

# GOMOS Daily Report 06-APR-2010

## Level 0 and Level 1 products

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

| Item                      | Value              |
|---------------------------|--------------------|
| Time of report generation | 09APR2010 04:50:44 |
| Data source version       | GOMOS/5.00L04      |
| Start time of products    | 06APR2010 00:04:40 |
| Stop time of products     | 06APR2010 23:53:42 |
| Store outputs in DB       | Yes                |
| Nb of level 1b prods      | 126                |
| Nb of prods with errors   | 1                  |

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

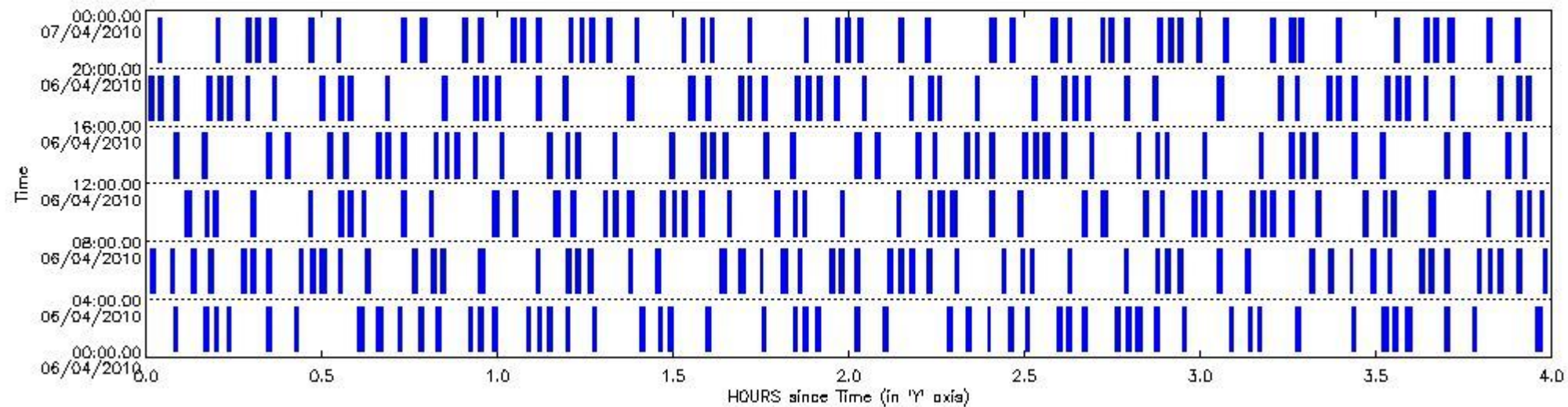
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 2.2 Plot of mission plan versus Level 0 production arrived in PCF during reporting period

Red segments are missing products.

Blue segments are available products.

Green segments are calibration measurements (not available products to users).



### 2.3 Summary of missing occultations (red segments in previous plot)

No missing products.

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

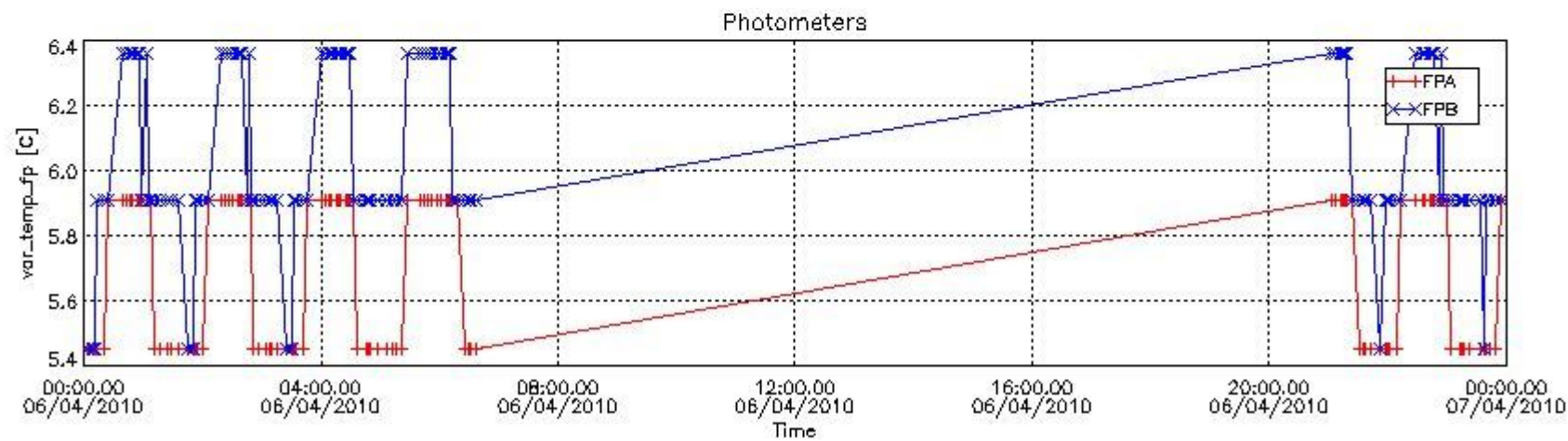
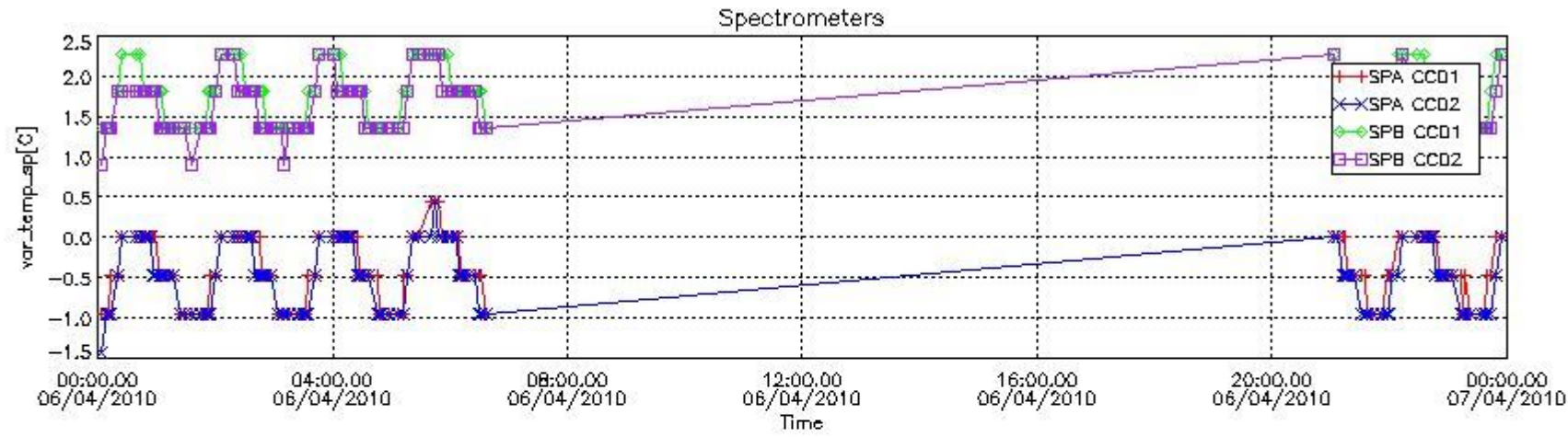
| Nr | Filename   | UTC Start time       | Limb           | Duration | Star Id | Star Name | Star Mag | Star Temp | Nb Meas | Orbit | Prod. error |
|----|--|----------------------|----------------|----------|---------|-----------|----------|-----------|---------|-------|-------------|
| 1  | GOM_TRA_1PNPDE20100406_000440_000000402088_00202_42340_2022.N1 | 06-APR-2010 00:04:40 | Bright         | 40.000   | 89      | 5Alp Cep  | 2.4510   | 8000.0    | 80      | 42340 | No          |
| 2  | GOM_TRA_1PNPDE20100406_000953_000000462088_00202_42340_2023.N1 | 06-APR-2010 00:09:53 | Bright         | 45.500   | 19      | 50Alp Cyg | 1.2460   | 10500.    | 91      | 42340 | No          |
| 3  | GOM_TRA_1PNPDE20100406_001134_000000472088_00202_42340_2024.N1 | 06-APR-2010 00:11:34 | Bright         | 46.500   | 66      | 37Gam Cyg | 2.2080   | 5900.0    | 93      | 42340 | No          |
| 4  | GOM_TRA_1PNPDE20100406_001344_000000462088_00202_42340_2025.N1 | 06-APR-2010 00:13:44 | Bright         | 45.500   | 92      | 53Eps Cyg | 2.5000   | 4500.0    | 91      | 42340 | No          |
| 5  | GOM_TRA_1PNPDE20100406_002030_000000472088_00202_42340_2026.N1 | 06-APR-2010 00:20:30 | Twilight_stray | 47.000   | 61      | 8Eps Peg  | 2.1000   | 3900.0    | 94      | 42340 | No          |
| 6  | GOM_TRA_1PNPDE20100406_002513_000000422088_00202_42340_2027.N1 | 06-APR-2010 00:25:13 | Dark           | 42.000   | 154     | 22Bet Aqr | 2.8990   | 5700.0    | 84      | 42340 | No          |
| 7  | GOM_TRA_1PNPDE20100406_003922_000000542088_00202_42340_2029.N1 | 06-APR-2010 00:39:22 | Dark           | 54.000   | 103     | 38Zet Sgr | 2.6000   | 9700.0    | 108     | 42340 | No          |
| 8  | GOM_TRA_1PNPDE20100406_004300_000000322088_00203_42341_2030.N1 | 06-APR-2010 00:43:00 | Dark           | 32.000   | 38      | 20Eps Sgr | 1.8360   | 11000.    | 64      | 42341 | No          |
| 9  | GOM_TRA_1PNPDE20100406_004631_000000532088_00203_42341_2031.N1 | 06-APR-2010 00:46:31 | Dark           | 52.500   | 40      | The Sco   | 1.8590   | 7100.0    | 105     | 42341 | No          |
| 10 | GOM_TRA_1PNPDE20100406_004930_000000392088_00203_42341_2032.N1 | 06-APR-2010 00:49:30 | Dark           | 39.000   | 134     | Bet TrA   | 2.8100   | 6600.0    | 78      | 42341 | No          |
| 11 | GOM_TRA_1PNPDE20100406_005459_000000452088_00203_42341_2033.N1 | 06-APR-2010 00:54:59 | Straylight     | 44.500   | 78      | Alp Lup   | 2.3040   | 28000.    | 89      | 42341 | No          |
| 12 | GOM_TRA_1PNPDE20100406_005636_000000472088_00203_42341_2034.N1 | 06-APR-2010 00:56:36 | Straylight     | 47.000   | 81      | Eta Cen   | 2.3560   | 28000.    | 94      | 42341 | No          |

|    |  |                      |                |        |     |           |         |        |     |       |    |
|----|--|----------------------|----------------|--------|-----|-----------|---------|--------|-----|-------|----|
| 13 | GOM_TRA_1PNPDE20100406_005912_000000492088_00203_42341_2035.N1 | 06-APR-2010 00:59:12 | Straylight     | 49.000 | 54  | 5The Cen  | 2.0550  | 4500.0 | 98  | 42341 | No |
| 14 | GOM_TRA_1PNPDE20100406_010452_000000472088_00203_42341_2036.N1 | 06-APR-2010 01:04:52 | Tw_i_and_stray | 47.000 | 106 | 9Bet Crv  | 2.6480  | 5600.0 | 94  | 42341 | No |
| 15 | GOM_TRA_1PNPDE20100406_010646_000000432088_00203_42341_2037.N1 | 06-APR-2010 01:06:46 | Tw_i_and_stray | 43.000 | 100 | 4Gam Crv  | 2.5800  | 13100. | 86  | 42341 | No |
| 16 | GOM_TRA_1PNPDE20100406_010826_000000582088_00203_42341_2038.N1 | 06-APR-2010 01:08:26 | Bright         | 57.500 | 15  | 67Alp Vir | 0.97600 | 28000. | 115 | 42341 | No |
| 17 | GOM_TRA_1PNPDE20100406_011135_000000442088_00203_42341_2039.N1 | 06-APR-2010 01:11:35 | Bright         | 43.500 | 121 | 29Gam Vir | 2.7400  | 7200.0 | 87  | 42341 | No |
| 18 | GOM_TRA_1PNPDE20100406_011614_000000392088_00203_42341_2040.N1 | 06-APR-2010 01:16:14 | Bright         | 38.500 | 62  | 94Bet Leo | 2.1360  | 9700.0 | 77  | 42341 | No |
| 19 | GOM_TRA_1PNPDE20100406_012420_000000422088_00203_42341_2041.N1 | 06-APR-2010 01:24:20 | Bright         | 42.000 | 152 | 12Alp2CVn | 2.8900  | 11000. | 84  | 42341 | No |
| 20 | GOM_TRA_1PNPDE20100406_012733_000000372088_00203_42341_2042.N1 | 06-APR-2010 01:27:33 | Bright         | 36.500 | 87  | 64Gam UMa | 2.4330  | 11000. | 73  | 42341 | No |
| 21 | GOM_TRA_1PNPDE20100406_012909_000000382088_00203_42341_2043.N1 | 06-APR-2010 01:29:09 | Bright         | 37.500 | 32  | 77Eps UMa | 1.7630  | 11000. | 75  | 42341 | No |
| 22 | GOM_TRA_1PNPDE20100406_013534_000000422088_00203_42341_2044.N1 | 06-APR-2010 01:35:34 | Bright         | 42.000 | 60  | 7Bet UMi  | 2.0810  | 3950.0 | 84  | 42341 | No |
| 23 | GOM_TRA_1PNPDE20100406_014515_000000352088_00203_42341_2045.N1 | 06-APR-2010 01:45:15 | Bright         | 35.000 | 89  | 5Alp Cep  | 2.4510  | 8000.0 | 70  | 42341 | No |
| 24 | GOM_TRA_1PNPDE20100406_015029_000000422088_00203_42341_2046.N1 | 06-APR-2010 01:50:29 | Bright         | 41.500 | 19  | 50Alp Cyg | 1.2460  | 10500. | 83  | 42341 | No |
| 25 | GOM_TRA_1PNPDE20100406_015210_000000482088_00203_42341_2047.N1 | 06-APR-2010 01:52:10 | Bright         | 47.500 | 66  | 37Gam Cyg | 2.2080  | 5900.0 | 95  | 42341 | No |
| 26 | GOM_TRA_1PNPDE20100406_015420_000000472088_00203_42341_2048.N1 | 06-APR-2010 01:54:20 | Bright         | 47.000 | 92  | 53Eps Cyg | 2.5000  | 4500.0 | 94  | 42341 | No |
| 27 | GOM_TRA_1PNPDE20100406_020106_000000482088_00203_42341_2049.N1 | 06-APR-2010 02:01:06 | Tw_i_and_stray | 48.000 | 61  | 8Eps Peg  | 2.1000  | 3900.0 | 96  | 42341 | No |
| 28 | GOM_TRA_1PNPDE20100406_020549_000000452088_00203_42341_2048.N1 | 06-APR-2010 02:05:49 | Dark           | 45.000 | 154 | 22Bet Aqr | 2.8990  | 5700.0 | 90  | 42341 | No |
| 29 | GOM_TRA_1PNPDE20100406_021959_000000572088_00203_42341_2049.N1 | 06-APR-2010 02:19:59 | Dark           | 56.500 | 103 | 38Zet Sgr | 2.6000  | 9700.0 | 113 | 42341 | No |
| 30 | GOM_TRA_1PNPDE20100406_022337_000000282088_00204_42342_2050.N1 | 06-APR-2010 02:23:37 | Dark           | 28.000 | 38  | 20Eps Sgr | 1.8360  | 11000. | 56  | 42342 | No |
| 31 | GOM_TRA_1PNPDE20100406_022708_000000532088_00204_42342_2051.N1 | 06-APR-2010 02:27:08 | Dark           | 53.000 | 40  | The Sco   | 1.8590  | 7100.0 | 106 | 42342 | No |
| 32 | GOM_TRA_1PNPDE20100406_023006_000000412088_00204_42342_2052.N1 | 06-APR-2010 02:30:06 | Dark           | 40.500 | 134 | Bet TrA   | 2.8100  | 6600.0 | 81  | 42342 | No |
| 33 | GOM_TRA_1PNPDE20100406_023536_000000462088_00204_42342_2053.N1 | 06-APR-2010 02:35:36 | Straylight     | 45.500 | 78  | Alp Lup   | 2.3040  | 28000. | 91  | 42342 | No |
| 34 | GOM_TRA_1PNPDE20100406_023712_000000482088_00204_42342_2054.N1 | 06-APR-2010 02:37:12 | Straylight     | 48.000 | 81  | Eta Cen   | 2.3560  | 28000. | 96  | 42342 | No |
| 35 | GOM_TRA_1PNPDE20100406_023948_000000512088_00204_42342_2055.N1 | 06-APR-2010 02:39:48 | Straylight     | 50.500 | 54  | 5The Cen  | 2.0550  | 4500.0 | 101 | 42342 | No |
| 36 | GOM_TRA_1PNPDE20100406_024528_000000462088_00204_42342_2056.N1 | 06-APR-2010 02:45:28 | Tw_i_and_stray | 45.500 | 106 | 9Bet Crv  | 2.6480  | 5600.0 | 91  | 42342 | No |
| 37 | GOM_TRA_1PNPDE20100406_024722_000000422088_00204_42342_2057.N1 | 06-APR-2010 02:47:22 | Tw_i_and_stray | 42.000 | 100 | 4Gam Crv  | 2.5800  | 13100. | 84  | 42342 | No |
| 38 | GOM_TRA_1PNPDE20100406_024902_000000572088_00204_42342_2058.N1 | 06-APR-2010 02:49:02 | Bright         | 57.000 | 15  | 67Alp Vir | 0.97600 | 28000. | 114 | 42342 | No |
| 39 | GOM_TRA_1PNPDE20100406_025211_000000432088_00204_42342_2059.N1 | 06-APR-2010 02:52:11 | Bright         | 42.500 | 121 | 29Gam Vir | 2.7400  | 7200.0 | 85  | 42342 | No |
| 40 | GOM_TRA_1PNPDE20100406_025650_000000382088_00204_42342_2060.N1 | 06-APR-2010 02:56:50 | Bright         | 38.000 | 62  | 94Bet Leo | 2.1360  | 9700.0 | 76  | 42342 | No |
| 41 | GOM_TRA_1PNPDE20100406_030455_000000432088_00204_42342_2061.N1 | 06-APR-2010 03:04:55 | Bright         | 43.000 | 152 | 12Alp2CVn | 2.8900  | 11000. | 86  | 42342 | No |
| 42 | GOM_TRA_1PNPDE20100406_030808_000000362088_00204_42342_2062.N1 | 06-APR-2010 03:08:08 | Bright         | 35.500 | 87  | 64Gam UMa | 2.4330  | 11000. | 71  | 42342 | No |
| 43 | GOM_TRA_1PNPDE20100406_030945_000000412088_00204_42342_2063.N1 | 06-APR-2010 03:09:45 | Bright         | 40.500 | 32  | 77Eps UMa | 1.7630  | 11000. | 81  | 42342 | No |
| 44 | GOM_TRA_1PNPDE20100406_031609_000000572088_00204_42342_2064.N1 | 06-APR-2010 03:16:09 | Bright         | 56.500 | 60  | 7Bet UMi  | 2.0810  | 3950.0 | 113 | 42342 | No |
| 45 | GOM_TRA_1PNPDE20100406_032551_000000392088_00204_42342_2084.N1 | 06-APR-2010 03:25:51 | Bright         | 38.500 | 89  | 5Alp Cep  | 2.4510  | 8000.0 | 77  | 42342 | No |
| 46 | GOM_TRA_1PNPDE20100406_033105_000000612088_00204_42342_2085.N1 | 06-APR-2010 03:31:05 | Bright         | 61.000 | 19  | 50Alp Cyg | 1.2460  | 10500. | 122 | 42342 | No |
| 47 | GOM_TRA_1PNPDE20100406_033246_000000492088_00204_42342_2086.N1 | 06-APR-2010 03:32:46 | Bright         | 49.000 | 66  | 37Gam Cyg | 2.2080  | 5900.0 | 98  | 42342 | No |
| 48 | GOM_TRA_1PNPDE20100406_033456_000000622088_00204_42342_2087.N1 | 06-APR-2010 03:34:56 | Bright         | 62.000 | 92  | 53Eps Cyg | 2.5000  | 4500.0 | 124 | 42342 | No |
| 49 | GOM_TRA_1PNPDE20100406_034142_000000472088_00204_42342_2088.N1 | 06-APR-2010 03:41:42 | Tw_i_and_stray | 46.500 | 61  | 8Eps Peg  | 2.1000  | 3900.0 | 93  | 42342 | No |
| 50 | GOM_TRA_1PNPDE20100406_034625_000000462088_00204_42342_2089.N1 | 06-APR-2010 03:46:25 | Dark           | 46.000 | 154 | 22Bet Aqr | 2.8990  | 5700.0 | 92  | 42342 | No |
| 51 | GOM_TRA_1PNPDE20100406_040037_000000542088_00204_42342_2090.N1 | 06-APR-2010 04:00:37 | Dark           | 54.000 | 103 | 38Zet Sgr | 2.6000  | 9700.0 | 108 | 42342 | No |
| 52 | GOM_TRA_1PNPDE20100406_040414_000000282088_00205_42343_2091.N1 | 06-APR-2010 04:04:14 | Dark           | 28.000 | 38  | 20Eps Sgr | 1.8360  | 11000. | 56  | 42343 | No |
| 53 | GOM_TRA_1PNPDE20100406_040745_000000512088_00205_42343_2092.N1 | 06-APR-2010 04:07:45 | Dark           | 50.500 | 40  | The Sco   | 1.8590  | 7100.0 | 101 | 42343 | No |
| 54 | GOM_TRA_1PNPDE20100406_041043_000000392088_00205_42343_2093.N1 | 06-APR-2010 04:10:43 | Dark           | 39.000 | 134 | Bet TrA   | 2.8100  | 6600.0 | 78  | 42343 | No |
| 55 | GOM_TRA_1PNPDE20100406_041612_000000432088_00205_42343_2094.N1 | 06-APR-2010 04:16:12 | Straylight     | 43.000 | 78  | Alp Lup   | 2.3040  | 28000. | 86  | 42343 | No |
| 56 | GOM_TRA_1PNPDE20100406_041749_000000452088_00205_42343_2095.N1 | 06-APR-2010 04:17:49 | Straylight     | 45.000 | 81  | Eta Cen   | 2.3560  | 28000. | 90  | 42343 | No |
| 57 | GOM_TRA_1PNPDE20100406_042025_000000512088_00205_42343_2096.N1 | 06-APR-2010 04:20:25 | Straylight     | 51.000 | 54  | 5The Cen  | 2.0550  | 4500.0 | 102 | 42343 | No |
| 58 | GOM_TRA_1PNPDE20100406_042604_000000442088_00205_42343_2097.N1 | 06-APR-2010 04:26:04 | Tw_i_and_stray | 44.000 | 106 | 9Bet Crv  | 2.6480  | 5600.0 | 88  | 42343 | No |
| 59 | GOM_TRA_1PNPDE20100406_042759_000000432088_00205_42343_2098.N1 | 06-APR-2010 04:27:59 | Tw_i_and_stray | 43.000 | 100 | 4Gam Crv  | 2.5800  | 13100. | 86  | 42343 | No |
| 60 | GOM_TRA_1PNPDE20100406_042938_000000572088_00205_42343_2099.N1 | 06-APR-2010 04:29:38 | Bright         | 57.000 | 15  | 67Alp Vir | 0.97600 | 28000. | 114 | 42343 | No |
| 61 | GOM_TRA_1PNPDE20100406_043247_000000432088_00205_42343_2100.N1 | 06-APR-2010 04:32:47 | Bright         | 43.000 | 121 | 29Gam Vir | 2.7400  | 7200.0 | 86  | 42343 | No |
| 62 | GOM_TRA_1PNPDE20100406_043726_000000392088_00205_42343_2101.N1 | 06-APR-2010 04:37:26 | Bright         | 39.000 | 62  | 94Bet Leo | 2.1360  | 9700.0 | 78  | 42343 | No |
| 63 | GOM_TRA_1PNPDE20100406_044531_000000412088_00205_42343_2102.N1 | 06-APR-2010 04:45:31 | Bright         | 40.500 | 152 | 12Alp2CVn | 2.8900  | 11000. | 81  | 42343 | No |
| 64 | GOM_TRA_1PNPDE20100406_044844_000000382088_00205_42343_2103.N1 | 06-APR-2010 04:48:44 | Bright         | 37.500 | 87  | 64Gam UMa | 2.4330  | 11000. | 75  | 42343 | No |
| 65 | GOM_TRA_1PNPDE20100406_045021_000000422088_00205_42343_2104.N1 | 06-APR-2010 04:50:21 | Bright         | 41.500 | 32  | 77Eps UMa | 1.7630  | 11000. | 83  | 42343 | No |
| 66 | GOM_TRA_1PNPDE20100406_045645_000000572088_00205_42343_2105.N1 | 06-APR-2010 04:56:45 | Bright         | 56.500 | 60  | 7Bet UMi  | 2.0810  | 3950.0 | 113 | 42343 | No |
| 67 | GOM_TRA_1PNPDE20100406_050627_000000392088_00205_42343_2104.N1 | 06-APR-2010 05:06:27 | Bright         | 38.500 | 89  | 5Alp Cep  | 2.4510  | 8000.0 | 77  | 42343 | No |
| 68 | GOM_TRA_1PNPDE20100406_051141_000000422088_00205_42343_2105.N1 | 06-APR-2010 05:11:41 | Bright         | 41.500 | 19  | 50Alp Cyg | 1.2460  | 10500. | 83  | 42343 | No |
| 69 | GOM_TRA_1PNPDE20100406_051322_000000492088_00205_42343_2106.N1 | 06-APR-2010 05:13:22 | Bright         | 49.000 | 66  | 37Gam Cyg | 2.2080  | 5900.0 | 98  | 42343 | No |
| 70 | GOM_TRA_1PNPDE20100406_051532_000000482088_00205_42343_2107.N1 | 06-APR-2010 05:15:32 | Bright         | 48.000 | 92  | 53Eps Cyg | 2.5000  | 4500.0 | 96  | 42343 | No |
| 71 | GOM_TRA_1PNPDE20100406_052218_000000422088_00205_42343_2108.N1 | 06-APR-2010 05:22:18 | Tw_i_and_stray | 42.000 | 61  | 8Eps Peg  | 2.1000  | 3900.0 | 84  | 42343 | No |



