

GOMOS Daily Report 12-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 | 15APR2010 04:51:08 |
| Data source version | GOMOS/5.00L04 |
| Start time of products | 12APR2010 00:06:01 |
| Stop time of products | 12APR2010 23:49:35 |
| Store outputs in DB | Yes |
| Nb of level 1b prods | 138 |
| Nb of prods with errors | 2 |

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

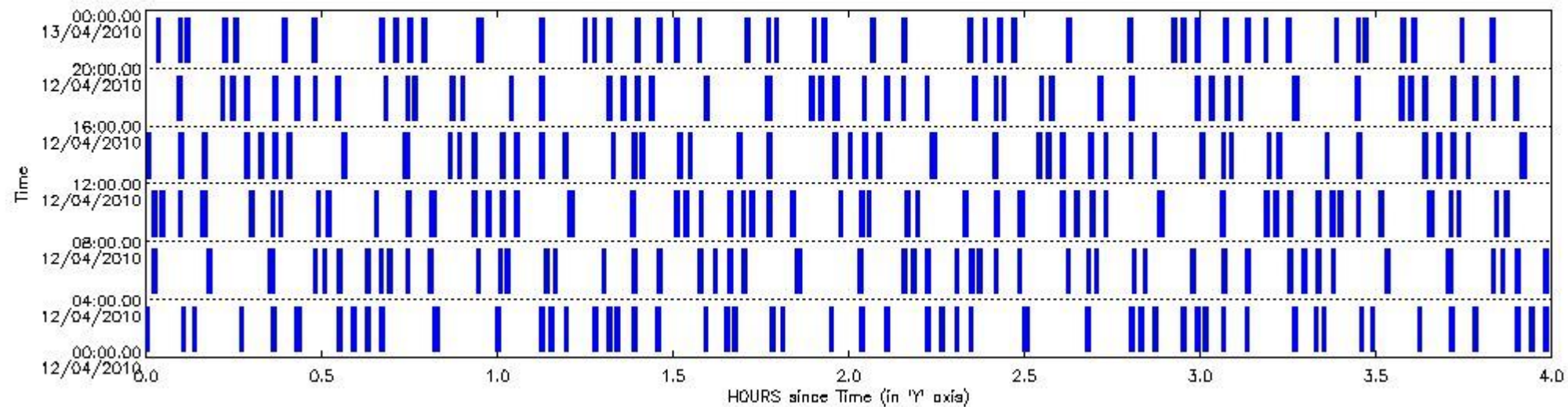
2.1 Level 0 products arrived in PCF (see template [here](#))

