

GOMOS Daily Report 09-APR-2004

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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 | 11APR2004 07:17:45 |
| Data source version | GOMOS/4.02 |
| Start time of products | 09-APR-2004 (09APR2004 00:00:00) |
| Stop time of products | 10-APR-2004 (10APR2004 00:00:00) |
| Store outputs flag | 1 |
| Nb of level 1b prods | 49 |
| Nb of prods with errors | 1 |

2. Summary of products arrived in PCF

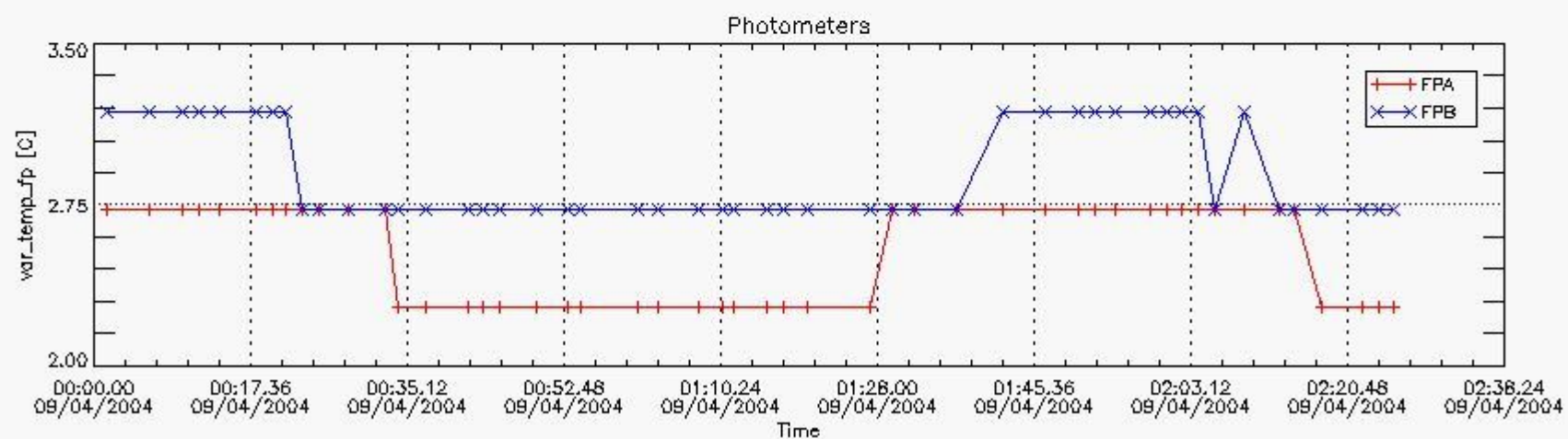
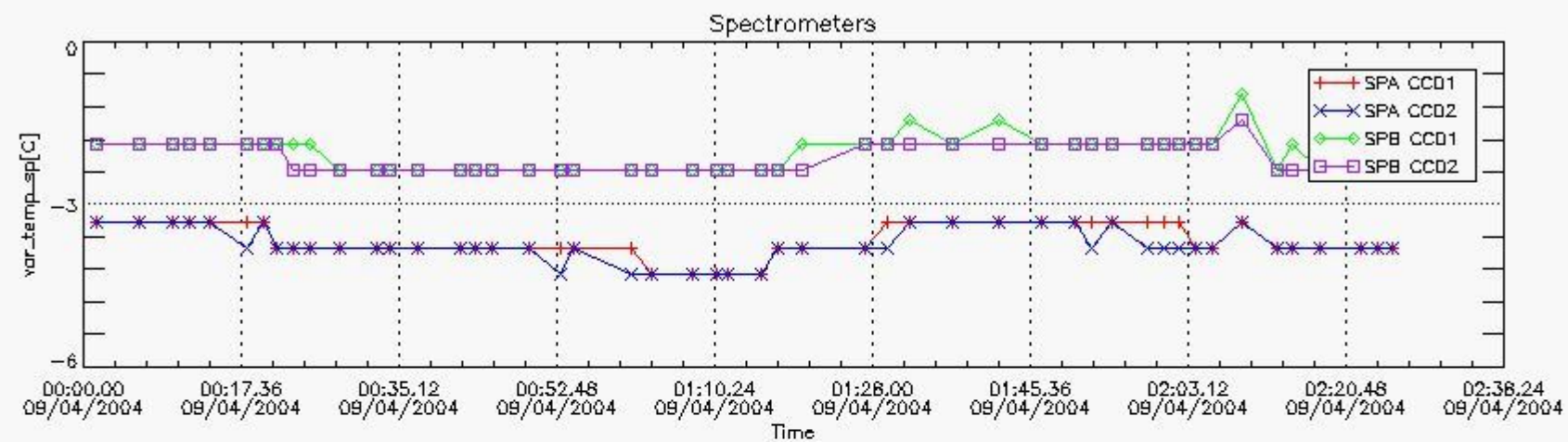
[2.1 Level 0 products arrived in PCF \(see template \[here\]\(#\)\)](#)

[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_1PNPDE20040409_000130_000000422025_00445_11020_0023.N1 | 09-APR-2004 00:01:30 | Dark | 42.000 | 31 | Alp Gru | 1.7340 | 15200. | 84 | 11020 | No |
| GOM_TRA_1PNPDE20040409_000609_000000422025_00446_11021_0024.N1 | 09-APR-2004 00:06:09 | Dark | 42.000 | 45 | Alp Pav | 1.9400 | 26000. | 84 | 11021 | No |
| GOM_TRA_1PNPDE20040409_000957_000000622025_00446_11021_0025.N1 | 09-APR-2004 00:09:57 | Dark | 62.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 124 | 11021 | No |
| GOM_TRA_1PNPDE20040409_001153_000000722025_00446_11021_0026.N1 | 09-APR-2004 00:11:53 | Dark | 71.500 | 167 | 10Gam2Sgr | 2.9840 | 4500.0 | 143 | 11021 | No |
| GOM_TRA_1PNPDE20040409_001407_000000662025_00446_11021_0027.N1 | 09-APR-2004 00:14:07 | Dark | 66.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 132 | 11021 | No |
| GOM_TRA_1PNPDE20040409_001808_000000542025_00446_11021_0028.N1 | 09-APR-2004 00:18:08 | Dark | 54.000 | 4 | Alp1Cen | -0.010000 | 5800.0 | 108 | 11021 | No |
| GOM_TRA_1PNPDE20040409_001959_000000452025_00446_11021_0029.N1 | 09-APR-2004 00:19:59 | Dark | 45.000 | 12 | Alp1Cru | 0.77500 | 30000. | 90 | 11021 | No |
| GOM_TRA_1PNPDE20040409_002130_000000462025_00446_11021_0030.N1 | 09-APR-2004 00:21:30 | Dark | 46.000 | 26 | Gam Cru | 1.6240 | 2900.0 | 92 | 11021 | No |
| GOM_TRA_1PNPDE20040409_002330_000000442025_00446_11021_0031.N1 | 09-APR-2004 00:23:30 | Dark | 43.500 | 64 | Gam Cen | 2.2000 | 10600. | 87 | 11021 | No |
| GOM_TRA_1PNPDE20040409_002518_000000512025_00446_11021_0032.N1 | 09-APR-2004 00:25:18 | Dark | 51.000 | 54 | 5The Cen | 2.0550 | 4500.0 | 102 | 11021 | No |
| GOM_TRA_1PNPDE20040409_002834_000001152025_00446_11021_0000.N1 | 09-APR-2004 00:28:34 | Dark | 114.50 | 97 | 8Bet1Sco | 2.5610 | 30000. | 229 | 11021 | No |
| GOM_TRA_1PNPDE20040409_003238_000000452025_00446_11021_0001.N1 | 09-APR-2004 00:32:38 | Dark | 44.500 | 100 | 4Gam Crv | 2.5800 | 13100. | 89 | 11021 | No |
| GOM_TRA_1PNPDE20040409_003413_000000522025_00446_11021_0002.N1 | 09-APR-2004 00:34:13 | Bright | 52.000 | 15 | 67Alp Vir | 0.97600 | 28000. | 104 | 11021 | No |
| GOM_TRA_1PNPDE20040409_003717_000000432025_00446_11021_0003.N1 | 09-APR-2004 00:37:17 | Bright | 43.000 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 86 | 11021 | No |
| GOM_TRA_1PNPDE20040409_004159_000000382025_00446_11021_0004.N1 | 09-APR-2004 00:41:59 | Bright | 38.000 | 62 | 94Bet Leo | 2.1360 | 9700.0 | 76 | 11021 | No |
| GOM_TRA_1PNPDE20040409_004346_000000392025_00446_11021_0005.N1 | 09-APR-2004 00:43:46 | Bright | 38.500 | 96 | 68Del Leo | 2.5600 | 9300.0 | 77 | 11021 | No |
| GOM_TRA_1PNPDE20040409_004528_000000552025_00446_11021_0006.N1 | 09-APR-2004 00:45:28 | Bright | 54.500 | 111 | 8Eta Boo | 2.6800 | 6000.0 | 109 | 11021 | No |
| GOM_TRA_1PNPDE20040409_004943_000000412025_00446_11021_0007.N1 | 09-APR-2004 00:49:43 | Bright | 41.000 | 152 | 12Alp2CVn | 2.8900 | 11000. | 82 | 11021 | No |
| GOM_TRA_1PNPDE20040409_005310_000000392025_00446_11021_0008.N1 | 09-APR-2004 00:53:10 | Bright | 39.000 | 87 | 64Gam UMa | 2.4330 | 11000. | 78 | 11021 | No |
| GOM_TRA_1PNPDE20040409_005437_000000422025_00446_11021_0009.N1 | 09-APR-2004 00:54:37 | Bright | 41.500 | 32 | 77Eps UMa | 1.7630 | 11000. | 83 | 11021 | No |
| GOM_TRA_1PNPDE20040409_010103_000000432025_00446_11021_0010.N1 | 09-APR-2004 01:01:03 | Bright | 42.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 85 | 11021 | No |
| GOM_TRA_1PNPDE20040409_010324_000000352025_00446_11021_0011.N1 | 09-APR-2004 01:03:24 | Bright | 34.500 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 69 | 11021 | No |
| GOM_TRA_1PNPDE20040409_010756_000000612025_00446_11021_0012.N1 | 09-APR-2004 01:07:56 | Bright | 61.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 122 | 11021 | No |
| GOM_TRA_1PNPDE20040409_011032_000000382025_00446_11021_0013.N1 | 09-APR-2004 01:10:32 | Bright | 38.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 76 | 11021 | No |
| GOM_TRA_1PNPDE20040409_011152_000000352025_00446_11021_0014.N1 | 09-APR-2004 01:11:52 | Bright | 35.000 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 70 | 11021 | No |
| GOM_TRA_1PNPDE20040409_011539_000000752025_00446_11021_0015.N1 | 09-APR-2004 01:15:39 | Bright | 75.000 | 144 | 18Del Cyg | 2.8600 | 11000. | 150 | 11021 | No |
| GOM_TRA_1PNPDE20040409_011725_000000992025_00446_11021_0016.N1 | 09-APR-2004 01:17:25 | Bright | 98.500 | 5 | 3Alp Lyr | 0.033000 | 11000. | 197 | 11021 | No |
| GOM_TRA_1PNPDE20040409_012010_000000482025_00446_11021_0017.N1 | 09-APR-2004 01:20:10 | Bright | 48.000 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 96 | 11021 | No |
| GOM_TRA_1PNPDE20040409_012707_000000502025_00446_11021_0018.N1 | 09-APR-2004 01:27:07 | Dark | 50.000 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 100 | 11021 | No |
| GOM_TRA_1PNPDE20040409_012933_000000472025_00446_11021_0019.N1 | 09-APR-2004 01:29:33 | Dark | 46.500 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 93 | 11021 | No |
| GOM_TRA_1PNPDE20040409_013206_000000862025_00446_11021_0020.N1 | 09-APR-2004 01:32:06 | Dark | 85.500 | 11 | 53Alp Aql | 0.76500 | 8000.0 | 171 | 11021 | No |
| GOM_TRA_1PNPDE20040409_013649_000000462025_00446_11021_0021.N1 | 09-APR-2004 01:36:49 | Dark | 45.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 91 | 11021 | No |
| GOM_TRA_1PNPDE20040409_014206_000000412025_00446_11021_0022.N1 | 09-APR-2004 01:42:06 | Dark | 41.000 | 31 | Alp Gru | 1.7340 | 15200. | 82 | 11021 | No |
| GOM_TRA_1PNPDE20040409_014645_000000412025_00447_11022_0023.N1 | 09-APR-2004 01:46:45 | Dark | 41.000 | 45 | Alp Pav | 1.9400 | 26000. | 82 | 11022 | No |
| GOM_TRA_1PNPDE20040409_015035_000000582025_00447_11022_0024.N1 | 09-APR-2004 01:50:35 | Dark | 58.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 116 | 11022 | No |
| GOM_TRA_1PNPDE20040409_015231_000000752025_00447_11022_0025.N1 | 09-APR-2004 01:52:31 | Dark | 75.000 | 167 | 10Gam2Sgr | 2.9840 | 4500.0 | 150 | 11022 | No |
| GOM_TRA_1PNPDE20040409_015444_000000672025_00447_11022_0026.N1 | 09-APR-2004 01:54:44 | Dark | 66.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 133 | 11022 | No |
| GOM_TRA_1PNPDE20040409_015844_000000502025_00447_11022_0027.N1 | 09-APR-2004 01:58:44 | Dark | 50.000 | 4 | Alp1Cen | -0.010000 | 5800.0 | 100 | 11022 | No |
| GOM_TRA_1PNPDE20040409_020035_000000492025_00447_11022_0028.N1 | 09-APR-2004 02:00:35 | Dark | 48.500 | 12 | Alp1Cru | 0.77500 | 30000. | 97 | 11022 | No |
| GOM_TRA_1PNPDE20040409_020206_000000472025_00447_11022_0029.N1 | 09-APR-2004 02:02:06 | Dark | 46.500 | 26 | Gam Cru | 1.6240 | 2900.0 | 93 | 11022 | No |
| GOM_TRA_1PNPDE20040409_020406_000000462025_00447_11022_0030.N1 | 09-APR-2004 02:04:06 | Dark | 45.500 | 64 | Gam Cen | 2.2000 | 10600. | 91 | 11022 | No |
| GOM_TRA_1PNPDE20040409_020555_000000552025_00447_11022_0031.N1 | 09-APR-2004 02:05:55 | Dark | 55.000 | 54 | 5The Cen | 2.0550 | 4500.0 | 110 | 11022 | No |
| GOM_TRA_1PNPDE20040409_020910_000001092025_00447_11022_0000.N1 | 09-APR-2004 02:09:10 | Dark | 109.00 | 97 | 8Bet1Sco | 2.5610 | 30000. | 218 | 11022 | Yes |
| GOM_TRA_1PNPDE20040409_021312_000000462025_00447_11022_0001.N1 | 09-APR-2004 02:13:12 | Dark | 46.000 | 100 | 4Gam Crv | 2.5800 | 13100. | 92 | 11022 | No |
| GOM_TRA_1PNPDE20040409_021448_000000522025_00447_11022_0002.N1 | 09-APR-2004 02:14:48 | Bright | 51.500 | 15 | 67Alp Vir | 0.97600 | 28000. | 103 | 11022 | No |
| GOM_TRA_1PNPDE20040409_021751_000000452025_00447_11022_0003.N1 | 09-APR-2004 02:17:51 | Bright | 45.000 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 90 | 11022 | No |
| GOM_TRA_1PNPDE20040409_022232_000000412025_00447_11022_0004.N1 | 09-APR-2004 02:22:32 | Bright | 41.000 | 62 | 94Bet Leo | 2.1360 | 9700.0 | 82 | 11022 | No |
| GOM_TRA_1PNPDE20040409_022422_000000392025_00447_11022_0005.N1 | 09-APR-2004 02:24:22 | Bright | 38.500 | 96 | 68Del Leo | 2.5600 | 9300.0 | 77 | 11022 | No |
| GOM_TRA_1PNPDE20040409_022603_000000552025_00447_11022_0006.N1 | 09-APR-2004 02:26:03 | Bright | 54.500 | 111 | 8Eta Boo | 2.6800 | 6000.0 | 109 | 11022 | No |

