

GOMOS Daily Report 31-JUL-2011

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 | 04AUG2011 07:07:12 |
| Data source version | GOMOS/6.01 |
| Start time of products | 31JUL2011 00:06:03 |
| Stop time of products | 31JUL2011 23:58:05 |
| Store outputs in DB | Yes |
| Nb of level 1b prods | 287 |
| Nb of prods with errors | 0 |

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

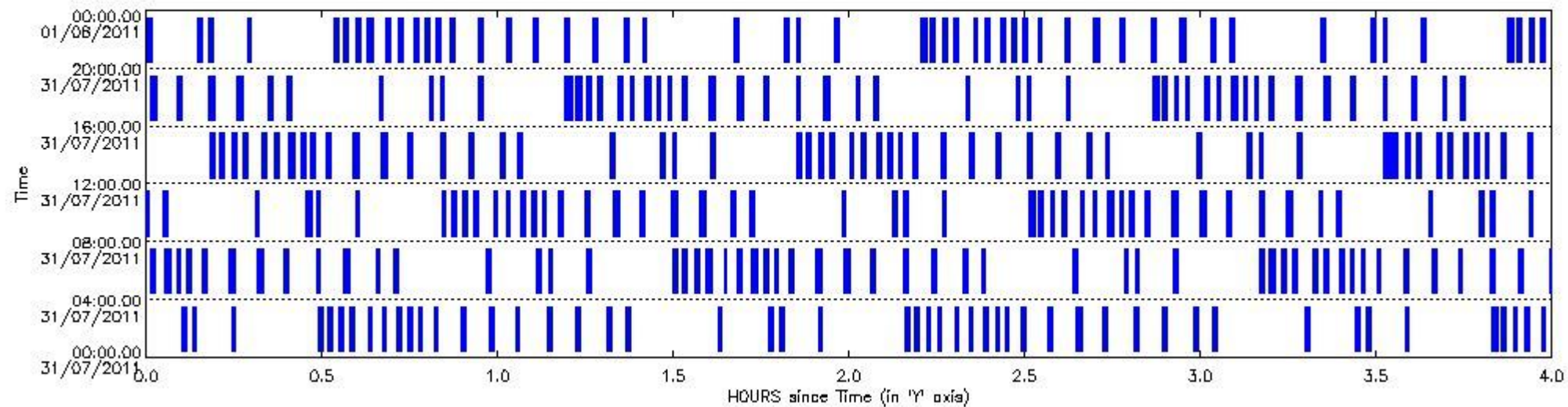
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

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_1PNPDE20110731_000603_000000443105_00088_49240_9436.N1 | 31-JUL-2011 00:06:03 | Bright | 44.000 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 88 | 49240 | No |
| 2 | GOM_TRA_1PNPDE20110731_000758_000000373105_00088_49240_9437.N1 | 31-JUL-2011 00:07:58 | Bright | 37.000 | 144 | 18Del Cyg | 2.8600 | 11000. | 74 | 49240 | No |
| 3 | GOM_TRA_1PNPDE20110731_001432_000000373105_00088_49240_9438.N1 | 31-JUL-2011 00:14:32 | Bright | 37.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 74 | 49240 | No |
| 4 | GOM_TRA_1PNPDE20110731_002916_000000473105_00088_49240_9439.N1 | 31-JUL-2011 00:29:16 | Bright | 47.000 | 160 | 23Gam Per | 2.9300 | 4700.0 | 94 | 49240 | No |
| 5 | GOM_TRA_1PNPDE20110731_003054_000000493105_00088_49240_9440.N1 | 31-JUL-2011 00:30:54 | Bright | 48.500 | 35 | 33Alp Per | 1.7950 | 6250.0 | 97 | 49240 | No |
| 6 | GOM_TRA_1PNPDE20110731_003257_000000423105_00088_49240_9441.N1 | 31-JUL-2011 00:32:57 | Bright | 42.000 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 84 | 49240 | No |
| 7 | GOM_TRA_1PNPDE20110731_003450_000000443105_00088_49240_9442.N1 | 31-JUL-2011 00:34:50 | Bright | 44.000 | 149 | 45Eps Per | 2.8880 | 30000. | 88 | 49240 | No |
| 8 | GOM_TRA_1PNPDE20110731_003754_000000343105_00088_49240_9443.N1 | 31-JUL-2011 00:37:54 | Twilight | 34.000 | 150 | 44Zet Per | 2.8900 | 28000. | 68 | 49240 | No |
| 9 | GOM_TRA_1PNPDE20110731_004014_000000403105_00088_49240_9444.N1 | 31-JUL-2011 00:40:14 | Twilight | 40.000 | 176 | 23Zet Tau | 3.0200 | 22000. | 80 | 49240 | No |
| 10 | GOM_TRA_1PNPDE20110731_004242_000000543105_00088_49240_9445.N1 | 31-JUL-2011 00:42:42 | Dark | 54.000 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 108 | 49240 | No |
| 11 | GOM_TRA_1PNPDE20110731_004443_000000403105_00088_49240_9446.N1 | 31-JUL-2011 00:44:43 | Dark | 39.500 | 27 | 24Gam Ori | 1.6360 | 26000. | 79 | 49240 | No |
| 12 | GOM_TRA_1PNPDE20110731_004628_000000393105_00088_49240_9447.N1 | 31-JUL-2011 00:46:28 | Dark | 38.500 | 72 | 34Del Ori | 2.2500 | 30000. | 77 | 49240 | No |

| | | | | | | | | | | | |
|----|--|----------------------|---------------|--------|-----|-----------|----------|--------|-----|-------|----|
| 13 | GOM_TRA_1PNPDE20110731_004905_000000433105_00088_49240_9448.N1 | 31-JUL-2011 00:49:05 | Dark | 43.000 | 7 | 19Bet Ori | 0.10000 | 14000. | 86 | 49240 | No |
| 14 | GOM_TRA_1PNPDE20110731_005337_000000553105_00088_49240_9447.N1 | 31-JUL-2011 00:53:37 | Dark | 54.500 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 109 | 49240 | No |
| 15 | GOM_TRA_1PNPDE20110731_010300_000000473105_00088_49240_9448.N1 | 31-JUL-2011 01:03:00 | Dark | 46.500 | 157 | The1Eri | 2.9060 | 9300.0 | 93 | 49240 | No |
| 16 | GOM_TRA_1PNPDE20110731_010831_000000443105_00089_49241_9449.N1 | 31-JUL-2011 01:08:31 | Dark | 43.500 | 9 | Alp Eri | 0.45300 | 24000. | 87 | 49241 | No |
| 17 | GOM_TRA_1PNPDE20110731_011314_000000543105_00089_49241_9450.N1 | 31-JUL-2011 01:13:14 | Straylight | 54.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 108 | 49241 | No |
| 18 | GOM_TRA_1PNPDE20110731_011841_000000433105_00089_49241_9451.N1 | 31-JUL-2011 01:18:41 | Straylight | 42.500 | 31 | Alp Gru | 1.7340 | 15200. | 85 | 49241 | No |
| 19 | GOM_TRA_1PNPDE20110731_012149_000000463105_00089_49241_9452.N1 | 31-JUL-2011 01:21:49 | Straylight | 45.500 | 172 | Gam Gru | 3.0030 | 13100. | 91 | 49241 | No |
| 20 | GOM_TRA_1PNPDE20110731_013738_000000393105_00089_49241_9453.N1 | 31-JUL-2011 01:37:38 | Bright | 38.500 | 11 | 53Alp Aql | 0.76500 | 8000.0 | 77 | 49241 | No |
| 21 | GOM_TRA_1PNPDE20110731_014616_000000463105_00089_49241_9454.N1 | 31-JUL-2011 01:46:16 | Bright | 45.500 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 91 | 49241 | No |
| 22 | GOM_TRA_1PNPDE20110731_014811_000000383105_00089_49241_9455.N1 | 31-JUL-2011 01:48:11 | Bright | 38.000 | 144 | 18Del Cyg | 2.8600 | 11000. | 76 | 49241 | No |
| 23 | GOM_TRA_1PNPDE20110731_015446_000000423105_00089_49241_9456.N1 | 31-JUL-2011 01:54:46 | Bright | 41.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 83 | 49241 | No |
| 24 | GOM_TRA_1PNPDE20110731_020929_000000513105_00089_49241_9457.N1 | 31-JUL-2011 02:09:29 | Bright | 51.000 | 160 | 23Gam Per | 2.9300 | 4700.0 | 102 | 49241 | No |
| 25 | GOM_TRA_1PNPDE20110731_021108_000000483105_00089_49241_9458.N1 | 31-JUL-2011 02:11:08 | Bright | 47.500 | 35 | 33Alp Per | 1.7950 | 6250.0 | 95 | 49241 | No |
| 26 | GOM_TRA_1PNPDE20110731_021311_000000443105_00089_49241_9459.N1 | 31-JUL-2011 02:13:11 | Bright | 44.000 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 88 | 49241 | No |
| 27 | GOM_TRA_1PNPDE20110731_021504_000000443105_00089_49241_9460.N1 | 31-JUL-2011 02:15:04 | Bright | 43.500 | 149 | 45Eps Per | 2.8880 | 30000. | 87 | 49241 | No |
| 28 | GOM_TRA_1PNPDE20110731_021808_000000343105_00089_49241_9461.N1 | 31-JUL-2011 02:18:08 | Twi_and_stray | 34.000 | 150 | 44Zet Per | 2.8900 | 28000. | 68 | 49241 | No |
| 29 | GOM_TRA_1PNPDE20110731_022028_000000383105_00089_49241_9462.N1 | 31-JUL-2011 02:20:28 | Twi_and_stray | 38.000 | 176 | 23Zet Tau | 3.0200 | 22000. | 76 | 49241 | No |
| 30 | GOM_TRA_1PNPDE20110731_022256_000000493105_00089_49241_9463.N1 | 31-JUL-2011 02:22:56 | Dark | 49.000 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 98 | 49241 | No |
| 31 | GOM_TRA_1PNPDE20110731_022457_000000403105_00089_49241_9464.N1 | 31-JUL-2011 02:24:57 | Dark | 39.500 | 27 | 24Gam Ori | 1.6360 | 26000. | 79 | 49241 | No |
| 32 | GOM_TRA_1PNPDE20110731_022642_000000393105_00089_49241_9465.N1 | 31-JUL-2011 02:26:42 | Dark | 39.000 | 72 | 34Del Ori | 2.2500 | 30000. | 78 | 49241 | No |
| 33 | GOM_TRA_1PNPDE20110731_022919_000000453105_00089_49241_9476.N1 | 31-JUL-2011 02:29:19 | Dark | 44.500 | 7 | 19Bet Ori | 0.10000 | 14000. | 89 | 49241 | No |
| 34 | GOM_TRA_1PNPDE20110731_023351_000000573105_00089_49241_9477.N1 | 31-JUL-2011 02:33:51 | Dark | 56.500 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 113 | 49241 | No |
| 35 | GOM_TRA_1PNPDE20110731_024315_000000463105_00089_49241_9478.N1 | 31-JUL-2011 02:43:15 | Dark | 46.000 | 157 | The1Eri | 2.9060 | 9300.0 | 92 | 49241 | No |
| 36 | GOM_TRA_1PNPDE20110731_024845_000000443105_00090_49242_9479.N1 | 31-JUL-2011 02:48:45 | Dark | 44.000 | 9 | Alp Eri | 0.45300 | 24000. | 88 | 49242 | No |
| 37 | GOM_TRA_1PNPDE20110731_025329_000000543105_00090_49242_9480.N1 | 31-JUL-2011 02:53:29 | Straylight | 54.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 108 | 49242 | No |
| 38 | GOM_TRA_1PNPDE20110731_025856_000000443105_00090_49242_9481.N1 | 31-JUL-2011 02:58:56 | Straylight | 44.000 | 31 | Alp Gru | 1.7340 | 15200. | 88 | 49242 | No |
| 39 | GOM_TRA_1PNPDE20110731_030204_000000463105_00090_49242_9482.N1 | 31-JUL-2011 03:02:04 | Straylight | 45.500 | 172 | Gam Gru | 3.0030 | 13100. | 91 | 49242 | No |
| 40 | GOM_TRA_1PNPDE20110731_031752_000000413105_00090_49242_9483.N1 | 31-JUL-2011 03:17:52 | Bright | 40.500 | 11 | 53Alp Aql | 0.76500 | 8000.0 | 81 | 49242 | No |
| 41 | GOM_TRA_1PNPDE20110731_032630_000000453105_00090_49242_9484.N1 | 31-JUL-2011 03:26:30 | Bright | 45.000 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 90 | 49242 | No |
| 42 | GOM_TRA_1PNPDE20110731_032825_000000383105_00090_49242_9485.N1 | 31-JUL-2011 03:28:25 | Bright | 38.000 | 144 | 18Del Cyg | 2.8600 | 11000. | 76 | 49242 | No |
| 43 | GOM_TRA_1PNPDE20110731_033459_000000393105_00090_49242_9486.N1 | 31-JUL-2011 03:34:59 | Bright | 39.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 78 | 49242 | No |
| 44 | GOM_TRA_1PNPDE20110731_034943_000000693105_00090_49242_9512.N1 | 31-JUL-2011 03:49:43 | Bright | 69.000 | 160 | 23Gam Per | 2.9300 | 4700.0 | 138 | 49242 | No |
| 45 | GOM_TRA_1PNPDE20110731_035122_000000553105_00090_49242_9513.N1 | 31-JUL-2011 03:51:22 | Bright | 55.000 | 35 | 33Alp Per | 1.7950 | 6250.0 | 110 | 49242 | No |
| 46 | GOM_TRA_1PNPDE20110731_035325_000000413105_00090_49242_9514.N1 | 31-JUL-2011 03:53:25 | Bright | 41.000 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 82 | 49242 | No |
| 47 | GOM_TRA_1PNPDE20110731_035518_000000483105_00090_49242_9515.N1 | 31-JUL-2011 03:55:18 | Bright | 48.000 | 149 | 45Eps Per | 2.8880 | 30000. | 96 | 49242 | No |
| 48 | GOM_TRA_1PNPDE20110731_035822_000000263105_00090_49242_9516.N1 | 31-JUL-2011 03:58:22 | Twi_and_stray | 26.000 | 150 | 44Zet Per | 2.8900 | 28000. | 52 | 49242 | No |
| 49 | GOM_TRA_1PNPDE20110731_040042_000000403105_00090_49242_9517.N1 | 31-JUL-2011 04:00:42 | Twi_and_stray | 40.000 | 176 | 23Zet Tau | 3.0200 | 22000. | 80 | 49242 | No |
| 50 | GOM_TRA_1PNPDE20110731_040311_000000543105_00090_49242_9518.N1 | 31-JUL-2011 04:03:11 | Dark | 54.000 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 108 | 49242 | No |
| 51 | GOM_TRA_1PNPDE20110731_040512_000000413105_00090_49242_9519.N1 | 31-JUL-2011 04:05:12 | Dark | 41.000 | 27 | 24Gam Ori | 1.6360 | 26000. | 82 | 49242 | No |
| 52 | GOM_TRA_1PNPDE20110731_040656_000000413105_00090_49242_9520.N1 | 31-JUL-2011 04:06:56 | Dark | 40.500 | 72 | 34Del Ori | 2.2500 | 30000. | 81 | 49242 | No |
| 53 | GOM_TRA_1PNPDE20110731_040934_000000433105_00090_49242_9521.N1 | 31-JUL-2011 04:09:34 | Dark | 43.000 | 7 | 19Bet Ori | 0.10000 | 14000. | 86 | 49242 | No |
| 54 | GOM_TRA_1PNPDE20110731_041406_000000573105_00090_49242_9522.N1 | 31-JUL-2011 04:14:06 | Dark | 57.000 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 114 | 49242 | No |
| 55 | GOM_TRA_1PNPDE20110731_042330_000000453105_00090_49242_9523.N1 | 31-JUL-2011 04:23:30 | Dark | 44.500 | 157 | The1Eri | 2.9060 | 9300.0 | 89 | 49242 | No |
| 56 | GOM_TRA_1PNPDE20110731_042900_000000443105_00091_49243_9524.N1 | 31-JUL-2011 04:29:00 | Dark | 43.500 | 9 | Alp Eri | 0.45300 | 24000. | 87 | 49243 | No |
| 57 | GOM_TRA_1PNPDE20110731_043344_000000543105_00091_49243_9525.N1 | 31-JUL-2011 04:33:44 | Straylight | 54.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 108 | 49243 | No |
| 58 | GOM_TRA_1PNPDE20110731_043910_000000453105_00091_49243_9526.N1 | 31-JUL-2011 04:39:10 | Straylight | 45.000 | 31 | Alp Gru | 1.7340 | 15200. | 90 | 49243 | No |
| 59 | GOM_TRA_1PNPDE20110731_044218_000000453105_00091_49243_9527.N1 | 31-JUL-2011 04:42:18 | Straylight | 44.500 | 172 | Gam Gru | 3.0030 | 13100. | 89 | 49243 | No |
| 60 | GOM_TRA_1PNPDE20110731_045806_000000413105_00091_49243_9528.N1 | 31-JUL-2011 04:58:06 | Bright | 41.000 | 11 | 53Alp Aql | 0.76500 | 8000.0 | 82 | 49243 | No |
| 61 | GOM_TRA_1PNPDE20110731_050643_000000463105_00091_49243_9529.N1 | 31-JUL-2011 05:06:43 | Bright | 45.500 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 91 | 49243 | No |
| 62 | GOM_TRA_1PNPDE20110731_050839_000000383105_00091_49243_9530.N1 | 31-JUL-2011 05:08:39 | Bright | 38.000 | 144 | 18Del Cyg | 2.8600 | 11000. | 76 | 49243 | No |
| 63 | GOM_TRA_1PNPDE20110731_051513_000000413105_00091_49243_9531.N1 | 31-JUL-2011 05:15:13 | Bright | 41.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 82 | 49243 | No |
| 64 | GOM_TRA_1PNPDE20110731_052956_000000463105_00091_49243_9559.N1 | 31-JUL-2011 05:29:56 | Bright | 46.000 | 160 | 23Gam Per | 2.9300 | 4700.0 | 92 | 49243 | No |
| 65 | GOM_TRA_1PNPDE20110731_053135_000000503105_00091_49243_9560.N1 | 31-JUL-2011 05:31:35 | Bright | 49.500 | 35 | 33Alp Per | 1.7950 | 6250.0 | 99 | 49243 | No |
| 66 | GOM_TRA_1PNPDE20110731_053339_000000423105_00091_49243_9561.N1 | 31-JUL-2011 05:33:39 | Bright | 41.500 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 83 | 49243 | No |
| 67 | GOM_TRA_1PNPDE20110731_053532_000000593105_00091_49243_9562.N1 | 31-JUL-2011 05:35:32 | Bright | 58.500 | 149 | 45Eps Per | 2.8880 | 30000. | 117 | 49243 | No |
| 68 | GOM_TRA_1PNPDE20110731_053837_000000263105_00091_49243_9563.N1 | 31-JUL-2011 05:38:37 | Twi_and_stray | 26.000 | 150 | 44Zet Per | 2.8900 | 28000. | 52 | 49243 | No |
| 69 | GOM_TRA_1PNPDE20110731_054056_000000413105_00091_49243_9564.N1 | 31-JUL-2011 05:40:56 | Twi_and_stray | 40.500 | 176 | 23Zet Tau | 3.0200 | 22000. | 81 | 49243 | No |
| 70 | GOM_TRA_1PNPDE20110731_054325_000000523105_00091_49243_9565.N1 | 31-JUL-2011 05:43:25 | Dark | 51.500 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 103 | 49243 | No |
| 71 | GOM_TRA_1PNPDE20110731_054526_000000433105_00091_49243_9566.N1 | 31-JUL-2011 05:45:26 | Dark | 42.500 | 27 | 24Gam Ori | 1.6360 | 26000. | 85 | 49243 | No |