|     |  |                      |                |        |     |           |         |        |     |       |     |
|-----|--|----------------------|----------------|--------|-----|-----------|---------|--------|-----|-------|-----|
| 72  | GOM_TRA_1PNPDE20100406_052702_000000442088_00205_42343_2109.N1 | 06-APR-2010 05:27:02 | Dark           | 44.000 | 154 | 22Bet Aqr | 2.8990  | 5700.0 | 88  | 42343 | No  |
| 73  | GOM_TRA_1PNPDE20100406_054114_000000542088_00205_42343_2110.N1 | 06-APR-2010 05:41:14 | Dark           | 54.000 | 103 | 38Zet Sgr | 2.6000  | 9700.0 | 108 | 42343 | No  |
| 74  | GOM_TRA_1PNPDE20100406_054452_000000252088_00206_42344_2111.N1 | 06-APR-2010 05:44:52 | Dark           | 25.000 | 38  | 20Eps Sgr | 1.8360  | 11000. | 50  | 42344 | No  |
| 75  | GOM_TRA_1PNPDE20100406_054823_000000582088_00206_42344_2112.N1 | 06-APR-2010 05:48:23 | Dark           | 58.000 | 40  | The Sco   | 1.8590  | 7100.0 | 116 | 42344 | No  |
| 76  | GOM_TRA_1PNPDE20100406_055119_000000402088_00206_42344_2113.N1 | 06-APR-2010 05:51:19 | Dark           | 40.000 | 134 | Bet TrA   | 2.8100  | 6600.0 | 80  | 42344 | No  |
| 77  | GOM_TRA_1PNPDE20100406_055649_000000442088_00206_42344_2114.N1 | 06-APR-2010 05:56:49 | Straylight     | 44.000 | 78  | Alp Lup   | 2.3040  | 28000. | 88  | 42344 | No  |
| 78  | GOM_TRA_1PNPDE20100406_055825_000000462088_00206_42344_2115.N1 | 06-APR-2010 05:58:25 | Straylight     | 45.500 | 81  | Eta Cen   | 2.3560  | 28000. | 91  | 42344 | No  |
| 79  | GOM_TRA_1PNPDE20100406_060102_000000472088_00206_42344_2116.N1 | 06-APR-2010 06:01:02 | Straylight     | 47.000 | 54  | 5The Cen  | 2.0550  | 4500.0 | 94  | 42344 | No  |
| 80  | GOM_TRA_1PNPDE20100406_060641_000000462088_00206_42344_2117.N1 | 06-APR-2010 06:06:41 | Tw_i_and_stray | 46.000 | 106 | 9Bet Crv  | 2.6480  | 5600.0 | 92  | 42344 | No  |
| 81  | GOM_TRA_1PNPDE20100406_060835_000000422088_00206_42344_2118.N1 | 06-APR-2010 06:08:35 | Tw_i_and_stray | 41.500 | 100 | 4Gam Crv  | 2.5800  | 13100. | 83  | 42344 | No  |
| 82  | GOM_TRA_1PNPDE20100406_061014_000000542088_00206_42344_2119.N1 | 06-APR-2010 06:10:14 | Bright         | 54.000 | 15  | 67Alp Vir | 0.97600 | 28000. | 108 | 42344 | No  |
| 83  | GOM_TRA_1PNPDE20100406_061323_000000432088_00206_42344_2120.N1 | 06-APR-2010 06:13:23 | Bright         | 42.500 | 121 | 29Gam Vir | 2.7400  | 7200.0 | 85  | 42344 | No  |
| 84  | GOM_TRA_1PNPDE20100406_061802_000000382088_00206_42344_2121.N1 | 06-APR-2010 06:18:02 | Bright         | 37.500 | 62  | 94Bet Leo | 2.1360  | 9700.0 | 75  | 42344 | No  |
| 85  | GOM_TRA_1PNPDE20100406_062606_000000422088_00206_42344_2122.N1 | 06-APR-2010 06:26:06 | Bright         | 42.000 | 152 | 12Alp2CVn | 2.8900  | 11000. | 84  | 42344 | No  |
| 86  | GOM_TRA_1PNPDE20100406_062920_000000382088_00206_42344_2123.N1 | 06-APR-2010 06:29:20 | Bright         | 38.000 | 87  | 64Gam UMa | 2.4330  | 11000. | 76  | 42344 | No  |
| 87  | GOM_TRA_1PNPDE20100406_063056_000000402088_00206_42344_2124.N1 | 06-APR-2010 06:30:56 | Bright         | 40.000 | 32  | 77Eps UMa | 1.7630  | 11000. | 80  | 42344 | No  |
| 88  | GOM_TRA_1PNPDE20100406_063721_000000382088_00206_42344_2125.N1 | 06-APR-2010 06:37:21 | Bright         | 37.500 | 60  | 7Bet UMi  | 2.0810  | 3950.0 | 75  | 42344 | No  |
| 89  | GOM_TRA_1PNPDE20100406_210354_000000492088_00215_42353_2219.N1 | 06-APR-2010 21:03:54 | Straylight     | 49.000 | 81  | Eta Cen   | 2.3560  | 28000. | 98  | 42353 | Yes |
| 90  | GOM_TRA_1PNPDE20100406_210629_000000512088_00215_42353_2220.N1 | 06-APR-2010 21:06:29 | Straylight     | 51.000 | 54  | 5The Cen  | 2.0550  | 4500.0 | 102 | 42353 | No  |
| 91  | GOM_TRA_1PNPDE20100406_211205_000000442088_00215_42353_2221.N1 | 06-APR-2010 21:12:05 | Tw_i_and_stray | 44.000 | 106 | 9Bet Crv  | 2.6480  | 5600.0 | 88  | 42353 | No  |
| 92  | GOM_TRA_1PNPDE20100406_211359_000000422088_00215_42353_2222.N1 | 06-APR-2010 21:13:59 | Tw_i_and_stray | 41.500 | 100 | 4Gam Crv  | 2.5800  | 13100. | 83  | 42353 | No  |
| 93  | GOM_TRA_1PNPDE20100406_211537_000000562088_00215_42353_2223.N1 | 06-APR-2010 21:15:37 | Bright         | 55.500 | 15  | 67Alp Vir | 0.97600 | 28000. | 111 | 42353 | No  |
| 94  | GOM_TRA_1PNPDE20100406_211846_000000432088_00215_42353_2224.N1 | 06-APR-2010 21:18:46 | Bright         | 42.500 | 121 | 29Gam Vir | 2.7400  | 7200.0 | 85  | 42353 | No  |
| 95  | GOM_TRA_1PNPDE20100406_212325_000000372088_00215_42353_2225.N1 | 06-APR-2010 21:23:25 | Bright         | 37.000 | 62  | 94Bet Leo | 2.1360  | 9700.0 | 74  | 42353 | No  |
| 96  | GOM_TRA_1PNPDE20100406_213126_000000402088_00215_42353_2226.N1 | 06-APR-2010 21:31:26 | Bright         | 39.500 | 152 | 12Alp2CVn | 2.8900  | 11000. | 79  | 42353 | No  |
| 97  | GOM_TRA_1PNPDE20100406_213442_000000362088_00215_42353_2227.N1 | 06-APR-2010 21:34:42 | Bright         | 36.000 | 87  | 64Gam UMa | 2.4330  | 11000. | 72  | 42353 | No  |
| 98  | GOM_TRA_1PNPDE20100406_213616_000000402088_00215_42353_2228.N1 | 06-APR-2010 21:36:16 | Bright         | 39.500 | 32  | 77Eps UMa | 1.7630  | 11000. | 79  | 42353 | No  |
| 99  | GOM_TRA_1PNPDE20100406_214241_000000372088_00215_42353_2229.N1 | 06-APR-2010 21:42:41 | Bright         | 36.500 | 60  | 7Bet UMi  | 2.0810  | 3950.0 | 73  | 42353 | No  |
| 100 | GOM_TRA_1PNPDE20100406_215225_000000382088_00215_42353_2230.N1 | 06-APR-2010 21:52:25 | Bright         | 37.500 | 89  | 5Alp Cep  | 2.4510  | 8000.0 | 75  | 42353 | No  |
| 101 | GOM_TRA_1PNPDE20100406_215739_000000462088_00215_42353_2231.N1 | 06-APR-2010 21:57:39 | Bright         | 46.000 | 19  | 50Alp Cyg | 1.2460  | 10500. | 92  | 42353 | No  |
| 102 | GOM_TRA_1PNPDE20100406_215921_000000492088_00215_42353_2232.N1 | 06-APR-2010 21:59:21 | Bright         | 48.500 | 66  | 37Gam Cyg | 2.2080  | 5900.0 | 97  | 42353 | No  |
| 103 | GOM_TRA_1PNPDE20100406_220133_000000472088_00215_42353_2233.N1 | 06-APR-2010 22:01:33 | Bright         | 46.500 | 92  | 53Eps Cyg | 2.5000  | 4500.0 | 93  | 42353 | No  |
| 104 | GOM_TRA_1PNPDE20100406_220821_000000552088_00215_42353_2234.N1 | 06-APR-2010 22:08:21 | Tw_i_and_stray | 55.000 | 61  | 8Eps Peg  | 2.1000  | 3900.0 | 110 | 42353 | No  |
| 105 | GOM_TRA_1PNPDE20100406_221305_000000442088_00215_42353_2235.N1 | 06-APR-2010 22:13:05 | Dark           | 43.500 | 154 | 22Bet Aqr | 2.8990  | 5700.0 | 87  | 42353 | No  |
| 106 | GOM_TRA_1PNPDE20100406_222727_000000572088_00215_42353_2241.N1 | 06-APR-2010 22:27:27 | Dark           | 56.500 | 103 | 38Zet Sgr | 2.6000  | 9700.0 | 113 | 42353 | No  |
| 107 | GOM_TRA_1PNPDE20100406_223433_000000542088_00216_42354_2242.N1 | 06-APR-2010 22:34:33 | Dark           | 54.000 | 40  | The Sco   | 1.8590  | 7100.0 | 108 | 42354 | No  |
| 108 | GOM_TRA_1PNPDE20100406_223723_000000402088_00216_42354_2243.N1 | 06-APR-2010 22:37:23 | Dark           | 39.500 | 134 | Bet TrA   | 2.8100  | 6600.0 | 79  | 42354 | No  |
| 109 | GOM_TRA_1PNPDE20100406_224254_000000452088_00216_42354_2244.N1 | 06-APR-2010 22:42:54 | Straylight     | 44.500 | 78  | Alp Lup   | 2.3040  | 28000. | 89  | 42354 | No  |
| 110 | GOM_TRA_1PNPDE20100406_224430_000000452088_00216_42354_2245.N1 | 06-APR-2010 22:44:30 | Straylight     | 44.500 | 81  | Eta Cen   | 2.3560  | 28000. | 89  | 42354 | No  |
| 111 | GOM_TRA_1PNPDE20100406_224705_000000492088_00216_42354_2246.N1 | 06-APR-2010 22:47:05 | Straylight     | 49.000 | 54  | 5The Cen  | 2.0550  | 4500.0 | 98  | 42354 | No  |
| 112 | GOM_TRA_1PNPDE20100406_225241_000000472088_00216_42354_2247.N1 | 06-APR-2010 22:52:41 | Tw_i_and_stray | 46.500 | 106 | 9Bet Crv  | 2.6480  | 5600.0 | 93  | 42354 | No  |
| 113 | GOM_TRA_1PNPDE20100406_225435_000000432088_00216_42354_2248.N1 | 06-APR-2010 22:54:35 | Tw_i_and_stray | 42.500 | 100 | 4Gam Crv  | 2.5800  | 13100. | 85  | 42354 | No  |
| 114 | GOM_TRA_1PNPDE20100406_225613_000000522088_00216_42354_2249.N1 | 06-APR-2010 22:56:13 | Bright         | 52.000 | 15  | 67Alp Vir | 0.97600 | 28000. | 104 | 42354 | No  |
| 115 | GOM_TRA_1PNPDE20100406_225921_000000422088_00216_42354_2250.N1 | 06-APR-2010 22:59:21 | Bright         | 42.000 | 121 | 29Gam Vir | 2.7400  | 7200.0 | 84  | 42354 | No  |
| 116 | GOM_TRA_1PNPDE20100406_230401_000000372088_00216_42354_2251.N1 | 06-APR-2010 23:04:01 | Bright         | 37.000 | 62  | 94Bet Leo | 2.1360  | 9700.0 | 74  | 42354 | No  |
| 117 | GOM_TRA_1PNPDE20100406_231201_000000422088_00216_42354_2252.N1 | 06-APR-2010 23:12:01 | Bright         | 42.000 | 152 | 12Alp2CVn | 2.8900  | 11000. | 84  | 42354 | No  |
| 118 | GOM_TRA_1PNPDE20100406_231517_000000542088_00216_42354_2253.N1 | 06-APR-2010 23:15:17 | Bright         | 54.000 | 87  | 64Gam UMa | 2.4330  | 11000. | 108 | 42354 | No  |
| 119 | GOM_TRA_1PNPDE20100406_231652_000000412088_00216_42354_2254.N1 | 06-APR-2010 23:16:52 | Bright         | 40.500 | 32  | 77Eps UMa | 1.7630  | 11000. | 81  | 42354 | No  |
| 120 | GOM_TRA_1PNPDE20100406_232317_000000532088_00216_42354_2255.N1 | 06-APR-2010 23:23:17 | Bright         | 52.500 | 60  | 7Bet UMi  | 2.0810  | 3950.0 | 105 | 42354 | No  |
| 121 | GOM_TRA_1PNPDE20100406_233301_000000552088_00216_42354_2256.N1 | 06-APR-2010 23:33:01 | Bright         | 55.000 | 89  | 5Alp Cep  | 2.4510  | 8000.0 | 110 | 42354 | No  |
| 122 | GOM_TRA_1PNPDE20100406_233815_000000452088_00216_42354_2257.N1 | 06-APR-2010 23:38:15 | Bright         | 45.000 | 19  | 50Alp Cyg | 1.2460  | 10500. | 90  | 42354 | No  |
| 123 | GOM_TRA_1PNPDE20100406_233957_000000482088_00216_42354_2258.N1 | 06-APR-2010 23:39:57 | Bright         | 48.000 | 66  | 37Gam Cyg | 2.2080  | 5900.0 | 96  | 42354 | No  |
| 124 | GOM_TRA_1PNPDE20100406_234208_000000642088_00216_42354_2259.N1 | 06-APR-2010 23:42:08 | Bright         | 64.000 | 92  | 53Eps Cyg | 2.5000  | 4500.0 | 128 | 42354 | No  |
| 125 | GOM_TRA_1PNPDE20100406_234857_000000492088_00216_42354_2260.N1 | 06-APR-2010 23:48:57 | Tw_i_and_stray | 48.500 | 61  | 8Eps Peg  | 2.1000  | 3900.0 | 97  | 42354 | No  |
| 126 | GOM_TRA_1PNPDE20100406_235342_000000462088_00216_42354_2261.N1 | 06-APR-2010 23:53:42 | Dark           | 45.500 | 154 | 22Bet Aqr | 2.8990  | 5700.0 | 91  | 42354 | 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.

