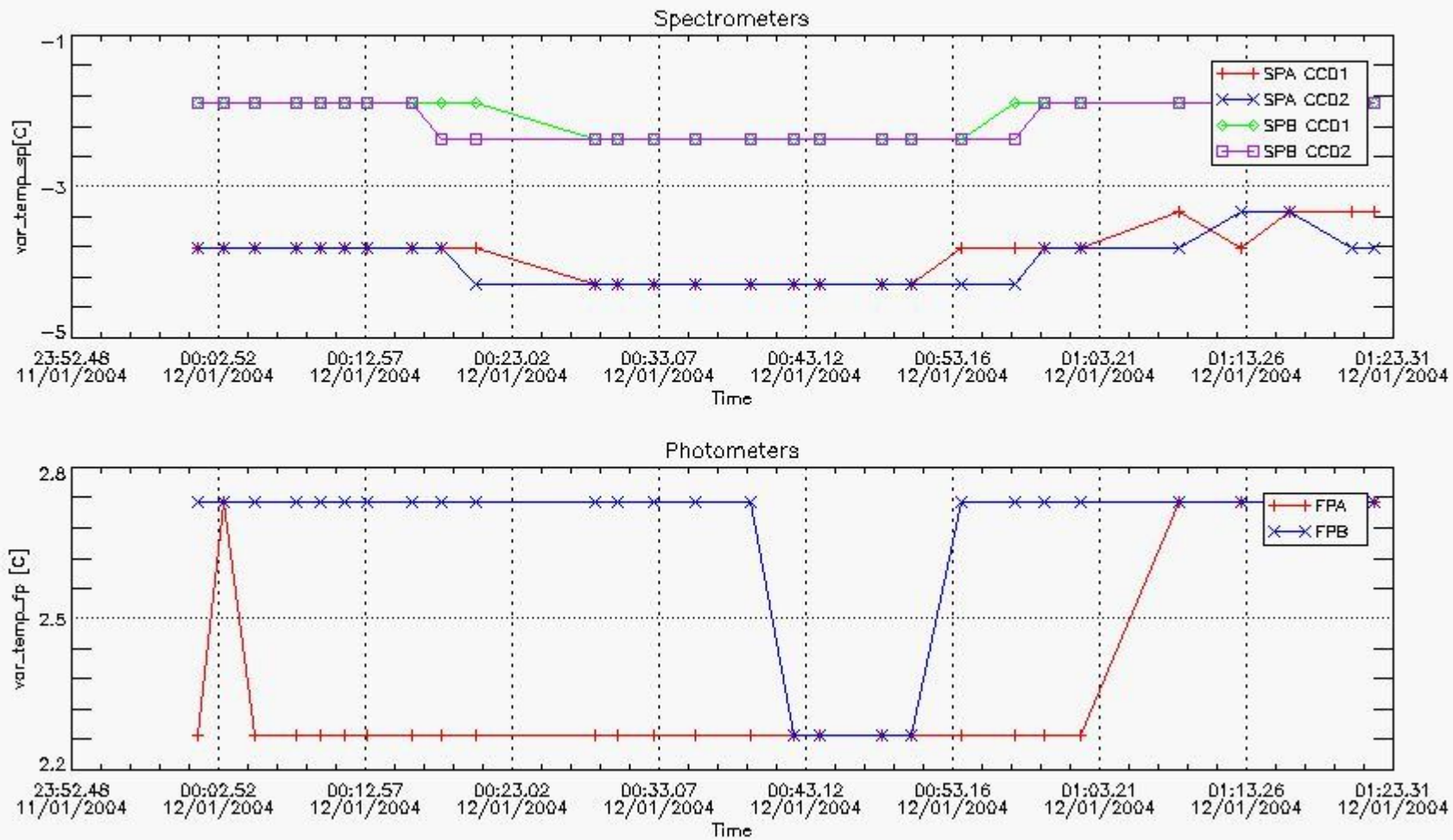
[2.2 Summary of processed GOM\\_TRA\\_1P products.](#)

| Filename | UTC Start time | Limb | Duration | Star Id | Star Name | Star Mag | Star Temp | Nb Meas | Orbit | Prod. error |
|----------|----------------|------|----------|---------|-----------|----------|-----------|---------|-------|-------------|
|----------|----------------|------|----------|---------|-----------|----------|-----------|---------|-------|-------------|

|  |                      |        |        |     |           |           |        |     |      |    |
|--|----------------------|--------|--------|-----|-----------|-----------|--------|-----|------|----|
| GOM_TRA_1PNPDE20040112_000130_000000462023_00188_09761_0003.N1 | 12-JAN-2004 00:01:30 | Dark   | 46.000 | 7   | 19Bet Ori | 0.10000   | 14000. | 92  | 9761 | No |
| GOM_TRA_1PNPDE20040112_000312_000000452023_00188_09761_0004.N1 | 12-JAN-2004 00:03:12 | Dark   | 45.000 | 30  | 46Eps Ori | 1.6940    | 30000. | 90  | 9761 | No |
| GOM_TRA_1PNPDE20040112_000524_000000672023_00188_09761_0005.N1 | 12-JAN-2004 00:05:24 | Dark   | 67.000 | 8   | 10Alp CMi | 0.40000   | 6500.0 | 134 | 9761 | No |
| GOM_TRA_1PNPDE20040112_000811_000000462023_00188_09761_0006.N1 | 12-JAN-2004 00:08:11 | Dark   | 45.500 | 44  | 24Gam Gem | 1.9280    | 11000. | 91  | 9761 | No |
| GOM_TRA_1PNPDE20040112_000953_000000452023_00188_09761_0007.N1 | 12-JAN-2004 00:09:53 | Bright | 44.500 | 151 | 13Mu Gem  | 2.8900    | 3000.0 | 89  | 9761 | No |
| GOM_TRA_1PNPDE20040112_001134_000000402023_00188_09761_0008.N1 | 12-JAN-2004 00:11:34 | Bright | 39.500 | 28  | 12Bet Tau | 1.6500    | 15200. | 79  | 9761 | No |
| GOM_TRA_1PNPDE20040112_001301_000000422023_00188_09761_0009.N1 | 12-JAN-2004 00:13:01 | Bright | 41.500 | 114 | 3Iot Aur  | 2.6930    | 4600.0 | 83  | 9761 | No |
| GOM_TRA_1PNPDE20040112_001611_000000392023_00188_09761_0010.N1 | 12-JAN-2004 00:16:11 | Bright | 39.000 | 42  | 34Bet Aur | 1.9000    | 10200. | 78  | 9761 | No |
| GOM_TRA_1PNPDE20040112_001813_000000372023_00188_09761_0011.N1 | 12-JAN-2004 00:18:13 | Bright | 36.500 | 175 | 39Del Per | 3.0100    | 19400. | 73  | 9761 | No |
| GOM_TRA_1PNPDE20040112_002031_000000392023_00188_09761_0012.N1 | 12-JAN-2004 00:20:31 | Bright | 39.000 | 160 | 23Gam Per | 2.9300    | 4700.0 | 78  | 9761 | No |
| GOM_TRA_1PNPDE20040112_002840_000000382023_00188_09761_0013.N1 | 12-JAN-2004 00:28:40 | Bright | 38.000 | 49  | 1Alp UMi  | 1.9900    | 6300.0 | 76  | 9761 | No |
| GOM_TRA_1PNPDE20040112_003019_000000542023_00188_09761_0014.N1 | 12-JAN-2004 00:30:19 | Bright | 54.000 | 82  | 48Bet UMa | 2.3650    | 10600. | 108 | 9761 | No |
| GOM_TRA_1PNPDE20040112_003247_000000412023_00188_09761_0015.N1 | 12-JAN-2004 00:32:47 | Bright | 41.000 | 60  | 7Bet UMi  | 2.0810    | 3950.0 | 82  | 9761 | No |
| GOM_TRA_1PNPDE20040112_003535_000000512023_00188_09761_0016.N1 | 12-JAN-2004 00:35:35 | Bright | 51.000 | 32  | 77Eps UMa | 1.7630    | 11000. | 102 | 9761 | No |
| GOM_TRA_1PNPDE20040112_003926_000000382023_00188_09761_0017.N1 | 12-JAN-2004 00:39:26 | Bright | 38.000 | 130 | 23Bet Dra | 2.7990    | 5800.0 | 76  | 9761 | No |
| GOM_TRA_1PNPDE20040112_004225_000000392023_00188_09761_0018.N1 | 12-JAN-2004 00:42:25 | Bright | 38.500 | 5   | 3Alp Lyr  | 0.033000  | 11000. | 77  | 9761 | No |
| GOM_TRA_1PNPDE20040112_004411_000000482023_00188_09761_0019.N1 | 12-JAN-2004 00:44:11 | Bright | 47.500 | 180 | 27Gam Boo | 3.0400    | 8000.0 | 95  | 9761 | No |
| GOM_TRA_1PNPDE20040112_004826_000000552023_00188_09761_0020.N1 | 12-JAN-2004 00:48:26 | Bright | 54.500 | 83  |           | 2.3780    | 11000. | 109 | 9761 | No |
| GOM_TRA_1PNPDE20040112_005025_000000382023_00188_09761_0021.N1 | 12-JAN-2004 00:50:25 | Bright | 38.000 | 59  | 55Alp Oph | 2.0800    | 8900.0 | 76  | 9761 | No |
| GOM_TRA_1PNPDE20040112_005353_000000852023_00188_09761_0022.N1 | 12-JAN-2004 00:53:53 | Dark   | 85.000 | 111 | 8Eta Boo  | 2.6800    | 6000.0 | 170 | 9761 | No |
| GOM_TRA_1PNPDE20040112_005735_000000462023_00188_09761_0023.N1 | 12-JAN-2004 00:57:35 | Bright | 45.500 | 98  | 13Zet Oph | 2.5710    | 30000. | 91  | 9761 | No |
| GOM_TRA_1PNPDE20040112_005934_000000502023_00188_09761_0024.N1 | 12-JAN-2004 00:59:34 | Dark   | 49.500 | 104 | 27Bet Lib | 2.6140    | 13100. | 99  | 9761 | No |
| GOM_TRA_1PNPDE20040112_010204_000000472023_00188_09761_0025.N1 | 12-JAN-2004 01:02:04 | Dark   | 47.000 | 16  | 21Alp Sco | 1.0200    | 3000.0 | 94  | 9761 | No |
| GOM_TRA_1PNPDE20040112_010846_000000902023_00188_09761_0026.N1 | 12-JAN-2004 01:08:46 | Dark   | 90.000 | 15  | 67Alp Vir | 0.97600   | 28000. | 180 | 9761 | No |
| GOM_TRA_1PNPDE20040112_011305_000000442023_00189_09762_0027.N1 | 12-JAN-2004 01:13:05 | Dark   | 43.500 | 4   | Alp1Cen   | -0.010000 | 5800.0 | 87  | 9762 | No |
| GOM_TRA_1PNPDE20040112_011624_000000462023_00189_09762_0028.N1 | 12-JAN-2004 01:16:24 | Dark   | 46.000 | 20  | Bet Cru   | 1.2530    | 30000. | 92  | 9762 | No |
| GOM_TRA_1PNPDE20040112_012039_000000402023_00189_09762_0029.N1 | 12-JAN-2004 01:20:39 | Dark   | 39.500 | 124 | The Car   | 2.7640    | 30000. | 79  | 9762 | No |
| GOM_TRA_1PNPDE20040112_012211_000000412023_00189_09762_0030.N1 | 12-JAN-2004 01:22:11 | Dark   | 40.500 | 29  | Bet Car   | 1.6720    | 10200. | 81  | 9762 | No |

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





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

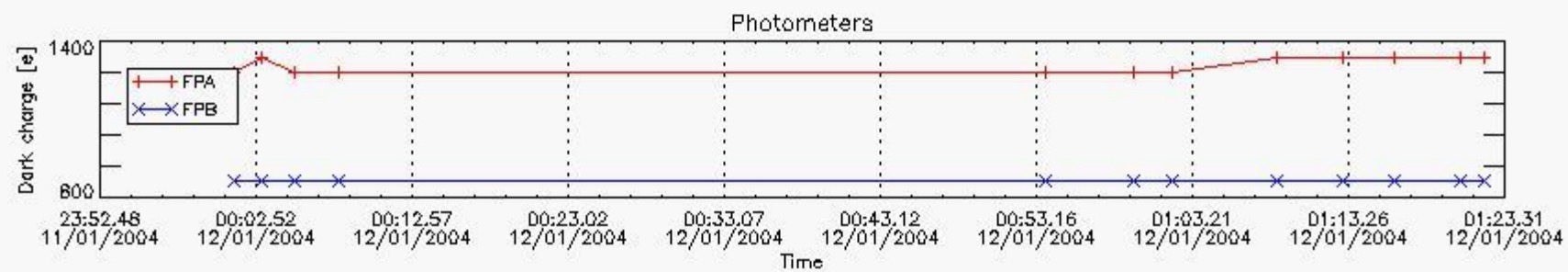
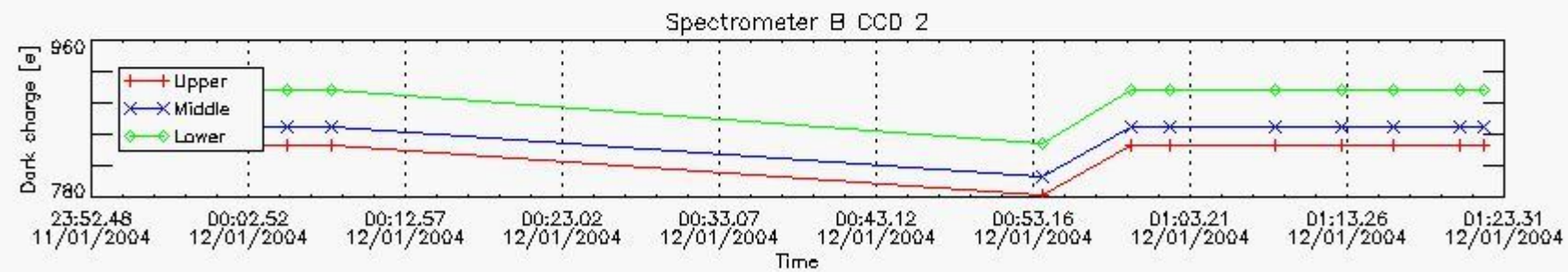
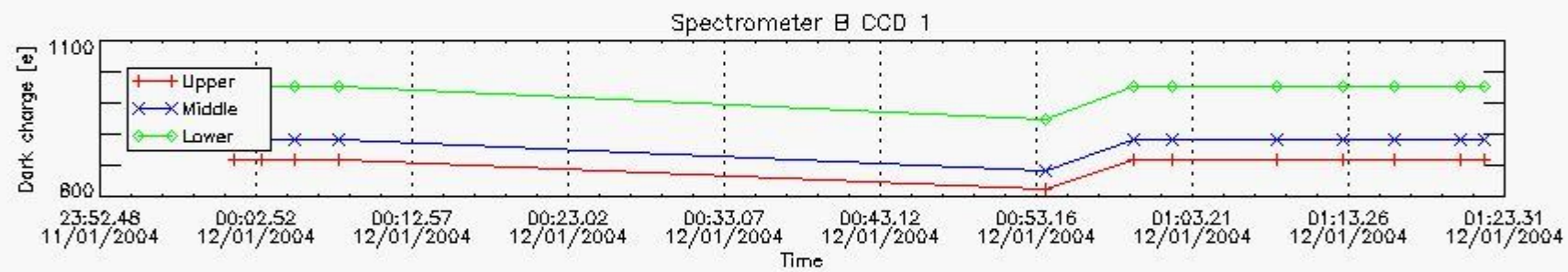
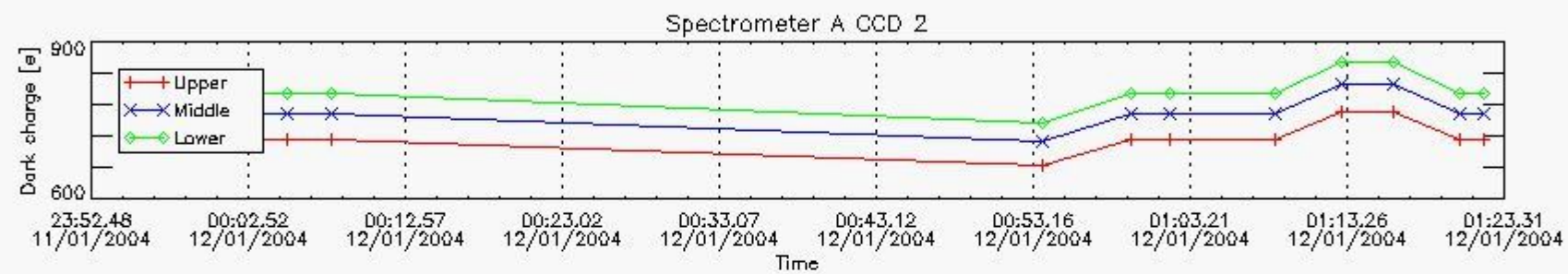
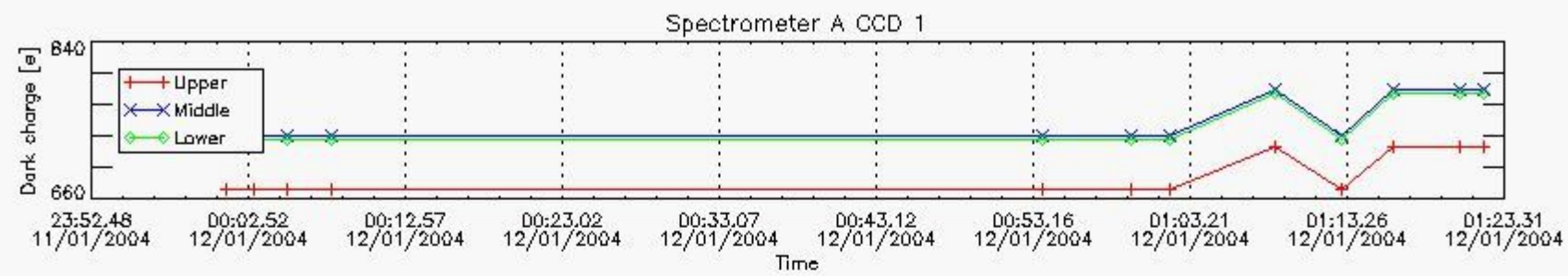
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount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