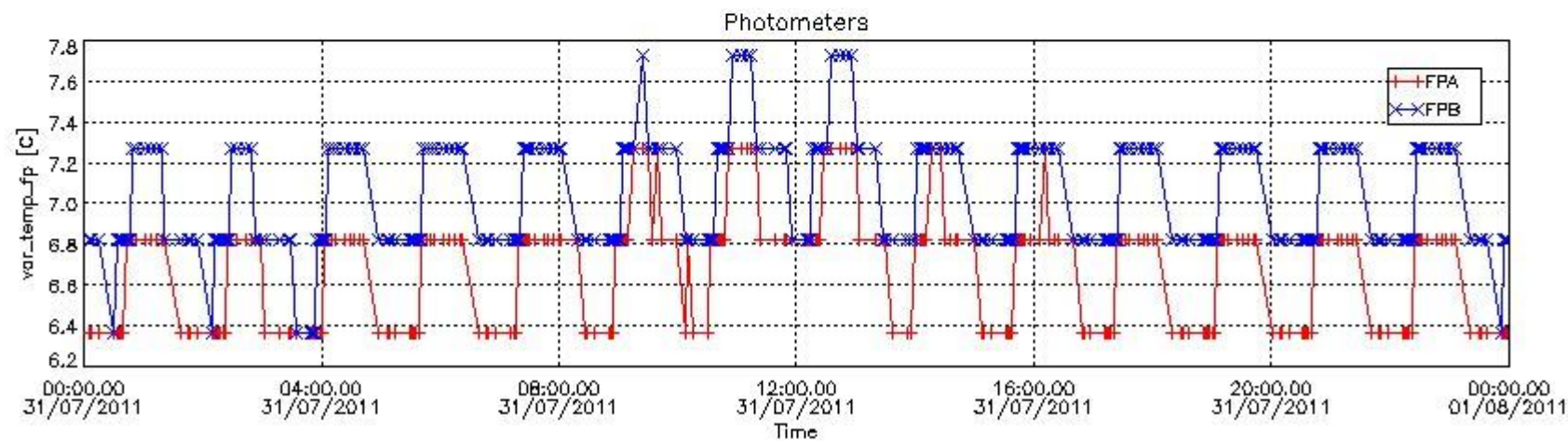
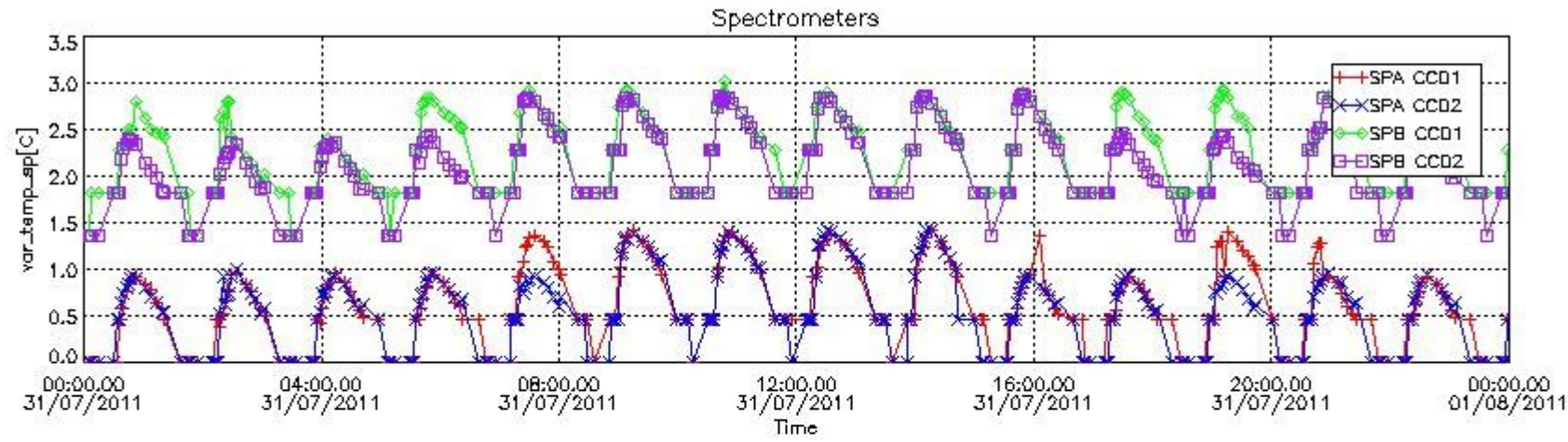
| | | | | | | | | | | | |
|-----|--|----------------------|----------------|--------|-----|-----------|----------|--------|-----|-------|----|
| 72 | GOM_TRA_1PNPDE20110731_054711_000000373105_00091_49243_9567.N1 | 31-JUL-2011 05:47:11 | Dark | 36.500 | 72 | 34Del Ori | 2.2500 | 30000. | 73 | 49243 | No |
| 73 | GOM_TRA_1PNPDE20110731_054948_000000433105_00091_49243_9568.N1 | 31-JUL-2011 05:49:48 | Dark | 43.000 | 7 | 19Bet Ori | 0.10000 | 14000. | 86 | 49243 | No |
| 74 | GOM_TRA_1PNPDE20110731_055421_000000563105_00091_49243_9569.N1 | 31-JUL-2011 05:54:21 | Dark | 55.500 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 111 | 49243 | No |
| 75 | GOM_TRA_1PNPDE20110731_060345_000000473105_00091_49243_9570.N1 | 31-JUL-2011 06:03:45 | Dark | 47.000 | 157 | The1Eri | 2.9060 | 9300.0 | 94 | 49243 | No |
| 76 | GOM_TRA_1PNPDE20110731_060915_000000493105_00092_49244_9571.N1 | 31-JUL-2011 06:09:15 | Dark | 49.000 | 9 | Alp Eri | 0.45300 | 24000. | 98 | 49244 | No |
| 77 | GOM_TRA_1PNPDE20110731_061359_000000563105_00092_49244_9572.N1 | 31-JUL-2011 06:13:59 | Straylight | 55.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 111 | 49244 | No |
| 78 | GOM_TRA_1PNPDE20110731_061925_000000443105_00092_49244_9573.N1 | 31-JUL-2011 06:19:25 | Straylight | 43.500 | 31 | Alp Gru | 1.7340 | 15200. | 87 | 49244 | No |
| 79 | GOM_TRA_1PNPDE20110731_062233_000000443105_00092_49244_9574.N1 | 31-JUL-2011 06:22:33 | Straylight | 43.500 | 172 | Gam Gru | 3.0030 | 13100. | 87 | 49244 | No |
| 80 | GOM_TRA_1PNPDE20110731_063820_000000393105_00092_49244_9575.N1 | 31-JUL-2011 06:38:20 | Bright | 38.500 | 11 | 53Alp Aql | 0.76500 | 8000.0 | 77 | 49244 | No |
| 81 | GOM_TRA_1PNPDE20110731_064657_000000453105_00092_49244_9576.N1 | 31-JUL-2011 06:46:57 | Bright | 45.000 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 90 | 49244 | No |
| 82 | GOM_TRA_1PNPDE20110731_064853_000000383105_00092_49244_9577.N1 | 31-JUL-2011 06:48:53 | Bright | 37.500 | 144 | 18Del Cyg | 2.8600 | 11000. | 75 | 49244 | No |
| 83 | GOM_TRA_1PNPDE20110731_065527_000000403105_00092_49244_9578.N1 | 31-JUL-2011 06:55:27 | Bright | 39.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 79 | 49244 | No |
| 84 | GOM_TRA_1PNPDK20110731_071010_000000483105_00092_49244_3529.N1 | 31-JUL-2011 07:10:10 | Bright | 47.500 | 160 | 23Gam Per | 2.9300 | 4700.0 | 95 | 49244 | No |
| 85 | GOM_TRA_1PNPDK20110731_071149_000000503105_00092_49244_3530.N1 | 31-JUL-2011 07:11:49 | Bright | 50.000 | 35 | 33Alp Per | 1.7950 | 6250.0 | 100 | 49244 | No |
| 86 | GOM_TRA_1PNPDK20110731_071353_000000523105_00092_49244_3531.N1 | 31-JUL-2011 07:13:53 | Bright | 51.500 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 103 | 49244 | No |
| 87 | GOM_TRA_1PNPDK20110731_071546_000000463105_00092_49244_3532.N1 | 31-JUL-2011 07:15:46 | Bright | 45.500 | 149 | 45Eps Per | 2.8880 | 30000. | 91 | 49244 | No |
| 88 | GOM_TRA_1PNPDK20110731_071906_000000513105_00092_49244_3533.N1 | 31-JUL-2011 07:19:06 | Bright | 50.500 | 28 | 12Bet Tau | 1.6500 | 15200. | 101 | 49244 | No |
| 89 | GOM_TRA_1PNPDK20110731_072111_000000393105_00092_49244_3534.N1 | 31-JUL-2011 07:21:11 | Tw_i_and_stray | 39.000 | 176 | 23Zet Tau | 3.0200 | 22000. | 78 | 49244 | No |
| 90 | GOM_TRA_1PNPDK20110731_072340_000000533105_00092_49244_3535.N1 | 31-JUL-2011 07:23:40 | Dark | 52.500 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 105 | 49244 | No |
| 91 | GOM_TRA_1PNPDK20110731_072540_000000373105_00092_49244_3536.N1 | 31-JUL-2011 07:25:40 | Dark | 37.000 | 27 | 24Gam Ori | 1.6360 | 26000. | 74 | 49244 | No |
| 92 | GOM_TRA_1PNPDK20110731_072725_000000363105_00092_49244_3537.N1 | 31-JUL-2011 07:27:25 | Dark | 35.500 | 72 | 34Del Ori | 2.2500 | 30000. | 71 | 49244 | No |
| 93 | GOM_TRA_1PNPDK20110731_073003_000000473105_00092_49244_3538.N1 | 31-JUL-2011 07:30:03 | Dark | 47.000 | 7 | 19Bet Ori | 0.10000 | 14000. | 94 | 49244 | No |
| 94 | GOM_TRA_1PNPDK20110731_073436_000000593105_00092_49244_3539.N1 | 31-JUL-2011 07:34:36 | Dark | 59.000 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 118 | 49244 | No |
| 95 | GOM_TRA_1PNPDK20110731_074400_000000463105_00092_49244_3540.N1 | 31-JUL-2011 07:44:00 | Dark | 45.500 | 157 | The1Eri | 2.9060 | 9300.0 | 91 | 49244 | No |
| 96 | GOM_TRA_1PNPDK20110731_074930_000000443105_00093_49245_3541.N1 | 31-JUL-2011 07:49:30 | Dark | 44.000 | 9 | Alp Eri | 0.45300 | 24000. | 88 | 49245 | No |
| 97 | GOM_TRA_1PNPDK20110731_075414_000000533105_00093_49245_3542.N1 | 31-JUL-2011 07:54:14 | Straylight | 53.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 106 | 49245 | No |
| 98 | GOM_TRA_1PNPDK20110731_075940_000000473105_00093_49245_3543.N1 | 31-JUL-2011 07:59:40 | Straylight | 47.000 | 31 | Alp Gru | 1.7340 | 15200. | 94 | 49245 | No |
| 99 | GOM_TRA_1PNPDK20110731_080247_000000463105_00093_49245_3544.N1 | 31-JUL-2011 08:02:47 | Straylight | 46.000 | 172 | Gam Gru | 3.0030 | 13100. | 92 | 49245 | No |
| 100 | GOM_TRA_1PNPDK20110731_081834_000000393105_00093_49245_3575.N1 | 31-JUL-2011 08:18:34 | Bright | 38.500 | 11 | 53Alp Aql | 0.76500 | 8000.0 | 77 | 49245 | No |
| 101 | GOM_TRA_1PNPDK20110731_082710_000000643105_00093_49245_3576.N1 | 31-JUL-2011 08:27:10 | Bright | 64.000 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 128 | 49245 | No |
| 102 | GOM_TRA_1PNPDK20110731_082907_000000393105_00093_49245_3577.N1 | 31-JUL-2011 08:29:07 | Bright | 38.500 | 144 | 18Del Cyg | 2.8600 | 11000. | 77 | 49245 | No |
| 103 | GOM_TRA_1PNPDK20110731_083540_000000413105_00093_49245_3578.N1 | 31-JUL-2011 08:35:40 | Bright | 41.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 82 | 49245 | No |
| 104 | GOM_TRA_1PNPDK20110731_085024_000000483105_00093_49245_3579.N1 | 31-JUL-2011 08:50:24 | Bright | 47.500 | 160 | 23Gam Per | 2.9300 | 4700.0 | 95 | 49245 | No |
| 105 | GOM_TRA_1PNPDK20110731_085203_000000493105_00093_49245_3580.N1 | 31-JUL-2011 08:52:03 | Bright | 49.000 | 35 | 33Alp Per | 1.7950 | 6250.0 | 98 | 49245 | No |
| 106 | GOM_TRA_1PNPDK20110731_085407_000000413105_00093_49245_3581.N1 | 31-JUL-2011 08:54:07 | Bright | 40.500 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 81 | 49245 | No |
| 107 | GOM_TRA_1PNPDK20110731_085600_000000473105_00093_49245_3582.N1 | 31-JUL-2011 08:56:00 | Bright | 47.000 | 149 | 45Eps Per | 2.8880 | 30000. | 94 | 49245 | No |
| 108 | GOM_TRA_1PNPDK20110731_085920_000000383105_00093_49245_3583.N1 | 31-JUL-2011 08:59:20 | Bright | 38.000 | 28 | 12Bet Tau | 1.6500 | 15200. | 76 | 49245 | No |
| 109 | GOM_TRA_1PNPDK20110731_090125_000000393105_00093_49245_3584.N1 | 31-JUL-2011 09:01:25 | Tw_i_and_stray | 39.000 | 176 | 23Zet Tau | 3.0200 | 22000. | 78 | 49245 | No |
| 110 | GOM_TRA_1PNPDK20110731_090354_000000533105_00093_49245_3585.N1 | 31-JUL-2011 09:03:54 | Dark | 53.000 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 106 | 49245 | No |
| 111 | GOM_TRA_1PNPDK20110731_090555_000000363105_00093_49245_3586.N1 | 31-JUL-2011 09:05:55 | Dark | 36.000 | 27 | 24Gam Ori | 1.6360 | 26000. | 72 | 49245 | No |
| 112 | GOM_TRA_1PNPDK20110731_090739_000000373105_00093_49245_3587.N1 | 31-JUL-2011 09:07:39 | Dark | 36.500 | 72 | 34Del Ori | 2.2500 | 30000. | 73 | 49245 | No |
| 113 | GOM_TRA_1PNPDK20110731_091017_000000493105_00093_49245_3588.N1 | 31-JUL-2011 09:10:17 | Dark | 48.500 | 7 | 19Bet Ori | 0.10000 | 14000. | 97 | 49245 | No |
| 114 | GOM_TRA_1PNPDK20110731_091451_000000543105_00093_49245_3589.N1 | 31-JUL-2011 09:14:51 | Dark | 53.500 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 107 | 49245 | No |
| 115 | GOM_TRA_1PNPDK20110731_092415_000000473105_00093_49245_3590.N1 | 31-JUL-2011 09:24:15 | Dark | 46.500 | 157 | The1Eri | 2.9060 | 9300.0 | 93 | 49245 | No |
| 116 | GOM_TRA_1PNPDK20110731_092944_000000533105_00094_49246_3591.N1 | 31-JUL-2011 09:29:44 | Dark | 52.500 | 9 | Alp Eri | 0.45300 | 24000. | 105 | 49246 | No |
| 117 | GOM_TRA_1PNPDK20110731_093429_000000553105_00094_49246_3592.N1 | 31-JUL-2011 09:34:29 | Straylight | 54.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 109 | 49246 | No |
| 118 | GOM_TRA_1PNPDK20110731_093954_000000483105_00094_49246_3593.N1 | 31-JUL-2011 09:39:54 | Straylight | 47.500 | 31 | Alp Gru | 1.7340 | 15200. | 95 | 49246 | No |
| 119 | GOM_TRA_1PNPDK20110731_094302_000000463105_00094_49246_3594.N1 | 31-JUL-2011 09:43:02 | Straylight | 46.000 | 172 | Gam Gru | 3.0030 | 13100. | 92 | 49246 | No |
| 120 | GOM_TRA_1PNPDK20110731_095848_000000393105_00094_49246_3650.N1 | 31-JUL-2011 09:58:48 | Bright | 39.000 | 11 | 53Alp Aql | 0.76500 | 8000.0 | 78 | 49246 | No |
| 121 | GOM_TRA_1PNPDK20110731_100724_000000443105_00094_49246_3651.N1 | 31-JUL-2011 10:07:24 | Bright | 44.000 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 88 | 49246 | No |
| 122 | GOM_TRA_1PNPDK20110731_100920_000000383105_00094_49246_3652.N1 | 31-JUL-2011 10:09:20 | Bright | 37.500 | 144 | 18Del Cyg | 2.8600 | 11000. | 75 | 49246 | No |
| 123 | GOM_TRA_1PNPDK20110731_101554_000000393105_00094_49246_3653.N1 | 31-JUL-2011 10:15:54 | Bright | 38.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 77 | 49246 | No |
| 124 | GOM_TRA_1PNPDK20110731_103037_000000703105_00094_49246_3654.N1 | 31-JUL-2011 10:30:37 | Bright | 70.000 | 160 | 23Gam Per | 2.9300 | 4700.0 | 140 | 49246 | No |
| 125 | GOM_TRA_1PNPDK20110731_103217_000000503105_00094_49246_3655.N1 | 31-JUL-2011 10:32:17 | Bright | 50.000 | 35 | 33Alp Per | 1.7950 | 6250.0 | 100 | 49246 | No |
| 126 | GOM_TRA_1PNPDK20110731_103421_000000433105_00094_49246_3656.N1 | 31-JUL-2011 10:34:21 | Bright | 42.500 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 85 | 49246 | No |
| 127 | GOM_TRA_1PNPDK20110731_103614_000000493105_00094_49246_3657.N1 | 31-JUL-2011 10:36:14 | Bright | 49.000 | 149 | 45Eps Per | 2.8880 | 30000. | 98 | 49246 | No |
| 128 | GOM_TRA_1PNPDK20110731_103934_000000393105_00094_49246_3658.N1 | 31-JUL-2011 10:39:34 | Bright | 38.500 | 28 | 12Bet Tau | 1.6500 | 15200. | 77 | 49246 | No |
| 129 | GOM_TRA_1PNPDK20110731_104139_000000373105_00094_49246_3659.N1 | 31-JUL-2011 10:41:39 | Tw_i_and_stray | 36.500 | 176 | 23Zet Tau | 3.0200 | 22000. | 73 | 49246 | No |
| 130 | GOM_TRA_1PNPDK20110731_104408_000000563105_00094_49246_3660.N1 | 31-JUL-2011 10:44:08 | Dark | 55.500 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 111 | 49246 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|----------------|--------|-----|-----------|----------|--------|-----|-------|----|
| 131 | GOM_TRA_1PNPDK20110731_104609_000000383105_00094_49246_3661.N1 | 31-JUL-2011 10:46:09 | Dark | 37.500 | 27 | 24Gam Ori | 1.6360 | 26000. | 75 | 49246 | No |
| 132 | GOM_TRA_1PNPDK20110731_104754_000000383105_00094_49246_3662.N1 | 31-JUL-2011 10:47:54 | Dark | 38.000 | 72 | 34Del Ori | 2.2500 | 30000. | 76 | 49246 | No |
| 133 | GOM_TRA_1PNPDK20110731_105031_000000483105_00094_49246_3663.N1 | 31-JUL-2011 10:50:31 | Dark | 47.500 | 7 | 19Bet Ori | 0.10000 | 14000. | 95 | 49246 | No |
| 134 | GOM_TRA_1PNPDK20110731_105506_000000563105_00094_49246_3664.N1 | 31-JUL-2011 10:55:06 | Dark | 56.000 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 112 | 49246 | No |
| 135 | GOM_TRA_1PNPDK20110731_110430_000000483105_00094_49246_3665.N1 | 31-JUL-2011 11:04:30 | Dark | 47.500 | 157 | The1Eri | 2.9060 | 9300.0 | 95 | 49246 | No |
| 136 | GOM_TRA_1PNPDK20110731_110959_000000483105_00095_49247_3666.N1 | 31-JUL-2011 11:09:59 | Dark | 47.500 | 9 | Alp Eri | 0.45300 | 24000. | 95 | 49247 | No |
| 137 | GOM_TRA_1PNPDK20110731_111444_000000583105_00095_49247_3667.N1 | 31-JUL-2011 11:14:44 | Straylight | 58.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 116 | 49247 | No |
| 138 | GOM_TRA_1PNPDK20110731_112008_000000473105_00095_49247_3668.N1 | 31-JUL-2011 11:20:08 | Straylight | 47.000 | 31 | Alp Gru | 1.7340 | 15200. | 94 | 49247 | No |
| 139 | GOM_TRA_1PNPDK20110731_112316_000000473105_00095_49247_3669.N1 | 31-JUL-2011 11:23:16 | Straylight | 46.500 | 172 | Gam Gru | 3.0030 | 13100. | 93 | 49247 | No |
| 140 | GOM_TRA_1PNPDK20110731_113902_000000383105_00095_49247_3709.N1 | 31-JUL-2011 11:39:02 | Bright | 38.000 | 11 | 53Alp Aql | 0.76500 | 8000.0 | 76 | 49247 | No |
| 141 | GOM_TRA_1PNPDK20110731_114737_000000433105_00095_49247_3710.N1 | 31-JUL-2011 11:47:37 | Bright | 43.000 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 86 | 49247 | No |
| 142 | GOM_TRA_1PNPDK20110731_114934_000000383105_00095_49247_3711.N1 | 31-JUL-2011 11:49:34 | Bright | 37.500 | 144 | 18Del Cyg | 2.8600 | 11000. | 75 | 49247 | No |
| 143 | GOM_TRA_1PNPDK20110731_115607_000000413105_00095_49247_3712.N1 | 31-JUL-2011 11:56:07 | Bright | 41.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 82 | 49247 | No |
| 144 | GOM_TRA_1PNPDK20110731_121051_000000493105_00095_49247_3713.N1 | 31-JUL-2011 12:10:51 | Bright | 49.000 | 160 | 23Gam Per | 2.9300 | 4700.0 | 98 | 49247 | No |
| 145 | GOM_TRA_1PNPDK20110731_121230_000000513105_00095_49247_3714.N1 | 31-JUL-2011 12:12:30 | Bright | 50.500 | 35 | 33Alp Per | 1.7950 | 6250.0 | 101 | 49247 | No |
| 146 | GOM_TRA_1PNPDK20110731_121435_000000483105_00095_49247_3715.N1 | 31-JUL-2011 12:14:35 | Bright | 47.500 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 95 | 49247 | No |
| 147 | GOM_TRA_1PNPDK20110731_121628_000000443105_00095_49247_3716.N1 | 31-JUL-2011 12:16:28 | Bright | 44.000 | 149 | 45Eps Per | 2.8880 | 30000. | 88 | 49247 | No |
| 148 | GOM_TRA_1PNPDK20110731_121948_000000463105_00095_49247_3717.N1 | 31-JUL-2011 12:19:48 | Bright | 45.500 | 28 | 12Bet Tau | 1.6500 | 15200. | 91 | 49247 | No |
| 149 | GOM_TRA_1PNPDK20110731_122153_000000403105_00095_49247_3718.N1 | 31-JUL-2011 12:21:53 | Tw_i_and_stray | 39.500 | 176 | 23Zet Tau | 3.0200 | 22000. | 79 | 49247 | No |
| 150 | GOM_TRA_1PNPDK20110731_122422_000000573105_00095_49247_3719.N1 | 31-JUL-2011 12:24:22 | Dark | 57.000 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 114 | 49247 | No |
| 151 | GOM_TRA_1PNPDK20110731_122623_000000433105_00095_49247_3720.N1 | 31-JUL-2011 12:26:23 | Dark | 42.500 | 27 | 24Gam Ori | 1.6360 | 26000. | 85 | 49247 | No |
| 152 | GOM_TRA_1PNPDK20110731_122808_000000443105_00095_49247_3721.N1 | 31-JUL-2011 12:28:08 | Dark | 43.500 | 72 | 34Del Ori | 2.2500 | 30000. | 87 | 49247 | No |
| 153 | GOM_TRA_1PNPDK20110731_123046_000000483105_00095_49247_3722.N1 | 31-JUL-2011 12:30:46 | Dark | 48.000 | 7 | 19Bet Ori | 0.10000 | 14000. | 96 | 49247 | No |
| 154 | GOM_TRA_1PNPDK20110731_123521_000000563105_00095_49247_3723.N1 | 31-JUL-2011 12:35:21 | Dark | 55.500 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 111 | 49247 | No |
| 155 | GOM_TRA_1PNPDK20110731_124445_000000473105_00095_49247_3724.N1 | 31-JUL-2011 12:44:45 | Dark | 46.500 | 157 | The1Eri | 2.9060 | 9300.0 | 93 | 49247 | No |
| 156 | GOM_TRA_1PNPDK20110731_125013_000000533105_00096_49248_3725.N1 | 31-JUL-2011 12:50:13 | Dark | 52.500 | 9 | Alp Eri | 0.45300 | 24000. | 105 | 49248 | No |
| 157 | GOM_TRA_1PNPDK20110731_125459_000000543105_00096_49248_3726.N1 | 31-JUL-2011 12:54:59 | Straylight | 53.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 107 | 49248 | No |
| 158 | GOM_TRA_1PNPDK20110731_130023_000000473105_00096_49248_3727.N1 | 31-JUL-2011 13:00:23 | Straylight | 47.000 | 31 | Alp Gru | 1.7340 | 15200. | 94 | 49248 | No |
| 159 | GOM_TRA_1PNPDK20110731_130330_000000443105_00096_49248_3728.N1 | 31-JUL-2011 13:03:30 | Straylight | 44.000 | 172 | Gam Gru | 3.0030 | 13100. | 88 | 49248 | No |
| 160 | GOM_TRA_1PNPDK20110731_131916_000000373105_00096_49248_3755.N1 | 31-JUL-2011 13:19:16 | Bright | 36.500 | 11 | 53Alp Aql | 0.76500 | 8000.0 | 73 | 49248 | No |
| 161 | GOM_TRA_1PNPDK20110731_132751_000000453105_00096_49248_3756.N1 | 31-JUL-2011 13:27:51 | Bright | 45.000 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 90 | 49248 | No |
| 162 | GOM_TRA_1PNPDK20110731_132948_000000363105_00096_49248_3757.N1 | 31-JUL-2011 13:29:48 | Bright | 36.000 | 144 | 18Del Cyg | 2.8600 | 11000. | 72 | 49248 | No |
| 163 | GOM_TRA_1PNPDK20110731_133621_000000403105_00096_49248_3758.N1 | 31-JUL-2011 13:36:21 | Bright | 40.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 80 | 49248 | No |
| 164 | GOM_TRA_1PNPDK20110731_135104_000000483105_00096_49248_3759.N1 | 31-JUL-2011 13:51:04 | Bright | 48.000 | 160 | 23Gam Per | 2.9300 | 4700.0 | 96 | 49248 | No |
| 165 | GOM_TRA_1PNPDK20110731_135244_000000473105_00096_49248_3760.N1 | 31-JUL-2011 13:52:44 | Bright | 47.000 | 35 | 33Alp Per | 1.7950 | 6250.0 | 94 | 49248 | No |
| 166 | GOM_TRA_1PNPDK20110731_135449_000000413105_00096_49248_3761.N1 | 31-JUL-2011 13:54:49 | Bright | 41.000 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 82 | 49248 | No |
| 167 | GOM_TRA_1PNPDK20110731_135641_000000443105_00096_49248_3762.N1 | 31-JUL-2011 13:56:41 | Bright | 44.000 | 149 | 45Eps Per | 2.8880 | 30000. | 88 | 49248 | No |
| 168 | GOM_TRA_1PNPDK20110731_140003_000000453105_00096_49248_3763.N1 | 31-JUL-2011 14:00:03 | Bright | 45.000 | 28 | 12Bet Tau | 1.6500 | 15200. | 90 | 49248 | No |
| 169 | GOM_TRA_1PNPDK20110731_140207_000000423105_00096_49248_3764.N1 | 31-JUL-2011 14:02:07 | Tw_i_and_stray | 42.000 | 176 | 23Zet Tau | 3.0200 | 22000. | 84 | 49248 | No |
| 170 | GOM_TRA_1PNPDK20110731_140437_000000563105_00096_49248_3765.N1 | 31-JUL-2011 14:04:37 | Dark | 55.500 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 111 | 49248 | No |
| 171 | GOM_TRA_1PNPDK20110731_140637_000000453105_00096_49248_3766.N1 | 31-JUL-2011 14:06:37 | Dark | 44.500 | 27 | 24Gam Ori | 1.6360 | 26000. | 89 | 49248 | No |
| 172 | GOM_TRA_1PNPDK20110731_140822_000000443105_00096_49248_3767.N1 | 31-JUL-2011 14:08:22 | Dark | 43.500 | 72 | 34Del Ori | 2.2500 | 30000. | 87 | 49248 | No |
| 173 | GOM_TRA_1PNPDK20110731_141100_000000483105_00096_49248_3768.N1 | 31-JUL-2011 14:11:00 | Dark | 48.000 | 7 | 19Bet Ori | 0.10000 | 14000. | 96 | 49248 | No |
| 174 | GOM_TRA_1PNPDK20110731_141536_000000553105_00096_49248_3769.N1 | 31-JUL-2011 14:15:36 | Dark | 54.500 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 109 | 49248 | No |
| 175 | GOM_TRA_1PNPDK20110731_142500_000000473105_00096_49248_3770.N1 | 31-JUL-2011 14:25:00 | Dark | 47.000 | 157 | The1Eri | 2.9060 | 9300.0 | 94 | 49248 | No |
| 176 | GOM_TRA_1PNPDK20110731_143028_000000443105_00097_49249_3771.N1 | 31-JUL-2011 14:30:28 | Dark | 44.000 | 9 | Alp Eri | 0.45300 | 24000. | 88 | 49249 | No |
| 177 | GOM_TRA_1PNPDK20110731_143514_000000543105_00097_49249_3772.N1 | 31-JUL-2011 14:35:14 | Straylight | 53.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 107 | 49249 | No |
| 178 | GOM_TRA_1PNPDK20110731_144037_000000443105_00097_49249_3773.N1 | 31-JUL-2011 14:40:37 | Straylight | 43.500 | 31 | Alp Gru | 1.7340 | 15200. | 87 | 49249 | No |
| 179 | GOM_TRA_1PNPDK20110731_144345_000000453105_00097_49249_3774.N1 | 31-JUL-2011 14:43:45 | Straylight | 45.000 | 172 | Gam Gru | 3.0030 | 13100. | 90 | 49249 | No |