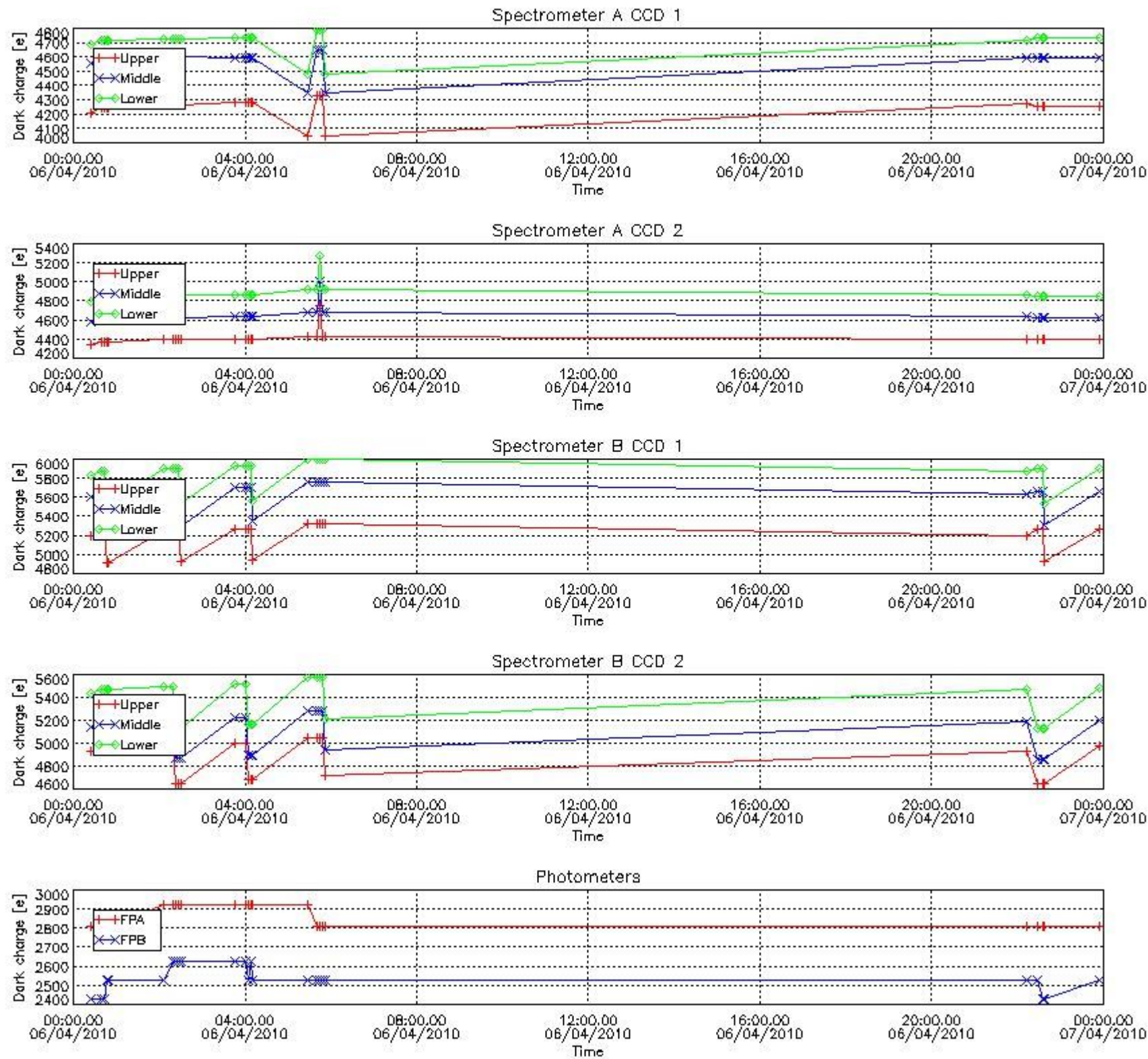
##### 4.1 These products did not use the DSA observation for DC computation:

| Product name   | DC information        |
|--|-----------------------|
| GOM_TRA_1PNPDE20100406_210354_000000492088_00215_42353_2219.N1 | DC map with no T dep. |
| GOM_TRA_1PNPDE20100406_210629_000000512088_00215_42353_2220.N1 | DC map used           |
| GOM_TRA_1PNPDE20100406_211205_000000442088_00215_42353_2221.N1 | DC map used           |
| GOM_TRA_1PNPDE20100406_211359_000000422088_00215_42353_2222.N1 | DC map used           |
| GOM_TRA_1PNPDE20100406_211537_000000562088_00215_42353_2223.N1 | DC map used           |
| GOM_TRA_1PNPDE20100406_211846_000000432088_00215_42353_2224.N1 | DC map used           |
| GOM_TRA_1PNPDE20100406_212325_000000372088_00215_42353_2225.N1 | DC map used           |
| GOM_TRA_1PNPDE20100406_213126_000000402088_00215_42353_2226.N1 | DC map used           |
| GOM_TRA_1PNPDE20100406_213442_000000362088_00215_42353_2227.N1 | DC map used           |
| GOM_TRA_1PNPDE20100406_213616_000000402088_00215_42353_2228.N1 | DC map used           |
| GOM_TRA_1PNPDE20100406_214241_000000372088_00215_42353_2229.N1 | DC map used           |
| GOM_TRA_1PNPDE20100406_215225_000000382088_00215_42353_2230.N1 | DC map used           |
| GOM_TRA_1PNPDE20100406_215739_000000462088_00215_42353_2231.N1 | DC map used           |
| GOM_TRA_1PNPDE20100406_215921_000000492088_00215_42353_2232.N1 | DC map used           |



|  |             |
|--|-------------|
| GOM_TRA_1PNPDE20100406_220133_000000472088_00215_42353_2233.N1 | DC map used |
| GOM_TRA_1PNPDE20100406_220821_000000552088_00215_42353_2234.N1 | DC map used |
| GOM_TRA_1PNPDE20100406_221305_000000442088_00215_42353_2235.N1 | DC map used |

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



5. Demodulation flag and quality information monitoring

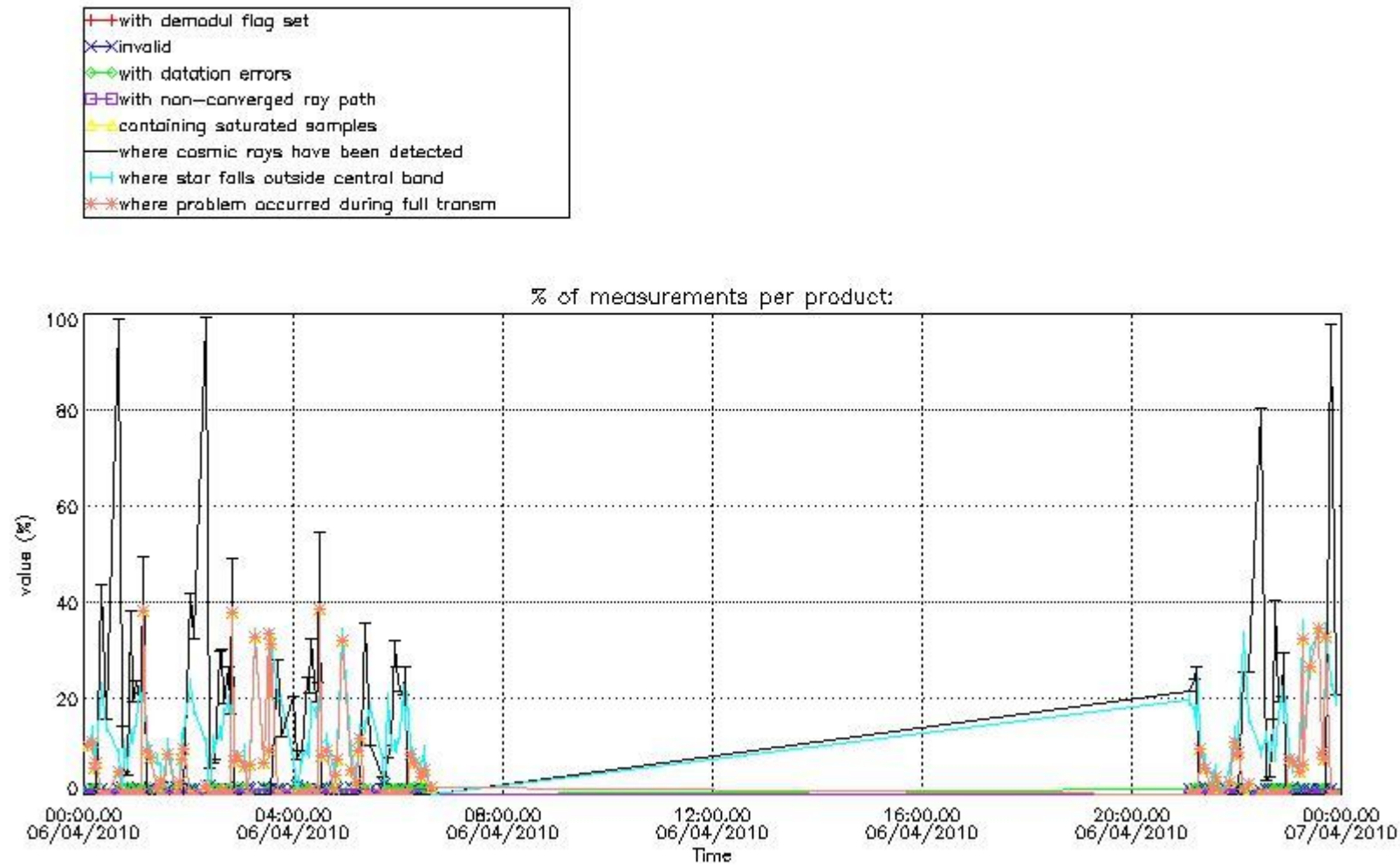
In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors

(error flag in the MPH set to "0") are used.

5.1 Percentage of products during reporting period with:

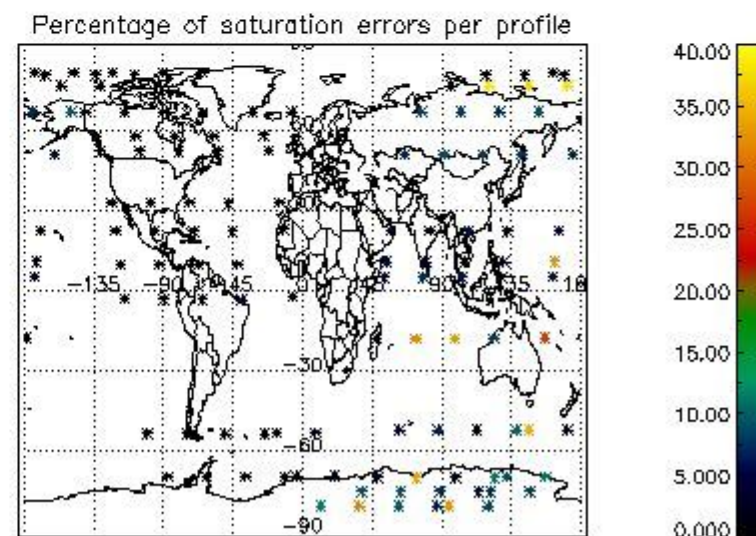
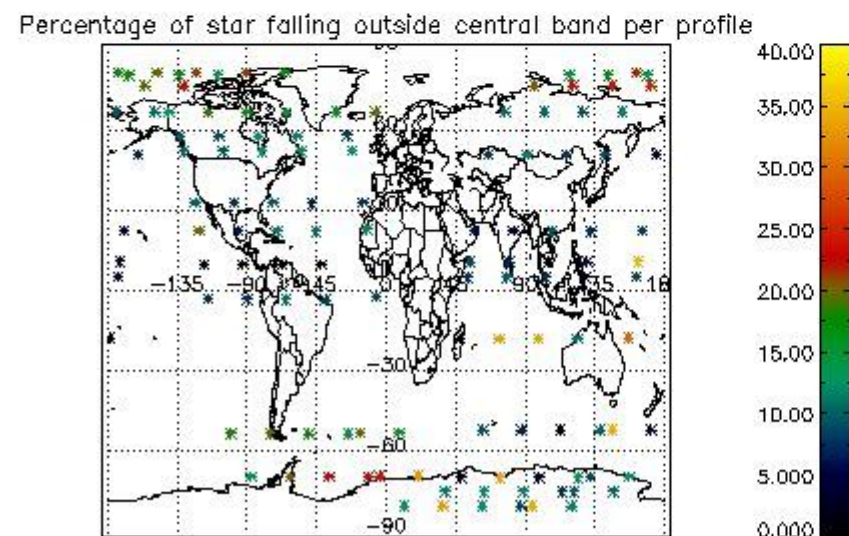
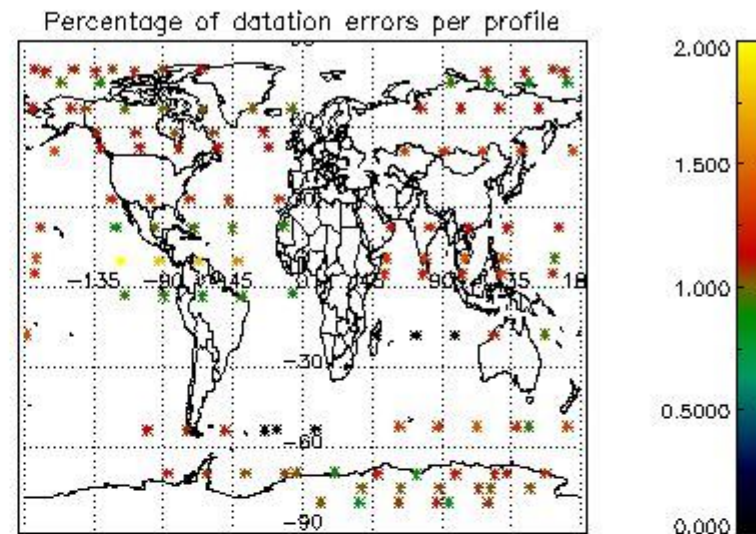
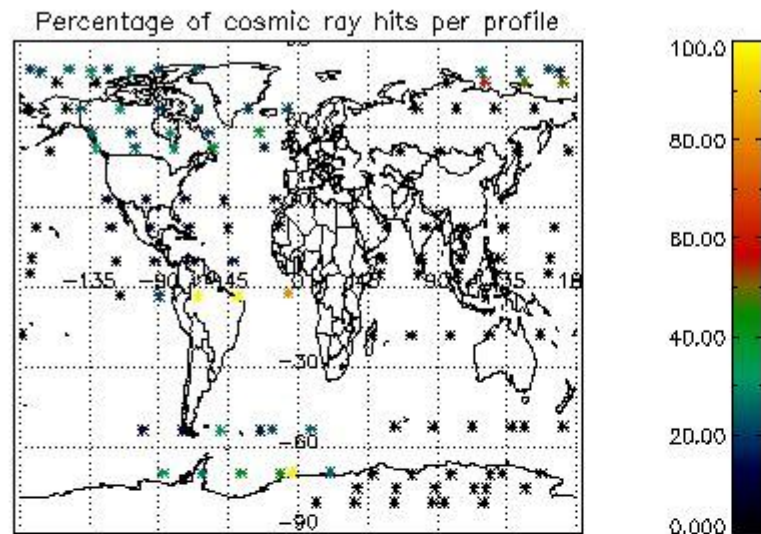
|   |           |
|---|-----------|
| At least one measurement with demodulation flag set:  | 38.4000 % |
| Reference spectrum computed from DB:                  | 0.00000 % |
| Reference spectrum with small number of measurements: | 0.00000 % |
| SATU data not used:                                   | 0.00000 % |

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)





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

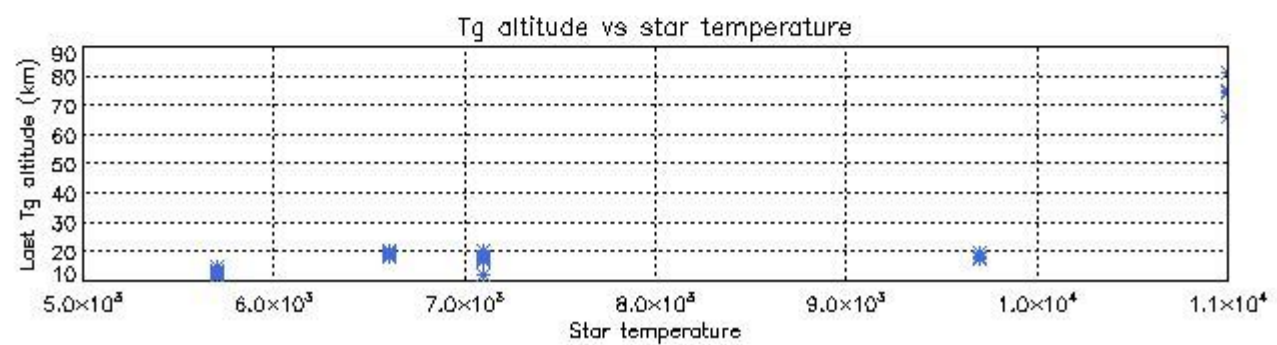
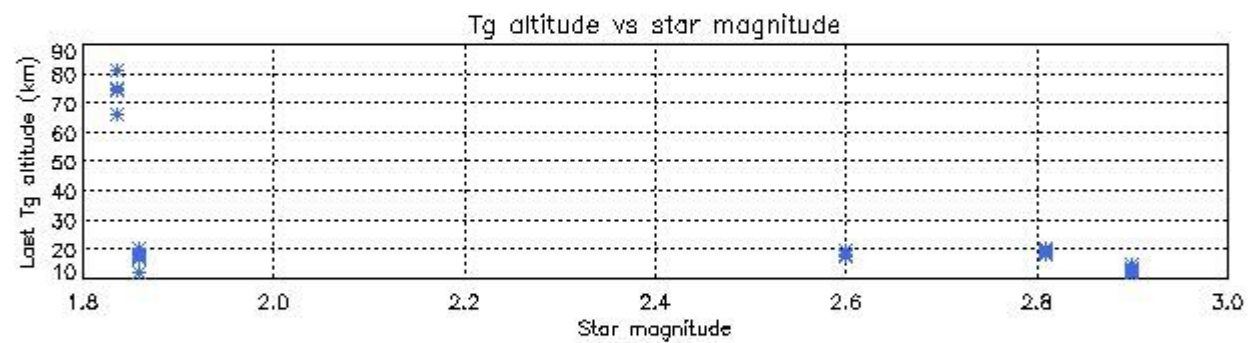
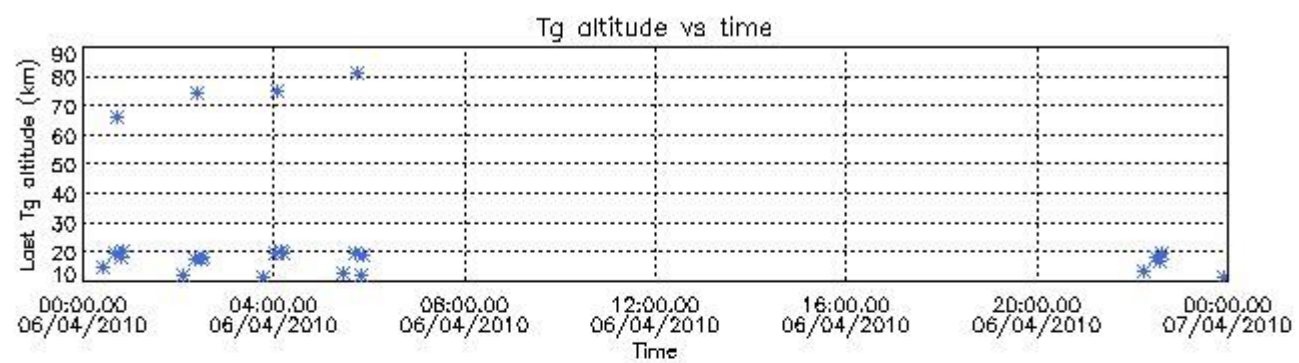
### 6.1 Statistics on tangent altitude lost:

| Statistics      | DARK   | BRIGHT | TWILIGHT |
|-----------------|--------|--------|----------|
| Mean:           | 25.911 | 17.255 | NaN      |
| St. deviation:  | 21.801 | 6.2080 | NaN      |
| Maximum:        | 81.223 | 27.969 | NaN      |
| Minimum:        | 11.103 | 3.7201 | NaN      |
| Number of data: | 25.000 | 66.000 | NaN      |