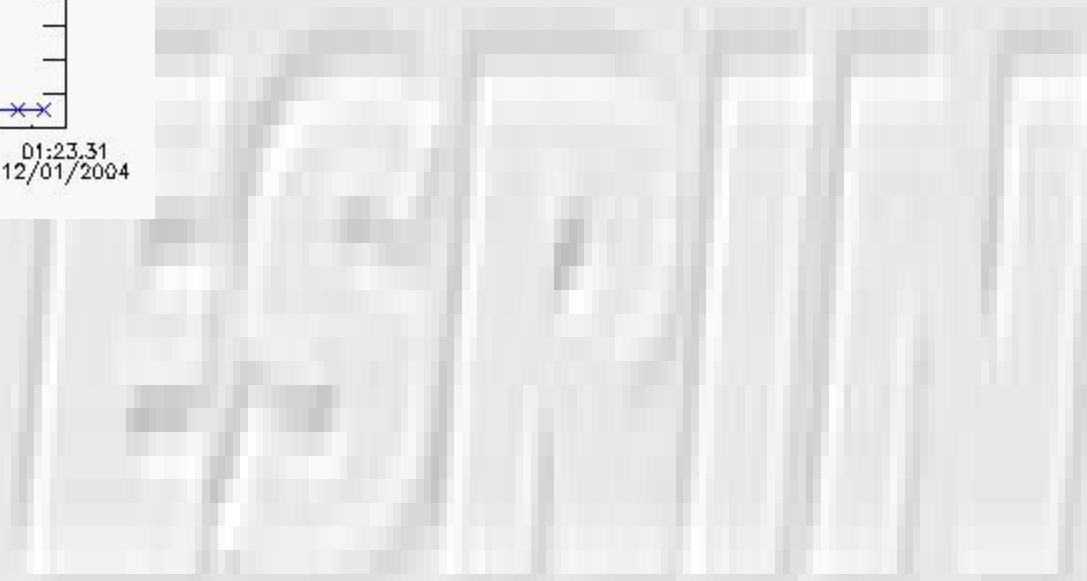




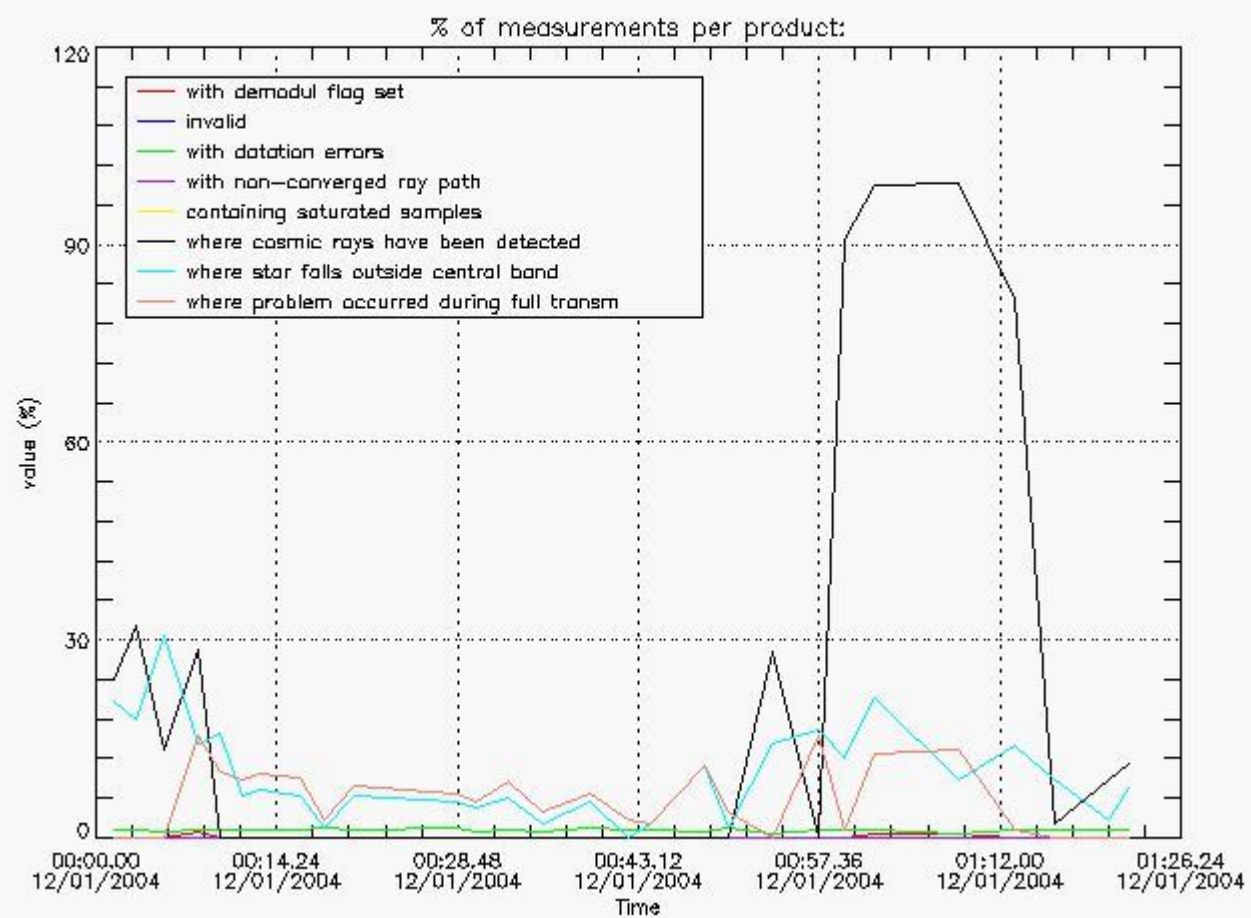
## 5. Demodulation flag and quality information monitoring

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

|   |           |
|---|-----------|
| At least one measurement with demodulation flag set:  | 17.8571 % |
| 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



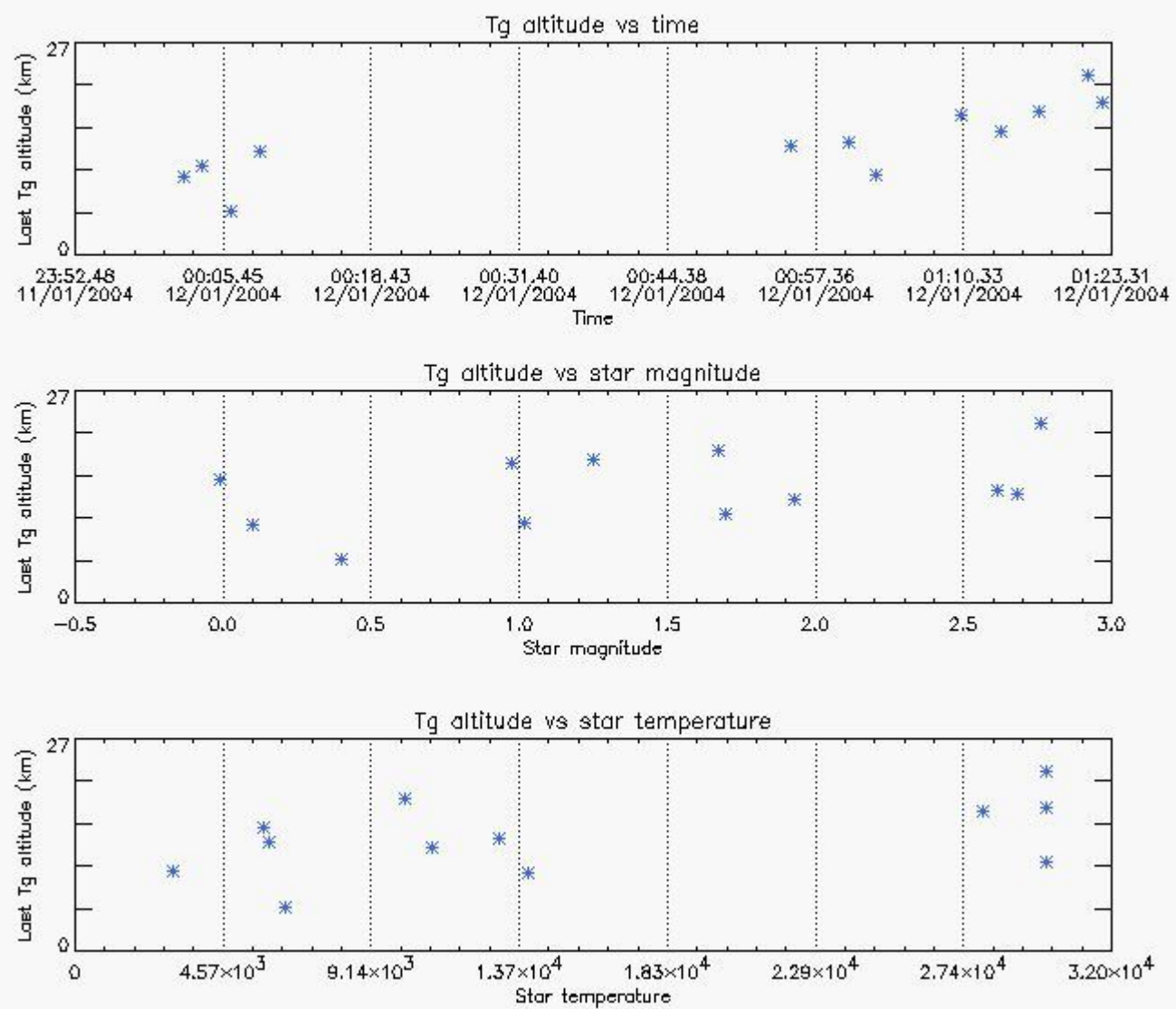
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

| Statistics      | DARK   | BRIGHT |
|-----------------|--------|--------|
| Mean:           | 14.379 | 20.050 |
| St. deviation:  | 4.7694 | 3.9050 |
| Maximum:        | 22.841 | 25.230 |
| Minimum:        | 5.5720 | 12.665 |
| Number of data: | 12.000 | 16.000 |

### 6.2 Plot for DARK limb products

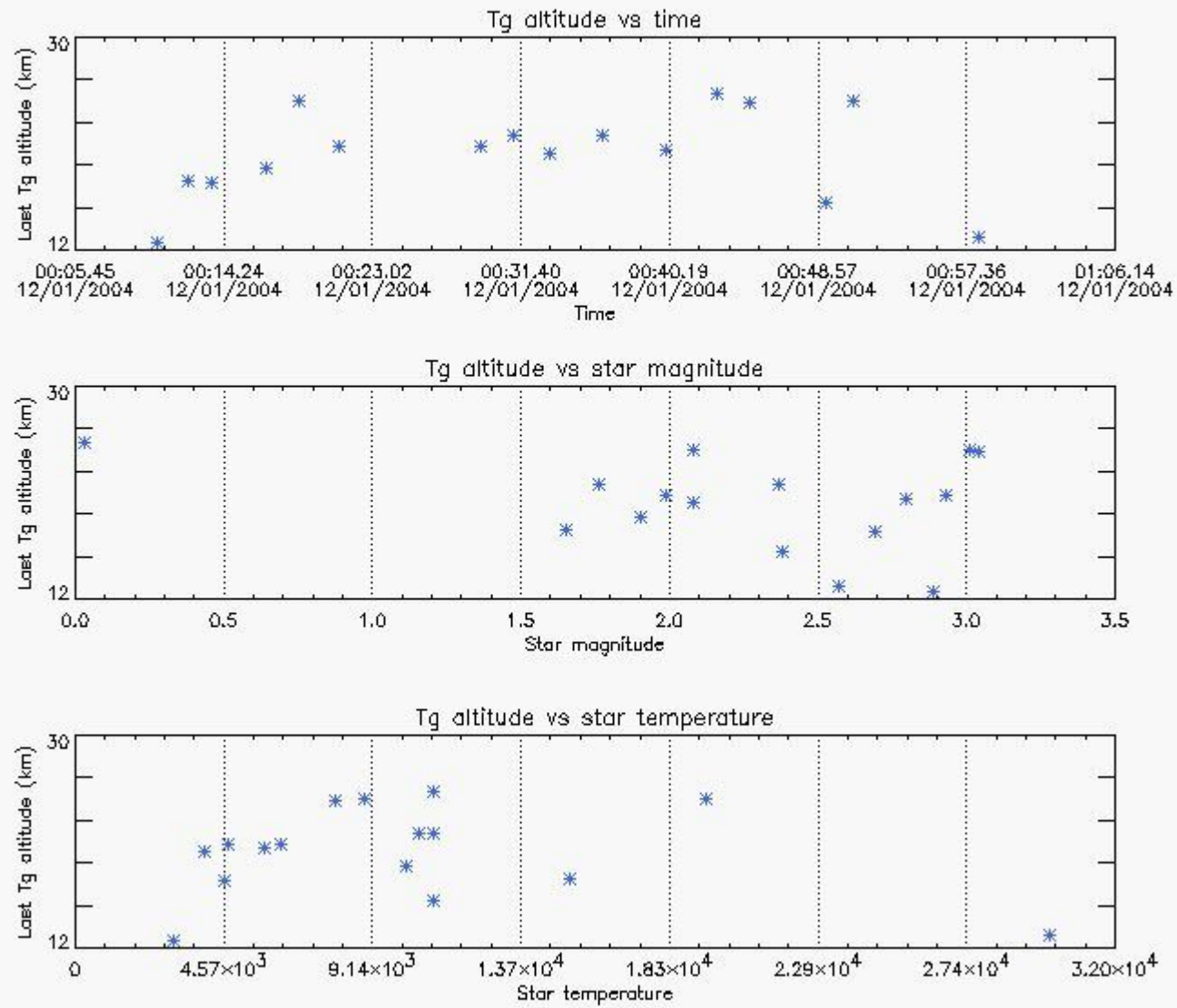
Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products



### Tangent altitude at which the star is lost



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

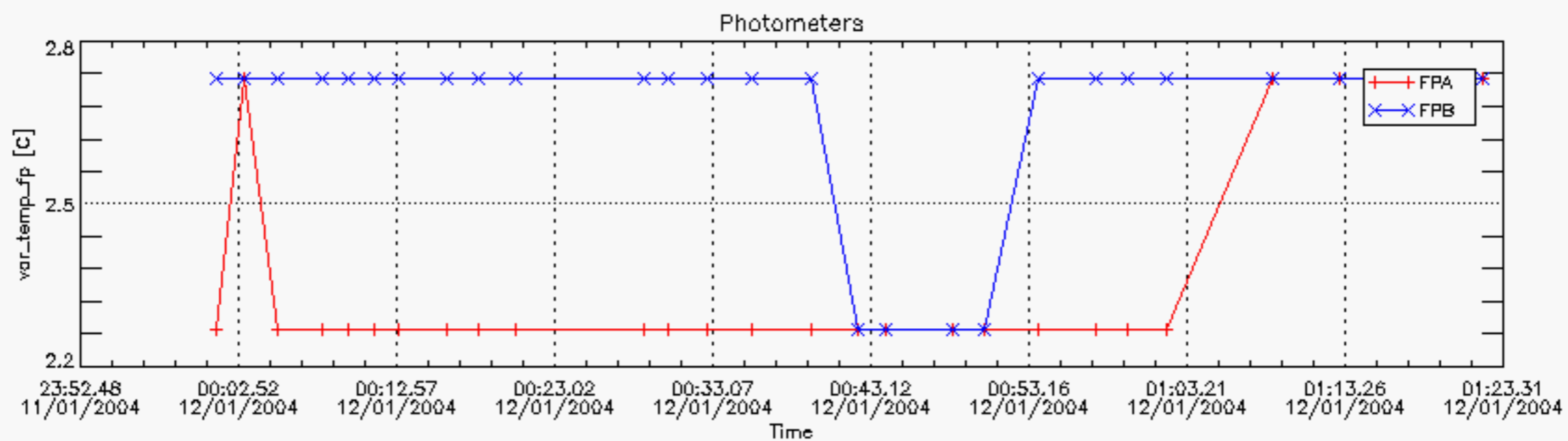
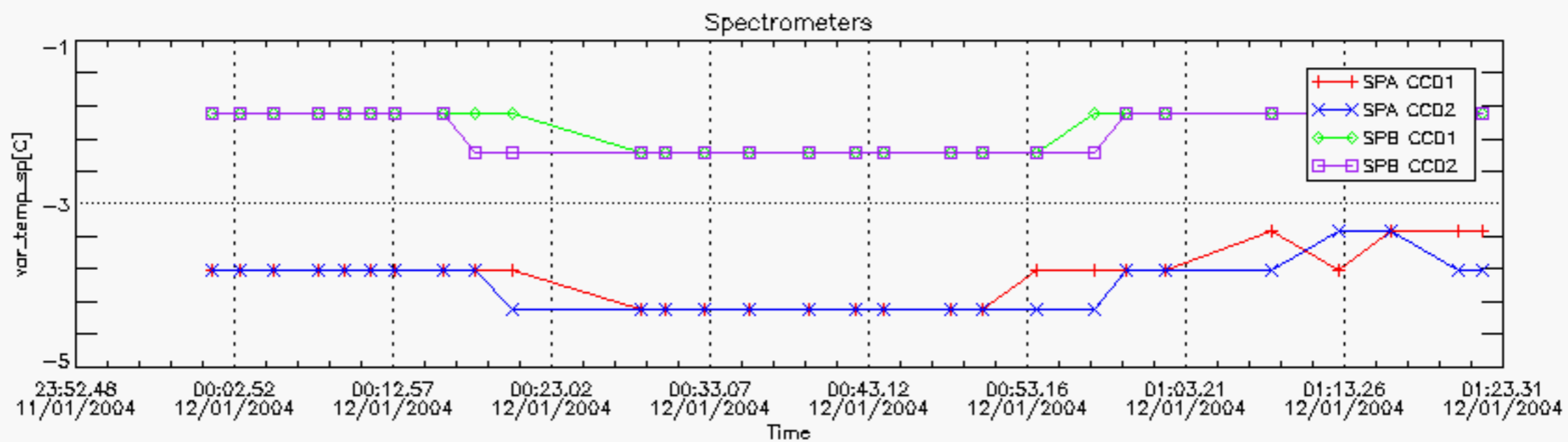
The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere. Statistics above 105 km are computed for every occultation, giving four values per occultation: 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.