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



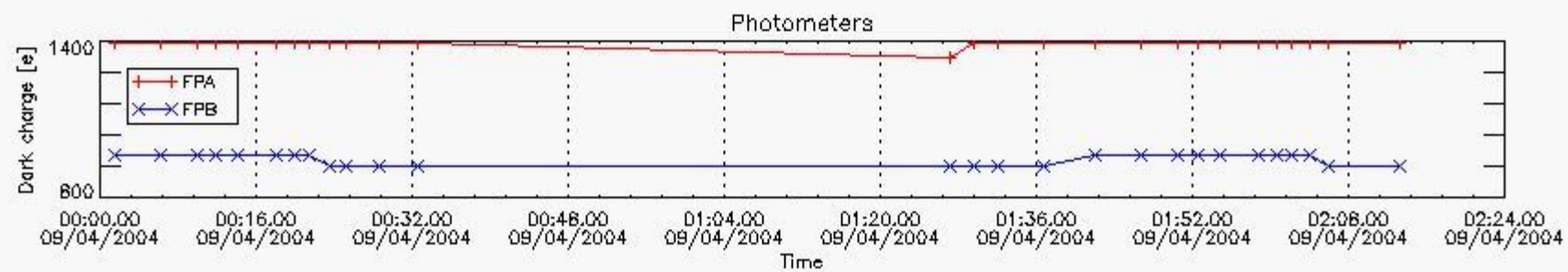
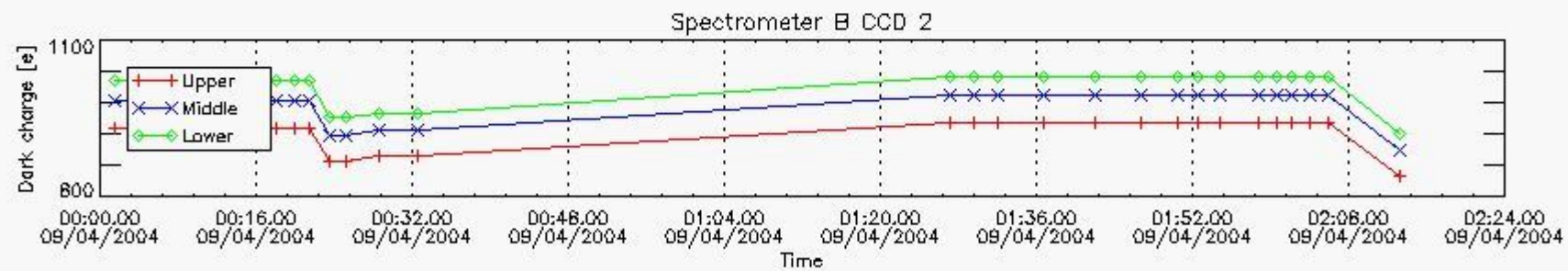
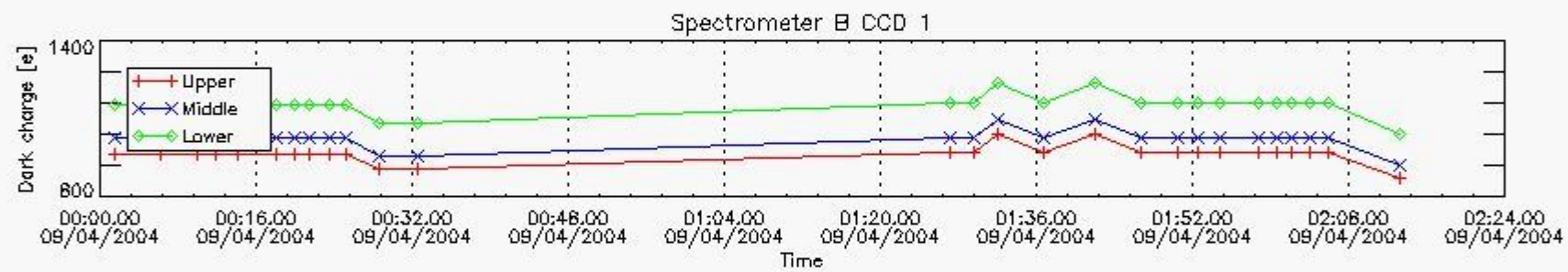
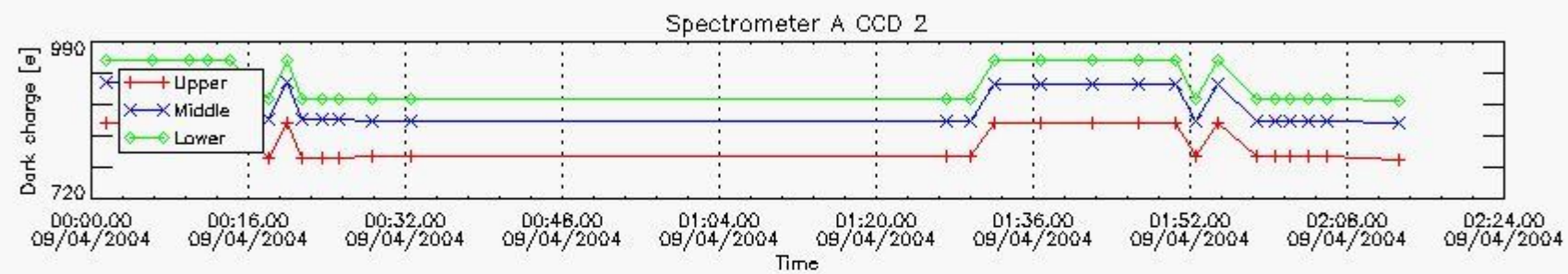
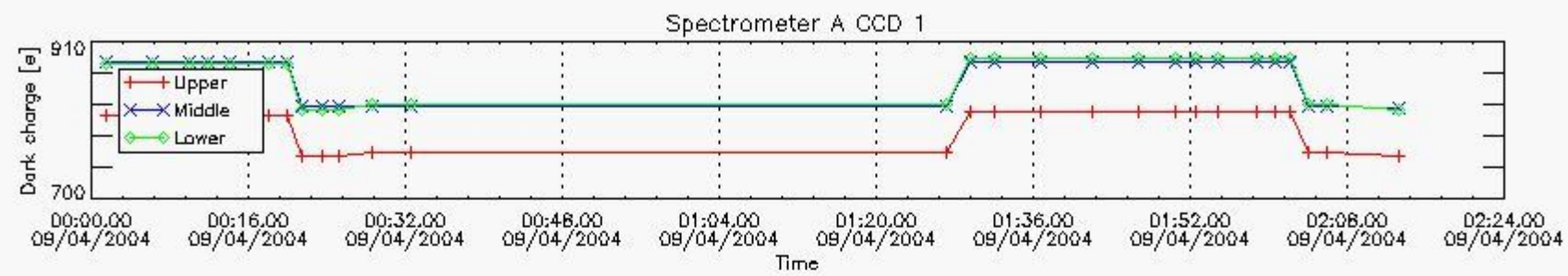
4. Overview of dark signal processing per product

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

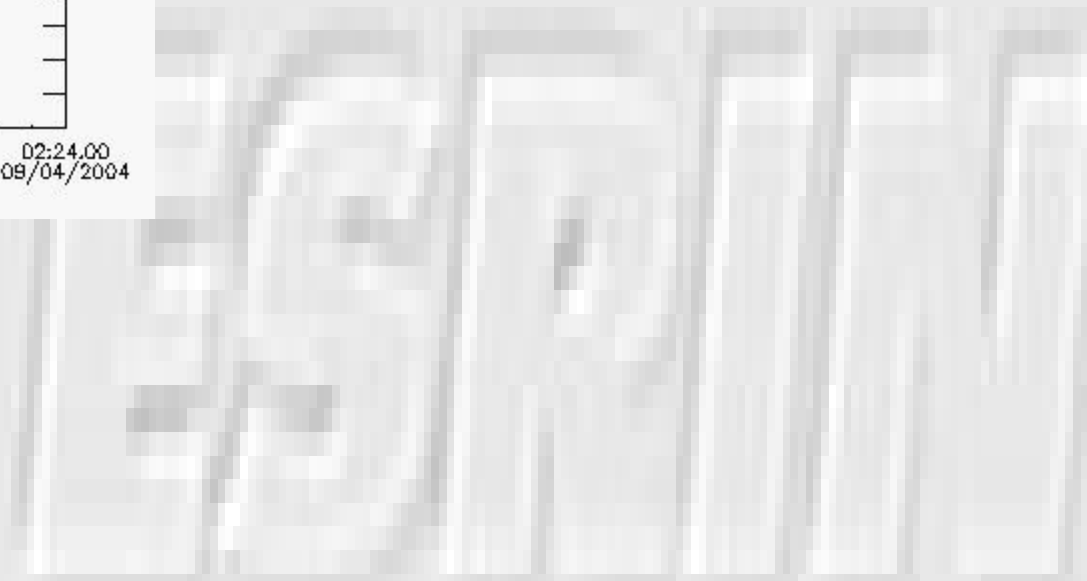
4.2 Plot of mean dark charges per product: only products in DARK limb conditions without errors are used



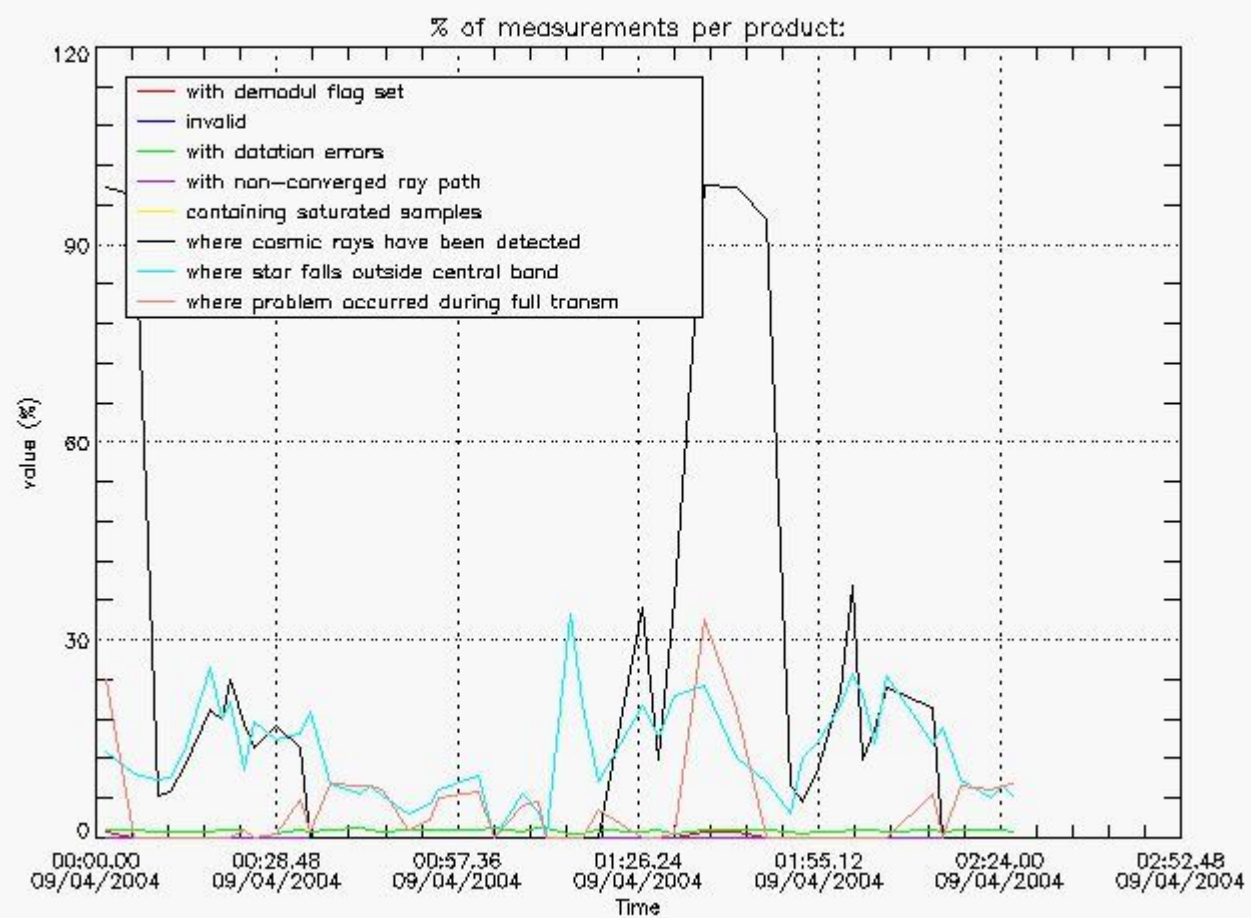
5. Demodulation flag and quality information monitoring

5.1 Percentage of products during reporting period with:

| | |
|---|-----------|
| At least one measurement with demodulation flag set: | 12.5000 % |
| 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