| 180 | GOM_TRA_1PNPDK20110731_145929_000000383105_00097_49249_3792.N1 | 31-JUL-2011 14:59:29 | Bright | 38.000 | 11 | 53Alp Aql | 0.76500 | 8000.0 | 76 | 49249 | No |
| 181 | GOM_TRA_1PNPDK20110731_150804_000000453105_00097_49249_3793.N1 | 31-JUL-2011 15:08:04 | Bright | 45.000 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 90 | 49249 | No |
| 182 | GOM_TRA_1PNPDK20110731_151002_000000383105_00097_49249_3794.N1 | 31-JUL-2011 15:10:02 | Bright | 38.000 | 144 | 18Del Cyg | 2.8600 | 11000. | 76 | 49249 | No |
| 183 | GOM_TRA_1PNPDK20110731_151634_000000413105_00097_49249_3795.N1 | 31-JUL-2011 15:16:34 | Bright | 41.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 82 | 49249 | No |
| 184 | GOM_TRA_1PNPDK20110731_153118_000000703105_00097_49249_3796.N1 | 31-JUL-2011 15:31:18 | Bright | 70.000 | 160 | 23Gam Per | 2.9300 | 4700.0 | 140 | 49249 | No |
| 185 | GOM_TRA_1PNPDK20110731_153258_000000503105_00097_49249_3797.N1 | 31-JUL-2011 15:32:58 | Bright | 50.000 | 35 | 33Alp Per | 1.7950 | 6250.0 | 100 | 49249 | No |
| 186 | GOM_TRA_1PNPDK20110731_153503_000000443105_00097_49249_3798.N1 | 31-JUL-2011 15:35:03 | Bright | 43.500 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 87 | 49249 | No |
| 187 | GOM_TRA_1PNPDK20110731_153655_000000463105_00097_49249_3799.N1 | 31-JUL-2011 15:36:55 | Bright | 45.500 | 149 | 45Eps Per | 2.8880 | 30000. | 91 | 49249 | No |
| 188 | GOM_TRA_1PNPDK20110731_154017_000000563105_00097_49249_3800.N1 | 31-JUL-2011 15:40:17 | Bright | 56.000 | 28 | 12Bet Tau | 1.6500 | 15200. | 112 | 49249 | No |
| 189 | GOM_TRA_1PNPDK20110731_154222_000000423105_00097_49249_3801.N1 | 31-JUL-2011 15:42:22 | Tw_i_and_stray | 42.000 | 176 | 23Zet Tau | 3.0200 | 22000. | 84 | 49249 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|----------------|--------|-----|-----------|----------|--------|-----|-------|----|
| 190 | GOM_TRA_1PNPDK20110731_154451_000000583105_00097_49249_3802.N1 | 31-JUL-2011 15:44:51 | Dark | 57.500 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 115 | 49249 | No |
| 191 | GOM_TRA_1PNPDK20110731_154652_000000453105_00097_49249_3803.N1 | 31-JUL-2011 15:46:52 | Dark | 45.000 | 27 | 24Gam Ori | 1.6360 | 26000. | 90 | 49249 | No |
| 192 | GOM_TRA_1PNPDK20110731_154837_000000443105_00097_49249_3804.N1 | 31-JUL-2011 15:48:37 | Dark | 43.500 | 72 | 34Del Ori | 2.2500 | 30000. | 87 | 49249 | No |
| 193 | GOM_TRA_1PNPDK20110731_155115_000000483105_00097_49249_3805.N1 | 31-JUL-2011 15:51:15 | Dark | 47.500 | 7 | 19Bet Ori | 0.10000 | 14000. | 95 | 49249 | No |
| 194 | GOM_TRA_1PNPDK20110731_155551_000000543105_00097_49249_3806.N1 | 31-JUL-2011 15:55:51 | Dark | 54.000 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 108 | 49249 | No |
| 195 | GOM_TRA_1PNPDK20110731_160515_000000463105_00097_49249_3807.N1 | 31-JUL-2011 16:05:15 | Dark | 46.000 | 157 | The1Eri | 2.9060 | 9300.0 | 92 | 49249 | No |
| 196 | GOM_TRA_1PNPDK20110731_161043_000000533105_00098_49250_3808.N1 | 31-JUL-2011 16:10:43 | Dark | 52.500 | 9 | Alp Eri | 0.45300 | 24000. | 105 | 49250 | No |
| 197 | GOM_TRA_1PNPDK20110731_161530_000000543105_00098_49250_3809.N1 | 31-JUL-2011 16:15:30 | Straylight | 54.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 108 | 49250 | No |
| 198 | GOM_TRA_1PNPDK20110731_162052_000000433105_00098_49250_3810.N1 | 31-JUL-2011 16:20:52 | Straylight | 43.000 | 31 | Alp Gru | 1.7340 | 15200. | 86 | 49250 | No |
| 199 | GOM_TRA_1PNPDK20110731_162359_000000443105_00098_49250_3811.N1 | 31-JUL-2011 16:23:59 | Straylight | 44.000 | 172 | Gam Gru | 3.0030 | 13100. | 88 | 49250 | No |
| 200 | GOM_TRA_1PNPDK20110731_163943_000000393105_00098_49250_3840.N1 | 31-JUL-2011 16:39:43 | Bright | 39.000 | 11 | 53Alp Aql | 0.76500 | 8000.0 | 78 | 49250 | No |
| 201 | GOM_TRA_1PNPDK20110731_164818_000000453105_00098_49250_3841.N1 | 31-JUL-2011 16:48:18 | Bright | 45.000 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 90 | 49250 | No |
| 202 | GOM_TRA_1PNPDK20110731_165015_000000373105_00098_49250_3842.N1 | 31-JUL-2011 16:50:15 | Bright | 37.000 | 144 | 18Del Cyg | 2.8600 | 11000. | 74 | 49250 | No |
| 203 | GOM_TRA_1PNPDK20110731_165648_000000413105_00098_49250_3843.N1 | 31-JUL-2011 16:56:48 | Bright | 40.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 81 | 49250 | No |
| 204 | GOM_TRA_1PNPDK20110731_171132_000000693105_00098_49250_3844.N1 | 31-JUL-2011 17:11:32 | Bright | 69.000 | 160 | 23Gam Per | 2.9300 | 4700.0 | 138 | 49250 | No |
| 205 | GOM_TRA_1PNPDK20110731_171311_000000693105_00098_49250_3845.N1 | 31-JUL-2011 17:13:11 | Bright | 69.000 | 35 | 33Alp Per | 1.7950 | 6250.0 | 138 | 49250 | No |
| 206 | GOM_TRA_1PNPDK20110731_171517_000000433105_00098_49250_3846.N1 | 31-JUL-2011 17:15:17 | Bright | 43.000 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 86 | 49250 | No |
| 207 | GOM_TRA_1PNPDK20110731_171709_000000463105_00098_49250_3847.N1 | 31-JUL-2011 17:17:09 | Bright | 45.500 | 149 | 45Eps Per | 2.8880 | 30000. | 91 | 49250 | No |
| 208 | GOM_TRA_1PNPDK20110731_172031_000000433105_00098_49250_3848.N1 | 31-JUL-2011 17:20:31 | Bright | 43.000 | 28 | 12Bet Tau | 1.6500 | 15200. | 86 | 49250 | No |
| 209 | GOM_TRA_1PNPDK20110731_172236_000000423105_00098_49250_3849.N1 | 31-JUL-2011 17:22:36 | Tw_i_and_stray | 42.000 | 176 | 23Zet Tau | 3.0200 | 22000. | 84 | 49250 | No |
| 210 | GOM_TRA_1PNPDK20110731_172506_000000573105_00098_49250_3850.N1 | 31-JUL-2011 17:25:06 | Dark | 57.000 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 114 | 49250 | No |
| 211 | GOM_TRA_1PNPDK20110731_172706_000000453105_00098_49250_3851.N1 | 31-JUL-2011 17:27:06 | Dark | 44.500 | 27 | 24Gam Ori | 1.6360 | 26000. | 89 | 49250 | No |
| 212 | GOM_TRA_1PNPDK20110731_172901_000000453105_00098_49250_3852.N1 | 31-JUL-2011 17:29:01 | Dark | 44.500 | 30 | 46Eps Ori | 1.6940 | 30000. | 89 | 49250 | No |
| 213 | GOM_TRA_1PNPDK20110731_173129_000000463105_00098_49250_3853.N1 | 31-JUL-2011 17:31:29 | Dark | 45.500 | 7 | 19Bet Ori | 0.10000 | 14000. | 91 | 49250 | No |
| 214 | GOM_TRA_1PNPDK20110731_173606_000000583105_00098_49250_3854.N1 | 31-JUL-2011 17:36:06 | Dark | 58.000 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 116 | 49250 | No |
| 215 | GOM_TRA_1PNPDK20110731_174529_000000473105_00098_49250_3855.N1 | 31-JUL-2011 17:45:29 | Dark | 47.000 | 157 | The1Eri | 2.9060 | 9300.0 | 94 | 49250 | No |
| 216 | GOM_TRA_1PNPDK20110731_175057_000000463105_00099_49251_3856.N1 | 31-JUL-2011 17:50:57 | Dark | 45.500 | 9 | Alp Eri | 0.45300 | 24000. | 91 | 49251 | No |
| 217 | GOM_TRA_1PNPDK20110731_175545_000000533105_00099_49251_3857.N1 | 31-JUL-2011 17:55:45 | Straylight | 52.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 105 | 49251 | No |
| 218 | GOM_TRA_1PNPDK20110731_180107_000000423105_00099_49251_3858.N1 | 31-JUL-2011 18:01:07 | Straylight | 42.000 | 31 | Alp Gru | 1.7340 | 15200. | 84 | 49251 | No |
| 219 | GOM_TRA_1PNPDK20110731_180414_000000453105_00099_49251_3883.N1 | 31-JUL-2011 18:04:14 | Straylight | 45.000 | 172 | Gam Gru | 3.0030 | 13100. | 90 | 49251 | No |
| 220 | GOM_TRA_1PNPDK20110731_181958_000000393105_00099_49251_3884.N1 | 31-JUL-2011 18:19:58 | Bright | 38.500 | 11 | 53Alp Aql | 0.76500 | 8000.0 | 77 | 49251 | No |
| 221 | GOM_TRA_1PNPDK20110731_182831_000000423105_00099_49251_3885.N1 | 31-JUL-2011 18:28:31 | Bright | 42.000 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 84 | 49251 | No |
| 222 | GOM_TRA_1PNPDK20110731_183029_000000383105_00099_49251_3886.N1 | 31-JUL-2011 18:30:29 | Bright | 37.500 | 144 | 18Del Cyg | 2.8600 | 11000. | 75 | 49251 | No |
| 223 | GOM_TRA_1PNPDK20110731_183702_000000423105_00099_49251_3887.N1 | 31-JUL-2011 18:37:02 | Bright | 42.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 84 | 49251 | No |
| 224 | GOM_TRA_1PNPDK20110731_185145_000000703105_00099_49251_3888.N1 | 31-JUL-2011 18:51:45 | Bright | 70.000 | 160 | 23Gam Per | 2.9300 | 4700.0 | 140 | 49251 | No |
| 225 | GOM_TRA_1PNPDK20110731_185325_000000503105_00099_49251_3889.N1 | 31-JUL-2011 18:53:25 | Bright | 50.000 | 35 | 33Alp Per | 1.7950 | 6250.0 | 100 | 49251 | No |
| 226 | GOM_TRA_1PNPDK20110731_185531_000000453105_00099_49251_3890.N1 | 31-JUL-2011 18:55:31 | Bright | 44.500 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 89 | 49251 | No |
| 227 | GOM_TRA_1PNPDK20110731_185723_000000463105_00099_49251_3891.N1 | 31-JUL-2011 18:57:23 | Bright | 46.000 | 149 | 45Eps Per | 2.8880 | 30000. | 92 | 49251 | No |
| 228 | GOM_TRA_1PNPDK20110731_190045_000000473105_00099_49251_3892.N1 | 31-JUL-2011 19:00:45 | Bright | 47.000 | 28 | 12Bet Tau | 1.6500 | 15200. | 94 | 49251 | No |
| 229 | GOM_TRA_1PNPDK20110731_190250_000000403105_00099_49251_3893.N1 | 31-JUL-2011 19:02:50 | Tw_i_and_stray | 40.000 | 176 | 23Zet Tau | 3.0200 | 22000. | 80 | 49251 | No |
| 230 | GOM_TRA_1PNPDK20110731_190520_000000613105_00099_49251_3894.N1 | 31-JUL-2011 19:05:20 | Dark | 61.000 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 122 | 49251 | No |
| 231 | GOM_TRA_1PNPDK20110731_190721_000000443105_00099_49251_3895.N1 | 31-JUL-2011 19:07:21 | Dark | 44.000 | 27 | 24Gam Ori | 1.6360 | 26000. | 88 | 49251 | No |
| 232 | GOM_TRA_1PNPDK20110731_190915_000000423105_00099_49251_3896.N1 | 31-JUL-2011 19:09:15 | Dark | 41.500 | 30 | 46Eps Ori | 1.6940 | 30000. | 83 | 49251 | No |
| 233 | GOM_TRA_1PNPDK20110731_191144_000000463105_00099_49251_3897.N1 | 31-JUL-2011 19:11:44 | Dark | 45.500 | 7 | 19Bet Ori | 0.10000 | 14000. | 91 | 49251 | No |
| 234 | GOM_TRA_1PNPDK20110731_191620_000000543105_00099_49251_3898.N1 | 31-JUL-2011 19:16:20 | Dark | 54.000 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 108 | 49251 | No |
| 235 | GOM_TRA_1PNPDK20110731_192544_000000473105_00099_49251_3899.N1 | 31-JUL-2011 19:25:44 | Dark | 47.000 | 157 | The1Eri | 2.9060 | 9300.0 | 94 | 49251 | No |
| 236 | GOM_TRA_1PNPDK20110731_193112_000000433105_00100_49252_3900.N1 | 31-JUL-2011 19:31:12 | Dark | 43.000 | 9 | Alp Eri | 0.45300 | 24000. | 86 | 49252 | No |
| 237 | GOM_TRA_1PNPDK20110731_193600_000000553105_00100_49252_3901.N1 | 31-JUL-2011 19:36:00 | Straylight | 54.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 109 | 49252 | No |
| 238 | GOM_TRA_1PNPDE20110731_194121_000000433105_00100_49252_9714.N1 | 31-JUL-2011 19:41:21 | Straylight | 42.500 | 31 | Alp Gru | 1.7340 | 15200. | 85 | 49252 | No |
| 239 | GOM_TRA_1PNPDE20110731_194428_000000463105_00100_49252_9715.N1 | 31-JUL-2011 19:44:28 | Straylight | 45.500 | 172 | Gam Gru | 3.0030 | 13100. | 91 | 49252 | No |
| 240 | GOM_TRA_1PNPDE20110731_200011_000000393105_00100_49252_9716.N1 | 31-JUL-2011 20:00:11 | Bright | 38.500 | 11 | 53Alp Aql | 0.76500 | 8000.0 | 77 | 49252 | No |
| 241 | GOM_TRA_1PNPDE20110731_200845_000000433105_00100_49252_9717.N1 | 31-JUL-2011 20:08:45 | Bright | 43.000 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 86 | 49252 | No |
| 242 | GOM_TRA_1PNPDE20110731_201043_000000383105_00100_49252_9718.N1 | 31-JUL-2011 20:10:43 | Bright | 37.500 | 144 | 18Del Cyg | 2.8600 | 11000. | 75 | 49252 | No |
| 243 | GOM_TRA_1PNPDE20110731_201715_000000413105_00100_49252_9719.N1 | 31-JUL-2011 20:17:15 | Bright | 40.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 81 | 49252 | No |
| 244 | GOM_TRA_1PNPDE20110731_203159_000000503105_00100_49252_9720.N1 | 31-JUL-2011 20:31:59 | Bright | 50.000 | 160 | 23Gam Per | 2.9300 | 4700.0 | 100 | 49252 | No |
| 245 | GOM_TRA_1PNPDE20110731_203339_000000523105_00100_49252_9721.N1 | 31-JUL-2011 20:33:39 | Bright | 52.000 | 35 | 33Alp Per | 1.7950 | 6250.0 | 104 | 49252 | No |
| 246 | GOM_TRA_1PNPDE20110731_203545_000000563105_00100_49252_9722.N1 | 31-JUL-2011 20:35:45 | Bright | 56.000 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 112 | 49252 | No |
| 247 | GOM_TRA_1PNPDE20110731_203737_000000683105_00100_49252_9723.N1 | 31-JUL-2011 20:37:37 | Bright | 68.000 | 149 | 45Eps Per | 2.8880 | 30000. | 136 | 49252 | No |
| 248 | GOM_TRA_1PNPDE20110731_204059_000000473105_00100_49252_9724.N1 | 31-JUL-2011 20:40:59 | Bright | 46.500 | 28 | 12Bet Tau | 1.6500 | 15200. | 93 | 49252 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|------------|--------|-----|-----------|----------|--------|-----|-------|----|
| 249 | GOM_TRA_1PNPDE20110731_204304_000000433105_00100_49252_9725.N1 | 31-JUL-2011 20:43:04 | Twilight | 43.000 | 176 | 23Zet Tau | 3.0200 | 22000. | 86 | 49252 | No |
| 250 | GOM_TRA_1PNPDE20110731_204534_000000563105_00100_49252_9726.N1 | 31-JUL-2011 20:45:34 | Dark | 55.500 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 111 | 49252 | No |
| 251 | GOM_TRA_1PNPDE20110731_204735_000000433105_00100_49252_9727.N1 | 31-JUL-2011 20:47:35 | Dark | 42.500 | 27 | 24Gam Ori | 1.6360 | 26000. | 85 | 49252 | No |
| 252 | GOM_TRA_1PNPDE20110731_204930_000000393105_00100_49252_9728.N1 | 31-JUL-2011 20:49:30 | Dark | 39.000 | 30 | 46Eps Ori | 1.6940 | 30000. | 78 | 49252 | No |
| 253 | GOM_TRA_1PNPDE20110731_205158_000000473105_00100_49252_9736.N1 | 31-JUL-2011 20:51:58 | Dark | 46.500 | 7 | 19Bet Ori | 0.10000 | 14000. | 93 | 49252 | No |
| 254 | GOM_TRA_1PNPDE20110731_205635_000000543105_00100_49252_9737.N1 | 31-JUL-2011 20:56:35 | Dark | 54.000 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 108 | 49252 | No |
| 255 | GOM_TRA_1PNPDE20110731_210559_000000463105_00100_49252_9738.N1 | 31-JUL-2011 21:05:59 | Dark | 46.000 | 157 | The1Eri | 2.9060 | 9300.0 | 92 | 49252 | No |
| 256 | GOM_TRA_1PNPDE20110731_211127_000000433105_00101_49253_9739.N1 | 31-JUL-2011 21:11:27 | Dark | 42.500 | 9 | Alp Eri | 0.45300 | 24000. | 85 | 49253 | No |
| 257 | GOM_TRA_1PNPDE20110731_211615_000000543105_00101_49253_9740.N1 | 31-JUL-2011 21:16:15 | Straylight | 54.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 108 | 49253 | No |
| 258 | GOM_TRA_1PNPDE20110731_212135_000000443105_00101_49253_9741.N1 | 31-JUL-2011 21:21:35 | Straylight | 43.500 | 31 | Alp Gru | 1.7340 | 15200. | 87 | 49253 | No |
| 259 | GOM_TRA_1PNPDE20110731_212443_000000443105_00101_49253_9742.N1 | 31-JUL-2011 21:24:43 | Straylight | 44.000 | 172 | Gam Gru | 3.0030 | 13100. | 88 | 49253 | No |
| 260 | GOM_TRA_1PNPDE20110731_214025_000000393105_00101_49253_9743.N1 | 31-JUL-2011 21:40:25 | Bright | 38.500 | 11 | 53Alp Aql | 0.76500 | 8000.0 | 77 | 49253 | No |
| 261 | GOM_TRA_1PNPDE20110731_214858_000000433105_00101_49253_9744.N1 | 31-JUL-2011 21:48:58 | Bright | 42.500 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 85 | 49253 | No |
| 262 | GOM_TRA_1PNPDE20110731_215057_000000393105_00101_49253_9745.N1 | 31-JUL-2011 21:50:57 | Bright | 38.500 | 144 | 18Del Cyg | 2.8600 | 11000. | 77 | 49253 | No |
| 263 | GOM_TRA_1PNPDE20110731_215729_000000423105_00101_49253_9746.N1 | 31-JUL-2011 21:57:29 | Bright | 41.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 83 | 49253 | No |
| 264 | GOM_TRA_1PNPDE20110731_221213_000000683105_00101_49253_9747.N1 | 31-JUL-2011 22:12:13 | Bright | 68.000 | 160 | 23Gam Per | 2.9300 | 4700.0 | 136 | 49253 | No |
| 265 | GOM_TRA_1PNPDE20110731_221352_000000503105_00101_49253_9748.N1 | 31-JUL-2011 22:13:52 | Bright | 49.500 | 35 | 33Alp Per | 1.7950 | 6250.0 | 99 | 49253 | No |
| 266 | GOM_TRA_1PNPDE20110731_221559_000000433105_00101_49253_9749.N1 | 31-JUL-2011 22:15:59 | Bright | 42.500 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 85 | 49253 | No |
| 267 | GOM_TRA_1PNPDE20110731_221751_000000483105_00101_49253_9750.N1 | 31-JUL-2011 22:17:51 | Bright | 47.500 | 149 | 45Eps Per | 2.8880 | 30000. | 95 | 49253 | No |
| 268 | GOM_TRA_1PNPDE20110731_222113_000000463105_00101_49253_9751.N1 | 31-JUL-2011 22:21:13 | Bright | 45.500 | 28 | 12Bet Tau | 1.6500 | 15200. | 91 | 49253 | No |
| 269 | GOM_TRA_1PNPDE20110731_222318_000000423105_00101_49253_9752.N1 | 31-JUL-2011 22:23:18 | Twilight | 41.500 | 176 | 23Zet Tau | 3.0200 | 22000. | 83 | 49253 | No |
| 270 | GOM_TRA_1PNPDE20110731_222549_000000543105_00101_49253_9753.N1 | 31-JUL-2011 22:25:49 | Dark | 53.500 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 107 | 49253 | No |
| 271 | GOM_TRA_1PNPDE20110731_222749_000000413105_00101_49253_9754.N1 | 31-JUL-2011 22:27:49 | Dark | 41.000 | 27 | 24Gam Ori | 1.6360 | 26000. | 82 | 49253 | No |
| 272 | GOM_TRA_1PNPDE20110731_222944_000000403105_00101_49253_9755.N1 | 31-JUL-2011 22:29:44 | Dark | 40.000 | 30 | 46Eps Ori | 1.6940 | 30000. | 80 | 49253 | No |
| 273 | GOM_TRA_1PNPDE20110731_223212_000000423105_00101_49253_9756.N1 | 31-JUL-2011 22:32:12 | Dark | 42.000 | 7 | 19Bet Ori | 0.10000 | 14000. | 84 | 49253 | No |
| 274 | GOM_TRA_1PNPDE20110731_223650_000000573105_00101_49253_9764.N1 | 31-JUL-2011 22:36:50 | Dark | 56.500 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 113 | 49253 | No |
| 275 | GOM_TRA_1PNPDE20110731_224614_000000463105_00101_49253_9765.N1 | 31-JUL-2011 22:46:14 | Dark | 46.000 | 157 | The1Eri | 2.9060 | 9300.0 | 92 | 49253 | No |
| 276 | GOM_TRA_1PNPDE20110731_225141_000000473105_00102_49254_9766.N1 | 31-JUL-2011 22:51:41 | Dark | 46.500 | 9 | Alp Eri | 0.45300 | 24000. | 93 | 49254 | No |
| 277 | GOM_TRA_1PNPDE20110731_225630_000000553105_00102_49254_9767.N1 | 31-JUL-2011 22:56:30 | Straylight | 55.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 110 | 49254 | No |
| 278 | GOM_TRA_1PNPDE20110731_230150_000000473105_00102_49254_9768.N1 | 31-JUL-2011 23:01:50 | Straylight | 47.000 | 31 | Alp Gru | 1.7340 | 15200. | 94 | 49254 | No |
| 279 | GOM_TRA_1PNPDE20110731_230457_000000463105_00102_49254_9769.N1 | 31-JUL-2011 23:04:57 | Straylight | 45.500 | 172 | Gam Gru | 3.0030 | 13100. | 91 | 49254 | No |
| 280 | GOM_TRA_1PNPDE20110731_232039_000000383105_00102_49254_9770.N1 | 31-JUL-2011 23:20:39 | Bright | 38.000 | 11 | 53Alp Aql | 0.76500 | 8000.0 | 76 | 49254 | No |
| 281 | GOM_TRA_1PNPDE20110731_232911_000000453105_00102_49254_9771.N1 | 31-JUL-2011 23:29:11 | Bright | 44.500 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 89 | 49254 | No |
| 282 | GOM_TRA_1PNPDE20110731_233110_000000363105_00102_49254_9772.N1 | 31-JUL-2011 23:31:10 | Bright | 35.500 | 144 | 18Del Cyg | 2.8600 | 11000. | 71 | 49254 | No |
| 283 | GOM_TRA_1PNPDE20110731_233742_000000413105_00102_49254_9773.N1 | 31-JUL-2011 23:37:42 | Bright | 40.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 81 | 49254 | No |
| 284 | GOM_TRA_1PNPDE20110731_235226_000000583105_00102_49254_9774.N1 | 31-JUL-2011 23:52:26 | Bright | 58.000 | 160 | 23Gam Per | 2.9300 | 4700.0 | 116 | 49254 | No |
| 285 | GOM_TRA_1PNPDE20110731_235406_000000503105_00102_49254_9775.N1 | 31-JUL-2011 23:54:06 | Bright | 49.500 | 35 | 33Alp Per | 1.7950 | 6250.0 | 99 | 49254 | No |
| 286 | GOM_TRA_1PNPDE20110731_235613_000000443105_00102_49254_9776.N1 | 31-JUL-2011 23:56:13 | Bright | 44.000 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 88 | 49254 | No |
| 287 | GOM_TRA_1PNPDE20110731_235805_000000453105_00102_49254_9777.N1 | 31-JUL-2011 23:58:05 | Bright | 44.500 | 149 | 45Eps Per | 2.8880 | 30000. | 89 | 49254 | No |