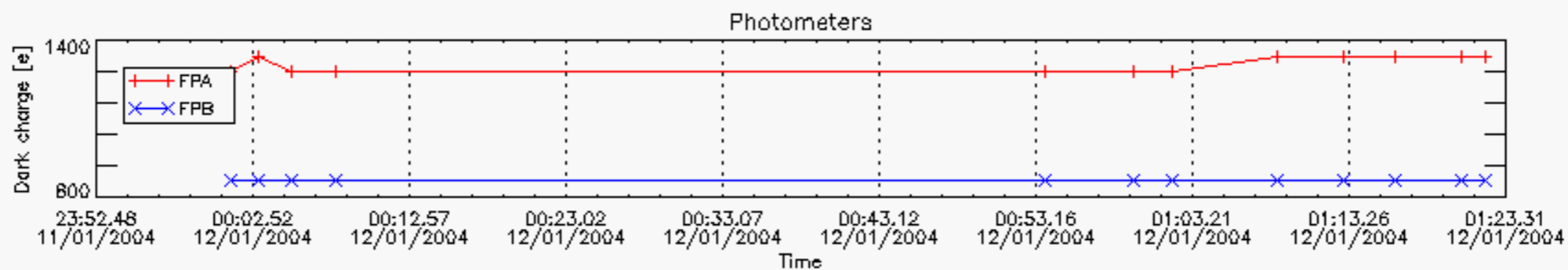
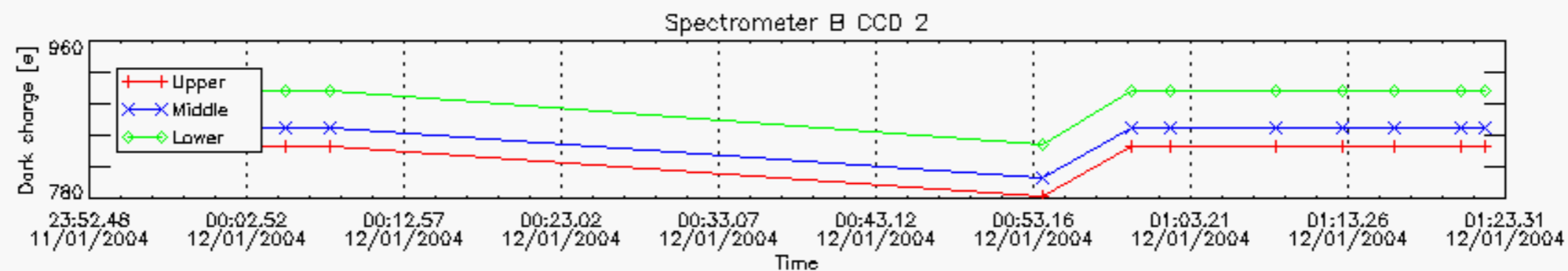
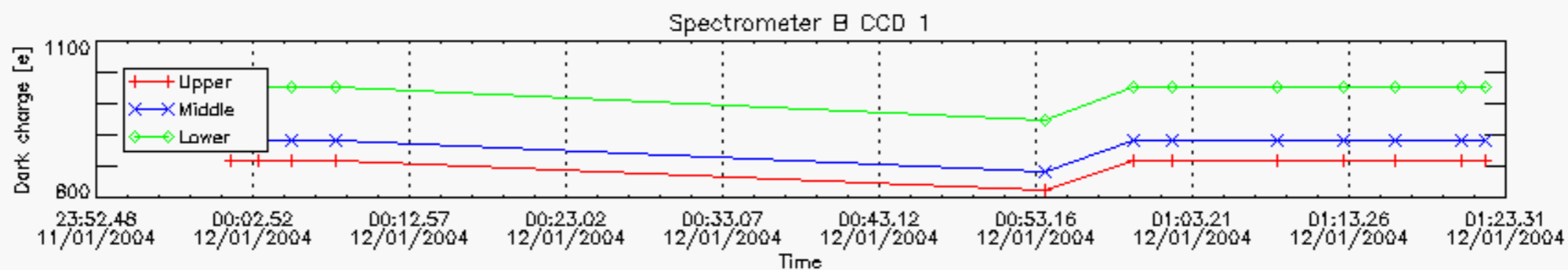
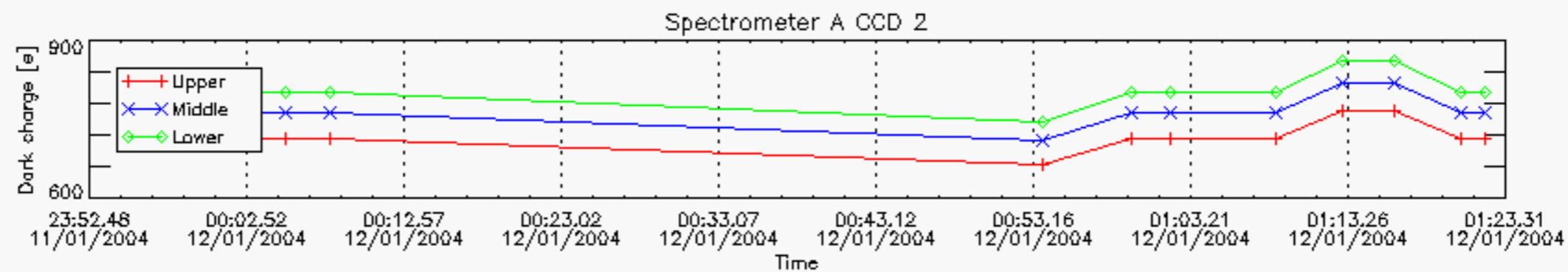
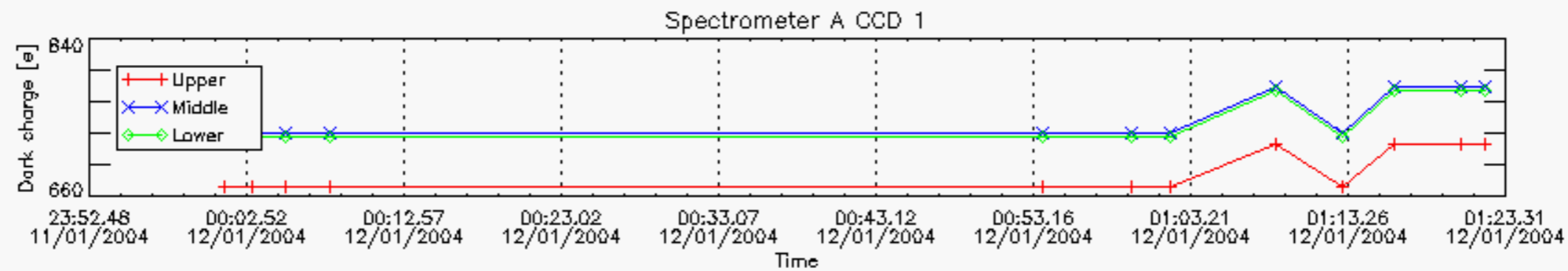
| Statistics      | SATU X (D) | SATU Y (D) | SATU X (B) | SATU Y (B) |
|-----------------|------------|------------|------------|------------|
| Mean:           | 1461.7     | 1447.6     | 1460.5     | 1447.4     |
| St. deviation:  | 4.2680     | 5.6764     | 7.1773     | 8.3737     |
| Maximum:        | 1497.0     | 1481.0     | 1513.0     | 1503.0     |
| Minimum:        | 1448.0     | 1424.0     | 1427.0     | 1412.0     |
| Number of data: | 16000.     | 16000.     | 18750.     | 18750.     |

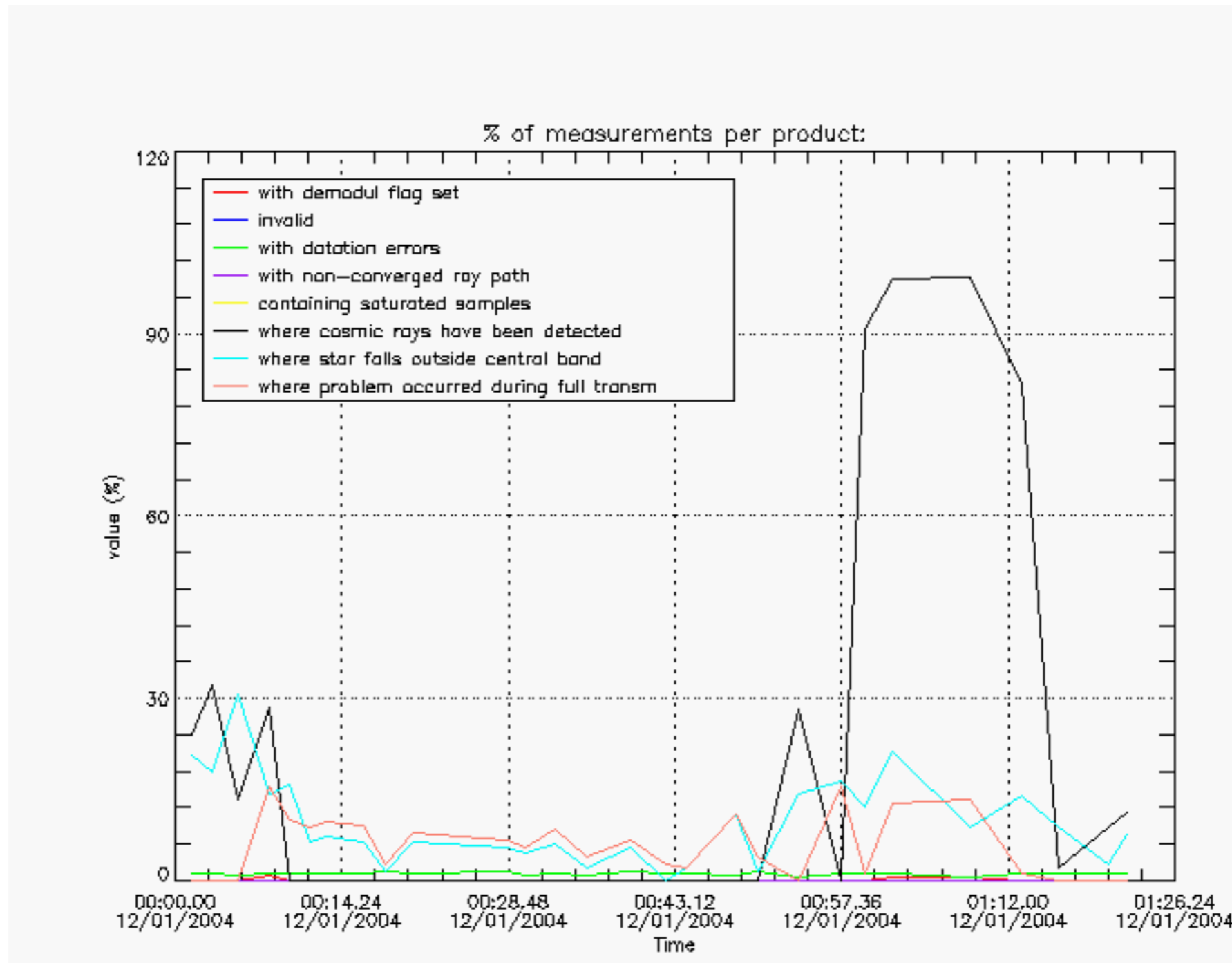




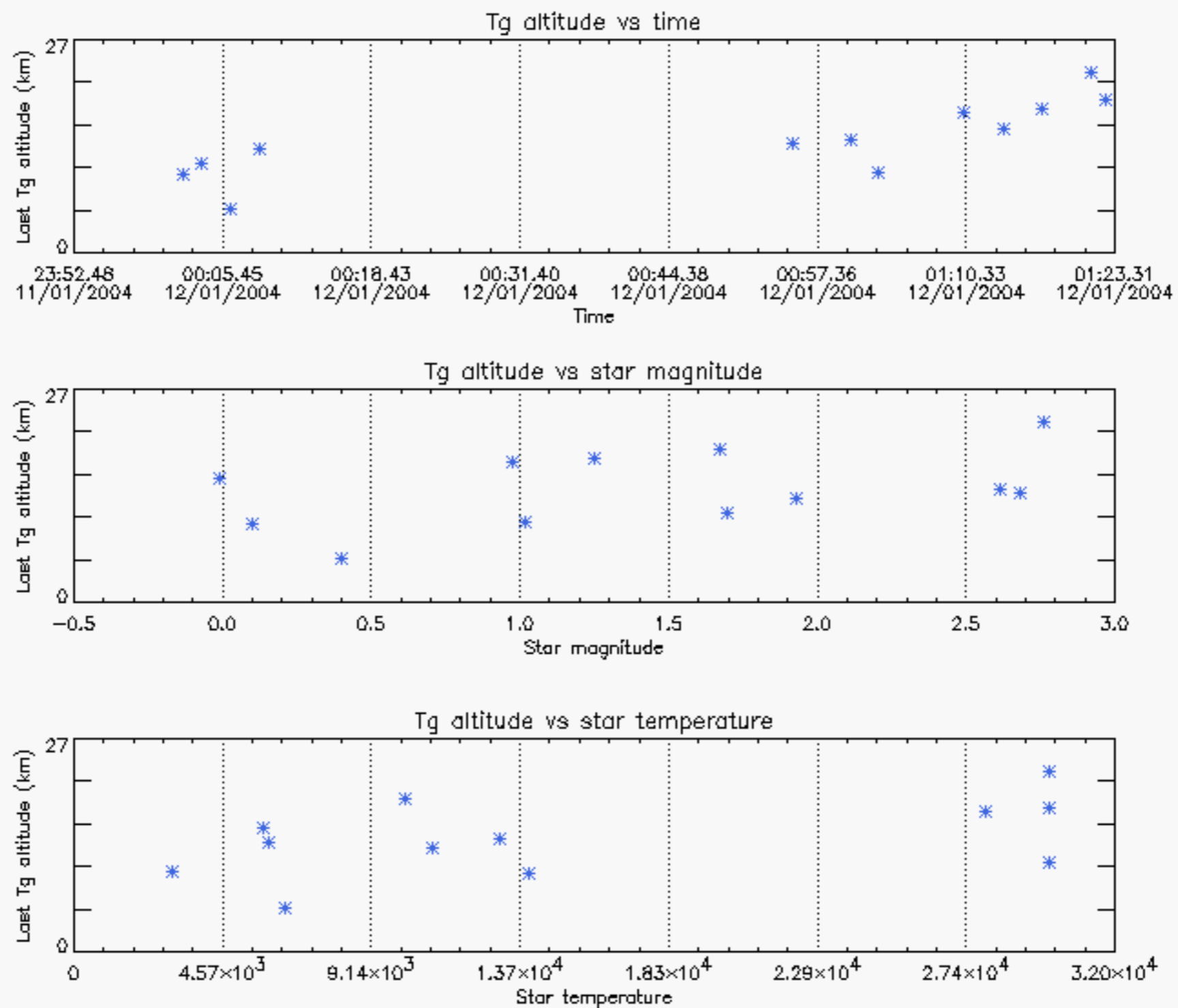






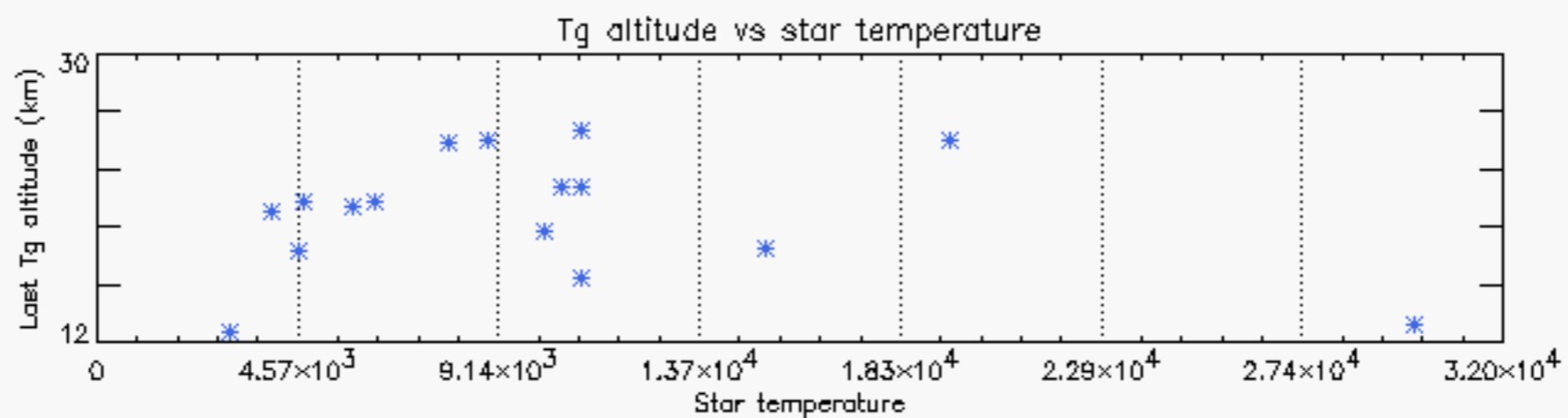
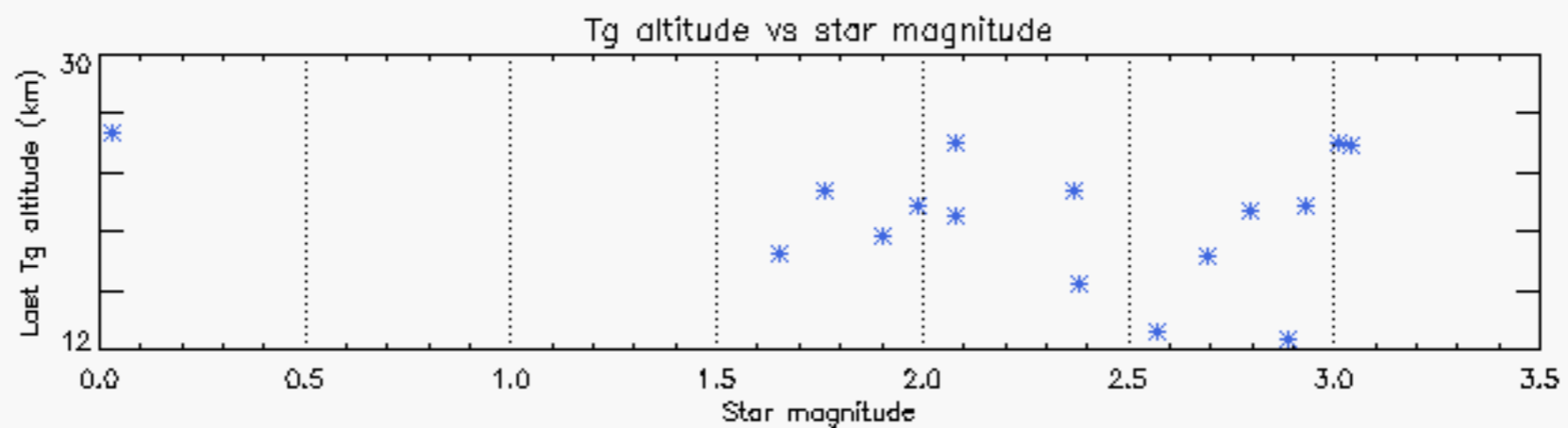
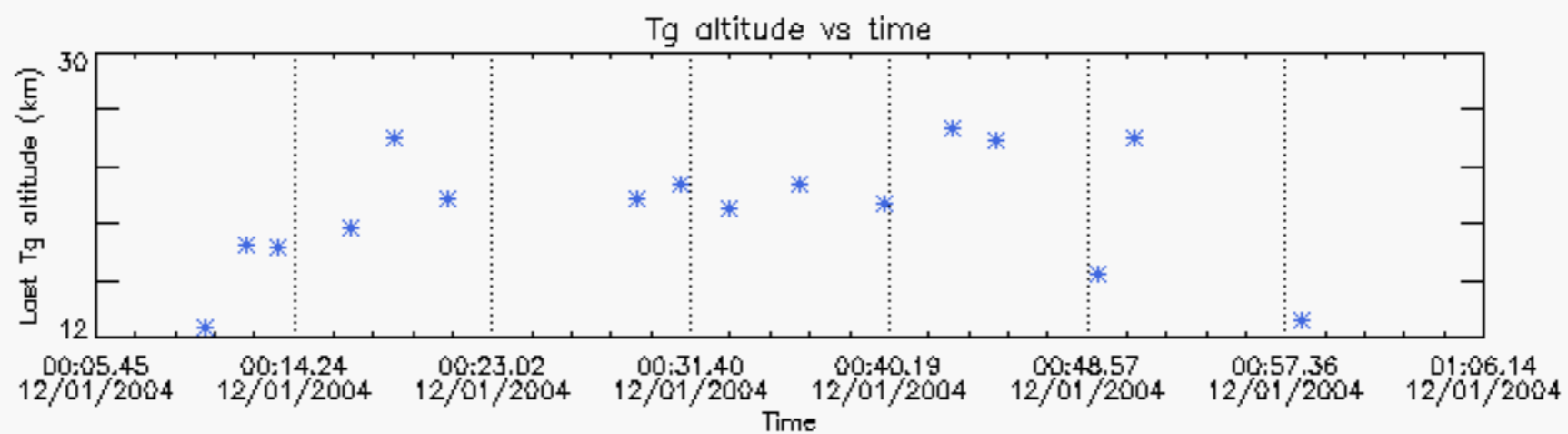