### 6.2 Plot for DARK limb products

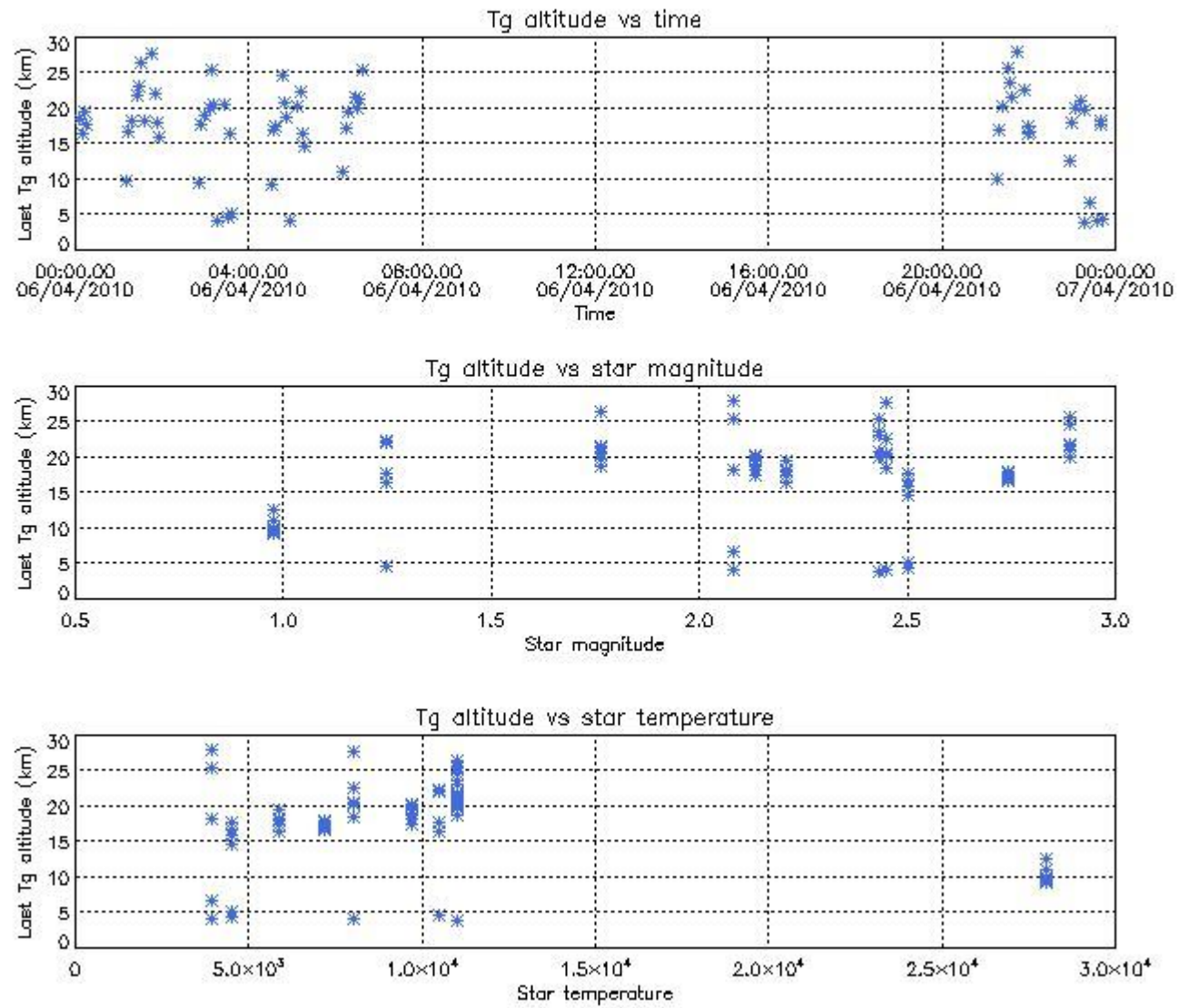


Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost

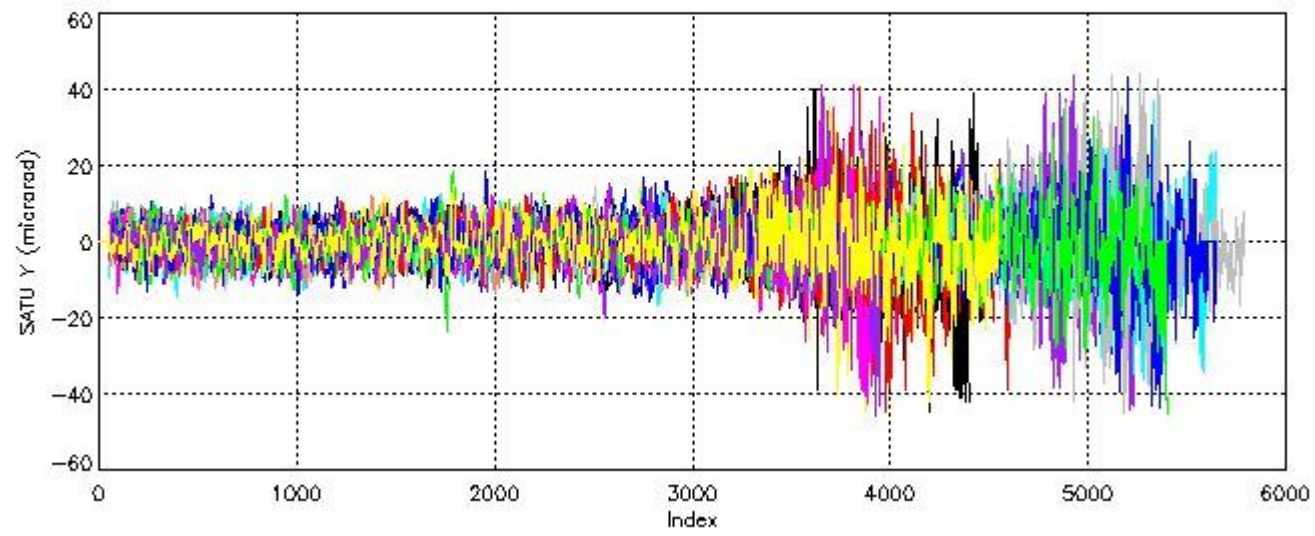
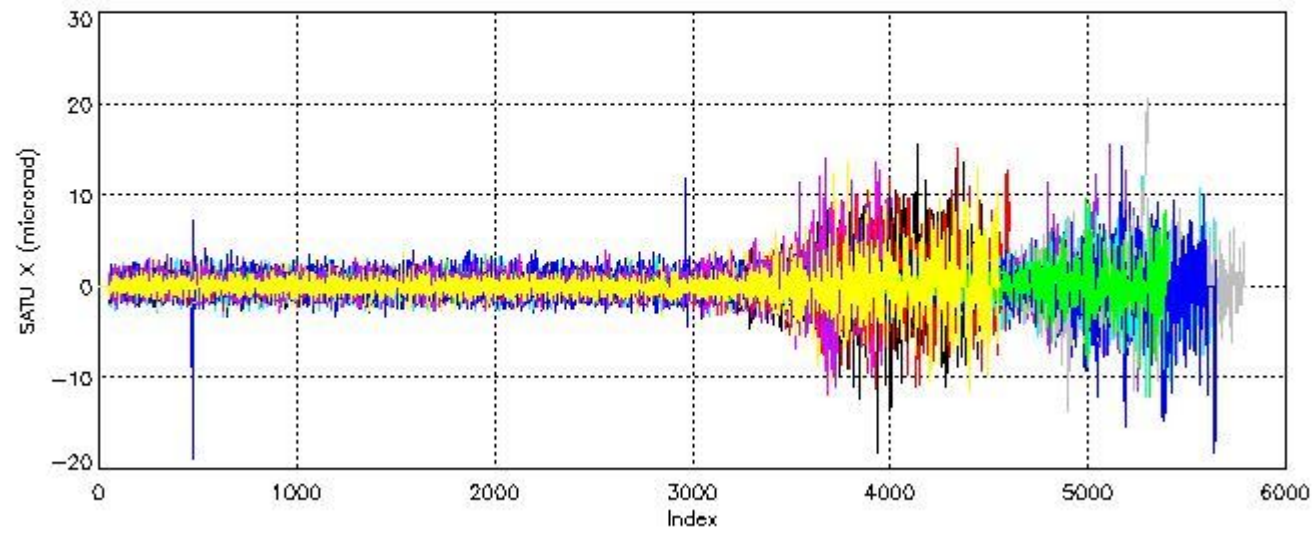


## 7. Star Acquisition and Tracking Unit (SATU)

The Star Acquisition and Tracking Unit (SATU) analyses the position of the tracked star beam collected by the GOMOS telescope and deflected by the optical beam dispatcher. The main function of the SATU is to detect a star, provide its image position to the science data electronics and to help the pointing function to keep the star image at a fixed position. In tracking mode the SATU data is recorded with a frequency of 100 Hz.

### 7.1 SATU 'X' and 'Y' axis plots (dark limb)

SATU CCD 'X' and 'Y' axis plots are provided in order to detect any abnormal behaviour of the tracking system. For every occultation (color) the plot should remain stable (with some noise) until we are deep in the atmosphere where big fluctuations are registered due to the refractive effects.



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

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere.

Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

### 7.2.1 SATU NEA Statistics (table)

| Statistics     | SATU X (D) | SATU Y (D) | SATU X (B) | SATU Y (B) |
|----------------|------------|------------|------------|------------|
| Mean:          | 0.20915    | -0.45498   | 0.20447    | -0.43529   |
| St. deviation: | 0.71318    | 3.4656     | 0.75482    | 3.0706     |
| Maximum:       | 7.1000     | 12.200     | 6.2000     | 13.200     |
| Minimum:       | -19.000    | -14.500    | -16.800    | -14.100    |



|                 |        |        |        |        |
|-----------------|--------|--------|--------|--------|
| Number of data: | 28250. | 28250. | 64300. | 64300. |
|-----------------|--------|--------|--------|--------|

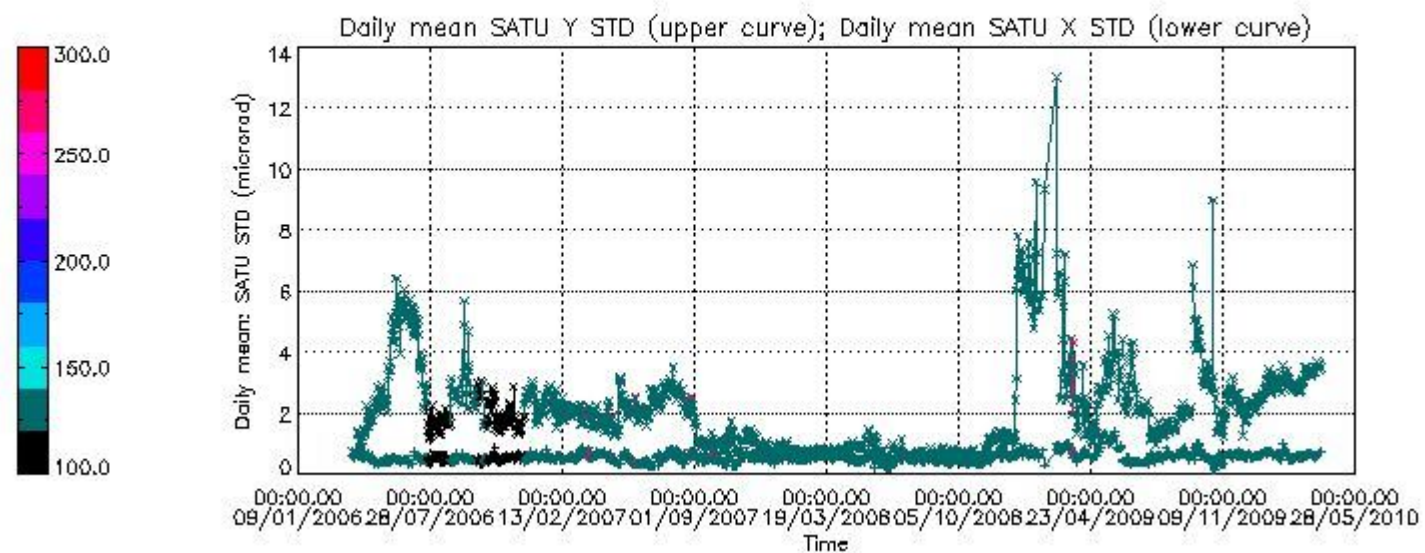
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

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

Upper curve: STD of SATU Y axis

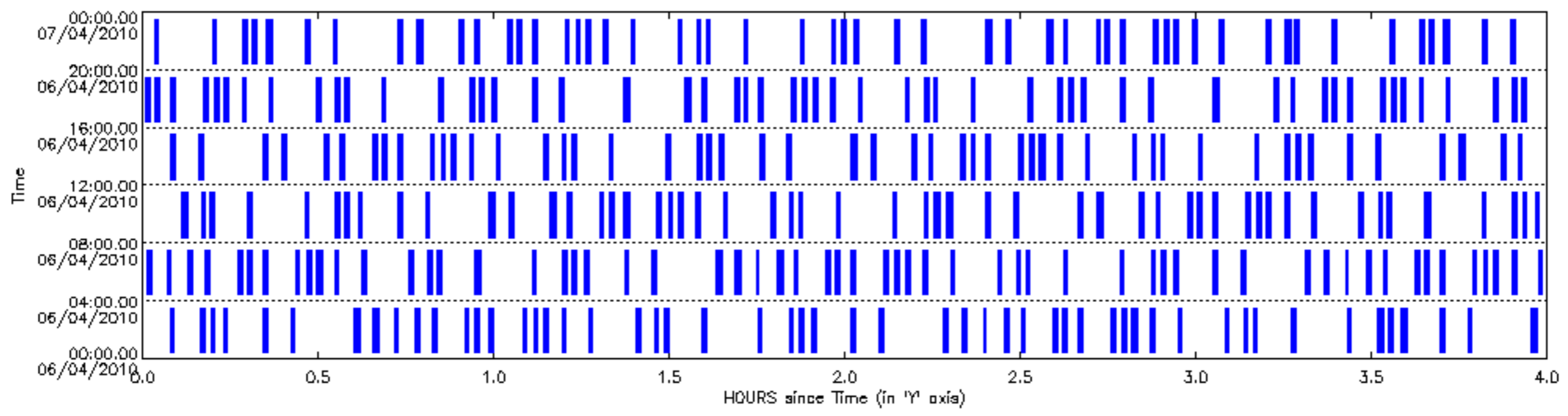
Lower curve: STD of SATU X axis

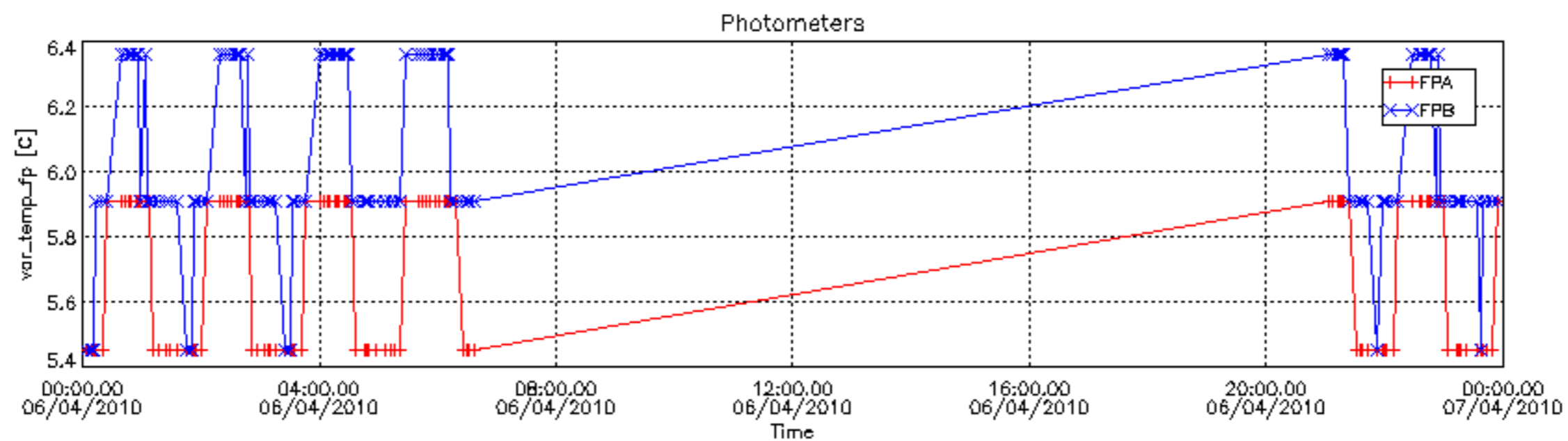
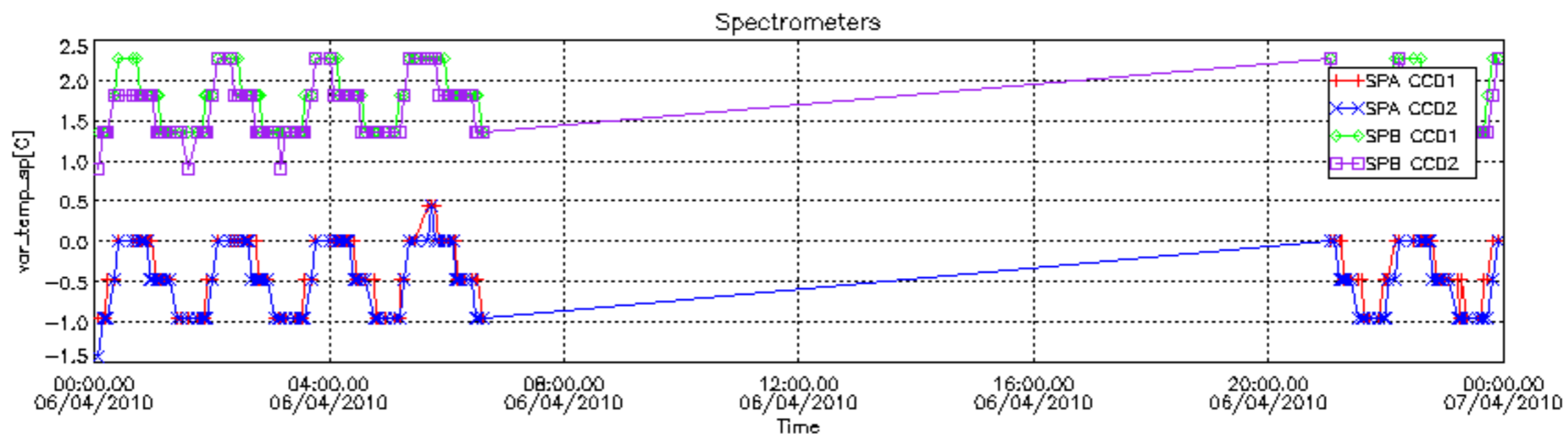