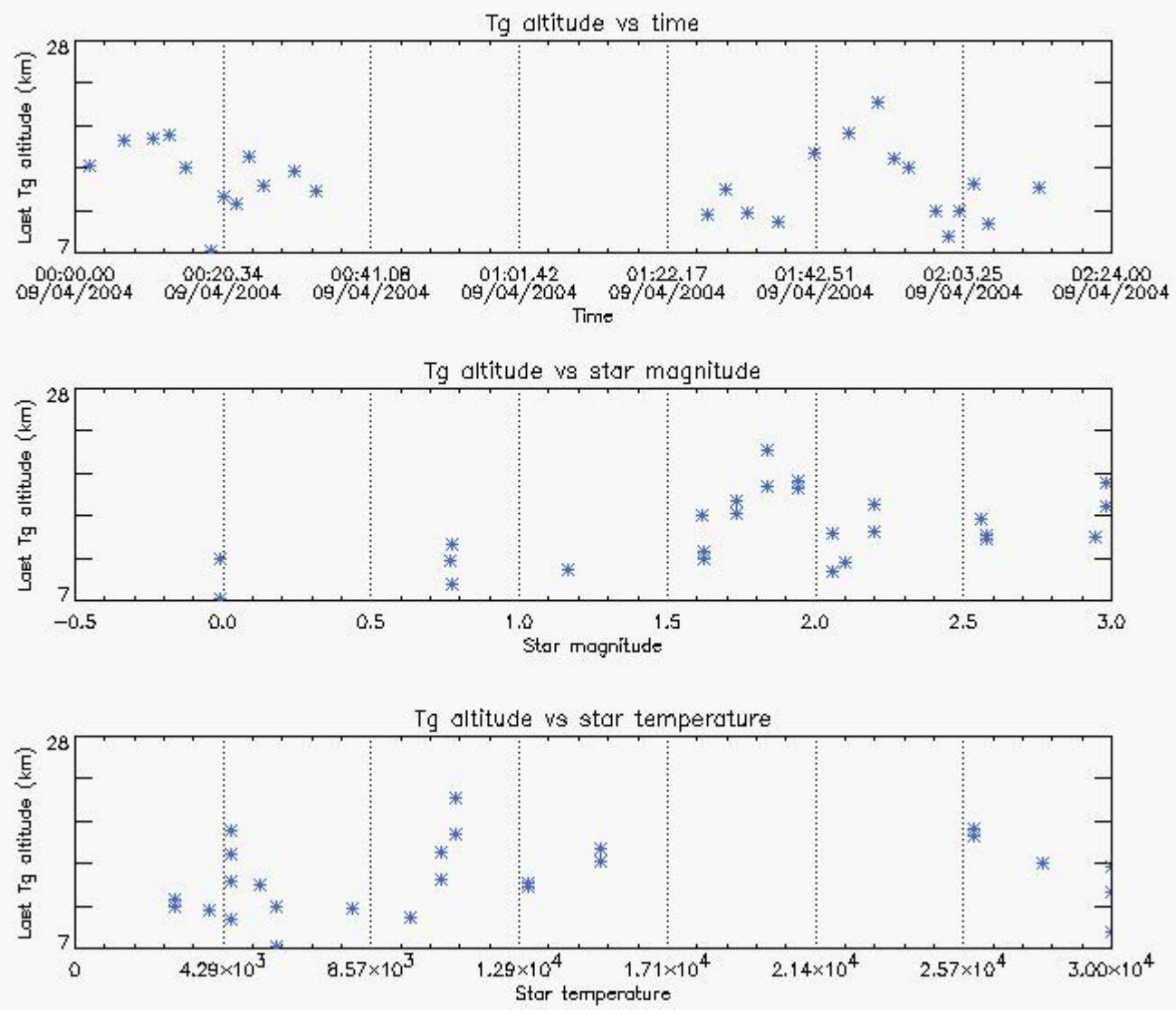
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

| Statistics | DARK | BRIGHT |
|-----------------|--------|--------|
| Mean: | 14.025 | 18.983 |
| St. deviation: | 3.5243 | 5.4878 |
| Maximum: | 21.845 | 30.397 |
| Minimum: | 7.1468 | 4.7065 |
| Number of data: | 27.000 | 21.000 |

6.2 Plot for DARK limb products

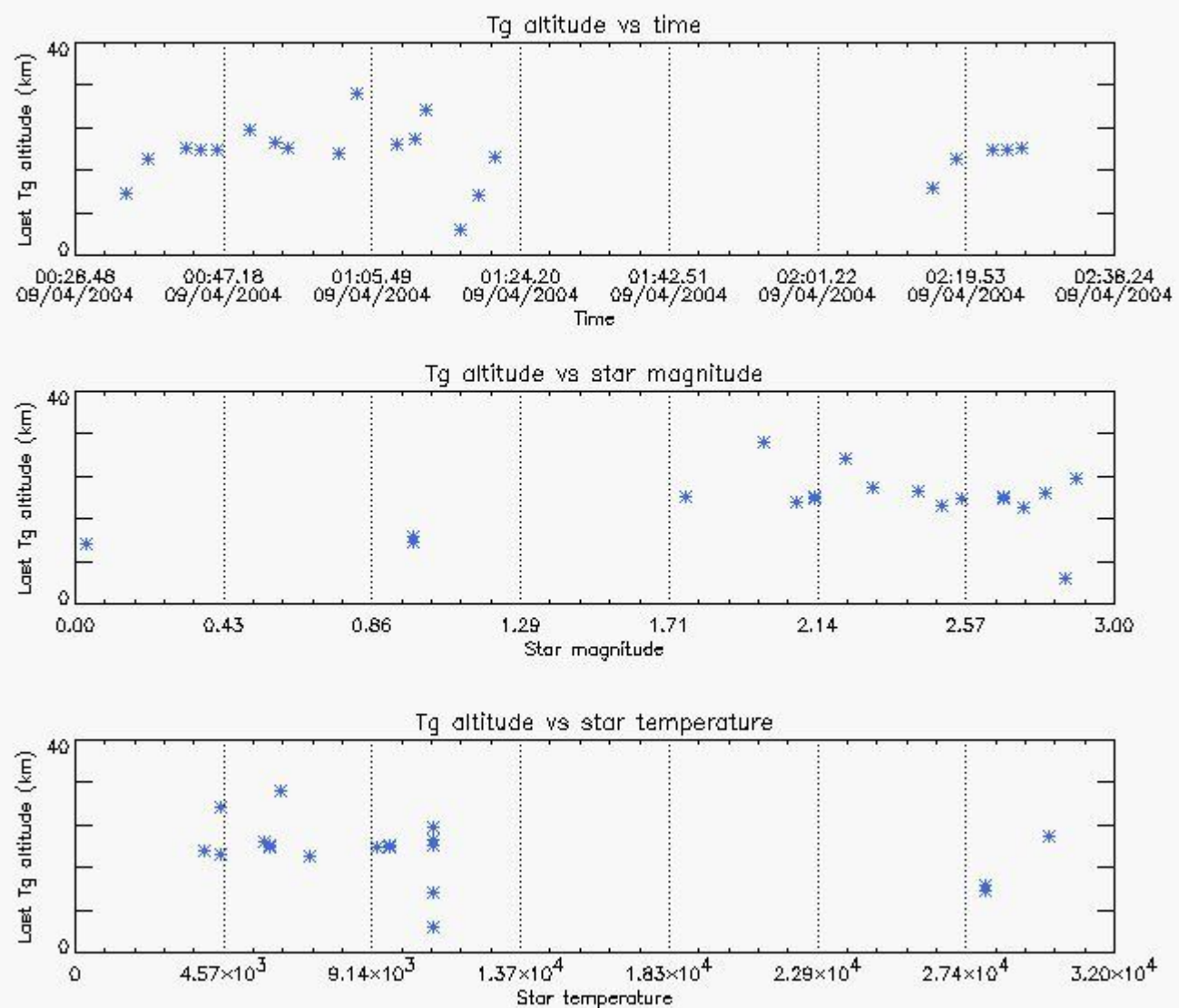
Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products



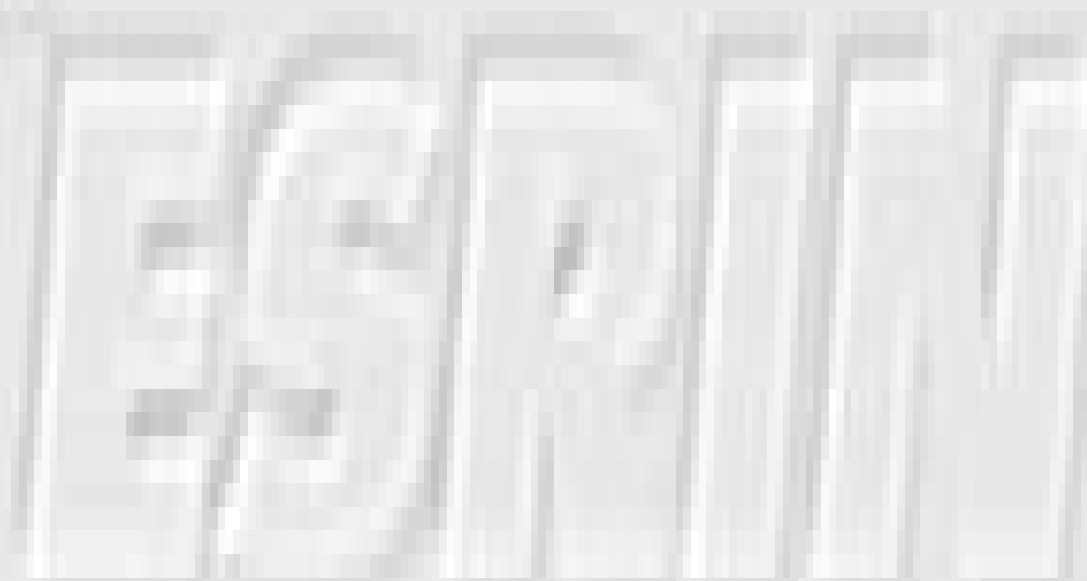
Tangent altitude at which the star is lost



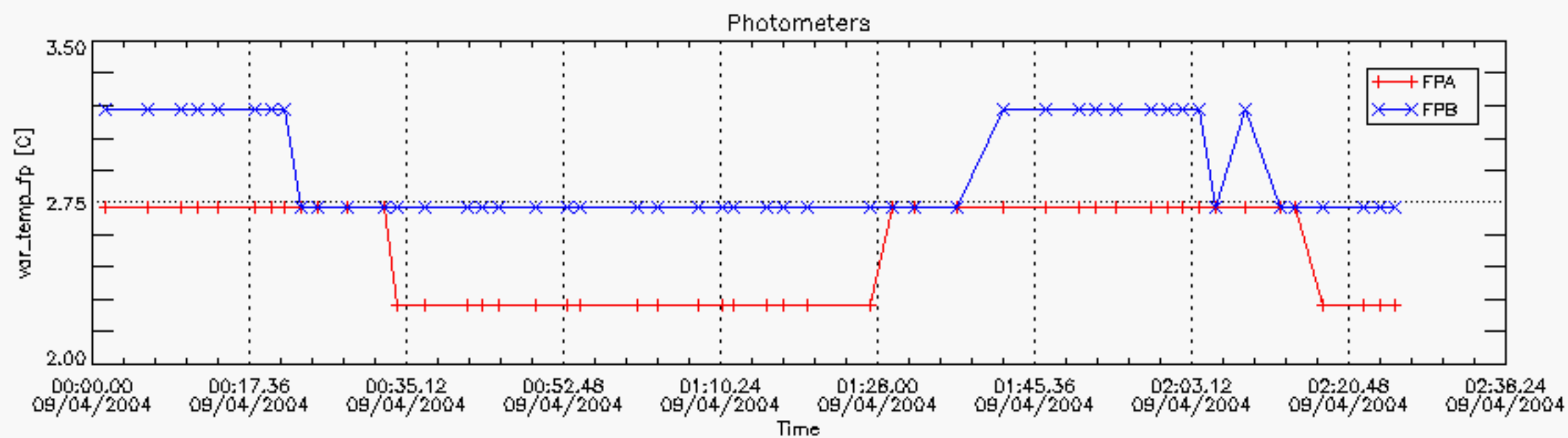
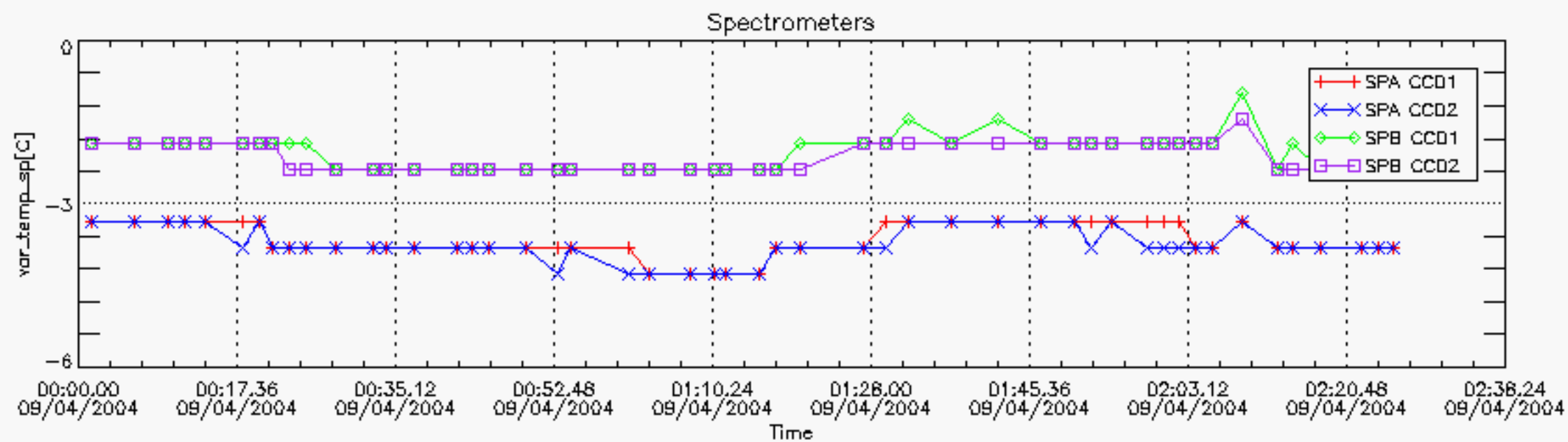
7. Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