Tangent altitude at which the star is lost





Tangent altitude at which the star is lost



/data4\_2/GOMOS/level0/GOM\_NL\_0PNPDK20040101\_054855\_000060682023\_00034\_09607\_0545.N1

1;-4268.0; 01-JAN-2004 05:48:55; Dark ; 45.5; 7; 19Bet Ori ; 0.10; 14000;occ; 91; 0; 9607  
 2;-4156.2; 01-JAN-2004 05:50:47; Dark ; 43.5; 30; 46Eps Ori ; 1.69; 30000;occ; 87; 0; 9607  
 3;-3940.7; 01-JAN-2004 05:54:22; Dark ; 82.0; 8; 10Alp CMi ; 0.40; 6500;occ; 164; 0; 9607  
 4;-3806.3; 01-JAN-2004 05:56:37; Dark ; 50.0; 44; 24Gam Gem ; 1.93; 11000;occ; 100; 0; 9607  
 5;-3708.3; 01-JAN-2004 05:58:15; Bright; 47.0; 151; 13Mu Gem ; 2.89; 3000;occ; 94; 0; 9607  
 6;-3565.2; 01-JAN-2004 06:00:38; Bright; 39.5; 114; 3Iot Aur ; 2.69; 4600;occ; 79; 0; 9607  
 7;-3468.9; 01-JAN-2004 06:02:14; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0; 9607  
 8;-3344.2; 01-JAN-2004 06:04:19; Bright; 41.0; 6; 13Alp Aur ; 0.08; 3400;occ; 82; 0; 9607  
 9;-3237.9; 01-JAN-2004 06:06:05; Bright; 38.0; 35; 33Alp Per ; 1.79; 6250;occ; 76; 0; 9607  
 10;-3161.0; 01-JAN-2004 06:07:22; Bright; 38.0; 160; 23Gam Per ; 2.93; 4700;occ; 76; 0; 9607  
 11;-2613.9; 01-JAN-2004 06:16:29; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0; 9607  
 12;-2439.5; 01-JAN-2004 06:19:24; Bright; 51.0; 36; 50Alp UMa ; 1.80; 6300;occ; 102; 0; 9607  
 13;-2196.7; 01-JAN-2004 06:23:26; Bright; 56.5; 87; 64Gam UMa ; 2.43; 11000;occ; 113; 0; 9607  
 14;-2065.9; 01-JAN-2004 06:25:37; Bright; 47.5; 55; 79Zet UMa ; 2.06; 10200;occ; 95; 0; 9607  
 15;-1929.3; 01-JAN-2004 06:27:54; Bright; 48.5; 39; 85Eta UMa ; 1.85; 24000;occ; 97; 0; 9607  
 16;-1684.9; 01-JAN-2004 06:31:58; Bright; 42.5; 180; 27Gam Boo ; 3.04; 8000;occ; 85; 0; 9607  
 17;-1464.3; 01-JAN-2004 06:35:39; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0; 9607  
 18;-1214.9; 01-JAN-2004 06:39:48; Bright; 57.5; 111; 8Eta Boo ; 2.68; 6000;occ; 115; 0; 9607  
 19;-1008.4; 01-JAN-2004 06:43:15; Bright; 36.0; 120; 1Del Oph ; 2.73; 3200;occ; 72; 0; 9607  
 20;-844.6; 01-JAN-2004 06:45:58; Bright; 39.5; 104; 27Bet Lib ; 2.61; 13100;occ; 79; 0; 9607  
 21;-685.5; 01-JAN-2004 06:48:37; Dark ; 44.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 88; 0; 9607  
 22;-483.7; 01-JAN-2004 06:51:59; Dark ; 69.5; 15; 67Alp Vir ; 0.98; 28000;occ; 139; 0; 9607  
 23;-282.4; 01-JAN-2004 06:55:21; Dark ; 38.5; 109; Bet Lup ; 2.68; 26000;occ; 77; 0; 9607  
 24;-194.7; 01-JAN-2004 06:56:48; Dark ; 41.5; 78; Alp Lup ; 2.30; 28000;occ; 83; 0; 9607  
 25;-106.2; 01-JAN-2004 06:58:17; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0; 9607  
 26;-2.7; 01-JAN-2004 07:00:00; Dark ; 43.5; 4; Alp1Cen ; -0.01; 5800;occ; 87; 0; 9607  
 27; 226.9; 01-JAN-2004 07:03:50; Dark ; 51.5; 12; Alp1Cru ; 0.77; 30000;occ; 103; 0; 9608  
 28; 398.9; 01-JAN-2004 07:06:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0; 9608  
 29; 545.2; 01-JAN-2004 07:09:08; Dark ; 39.5; 29; Bet Car ; 1.67; 10200;occ; 79; 0; 9608  
 30; 627.7; 01-JAN-2004 07:10:31; Dark ; 44.0; 71; Iot Car ; 2.25; 7700;occ; 88; 0; 9608  
 31; 723.2; 01-JAN-2004 07:12:06; Dark ; 54.0; 41; Eps Car ; 1.86; 4100;occ; 108; 0; 9608  
 32; 841.6; 01-JAN-2004 07:14:05; Dark ; 59.0; 65; Lam Vel ; 2.20; 4400;occ; 118; 0; 9608  
 33; 976.8; 01-JAN-2004 07:16:20; Dark ; 46.5; 2; Alp Car ; -0.74; 7000;occ; 93; 0; 9608  
 34; 1170.4; 01-JAN-2004 07:19:33; Dark ; 51.0; 117; Pi Pup ; 2.71; 3800;occ; 102; 0; 9608  
 35; 1339.2; 01-JAN-2004 07:22:22; Dark ; 48.0; 23; 21Eps CMA ; 1.50; 26000;occ; 96; 0; 9608  
 36; 1431.6; 01-JAN-2004 07:23:55; Dark ; 46.5; 179; 240mi2CMA ; 3.03; 24000;occ; 93; 0; 9608  
 37; 1580.6; 01-JAN-2004 07:26:24; Dark ; 49.5; 1; 9Alp CMA ; -1.44; 11000;occ; 99; 0; 9608  
 38; 1768.3; 01-JAN-2004 07:29:31; Dark ; 33.0; 7; 19Bet Ori ; 0.10; 14000;occ; 66; 0; 9608

/data4\_2/GOMOS/level0/GOM\_NL\_0PNPDK20040101\_072931\_000060602023\_00035\_09608\_0546.N1

1;-4267.6; 01-JAN-2004 07:29:31; Dark ; 45.0; 7; 19Bet Ori ; 0.10; 14000;occ; 90; 0; 9608  
 2;-4155.6; 01-JAN-2004 07:31:23; Dark ; 44.0; 30; 46Eps Ori ; 1.69; 30000;occ; 88; 0; 9608  
 3;-3940.9; 01-JAN-2004 07:34:58; Dark ; 71.5; 8; 10Alp CMi ; 0.40; 6500;occ; 143; 0; 9608  
 4;-3806.5; 01-JAN-2004 07:37:12; Dark ; 50.0; 44; 24Gam Gem ; 1.93; 11000;occ; 100; 0; 9608  
 5;-3708.4; 01-JAN-2004 07:38:51; Bright; 47.0; 151; 13Mu Gem ; 2.89; 3000;occ; 94; 0; 9608  
 6;-3564.7; 01-JAN-2004 07:41:14; Bright; 39.0; 114; 3Iot Aur ; 2.69; 4600;occ; 78; 0; 9608  
 7;-3468.9; 01-JAN-2004 07:42:50; Bright; 40.0; 107; 37The Aur ; 2.65; 11000;occ; 80; 0; 9608  
 8;-3344.2; 01-JAN-2004 07:44:55; Bright; 40.5; 6; 13Alp Aur ; 0.08; 3400;occ; 81; 0; 9608  
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|   |          |             |           |         |       |       |           |           |       |            |            |      |      |      |
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| 11;   | -3221.0; | 05-JAN-2004 | 05:40:29; | Bright; | 38.0; | 35;   | 33Alp Per | ;         | 1.79; | 6250;occ;  | 76;        | 0;   | 9664 |      |
| 12;   | -3141.7; | 05-JAN-2004 | 05:41:49; | Bright; | 37.5; | 160;  | 23Gam Per | ;         | 2.93; | 4700;occ;  | 75;        | 0;   | 9664 |      |
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| 17;   | -2114.9; | 05-JAN-2004 | 05:58:56; | Bright; | 39.0; | 119;  | 14Eta Dra | ;         | 2.73; | 4700;occ;  | 78;        | 0;   | 9664 |      |
| 18;   | -1982.9; | 05-JAN-2004 | 06:01:07; | Bright; | 41.0; | 130;  | 23Bet Dra | ;         | 2.80; | 5800;occ;  | 82;        | 0;   | 9664 |      |
| 19;   | -1705.3; | 05-JAN-2004 | 06:05:45; | Bright; | 66.0; | 152;  | 12Alp2CVn | ;         | 2.89; | 11000;occ; | 132;       | 0;   | 9664 |      |
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| 21;   | -1323.1; | 05-JAN-2004 | 06:12:07; | Bright; | 38.0; | 59;   | 55Alp Oph | ;         | 2.08; | 8900;occ;  | 76;        | 0;   | 9664 |      |
| 22;   | -1179.5; | 05-JAN-2004 | 06:14:31; | Bright; | 63.0; | 111;  | 8Eta Boo  | ;         | 2.68; | 6000;occ;  | 126;       | 0;   | 9664 |      |
| 23;   | -994.3;  | 05-JAN-2004 | 06:17:36; | Bright; | 37.5; | 120;  | 1Del Oph  | ;         | 2.73; | 3200;occ;  | 75;        | 0;   | 9664 |      |
| 24;   | -818.3;  | 05-JAN-2004 | 06:20:32; | Bright; | 40.5; | 104;  | 27Bet Lib | ;         | 2.61; | 13100;occ; | 81;        | 0;   | 9664 |      |
| 25;   | -650.1;  | 05-JAN-2004 | 06:23:20; | Dark    | ;     | 122;  | 9Alp2Lib  | ;         | 2.75; | 9700;occ;  | 97;        | 0;   | 9664 |      |
| 26;   | -396.6;  | 05-JAN-2004 | 06:27:34; | Dark    | ;     | 87.5; | 15;       | 67Alp Vir | ;     | 0.98;      | 28000;occ; | 175; | 0;   | 9664 |
| 27;   | -257.6;  | 05-JAN-2004 | 06:29:53; | Dark    | ;     | 41.5; | 109;      | Bet Lup   | ;     | 2.68;      | 26000;occ; | 83;  | 0;   | 9664 |
| 28;   | -168.4;  | 05-JAN-2004 | 06:31:22; | Dark    | ;     | 41.5; | 78;       | Alp Lup   | ;     | 2.30;      | 28000;occ; | 83;  | 0;   | 9664 |
| 29;   | -70.9;   | 05-JAN-2004 | 06:33:00; | Dark    | ;     | 44.5; | 95;       | Zet Cen   | ;     | 2.55;      | 26000;occ; | 89;  | 0;   | 9664 |
| 30;   | 15.0;    | 05-JAN-2004 | 06:34:25; | Dark    | ;     | 46.5; | 4;        | Alp1Cen   | ;     | -0.01;     | 5800;occ;  | 93;  | 0;   | 9665 |
| 31;   | 149.6;   | 05-JAN-2004 | 06:36:40; | Dark    | ;     | 46.5; | 64;       | Gam Cen   | ;     | 2.20;      | 10600;occ; | 93;  | 0;   | 9665 |
| 32;   | 255.0;   | 05-JAN-2004 | 06:38:25; | Dark    | ;     | 43.5; | 12;       | Alp1Cru   | ;     | 0.77;      | 30000;occ; | 87;  | 0;   | 9665 |
| 33;   | 415.5;   | 05-JAN-2004 | 06:41:06; | Dark    | ;     | 59.5; | 0;        |           | ;     | 0.00;      | 0;occ;     | 119; | 0;   | 9665 |
| 34;   | 564.7;   | 05-JAN-2004 | 06:43:35; | Dark    | ;     | 41.0; | 29;       | Bet Car   | ;     | 1.67;      | 10200;occ; | 82;  | 0;   | 9665 |
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| 36;   | 747.6;   | 05-JAN-2004 | 06:46:38; | Dark    | ;     | 48.5; | 41;       | Eps Car   | ;     | 1.86;      | 4100;occ;  | 97;  | 0;   | 9665 |
| 37;   | 881.1;   | 05-JAN-2004 | 06:48:52; | Dark    | ;     | 57.0; | 65;       | Lam Vel   | ;     | 2.20;      | 4400;occ;  | 114; | 0;   | 9665 |
| 38;   | 990.0;   | 05-JAN-2004 | 06:50:40; | Dark    | ;     | 47.5; | 2;        | Alp Car   | ;     | -0.74;     | 7000;occ;  | 95;  | 0;   | 9665 |
| 39;   | 1073.0;  | 05-JAN-2004 | 06:52:03; | Dark    | ;     | 47.5; | 70;       | Zet Pup   | ;     | 2.25;      | 39000;occ; | 95;  | 0;   | 9665 |
| 40;   | 1189.8;  | 05-JAN-2004 | 06:54:00; | Dark    | ;     | 49.0; | 117;      | Pi Pup    | ;     | 2.71;      | 3800;occ;  | 98;  | 0;   | 9665 |
| 41;   | 1353.7;  | 05-JAN-2004 | 06:56:44; | Dark    | ;     | 45.0; | 23;       | 21Eps CMa | ;     | 1.50;      | 26000;occ; | 90;  | 0;   | 9665 |
| 42;   | 1444.3;  | 05-JAN-2004 | 06:58:15; | Dark    | ;     | 42.0; | 179;      | 240mi2CMa | ;     | 3.03;      | 24000;occ; | 84;  | 0;   | 9665 |
| 43;   | 1586.6;  | 05-JAN-2004 | 07:00:37; | Dark    | ;     | 50.5; | 1;        | 9Alp CMa  | ;     | -1.44;     | 11000;occ; | 101; | 0;   | 9665 |
| 44;   | 1774.8;  | 05-JAN-2004 | 07:03:45; | Dark    | ;     | 46.5; | 7;        | 19Bet Ori | ;     | 0.10;      | 14000;occ; | 93;  | 0;   | 9665 |
| 45;   | 1884.0;  | 05-JAN-2004 | 07:05:34; | Dark    | ;     | 36.0; | 30;       | 46Eps Ori | ;     | 1.69;      | 30000;occ; | 72;  | 0;   | 9665 |
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| 3;  | -3824.5; | 05-JAN-2004 | 07:11:02; | Dark    | ;     | 50.5; | 44;       | 24Gam Gem | ;     | 1.93;      | 11000;occ; | 101; | 0;   | 9665 |
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| 5;  | -3642.9; | 05-JAN-2004 | 07:14:03; | Bright; | 37.5; | 28;   | 12Bet Tau | ;         | 1.65; | 15200;occ; | 75;        | 0;   | 9665 |      |
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| 8;  | -3347.9; | 05-JAN-2004 | 07:18:58; | Bright; | 44.5; | 6;    | 13Alp Aur | ;         | 0.08; | 3400;occ;  | 89;        | 0;   | 9665 |      |
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| 19;   | -1321.1; | 05-JAN-2004 | 07:52:45; | Bright; | 35.5; | 59;   | 55Alp Oph | ;         | 2.08; | 8900;occ;  | 71;        | 0;   | 9665 |      |
| 20;   | -1178.7; | 05-JAN-2004 | 07:55:08; | Bright; | 59.0; | 111;  | 8Eta Boo  | ;         | 2.68; | 6000;occ;  | 118;       | 0;   | 9665 |      |
| 21;   | -994.1;  | 05-JAN-2004 | 07:58:12; | Bright; | 38.0; | 120;  | 1Del Oph  | ;         | 2.73; | 3200;occ;  | 76;        | 0;   | 9665 |      |
| 22;   | -817.9;  | 05-JAN-2004 | 08:01:08; | Bright; | 44.0; | 104;  | 27Bet Lib | ;         | 2.61; | 13100;occ; | 88;        | 0;   | 9665 |      |
| 23;   | -649.7;  | 05-JAN-2004 | 08:03:57; | Dark    | ;     | 48.0; | 122;      | 9Alp2Lib  | ;     | 2.75;      | 9700;occ;  | 96;  | 0;   | 9665 |
| 24;   | -395.3;  | 05-JAN-2004 | 08:08:11; | Dark    | ;     | 80.0; | 15;       | 67Alp Vir | ;     | 0.98;      | 28000;occ; | 160; | 0;   | 9665 |
| 25;   | -167.8;  | 05-JAN-2004 | 08:11:59; | Dark    | ;     | 43.0; | 78;       | Alp Lup   | ;     | 2.30;      | 28000;occ; | 86;  | 0;   | 9665 |
| 26;   | -69.9;   | 05-JAN-2004 | 08:13:36; | Dark    | ;     | 42.0; | 95;       | Zet Cen   | ;     | 2.55;      | 26000;occ; | 84;  | 0;   | 9665 |
| 27;   | 14.8;    | 05-JAN-2004 | 08:15:01; | Dark    | ;     | 42.5; | 4;        | Alp1Cen   | ;     | -0.01;     | 5800;occ;  | 85;  | 0;   | 9666 |
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| 30;   | 415.8;   | 05-JAN-2004 | 08:21:42; | Dark    | ;     | 59.5; | 0;        |           | ;     | 0.00;      | 0;occ;     | 119; | 0;   | 9666 |
| 31;   | 565.4;   | 05-JAN-2004 | 08:24:12; | Dark    | ;     | 39.5; | 29;       | Bet Car   | ;     | 1.67;      | 10200;occ; | 79;  | 0;   | 9666 |
| 32;   | 657.7;   | 05-JAN-2004 | 08:25:44; | Dark    | ;     | 50.0; | 71;       | Iot Car   | ;     | 2.25;      | 7700;occ;  | 100; | 0;   | 9666 |