### 8. Auxiliary Data Files used for the production reported in section 2.4

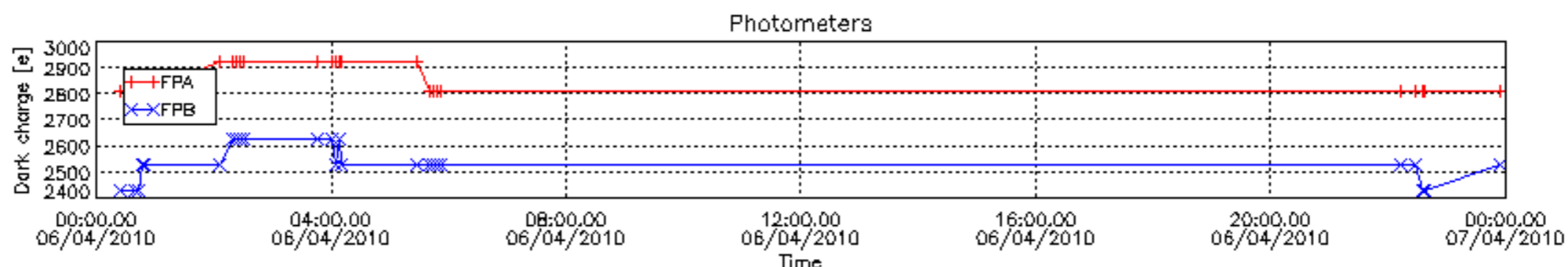
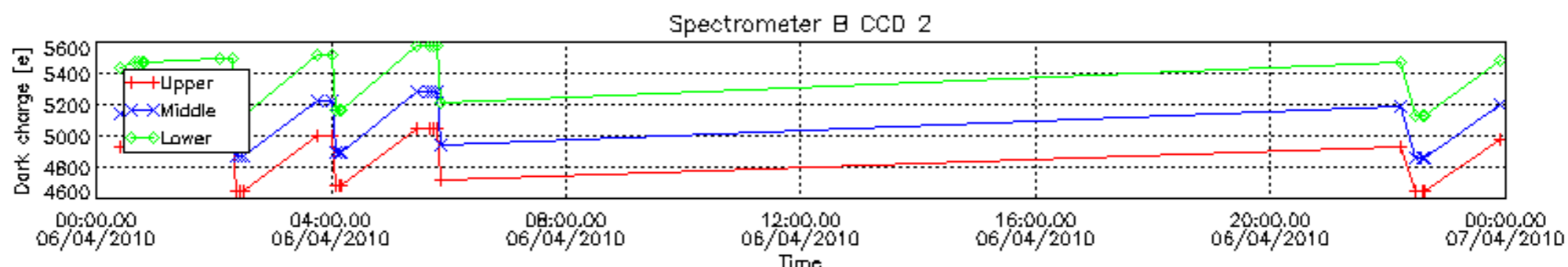
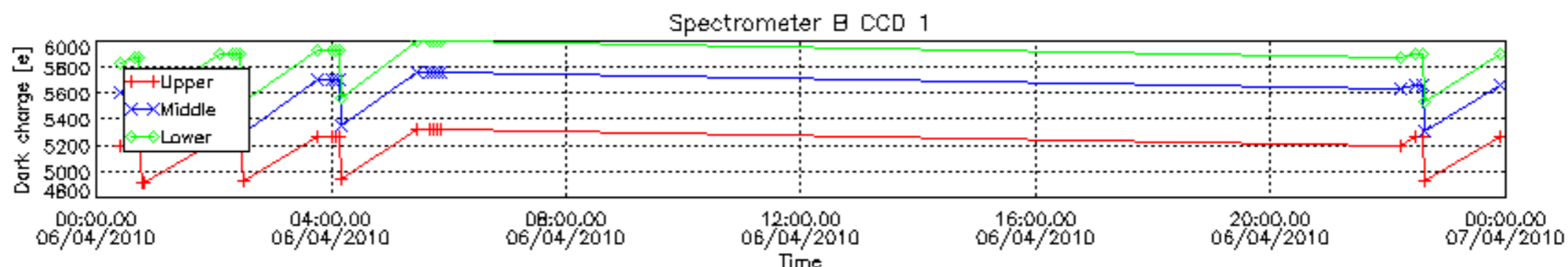
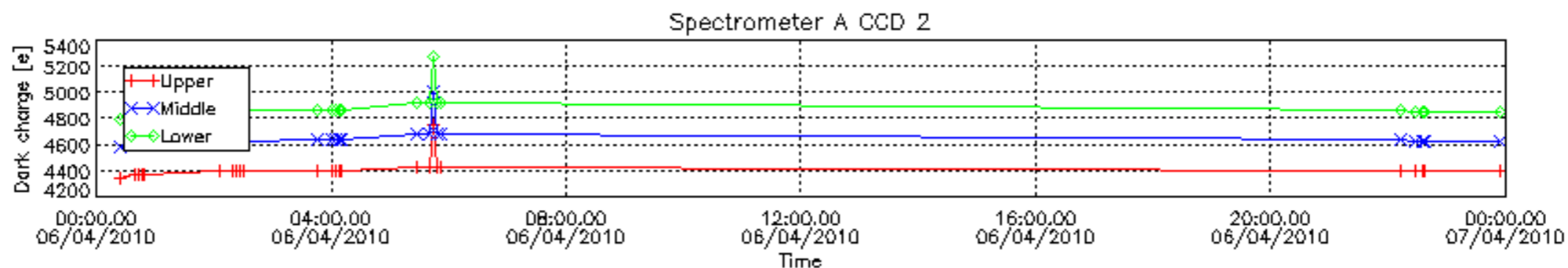
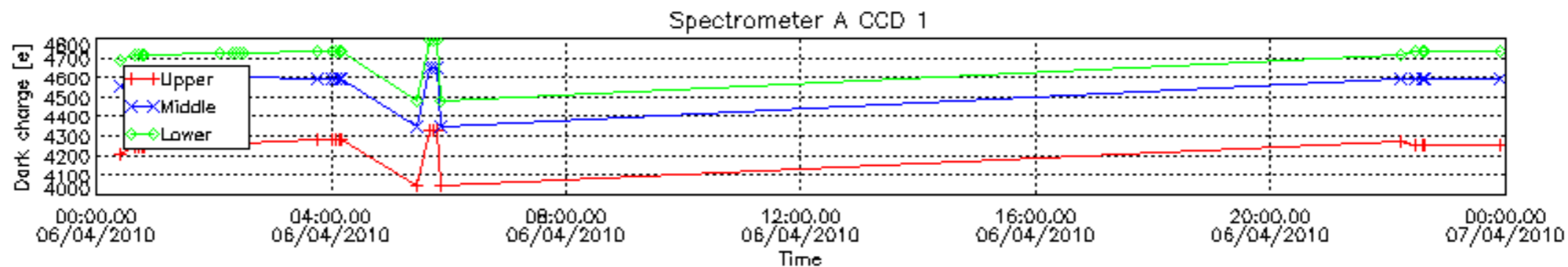
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

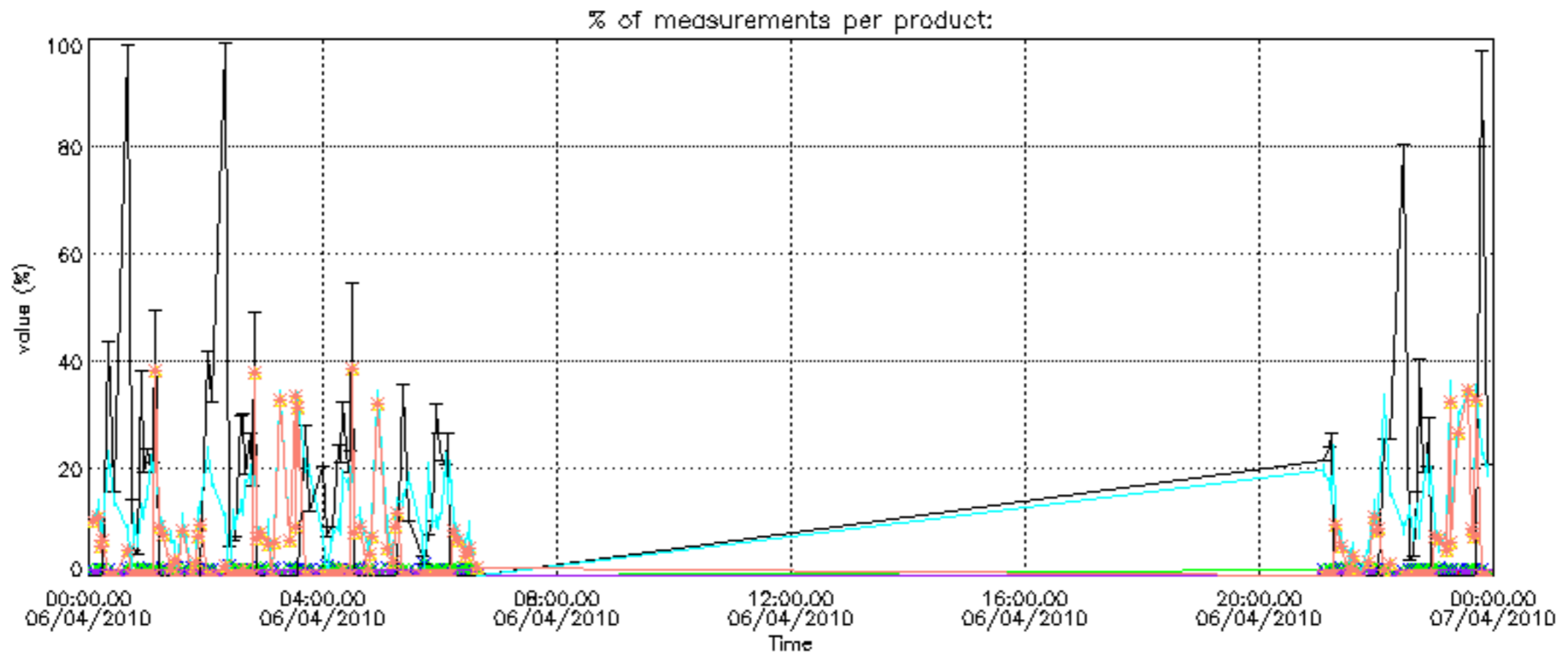
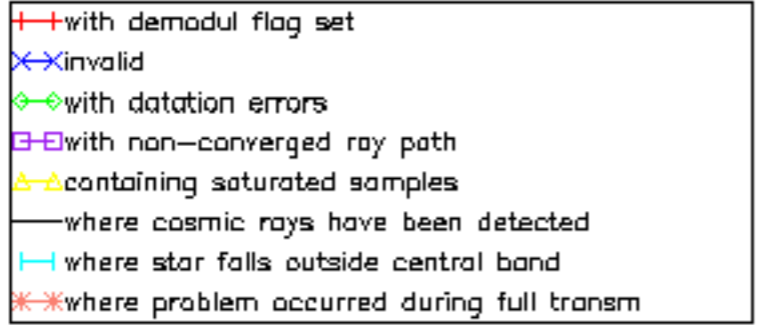
| Type                      | Auxiliary Filename   | Used since product | Used since product date |
|---------------------------|--|--------------------|-------------------------|
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| CALIBRATION_DATABASE      | GOM_CAL_AXVIEC20100330_083348_20100328_000000_20500101_000000  | 1                  | 06-APR-2010 00:04:40    |
| LEVEL-1B_PROC_CONFIG      | GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000  | 1                  | 06-APR-2010 00:04:40    |
| STAR_CATALOGUE            | GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000  | 1                  | 06-APR-2010 00:04:40    |
| STELLAR_SPECTRA_DATABANK  | GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000  | 1                  | 06-APR-2010 00:04:40    |
| ECMWF_FILE                | AUX_ECF_AXNECM20100405_052119_20100405_210000_20100406_090000  | 1                  | 06-APR-2010 00:04:40    |
| ECMWF_FILE                | AUX_ECF_AXNECM20100405_172118_20100406_030000_20100406_150000  | 45                 | 06-APR-2010 03:25:51    |
| ECMWF_FILE                | AUX_ECA_AXNECM20100406_052118_20100405_210000_20100406_090000  | 67                 | 06-APR-2010 05:06:27    |
| ECMWF_FILE                | AUX_ECF_AXNECM20100406_054118_20100406_210000_20100407_090000  | 89                 | 06-APR-2010 21:03:54    |
| OPTIONAL_ECMWF_FILE       | MISSING  | 1                  | 06-APR-2010 00:04:40    |
| ORBIT_DATA_FILE           | DOR_NAV_OPNPDE20100405_224513_000057382088_00201_42339_0105.N1 | 1                  | 06-APR-2010 00:04:40    |
| ORBIT_DATA_FILE           | AUX_FPO_AXVPDS20100405_100116_20100404_182932_20100414_213620  | 7                  | 06-APR-2010 00:39:22    |
| ORBIT_DATA_FILE           | DOR_NAV_OPNPDE20100406_031612_000057382088_00204_42342_0108.N1 | 45                 | 06-APR-2010 03:25:51    |
| ORBIT_DATA_FILE           | DOR_NAV_OPNPDE20100406_045709_000060572088_00205_42343_0109.N1 | 67                 | 06-APR-2010 05:06:27    |
| ORBIT_DATA_FILE           | DOR_NAV_OPNPDE20100406_210408_000038252088_00215_42353_0110.N1 | 89                 | 06-APR-2010 21:03:54    |
| ORBIT_DATA_FILE           | DOR_NAV_OPNPDE20100406_221312_000057382088_00215_42353_0111.N1 | 106                | 06-APR-2010 22:27:27    |



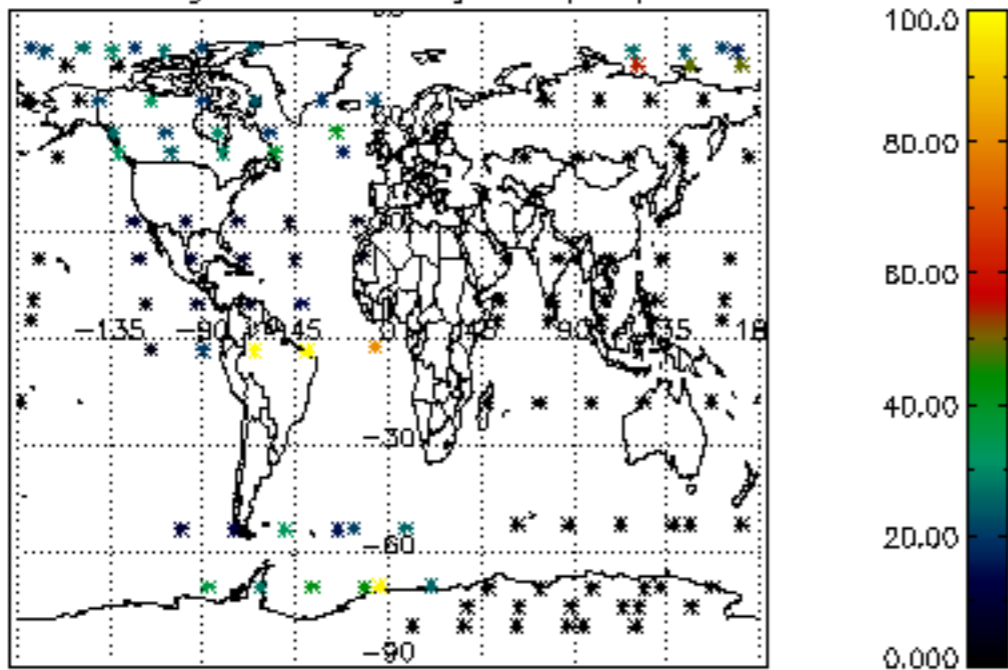




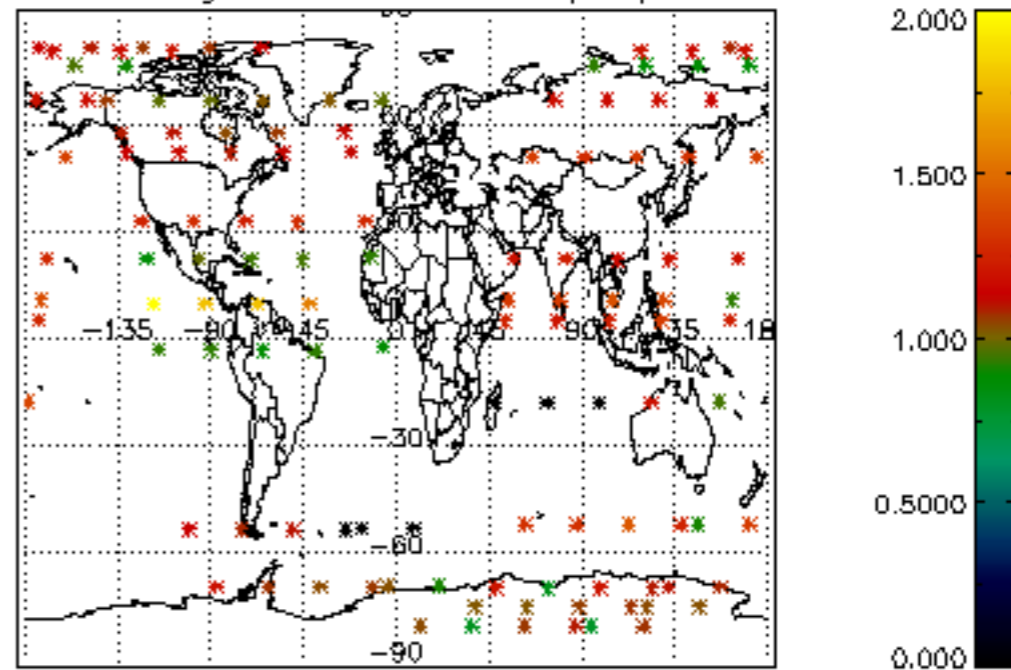




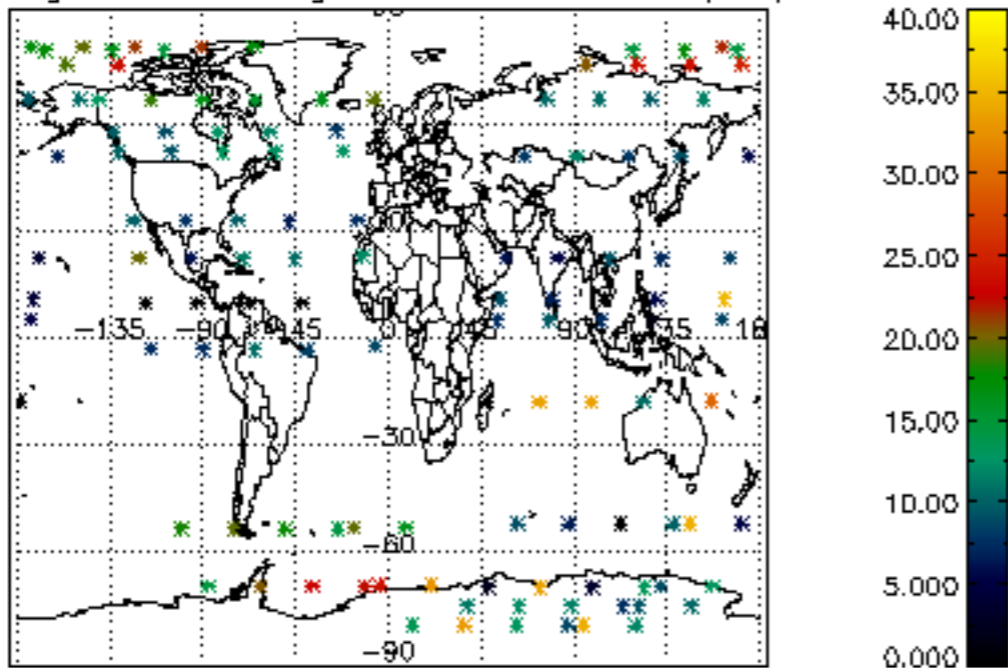
Percentage of cosmic ray hits per profile