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



4. Overview of dark signal processing per product

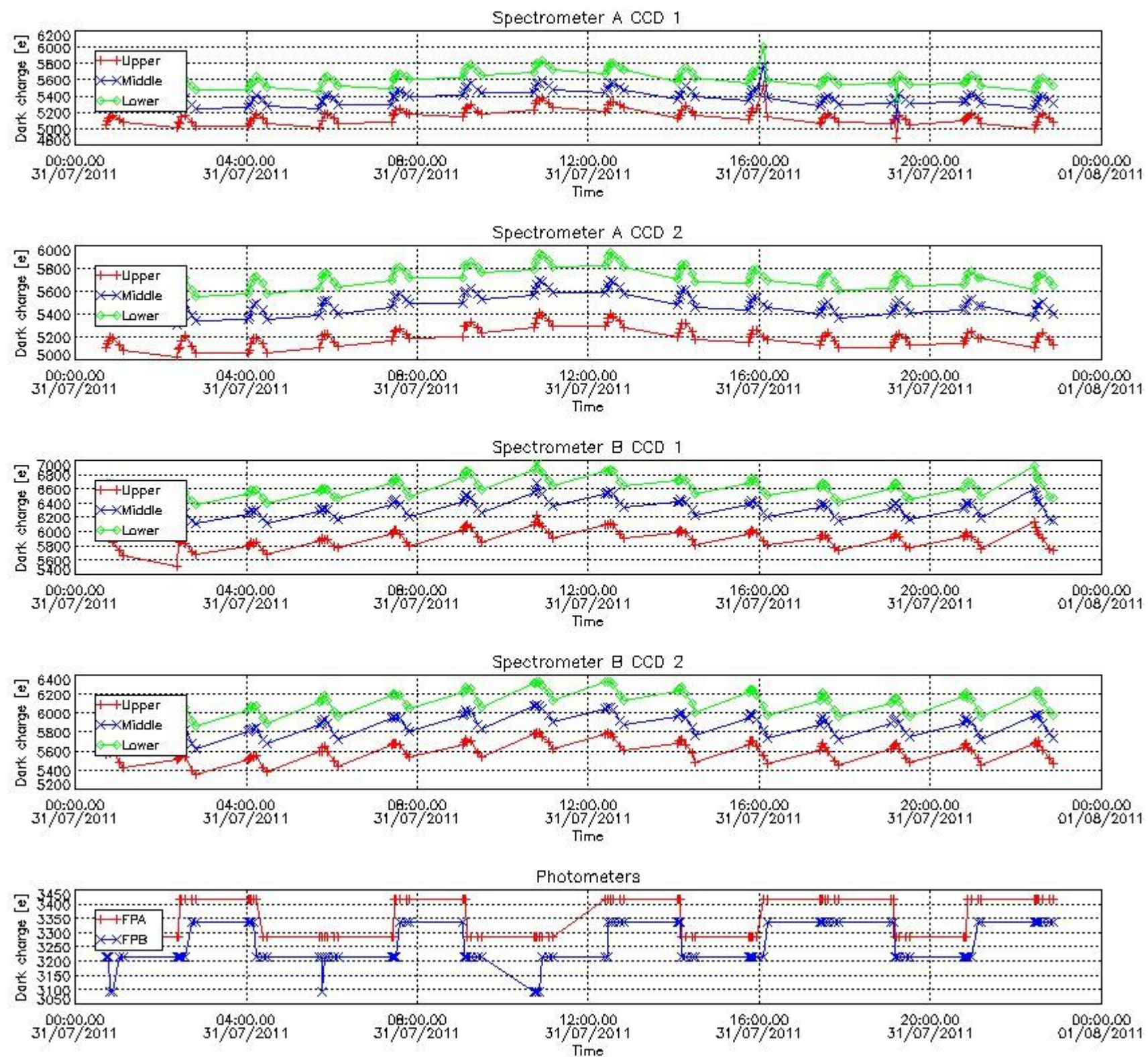
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20110731_194121_000000433105_00100_49252_9714.N1 | DC map used |
| GOM_TRA_1PNPDE20110731_194428_000000463105_00100_49252_9715.N1 | DC map used |
| GOM_TRA_1PNPDE20110731_200011_000000393105_00100_49252_9716.N1 | DC map used |
| GOM_TRA_1PNPDE20110731_200845_000000433105_00100_49252_9717.N1 | DC map used |
| GOM_TRA_1PNPDE20110731_201043_000000383105_00100_49252_9718.N1 | DC map used |
| GOM_TRA_1PNPDE20110731_201715_000000413105_00100_49252_9719.N1 | DC map used |
| GOM_TRA_1PNPDE20110731_203159_000000503105_00100_49252_9720.N1 | DC map used |
| GOM_TRA_1PNPDE20110731_203339_000000523105_00100_49252_9721.N1 | DC map used |
| GOM_TRA_1PNPDE20110731_203545_000000563105_00100_49252_9722.N1 | DC map used |
| GOM_TRA_1PNPDE20110731_203737_000000683105_00100_49252_9723.N1 | DC map used |
| GOM_TRA_1PNPDE20110731_204059_000000473105_00100_49252_9724.N1 | DC map used |
| GOM_TRA_1PNPDE20110731_204304_000000433105_00100_49252_9725.N1 | DC map used |
| GOM_TRA_1PNPDE20110731_204534_000000563105_00100_49252_9726.N1 | DC map used |
| GOM_TRA_1PNPDE20110731_204735_000000433105_00100_49252_9727.N1 | DC map used |

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



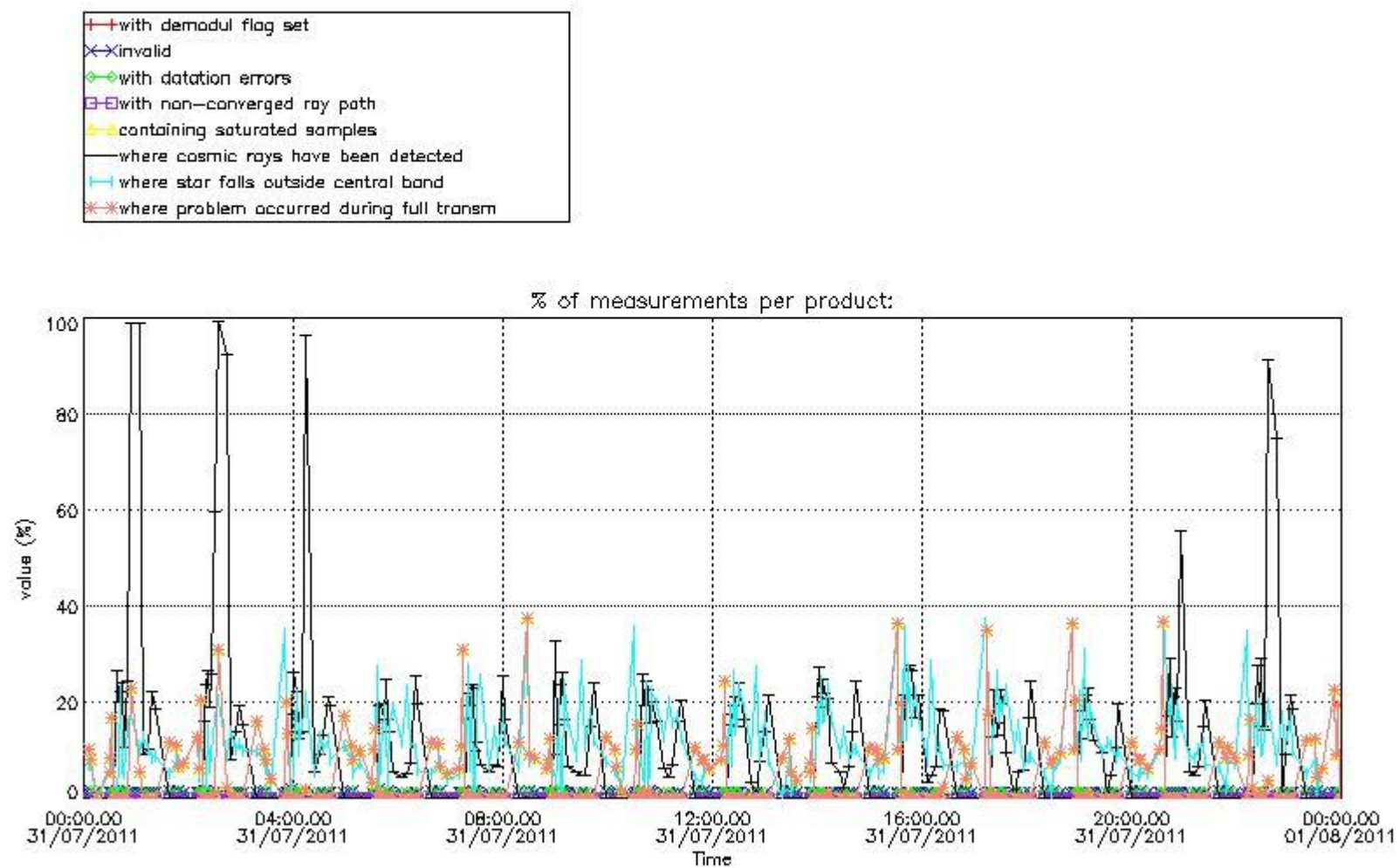
5. Demodulation flag and quality information monitoring

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.