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|-----|----------|-------------|-----------|--------|---|-------|------|-----------|---|--------|--------|------|------|----|------|
| 1;  | -4258.0; | 06-JAN-2004 | 09:53:23; | Dark   | ; | 52.0; | 7;   | 19Bet Ori | ; | 0.10;  | 14000; | occ; | 104; | 0; | 9681 |
| 2;  | -4153.3; | 06-JAN-2004 | 09:55:08; | Dark   | ; | 46.0; | 30;  | 46Eps Ori | ; | 1.69;  | 30000; | occ; | 92;  | 0; | 9681 |
| 3;  | -4007.3; | 06-JAN-2004 | 09:57:34; | Dark   | ; | 50.0; | 14;  | 58Alp Ori | ; | 0.87;  | 3000;  | occ; | 100; | 0; | 9681 |
| 4;  | -3828.0; | 06-JAN-2004 | 10:00:33; | Dark   | ; | 48.5; | 44;  | 24Gam Gem | ; | 1.93;  | 11000; | occ; | 97;  | 0; | 9681 |
| 5;  | -3728.4; | 06-JAN-2004 | 10:02:12; | Bright | ; | 46.5; | 151; | 13Mu Gem  | ; | 2.89;  | 3000;  | occ; | 93;  | 0; | 9681 |
| 6;  | -3643.6; | 06-JAN-2004 | 10:03:37; | Bright | ; | 40.0; | 28;  | 12Bet Tau | ; | 1.65;  | 15200; | occ; | 80;  | 0; | 9681 |
| 7;  | -3563.5; | 06-JAN-2004 | 10:04:57; | Bright | ; | 42.0; | 114; | 3Iot Aur  | ; | 2.69;  | 4600;  | occ; | 84;  | 0; | 9681 |
| 8;  | -3406.2; | 06-JAN-2004 | 10:07:35; | Bright | ; | 35.5; | 149; | 45Eps Per | ; | 2.89;  | 30000; | occ; | 71;  | 0; | 9681 |
| 9;  | -3268.3; | 06-JAN-2004 | 10:09:53; | Bright | ; | 36.5; | 175; | 39Del Per | ; | 3.01;  | 19400; | occ; | 73;  | 0; | 9681 |
| 10; | -3135.1; | 06-JAN-2004 | 10:12:06; | Bright | ; | 37.5; | 160; | 23Gam Per | ; | 2.93;  | 4700;  | occ; | 75;  | 0; | 9681 |
| 11; | -2616.5; | 06-JAN-2004 | 10:20:44; | Bright | ; | 40.0; | 49;  | 1Alp UMi  | ; | 1.99;  | 6300;  | occ; | 80;  | 0; | 9681 |
| 12; | -2487.9; | 06-JAN-2004 | 10:22:53; | Bright | ; | 49.5; | 36;  | 50Alp UMa | ; | 1.80;  | 6300;  | occ; | 99;  | 0; | 9681 |
| 13; | -2357.2; | 06-JAN-2004 | 10:25:04; | Bright | ; | 44.5; | 60;  | 7Bet UMi  | ; | 2.08;  | 3950;  | occ; | 89;  | 0; | 9681 |
| 14; | -2247.4; | 06-JAN-2004 | 10:26:53; | Bright | ; | 57.0; | 87;  | 64Gam UMa | ; | 2.43;  | 11000; | occ; | 114; | 0; | 9681 |
| 15; | -2113.5; | 06-JAN-2004 | 10:29:07; | Bright | ; | 38.0; | 119; | 14Eta Dra | ; | 2.73;  | 4700;  | occ; | 76;  | 0; | 9681 |
| 16; | -1977.9; | 06-JAN-2004 | 10:31:23; | Bright | ; | 37.5; | 130; | 23Bet Dra | ; | 2.80;  | 5800;  | occ; | 75;  | 0; | 9681 |
| 17; | -1707.9; | 06-JAN-2004 | 10:35:53; | Bright | ; | 65.0; | 152; | 12Alp2CVn | ; | 2.89;  | 11000; | occ; | 130; | 0; | 9681 |
| 18; | -1447.2; | 06-JAN-2004 | 10:40:14; | Bright | ; | 47.5; | 83;  |           | ; | 2.38;  | 11000; | occ; | 95;  | 0; | 9681 |
| 19; | -1317.9; | 06-JAN-2004 | 10:42:23; | Bright | ; | 35.0; | 59;  | 55Alp Oph | ; | 2.08;  | 8900;  | occ; | 70;  | 0; | 9681 |
| 20; | -1167.1; | 06-JAN-2004 | 10:44:54; | Bright | ; | 63.0; | 111; | 8Eta Boo  | ; | 2.68;  | 6000;  | occ; | 126; | 0; | 9681 |
| 21; | -989.9;  | 06-JAN-2004 | 10:47:51; | Bright | ; | 38.0; | 120; | 1Del Oph  | ; | 2.73;  | 3200;  | occ; | 76;  | 0; | 9681 |
| 22; | -808.6;  | 06-JAN-2004 | 10:50:52; | Bright | ; | 44.5; | 104; | 27Bet Lib | ; | 2.61;  | 13100; | occ; | 89;  | 0; | 9681 |
| 23; | -662.8;  | 06-JAN-2004 | 10:53:18; | Dark   | ; | 46.0; | 80;  | 7Del Sco  | ; | 2.32;  | 30000; | occ; | 92;  | 0; | 9681 |
| 24; | -367.3;  | 06-JAN-2004 | 10:58:14; | Dark   | ; | 76.0; | 15;  | 67Alp Vir | ; | 0.98;  | 28000; | occ; | 152; | 0; | 9681 |
| 25; | -216.3;  | 06-JAN-2004 | 11:00:44; | Dark   | ; | 55.0; | 54;  | 5The Cen  | ; | 2.06;  | 4500;  | occ; | 110; | 0; | 9681 |
| 26; | 18.7;    | 06-JAN-2004 | 11:04:40; | Dark   | ; | 53.0; | 4;   | Alp1Cen   | ; | -0.01; | 5800;  | occ; | 106; | 0; | 9682 |
| 27; | 163.9;   | 06-JAN-2004 | 11:07:05; | Dark   | ; | 46.0; | 64;  | Gam Cen   | ; | 2.20;  | 10600; | occ; | 92;  | 0; | 9682 |
| 28; | 265.0;   | 06-JAN-2004 | 11:08:46; | Dark   | ; | 43.0; | 12;  | Alp1Cru   | ; | 0.77;  | 30000; | occ; | 86;  | 0; | 9682 |
| 29; | 420.5;   | 06-JAN-2004 | 11:11:21; | Dark   | ; | 59.5; | 0;   |           | ; | 0.00;  | 0;     | occ; | 119; | 0; | 9682 |
| 30; | 571.0;   | 06-JAN-2004 | 11:13:52; | Dark   | ; | 39.5; | 29;  | Bet Car   | ; | 1.67;  | 10200; | occ; | 79;  | 0; | 9682 |
| 31; | 665.2;   | 06-JAN-2004 | 11:15:26; | Dark   | ; | 43.0; | 71;  | Iot Car   | ; | 2.25;  | 7700;  | occ; | 86;  | 0; | 9682 |
| 32; | 753.6;   | 06-JAN-2004 | 11:16:54; | Dark   | ; | 54.5; | 41;  | Eps Car   | ; | 1.86;  | 4100;  | occ; | 109; | 0; | 9682 |
| 33; | 892.4;   | 06-JAN-2004 | 11:19:13; | Dark   | ; | 58.5; | 65;  | Lam Vel   | ; | 2.20;  | 4400;  | occ; | 117; | 0; | 9682 |
| 34; | 995.0;   | 06-JAN-2004 | 11:20:56; | Dark   | ; | 48.5; | 2;   | Alp Car   | ; | -0.74; | 7000;  | occ; | 97;  | 0; | 9682 |
| 35; | 1080.3;  | 06-JAN-2004 | 11:22:21; | Dark   | ; | 47.5; | 70;  | Zet Pup   | ; | 2.25;  | 39000; | occ; | 95;  | 0; | 9682 |
| 36; | 1193.0;  | 06-JAN-2004 | 11:24:14; | Dark   | ; | 52.0; | 117; | Pi Pup    | ; | 2.71;  | 3800;  | occ; | 104; | 0; | 9682 |
| 37; | 1355.1;  | 06-JAN-2004 | 11:26:56; | Dark   | ; | 47.0; | 23;  | 21Eps CMa | ; | 1.50;  | 26000; | occ; | 94;  | 0; | 9682 |
| 38; | 1447.1;  | 06-JAN-2004 | 11:28:28; | Dark   | ; | 42.0; | 179; | 240mi2CMA | ; | 3.03;  | 24000; | occ; | 84;  | 0; | 9682 |

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|     |          |             |           |        |   |       |      |           |   |        |        |      |      |    |      |
|-----|----------|-------------|-----------|--------|---|-------|------|-----------|---|--------|--------|------|------|----|------|
| 1;  | -4840.1; | 06-JAN-2004 | 16:26:04; | Dark   | ; | 48.5; | 117; | Pi Pup    | ; | 2.71;  | 3800;  | occ; | 97;  | 0; | 9685 |
| 2;  | -4680.1; | 06-JAN-2004 | 16:28:44; | Dark   | ; | 52.5; | 23;  | 21Eps CMa | ; | 1.50;  | 26000; | occ; | 105; | 0; | 9685 |
| 3;  | -4588.7; | 06-JAN-2004 | 16:30:16; | Dark   | ; | 47.0; | 179; | 240mi2CMA | ; | 3.03;  | 24000; | occ; | 94;  | 0; | 9685 |
| 4;  | -4447.4; | 06-JAN-2004 | 16:32:37; | Dark   | ; | 56.0; | 1;   | 9Alp CMA  | ; | -1.44; | 11000; | occ; | 112; | 0; | 9685 |
| 5;  | -4259.7; | 06-JAN-2004 | 16:35:45; | Dark   | ; | 49.5; | 7;   | 19Bet Ori | ; | 0.10;  | 14000; | occ; | 99;  | 0; | 9685 |
| 6;  | -4152.9; | 06-JAN-2004 | 16:37:32; | Dark   | ; | 48.5; | 30;  | 46Eps Ori | ; | 1.69;  | 30000; | occ; | 97;  | 0; | 9685 |
| 7;  | -3981.0; | 06-JAN-2004 | 16:40:24; | Dark   | ; | 64.5; | 8;   | 10Alp CMi | ; | 0.40;  | 6500;  | occ; | 129; | 0; | 9685 |
| 8;  | -3828.9; | 06-JAN-2004 | 16:42:56; | Dark   | ; | 46.0; | 44;  | 24Gam Gem | ; | 1.93;  | 11000; | occ; | 92;  | 0; | 9685 |
| 9;  | -3729.4; | 06-JAN-2004 | 16:44:35; | Bright | ; | 47.0; | 151; | 13Mu Gem  | ; | 2.89;  | 3000;  | occ; | 94;  | 0; | 9685 |
| 10; | -3643.8; | 06-JAN-2004 | 16:46:01; | Bright | ; | 40.0; | 28;  | 12Bet Tau | ; | 1.65;  | 15200; | occ; | 80;  | 0; | 9685 |
| 11; | -3561.4; | 06-JAN-2004 | 16:47:23; | Bright | ; | 41.0; | 114; | 3Iot Aur  | ; | 2.69;  | 4600;  | occ; | 82;  | 0; | 9685 |
| 12; | -3405.7; | 06-JAN-2004 | 16:49:59; | Bright | ; | 37.5; | 149; | 45Eps Per | ; | 2.89;  | 30000; | occ; | 75;  | 0; | 9685 |
| 13; | -3267.1; | 06-JAN-2004 | 16:52:17; | Bright | ; | 36.5; | 175; | 39Del Per | ; | 3.01;  | 19400; | occ; | 73;  | 0; | 9685 |
| 14; | -3133.8; | 06-JAN-2004 | 16:54:31; | Bright | ; | 37.0; | 160; | 23Gam Per | ; | 2.93;  | 4700;  | occ; | 74;  | 0; | 9685 |
| 15; | -2614.1; | 06-JAN-2004 | 17:03:10; | Bright | ; | 37.5; | 49;  | 1Alp UMi  | ; | 1.99;  | 6300;  | occ; | 75;  | 0; | 9685 |
| 16; | -2490.7; | 06-JAN-2004 | 17:05:14; | Bright | ; | 51.0; | 36;  | 50Alp UMa | ; | 1.80;  | 6300;  | occ; | 102; | 0; | 9685 |
| 17; | -2355.0; | 06-JAN-2004 | 17:07:30; | Bright | ; | 39.5; | 60;  | 7Bet UMi  | ; | 2.08;  | 3950;  | occ; | 79;  | 0; | 9685 |
| 18; | -2250.6; | 06-JAN-2004 | 17:09:14; | Bright | ; | 53.0; | 87;  | 64Gam UMa | ; | 2.43;  | 11000; | occ; | 106; | 0; | 9685 |
| 19; | -2113.2; | 06-JAN-2004 | 17:11:31; | Bright | ; | 37.5; | 119; | 14Eta Dra | ; | 2.73;  | 4700;  | occ; | 75;  | 0; | 9685 |
| 20; | -1979.6; | 06-JAN-2004 | 17:13:45; | Bright | ; | 38.5; | 130; | 23Bet Dra | ; | 2.80;  | 5800;  | occ; | 77;  | 0; | 9685 |
| 21; | -1709.0; | 06-JAN-2004 | 17:18:16; | Bright | ; | 69.0; | 152; | 12Alp2CVn | ; | 2.89;  | 11000; | occ; | 138; | 0; | 9685 |
| 22; | -1446.7; | 06-JAN-2004 | 17:22:38; | Bright | ; | 64.0; | 83;  |           | ; | 2.38;  | 11000; | occ; | 128; | 0; | 9685 |
| 23; | -1318.5; | 06-JAN-2004 | 17:24:46; | Bright | ; | 36.5; | 59;  | 55Alp Oph | ; | 2.08;  | 8900;  | occ; | 73;  | 0; | 9685 |
| 24; | -1164.2; | 06-JAN-2004 | 17:27:20; | Bright | ; | 66.5; | 111; | 8Eta Boo  | ; | 2.68;  | 6000;  | occ; | 133; | 0; | 9685 |
| 25; | -988.8;  | 06-JAN-2004 | 17:30:16; | Bright | ; | 39.0; | 120; | 1Del Oph  | ; | 2.73;  | 3200;  | occ; | 78;  | 0; | 9685 |
| 26; | -807.0;  | 06-JAN-2004 | 17:33:18; | Dark   | ; | 46.0; | 104; | 27Bet Lib | ; | 2.61;  | 13100; | occ; | 92;  | 0; | 9685 |
| 27; | -661.5;  | 06-JAN-2004 | 17:35:43; | Dark   | ; | 43.5; | 80;  | 7Del Sco  | ; | 2.32;  | 30000; | occ; | 87;  | 0; | 9685 |
| 28; | -360.4;  | 06-JAN-2004 | 17:40:44; | Dark   | ; | 87.5; | 15;  | 67Alp Vir | ; | 0.98;  | 28000; | occ; | 175; | 0; | 9685 |