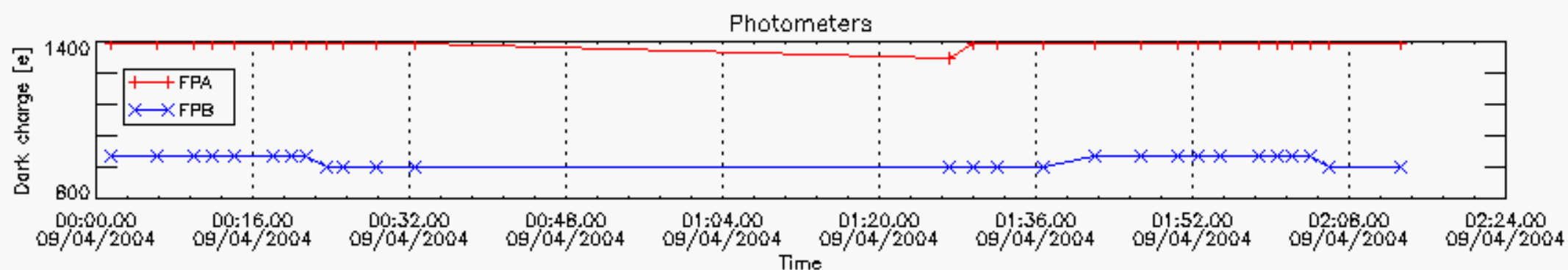
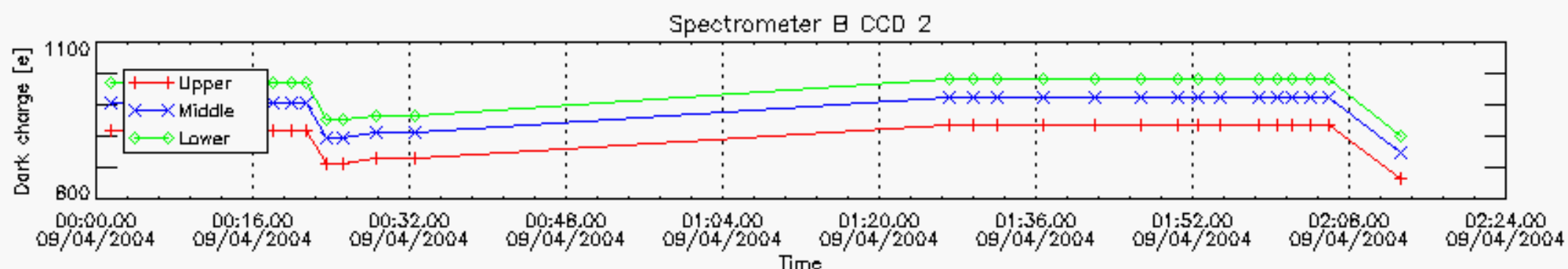
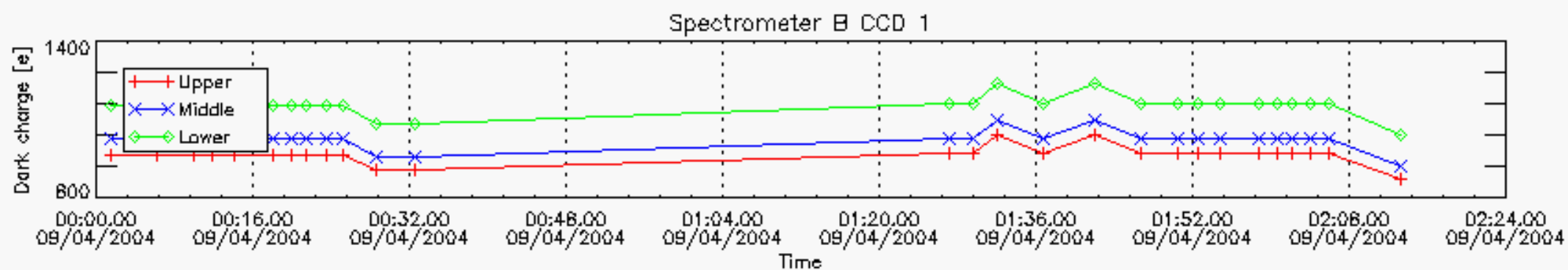
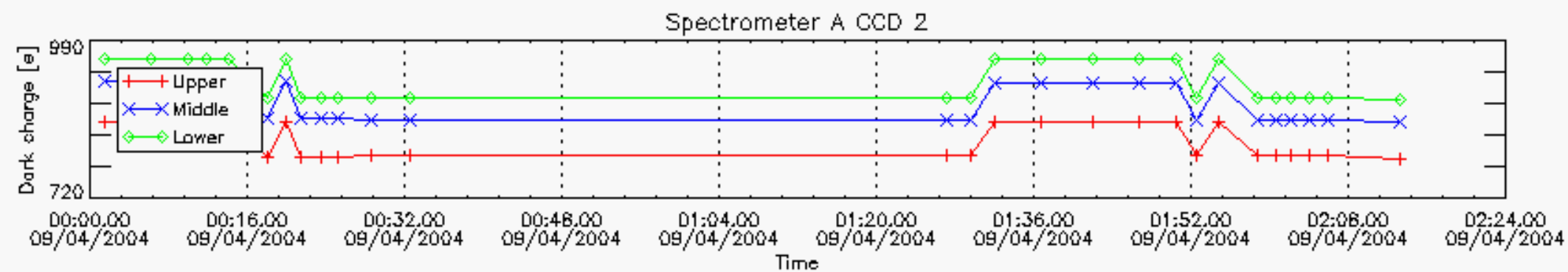
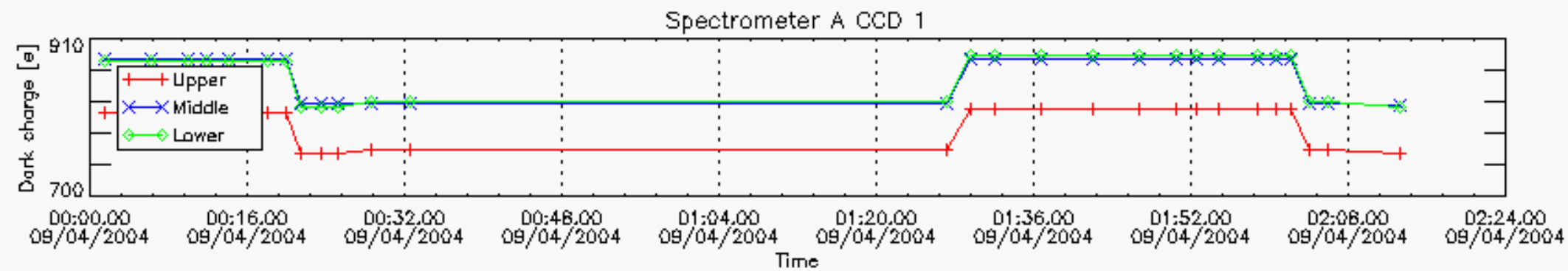
The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere. Statistics above 105 km are computed for every occultation, giving four values per occultation: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

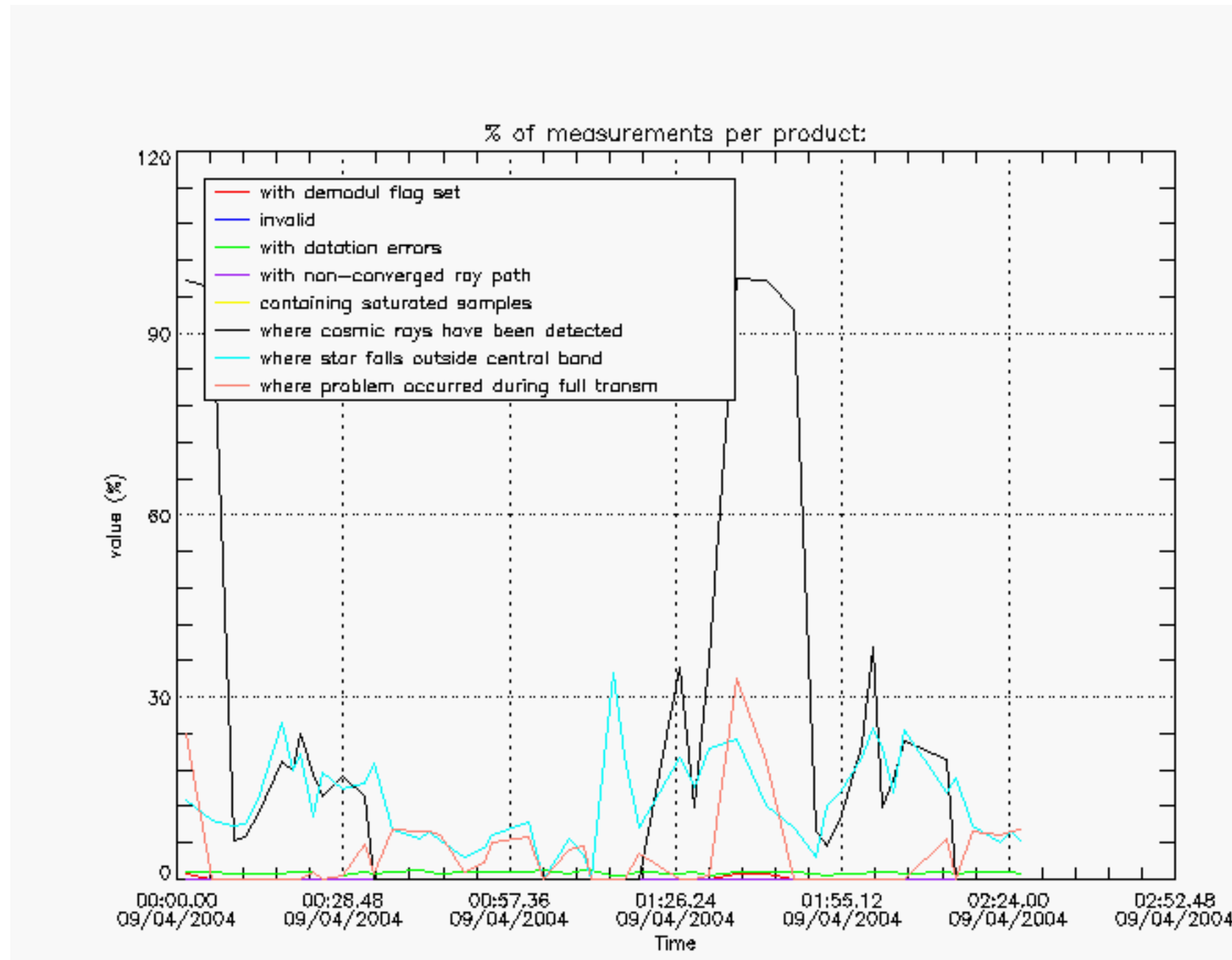
| Statistics | SATU X (D) | SATU Y (D) | SATU X (B) | SATU Y (B) |
|-----------------|------------|------------|------------|------------|
| Mean: | 1461.8 | 1447.2 | 1461.9 | 1448.0 |
| St. deviation: | 4.6751 | 6.8288 | 7.5746 | 9.7313 |
| Maximum: | 1495.0 | 1492.0 | 1512.0 | 1506.0 |
| Minimum: | 1434.0 | 1411.0 | 1438.0 | 1419.0 |
| Number of data: | 37600. | 37600. | 25650. | 25650. |