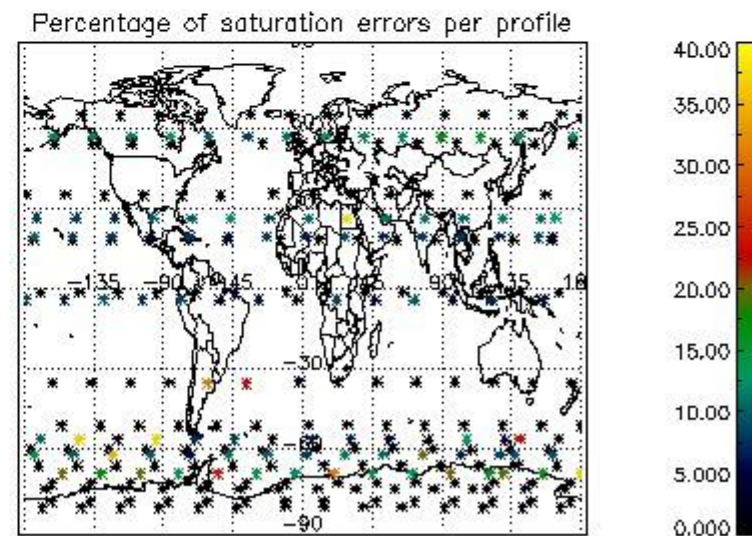
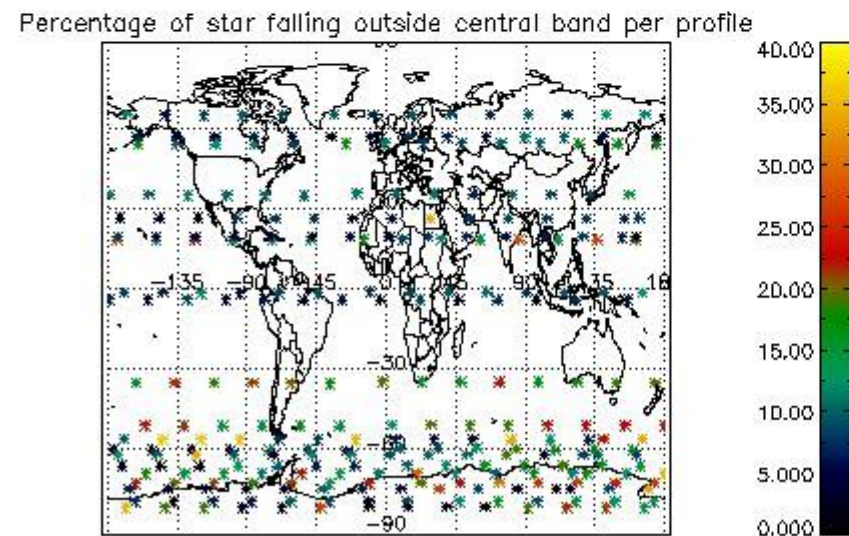
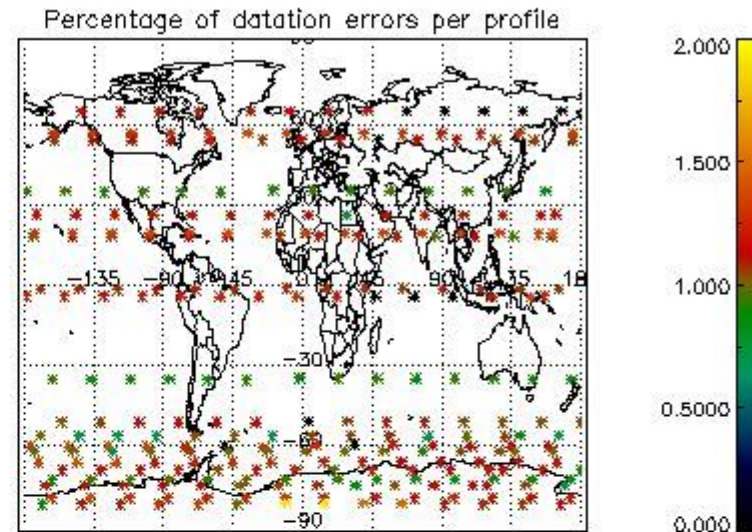
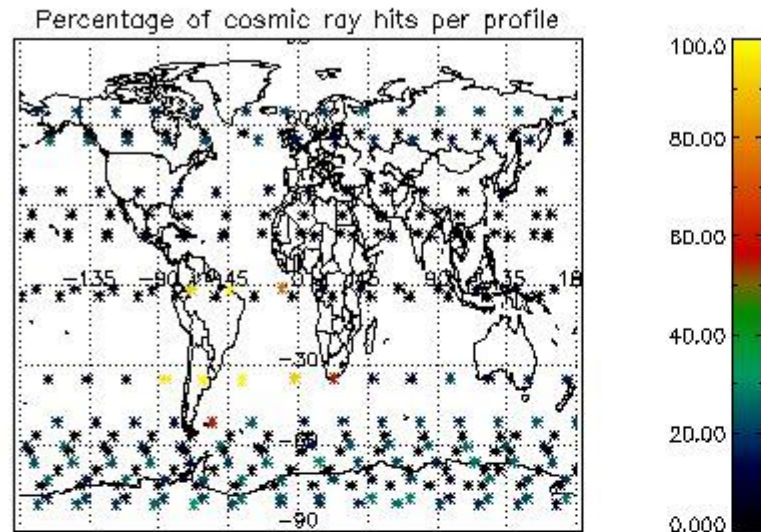
5.1 Percentage of products during reporting period with:

| | |
|---|-----------|
| At least one measurement with demodulation flag set: | 51.9164 % |
| Reference spectrum computed from DB: | 0.00000 % |
| Reference spectrum with small number of measurements: | 0.00000 % |
| SATU data not used: | 44.9477 % |

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



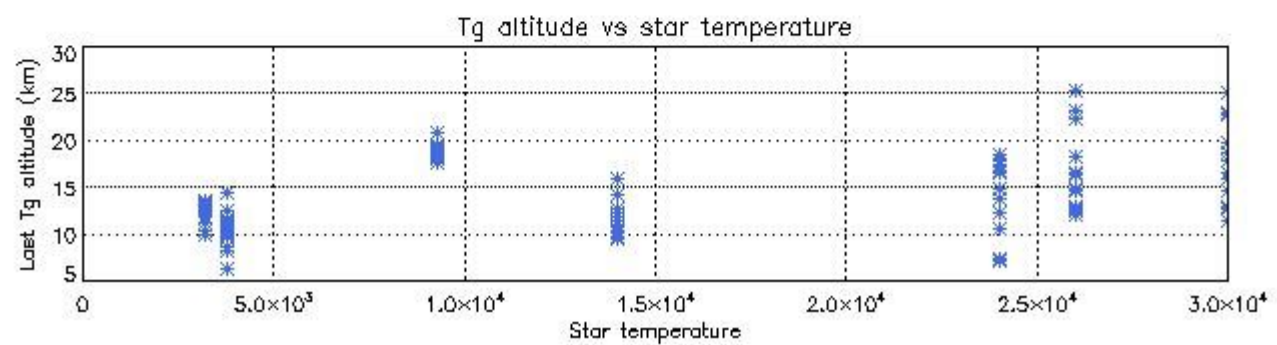
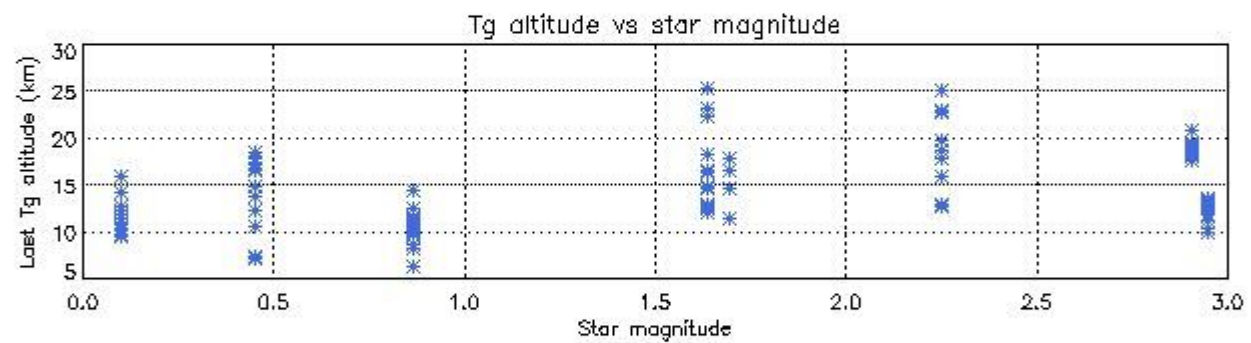
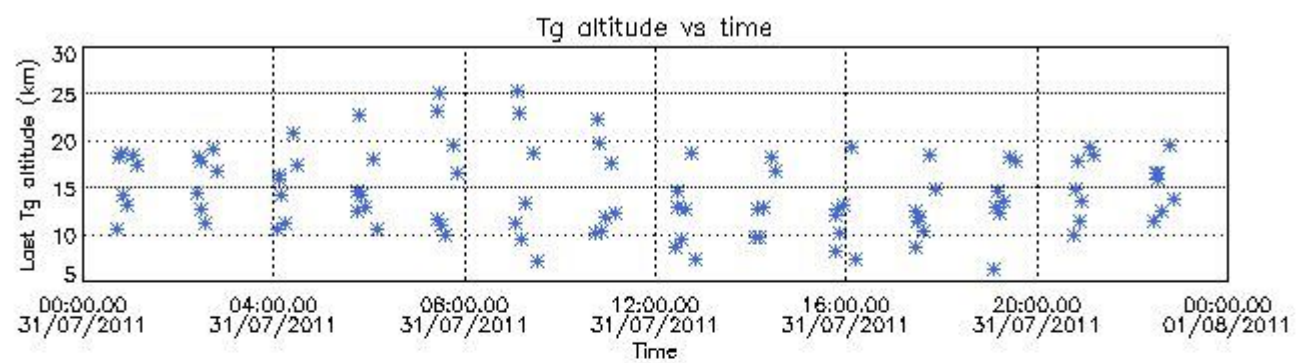
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

| Statistics | DARK | BRIGHT | TWILIGHT |
|-----------------|--------|--------|----------|
| Mean: | 14.458 | 18.184 | NaN |
| St. deviation: | 4.1765 | 5.8260 | NaN |
| Maximum: | 25.403 | 29.590 | NaN |
| Minimum: | 6.3628 | 3.4981 | NaN |
| Number of data: | 98.000 | 129.00 | NaN |

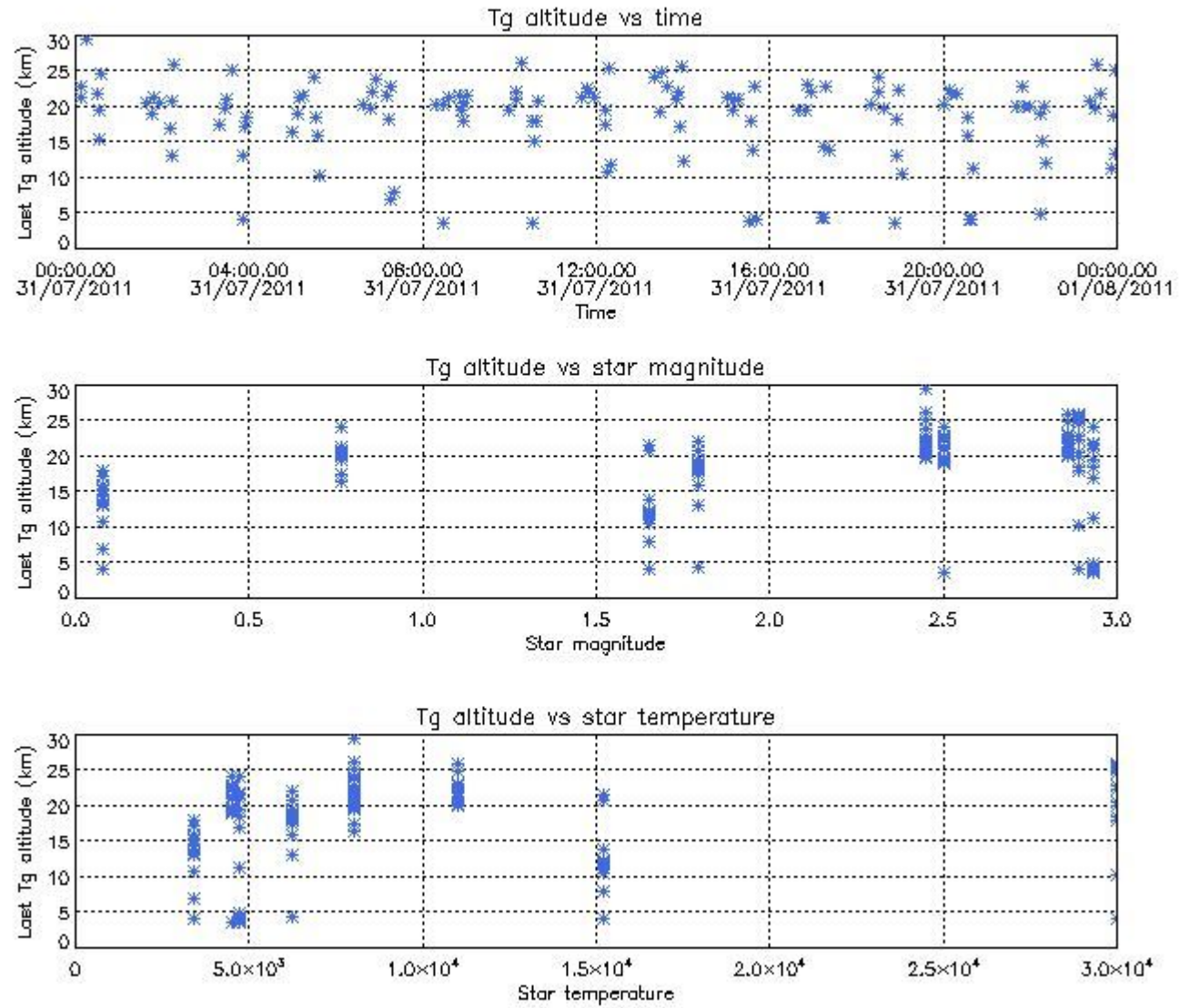
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

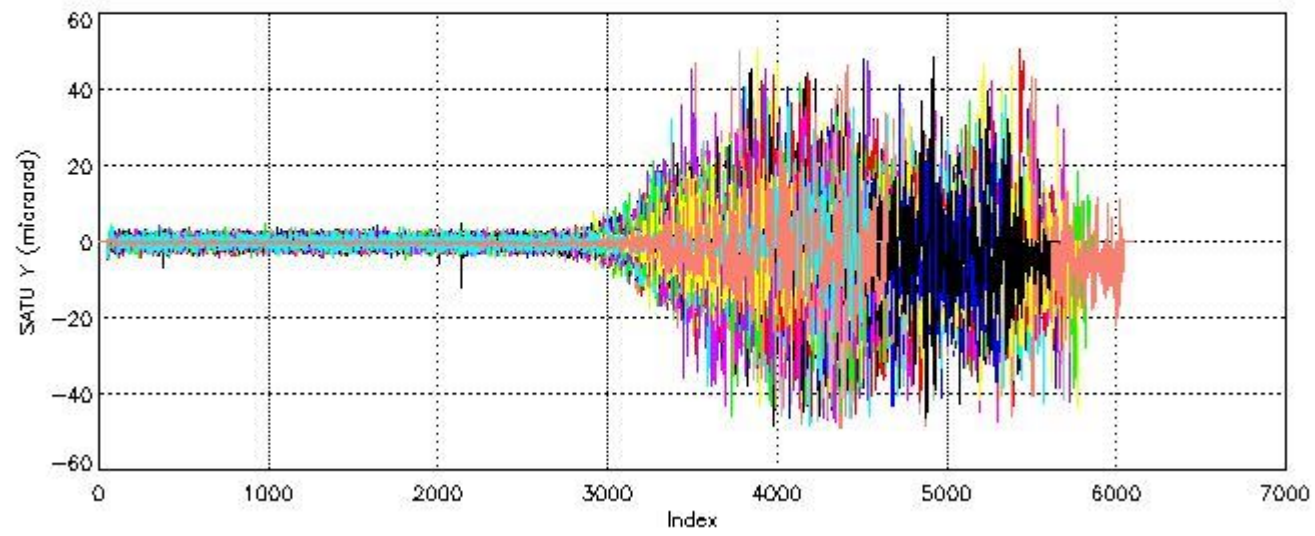
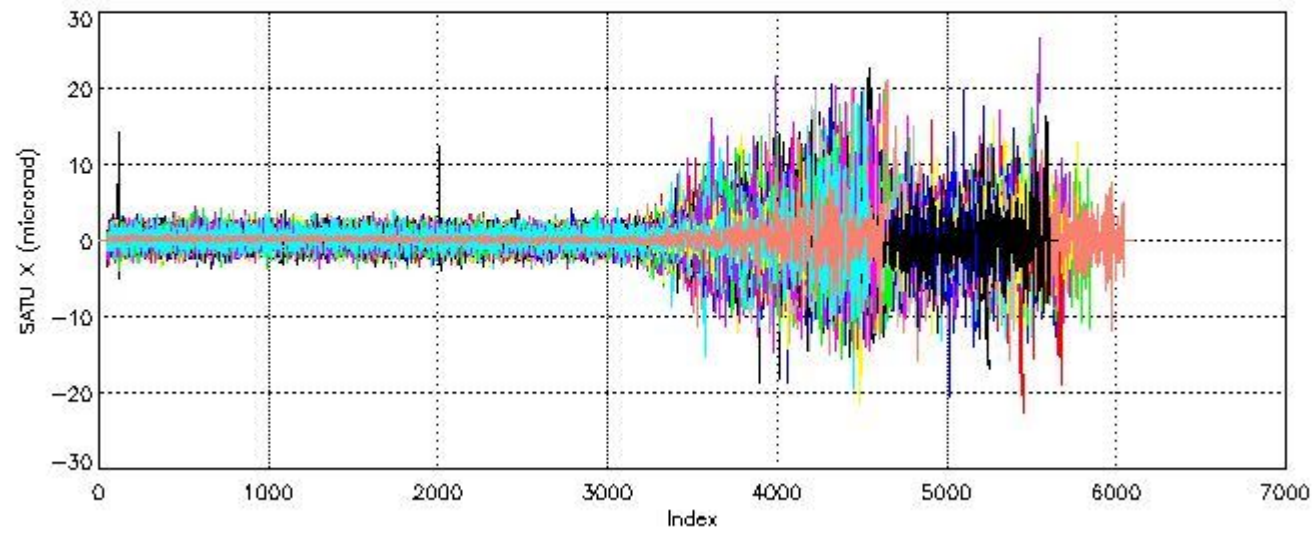