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29; -212.4; 06-JAN-2004 17:43:12; Dark ; 54.0; 54; 5The Cen ; 2.06; 4500;occ; 108; 0; 9685
30; 22.0; 06-JAN-2004 17:47:07; Dark ; 53.0; 4; Alp1Cen ; -0.01; 5800;occ; 106; 0; 9686
31; 167.9; 06-JAN-2004 17:49:33; Dark ; 47.0; 64; Gam Cen ; 2.20; 10600;occ; 94; 0; 9686
32; 266.6; 06-JAN-2004 17:51:11; Dark ; 42.0; 12; Alp1Cru ; 0.77; 30000;occ; 84; 0; 9686
33; 421.6; 06-JAN-2004 17:53:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0; 9686
34; 572.1; 06-JAN-2004 17:56:17; Dark ; 40.0; 29; Bet Car ; 1.67; 10200;occ; 80; 0; 9686
35; 665.6; 06-JAN-2004 17:57:50; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0; 9686
36; 755.9; 06-JAN-2004 17:59:20; Dark ; 41.5; 41; Eps Car ; 1.86; 4100;occ; 83; 0; 9686
37; 895.1; 06-JAN-2004 18:01:40; Dark ; 59.0; 65; Lam Vel ; 2.20; 4400;occ; 118; 0; 9686
38; 995.9; 06-JAN-2004 18:03:21; Dark ; 46.0; 2; Alp Car ; -0.74; 7000;occ; 92; 0; 9686
39; 1082.0; 06-JAN-2004 18:04:47; Dark ; 10.5; 70; Zet Pup ; 2.25; 39000;occ; 21; 0; 9686
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1; -5021.5; 06-JAN-2004 18:03:39; Dark ; 46.0; 2; Alp Car ; -0.74; 7000;occ; 92; 37; 9686
2; -4954.0; 06-JAN-2004 18:04:47; Dark ; 49.0; 70; Zet Pup ; 2.25; 39000;occ; 98; 0; 9686
3; -4839.3; 06-JAN-2004 18:06:41; Dark ; 50.0; 117; Pi Pup ; 2.71; 3800;occ; 100; 0; 9686
4; -4678.0; 06-JAN-2004 18:09:23; Dark ; 46.5; 23; 21Eps CMa ; 1.50; 26000;occ; 93; 0; 9686
5; -4588.7; 06-JAN-2004 18:10:52; Dark ; 45.5; 179; 240mi2CMa ; 3.03; 24000;occ; 91; 0; 9686
6; -4446.6; 06-JAN-2004 18:13:14; Dark ; 52.0; 1; 9Alp CMa ; -1.44; 11000;occ; 104; 0; 9686
7; -4257.8; 06-JAN-2004 18:16:23; Dark ; 47.5; 7; 19Bet Ori ; 0.10; 14000;occ; 95; 0; 9686
8; -4150.9; 06-JAN-2004 18:18:10; Dark ; 42.0; 30; 46Eps Ori ; 1.69; 30000;occ; 84; 0; 9686
9; -3982.2; 06-JAN-2004 18:20:58; Dark ; 67.5; 8; 10Alp CMi ; 0.40; 6500;occ; 135; 0; 9686
10; -3829.3; 06-JAN-2004 18:23:31; Dark ; 48.0; 44; 24Gam Gem ; 1.93; 11000;occ; 96; 0; 9686
11; -3730.3; 06-JAN-2004 18:25:10; Bright; 46.0; 151; 13Mu Gem ; 2.89; 3000;occ; 92; 0; 9686
12; -3645.5; 06-JAN-2004 18:26:35; Bright; 42.5; 28; 12Bet Tau ; 1.65; 15200;occ; 85; 0; 9686
13; -3561.2; 06-JAN-2004 18:27:59; Bright; 39.0; 114; 3Iot Aur ; 2.69; 4600;occ; 78; 0; 9686
14; -3405.5; 06-JAN-2004 18:30:35; Bright; 37.5; 149; 45Eps Per ; 2.89; 30000;occ; 75; 0; 9686
15; -3266.6; 06-JAN-2004 18:32:54; Bright; 35.5; 175; 39Del Per ; 3.01; 19400;occ; 71; 0; 9686
16; -3133.9; 06-JAN-2004 18:35:07; Bright; 39.5; 160; 23Gam Per ; 2.93; 4700;occ; 79; 0; 9686
17; -2614.1; 06-JAN-2004 18:43:46; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0; 9686
18; -2492.0; 06-JAN-2004 18:45:49; Bright; 51.0; 36; 50Alp UMa ; 1.80; 6300;occ; 102; 0; 9686
19; -2355.7; 06-JAN-2004 18:48:05; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0; 9686
20; -2251.9; 06-JAN-2004 18:49:49; Bright; 53.0; 87; 64Gam UMa ; 2.43; 11000;occ; 106; 0; 9686
21; -2113.8; 06-JAN-2004 18:52:07; Bright; 35.5; 119; 14Eta Dra ; 2.73; 4700;occ; 71; 0; 9686
22; -1977.7; 06-JAN-2004 18:54:23; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0; 9686
23; -1709.5; 06-JAN-2004 18:58:51; Bright; 69.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 139; 0; 9686
24; -1446.8; 06-JAN-2004 19:03:14; Bright; 51.0; 83; ; 2.38; 11000;occ; 102; 0; 9686
25; -1318.3; 06-JAN-2004 19:05:22; Bright; 36.0; 59; 55Alp Oph ; 2.08; 8900;occ; 72; 0; 9686
26; -1163.7; 06-JAN-2004 19:07:57; Bright; 62.5; 111; 8Eta Boo ; 2.68; 6000;occ; 125; 0; 9686
27; -987.8; 06-JAN-2004 19:10:53; Bright; 37.5; 120; 1Del Oph ; 2.73; 3200;occ; 75; 0; 9686
28; -805.9; 06-JAN-2004 19:13:55; Dark ; 48.0; 104; 27Bet Lib ; 2.61; 13100;occ; 96; 0; 9686
29; -661.2; 06-JAN-2004 19:16:19; Dark ; 47.0; 80; 7Del Sco ; 2.32; 30000;occ; 94; 0; 9686
30; -359.4; 06-JAN-2004 19:21:21; Dark ; 74.0; 15; 67Alp Vir ; 0.98; 28000;occ; 148; 0; 9686
31; -211.9; 06-JAN-2004 19:23:49; Dark ; 48.5; 54; 5The Cen ; 2.06; 4500;occ; 97; 0; 9686
32; 22.9; 06-JAN-2004 19:27:43; Dark ; 42.0; 4; Alp1Cen ; -0.01; 5800;occ; 84; 0; 9687
33; 168.8; 06-JAN-2004 19:30:09; Dark ; 46.5; 64; Gam Cen ; 2.20; 10600;occ; 93; 0; 9687
34; 266.6; 06-JAN-2004 19:31:47; Dark ; 43.5; 12; Alp1Cru ; 0.77; 30000;occ; 87; 0; 9687
35; 421.8; 06-JAN-2004 19:34:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0; 9687
36; 572.4; 06-JAN-2004 19:36:53; Dark ; 41.5; 29; Bet Car ; 1.67; 10200;occ; 83; 0; 9687
37; 667.9; 06-JAN-2004 19:38:28; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0; 9687
38; 756.3; 06-JAN-2004 19:39:57; Dark ; 47.5; 41; Eps Car ; 1.86; 4100;occ; 95; 0; 9687
39; 894.0; 06-JAN-2004 19:42:15; Dark ; 60.5; 65; Lam Vel ; 2.20; 4400;occ; 121; 0; 9687
40; 996.1; 06-JAN-2004 19:43:57; Dark ; 52.0; 2; Alp Car ; -0.74; 7000;occ; 104; 0; 9687
41; 1081.8; 06-JAN-2004 19:45:22; Dark ; 25.5; 70; Zet Pup ; 2.25; 39000;occ; 51; 0; 9687
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1; -4255.5; 07-JAN-2004 11:02:24; Dark ; 50.0; 7; 19Bet Ori ; 0.10; 14000;occ; 100; 0; 9696
2; -4148.6; 07-JAN-2004 11:04:11; Dark ; 40.5; 30; 46Eps Ori ; 1.69; 30000;occ; 81; 0; 9696
3; -4006.2; 07-JAN-2004 11:06:33; Dark ; 47.0; 14; 58Alp Ori ; 0.87; 3000;occ; 94; 0; 9696
4; -3831.4; 07-JAN-2004 11:09:28; Dark ; 46.0; 44; 24Gam Gem ; 1.93; 11000;occ; 92; 0; 9696
5; -3731.5; 07-JAN-2004 11:11:08; Bright; 47.0; 151; 13Mu Gem ; 2.89; 3000;occ; 94; 0; 9696
6; -3642.8; 07-JAN-2004 11:12:37; Bright; 40.5; 28; 12Bet Tau ; 1.65; 15200;occ; 81; 0; 9696
7; -3559.0; 07-JAN-2004 11:14:00; Bright; 39.0; 114; 3Iot Aur ; 2.69; 4600;occ; 78; 0; 9696
8; -3401.9; 07-JAN-2004 11:16:38; Bright; 36.5; 149; 45Eps Per ; 2.89; 30000;occ; 73; 0; 9696
9; -3264.0; 07-JAN-2004 11:18:55; Bright; 36.0; 175; 39Del Per ; 3.01; 19400;occ; 72; 0; 9696
10; -3130.5; 07-JAN-2004 11:21:09; Bright; 39.5; 160; 23Gam Per ; 2.93; 4700;occ; 79; 0; 9696
11; -2614.6; 07-JAN-2004 11:29:45; Bright; 39.5; 49; 1Alp UMi ; 1.99; 6300;occ; 79; 0; 9696
12; -2498.2; 07-JAN-2004 11:31:41; Bright; 49.5; 36; 50Alp UMa ; 1.80; 6300;occ; 99; 0; 9696
13; -2359.1; 07-JAN-2004 11:34:00; Bright; 43.0; 60; 7Bet UMi ; 2.08; 3950;occ; 86; 0; 9696
14; -2259.0; 07-JAN-2004 11:35:40; Bright; 54.0; 87; 64Gam UMa ; 2.43; 11000;occ; 108; 0; 9696

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40; 1783.3; 08-JAN-2004 07:09:38; Dark ; 51.0; 7; 19Bet Ori ; 0.10; 14000;occ; 102; 0; 9708
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2;-4147.0; 08-JAN-2004 07:11:24; Dark ; 42.5; 30; 46Eps Ori ; 1.69; 30000;occ; 85; 0; 9708
3;-3990.5; 08-JAN-2004 07:14:00; Dark ; 61.5; 8; 10Alp CMi ; 0.40; 6500;occ; 123; 0; 9708
4;-3833.4; 08-JAN-2004 07:16:37; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0; 9708
5;-3732.8; 08-JAN-2004 07:18:18; Bright; 45.5; 151; 13Mu Gem ; 2.89; 3000;occ; 91; 0; 9708
6;-3641.7; 08-JAN-2004 07:19:49; Bright; 39.0; 28; 12Bet Tau ; 1.65; 15200;occ; 78; 0; 9708
7;-3557.1; 08-JAN-2004 07:21:13; Bright; 39.0; 114; 3Iot Aur ; 2.69; 4600;occ; 78; 0; 9708
8;-3397.8; 08-JAN-2004 07:23:53; Bright; 37.0; 149; 45Eps Per ; 2.89; 30000;occ; 74; 0; 9708

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11;-2613.1; 08-JAN-2004 07:36:57; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0; 9708
12;-2507.2; 08-JAN-2004 07:38:43; Bright; 47.0; 36; 50Alp UMa ; 1.80; 6300;occ; 94; 0; 9708
13;-2358.0; 08-JAN-2004 07:41:13; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0; 9708
14;-2269.0; 08-JAN-2004 07:42:42; Bright; 56.5; 87; 64Gam UMa ; 2.43; 11000;occ; 113; 0; 9708
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17;-1714.8; 08-JAN-2004 07:51:56; Bright; 71.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 142; 0; 9708
18;-1441.9; 08-JAN-2004 07:56:29; Bright; 49.0; 83; ; 2.38; 11000;occ; 98; 0; 9708
19;-1313.8; 08-JAN-2004 07:58:37; Bright; 35.0; 59; 55Alp Oph ; 2.08; 8900;occ; 70; 0; 9708
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21;-980.3; 08-JAN-2004 08:04:10; Bright; 38.5; 120; 1Del Oph ; 2.73; 3200;occ; 77; 0; 9708
22;-793.4; 08-JAN-2004 08:07:17; Dark ; 46.0; 104; 27Bet Lib ; 2.61; 13100;occ; 92; 0; 9708
23;-652.2; 08-JAN-2004 08:09:38; Dark ; 42.0; 80; 7Del Sco ; 2.32; 30000;occ; 84; 0; 9708
24;-319.5; 08-JAN-2004 08:15:11; Dark ; 80.0; 15; 67Alp Vir ; 0.98; 28000;occ; 160; 0; 9708
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26; 32.0; 08-JAN-2004 08:21:03; Dark ; 41.5; 4; Alp1Cen ;-0.01; 5800;occ; 83; 0; 9709
27; 221.1; 08-JAN-2004 08:24:12; Dark ; 42.0; 20; Bet Cru ; 1.25; 30000;occ; 84; 0; 9709
28; 339.5; 08-JAN-2004 08:26:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0; 9709
29; 479.7; 08-JAN-2004 08:28:30; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0; 9709
30; 580.2; 08-JAN-2004 08:30:11; Dark ; 40.5; 29; Bet Car ; 1.67; 10200;occ; 81; 0; 9709
31; 680.4; 08-JAN-2004 08:31:51; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0; 9709
32; 765.8; 08-JAN-2004 08:33:16; Dark ; 51.0; 41; Eps Car ; 1.86; 4100;occ; 102; 0; 9709
33; 1001.1; 08-JAN-2004 08:37:12; Dark ; 47.0; 2; Alp Car ;-0.74; 7000;occ; 94; 0; 9709
34; 1092.8; 08-JAN-2004 08:38:43; Dark ; 47.5; 70; Zet Pup ; 2.25; 39000;occ; 95; 0; 9709
35; 1204.8; 08-JAN-2004 08:40:35; Dark ; 47.5; 117; Pi Pup ; 2.71; 3800;occ; 95; 0; 9709
36; 1364.6; 08-JAN-2004 08:43:15; Dark ; 46.0; 23; 21Eps CMa ; 1.50; 26000;occ; 92; 0; 9709
37; 1453.2; 08-JAN-2004 08:44:44; Dark ; 42.0; 179; 240mi2Cma ; 3.03; 24000;occ; 84; 0; 9709
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5;-3732.9; 08-JAN-2004 08:58:54; Bright; 45.0; 151; 13Mu Gem ; 2.89; 3000;occ; 90; 0; 9709
6;-3641.9; 08-JAN-2004 09:00:25; Bright; 40.0; 28; 12Bet Tau ; 1.65; 15200;occ; 80; 0; 9709
7;-3557.1; 08-JAN-2004 09:01:49; Bright; 39.5; 114; 3Iot Aur ; 2.69; 4600;occ; 79; 0; 9709
8;-3397.2; 08-JAN-2004 09:04:29; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0; 9709
9;-3259.3; 08-JAN-2004 09:06:47; Bright; 37.0; 175; 39Del Per ; 3.01; 19400;occ; 74; 0; 9709
10;-3124.7; 08-JAN-2004 09:09:02; Bright; 37.5; 160; 23Gam Per ; 2.93; 4700;occ; 75; 0; 9709
11;-2613.4; 08-JAN-2004 09:17:33; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0; 9709
12;-2507.8; 08-JAN-2004 09:19:19; Bright; 50.0; 36; 50Alp UMa ; 1.80; 6300;occ; 100; 0; 9709
13;-2359.1; 08-JAN-2004 09:21:47; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0; 9709
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16;-1974.3; 08-JAN-2004 09:28:12; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0; 9709
17;-1715.1; 08-JAN-2004 09:32:31; Bright; 72.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 145; 0; 9709
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19;-1316.6; 08-JAN-2004 09:39:10; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0; 9709
20;-1146.6; 08-JAN-2004 09:42:00; Bright; 69.5; 111; 8Eta Boo ; 2.68; 6000;occ; 139; 0; 9709
21;-980.6; 08-JAN-2004 09:44:46; Bright; 39.0; 120; 1Del Oph ; 2.73; 3200;occ; 78; 0; 9709
22;-793.3; 08-JAN-2004 09:47:53; Dark ; 47.0; 104; 27Bet Lib ; 2.61; 13100;occ; 94; 0; 9709
23;-652.2; 08-JAN-2004 09:50:14; Dark ; 46.5; 80; 7Del Sco ; 2.32; 30000;occ; 93; 0; 9709
24;-317.1; 08-JAN-2004 09:55:49; Dark ; 82.0; 15; 67Alp Vir ; 0.98; 28000;occ; 164; 0; 9709
25;-144.3; 08-JAN-2004 09:58:42; Dark ; 42.5; 78; Alp Lup ; 2.30; 28000;occ; 85; 0; 9709
26; 32.0; 08-JAN-2004 10:01:38; Dark ; 53.0; 4; Alp1Cen ;-0.01; 5800;occ; 106; 0; 9710
27; 251.1; 08-JAN-2004 10:05:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0; 9710
28; 363.9; 08-JAN-2004 10:07:10; Dark ; 96.0; 171; 2Eps Crv ; 3.00; 4250;occ; 192; 0; 9710
29; 580.6; 08-JAN-2004 10:10:47; Dark ; 40.5; 29; Bet Car ; 1.67; 10200;occ; 81; 0; 9710
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31; 766.2; 08-JAN-2004 10:13:53; Dark ; 41.5; 41; Eps Car ; 1.86; 4100;occ; 83; 0; 9710
32; 1001.0; 08-JAN-2004 10:17:47; Dark ; 50.5; 2; Alp Car ;-0.74; 7000;occ; 101; 0; 9710
33; 1092.9; 08-JAN-2004 10:19:19; Dark ; 47.5; 70; Zet Pup ; 2.25; 39000;occ; 95; 0; 9710
34; 1204.9; 08-JAN-2004 10:21:11; Dark ; 45.5; 117; Pi Pup ; 2.71; 3800;occ; 91; 0; 9710
35; 1364.9; 08-JAN-2004 10:23:51; Dark ; 47.0; 23; 21Eps Cma ; 1.50; 26000;occ; 94; 0; 9710
36; 1453.7; 08-JAN-2004 10:25:20; Dark ; 42.0; 179; 240mi2Cma ; 3.03; 24000;occ; 84; 0; 9710
37; 1593.0; 08-JAN-2004 10:27:39; Dark ; 47.5; 1; 9Alp Cma ;-1.44; 11000;occ; 95; 0; 9710