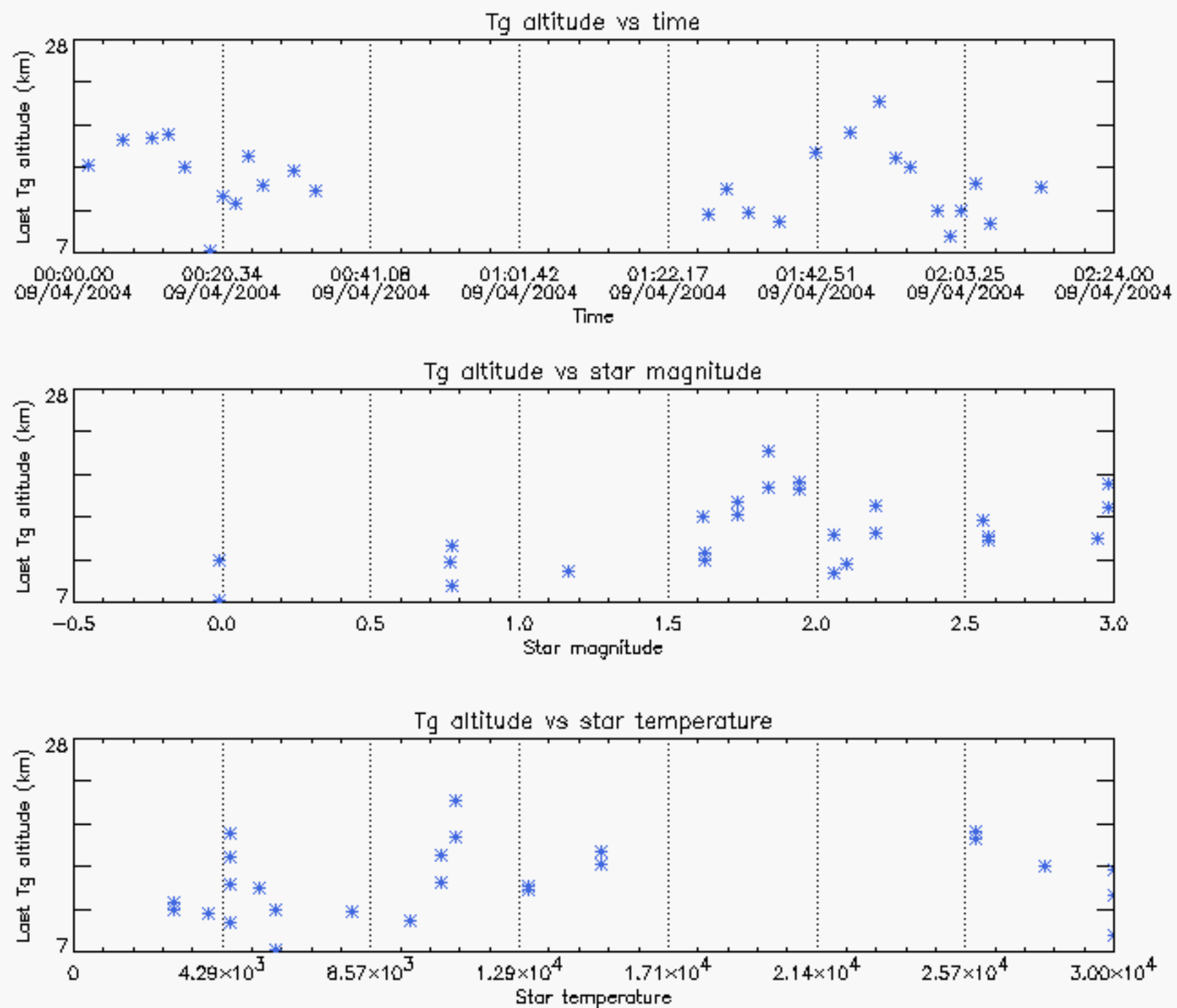




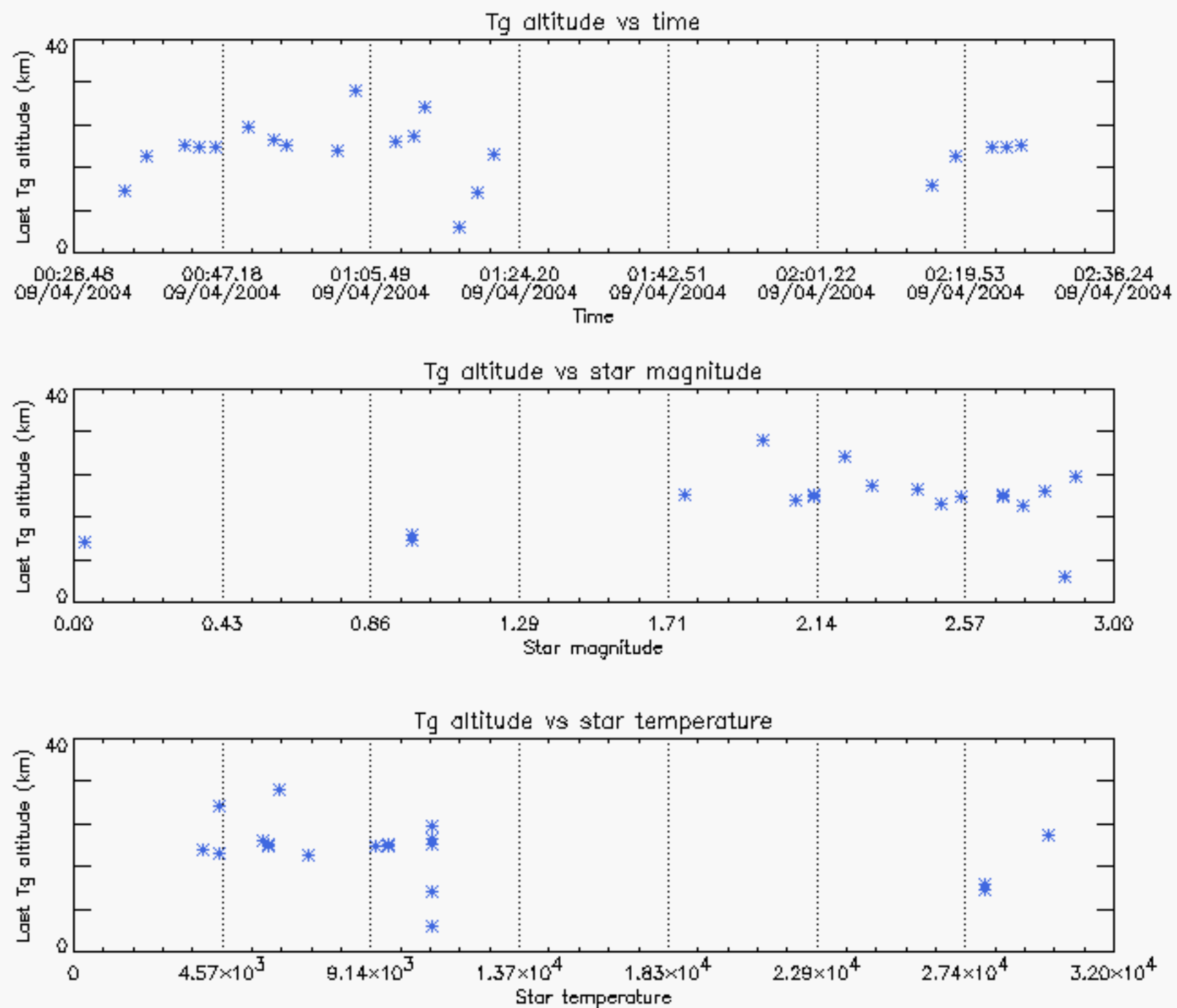




Tangent altitude at which the star is lost



Tangent altitude at which the star is lost



/data4_2/GOMOS/level0/GOM_NL__0PNPDE20040401_012141_000060872025_00332_10907_0118.N1

| | | | | | | | | | | | | | | | | |
|-----|----------|-------------|-----------|--------|---|--------|------|---------|-----|---|--------|--------|------|------|----|-------|
| 1; | -4605.9; | 01-APR-2004 | 01:21:41; | Dark | ; | 50.5; | 169; | 46Gam | Hya | ; | 2.99; | 4700; | occ; | 101; | 0; | 10907 |
| 2; | -4448.9; | 01-APR-2004 | 01:24:18; | Dark | ; | 48.0; | 163; | 7Del | Crv | ; | 2.94; | 11000; | occ; | 96; | 0; | 10907 |
| 3; | -4349.5; | 01-APR-2004 | 01:25:57; | Dark | ; | 63.5; | 15; | 67Alp | Vir | ; | 0.98; | 28000; | occ; | 127; | 0; | 10907 |
| 4; | -4154.5; | 01-APR-2004 | 01:29:12; | Bright | ; | 45.5; | 121; | 29Gam | Vir | ; | 2.74; | 7200; | occ; | 91; | 0; | 10907 |
| 5; | -3877.5; | 01-APR-2004 | 01:33:49; | Bright | ; | 40.5; | 62; | 94Bet | Leo | ; | 2.14; | 9700; | occ; | 81; | 0; | 10907 |
| 6; | -3781.2; | 01-APR-2004 | 01:35:26; | Bright | ; | 38.5; | 96; | 68Del | Leo | ; | 2.56; | 9300; | occ; | 77; | 0; | 10907 |
| 7; | -3678.3; | 01-APR-2004 | 01:37:09; | Bright | ; | 38.0; | 166; | 17Eps | Leo | ; | 2.98; | 6000; | occ; | 76; | 0; | 10907 |
| 8; | -3559.4; | 01-APR-2004 | 01:39:08; | Bright | ; | 67.5; | 111; | 8Eta | Boo | ; | 2.68; | 6000; | occ; | 135; | 0; | 10907 |
| 9; | -3371.6; | 01-APR-2004 | 01:42:15; | Bright | ; | 37.0; | 174; | 52Psi | UMa | ; | 3.00; | 4400; | occ; | 74; | 0; | 10907 |
| 10; | -3190.2; | 01-APR-2004 | 01:45:17; | Bright | ; | 37.5; | 87; | 64Gam | UMa | ; | 2.43; | 11000; | occ; | 75; | 0; | 10907 |
| 11; | -3080.2; | 01-APR-2004 | 01:47:07; | Bright | ; | 36.0; | 36; | 50Alp | UMa | ; | 1.80; | 6300; | occ; | 72; | 0; | 10907 |
| 12; | -2704.1; | 01-APR-2004 | 01:53:23; | Bright | ; | 45.0; | 60; | 7Bet | UMi | ; | 2.08; | 3950; | occ; | 90; | 0; | 10907 |
| 13; | -2598.5; | 01-APR-2004 | 01:55:08; | Bright | ; | 36.5; | 49; | 1Alp | UMi | ; | 1.99; | 6300; | occ; | 73; | 0; | 10907 |
| 14; | -2198.5; | 01-APR-2004 | 02:01:48; | Bright | ; | 36.5; | 76; | 27Gam | Cas | ; | 2.30; | 30000; | occ; | 73; | 0; | 10907 |
| 15; | -2119.4; | 01-APR-2004 | 02:03:08; | Bright | ; | 39.5; | 68; | 18Alp | Cas | ; | 2.22; | 4500; | occ; | 79; | 0; | 10907 |
| 16; | -1838.4; | 01-APR-2004 | 02:07:49; | Bright | ; | 46.5; | 144; | 18Del | Cyg | ; | 2.86; | 11000; | occ; | 93; | 0; | 10907 |
| 17; | -1724.3; | 01-APR-2004 | 02:09:43; | Bright | ; | 45.0; | 66; | 37Gam | Cyg | ; | 2.21; | 5900; | occ; | 90; | 0; | 10907 |
| 18; | -1602.9; | 01-APR-2004 | 02:11:44; | Bright | ; | 43.5; | 92; | 53Eps | Cyg | ; | 2.50; | 4500; | occ; | 87; | 0; | 10907 |
| 19; | -1211.6; | 01-APR-2004 | 02:18:15; | Dark | ; | 49.5; | 61; | 8Eps | Peg | ; | 2.10; | 3900; | occ; | 99; | 0; | 10907 |
| 20; | -992.6; | 01-APR-2004 | 02:21:54; | Dark | ; | 72.0; | 11; | 53Alp | Aql | ; | 0.76; | 8000; | occ; | 144; | 0; | 10907 |
| 21; | -779.1; | 01-APR-2004 | 02:25:28; | Dark | ; | 43.0; | 142; | 49Del | Cap | ; | 2.85; | 8900; | occ; | 86; | 0; | 10907 |
| 22; | -443.0; | 01-APR-2004 | 02:31:04; | Dark | ; | 38.5; | 172; | Gam | Gru | ; | 3.00; | 13100; | occ; | 77; | 0; | 10907 |
| 23; | -308.6; | 01-APR-2004 | 02:33:18; | Dark | ; | 59.5; | 0; | | | ; | 0.00; | 0; | occ; | 119; | 0; | 10907 |
| 24; | -46.9; | 01-APR-2004 | 02:37:40; | Dark | ; | 41.5; | 45; | Alp | Pav | ; | 1.94; | 26000; | occ; | 83; | 0; | 10907 |
| 25; | 69.2; | 01-APR-2004 | 02:39:36; | Dark | ; | 63.5; | 116; | 19Del | Sgr | ; | 2.70; | 4100; | occ; | 127; | 0; | 10908 |
| 26; | 300.8; | 01-APR-2004 | 02:43:28; | Dark | ; | 58.0; | 40; | The | Sco | ; | 1.86; | 7100; | occ; | 116; | 0; | 10908 |
| 27; | 404.0; | 01-APR-2004 | 02:45:11; | Dark | ; | 47.0; | 43; | Alp | TrA | ; | 1.91; | 4250; | occ; | 94; | 0; | 10908 |
| 28; | 518.1; | 01-APR-2004 | 02:47:05; | Dark | ; | 41.5; | 134; | Bet | TrA | ; | 2.81; | 6600; | occ; | 83; | 0; | 10908 |
| 29; | 675.2; | 01-APR-2004 | 02:49:42; | Dark | ; | 54.5; | 4; | Alp1Cen | | ; | -0.01; | 5800; | occ; | 109; | 0; | 10908 |
| 30; | 842.8; | 01-APR-2004 | 02:52:30; | Dark | ; | 121.0; | 16; | 21Alp | Sco | ; | 1.02; | 3000; | occ; | 242; | 0; | 10908 |
| 31; | 1101.7; | 01-APR-2004 | 02:56:49; | Dark | ; | 53.5; | 54; | 5The | Cen | ; | 2.06; | 4500; | occ; | 107; | 0; | 10908 |
| 32; | 1430.1; | 01-APR-2004 | 03:02:17; | Dark | ; | 52.0; | 169; | 46Gam | Hya | ; | 2.99; | 4700; | occ; | 104; | 0; | 10908 |

/data4_2/GOMOS/level0/GOM_NL__0PNPDK20040401_112932_000059422025_00338_10913_0229.N1

| | | | | | | | | | | | | | | | | |
|-----|----------|-------------|-----------|--------|---|--------|------|----------|-----|---|--------|--------|------|------|----|-------|
| 1; | -4350.3; | 01-APR-2004 | 11:29:32; | Dark | ; | 59.0; | 15; | 67Alp | Vir | ; | 0.98; | 28000; | occ; | 118; | 0; | 10913 |
| 2; | -4155.5; | 01-APR-2004 | 11:32:47; | Bright | ; | 45.5; | 121; | 29Gam | Vir | ; | 2.74; | 7200; | occ; | 91; | 0; | 10913 |
| 3; | -3877.5; | 01-APR-2004 | 11:37:25; | Bright | ; | 39.0; | 62; | 94Bet | Leo | ; | 2.14; | 9700; | occ; | 78; | 0; | 10913 |
| 4; | -3780.2; | 01-APR-2004 | 11:39:02; | Bright | ; | 38.0; | 96; | 68Del | Leo | ; | 2.56; | 9300; | occ; | 76; | 0; | 10913 |
| 5; | -3675.9; | 01-APR-2004 | 11:40:47; | Bright | ; | 38.5; | 166; | 17Eps | Leo | ; | 2.98; | 6000; | occ; | 77; | 0; | 10913 |
| 6; | -3567.0; | 01-APR-2004 | 11:42:35; | Bright | ; | 67.5; | 111; | 8Eta | Boo | ; | 2.68; | 6000; | occ; | 135; | 0; | 10913 |
| 7; | -3371.8; | 01-APR-2004 | 11:45:51; | Bright | ; | 37.5; | 174; | 52Psi | UMa | ; | 3.00; | 4400; | occ; | 75; | 0; | 10913 |
| 8; | -3191.5; | 01-APR-2004 | 11:48:51; | Bright | ; | 38.5; | 87; | 64Gam | UMa | ; | 2.43; | 11000; | occ; | 77; | 0; | 10913 |
| 9; | -3080.1; | 01-APR-2004 | 11:50:42; | Bright | ; | 39.5; | 36; | 50Alp | UMa | ; | 1.80; | 6300; | occ; | 79; | 0; | 10913 |
| 10; | -2703.5; | 01-APR-2004 | 11:56:59; | Bright | ; | 42.0; | 60; | 7Bet | UMi | ; | 2.08; | 3950; | occ; | 84; | 0; | 10913 |
| 11; | -2597.4; | 01-APR-2004 | 11:58:45; | Bright | ; | 36.0; | 49; | 1Alp | UMi | ; | 1.99; | 6300; | occ; | 72; | 0; | 10913 |
| 12; | -2197.2; | 01-APR-2004 | 12:05:25; | Bright | ; | 36.0; | 76; | 27Gam | Cas | ; | 2.30; | 30000; | occ; | 72; | 0; | 10913 |
| 13; | -2117.2; | 01-APR-2004 | 12:06:45; | Bright | ; | 35.0; | 68; | 18Alp | Cas | ; | 2.22; | 4500; | occ; | 70; | 0; | 10913 |
| 14; | -1839.6; | 01-APR-2004 | 12:11:23; | Bright | ; | 47.5; | 144; | 18Del | Cyg | ; | 2.86; | 11000; | occ; | 95; | 0; | 10913 |
| 15; | -1724.7; | 01-APR-2004 | 12:13:18; | Bright | ; | 46.5; | 66; | 37Gam | Cyg | ; | 2.21; | 5900; | occ; | 93; | 0; | 10913 |
| 16; | -1602.9; | 01-APR-2004 | 12:15:20; | Bright | ; | 44.5; | 92; | 53Eps | Cyg | ; | 2.50; | 4500; | occ; | 89; | 0; | 10913 |
| 17; | -1207.7; | 01-APR-2004 | 12:21:55; | Dark | ; | 49.5; | 61; | 8Eps | Peg | ; | 2.10; | 3900; | occ; | 99; | 0; | 10913 |
| 18; | -987.3; | 01-APR-2004 | 12:25:35; | Dark | ; | 65.5; | 11; | 53Alp | Aql | ; | 0.76; | 8000; | occ; | 131; | 0; | 10913 |
| 19; | -777.3; | 01-APR-2004 | 12:29:05; | Dark | ; | 41.5; | 142; | 49Del | Cap | ; | 2.85; | 8900; | occ; | 83; | 0; | 10913 |
| 20; | -441.2; | 01-APR-2004 | 12:34:41; | Dark | ; | 39.0; | 172; | Gam | Gru | ; | 3.00; | 13100; | occ; | 78; | 0; | 10913 |
| 21; | -296.3; | 01-APR-2004 | 12:37:06; | Dark | ; | 43.5; | 31; | Alp | Gru | ; | 1.73; | 15200; | occ; | 87; | 0; | 10913 |
| 22; | -166.1; | 01-APR-2004 | 12:39:16; | Dark | ; | 59.5; | 0; | | | ; | 0.00; | 0; | occ; | 119; | 0; | 10913 |
| 23; | -42.3; | 01-APR-2004 | 12:41:20; | Dark | ; | 45.0; | 45; | Alp | Pav | ; | 1.94; | 26000; | occ; | 90; | 0; | 10913 |
| 24; | 77.2; | 01-APR-2004 | 12:43:20; | Dark | ; | 61.5; | 116; | 19Del | Sgr | ; | 2.70; | 4100; | occ; | 123; | 0; | 10914 |
| 25; | 288.8; | 01-APR-2004 | 12:46:51; | Dark | ; | 56.0; | 85; | Kap | Sco | ; | 2.41; | 28000; | occ; | 112; | 0; | 10914 |
| 26; | 409.6; | 01-APR-2004 | 12:48:52; | Dark | ; | 39.0; | 43; | Alp | TrA | ; | 1.91; | 4250; | occ; | 78; | 0; | 10914 |
| 27; | 521.5; | 01-APR-2004 | 12:50:44; | Dark | ; | 40.0; | 134; | Bet | TrA | ; | 2.81; | 6600; | occ; | 80; | 0; | 10914 |
| 28; | 679.2; | 01-APR-2004 | 12:53:22; | Dark | ; | 55.0; | 4; | Alp1Cen | | ; | -0.01; | 5800; | occ; | 110; | 0; | 10914 |
| 29; | 813.2; | 01-APR-2004 | 12:55:36; | Dark | ; | 46.0; | 12; | Alp1Cru | | ; | 0.77; | 30000; | occ; | 92; | 0; | 10914 |
| 30; | 899.4; | 01-APR-2004 | 12:57:02; | Dark | ; | 46.0; | 26; | Gam | Cru | ; | 1.62; | 2900; | occ; | 92; | 0; | 10914 |
| 31; | 1017.2; | 01-APR-2004 | 12:59:00; | Dark | ; | 42.0; | 64; | Gam | Cen | ; | 2.20; | 10600; | occ; | 84; | 0; | 10914 |
| 32; | 1104.9; | 01-APR-2004 | 13:00:27; | Dark | ; | 56.0; | 54; | 5The | Cen | ; | 2.06; | 4500; | occ; | 112; | 0; | 10914 |
| 33; | 1255.2; | 01-APR-2004 | 13:02:58; | Dark | ; | 149.5; | 97; | 8Bet1Sco | | ; | 2.56; | 30000; | occ; | 299; | 0; | 10914 |
| 34; | 1578.4; | 01-APR-2004 | 13:08:21; | Dark | ; | 14.0; | 100; | 4Gam | Crv | ; | 2.58; | 13100; | occ; | 28; | 0; | 10914 |