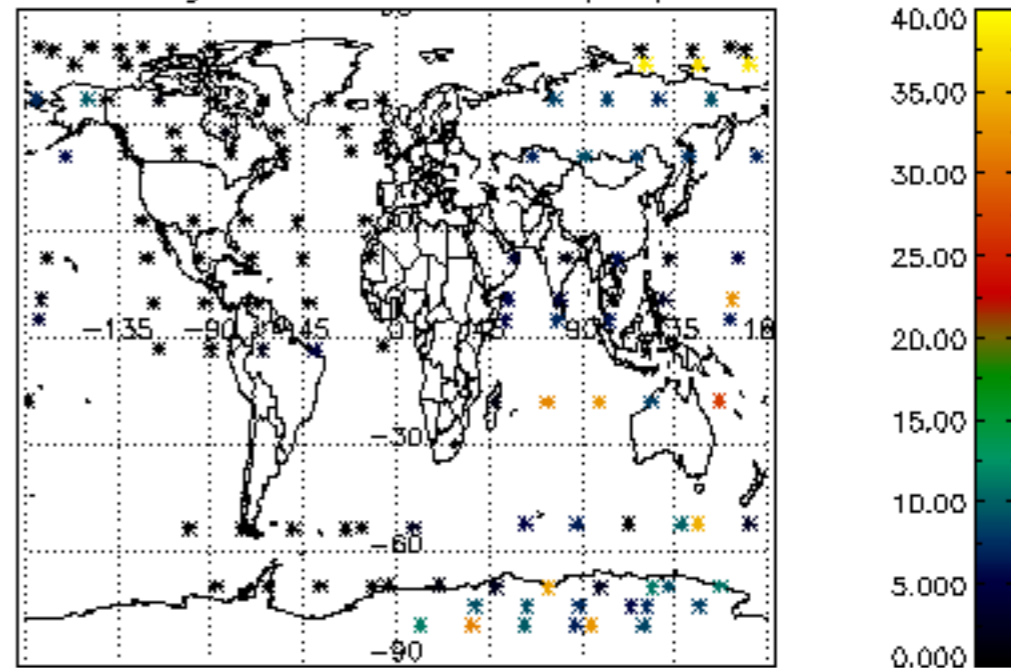
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

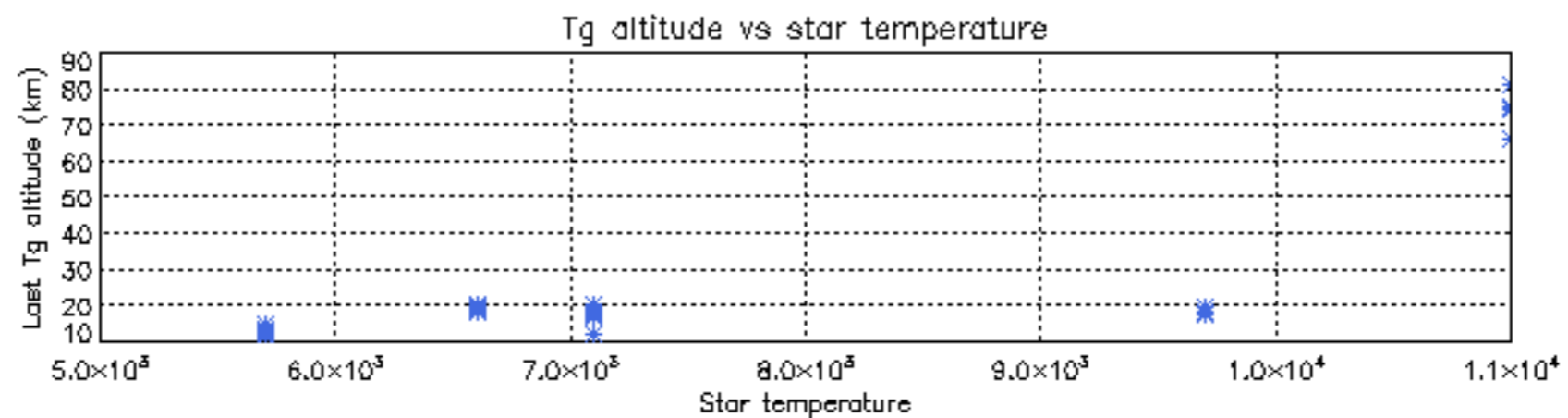
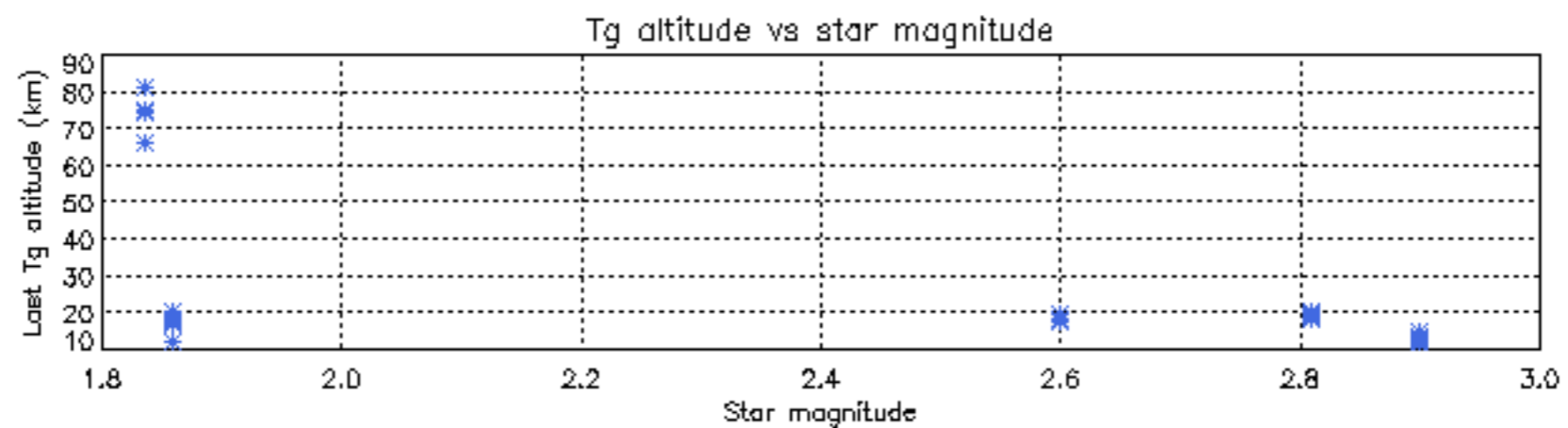
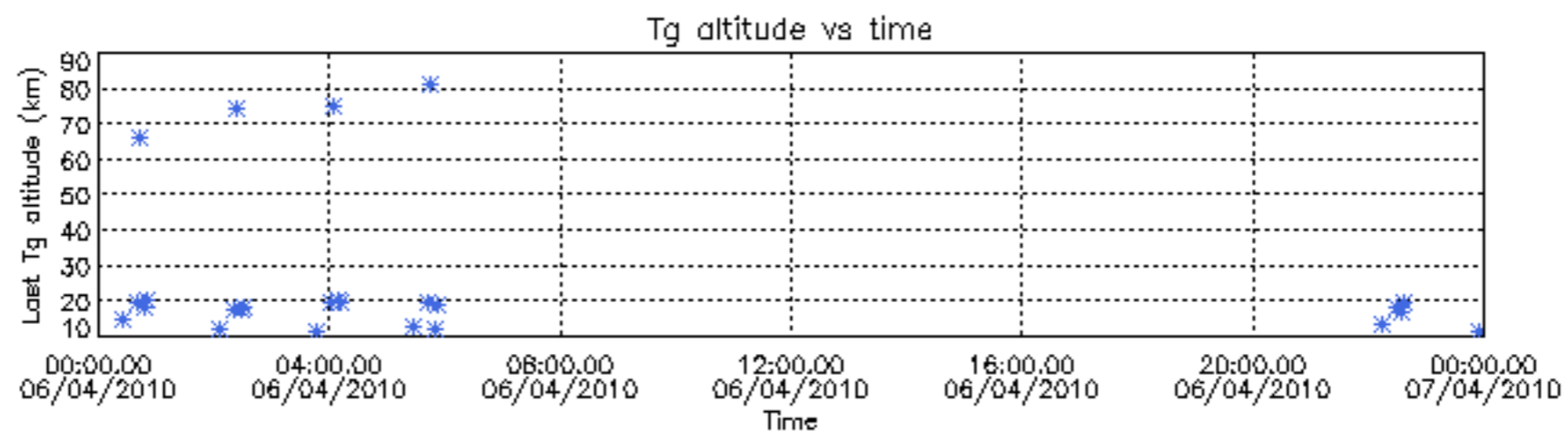


Percentage of saturation errors per profile

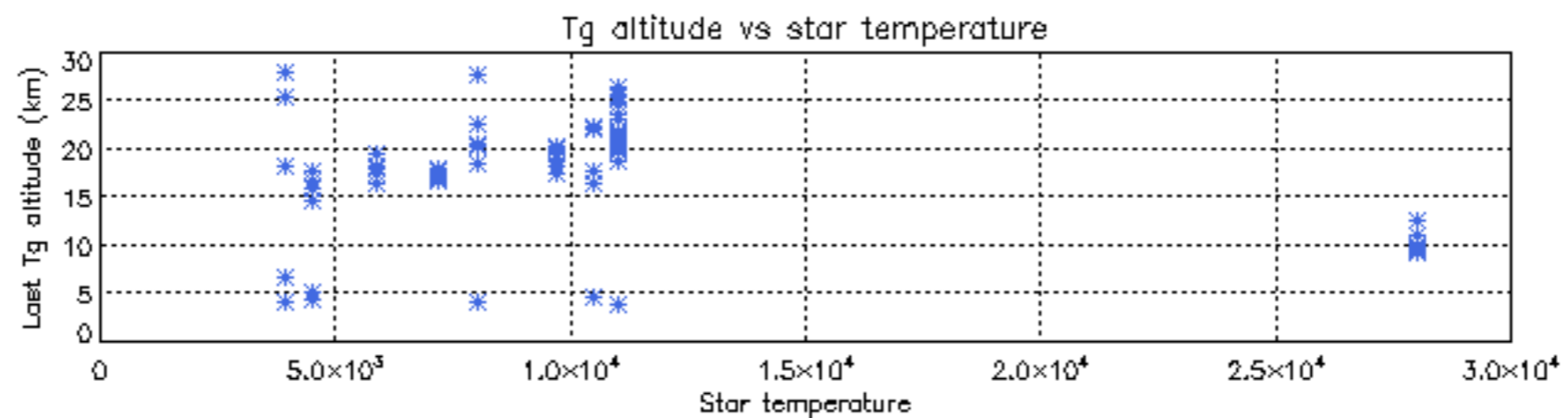
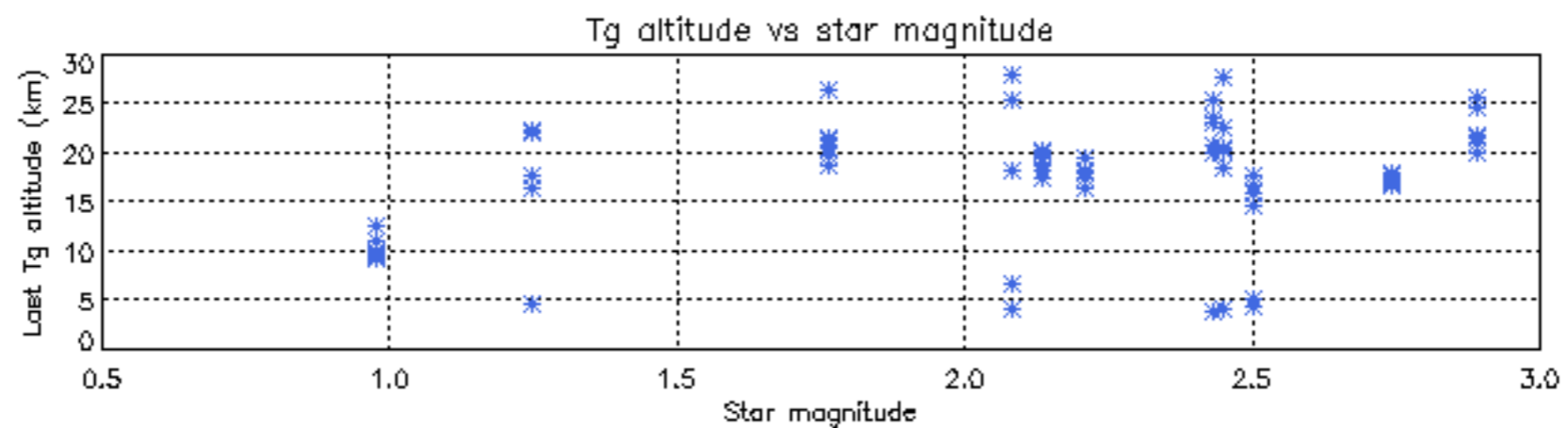
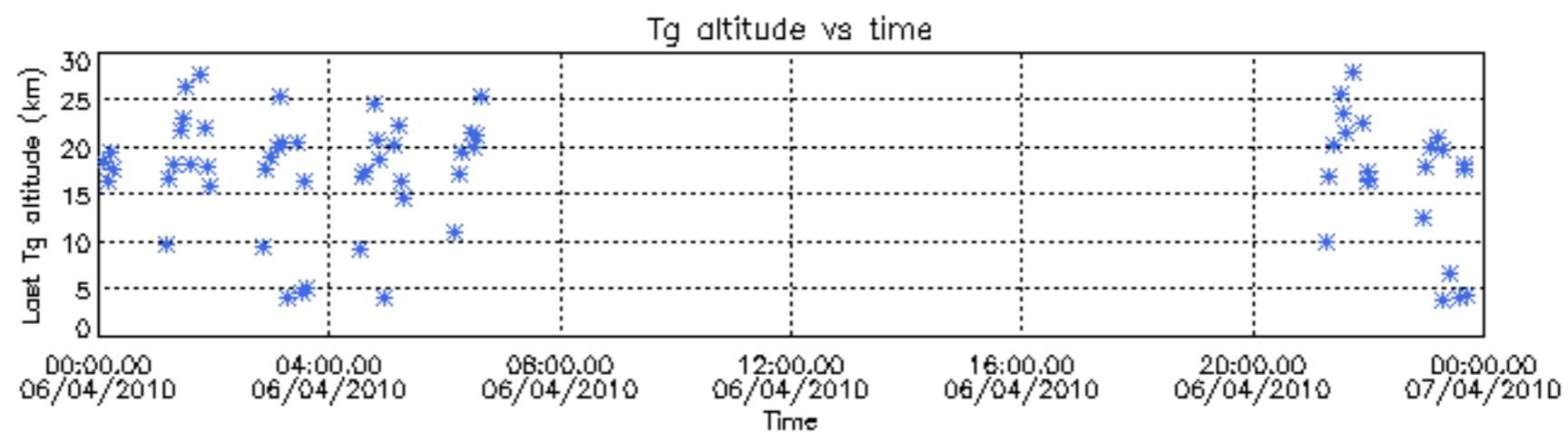


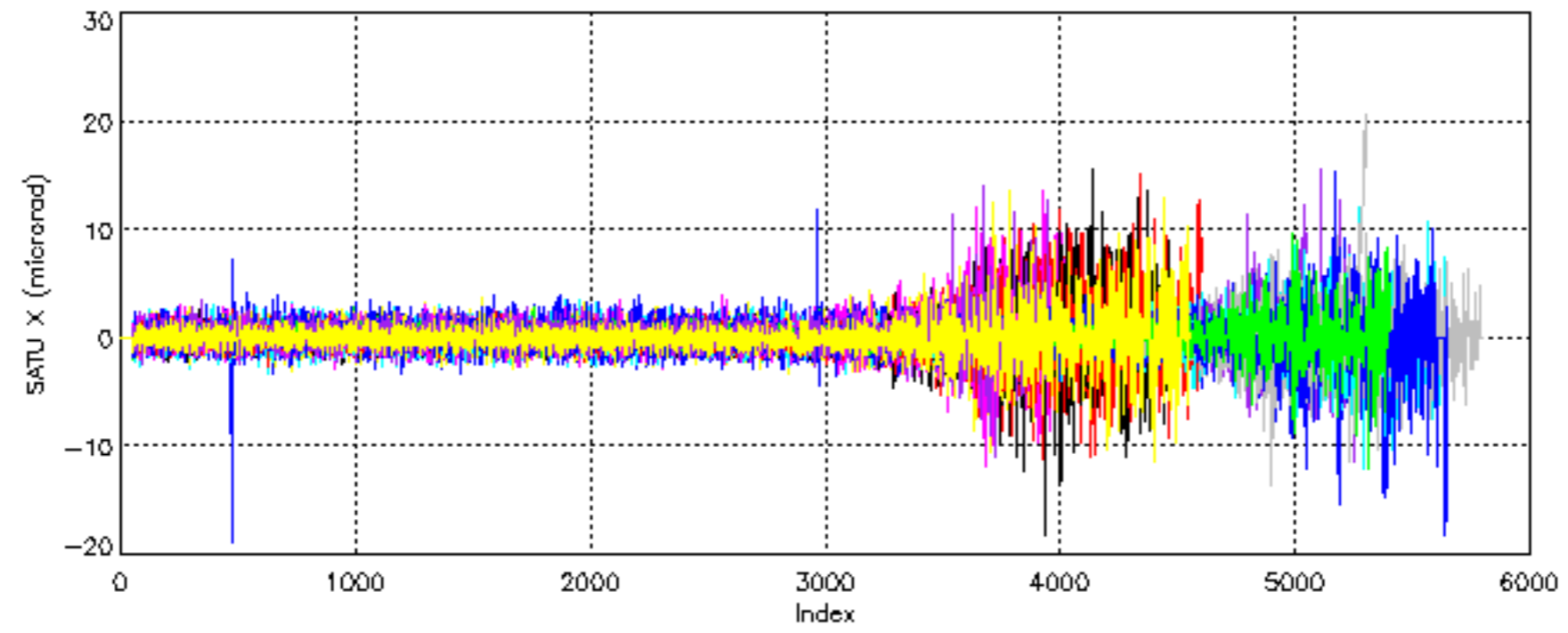


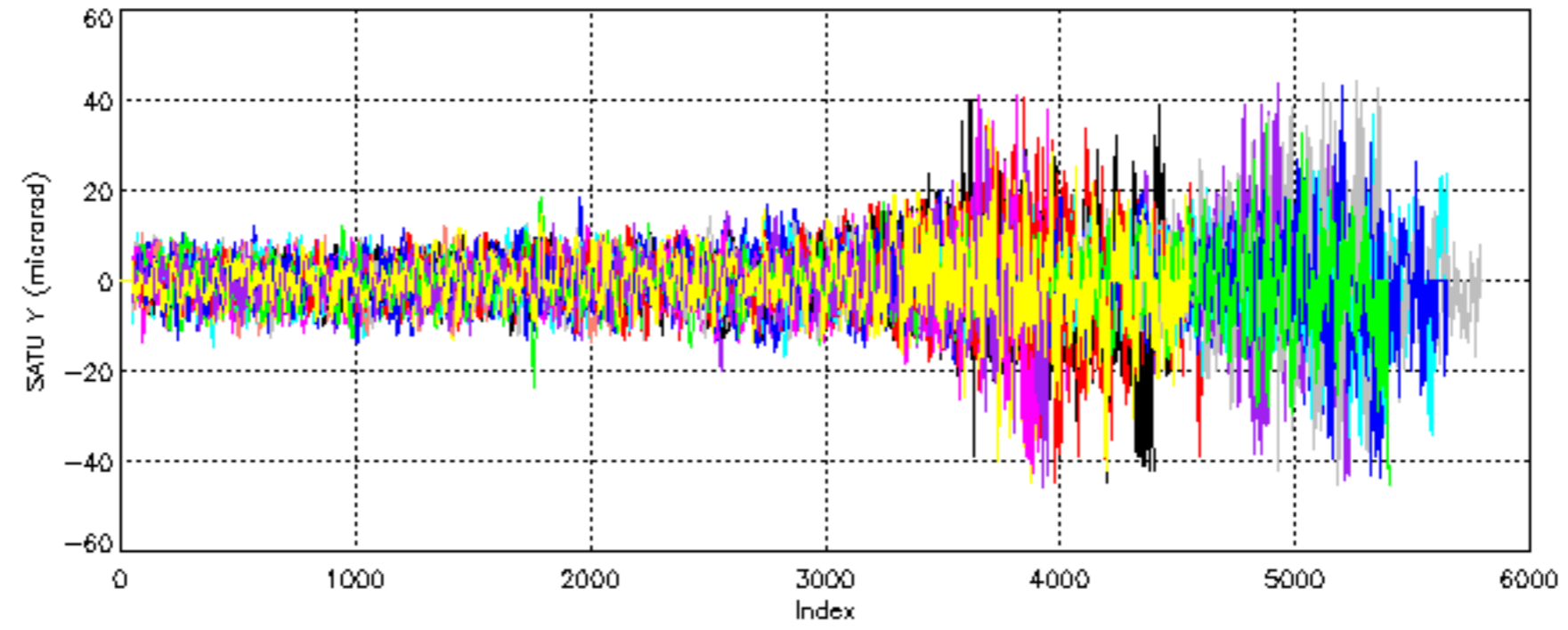
Tangent altitude at which the star is lost