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|-----|----------|-------------|-----------|--------|---|-------|------|-----------|---|--------|--------|------|------|----|------|
| 1;  | -5034.5; | 08-JAN-2004 | 18:40:48; | Dark   | ; | 50.5; | 2;   | Alp Car   | ; | -0.74; | 7000;  | occ; | 101; | 0; | 9715 |
| 2;  | -4941.2; | 08-JAN-2004 | 18:42:21; | Dark   | ; | 49.0; | 70;  | Zet Pup   | ; | 2.25;  | 39000; | occ; | 98;  | 0; | 9715 |
| 3;  | -4829.7; | 08-JAN-2004 | 18:44:12; | Dark   | ; | 41.5; | 117; | Pi Pup    | ; | 2.71;  | 3800;  | occ; | 83;  | 0; | 9715 |
| 4;  | -4670.1; | 08-JAN-2004 | 18:46:52; | Dark   | ; | 47.0; | 23;  | 21Eps CMa | ; | 1.50;  | 26000; | occ; | 94;  | 0; | 9715 |
| 5;  | -4582.1; | 08-JAN-2004 | 18:48:20; | Dark   | ; | 43.5; | 179; | 240mi2CMa | ; | 3.03;  | 24000; | occ; | 87;  | 0; | 9715 |
| 6;  | -4442.9; | 08-JAN-2004 | 18:50:39; | Dark   | ; | 51.0; | 1;   | 9Alp CMa  | ; | -1.44; | 11000; | occ; | 102; | 0; | 9715 |
| 7;  | -4253.0; | 08-JAN-2004 | 18:53:49; | Dark   | ; | 52.0; | 7;   | 19Bet Ori | ; | 0.10;  | 14000; | occ; | 104; | 0; | 9715 |
| 8;  | -4147.8; | 08-JAN-2004 | 18:55:34; | Dark   | ; | 46.0; | 30;  | 46Eps Ori | ; | 1.69;  | 30000; | occ; | 92;  | 0; | 9715 |
| 9;  | -3993.8; | 08-JAN-2004 | 18:58:08; | Dark   | ; | 61.0; | 8;   | 10Alp CMi | ; | 0.40;  | 6500;  | occ; | 122; | 0; | 9715 |
| 10; | -3835.3; | 08-JAN-2004 | 19:00:47; | Dark   | ; | 48.5; | 44;  | 24Gam Gem | ; | 1.93;  | 11000; | occ; | 97;  | 0; | 9715 |
| 11; | -3734.9; | 08-JAN-2004 | 19:02:27; | Bright | ; | 47.0; | 151; | 13Mu Gem  | ; | 2.89;  | 3000;  | occ; | 94;  | 0; | 9715 |
| 12; | -3642.0; | 08-JAN-2004 | 19:04:00; | Bright | ; | 38.5; | 28;  | 12Bet Tau | ; | 1.65;  | 15200; | occ; | 77;  | 0; | 9715 |
| 13; | -3556.7; | 08-JAN-2004 | 19:05:25; | Bright | ; | 39.5; | 114; | 3Iot Aur  | ; | 2.69;  | 4600;  | occ; | 79;  | 0; | 9715 |
| 14; | -3461.0; | 08-JAN-2004 | 19:07:01; | Bright | ; | 51.0; | 24;  | 66Alp Gem | ; | 1.58;  | 10200; | occ; | 102; | 0; | 9715 |
| 15; | -3357.2; | 08-JAN-2004 | 19:08:45; | Bright | ; | 41.0; | 42;  | 34Bet Aur | ; | 1.90;  | 10200; | occ; | 82;  | 0; | 9715 |
| 16; | -3257.5; | 08-JAN-2004 | 19:10:25; | Bright | ; | 37.0; | 175; | 39Del Per | ; | 3.01;  | 19400; | occ; | 74;  | 0; | 9715 |
| 17; | -3122.3; | 08-JAN-2004 | 19:12:40; | Bright | ; | 37.5; | 160; | 23Gam Per | ; | 2.93;  | 4700;  | occ; | 75;  | 0; | 9715 |
| 18; | -2613.4; | 08-JAN-2004 | 19:21:09; | Bright | ; | 37.0; | 49;  | 1Alp UMi  | ; | 1.99;  | 6300;  | occ; | 74;  | 0; | 9715 |
| 19; | -2512.0; | 08-JAN-2004 | 19:22:50; | Bright | ; | 46.0; | 36;  | 50Alp UMa | ; | 1.80;  | 6300;  | occ; | 92;  | 0; | 9715 |
| 20; | -2359.9; | 08-JAN-2004 | 19:25:22; | Bright | ; | 41.0; | 60;  | 7Bet UMi  | ; | 2.08;  | 3950;  | occ; | 82;  | 0; | 9715 |
| 21; | -2174.1; | 08-JAN-2004 | 19:28:28; | Bright | ; | 50.5; | 32;  | 77Eps UMa | ; | 1.76;  | 11000; | occ; | 101; | 0; | 9715 |
| 22; | -1972.9; | 08-JAN-2004 | 19:31:49; | Bright | ; | 38.0; | 130; | 23Bet Dra | ; | 2.80;  | 5800;  | occ; | 76;  | 0; | 9715 |
| 23; | -1716.4; | 08-JAN-2004 | 19:36:06; | Bright | ; | 72.5; | 152; | 12Alp2CVn | ; | 2.89;  | 11000; | occ; | 145; | 0; | 9715 |
| 24; | -1440.2; | 08-JAN-2004 | 19:40:42; | Bright | ; | 51.0; | 83;  |           | ; | 2.38;  | 11000; | occ; | 102; | 0; | 9715 |
| 25; | -1313.8; | 08-JAN-2004 | 19:42:48; | Bright | ; | 36.5; | 59;  | 55Alp Oph | ; | 2.08;  | 8900;  | occ; | 73;  | 0; | 9715 |
| 26; | -1142.3; | 08-JAN-2004 | 19:45:40; | Bright | ; | 73.0; | 111; | 8Eta Boo  | ; | 2.68;  | 6000;  | occ; | 146; | 0; | 9715 |
| 27; | -978.7;  | 08-JAN-2004 | 19:48:23; | Bright | ; | 39.0; | 120; | 1Del Oph  | ; | 2.73;  | 3200;  | occ; | 78;  | 0; | 9715 |
| 28; | -789.1;  | 08-JAN-2004 | 19:51:33; | Dark   | ; | 46.0; | 104; | 27Bet Lib | ; | 2.61;  | 13100; | occ; | 92;  | 0; | 9715 |
| 29; | -650.4;  | 08-JAN-2004 | 19:53:52; | Dark   | ; | 46.5; | 80;  | 7Del Sco  | ; | 2.32;  | 30000; | occ; | 93;  | 0; | 9715 |
| 30; | -305.3;  | 08-JAN-2004 | 19:59:37; | Dark   | ; | 82.5; | 15;  | 67Alp Vir | ; | 0.98;  | 28000; | occ; | 165; | 0; | 9715 |
| 31; | -140.9;  | 08-JAN-2004 | 20:02:21; | Dark   | ; | 44.0; | 78;  | Alp Lup   | ; | 2.30;  | 28000; | occ; | 88;  | 0; | 9715 |
| 32; | 34.3;    | 08-JAN-2004 | 20:05:16; | Dark   | ; | 53.0; | 4;   | Alp1Cen   | ; | -0.01; | 5800;  | occ; | 106; | 0; | 9716 |
| 33; | 225.4;   | 08-JAN-2004 | 20:08:27; | Dark   | ; | 42.5; | 20;  | Bet Cru   | ; | 1.25;  | 30000; | occ; | 85;  | 0; | 9716 |
| 34; | 362.4;   | 08-JAN-2004 | 20:10:44; | Dark   | ; | 59.5; | 0;   |           | ; | 0.00;  | 0;     | occ; | 119; | 0; | 9716 |
| 35; | 483.3;   | 08-JAN-2004 | 20:12:45; | Dark   | ; | 39.0; | 124; | The Car   | ; | 2.76;  | 30000; | occ; | 78;  | 0; | 9716 |
| 36; | 582.9;   | 08-JAN-2004 | 20:14:25; | Dark   | ; | 40.0; | 29;  | Bet Car   | ; | 1.67;  | 10200; | occ; | 80;  | 0; | 9716 |
| 37; | 683.8;   | 08-JAN-2004 | 20:16:06; | Dark   | ; | 41.5; | 71;  | Iot Car   | ; | 2.25;  | 7700;  | occ; | 83;  | 0; | 9716 |
| 38; | 768.6;   | 08-JAN-2004 | 20:17:31; | Dark   | ; | 46.5; | 41;  | Eps Car   | ; | 1.86;  | 4100;  | occ; | 93;  | 0; | 9716 |

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|-----|----------|-------------|-----------|--------|---|-------|------|-----------|---|--------|--------|------|------|----|------|
| 1;  | -5033.6; | 08-JAN-2004 | 20:21:24; | Dark   | ; | 48.5; | 2;   | Alp Car   | ; | -0.74; | 7000;  | occ; | 97;  | 0; | 9716 |
| 2;  | -4940.4; | 08-JAN-2004 | 20:22:57; | Dark   | ; | 48.0; | 70;  | Zet Pup   | ; | 2.25;  | 39000; | occ; | 96;  | 0; | 9716 |
| 3;  | -4829.1; | 08-JAN-2004 | 20:24:49; | Dark   | ; | 47.5; | 117; | Pi Pup    | ; | 2.71;  | 3800;  | occ; | 95;  | 0; | 9716 |
| 4;  | -4669.5; | 08-JAN-2004 | 20:27:28; | Dark   | ; | 49.5; | 23;  | 21Eps CMa | ; | 1.50;  | 26000; | occ; | 99;  | 0; | 9716 |
| 5;  | -4581.5; | 08-JAN-2004 | 20:28:56; | Dark   | ; | 44.5; | 179; | 240mi2CMa | ; | 3.03;  | 24000; | occ; | 89;  | 0; | 9716 |
| 6;  | -4442.7; | 08-JAN-2004 | 20:31:15; | Dark   | ; | 48.5; | 1;   | 9Alp CMa  | ; | -1.44; | 11000; | occ; | 97;  | 0; | 9716 |
| 7;  | -4252.2; | 08-JAN-2004 | 20:34:26; | Dark   | ; | 49.5; | 7;   | 19Bet Ori | ; | 0.10;  | 14000; | occ; | 99;  | 0; | 9716 |
| 8;  | -4147.0; | 08-JAN-2004 | 20:36:11; | Dark   | ; | 44.0; | 30;  | 46Eps Ori | ; | 1.69;  | 30000; | occ; | 88;  | 0; | 9716 |
| 9;  | -3994.7; | 08-JAN-2004 | 20:38:43; | Dark   | ; | 64.5; | 8;   | 10Alp CMi | ; | 0.40;  | 6500;  | occ; | 129; | 0; | 9716 |
| 10; | -3835.4; | 08-JAN-2004 | 20:41:22; | Dark   | ; | 47.0; | 44;  | 24Gam Gem | ; | 1.93;  | 11000; | occ; | 94;  | 0; | 9716 |
| 11; | -3734.7; | 08-JAN-2004 | 20:43:03; | Bright | ; | 44.0; | 151; | 13Mu Gem  | ; | 2.89;  | 3000;  | occ; | 88;  | 0; | 9716 |
| 12; | -3641.7; | 08-JAN-2004 | 20:44:36; | Bright | ; | 37.5; | 28;  | 12Bet Tau | ; | 1.65;  | 15200; | occ; | 75;  | 0; | 9716 |
| 13; | -3556.3; | 08-JAN-2004 | 20:46:02; | Bright | ; | 38.0; | 114; | 3Iot Aur  | ; | 2.69;  | 4600;  | occ; | 76;  | 0; | 9716 |
| 14; | -3461.9; | 08-JAN-2004 | 20:47:36; | Bright | ; | 48.5; | 24;  | 66Alp Gem | ; | 1.58;  | 10200; | occ; | 97;  | 0; | 9716 |
| 15; | -3357.0; | 08-JAN-2004 | 20:49:21; | Bright | ; | 38.5; | 42;  | 34Bet Aur | ; | 1.90;  | 10200; | occ; | 77;  | 0; | 9716 |
| 16; | -3257.1; | 08-JAN-2004 | 20:51:01; | Bright | ; | 37.0; | 175; | 39Del Per | ; | 3.01;  | 19400; | occ; | 74;  | 0; | 9716 |
| 17; | -3121.8; | 08-JAN-2004 | 20:53:16; | Bright | ; | 38.5; | 160; | 23Gam Per | ; | 2.93;  | 4700;  | occ; | 77;  | 0; | 9716 |
| 18; | -2613.2; | 08-JAN-2004 | 21:01:45; | Bright | ; | 36.0; | 49;  | 1Alp UMi  | ; | 1.99;  | 6300;  | occ; | 72;  | 0; | 9716 |
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3;-4141.5; 11-JAN-2004 07:17:13; Dark ; 38.0; 30; 46Eps Ori ; 1.69; 30000;occ; 76; 0; 9751
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5;-3840.9; 11-JAN-2004 07:22:14; Dark ; 44.0; 44; 24Gam Gem ; 1.93; 11000;occ; 88; 0; 9751
6;-3739.2; 11-JAN-2004 07:23:56; Bright; 45.0; 151; 13Mu Gem ; 2.89; 3000;occ; 90; 0; 9751
7;-3639.2; 11-JAN-2004 07:25:36; Bright; 38.0; 28; 12Bet Tau ; 1.65; 15200;occ; 76; 0; 9751
8;-3550.6; 11-JAN-2004 07:27:04; Bright; 39.0; 114; 3Iot Aur ; 2.69; 4600;occ; 78; 0; 9751
9;-3360.7; 11-JAN-2004 07:30:14; Bright; 37.5; 42; 34Bet Aur ; 1.90; 10200;occ; 75; 0; 9751
10;-3244.1; 11-JAN-2004 07:32:11; Bright; 36.0; 175; 39Del Per ; 3.01; 19400;occ; 72; 0; 9751
11;-3106.2; 11-JAN-2004 07:34:28; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0; 9751
12;-2612.7; 11-JAN-2004 07:42:42; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0; 9751
13;-2507.4; 11-JAN-2004 07:44:27; Bright; 56.0; 82; 48Bet UMa ; 2.37; 10600;occ; 112; 0; 9751
14;-2364.0; 11-JAN-2004 07:46:51; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0; 9751
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16;-1968.4; 11-JAN-2004 07:53:26; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0; 9751
17;-1788.0; 11-JAN-2004 07:56:27; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0; 9751
18;-1683.5; 11-JAN-2004 07:58:11; Bright; 49.0; 180; 27Gam Boo ; 3.04; 8000;occ; 98; 0; 9751
19;-1431.6; 11-JAN-2004 08:02:23; Bright; 54.0; 83; ; 2.38; 11000;occ; 108; 0; 9751
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21;-1111.1; 11-JAN-2004 08:07:44; Bright; 78.5; 111; 8Eta Boo ; 2.68; 6000;occ; 157; 0; 9751
22;-878.9; 11-JAN-2004 08:11:36; Bright; 37.0; 98; 13Zet Oph ; 2.57; 30000;occ; 74; 0; 9751
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25;-210.2; 11-JAN-2004 08:22:45; Dark ; 40.5; 109; Bet Lup ; 2.68; 26000;occ; 81; 0; 9751
26;-119.7; 11-JAN-2004 08:24:15; Dark ; 40.5; 78; Alp Lup ; 2.30; 28000;occ; 81; 0; 9751
27; 247.1; 11-JAN-2004 08:30:22; Dark ; 41.5; 20; Bet Cru ; 1.25; 30000;occ; 83; 0; 9752
28; 342.4; 11-JAN-2004 08:31:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0; 9752
29; 501.4; 11-JAN-2004 08:34:36; Dark ; 39.5; 124; The Car ; 2.76; 30000;occ; 79; 0; 9752
30; 594.8; 11-JAN-2004 08:36:10; Dark ; 39.5; 29; Bet Car ; 1.67; 10200;occ; 79; 0; 9752
31; 701.3; 11-JAN-2004 08:37:56; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0; 9752
32; 782.6; 11-JAN-2004 08:39:17; Dark ; 53.0; 41; Eps Car ; 1.86; 4100;occ; 106; 0; 9752
33; 1010.7; 11-JAN-2004 08:43:05; Dark ; 49.0; 2; Alp Car ; -0.74; 7000;occ; 98; 0; 9752
34; 1110.4; 11-JAN-2004 08:44:45; Dark ; 43.0; 70; Zet Pup ; 2.25; 39000;occ; 86; 0; 9752
35; 1217.8; 11-JAN-2004 08:46:33; Dark ; 43.0; 117; Pi Pup ; 2.71; 3800;occ; 86; 0; 9752
36; 1375.0; 11-JAN-2004 08:49:10; Dark ; 45.5; 23; 21Eps CMa ; 1.50; 26000;occ; 91; 0; 9752
37; 1461.6; 11-JAN-2004 08:50:36; Dark ; 42.0; 179; 240mi2CMA ; 3.03; 24000;occ; 84; 0; 9752
38; 1598.7; 11-JAN-2004 08:52:53; Dark ; 46.5; 1; 9Alp CMA ; -1.44; 11000;occ; 93; 0; 9752