7. Star Acquisition and Tracking Unit (SATU)

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: | 0.14818 | -0.22965 | 0.18489 | -0.23498 |
| St. deviation: | 0.44771 | 0.50715 | 0.74678 | 0.83476 |
| Maximum: | 14.100 | 4.9000 | 18.800 | 8.1000 |
| Minimum: | -4.9000 | -7.1000 | -20.800 | -13.600 |

| | | | | |
|-----------------|---------|---------|------------|------------|
| Number of data: | 98050. | 98050. | 1.3005E+05 | 1.3005E+05 |
| 90Percentile: | 0.70000 | 0.40000 | 1.2000 | 0.80000 |

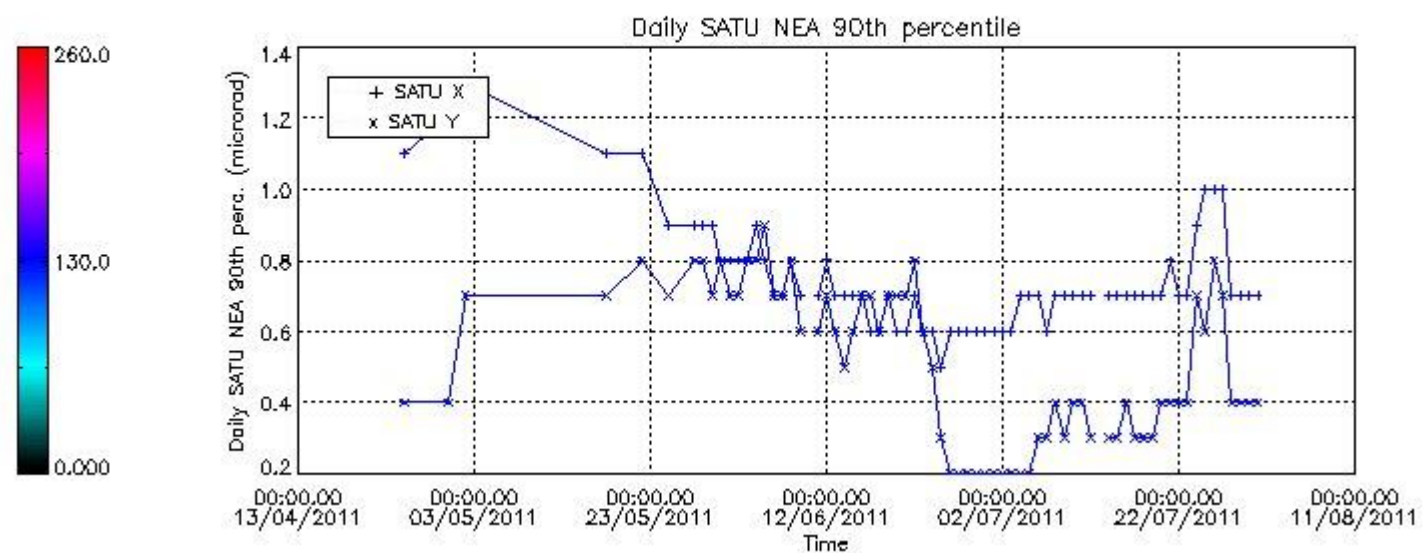
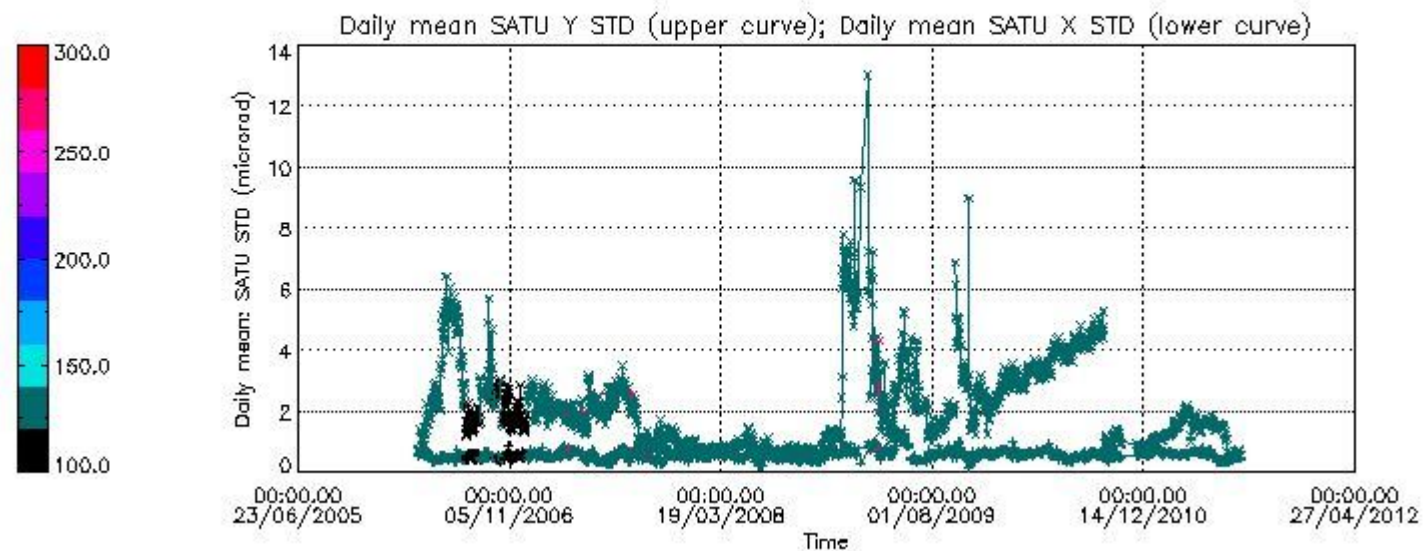
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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

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

Upper curve: STD of SATU Y axis

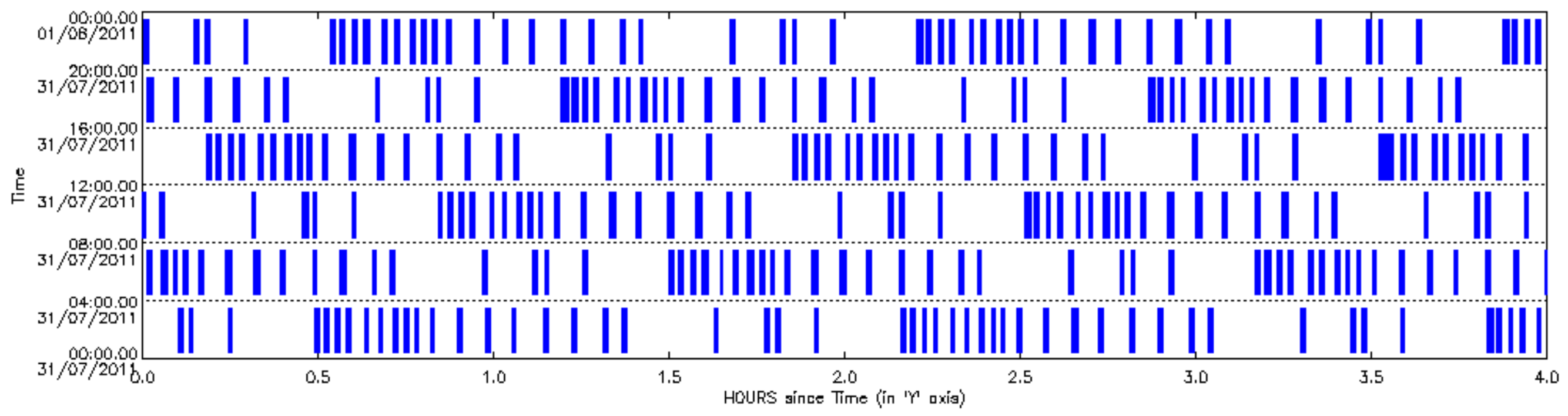
Lower curve: STD of SATU X axis

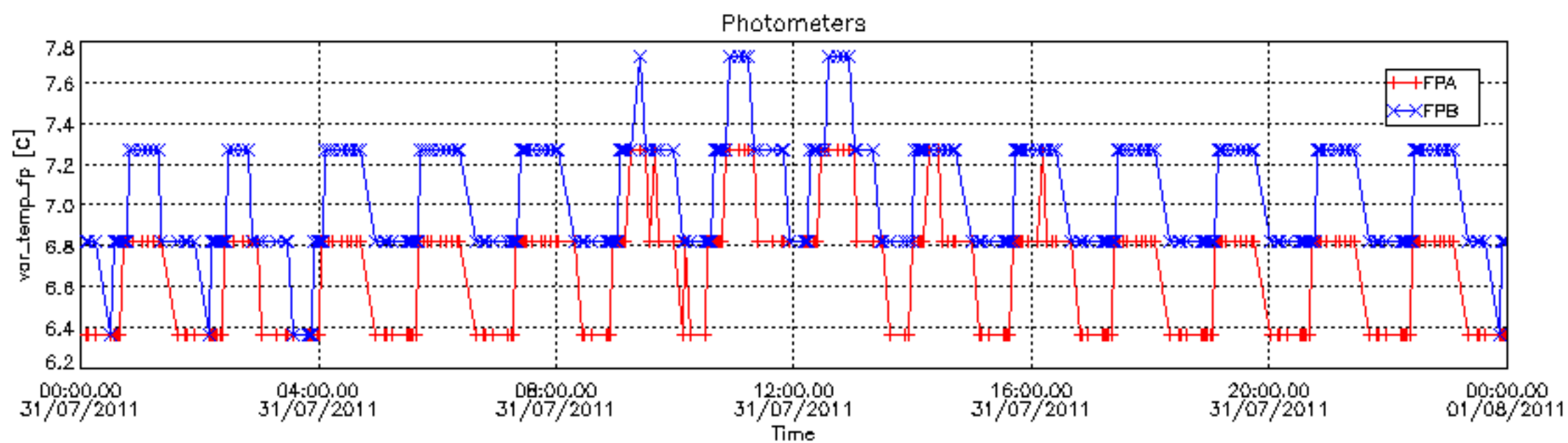
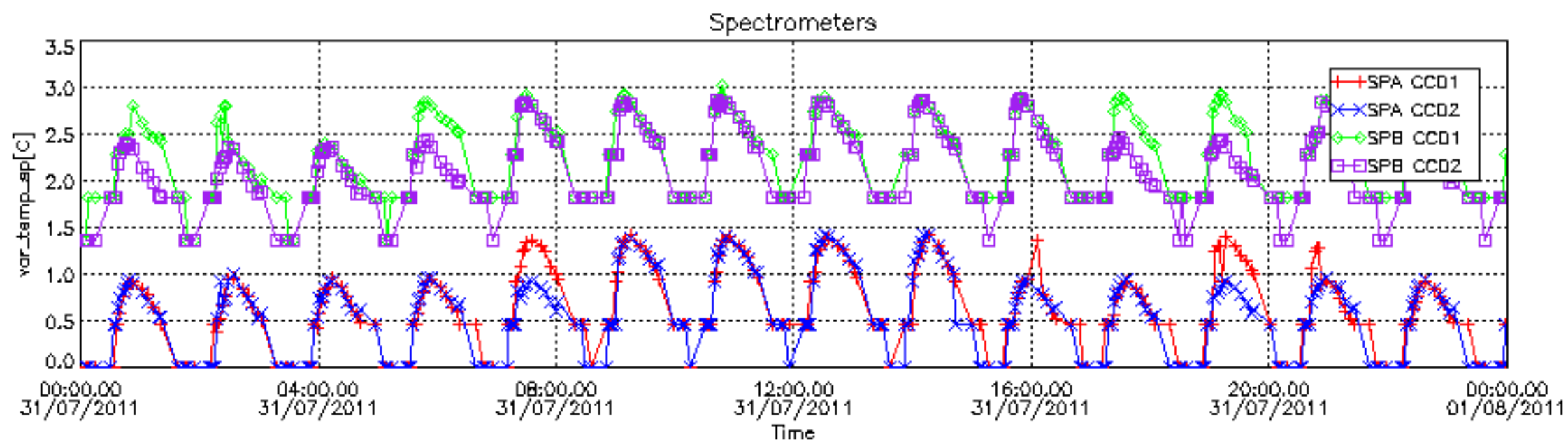


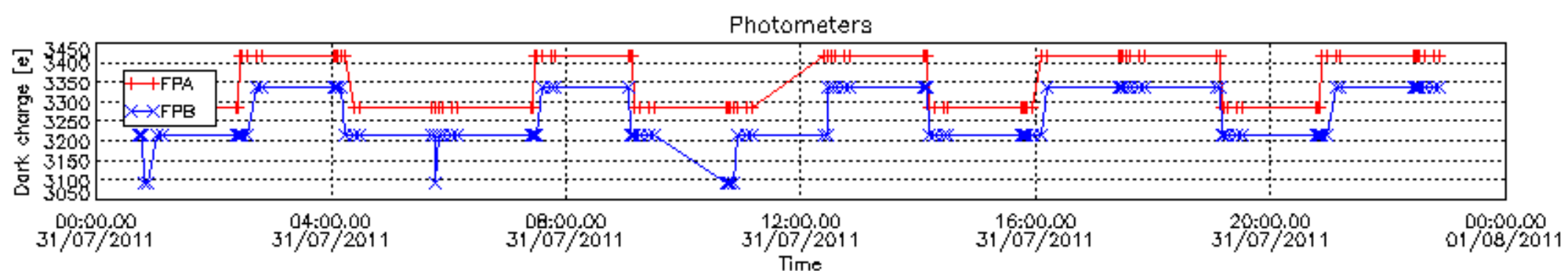
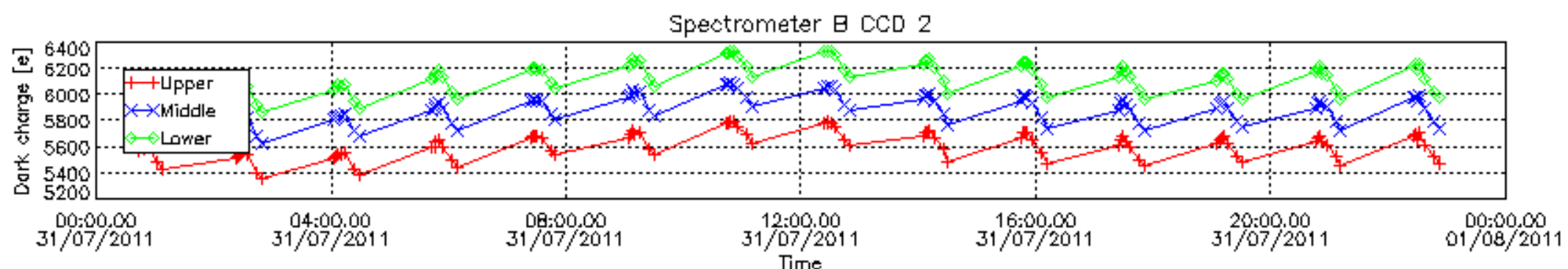
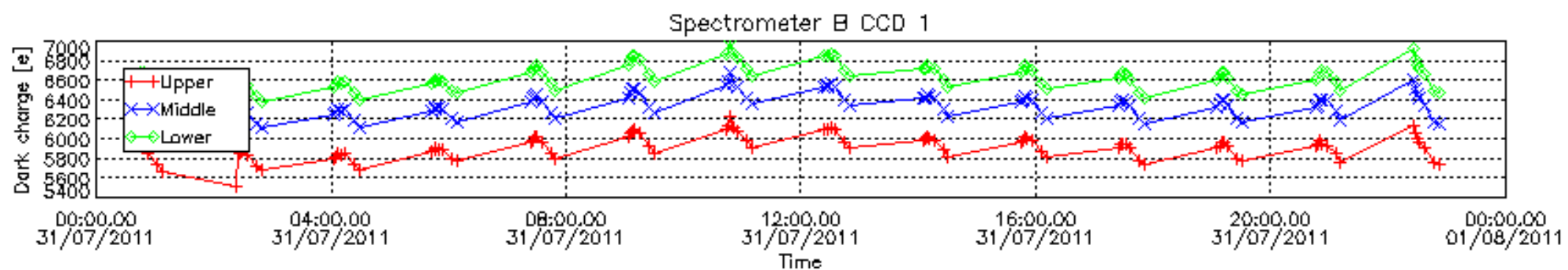
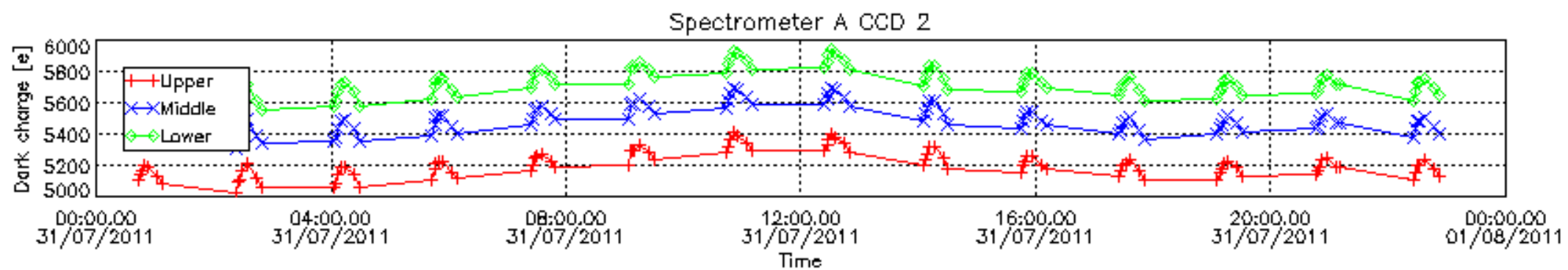
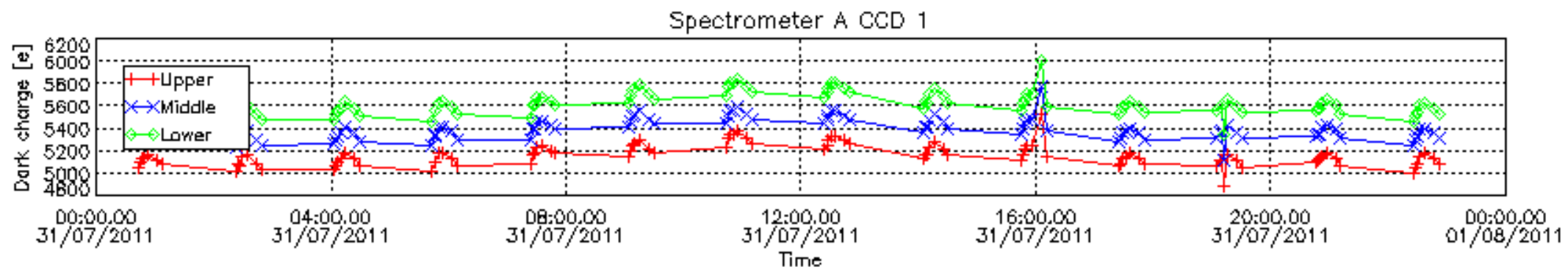
8. Auxiliary Data Files used for the production reported in section 2.4