/data4_2/GOMOS/level0/GOM_NL_0PNPDK20040401_130821_000056162025_00339_10914_0230.N1

| | | | | | | | | | | | | |
|-----|----------|-------------|-----------|---------|-------|------|-------------|--------|------------|------|----|-------|
| 1; | -4457.4; | 01-APR-2004 | 13:08:21; | Dark ; | 43.5; | 100; | 4Gam Crv ; | 2.58; | 13100;occ; | 87; | 0; | 10914 |
| 2; | -4350.3; | 01-APR-2004 | 13:10:08; | Dark ; | 68.0; | 15; | 67Alp Vir ; | 0.98; | 28000;occ; | 136; | 0; | 10914 |
| 3; | -4155.5; | 01-APR-2004 | 13:13:23; | Bright; | 45.5; | 121; | 29Gam Vir ; | 2.74; | 7200;occ; | 91; | 0; | 10914 |
| 4; | -3877.4; | 01-APR-2004 | 13:18:01; | Bright; | 39.5; | 62; | 94Bet Leo ; | 2.14; | 9700;occ; | 79; | 0; | 10914 |
| 5; | -3780.3; | 01-APR-2004 | 13:19:38; | Bright; | 38.0; | 96; | 68Del Leo ; | 2.56; | 9300;occ; | 76; | 0; | 10914 |
| 6; | -3675.7; | 01-APR-2004 | 13:21:23; | Bright; | 39.0; | 166; | 17Eps Leo ; | 2.98; | 6000;occ; | 78; | 0; | 10914 |
| 7; | -3568.6; | 01-APR-2004 | 13:23:10; | Bright; | 63.5; | 111; | 8Eta Boo ; | 2.68; | 6000;occ; | 127; | 0; | 10914 |
| 8; | -3371.9; | 01-APR-2004 | 13:26:26; | Bright; | 38.5; | 174; | 52Psi UMa ; | 3.00; | 4400;occ; | 77; | 0; | 10914 |
| 9; | -3191.9; | 01-APR-2004 | 13:29:26; | Bright; | 40.0; | 87; | 64Gam UMa ; | 2.43; | 11000;occ; | 80; | 0; | 10914 |
| 10; | -3080.2; | 01-APR-2004 | 13:31:18; | Bright; | 39.0; | 36; | 50Alp UMa ; | 1.80; | 6300;occ; | 78; | 0; | 10914 |
| 11; | -2704.1; | 01-APR-2004 | 13:37:34; | Bright; | 41.5; | 60; | 7Bet UMi ; | 2.08; | 3950;occ; | 83; | 0; | 10914 |
| 12; | -2597.1; | 01-APR-2004 | 13:39:21; | Bright; | 37.5; | 49; | 1Alp UMi ; | 1.99; | 6300;occ; | 75; | 0; | 10914 |
| 13; | -2196.8; | 01-APR-2004 | 13:46:02; | Bright; | 35.0; | 76; | 27Gam Cas ; | 2.30; | 30000;occ; | 70; | 0; | 10914 |
| 14; | -2116.5; | 01-APR-2004 | 13:47:22; | Bright; | 35.0; | 68; | 18Alp Cas ; | 2.22; | 4500;occ; | 70; | 0; | 10914 |
| 15; | -1840.0; | 01-APR-2004 | 13:51:58; | Bright; | 47.5; | 144; | 18Del Cyg ; | 2.86; | 11000;occ; | 95; | 0; | 10914 |
| 16; | -1724.5; | 01-APR-2004 | 13:53:54; | Bright; | 46.0; | 66; | 37Gam Cyg ; | 2.21; | 5900;occ; | 92; | 0; | 10914 |
| 17; | -1602.8; | 01-APR-2004 | 13:55:56; | Bright; | 47.0; | 92; | 53Eps Cyg ; | 2.50; | 4500;occ; | 94; | 0; | 10914 |
| 18; | -1207.2; | 01-APR-2004 | 14:02:31; | Dark ; | 48.5; | 61; | 8Eps Peg ; | 2.10; | 3900;occ; | 97; | 0; | 10914 |
| 19; | -986.9; | 01-APR-2004 | 14:06:11; | Dark ; | 63.0; | 11; | 53Alp Aql ; | 0.76; | 8000;occ; | 126; | 0; | 10914 |
| 20; | -776.5; | 01-APR-2004 | 14:09:42; | Dark ; | 43.5; | 142; | 49Del Cap ; | 2.85; | 8900;occ; | 87; | 0; | 10914 |
| 21; | -440.8; | 01-APR-2004 | 14:15:18; | Dark ; | 40.0; | 172; | Gam Gru ; | 3.00; | 13100;occ; | 80; | 0; | 10914 |
| 22; | -296.1; | 01-APR-2004 | 14:17:42; | Dark ; | 42.0; | 31; | Alp Gru ; | 1.73; | 15200;occ; | 84; | 0; | 10914 |
| 23; | -165.8; | 01-APR-2004 | 14:19:53; | Dark ; | 59.5; | 0; | ; | 0.00; | 0;occ; | 119; | 0; | 10914 |
| 24; | -41.7; | 01-APR-2004 | 14:21:57; | Dark ; | 39.5; | 45; | Alp Pav ; | 1.94; | 26000;occ; | 79; | 0; | 10914 |
| 25; | 78.9; | 01-APR-2004 | 14:23:57; | Dark ; | 67.5; | 116; | 19Del Sgr ; | 2.70; | 4100;occ; | 135; | 0; | 10915 |
| 26; | 290.1; | 01-APR-2004 | 14:27:28; | Dark ; | 53.5; | 85; | Kap Sco ; | 2.41; | 28000;occ; | 107; | 0; | 10915 |
| 27; | 410.0; | 01-APR-2004 | 14:29:28; | Dark ; | 41.0; | 43; | Alp TrA ; | 1.91; | 4250;occ; | 82; | 0; | 10915 |
| 28; | 522.1; | 01-APR-2004 | 14:31:20; | Dark ; | 40.0; | 134; | Bet TrA ; | 2.81; | 6600;occ; | 80; | 0; | 10915 |
| 29; | 679.0; | 01-APR-2004 | 14:33:57; | Dark ; | 49.5; | 4; | Alp1Cen ; | -0.01; | 5800;occ; | 99; | 0; | 10915 |
| 30; | 813.4; | 01-APR-2004 | 14:36:12; | Dark ; | 39.0; | 12; | Alp1Cru ; | 0.77; | 30000;occ; | 78; | 0; | 10915 |
| 31; | 899.7; | 01-APR-2004 | 14:37:38; | Dark ; | 46.0; | 26; | Gam Cru ; | 1.62; | 2900;occ; | 92; | 0; | 10915 |
| 32; | 1017.6; | 01-APR-2004 | 14:39:36; | Dark ; | 44.5; | 64; | Gam Cen ; | 2.20; | 10600;occ; | 89; | 0; | 10915 |
| 33; | 1105.7; | 01-APR-2004 | 14:41:04; | Dark ; | 54.0; | 54; | 5The Cen ; | 2.06; | 4500;occ; | 108; | 0; | 10915 |

/data4_2/GOMOS/level0/GOM_NL_0PNPDE20040401_030456_000060442025_00333_10908_0119.N1

| | | | | | | | | | | | | |
|-----|----------|-------------|-----------|---------|--------|------|-------------|--------|------------|------|----|-------|
| 1; | -4446.6; | 01-APR-2004 | 03:04:56; | Dark ; | 45.0; | 163; | 7Del Crv ; | 2.94; | 11000;occ; | 90; | 0; | 10908 |
| 2; | -4350.2; | 01-APR-2004 | 03:06:33; | Dark ; | 66.5; | 15; | 67Alp Vir ; | 0.98; | 28000;occ; | 133; | 0; | 10908 |
| 3; | -4155.4; | 01-APR-2004 | 03:09:48; | Bright; | 45.5; | 121; | 29Gam Vir ; | 2.74; | 7200;occ; | 91; | 0; | 10908 |
| 4; | -3877.7; | 01-APR-2004 | 03:14:25; | Bright; | 40.5; | 62; | 94Bet Leo ; | 2.14; | 9700;occ; | 81; | 0; | 10908 |
| 5; | -3781.3; | 01-APR-2004 | 03:16:02; | Bright; | 39.0; | 96; | 68Del Leo ; | 2.56; | 9300;occ; | 78; | 0; | 10908 |
| 6; | -3677.6; | 01-APR-2004 | 03:17:45; | Bright; | 37.5; | 166; | 17Eps Leo ; | 2.98; | 6000;occ; | 75; | 0; | 10908 |
| 7; | -3561.1; | 01-APR-2004 | 03:19:42; | Bright; | 67.5; | 111; | 8Eta Boo ; | 2.68; | 6000;occ; | 135; | 0; | 10908 |
| 8; | -3371.1; | 01-APR-2004 | 03:22:52; | Bright; | 37.0; | 174; | 52Psi UMa ; | 3.00; | 4400;occ; | 74; | 0; | 10908 |
| 9; | -3190.5; | 01-APR-2004 | 03:25:52; | Bright; | 39.5; | 87; | 64Gam UMa ; | 2.43; | 11000;occ; | 79; | 0; | 10908 |
| 10; | -3081.0; | 01-APR-2004 | 03:27:42; | Bright; | 37.5; | 36; | 50Alp UMa ; | 1.80; | 6300;occ; | 75; | 0; | 10908 |
| 11; | -2702.2; | 01-APR-2004 | 03:34:01; | Bright; | 41.5; | 60; | 7Bet UMi ; | 2.08; | 3950;occ; | 83; | 0; | 10908 |
| 12; | -2597.8; | 01-APR-2004 | 03:35:45; | Bright; | 38.5; | 49; | 1Alp UMi ; | 1.99; | 6300;occ; | 77; | 0; | 10908 |
| 13; | -2198.5; | 01-APR-2004 | 03:42:24; | Bright; | 36.0; | 76; | 27Gam Cas ; | 2.30; | 30000;occ; | 72; | 0; | 10908 |
| 14; | -2118.5; | 01-APR-2004 | 03:43:44; | Bright; | 36.0; | 68; | 18Alp Cas ; | 2.22; | 4500;occ; | 72; | 0; | 10908 |
| 15; | -1838.8; | 01-APR-2004 | 03:48:24; | Bright; | 47.0; | 144; | 18Del Cyg ; | 2.86; | 11000;occ; | 94; | 0; | 10908 |
| 16; | -1724.7; | 01-APR-2004 | 03:50:18; | Bright; | 46.0; | 66; | 37Gam Cyg ; | 2.21; | 5900;occ; | 92; | 0; | 10908 |
| 17; | -1602.9; | 01-APR-2004 | 03:52:20; | Bright; | 41.5; | 92; | 53Eps Cyg ; | 2.50; | 4500;occ; | 83; | 0; | 10908 |
| 18; | -1209.0; | 01-APR-2004 | 03:58:54; | Dark ; | 49.0; | 61; | 8Eps Peg ; | 2.10; | 3900;occ; | 98; | 0; | 10908 |
| 19; | -991.8; | 01-APR-2004 | 04:02:31; | Dark ; | 67.5; | 11; | 53Alp Aql ; | 0.76; | 8000;occ; | 135; | 0; | 10908 |
| 20; | -779.3; | 01-APR-2004 | 04:06:04; | Dark ; | 42.0; | 142; | 49Del Cap ; | 2.85; | 8900;occ; | 84; | 0; | 10908 |
| 21; | -442.8; | 01-APR-2004 | 04:11:40; | Dark ; | 41.0; | 172; | Gam Gru ; | 3.00; | 13100;occ; | 82; | 0; | 10908 |
| 22; | -307.8; | 01-APR-2004 | 04:13:55; | Dark ; | 59.5; | 0; | ; | 0.00; | 0;occ; | 119; | 0; | 10908 |
| 23; | -46.5; | 01-APR-2004 | 04:18:16; | Dark ; | 42.5; | 45; | Alp Pav ; | 1.94; | 26000;occ; | 85; | 0; | 10908 |
| 24; | 70.2; | 01-APR-2004 | 04:20:13; | Dark ; | 65.0; | 116; | 19Del Sgr ; | 2.70; | 4100;occ; | 130; | 0; | 10909 |
| 25; | 302.0; | 01-APR-2004 | 04:24:05; | Dark ; | 53.5; | 40; | The Sco ; | 1.86; | 7100;occ; | 107; | 0; | 10909 |
| 26; | 406.8; | 01-APR-2004 | 04:25:50; | Dark ; | 45.0; | 43; | Alp TrA ; | 1.91; | 4250;occ; | 90; | 0; | 10909 |
| 27; | 518.4; | 01-APR-2004 | 04:27:41; | Dark ; | 42.0; | 134; | Bet TrA ; | 2.81; | 6600;occ; | 84; | 0; | 10909 |
| 28; | 676.7; | 01-APR-2004 | 04:30:20; | Dark ; | 46.5; | 4; | Alp1Cen ; | -0.01; | 5800;occ; | 93; | 0; | 10909 |
| 29; | 844.1; | 01-APR-2004 | 04:33:07; | Dark ; | 108.5; | 16; | 21Alp Sco ; | 1.02; | 3000;occ; | 217; | 0; | 10909 |
| 30; | 1102.1; | 01-APR-2004 | 04:37:25; | Dark ; | 54.5; | 54; | 5The Cen ; | 2.06; | 4500;occ; | 109; | 0; | 10909 |
| 31; | 1430.3; | 01-APR-2004 | 04:42:53; | Dark ; | 50.5; | 169; | 46Gam Hya ; | 2.99; | 4700;occ; | 101; | 0; | 10909 |
| 32; | 1589.0; | 01-APR-2004 | 04:45:32; | Dark ; | 9.5; | 163; | 7Del Crv ; | 2.94; | 11000;occ; | 19; | 0; | 10909 |