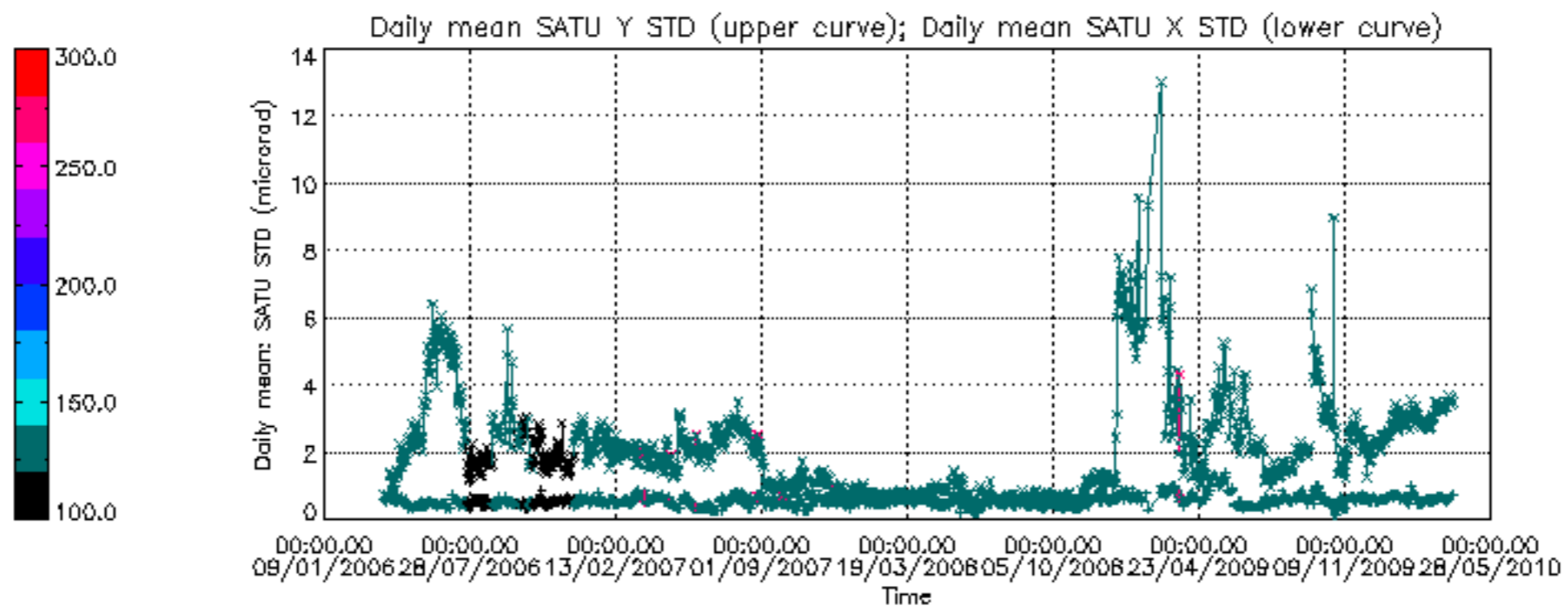
Tangent altitude at which the star is lost











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 4; 515.4; 01-APR-2010 01:46:23; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;42270  
 5; 673.7; 01-APR-2010 01:49:02; Dark ; 54.5; 4; Alp1Cen ;-0.01; 5800;occ; 109; 0;42270  
 6; 838.3; 01-APR-2010 01:51:46; Dark ; 45.5; 78; Alp Lup ; 2.30; 28000;occ; 91; 0;42270  
 7; 934.5; 01-APR-2010 01:53:23; Dark ; 48.0; 81; Eta Cen ; 2.36; 28000;occ; 96; 0;42270  
 8; 1098.8; 01-APR-2010 01:56:07; Dark ; 51.5; 54; 5The Cen ; 2.06; 4500;occ; 103; 0;42270  
 9; 1459.8; 01-APR-2010 02:02:08; Dark ; 46.5; 106; 9Bet Crv ; 2.65; 5600;occ; 93; 0;42270  
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 11; 1883.4; 01-APR-2010 02:09:11; Bright; 45.0; 121; 29Gam Vir ; 2.74; 7200;occ; 90; 0;42270  
 12; 2160.8; 01-APR-2010 02:13:49; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;42270  
 13; 2256.9; 01-APR-2010 02:15:25; Bright; 37.0; 96; 68Del Leo ; 2.56; 9300;occ; 74; 0;42270  
 14; 2666.4; 01-APR-2010 02:22:15; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;42270  
 15; 2848.5; 01-APR-2010 02:25:17; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;42270  
 16; 2958.0; 01-APR-2010 02:27:06; Bright; 35.5; 36; 50Alp UMa ; 1.80; 6300;occ; 71; 0;42270  
 17; 3338.3; 01-APR-2010 02:33:26; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42270

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 2;-1836.2; 01-APR-2010 02:47:48; Bright; 43.5; 144; 18Del Cyg ; 2.86; 11000;occ; 87; 0;42270  
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 7; 66.3; 01-APR-2010 03:19:30; Dark ; 53.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 107; 0;42271  
 8; 294.5; 01-APR-2010 03:23:18; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42271  
 9; 515.9; 01-APR-2010 03:27:00; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;42271  
 10; 674.2; 01-APR-2010 03:29:38; Dark ; 52.5; 4; Alp1Cen ;-0.01; 5800;occ; 105; 0;42271  
 11; 839.0; 01-APR-2010 03:32:23; Dark ; 44.5; 78; Alp Lup ; 2.30; 28000;occ; 89; 0;42271  
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 17; 2160.7; 01-APR-2010 03:54:25; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;42271  
 18; 2257.1; 01-APR-2010 03:56:01; Bright; 37.0; 96; 68Del Leo ; 2.56; 9300;occ; 74; 0;42271  
 19; 2666.3; 01-APR-2010 04:02:50; Bright; 37.5; 174; 52Psi UMa ; 3.00; 4400;occ; 75; 0;42271  
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 21; 2957.9; 01-APR-2010 04:07:42; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;42271  
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 4;-1601.9; 01-APR-2010 04:32:18; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;42271  
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 9; 516.4; 01-APR-2010 05:07:36; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;42272  
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 22; 2958.0; 01-APR-2010 05:48:18; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;42272  
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5; 1688.0; 01-APR-2010 20:32:31; Dark ; 54.0; 15; 67Alp Vir ; 0.98; 28000;occ; 108; 0;42281
6; 1882.1; 01-APR-2010 20:35:46; Bright; 44.0; 121; 29Gam Vir ; 2.74; 7200;occ; 88; 0;42281
7; 2159.5; 01-APR-2010 20:40:23; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;42281
8; 2665.5; 01-APR-2010 20:48:49; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;42281
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11; 3334.8; 01-APR-2010 20:59:58; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;42281
12; 3901.3; 01-APR-2010 21:09:25; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;42281
13; 4198.0; 01-APR-2010 21:14:21; Bright; 47.0; 144; 18Del Cyg ; 2.86; 11000;occ; 94; 0;42281
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3; 80.8; 01-APR-2010 21:46:20; Dark ; 56.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 112; 0;42282
4; 306.4; 01-APR-2010 21:50:06; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;42282
5; 521.6; 01-APR-2010 21:53:41; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;42282
6; 679.4; 01-APR-2010 21:56:19; Dark ; 53.0; 4; Alp1Cen ; -0.01; 5800;occ; 106; 0;42282
7; 845.9; 01-APR-2010 21:59:05; Dark ; 48.0; 78; Alp Lup ; 2.30; 28000;occ; 96; 0;42282
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3; 82.4; 01-APR-2010 23:26:58; Dark ; 55.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 110; 0;42283
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12; 1687.6; 01-APR-2010 23:53:43; Dark ; 60.0; 15; 67Alp Vir ; 0.98; 28000;occ; 120; 0;42283
13; 1881.7; 01-APR-2010 23:56:57; Bright; 45.0; 121; 29Gam Vir ; 2.74; 7200;occ; 90; 0;42283
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16; 2845.7; 02-APR-2010 00:13:01; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;42283
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22; 4435.6; 02-APR-2010 00:39:31; Bright; 44.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 89; 0;42283
23; 4830.0; 02-APR-2010 00:46:05; Dark ; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 0;42283
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 8; 296.4; 01-APR-2010 06:44:32; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42273  
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 4; 2257.0; 01-APR-2010 07:17:13; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;42273  
 5; 2666.2; 01-APR-2010 07:24:02; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;42273  
 6; 2848.1; 01-APR-2010 07:27:04; Bright; 40.0; 87; 64Gam UMa ; 2.43; 11000;occ; 80; 0;42273  
 7; 2957.7; 01-APR-2010 07:28:54; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;42273  
 8; 3337.3; 01-APR-2010 07:35:13; Bright; 58.0; 60; 7Bet UMi ; 2.08; 3950;occ; 116; 0;42273  
 9; 3902.0; 01-APR-2010 07:44:38; Bright; 54.0; 89; 5Alp Cep ; 2.45; 8000;occ; 108; 0;42273  
 10; 4199.1; 01-APR-2010 07:49:35; Bright; 47.5; 144; 18Del Cyg ; 2.86; 11000;occ; 95; 0;42273  
 11; 4312.8; 01-APR-2010 07:51:29; Bright; 44.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 89; 0;42273  
 12; 4434.4; 01-APR-2010 07:53:30; Bright; 44.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 89; 0;42273  
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 15; 6106.7; 01-APR-2010 08:21:23; Dark ; 51.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 103; 0;42274  
 16; 6333.5; 01-APR-2010 08:25:09; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;42274  
 17; 6553.4; 01-APR-2010 08:28:49; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;42274  
 18; 6711.8; 01-APR-2010 08:31:28; Dark ; 53.5; 4; Alp1Cen ; -0.01; 5800;occ; 107; 0;42274  
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 22; 7496.6; 01-APR-2010 08:44:33; Dark ; 45.5; 106; 9Bet Crv ; 2.65; 5600;occ; 91; 0;42274  
 23; 7614.5; 01-APR-2010 08:46:30; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;42274  
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 3; 2160.4; 01-APR-2010 08:56:12; Bright; 40.5; 62; 94Bet Leo ; 2.14; 9700;occ; 81; 0;42274  
 4; 2666.1; 01-APR-2010 09:04:38; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;42274  
 5; 2847.7; 01-APR-2010 09:07:40; Bright; 39.0; 87; 64Gam UMa ; 2.43; 11000;occ; 78; 0;42274  
 6; 2957.7; 01-APR-2010 09:09:30; Bright; 39.5; 36; 50Alp UMa ; 1.80; 6300;occ; 79; 0;42274  
 7; 3337.1; 01-APR-2010 09:15:49; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;42274  
 8; 3901.7; 01-APR-2010 09:25:14; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;42274  
 9; 4199.3; 01-APR-2010 09:30:11; Bright; 48.0; 144; 18Del Cyg ; 2.86; 11000;occ; 96; 0;42274  
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 21; 7497.0; 01-APR-2010 10:25:09; Dark ; 47.5; 106; 9Bet Crv ; 2.65; 5600;occ; 95; 0;42275  
 22; 7614.6; 01-APR-2010 10:27:07; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;42275  
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 3; 2160.3; 01-APR-2010 10:36:48; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;42275  
 4; 2666.1; 01-APR-2010 10:45:14; Bright; 37.5; 174; 52Psi UMa ; 3.00; 4400;occ; 75; 0;42275



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6; 2957.7; 01-APR-2010 10:50:06; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;42275
7; 3336.6; 01-APR-2010 10:56:24; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;42275
8; 3901.8; 01-APR-2010 11:05:50; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;42275
9; 4199.0; 01-APR-2010 11:10:47; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;42275
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7; 2957.4; 01-APR-2010 14:11:17; Bright; 40.5; 36; 50Alp UMa ; 1.80; 6300;occ; 81; 0;42277
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9; 3901.8; 01-APR-2010 14:27:01; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;42277
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20; 6975.6; 01-APR-2010 15:18:15; Dark ; 48.5; 81; Eta Cen ; 2.36; 28000;occ; 97; 0;42278
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/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20100406\_125238\_000055372088\_00210\_42348\_1023.N1

|     |         |             |           |         |       |       |           |           |       |            |            |      |       |       |
|-----|---------|-------------|-----------|---------|-------|-------|-----------|-----------|-------|------------|------------|------|-------|-------|
| 1;  | 1687.6; | 06-APR-2010 | 12:52:38; | Bright; | 54.5; | 15;   | 67Alp Vir | ;         | 0.98; | 28000;occ; | 109;       | 0;   | 42348 |       |
| 2;  | 1876.2; | 06-APR-2010 | 12:55:46; | Bright; | 40.5; | 121;  | 29Gam Vir | ;         | 2.74; | 7200;occ;  | 81;        | 0;   | 42348 |       |
| 3;  | 2155.4; | 06-APR-2010 | 13:00:25; | Bright; | 37.0; | 62;   | 94Bet Leo | ;         | 2.14; | 9700;occ;  | 74;        | 0;   | 42348 |       |
| 4;  | 2638.2; | 06-APR-2010 | 13:08:28; | Bright; | 41.5; | 152;  | 12Alp2CVn | ;         | 2.89; | 11000;occ; | 83;        | 0;   | 42348 |       |
| 5;  | 2833.0; | 06-APR-2010 | 13:11:43; | Bright; | 37.0; | 87;   | 64Gam UMa | ;         | 2.43; | 11000;occ; | 74;        | 0;   | 42348 |       |
| 6;  | 2928.4; | 06-APR-2010 | 13:13:18; | Bright; | 40.5; | 32;   | 77Eps UMa | ;         | 1.76; | 11000;occ; | 81;        | 0;   | 42348 |       |
| 7;  | 3313.0; | 06-APR-2010 | 13:19:43; | Bright; | 37.0; | 60;   | 7Bet UMi  | ;         | 2.08; | 3950;occ;  | 74;        | 0;   | 42348 |       |
| 8;  | 3896.2; | 06-APR-2010 | 13:29:26; | Bright; | 36.0; | 89;   | 5Alp Cep  | ;         | 2.45; | 8000;occ;  | 72;        | 0;   | 42348 |       |
| 9;  | 4209.9; | 06-APR-2010 | 13:34:40; | Bright; | 45.0; | 19;   | 50Alp Cyg | ;         | 1.25; | 10500;occ; | 90;        | 0;   | 42348 |       |
| 10; | 4311.5; | 06-APR-2010 | 13:36:21; | Bright; | 48.5; | 66;   | 37Gam Cyg | ;         | 2.21; | 5900;occ;  | 97;        | 0;   | 42348 |       |
| 11; | 4442.3; | 06-APR-2010 | 13:38:32; | Bright; | 48.0; | 92;   | 53Eps Cyg | ;         | 2.50; | 4500;occ;  | 96;        | 0;   | 42348 |       |
| 12; | 4849.7; | 06-APR-2010 | 13:45:20; | Dark    | ;     | 47.0; | 61;       | 8Eps Peg  | ;     | 2.10;      | 3900;occ;  | 94;  | 0;    | 42348 |
| 13; | 5133.5; | 06-APR-2010 | 13:50:04; | Dark    | ;     | 45.0; | 154;      | 22Bet Aqr | ;     | 2.90;      | 5700;occ;  | 90;  | 0;    | 42348 |
| 14; | 5789.7; | 06-APR-2010 | 14:01:00; | Dark    | ;     | 59.5; | 0;        | ;         | 0.00; | 0;occ;     | 119;       | 0;   | 42348 |       |
| 15; | 5990.5; | 06-APR-2010 | 14:04:20; | Dark    | ;     | 55.0; | 103;      | 38Zet Sgr | ;     | 2.60;      | 9700;occ;  | 110; | 0;    | 42348 |
| 16; | 6417.9; | 06-APR-2010 | 14:11:28; | Dark    | ;     | 50.5; | 40;       | The Sco   | ;     | 1.86;      | 7100;occ;  | 101; | 0;    | 42349 |
| 17; | 6591.4; | 06-APR-2010 | 14:14:21; | Dark    | ;     | 39.5; | 134;      | Bet TrA   | ;     | 2.81;      | 6600;occ;  | 79;  | 0;    | 42349 |
| 18; | 6921.1; | 06-APR-2010 | 14:19:51; | Dark    | ;     | 44.0; | 78;       | Alp Lup   | ;     | 2.30;      | 28000;occ; | 88;  | 0;    | 42349 |
| 19; | 7018.0; | 06-APR-2010 | 14:21:28; | Dark    | ;     | 43.5; | 81;       | Eta Cen   | ;     | 2.36;      | 28000;occ; | 87;  | 0;    | 42349 |
| 20; | 7173.4; | 06-APR-2010 | 14:24:03; | Dark    | ;     | 51.5; | 54;       | 5The Cen  | ;     | 2.06;      | 4500;occ;  | 103; | 0;    | 42349 |