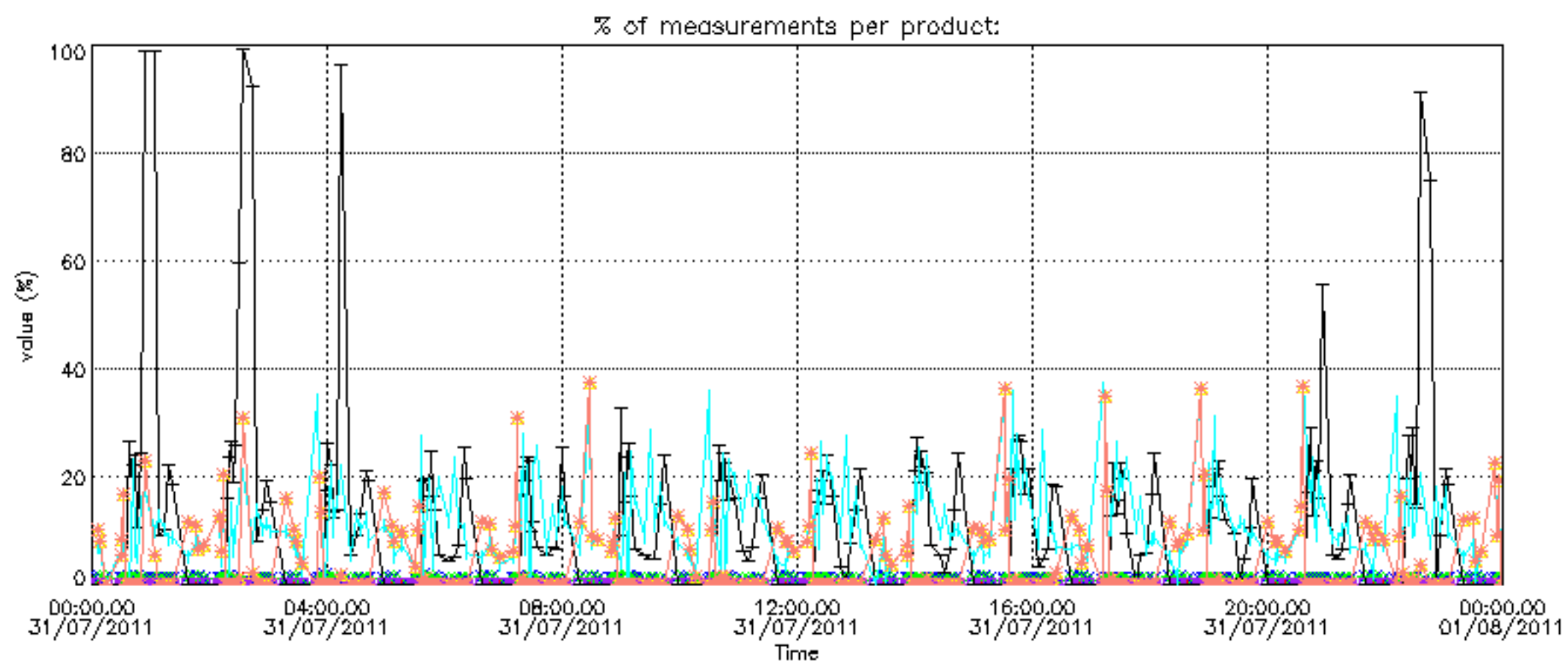
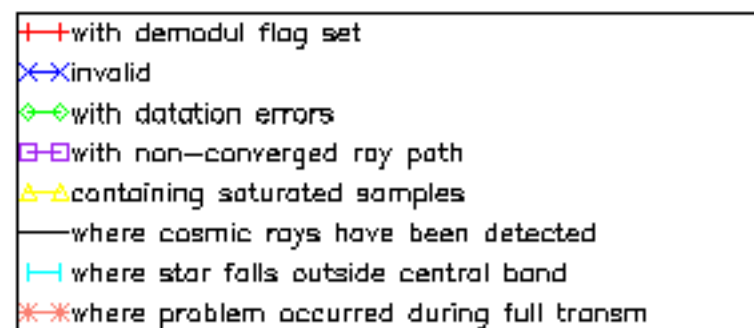
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

| Type | Auxiliary Filename | Used since product | Used since product date |
|---------------------------|---|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1 | 31-JUL-2011 00:06:03 |
| CALIBRATION_DATABASE | GOM_CAL_AXVIEC20110727_140829_20110725_000000_20500101_000000 | 1 | 31-JUL-2011 00:06:03 |
| LEVEL-1B_PROC_CONFIG | GOM_PR1_AXVIEC20110513_081743_20020301_000000_20500101_000000 | 1 | 31-JUL-2011 00:06:03 |
| STAR_CATALOGUE | GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000 | 1 | 31-JUL-2011 00:06:03 |
| STELLAR_SPECTRA_DATABANK | GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000 | 1 | 31-JUL-2011 00:06:03 |
| ECMWF_FILE | AUX_ECF_AXNECM20110730_064150_20110730_210000_20110731_090000 | 1 | 31-JUL-2011 00:06:03 |
| ECMWF_FILE | AUX_ECF_AXNECM20110730_180150_20110731_030000_20110731_150000 | 44 | 31-JUL-2011 03:49:43 |
| ECMWF_FILE | AUX_ECA_AXNECM20110731_063124_20110730_210000_20110731_090000 | 64 | 31-JUL-2011 05:29:56 |
| ECMWF_FILE | AUX_ECF_AXNECM20110730_180150_20110731_030000_20110731_150000 | 100 | 31-JUL-2011 08:18:34 |
| ECMWF_FILE | AUX_ECF_AXNECM20110731_063125_20110731_090000_20110731_210000 | 120 | 31-JUL-2011 09:58:48 |
| ECMWF_FILE | AUX_ECF_AXNECM20110731_063125_20110731_150000_20110801_030000 | 200 | 31-JUL-2011 16:39:43 |
| ECMWF_FILE | AUX_ECA_AXNECM20110731_181124_20110731_090000_20110731_210000 | 219 | 31-JUL-2011 18:04:14 |
| ECMWF_FILE | AUX_ECF_AXNECM20110731_063125_20110731_150000_20110801_030000 | 253 | 31-JUL-2011 20:51:58 |
| ECMWF_FILE | AUX_ECF_AXNECM20110731_063125_20110731_210000_20110801_090000 | 274 | 31-JUL-2011 22:36:50 |
| OPTIONAL_ECMWF_FILE | MISSING | 1 | 31-JUL-2011 00:06:03 |
| ORBIT_DATA_FILE | AUX_FPO_AXVPDS20110730_102147_20110729_185920_20110808_211306 | 1 | 31-JUL-2011 00:06:03 |
| ORBIT_DATA_FILE | AUX_FPO_AXVPDS20110731_103124_20110730_182236_20110809_203622 | 120 | 31-JUL-2011 09:58:48 |

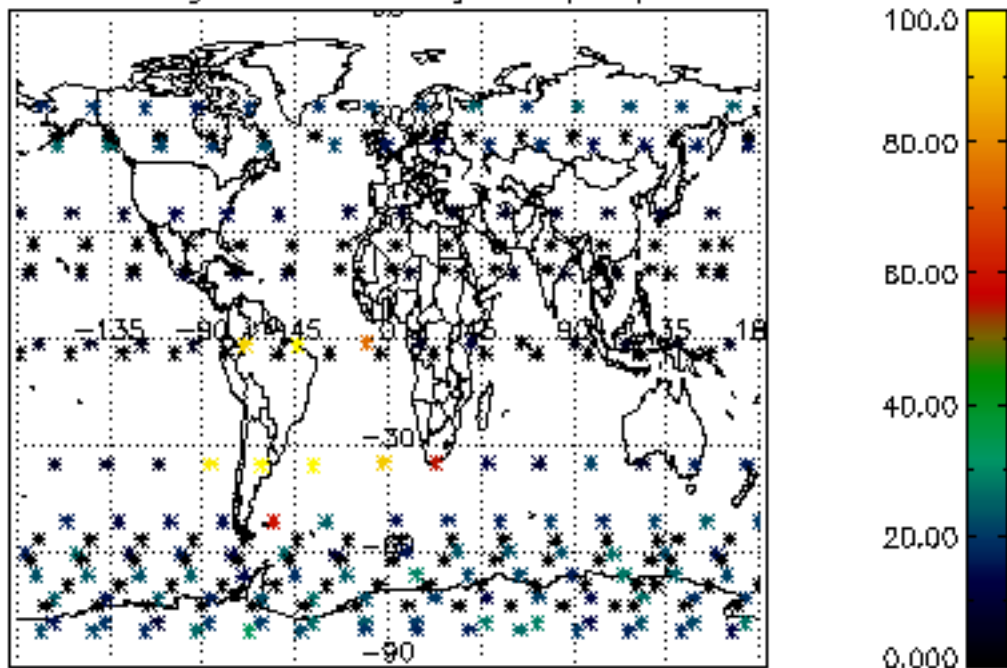




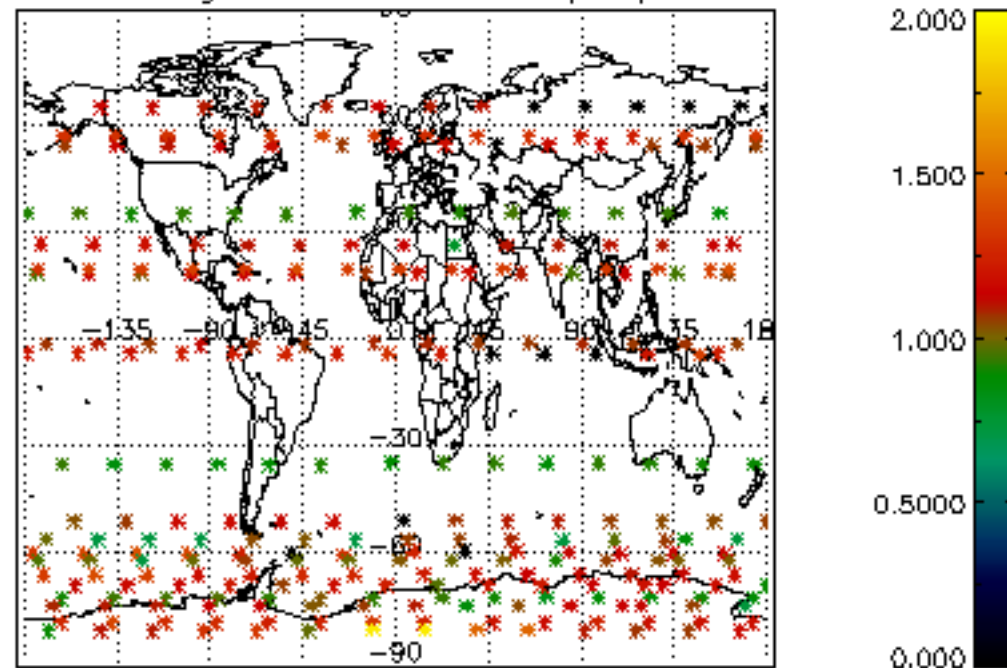




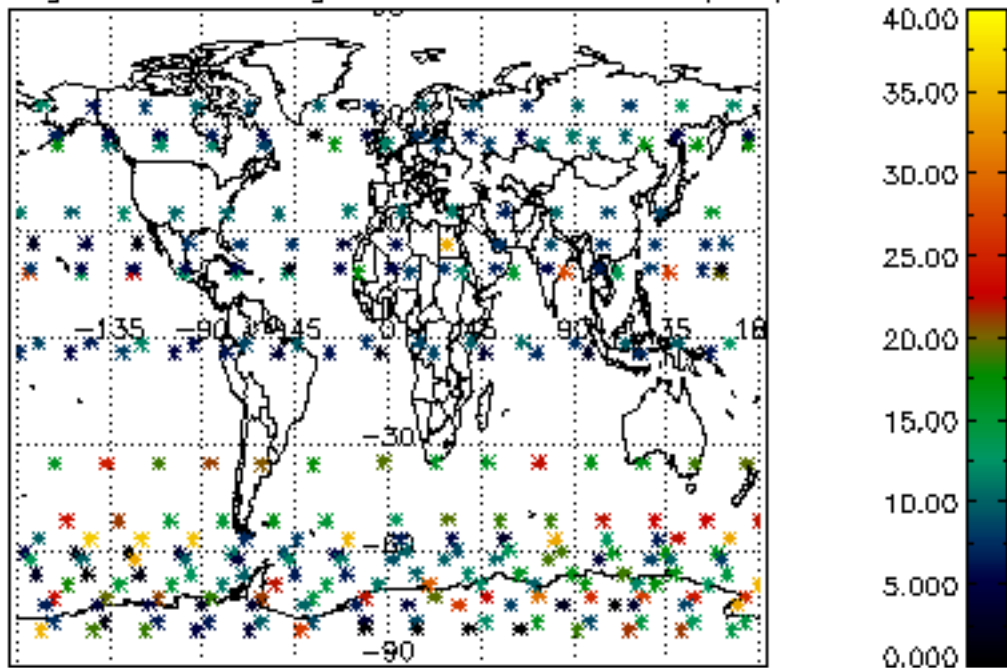
Percentage of cosmic ray hits per profile



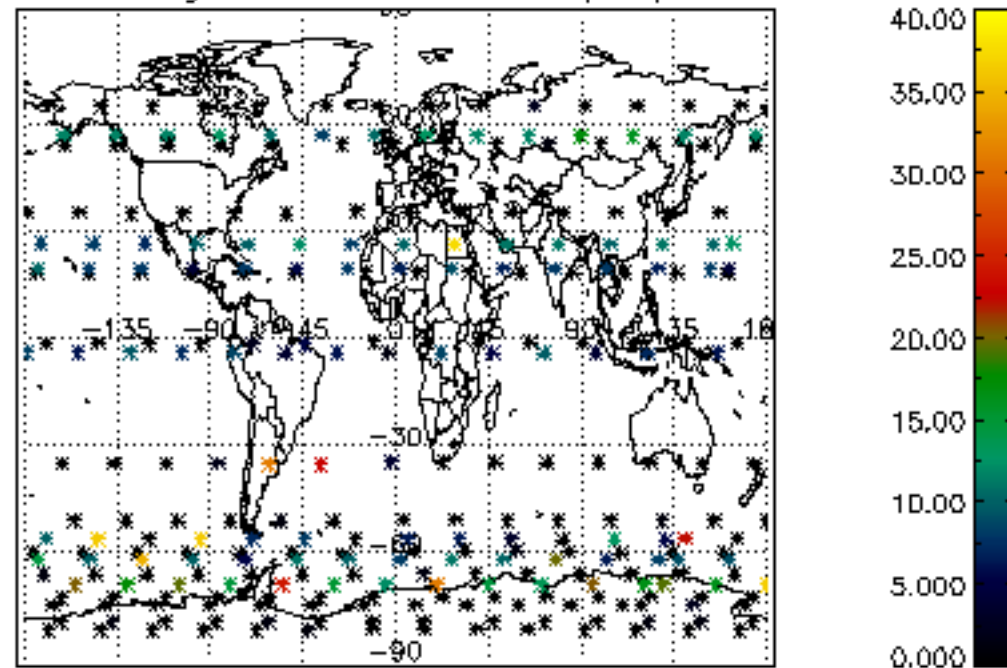
Percentage of datation errors per profile



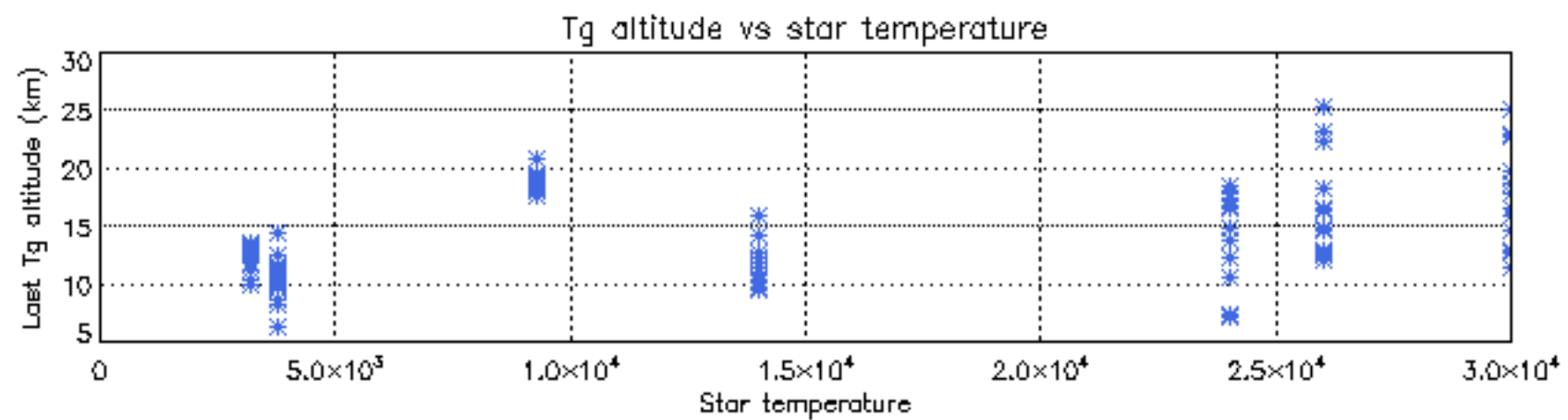
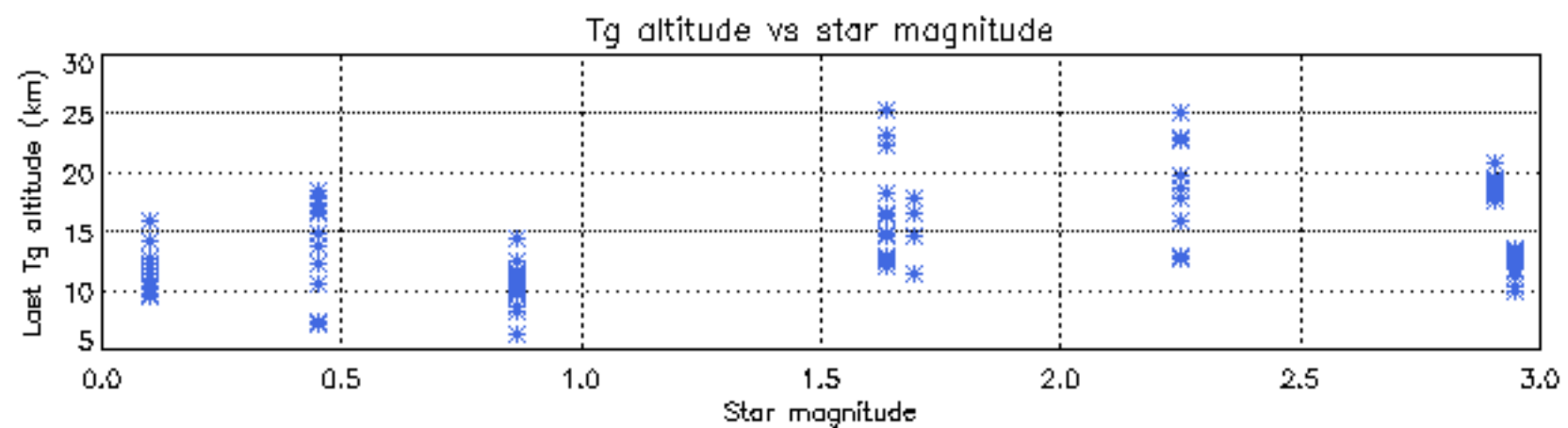
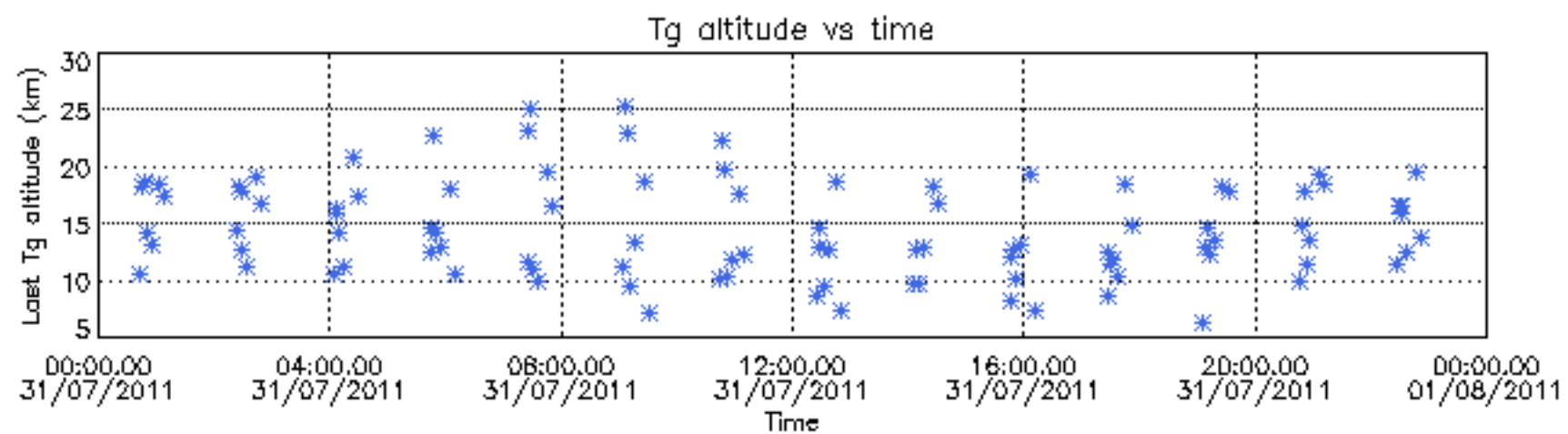
Percentage of star falling outside central band per profile