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| 1;  | -4543.1; | 11-JAN-2004 | 10:31:43; | Dark    | ; | 42.5; | 179; | 240mi2CMA | ; | 3.03;  | 24000;occ; | 85;  | 62; | 9753 |
| 2;  | -4437.2; | 11-JAN-2004 | 10:33:29; | Dark    | ; | 51.5; | 1;   | 9Alp CMA  | ; | -1.44; | 11000;occ; | 103; | 0;  | 9753 |
| 3;  | -4244.9; | 11-JAN-2004 | 10:36:42; | Dark    | ; | 52.0; | 7;   | 19Bet Ori | ; | 0.10;  | 14000;occ; | 104; | 0;  | 9753 |
| 4;  | -4141.3; | 11-JAN-2004 | 10:38:25; | Dark    | ; | 40.5; | 30;  | 46Eps Ori | ; | 1.69;  | 30000;occ; | 81;  | 0;  | 9753 |
| 5;  | -4006.3; | 11-JAN-2004 | 10:40:40; | Dark    | ; | 58.5; | 8;   | 10Alp CMi | ; | 0.40;  | 6500;occ;  | 117; | 0;  | 9753 |
| 6;  | -3840.9; | 11-JAN-2004 | 10:43:26; | Dark    | ; | 46.0; | 44;  | 24Gam Gem | ; | 1.93;  | 11000;occ; | 92;  | 0;  | 9753 |
| 7;  | -3739.5; | 11-JAN-2004 | 10:45:07; | Bright; |   | 42.0; | 151; | 13Mu Gem  | ; | 2.89;  | 3000;occ;  | 84;  | 0;  | 9753 |
| 8;  | -3639.1; | 11-JAN-2004 | 10:46:47; | Bright; |   | 39.0; | 28;  | 12Bet Tau | ; | 1.65;  | 15200;occ; | 78;  | 0;  | 9753 |
| 9;  | -3550.4; | 11-JAN-2004 | 10:48:16; | Bright; |   | 38.0; | 114; | 3Iot Aur  | ; | 2.69;  | 4600;occ;  | 76;  | 0;  | 9753 |
| 10; | -3361.3; | 11-JAN-2004 | 10:51:25; | Bright; |   | 39.0; | 42;  | 34Bet Aur | ; | 1.90;  | 10200;occ; | 78;  | 0;  | 9753 |
| 11; | -3243.7; | 11-JAN-2004 | 10:53:23; | Bright; |   | 37.0; | 175; | 39Del Per | ; | 3.01;  | 19400;occ; | 74;  | 0;  | 9753 |
| 12; | -3105.7; | 11-JAN-2004 | 10:55:41; | Bright; |   | 36.5; | 160; | 23Gam Per | ; | 2.93;  | 4700;occ;  | 73;  | 0;  | 9753 |
| 13; | -2613.1; | 11-JAN-2004 | 11:03:53; | Bright; |   | 38.0; | 49;  | 1Alp UMi  | ; | 1.99;  | 6300;occ;  | 76;  | 0;  | 9753 |
| 14; | -2509.2; | 11-JAN-2004 | 11:05:37; | Bright; |   | 53.0; | 82;  | 48Bet UMA | ; | 2.37;  | 10600;occ; | 106; | 0;  | 9753 |
| 15; | -2364.3; | 11-JAN-2004 | 11:08:02; | Bright; |   | 40.0; | 60;  | 7Bet UMi  | ; | 2.08;  | 3950;occ;  | 80;  | 0;  | 9753 |
| 16; | -2194.7; | 11-JAN-2004 | 11:10:52; | Bright; |   | 53.0; | 32;  | 77Eps UMa | ; | 1.76;  | 11000;occ; | 106; | 0;  | 9753 |
| 17; | -1968.1; | 11-JAN-2004 | 11:14:38; | Bright; |   | 35.5; | 130; | 23Bet Dra | ; | 2.80;  | 5800;occ;  | 71;  | 0;  | 9753 |
| 18; | -1787.9; | 11-JAN-2004 | 11:17:39; | Bright; |   | 35.5; | 5;   | 3Alp Lyr  | ; | 0.03;  | 11000;occ; | 71;  | 0;  | 9753 |
| 19; | -1683.2; | 11-JAN-2004 | 11:19:23; | Bright; |   | 49.0; | 180; | 27Gam Boo | ; | 3.04;  | 8000;occ;  | 98;  | 0;  | 9753 |
| 20; | -1430.4; | 11-JAN-2004 | 11:23:36; | Bright; |   | 54.5; | 83;  |           | ; | 2.38;  | 11000;occ; | 109; | 0;  | 9753 |
| 21; | -1307.1; | 11-JAN-2004 | 11:25:39; | Bright; |   | 35.5; | 59;  | 55Alp Oph | ; | 2.08;  | 8900;occ;  | 71;  | 0;  | 9753 |
| 22; | -1108.5; | 11-JAN-2004 | 11:28:58; | Bright; |   | 78.5; | 111; | 8Eta Boo  | ; | 2.68;  | 6000;occ;  | 157; | 0;  | 9753 |
| 23; | -878.6;  | 11-JAN-2004 | 11:32:48; | Bright; |   | 52.0; | 98;  | 13Zet Oph | ; | 2.57;  | 30000;occ; | 104; | 0;  | 9753 |
| 24; | -611.5;  | 11-JAN-2004 | 11:37:15; | Dark    | ; | 46.0; | 16;  | 21Alp Sco | ; | 1.02;  | 3000;occ;  | 92;  | 0;  | 9753 |
| 25; | -306.1;  | 11-JAN-2004 | 11:42:20; | Dark    | ; | 38.5; | 131; | Gam Lup   | ; | 2.80;  | 26000;occ; | 77;  | 0;  | 9753 |
| 26; | -209.2;  | 11-JAN-2004 | 11:43:57; | Dark    | ; | 41.0; | 109; | Bet Lup   | ; | 2.68;  | 26000;occ; | 82;  | 0;  | 9753 |
| 27; | -118.7;  | 11-JAN-2004 | 11:45:28; | Dark    | ; | 40.5; | 78;  | Alp Lup   | ; | 2.30;  | 28000;occ; | 81;  | 0;  | 9753 |
| 28; | 247.8;   | 11-JAN-2004 | 11:51:34; | Dark    | ; | 42.5; | 20;  | Bet Cru   | ; | 1.25;  | 30000;occ; | 85;  | 0;  | 9754 |
| 29; | 344.4;   | 11-JAN-2004 | 11:53:11; | Dark    | ; | 59.5; | 0;   |           | ; | 0.00;  | 0;occ;     | 119; | 0;  | 9754 |
| 30; | 502.5;   | 11-JAN-2004 | 11:55:49; | Dark    | ; | 40.5; | 124; | The Car   | ; | 2.76;  | 30000;occ; | 81;  | 0;  | 9754 |
| 31; | 595.6;   | 11-JAN-2004 | 11:57:22; | Dark    | ; | 39.5; | 29;  | Bet Car   | ; | 1.67;  | 10200;occ; | 79;  | 0;  | 9754 |
| 32; | 701.7;   | 11-JAN-2004 | 11:59:08; | Dark    | ; | 50.0; | 71;  | Iot Car   | ; | 2.25;  | 7700;occ;  | 100; | 0;  | 9754 |
| 33; | 782.9;   | 11-JAN-2004 | 12:00:29; | Dark    | ; | 51.0; | 41;  | Eps Car   | ; | 1.86;  | 4100;occ;  | 102; | 0;  | 9754 |
| 34; | 1010.6;  | 11-JAN-2004 | 12:04:17; | Dark    | ; | 46.0; | 2;   | Alp Car   | ; | -0.74; | 7000;occ;  | 92;  | 0;  | 9754 |
| 35; | 1111.4;  | 11-JAN-2004 | 12:05:58; | Dark    | ; | 42.0; | 70;  | Zet Pup   | ; | 2.25;  | 39000;occ; | 84;  | 0;  | 9754 |
| 36; | 1217.7;  | 11-JAN-2004 | 12:07:44; | Dark    | ; | 46.0; | 117; | Pi Pup    | ; | 2.71;  | 3800;occ;  | 92;  | 0;  | 9754 |
| 37; | 1375.0;  | 11-JAN-2004 | 12:10:21; | Dark    | ; | 43.0; | 23;  | 21Eps CMA | ; | 1.50;  | 26000;occ; | 86;  | 0;  | 9754 |
| 38; | 1461.4;  | 11-JAN-2004 | 12:11:48; | Dark    | ; | 43.0; | 179; | 240mi2CMA | ; | 3.03;  | 24000;occ; | 86;  | 0;  | 9754 |

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|-----|----------|-------------|-----------|---------|---|-------|------|-----------|---|--------|------------|------|----|------|
| 1;  | -4817.1; | 11-JAN-2004 | 17:09:33; | Dark    | ; | 50.0; | 117; | Pi Pup    | ; | 2.71;  | 3800;occ;  | 100; | 0; | 9757 |
| 2;  | -4660.9; | 11-JAN-2004 | 17:12:09; | Dark    | ; | 45.5; | 23;  | 21Eps CMA | ; | 1.50;  | 26000;occ; | 91;  | 0; | 9757 |
| 3;  | -4573.6; | 11-JAN-2004 | 17:13:37; | Dark    | ; | 41.5; | 179; | 240mi2CMA | ; | 3.03;  | 24000;occ; | 83;  | 0; | 9757 |
| 4;  | -4436.8; | 11-JAN-2004 | 17:15:53; | Dark    | ; | 54.0; | 1;   | 9Alp CMA  | ; | -1.44; | 11000;occ; | 108; | 0; | 9757 |
| 5;  | -4244.8; | 11-JAN-2004 | 17:19:05; | Dark    | ; | 48.0; | 7;   | 19Bet Ori | ; | 0.10;  | 14000;occ; | 96;  | 0; | 9757 |
| 6;  | -4141.4; | 11-JAN-2004 | 17:20:49; | Dark    | ; | 43.5; | 30;  | 46Eps Ori | ; | 1.69;  | 30000;occ; | 87;  | 0; | 9757 |
| 7;  | -4007.3; | 11-JAN-2004 | 17:23:03; | Dark    | ; | 60.0; | 8;   | 10Alp CMi | ; | 0.40;  | 6500;occ;  | 120; | 0; | 9757 |
| 8;  | -3842.0; | 11-JAN-2004 | 17:25:48; | Dark    | ; | 44.0; | 44;  | 24Gam Gem | ; | 1.93;  | 11000;occ; | 88;  | 0; | 9757 |
| 9;  | -3740.1; | 11-JAN-2004 | 17:27:30; | Bright; |   | 43.5; | 151; | 13Mu Gem  | ; | 2.89;  | 3000;occ;  | 87;  | 0; | 9757 |
| 10; | -3639.6; | 11-JAN-2004 | 17:29:11; | Bright; |   | 39.0; | 28;  | 12Bet Tau | ; | 1.65;  | 15200;occ; | 78;  | 0; | 9757 |
| 11; | -3549.8; | 11-JAN-2004 | 17:30:40; | Bright; |   | 38.5; | 114; | 3Iot Aur  | ; | 2.69;  | 4600;occ;  | 77;  | 0; | 9757 |
| 12; | -3361.7; | 11-JAN-2004 | 17:33:48; | Bright; |   | 37.5; | 42;  | 34Bet Aur | ; | 1.90;  | 10200;occ; | 75;  | 0; | 9757 |
| 13; | -3242.3; | 11-JAN-2004 | 17:35:48; | Bright; |   | 37.5; | 175; | 39Del Per | ; | 3.01;  | 19400;occ; | 75;  | 0; | 9757 |
| 14; | -3103.8; | 11-JAN-2004 | 17:38:06; | Bright; |   | 37.0; | 160; | 23Gam Per | ; | 2.93;  | 4700;occ;  | 74;  | 0; | 9757 |
| 15; | -2612.7; | 11-JAN-2004 | 17:46:18; | Bright; |   | 39.0; | 49;  | 1Alp UMi  | ; | 1.99;  | 6300;occ;  | 78;  | 0; | 9757 |
| 16; | -2512.9; | 11-JAN-2004 | 17:47:57; | Bright; |   | 55.0; | 82;  | 48Bet UMA | ; | 2.37;  | 10600;occ; | 110; | 0; | 9757 |
| 17; | -2364.7; | 11-JAN-2004 | 17:50:26; | Bright; |   | 36.0; | 60;  | 7Bet UMi  | ; | 2.08;  | 3950;occ;  | 72;  | 0; | 9757 |
| 18; | -2197.4; | 11-JAN-2004 | 17:53:13; | Bright; |   | 53.0; | 32;  | 77Eps UMa | ; | 1.76;  | 11000;occ; | 106; | 0; | 9757 |
| 19; | -1967.8; | 11-JAN-2004 | 17:57:02; | Bright; |   | 37.0; | 130; | 23Bet Dra | ; | 2.80;  | 5800;occ;  | 74;  | 0; | 9757 |
| 20; | -1786.7; | 11-JAN-2004 | 18:00:04; | Bright; |   | 38.0; | 5;   | 3Alp Lyr  | ; | 0.03;  | 11000;occ; | 76;  | 0; | 9757 |
| 21; | -1683.7; | 11-JAN-2004 | 18:01:47; | Bright; |   | 49.5; | 180; | 27Gam Boo | ; | 3.04;  | 8000;occ;  | 99;  | 0; | 9757 |
| 22; | -1430.0; | 11-JAN-2004 | 18:06:00; | Bright; |   | 54.0; | 83;  |           | ; | 2.38;  | 11000;occ; | 108; | 0; | 9757 |
| 23; | -1305.9; | 11-JAN-2004 | 18:08:04; | Bright; |   | 34.0; | 59;  | 55Alp Oph | ; | 2.08;  | 8900;occ;  | 68;  | 0; | 9757 |
| 24; | -1105.4; | 11-JAN-2004 | 18:11:25; | Dark    | ; | 84.5; | 111; | 8Eta Boo  | ; | 2.68;  | 6000;occ;  | 169; | 0; | 9757 |
| 25; | -877.1;  | 11-JAN-2004 | 18:15:13; | Bright; |   | 52.0; | 98;  | 13Zet Oph | ; | 2.57;  | 30000;occ; | 104; | 0; | 9757 |
| 26; | -762.4;  | 11-JAN-2004 | 18:17:08; | Dark    | ; | 48.0; | 104; | 27Bet Lib | ; | 2.61;  | 13100;occ; | 96;  | 0; | 9757 |
| 27; | -610.1;  | 11-JAN-2004 | 18:19:40; | Dark    | ; | 52.0; | 16;  | 21Alp Sco | ; | 1.02;  | 3000;occ;  | 104; | 0; | 9757 |
| 28; | -304.3;  | 11-JAN-2004 | 18:24:46; | Dark    | ; | 39.5; | 131; | Gam Lup   | ; | 2.80;  | 26000;occ; | 79;  | 0; | 9757 |

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 31; 51.1; 11-JAN-2004 18:30:41; Dark ; 43.0; 4; Alp1Cen ; -0.01; 5800;occ; 86; 0; 9758  
 32; 250.5; 11-JAN-2004 18:34:01; Dark ; 43.0; 20; Bet Cru ; 1.25; 30000;occ; 86; 0; 9758  
 33; 348.1; 11-JAN-2004 18:35:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0; 9758  
 34; 504.7; 11-JAN-2004 18:38:15; Dark ; 40.0; 124; The Car ; 2.76; 30000;occ; 80; 0; 9758  
 35; 596.9; 11-JAN-2004 18:39:47; Dark ; 39.0; 29; Bet Car ; 1.67; 10200;occ; 78; 0; 9758  
 36; 703.7; 11-JAN-2004 18:41:34; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0; 9758  
 37; 784.4; 11-JAN-2004 18:42:55; Dark ; 48.5; 41; Eps Car ; 1.86; 4100;occ; 97; 0; 9758  
 38; 1011.4; 11-JAN-2004 18:46:42; Dark ; 44.5; 2; Alp Car ; -0.74; 7000;occ; 89; 0; 9758

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 5; -3739.3; 11-JAN-2004 09:04:31; Bright; 45.5; 151; 13Mu Gem ; 2.89; 3000;occ; 91; 0; 9752  
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 7; -3550.4; 11-JAN-2004 09:07:40; Bright; 38.0; 114; 3Iot Aur ; 2.69; 4600;occ; 76; 0; 9752  
 8; -3361.0; 11-JAN-2004 09:10:50; Bright; 38.0; 42; 34Bet Aur ; 1.90; 10200;occ; 76; 0; 9752  
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32; 1074.5; 31-JAN-2004 11:36:34; Dark ; 39.0; 34; Gam2Vel ; 1.79; 23000;occ; 78; 0;10040
33; 1200.5; 31-JAN-2004 11:38:40; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;10040
34; 1283.7; 31-JAN-2004 11:40:03; Dark ; 46.0; 117; Pi Pup ; 2.71; 3800;occ; 92; 0;10040
35; 1429.6; 31-JAN-2004 11:42:29; Dark ; 43.0; 23; 21Eps CMa ; 1.50; 26000;occ; 86; 0;10040
36; 1512.2; 31-JAN-2004 11:43:52; Dark ; 39.5; 179; 240mi2CMa ; 3.03; 24000;occ; 79; 0;10040
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2;-4291.8; 31-JAN-2004 11:47:44; Dark ; 66.0; 48; 30Alp Hya ; 1.98; 4100;occ; 132; 0;10040
3;-4044.9; 31-JAN-2004 11:51:51; Dark ; 54.0; 8; 10Alp CMi ; 0.40; 6500;occ; 108; 0;10040
4;-3954.4; 31-JAN-2004 11:53:21; Bright; 44.5; 14; 58Alp Ori ; 0.87; 3000;occ; 89; 0;10040
5;-3840.1; 31-JAN-2004 11:55:16; Bright; 38.0; 44; 24Gam Gem ; 1.93; 11000;occ; 76; 0;10040
6;-3730.5; 31-JAN-2004 11:57:05; Bright; 38.5; 151; 13Mu Gem ; 2.89; 3000;occ; 77; 0;10040
7;-3641.4; 31-JAN-2004 11:58:34; Bright; 42.0; 17; 78Bet Gem ; 1.16; 4500;occ; 84; 0;10040
8;-3473.1; 31-JAN-2004 12:01:23; Bright; 37.0; 107; 37The Aur ; 2.65; 11000;occ; 74; 0;10040
9;-3348.0; 31-JAN-2004 12:03:28; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;10040
10;-2769.0; 31-JAN-2004 12:13:07; Bright; 50.0; 82; 48Bet UMa ; 2.37; 10600;occ; 100; 0;10040
11;-2609.8; 31-JAN-2004 12:15:46; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;10040
12;-2420.7; 31-JAN-2004 12:18:55; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;10040
13;-2251.1; 31-JAN-2004 12:21:45; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;10040
14;-2138.8; 31-JAN-2004 12:23:37; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;10040
15;-1950.7; 31-JAN-2004 12:26:45; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;10040
16;-1734.6; 31-JAN-2004 12:30:21; Bright; 38.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 77; 0;10040
17;-1553.0; 31-JAN-2004 12:33:23; Bright; 45.0; 133; 40Zet Her ; 2.81; 6000;occ; 90; 0;10040
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19;-1116.9; 31-JAN-2004 12:40:39; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;10040
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21; -730.8; 31-JAN-2004 12:47:05; Dark ; 44.5; 86; 35Eta Oph ; 2.43; 10200;occ; 89; 0;10040
22; -564.3; 31-JAN-2004 12:49:51; Dark ; 42.5; 167; 10Gam2Sgr ; 2.98; 4500;occ; 85; 0;10040
23; -474.8; 31-JAN-2004 12:51:21; Dark ; 50.0; 16; 21Alp Sco ; 1.02; 3000;occ; 100; 0;10040
24; -336.0; 31-JAN-2004 12:53:40; Dark ; 44.5; 40; The Sco ; 1.86; 7100;occ; 89; 0;10040
25; -216.2; 31-JAN-2004 12:55:39; Dark ; 70.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 140; 0;10040
26; 3.3; 31-JAN-2004 12:59:19; Dark ; 46.5; 109; Bet Lup ; 2.68; 26000;occ; 93; 0;10041
27; 185.7; 31-JAN-2004 13:02:21; Dark ; 43.0; 4; Alp1Cen ; -0.01; 5800;occ; 86; 0;10041
28; 271.7; 31-JAN-2004 13:03:47; Dark ; 58.5; 0; ; 0.00; 0;occ; 117; 0;10041
29; 461.2; 31-JAN-2004 13:06:57; Dark ; 44.5; 12; Alp1Cru ; 0.77; 30000;occ; 89; 0;10041
30; 579.3; 31-JAN-2004 13:08:55; Dark ; 46.5; 99; Del Cen ; 2.58; 26000;occ; 93; 0;10041
31; 674.6; 31-JAN-2004 13:10:30; Dark ; 41.0; 29; Bet Car ; 1.67; 10200;occ; 82; 0;10041
32; 870.1; 31-JAN-2004 13:13:46; Dark ; 39.5; 41; Eps Car ; 1.86; 4100;occ; 79; 0;10041
33; 1072.4; 31-JAN-2004 13:17:08; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;10041
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35; 1282.9; 31-JAN-2004 13:20:38; Dark ; 46.0; 117; Pi Pup ; 2.71; 3800;occ; 92; 0;10041
36; 1429.2; 31-JAN-2004 13:23:05; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 0;10041
37; 1509.9; 31-JAN-2004 13:24:26; Dark ; 41.0; 179; 240mi2CMa ; 3.03; 24000;occ; 82; 0;10041

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