/data4_2/GOMOS/level0/GOM_NL_0PNPDE20040401_044532_000060582025_00334_10909_0120.N1

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 25; 286.9; 01-APR-2004 09:25:38; Dark ; 55.0; 85; Kap Sco ; 2.41; 28000;occ; 110; 0;10912
 26; 408.4; 01-APR-2004 09:27:39; Dark ; 40.0; 43; Alp TrA ; 1.91; 4250;occ; 80; 0;10912
 27; 520.4; 01-APR-2004 09:29:31; Dark ; 40.0; 134; Bet TrA ; 2.81; 6600;occ; 80; 0;10912
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| 12; | -2596.1; | 08-APR-2004 | 01:35:02; | Bright; | ; | 36.0; | 49; | 1Alp | UMi | ; | 1.99; | 6300; | occ; | 72; | 0; | 11007 |
| 13; | -2311.7; | 08-APR-2004 | 01:39:46; | Bright; | ; | 62.0; | 130; | 23Bet | Dra | ; | 2.80; | 5800; | occ; | 124; | 0; | 11007 |
| 14; | -2171.3; | 08-APR-2004 | 01:42:07; | Bright; | ; | 36.0; | 76; | 27Gam | Cas | ; | 2.30; | 30000; | occ; | 72; | 0; | 11007 |
| 15; | -2092.9; | 08-APR-2004 | 01:43:25; | Bright; | ; | 35.5; | 68; | 18Alp | Cas | ; | 2.22; | 4500; | occ; | 71; | 0; | 11007 |
| 16; | -1858.4; | 08-APR-2004 | 01:47:20; | Bright; | ; | 51.0; | 144; | 18Del | Cyg | ; | 2.86; | 11000; | occ; | 102; | 0; | 11007 |
| 17; | -1749.9; | 08-APR-2004 | 01:49:08; | Bright; | ; | 95.5; | 5; | 3Alp | Lyr | ; | 0.03; | 11000; | occ; | 191; | 0; | 11007 |
| 18; | -1591.9; | 08-APR-2004 | 01:51:46; | Bright; | ; | 49.0; | 92; | 53Eps | Cyg | ; | 2.50; | 4500; | occ; | 98; | 0; | 11007 |
| 19; | -1179.2; | 08-APR-2004 | 01:58:39; | Dark | ; | 50.0; | 61; | 8Eps | Peg | ; | 2.10; | 3900; | occ; | 100; | 0; | 11007 |
| 20; | -1029.9; | 08-APR-2004 | 02:01:08; | Dark | ; | 45.5; | 162; | 34Alp | Aqr | ; | 2.94; | 5350; | occ; | 91; | 0; | 11007 |
| 21; | -893.0; | 08-APR-2004 | 02:03:25; | Dark | ; | 80.5; | 11; | 53Alp | Aql | ; | 0.76; | 8000; | occ; | 161; | 0; | 11007 |
| 22; | -741.4; | 08-APR-2004 | 02:05:57; | Dark | ; | 42.0; | 142; | 49Del | Cap | ; | 2.85; | 8900; | occ; | 84; | 0; | 11007 |
| 23; | -593.1; | 08-APR-2004 | 02:08:25; | Dark | ; | 45.5; | 18; | 24Alp | PsA | ; | 1.17; | 9700; | occ; | 91; | 0; | 11007 |
| 24; | -413.6; | 08-APR-2004 | 02:11:24; | Dark | ; | 40.0; | 172; | Gam | Gru | ; | 3.00; | 13100; | occ; | 80; | 0; | 11007 |
| 25; | -277.7; | 08-APR-2004 | 02:13:40; | Dark | ; | 38.0; | 31; | Alp | Gru | ; | 1.73; | 15200; | occ; | 76; | 0; | 11007 |
| 26; | -125.3; | 08-APR-2004 | 02:16:13; | Dark | ; | 59.5; | 0; | | | ; | 0.00; | 0; | occ; | 119; | 0; | 11007 |
| 27; | -1.9; | 08-APR-2004 | 02:18:16; | Dark | ; | 40.5; | 45; | Alp | Pav | ; | 1.94; | 26000; | occ; | 81; | 0; | 11007 |
| 28; | 213.3; | 08-APR-2004 | 02:21:51; | Dark | ; | 61.0; | 38; | 20Eps | Sgr | ; | 1.84; | 11000; | occ; | 122; | 0; | 11008 |
| 29; | 325.3; | 08-APR-2004 | 02:23:43; | Dark | ; | 71.0; | 167; | 10Gam2 | Sgr | ; | 2.98; | 4500; | occ; | 142; | 0; | 11008 |
| 30; | 464.7; | 08-APR-2004 | 02:26:03; | Dark | ; | 62.5; | 25; | 35Lam | Sco | ; | 1.62; | 28000; | occ; | 125; | 0; | 11008 |
| 31; | 719.2; | 08-APR-2004 | 02:30:17; | Dark | ; | 55.0; | 4; | Alp1Cen | | ; | -0.01; | 5800; | occ; | 110; | 0; | 11008 |
| 32; | 831.8; | 08-APR-2004 | 02:32:10; | Dark | ; | 49.0; | 12; | Alp1Cru | | ; | 0.77; | 30000; | occ; | 98; | 0; | 11008 |
| 33; | 993.2; | 08-APR-2004 | 02:34:51; | Dark | ; | 106.5; | 16; | 21Alp | Sco | ; | 1.02; | 3000; | occ; | 213; | 0; | 11008 |
| 34; | 1238.8; | 08-APR-2004 | 02:38:57; | Dark | ; | 101.5; | 80; | 7Del | Sco | ; | 2.32; | 30000; | occ; | 203; | 0; | 11008 |
| 35; | 1451.7; | 08-APR-2004 | 02:42:30; | Dark | ; | 47.5; | 169; | 46Gam | Hya | ; | 2.99; | 4700; | occ; | 95; | 0; | 11008 |
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| 2; | -4445.3; | 08-APR-2004 | 02:44:49; | Dark | ; | 44.0; | 100; | 4Gam | Crv | ; | 2.58; | 13100; | occ; | 88; | 0; | 11008 |
| 3; | -4349.3; | 08-APR-2004 | 02:46:25; | Bright; | ; | 51.0; | 15; | 67Alp | Vir | ; | 0.98; | 28000; | occ; | 102; | 0; | 11008 |
| 4; | -4162.0; | 08-APR-2004 | 02:49:32; | Bright; | ; | 41.5; | 121; | 29Gam | Vir | ; | 2.74; | 7200; | occ; | 83; | 0; | 11008 |
| 5; | -3882.6; | 08-APR-2004 | 02:54:11; | Bright; | ; | 39.0; | 62; | 94Bet | Leo | ; | 2.14; | 9700; | occ; | 78; | 0; | 11008 |
| 6; | -3776.7; | 08-APR-2004 | 02:55:57; | Bright; | ; | 38.5; | 96; | 68Del | Leo | ; | 2.56; | 9300; | occ; | 77; | 0; | 11008 |
| 7; | -3662.5; | 08-APR-2004 | 02:57:51; | Bright; | ; | 54.0; | 111; | 8Eta | Boo | ; | 2.68; | 6000; | occ; | 108; | 0; | 11008 |
| 8; | -3372.6; | 08-APR-2004 | 03:02:41; | Bright; | ; | 37.0; | 174; | 52Psi | UMa | ; | 3.00; | 4400; | occ; | 74; | 0; | 11008 |
| 9; | -3208.8; | 08-APR-2004 | 03:05:25; | Bright; | ; | 37.0; | 87; | 64Gam | UMa | ; | 2.43; | 11000; | occ; | 74; | 0; | 11008 |
| 10; | -3119.6; | 08-APR-2004 | 03:06:54; | Bright; | ; | 38.5; | 32; | 77Eps | UMa | ; | 1.76; | 11000; | occ; | 77; | 0; | 11008 |
| 11; | -2733.7; | 08-APR-2004 | 03:13:20; | Bright; | ; | 42.5; | 60; | 7Bet | UMi | ; | 2.08; | 3950; | occ; | 85; | 0; | 11008 |
| 12; | -2596.2; | 08-APR-2004 | 03:15:38; | Bright; | ; | 37.0; | 49; | 1Alp | UMi | ; | 1.99; | 6300; | occ; | 74; | 0; | 11008 |
| 13; | -2312.8; | 08-APR-2004 | 03:20:21; | Bright; | ; | 62.5; | 130; | 23Bet | Dra | ; | 2.80; | 5800; | occ; | 125; | 0; | 11008 |
| 14; | -2171.2; | 08-APR-2004 | 03:22:43; | Bright; | ; | 37.0; | 76; | 27Gam | Cas | ; | 2.30; | 30000; | occ; | 74; | 0; | 11008 |
| 15; | -2092.1; | 08-APR-2004 | 03:24:02; | Bright; | ; | 37.0; | 68; | 18Alp | Cas | ; | 2.22; | 4500; | occ; | 74; | 0; | 11008 |
| 16; | -1858.2; | 08-APR-2004 | 03:27:56; | Bright; | ; | 51.5; | 144; | 18Del | Cyg | ; | 2.86; | 11000; | occ; | 103; | 0; | 11008 |
| 17; | -1750.5; | 08-APR-2004 | 03:29:43; | Bright; | ; | 93.0; | 5; | 3Alp | Lyr | ; | 0.03; | 11000; | occ; | 186; | 0; | 11008 |
| 18; | -1591.3; | 08-APR-2004 | 03:32:23; | Bright; | ; | 47.0; | 92; | 53Eps | Cyg | ; | 2.50; | 4500; | occ; | 94; | 0; | 11008 |
| 19; | -1178.0; | 08-APR-2004 | 03:39:16; | Dark | ; | 50.0; | 61; | 8Eps | Peg | ; | 2.10; | 3900; | occ; | 100; | 0; | 11008 |
| 20; | -1030.1; | 08-APR-2004 | 03:41:44; | Dark | ; | 47.5; | 162; | 34Alp | Aqr | ; | 2.94; | 5350; | occ; | 95; | 0; | 11008 |
| 21; | -891.4; | 08-APR-2004 | 03:44:03; | Dark | ; | 87.0; | 11; | 53Alp | Aql | ; | 0.76; | 8000; | occ; | 174; | 0; | 11008 |
| 22; | -740.9; | 08-APR-2004 | 03:46:33; | Dark | ; | 41.0; | 142; | 49Del | Cap | ; | 2.85; | 8900; | occ; | 82; | 0; | 11008 |
| 23; | -593.0; | 08-APR-2004 | 03:49:01; | Dark | ; | 41.5; | 18; | 24Alp | PsA | ; | 1.17; | 9700; | occ; | 83; | 0; | 11008 |
| 24; | -413.1; | 08-APR-2004 | 03:52:01; | Dark | ; | 41.5; | 172; | Gam | Gru | ; | 3.00; | 13100; | occ; | 83; | 0; | 11008 |
| 25; | -278.4; | 08-APR-2004 | 03:54:16; | Dark | ; | 43.5; | 31; | Alp | Gru | ; | 1.73; | 15200; | occ; | 87; | 0; | 11008 |
| 26; | -124.8; | 08-APR-2004 | 03:56:49; | Dark | ; | 59.5; | 0; | | | ; | 0.00; | 0; | occ; | 119; | 0; | 11008 |
| 27; | -1.4; | 08-APR-2004 | 03:58:53; | Dark | ; | 44.5; | 45; | Alp | Pav | ; | 1.94; | 26000; | occ; | 89; | 0; | 11008 |
| 28; | 214.5; | 08-APR-2004 | 04:02:29; | Dark | ; | 59.5; | 38; | 20Eps | Sgr | ; | 1.84; | 11000; | occ; | 119; | 0; | 11009 |
| 29; | 327.3; | 08-APR-2004 | 04:04:21; | Dark | ; | 76.5; | 167; | 10Gam2 | Sgr | ; | 2.98; | 4500; | occ; | 153; | 0; | 11009 |
| 30; | 465.7; | 08-APR-2004 | 04:06:40; | Dark | ; | 62.0; | 25; | 35Lam | Sco | ; | 1.62; | 28000; | occ; | 124; | 0; | 11009 |
| 31; | 720.6; | 08-APR-2004 | 04:10:55; | Dark | ; | 45.0; | 4; | Alp1Cen | | ; | -0.01; | 5800; | occ; | 90; | 0; | 11009 |
| 32; | 833.0; | 08-APR-2004 | 04:12:47; | Dark | ; | 42.5; | 12; | Alp1Cru | | ; | 0.77; | 30000; | occ; | 85; | 0; | 11009 |
| 33; | 994.5; | 08-APR-2004 | 04:15:28; | Dark | ; | 111.0; | 16; | 21Alp | Sco | ; | 1.02; | 3000; | occ; | 222; | 0; | 11009 |