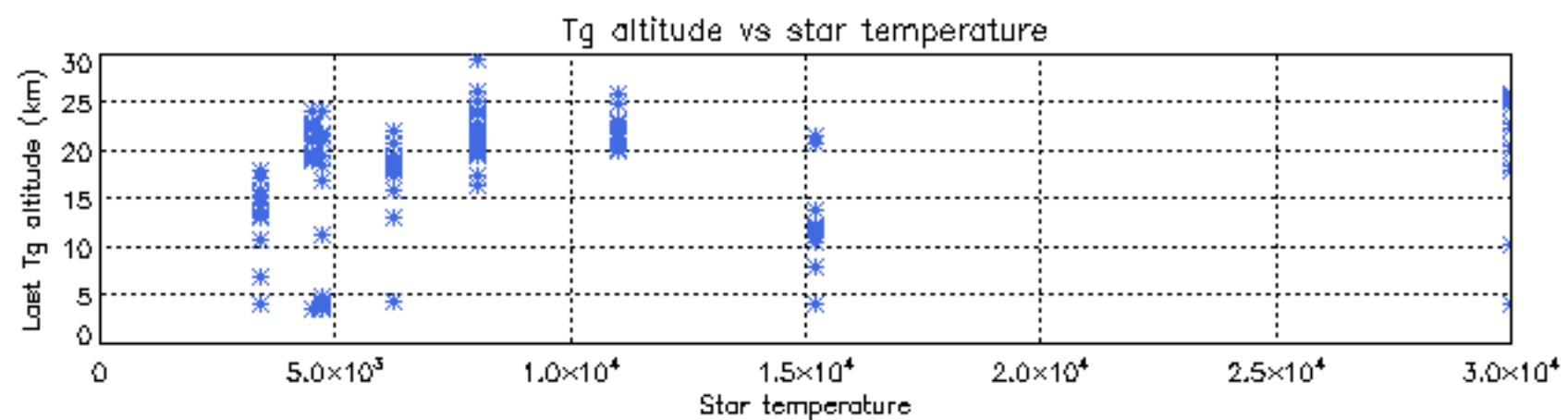
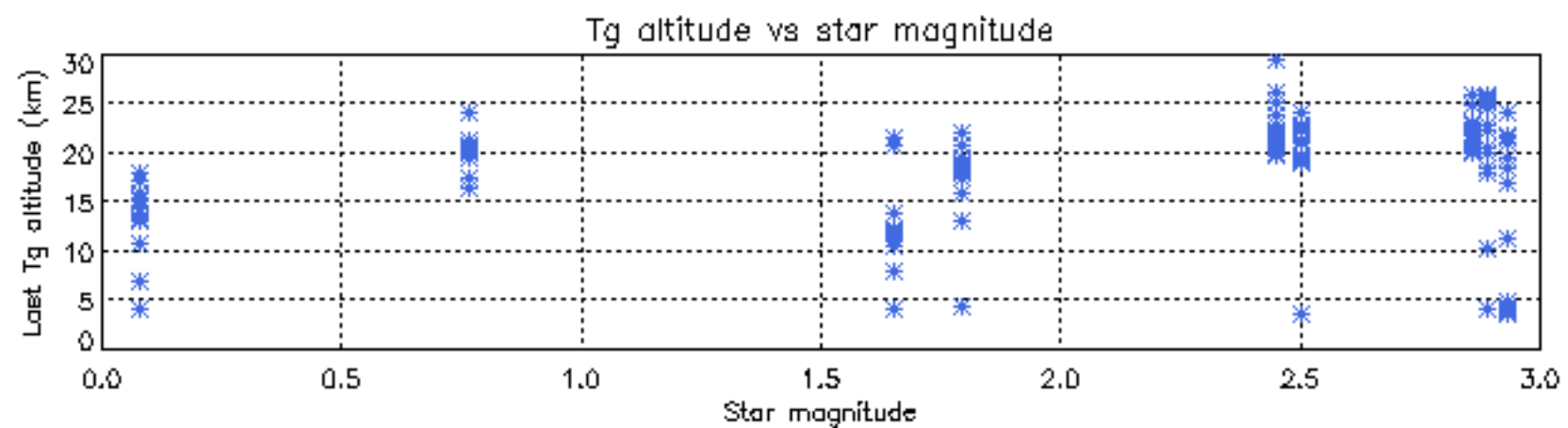
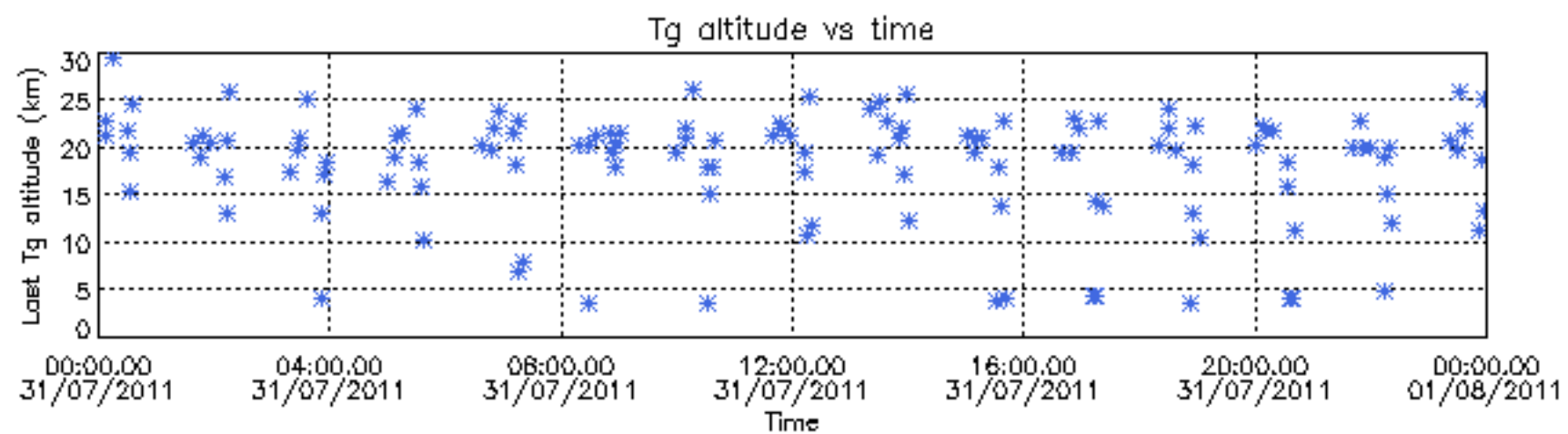
Percentage of saturation errors per profile

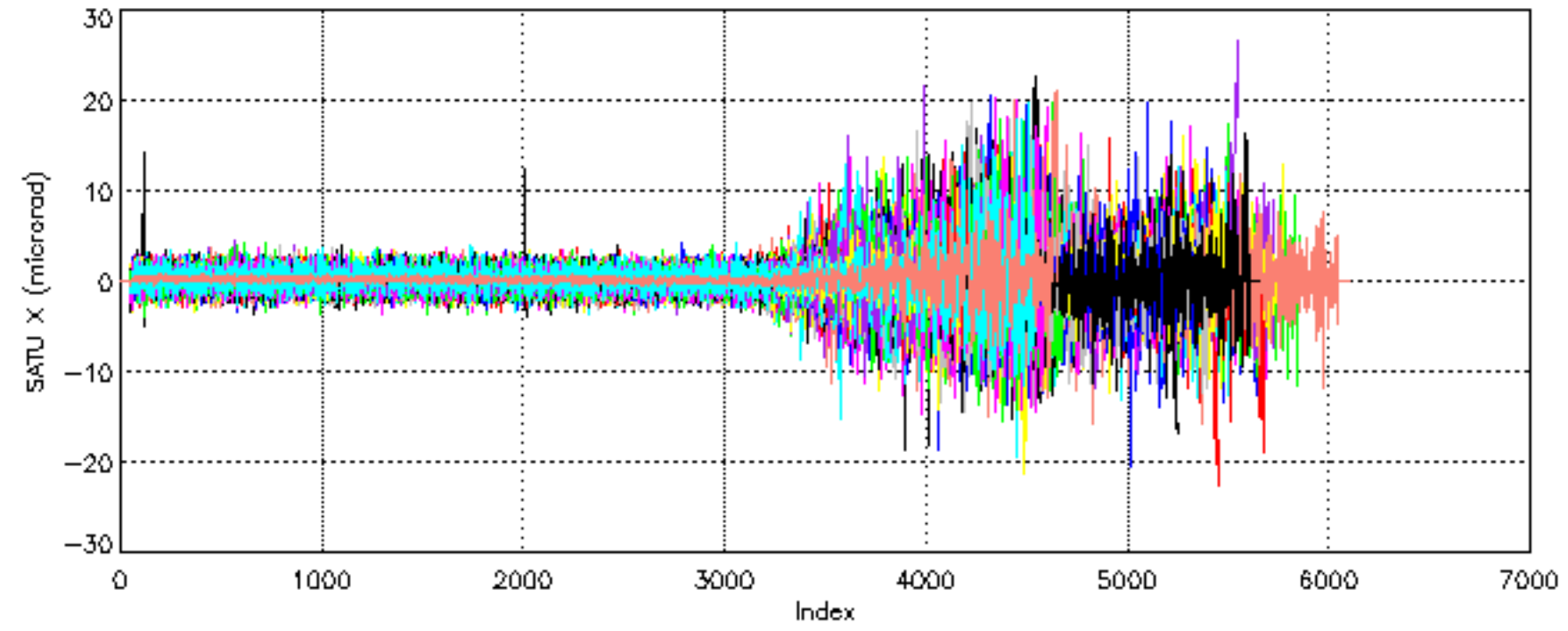


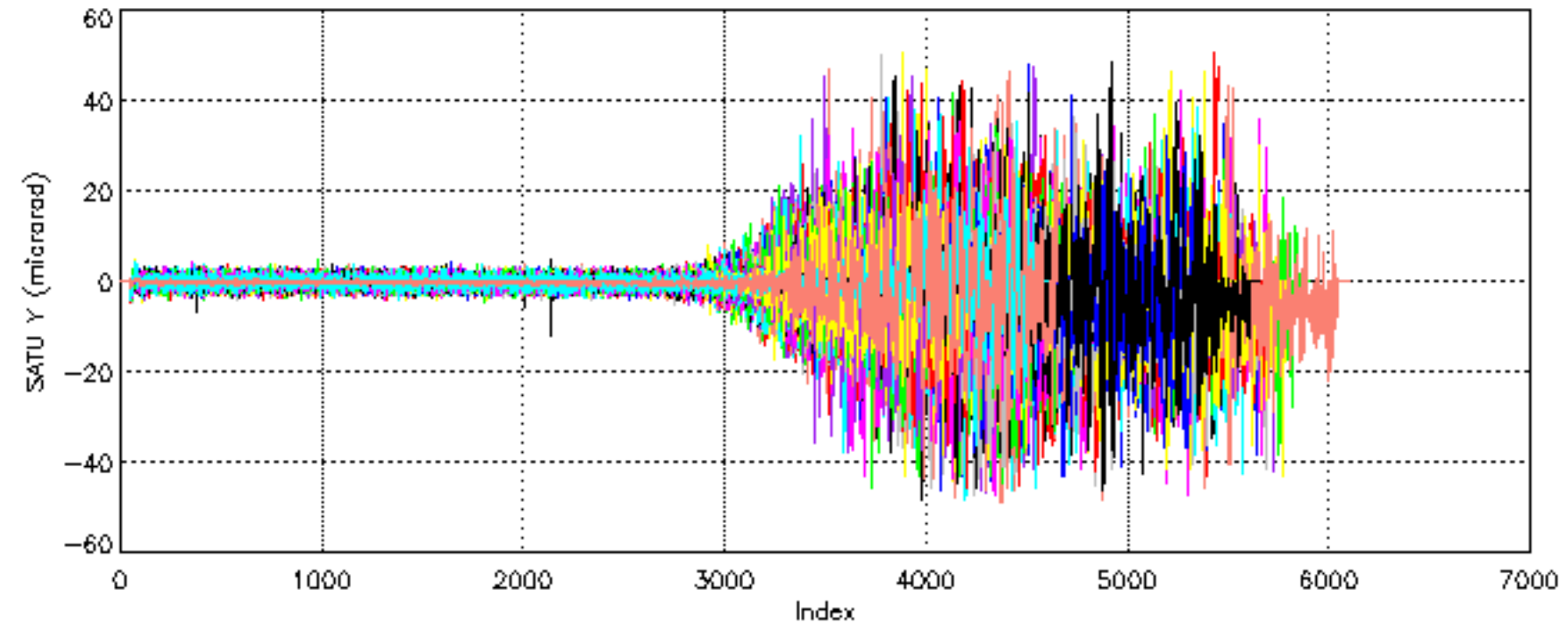
Tangent altitude at which the star is lost

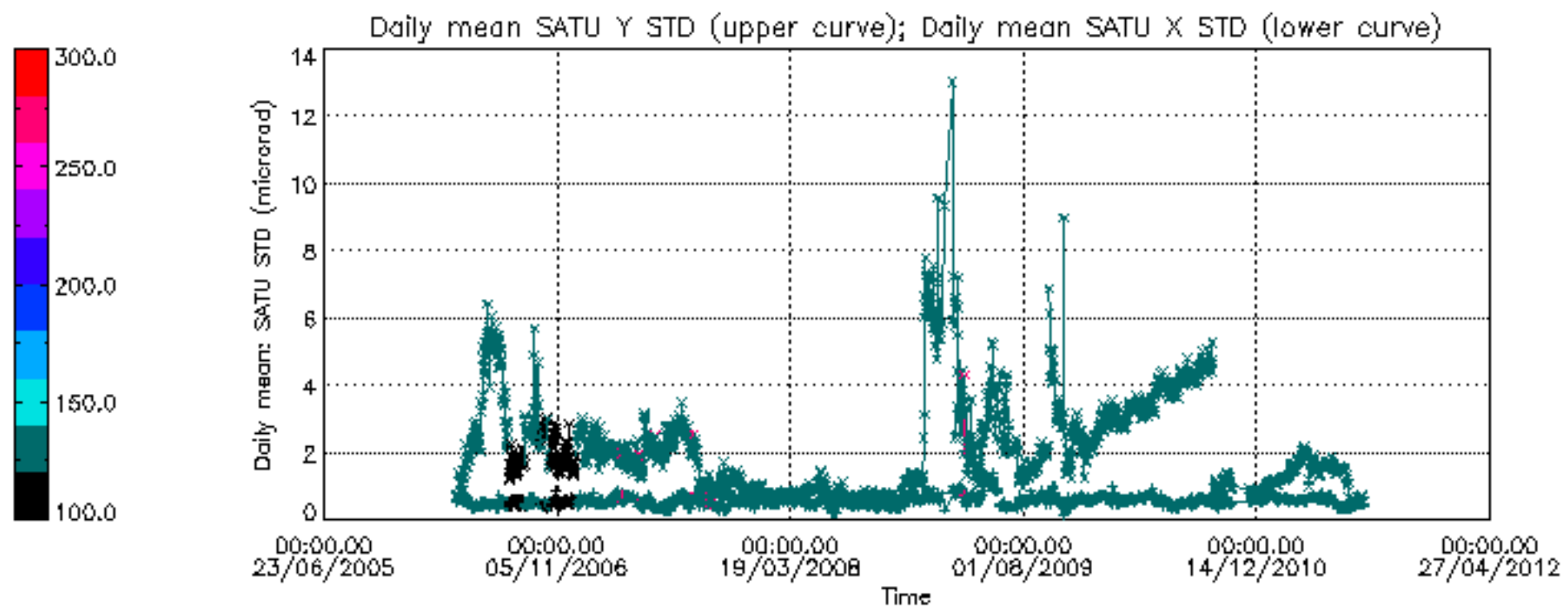


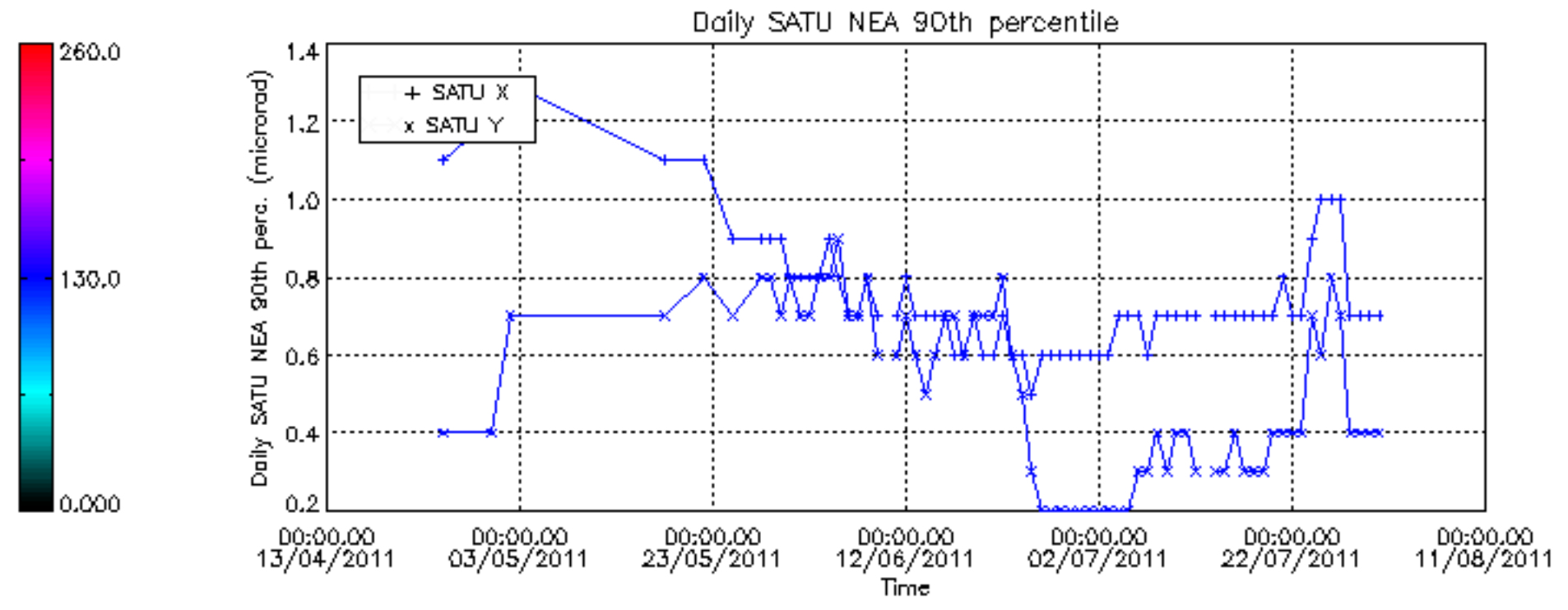
Tangent altitude at which the star is lost











```
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110701_023439_000038843104_00089_48810_6026.N1
1; -520.5; 01-JUL-2011 02:34:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48810
2; 104.4; 01-JUL-2011 02:45:04; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;48811
3; 491.2; 01-JUL-2011 02:51:31; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48811
4; 606.4; 01-JUL-2011 02:53:26; Dark ; 53.0; 31; Alp Gru ; 1.73; 15200;occ; 106; 0;48811
5; 744.1; 01-JUL-2011 02:55:43; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48811
6; 1308.9; 01-JUL-2011 03:05:08; Dark ; 49.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 98; 0;48811
7; 1472.5; 01-JUL-2011 03:07:52; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;48811
8; 1969.7; 01-JUL-2011 03:16:09; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48811
9; 2108.6; 01-JUL-2011 03:18:28; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;48811
10; 2210.9; 01-JUL-2011 03:20:10; Bright; 48.0; 168; 17Zet Aql ; 2.99; 11000;occ; 96; 0;48811
11; 2630.2; 01-JUL-2011 03:27:10; Bright; 45.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 91; 0;48811
12; 2791.4; 01-JUL-2011 03:29:51; Bright; 34.0; 130; 23Bet Dra ; 2.80; 5800;occ; 68; 0;48811
13; 2894.4; 01-JUL-2011 03:31:34; Bright; 63.0; 144; 18Del Cyg ; 2.86; 11000;occ; 126; 0;48811
14; 3316.2; 01-JUL-2011 03:38:36; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48811
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110701_034557_000056173104_00090_48811_6027.N1
1;-2256.8; 01-JUL-2011 03:45:57; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;48811
2;-2161.3; 01-JUL-2011 03:47:32; Bright; 44.5; 110; 37Del Cas ; 2.68; 8900;occ; 89; 0;48811
3;-1972.6; 01-JUL-2011 03:50:41; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48811
4;-1868.4; 01-JUL-2011 03:52:25; Bright; 34.0; 175; 39Del Per ; 3.01; 19400;occ; 68; 0;48811
5;-1770.7; 01-JUL-2011 03:54:03; Bright; 66.0; 73; 57Gam1And ; 2.26; 13100;occ; 132; 0;48811
6;-1611.4; 01-JUL-2011 03:56:42; Dark ; 49.5; 173; 4Bet Tri ; 3.00; 8900;occ; 99; 0;48811
7;-1354.4; 01-JUL-2011 04:00:59; Dark ; 57.5; 50; 13Alp Ari ; 2.01; 4250;occ; 115; 0;48811
8;-1054.6; 01-JUL-2011 04:05:59; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 0;48811
9; -519.6; 01-JUL-2011 04:14:54; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48811
10; 105.4; 01-JUL-2011 04:25:19; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;48812
11; 492.2; 01-JUL-2011 04:31:46; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48812
12; 607.4; 01-JUL-2011 04:33:41; Dark ; 52.5; 31; Alp Gru ; 1.73; 15200;occ; 105; 0;48812
13; 744.7; 01-JUL-2011 04:35:58; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48812
14; 1309.2; 01-JUL-2011 04:45:23; Dark ; 44.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 89; 0;48812
15; 1472.7; 01-JUL-2011 04:48:06; Bright; 43.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 87; 0;48812
16; 1969.8; 01-JUL-2011 04:56:23; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48812
17; 2108.5; 01-JUL-2011 04:58:42; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48812
18; 2210.4; 01-JUL-2011 05:00:24; Bright; 46.5; 168; 17Zet Aql ; 2.99; 11000;occ; 93; 0;48812
19; 2629.8; 01-JUL-2011 05:07:23; Bright; 44.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 88; 0;48812
20; 2791.3; 01-JUL-2011 05:10:05; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;48812
21; 2893.6; 01-JUL-2011 05:11:47; Bright; 48.0; 144; 18Del Cyg ; 2.86; 11000;occ; 96; 0;48812
22; 3315.6; 01-JUL-2011 05:18:49; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48812
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4; 3125.6; 23-JUL-2011 10:09:59; Bright; 42.0; 89; 5Alp Cep ; 2.45; 8000;occ; 84; 0;49131
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