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20100406\_142941\_000057502088\_00211\_42349\_1024.N1

|     |         |             |           |         |       |       |           |           |       |            |            |      |       |       |
|-----|---------|-------------|-----------|---------|-------|-------|-----------|-----------|-------|------------|------------|------|-------|-------|
| 1;  | 1475.0; | 06-APR-2010 | 14:29:41; | Dark    | ;     | 44.5; | 106;      | 9Bet Crv  | ;     | 2.65;      | 5600;occ;  | 89;  | 0;    | 42349 |
| 2;  | 1588.8; | 06-APR-2010 | 14:31:35; | Dark    | ;     | 40.5; | 100;      | 4Gam Crv  | ;     | 2.58;      | 13100;occ; | 81;  | 0;    | 42349 |
| 3;  | 1687.7; | 06-APR-2010 | 14:33:14; | Bright; | 52.0; | 15;   | 67Alp Vir | ;         | 0.98; | 28000;occ; | 104;       | 0;   | 42349 |       |
| 4;  | 1876.5; | 06-APR-2010 | 14:36:22; | Bright; | 42.5; | 121;  | 29Gam Vir | ;         | 2.74; | 7200;occ;  | 85;        | 0;   | 42349 |       |
| 5;  | 2155.3; | 06-APR-2010 | 14:41:01; | Bright; | 38.5; | 62;   | 94Bet Leo | ;         | 2.14; | 9700;occ;  | 77;        | 0;   | 42349 |       |
| 6;  | 2637.6; | 06-APR-2010 | 14:49:03; | Bright; | 40.0; | 152;  | 12Alp2CVn | ;         | 2.89; | 11000;occ; | 80;        | 0;   | 42349 |       |
| 7;  | 2832.9; | 06-APR-2010 | 14:52:19; | Bright; | 37.0; | 87;   | 64Gam UMa | ;         | 2.43; | 11000;occ; | 74;        | 0;   | 42349 |       |
| 8;  | 2928.1; | 06-APR-2010 | 14:53:54; | Bright; | 39.0; | 32;   | 77Eps UMa | ;         | 1.76; | 11000;occ; | 78;        | 0;   | 42349 |       |
| 9;  | 3312.6; | 06-APR-2010 | 15:00:18; | Bright; | 39.5; | 60;   | 7Bet UMi  | ;         | 2.08; | 3950;occ;  | 79;        | 0;   | 42349 |       |
| 10; | 3896.2; | 06-APR-2010 | 15:10:02; | Bright; | 38.5; | 89;   | 5Alp Cep  | ;         | 2.45; | 8000;occ;  | 77;        | 0;   | 42349 |       |
| 11; | 4210.1; | 06-APR-2010 | 15:15:16; | Bright; | 47.5; | 19;   | 50Alp Cyg | ;         | 1.25; | 10500;occ; | 95;        | 0;   | 42349 |       |
| 12; | 4311.6; | 06-APR-2010 | 15:16:57; | Bright; | 62.0; | 66;   | 37Gam Cyg | ;         | 2.21; | 5900;occ;  | 124;       | 0;   | 42349 |       |
| 13; | 4442.6; | 06-APR-2010 | 15:19:08; | Bright; | 45.5; | 92;   | 53Eps Cyg | ;         | 2.50; | 4500;occ;  | 91;        | 0;   | 42349 |       |
| 14; | 4850.3; | 06-APR-2010 | 15:25:56; | Dark    | ;     | 47.5; | 61;       | 8Eps Peg  | ;     | 2.10;      | 3900;occ;  | 95;  | 0;    | 42349 |
| 15; | 5134.0; | 06-APR-2010 | 15:30:40; | Dark    | ;     | 45.5; | 154;      | 22Bet Aqr | ;     | 2.90;      | 5700;occ;  | 91;  | 0;    | 42349 |
| 16; | 5790.7; | 06-APR-2010 | 15:41:37; | Dark    | ;     | 59.5; | 0;        | ;         | 0.00; | 0;occ;     | 119;       | 0;   | 42349 |       |
| 17; | 5992.0; | 06-APR-2010 | 15:44:58; | Dark    | ;     | 55.5; | 103;      | 38Zet Sgr | ;     | 2.60;      | 9700;occ;  | 111; | 0;    | 42349 |
| 18; | 6419.1; | 06-APR-2010 | 15:52:05; | Dark    | ;     | 51.0; | 40;       | The Sco   | ;     | 1.86;      | 7100;occ;  | 102; | 0;    | 42350 |
| 19; | 6592.1; | 06-APR-2010 | 15:54:58; | Dark    | ;     | 38.5; | 134;      | Bet TrA   | ;     | 2.81;      | 6600;occ;  | 77;  | 0;    | 42350 |
| 20; | 6921.8; | 06-APR-2010 | 16:00:28; | Dark    | ;     | 43.0; | 78;       | Alp Lup   | ;     | 2.30;      | 28000;occ; | 86;  | 0;    | 42350 |
| 21; | 7018.7; | 06-APR-2010 | 16:02:05; | Dark    | ;     | 45.0; | 81;       | Eta Cen   | ;     | 2.36;      | 28000;occ; | 90;  | 0;    | 42350 |
| 22; | 7173.9; | 06-APR-2010 | 16:04:40; | Dark    | ;     | 52.0; | 54;       | 5The Cen  | ;     | 2.06;      | 4500;occ;  | 104; | 0;    | 42350 |

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20100406\_160500\_000060582088\_00212\_42350\_1025.N1

|     |         |             |           |         |       |       |           |           |       |            |            |      |       |       |
|-----|---------|-------------|-----------|---------|-------|-------|-----------|-----------|-------|------------|------------|------|-------|-------|
| 1;  | 1158.4; | 06-APR-2010 | 16:05:00; | Dark    | ;     | 52.5; | 54;       | 5The Cen  | ;     | 2.06;      | 4500;occ;  | 105; | 41;   | 42350 |
| 2;  | 1475.1; | 06-APR-2010 | 16:10:17; | Dark    | ;     | 44.0; | 106;      | 9Bet Crv  | ;     | 2.65;      | 5600;occ;  | 88;  | 0;    | 42350 |
| 3;  | 1589.2; | 06-APR-2010 | 16:12:11; | Dark    | ;     | 43.5; | 100;      | 4Gam Crv  | ;     | 2.58;      | 13100;occ; | 87;  | 0;    | 42350 |
| 4;  | 1687.7; | 06-APR-2010 | 16:13:50; | Bright; | 53.0; | 15;   | 67Alp Vir | ;         | 0.98; | 28000;occ; | 106;       | 0;   | 42350 |       |
| 5;  | 1876.5; | 06-APR-2010 | 16:16:58; | Bright; | 41.0; | 121;  | 29Gam Vir | ;         | 2.74; | 7200;occ;  | 82;        | 0;   | 42350 |       |
| 6;  | 2155.2; | 06-APR-2010 | 16:21:37; | Bright; | 37.5; | 62;   | 94Bet Leo | ;         | 2.14; | 9700;occ;  | 75;        | 0;   | 42350 |       |
| 7;  | 2637.4; | 06-APR-2010 | 16:29:39; | Bright; | 40.0; | 152;  | 12Alp2CVn | ;         | 2.89; | 11000;occ; | 80;        | 0;   | 42350 |       |
| 8;  | 2832.8; | 06-APR-2010 | 16:32:55; | Bright; | 37.0; | 87;   | 64Gam UMa | ;         | 2.43; | 11000;occ; | 74;        | 0;   | 42350 |       |
| 9;  | 2927.7; | 06-APR-2010 | 16:34:30; | Bright; | 41.0; | 32;   | 77Eps UMa | ;         | 1.76; | 11000;occ; | 82;        | 0;   | 42350 |       |
| 10; | 3312.3; | 06-APR-2010 | 16:40:54; | Bright; | 38.5; | 60;   | 7Bet UMi  | ;         | 2.08; | 3950;occ;  | 77;        | 0;   | 42350 |       |
| 11; | 3895.8; | 06-APR-2010 | 16:50:38; | Bright; | 38.0; | 89;   | 5Alp Cep  | ;         | 2.45; | 8000;occ;  | 76;        | 0;   | 42350 |       |
| 12; | 4209.8; | 06-APR-2010 | 16:55:52; | Bright; | 42.5; | 19;   | 50Alp Cyg | ;         | 1.25; | 10500;occ; | 85;        | 0;   | 42350 |       |
| 13; | 4311.3; | 06-APR-2010 | 16:57:33; | Bright; | 50.5; | 66;   | 37Gam Cyg | ;         | 2.21; | 5900;occ;  | 101;       | 0;   | 42350 |       |
| 14; | 4442.7; | 06-APR-2010 | 16:59:45; | Bright; | 46.5; | 92;   | 53Eps Cyg | ;         | 2.50; | 4500;occ;  | 93;        | 0;   | 42350 |       |
| 15; | 4850.5; | 06-APR-2010 | 17:06:32; | Dark    | ;     | 46.0; | 61;       | 8Eps Peg  | ;     | 2.10;      | 3900;occ;  | 92;  | 0;    | 42350 |
| 16; | 5134.2; | 06-APR-2010 | 17:11:16; | Dark    | ;     | 45.5; | 154;      | 22Bet Aqr | ;     | 2.90;      | 5700;occ;  | 91;  | 0;    | 42350 |
| 17; | 5791.6; | 06-APR-2010 | 17:22:13; | Dark    | ;     | 59.5; | 0;        | ;         | 0.00; | 0;occ;     | 119;       | 0;   | 42350 |       |
| 18; | 6419.9; | 06-APR-2010 | 17:32:42; | Dark    | ;     | 51.0; | 40;       | The Sco   | ;     | 1.86;      | 7100;occ;  | 102; | 0;    | 42351 |
| 19; | 6592.4; | 06-APR-2010 | 17:35:34; | Dark    | ;     | 38.0; | 134;      | Bet TrA   | ;     | 2.81;      | 6600;occ;  | 76;  | 0;    | 42351 |
| 20; | 6922.4; | 06-APR-2010 | 17:41:04; | Dark    | ;     | 45.5; | 78;       | Alp Lup   | ;     | 2.30;      | 28000;occ; | 91;  | 0;    | 42351 |
| 21; | 7019.2; | 06-APR-2010 | 17:42:41; | Dark    | ;     | 44.5; | 81;       | Eta Cen   | ;     | 2.36;      | 28000;occ; | 89;  | 0;    | 42351 |
| 22; | 7174.3; | 06-APR-2010 | 17:45:16; | Dark    | ;     | 42.5; | 54;       | 5The Cen  | ;     | 2.06;      | 4500;occ;  | 85;  | 0;    | 42351 |

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20100406\_174516\_000059262088\_00213\_42351\_1026.N1



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2; 1475.3; 06-APR-2010 17:50:53; Dark ; 44.0; 106; 9Bet Crv ; 2.65; 5600;occ; 88; 0;42351
3; 1589.3; 06-APR-2010 17:52:47; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;42351
4; 1687.8; 06-APR-2010 17:54:26; Bright; 51.5; 15; 67Alp Vir ; 0.98; 28000;occ; 103; 0;42351
5; 1876.2; 06-APR-2010 17:57:34; Bright; 41.0; 121; 29Gam Vir ; 2.74; 7200;occ; 82; 0;42351
6; 2155.4; 06-APR-2010 18:02:13; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;42351
7; 2636.7; 06-APR-2010 18:10:15; Bright; 42.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 85; 0;42351
8; 2832.8; 06-APR-2010 18:13:31; Bright; 54.0; 87; 64Gam UMa ; 2.43; 11000;occ; 108; 0;42351
9; 2927.3; 06-APR-2010 18:15:05; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;42351
10; 3312.0; 06-APR-2010 18:21:30; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;42351
11; 3895.8; 06-APR-2010 18:31:14; Bright; 55.0; 89; 5Alp Cep ; 2.45; 8000;occ; 110; 0;42351
12; 4209.7; 06-APR-2010 18:36:28; Bright; 43.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 86; 0;42351
13; 4311.4; 06-APR-2010 18:38:09; Bright; 47.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 95; 0;42351
14; 4442.5; 06-APR-2010 18:40:20; Bright; 46.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 93; 0;42351
15; 4850.5; 06-APR-2010 18:47:08; Dark ; 48.0; 61; 8Eps Peg ; 2.10; 3900;occ; 96; 0;42351
16; 5134.9; 06-APR-2010 18:51:53; Dark ; 45.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 90; 0;42351
17; 5792.6; 06-APR-2010 19:02:50; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;42351
18; 6421.3; 06-APR-2010 19:13:19; Dark ; 52.0; 40; The Sco ; 1.86; 7100;occ; 104; 0;42352
19; 6592.9; 06-APR-2010 19:16:11; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;42352
20; 6923.1; 06-APR-2010 19:21:41; Dark ; 44.5; 78; Alp Lup ; 2.30; 28000;occ; 89; 0;42352
21; 7019.7; 06-APR-2010 19:23:18; Dark ; 45.5; 81; Eta Cen ; 2.36; 28000;occ; 91; 0;42352
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1; 983.7; 06-APR-2010 19:23:18; Dark ; 46.0; 81; Eta Cen ; 2.36; 28000;occ; 92; 0;42352
2; 1138.5; 06-APR-2010 19:25:52; Dark ; 51.0; 54; 5The Cen ; 2.06; 4500;occ; 102; 0;42352
3; 1475.6; 06-APR-2010 19:31:29; Dark ; 45.0; 106; 9Bet Crv ; 2.65; 5600;occ; 90; 0;42352
4; 1589.4; 06-APR-2010 19:33:23; Dark ; 43.5; 100; 4Gam Crv ; 2.58; 13100;occ; 87; 0;42352
5; 1687.8; 06-APR-2010 19:35:02; Bright; 51.5; 15; 67Alp Vir ; 0.98; 28000;occ; 103; 0;42352
6; 1876.2; 06-APR-2010 19:38:10; Bright; 41.0; 121; 29Gam Vir ; 2.74; 7200;occ; 82; 0;42352
7; 2155.2; 06-APR-2010 19:42:49; Bright; 37.0; 62; 94Bet Leo ; 2.14; 9700;occ; 74; 0;42352
8; 2636.4; 06-APR-2010 19:50:50; Bright; 41.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 83; 0;42352
9; 2832.4; 06-APR-2010 19:54:06; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;42352
10; 2927.1; 06-APR-2010 19:55:41; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;42352
11; 3311.5; 06-APR-2010 20:02:05; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;42352
12; 3895.5; 06-APR-2010 20:11:49; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;42352
13; 4209.5; 06-APR-2010 20:17:03; Bright; 45.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 91; 0;42352
14; 4311.2; 06-APR-2010 20:18:45; Bright; 47.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 95; 0;42352
15; 4442.9; 06-APR-2010 20:20:57; Bright; 64.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 128; 0;42352
16; 4851.0; 06-APR-2010 20:27:45; Dark ; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 0;42352
17; 5135.3; 06-APR-2010 20:32:29; Dark ; 45.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 91; 0;42352
18; 5793.4; 06-APR-2010 20:43:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42352
19; 5995.9; 06-APR-2010 20:46:50; Dark ; 55.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 111; 0;42352
20; 6422.0; 06-APR-2010 20:53:56; Dark ; 54.0; 40; The Sco ; 1.86; 7100;occ; 108; 0;42353
21; 6593.3; 06-APR-2010 20:56:47; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;42353
22; 6923.4; 06-APR-2010 21:02:17; Dark ; 44.0; 78; Alp Lup ; 2.30; 28000;occ; 88; 0;42353
23; 7019.9; 06-APR-2010 21:03:54; Dark ; 48.5; 81; Eta Cen ; 2.36; 28000;occ; 97; 0;42353
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100406_210416_000041732088_00215_42353_9814.N1
1; 1006.0; 06-APR-2010 21:04:16; Dark ; 49.0; 81; Eta Cen ; 2.36; 28000;occ; 98; 44;42353
2; 1139.1; 06-APR-2010 21:06:29; Dark ; 51.0; 54; 5The Cen ; 2.06; 4500;occ; 102; 0;42353
3; 1475.6; 06-APR-2010 21:12:05; Dark ; 44.0; 106; 9Bet Crv ; 2.65; 5600;occ; 88; 0;42353
4; 1589.4; 06-APR-2010 21:13:59; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;42353
5; 1687.6; 06-APR-2010 21:15:37; Bright; 55.5; 15; 67Alp Vir ; 0.98; 28000;occ; 111; 0;42353
6; 1876.1; 06-APR-2010 21:18:46; Bright; 42.5; 121; 29Gam Vir ; 2.74; 7200;occ; 85; 0;42353
7; 2155.2; 06-APR-2010 21:23:25; Bright; 37.0; 62; 94Bet Leo ; 2.14; 9700;occ; 74; 0;42353
8; 2635.8; 06-APR-2010 21:31:26; Bright; 39.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 79; 0;42353
9; 2832.1; 06-APR-2010 21:34:42; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;42353
10; 2926.6; 06-APR-2010 21:36:16; Bright; 39.5; 32; 77Eps UMa ; 1.76; 11000;occ; 79; 0;42353
11; 3311.1; 06-APR-2010 21:42:41; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;42353
12; 3895.4; 06-APR-2010 21:52:25; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;42353
13; 4209.4; 06-APR-2010 21:57:39; Bright; 46.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 92; 0;42353
14; 4311.2; 06-APR-2010 21:59:21; Bright; 48.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 97; 0;42353
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7; 691.2; 26-APR-2010 22:10:50; Dark ; 22.5; 40; The Sco ; 1.86; 7100;occ; 45; 0;42640

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8; 2562.3; 26-APR-2010 21:01:25; Bright; 36.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 72; 0;42639  
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10; 2786.9; 26-APR-2010 21:05:10; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;42639  
11; 3232.3; 26-APR-2010 21:12:35; Bright; 55.0; 60; 7Bet UMi ; 2.08; 3950;occ; 110; 0;42639  
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13; 4498.7; 26-APR-2010 21:33:42; Bright; 58.0; 164; 44Eta Peg ; 2.95; 5400;occ; 116; 0;42639  
14; 4755.3; 26-APR-2010 21:37:58; Dark ; 44.0; 90; 54Alp Peg ; 2.49; 11000;occ; 88; 0;42639  
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13; 2786.4; 26-APR-2010 22:45:45; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42640
14; 3232.1; 26-APR-2010 22:53:11; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42640
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22; 2786.3; 27-APR-2010 00:26:21; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42641
23; 3231.7; 27-APR-2010 00:33:46; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;42641
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3; 1243.4; 27-APR-2010 20:07:49; Dark ; 45.5; 54; 5The Cen ; 2.06; 4500;occ; 91; 0;42653
4; 1585.1; 27-APR-2010 20:13:31; Bright; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;42653
5; 1706.5; 27-APR-2010 20:15:32; Bright; 40.0; 15; 67Alp Vir ; 0.98; 28000;occ; 80; 0;42653
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8; 2660.5; 27-APR-2010 20:31:26; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;42653
9; 2782.7; 27-APR-2010 20:33:28; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42653
10; 3229.2; 27-APR-2010 20:40:55; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;42653
11; 3841.7; 27-APR-2010 20:51:07; Bright; 41.5; 89; 5Alp Cep ; 2.45; 8000;occ; 83; 0;42653
12; 4500.8; 27-APR-2010 21:02:07; Bright; 44.5; 164; 44Eta Peg ; 2.95; 5400;occ; 89; 0;42653
13; 4759.7; 27-APR-2010 21:06:25; Dark ; 43.5; 90; 54Alp Peg ; 2.49; 11000;occ; 87; 0;42653
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4; 150.7; 27-APR-2010 21:30:12; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;42654
5; 606.0; 27-APR-2010 21:37:48; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42654
6; 704.6; 27-APR-2010 21:39:26; Dark ; 57.0; 40; The Sco ; 1.86; 7100;occ; 114; 0;42654
7; 1021.5; 27-APR-2010 21:44:43; Dark ; 42.5; 78; Alp Lup ; 2.30; 28000;occ; 85; 0;42654
8; 1115.0; 27-APR-2010 21:46:17; Dark ; 43.5; 81; Eta Cen ; 2.36; 28000;occ; 87; 0;42654
9; 1243.4; 27-APR-2010 21:48:25; Dark ; 42.5; 54; 5The Cen ; 2.06; 4500;occ; 85; 0;42654
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12; 2242.8; 27-APR-2010 22:05:04; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;42654

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 18; 3841.4; 27-APR-2010 22:31:43; Bright; 42.0; 89; 5Alp Cep ; 2.45; 8000;occ; 84; 0;42654  
 19; 4501.0; 27-APR-2010 22:42:43; Bright; 43.0; 164; 44Eta Peg ; 2.95; 5400;occ; 86; 0;42654  
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 22; 5143.3; 27-APR-2010 22:53:25; Dark ; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;42654  
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 13; 2242.4; 27-APR-2010 23:45:40; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;42655  
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 16; 2782.2; 27-APR-2010 23:54:40; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;42655  
 17; 2860.9; 27-APR-2010 23:55:58; Bright; 35.0; 32; 77Eps UMa ; 1.76; 11000;occ; 70; 0;42655  
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