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34; 1239.2; 08-APR-2004 04:19:33; Dark ; 99.0; 80; 7Del Sco ; 2.32; 30000;occ; 198; 0;11009
35; 1452.4; 08-APR-2004 04:23:06; Dark ; 47.0; 169; 46Gam Hya ; 2.99; 4700;occ; 94; 0;11009
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3;-4161.7; 08-APR-2004 04:30:08; Bright; 42.0; 121; 29Gam Vir ; 2.74; 7200;occ; 84; 0;11009
4;-3882.1; 08-APR-2004 04:34:48; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;11009
5;-3775.6; 08-APR-2004 04:36:34; Bright; 37.0; 96; 68Del Leo ; 2.56; 9300;occ; 74; 0;11009
6;-3663.9; 08-APR-2004 04:38:26; Bright; 55.0; 111; 8Eta Boo ; 2.68; 6000;occ; 110; 0;11009
7;-3372.4; 08-APR-2004 04:43:18; Bright; 36.0; 174; 52Psi UMa ; 3.00; 4400;occ; 72; 0;11009
8;-3208.6; 08-APR-2004 04:46:01; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;11009
9;-3119.6; 08-APR-2004 04:47:30; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;11009
10;-2733.8; 08-APR-2004 04:53:56; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;11009
11;-2596.2; 08-APR-2004 04:56:14; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;11009
12;-2313.9; 08-APR-2004 05:00:56; Bright; 60.0; 130; 23Bet Dra ; 2.80; 5800;occ; 120; 0;11009
13;-2171.8; 08-APR-2004 05:03:18; Bright; 38.0; 76; 27Gam Cas ; 2.30; 30000;occ; 76; 0;11009
14;-2092.5; 08-APR-2004 05:04:38; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;11009
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16;-1750.9; 08-APR-2004 05:10:19; Bright; 91.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 182; 0;11009
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18;-1177.8; 08-APR-2004 05:19:52; Dark ; 49.5; 61; 8Eps Peg ; 2.10; 3900;occ; 99; 0;11009
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22; -593.2; 08-APR-2004 05:29:37; Dark ; 45.0; 18; 24Alp PsA ; 1.17; 9700;occ; 90; 0;11009
23; -412.4; 08-APR-2004 05:32:38; Dark ; 38.5; 172; Gam Gru ; 3.00; 13100;occ; 77; 0;11009
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27; 215.6; 08-APR-2004 05:43:06; Dark ; 61.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 123; 0;11010
28; 328.4; 08-APR-2004 05:44:58; Dark ; 72.5; 167; 10Gam2Sgr ; 2.98; 4500;occ; 145; 0;11010
29; 467.1; 08-APR-2004 05:47:17; Dark ; 62.0; 25; 35Lam Sco ; 1.62; 28000;occ; 124; 0;11010
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31; 833.1; 08-APR-2004 05:53:23; Dark ; 43.0; 12; Alp1Cru ; 0.77; 30000;occ; 86; 0;11010
32; 924.3; 08-APR-2004 05:54:54; Dark ; 44.5; 26; Gam Cru ; 1.62; 2900;occ; 89; 0;11010
33; 1045.0; 08-APR-2004 05:56:55; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;11010
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11;-3416.3; 08-APR-2004 19:47:57; Bright; 41.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 82; 0;11018
12;-3209.5; 08-APR-2004 19:51:24; Bright; 39.0; 87; 64Gam UMa ; 2.43; 11000;occ; 78; 0;11018
13;-3122.5; 08-APR-2004 19:52:51; Bright; 39.5; 32; 77Eps UMa ; 1.76; 11000;occ; 79; 0;11018
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26; -592.0; 08-APR-2004 20:35:01; Dark ; 44.5; 18; 24Alp PsA ; 1.17; 9700;occ; 89; 0;11018
27; -408.9; 08-APR-2004 20:38:04; Dark ; 39.0; 172; Gam Gru ; 3.00; 13100;occ; 78; 0;11018

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30; 3.8; 08-APR-2004 20:44:57; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;11019
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32; 344.6; 08-APR-2004 20:50:38; Dark ; 69.0; 167; 10Gam2Sgr ; 2.98; 4500;occ; 138; 0;11019
33; 478.9; 08-APR-2004 20:52:52; Dark ; 62.5; 25; 35Lam Sco ; 1.62; 28000;occ; 125; 0;11019
34; 724.7; 08-APR-2004 20:56:58; Dark ; 51.5; 4; Alp1Cen ;-0.01; 5800;occ; 103; 0;11019
35; 831.9; 08-APR-2004 20:58:45; Dark ; 42.0; 12; Alp1Cru ; 0.77; 30000;occ; 84; 0;11019
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27; 308.7; 19-APR-2004 06:39:15; Dark ; 80.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 161; 0;11168
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| 14; | -1845.7; | 19-APR-2004 | 07:43:57; | Bright; | 137.0; | 5; | 3Alp Lyr | ; | 0.03; | 11000;occ; | 274; | 0; | 11168 | |
| 15; | -1577.2; | 19-APR-2004 | 07:48:25; | Dark | ; | 62.0; | 92; | 53Eps Cyg | ; | 2.50; | 4500;occ; | 124; | 0; | 11168 |
| 16; | -1307.6; | 19-APR-2004 | 07:52:55; | Dark | ; | 44.0; | 90; | 54Alp Peg | ; | 2.49; | 11000;occ; | 88; | 0; | 11168 |
| 17; | -1110.6; | 19-APR-2004 | 07:56:12; | Dark | ; | 59.0; | 61; | 8Eps Peg | ; | 2.10; | 3900;occ; | 118; | 0; | 11168 |
| 18; | -962.7; | 19-APR-2004 | 07:58:40; | Dark | ; | 48.0; | 162; | 34Alp Aqr | ; | 2.94; | 5350;occ; | 96; | 0; | 11168 |
| 19; | -792.2; | 19-APR-2004 | 08:01:30; | Dark | ; | 53.0; | 154; | 22Bet Aqr | ; | 2.90; | 5700;occ; | 106; | 0; | 11168 |
| 20; | -653.2; | 19-APR-2004 | 08:03:49; | Dark | ; | 45.5; | 142; | 49Del Cap | ; | 2.85; | 8900;occ; | 91; | 0; | 11168 |
| 21; | -559.0; | 19-APR-2004 | 08:05:24; | Dark | ; | 43.0; | 18; | 24Alp PsA | ; | 1.17; | 9700;occ; | 86; | 0; | 11168 |
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| 23; | -225.9; | 19-APR-2004 | 08:10:57; | Dark | ; | 41.0; | 31; | Alp Gru | ; | 1.73; | 15200;occ; | 82; | 0; | 11168 |
| 24; | -40.7; | 19-APR-2004 | 08:14:02; | Dark | ; | 39.5; | 148; | Alp Tuc | ; | 2.88; | 4100;occ; | 79; | 0; | 11168 |
| 25; | 81.0; | 19-APR-2004 | 08:16:04; | Dark | ; | 42.5; | 45; | Alp Pav | ; | 1.94; | 26000;occ; | 85; | 0; | 11169 |
| 26; | 310.4; | 19-APR-2004 | 08:19:53; | Dark | ; | 79.5; | 57; | 34Sig Sgr | ; | 2.07; | 26000;occ; | 159; | 0; | 11169 |
| 27; | 452.7; | 19-APR-2004 | 08:22:15; | Dark | ; | 71.0; | 38; | 20Eps Sgr | ; | 1.84; | 11000;occ; | 142; | 0; | 11169 |
| 28; | 588.9; | 19-APR-2004 | 08:24:32; | Dark | ; | 61.0; | 40; | The Sco | ; | 1.86; | 7100;occ; | 122; | 0; | 11169 |
| 29; | 781.6; | 19-APR-2004 | 08:27:44; | Dark | ; | 43.5; | 4; | Alp1Cen | ; | -0.01; | 5800;occ; | 87; | 0; | 11169 |
| 30; | 953.4; | 19-APR-2004 | 08:30:36; | Dark | ; | 45.0; | 26; | Gam Cru | ; | 1.62; | 2900;occ; | 90; | 0; | 11169 |
| 31; | 1071.6; | 19-APR-2004 | 08:32:34; | Dark | ; | 43.5; | 81; | Eta Cen | ; | 2.36; | 28000;occ; | 87; | 0; | 11169 |
| 32; | 1208.5; | 19-APR-2004 | 08:34:51; | Dark | ; | 50.0; | 54; | 5The Cen | ; | 2.06; | 4500;occ; | 100; | 0; | 11169 |
| 33; | 1337.5; | 19-APR-2004 | 08:37:00; | Dark | ; | 79.0; | 80; | 7Del Sco | ; | 2.32; | 30000;occ; | 158; | 0; | 11169 |
| 34; | 1507.2; | 19-APR-2004 | 08:39:50; | Dark | ; | 44.0; | 106; | 9Bet Crv | ; | 2.65; | 5600;occ; | 88; | 0; | 11169 |
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23;-29.6; 22-APR-2004 11:41:10; Dark ; 42.5; 148; Alp Tuc ; 2.88; 4100;occ; 85; 0;11213
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| 2; | -4460.1; | 22-APR-2004 | 13:48:31; | Bright; | ; | 53.0; | 122; | 9Alp2Lib | ; | 2.75; | 9700; | occ; | 106; | 0; | 11215 | |
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| 7; | -3344.0; | 22-APR-2004 | 14:07:07; | Bright; | ; | 39.0; | 174; | 52Psi | UMa | ; | 3.00; | 4400; | occ; | 78; | 0; | 11215 |
| 8; | -3216.7; | 22-APR-2004 | 14:09:15; | Bright; | ; | 37.0; | 87; | 64Gam | UMa | ; | 2.43; | 11000; | occ; | 74; | 0; | 11215 |
| 9; | -3064.1; | 22-APR-2004 | 14:11:47; | Bright; | ; | 36.0; | 36; | 50Alp | UMa | ; | 1.80; | 6300; | occ; | 72; | 0; | 11215 |
| 10; | -2791.5; | 22-APR-2004 | 14:16:20; | Bright; | ; | 41.5; | 60; | 7Bet | UMi | ; | 2.08; | 3950; | occ; | 83; | 0; | 11215 |
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| 12; | -2414.3; | 22-APR-2004 | 14:22:37; | Bright; | ; | 66.0; | 69; | 33Gam | Dra | ; | 2.23; | 3800; | occ; | 132; | 0; | 11215 |
| 13; | -2178.6; | 22-APR-2004 | 14:26:33; | Bright; | ; | 42.0; | 89; | 5Alp | Cep | ; | 2.45; | 8000; | occ; | 84; | 0; | 11215 |
| 14; | -2081.4; | 22-APR-2004 | 14:28:10; | Bright; | ; | 41.0; | 74; | 11Bet | Cas | ; | 2.27; | 6600; | occ; | 82; | 0; | 11215 |
| 15; | -1892.1; | 22-APR-2004 | 14:31:19; | Bright; | ; | 153.5; | 5; | 3Alp | Lyr | ; | 0.03; | 11000; | occ; | 307; | 0; | 11215 |
| 16; | -1573.3; | 22-APR-2004 | 14:36:38; | Dark | ; | 71.5; | 92; | 53Eps | Cyg | ; | 2.50; | 4500; | occ; | 143; | 0; | 11215 |
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| 19; | -937.3; | 22-APR-2004 | 14:47:14; | Dark | ; | 52.0; | 162; | 34Alp | Aqr | ; | 2.94; | 5350; | occ; | 104; | 0; | 11215 |
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| 24; | -29.1; | 22-APR-2004 | 15:02:22; | Dark | ; | 39.0; | 148; | Alp | Tuc | ; | 2.88; | 4100; | occ; | 78; | 0; | 11215 |
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| 27; | 532.4; | 22-APR-2004 | 15:11:44; | Dark | ; | 44.0; | 43; | Alp | TrA | ; | 1.91; | 4250; | occ; | 88; | 0; | 11216 |
| 28; | 636.1; | 22-APR-2004 | 15:13:27; | Dark | ; | 64.0; | 40; | The | Sco | ; | 1.86; | 7100; | occ; | 128; | 0; | 11216 |
| 29; | 797.3; | 22-APR-2004 | 15:16:09; | Dark | ; | 50.5; | 4; | Alp1Cen | ; | -0.01; | 5800; | occ; | 101; | 0; | 11216 | |
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| 31; | 995.5; | 22-APR-2004 | 15:19:27; | Dark | ; | 40.5; | 78; | Alp | Lup | ; | 2.30; | 28000; | occ; | 81; | 0; | 11216 |
| 32; | 1085.5; | 22-APR-2004 | 15:20:57; | Dark | ; | 43.0; | 64; | Gam | Cen | ; | 2.20; | 10600; | occ; | 86; | 0; | 11216 |
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| 9; | -3348.9; | 22-APR-2004 | 00:42:15; | Bright; | ; | 40.0; | 174; | 52Psi | UMa | ; | 3.00; | 4400; | occ; | 80; | 0; | 11207 |
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| 12; | -2790.5; | 22-APR-2004 | 00:51:33; | Bright; | ; | 40.0; | 60; | 7Bet | UMi | ; | 2.08; | 3950; | occ; | 80; | 0; | 11207 |
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| 14; | -2405.3; | 22-APR-2004 | 00:57:59; | Bright; | ; | 66.0; | 69; | 33Gam | Dra | ; | 2.23; | 3800; | occ; | 132; | 0; | 11207 |
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| 16; | -2082.2; | 22-APR-2004 | 01:03:22; | Bright; | ; | 36.0; | 74; | 11Bet | Cas | ; | 2.27; | 6600; | occ; | 72; | 0; | 11207 |
| 17; | -1883.0; | 22-APR-2004 | 01:06:41; | Bright; | ; | 138.5; | 5; | 3Alp | Lyr | ; | 0.03; | 11000; | occ; | 277; | 0; | 11207 |
| 18; | -1573.6; | 22-APR-2004 | 01:11:50; | Dark | ; | 61.0; | 92; | 53Eps | Cyg | ; | 2.50; | 4500; | occ; | 122; | 0; | 11207 |
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| 20; | -1089.6; | 22-APR-2004 | 01:19:54; | Dark | ; | 58.0; | 61; | 8Eps | Peg | ; | 2.10; | 3900; | occ; | 116; | 0; | 11207 |
| 21; | -943.3; | 22-APR-2004 | 01:22:21; | Dark | ; | 51.0; | 162; | 34Alp | Aqr | ; | 2.94; | 5350; | occ; | 102; | 0; | 11207 |
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| 29; | 511.9; | 22-APR-2004 | 01:46:36; | Dark | ; | 72.0; | 38; | 20Eps | Sgr | ; | 1.84; | 11000; | occ; | 144; | 0; | 11208 |
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| 32; | 907.1; | 22-APR-2004 | 01:53:11; | Dark | ; | 43.5; | 20; | Bet | Cru | ; | 1.25; | 30000; | occ; | 87; | 0; | 11208 |
| 33; | 991.7; | 22-APR-2004 | 01:54:36; | Dark | ; | 43.0; | 78; | Alp | Lup | ; | 2.30; | 28000; | occ; | 86; | 0; | 11208 |
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