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

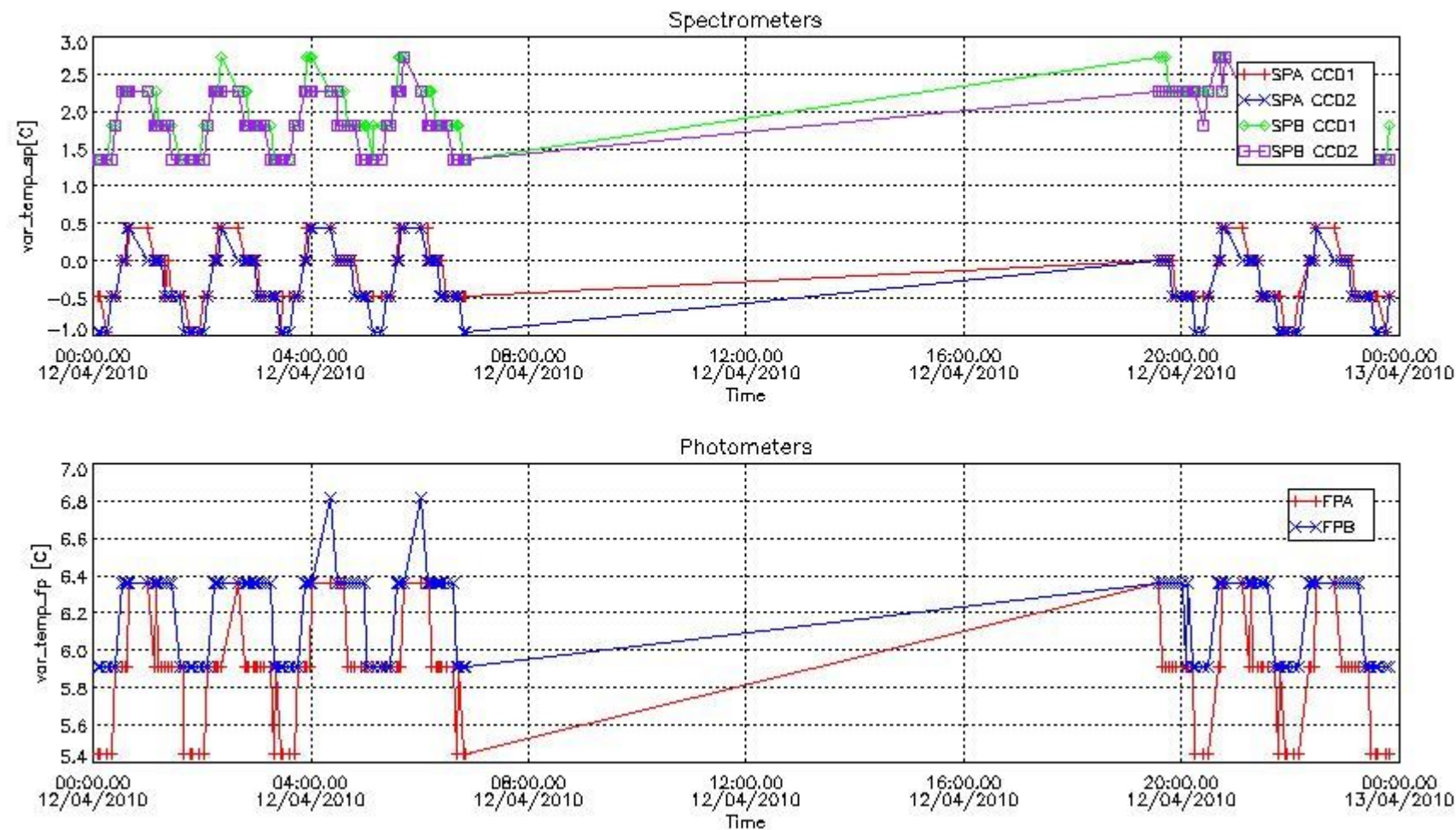
| Nr | Filename | UTC Start time | Limb | Duration | Star Id | Star Name | Star Mag | Star Temp | Nb Meas | Orbit | Prod. error |
|----|----------------------------------------------------------------|----------------------|------------|----------|---------|-----------|----------|-----------|---------|-------|-------------|
| 1 | GOM_TRA_1PNPDE20100412_000601_000000392088_00288_42426_3347.N1 | 12-APR-2010 00:06:01 | Bright | 39.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 78 | 42426 | No |
| 2 | GOM_TRA_1PNPDE20100412_000750_000000352088_00288_42426_3348.N1 | 12-APR-2010 00:07:50 | Bright | 35.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 70 | 42426 | No |
| 3 | GOM_TRA_1PNPDE20100412_001559_000000372088_00288_42426_3349.N1 | 12-APR-2010 00:15:59 | Bright | 36.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 73 | 42426 | No |
| 4 | GOM_TRA_1PNPDE20100412_002115_000000462088_00288_42426_3350.N1 | 12-APR-2010 00:21:15 | Bright | 46.000 | 19 | 50Alp Cyg | 1.2460 | 10500. | 92 | 42426 | No |
| 5 | GOM_TRA_1PNPDE20100412_002522_000000602088_00288_42426_3351.N1 | 12-APR-2010 00:25:22 | Bright | 59.500 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 119 | 42426 | No |
| 6 | GOM_TRA_1PNPDE20100412_003229_000000502088_00288_42426_3352.N1 | 12-APR-2010 00:32:29 | Twilight | 50.000 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 100 | 42426 | No |
| 7 | GOM_TRA_1PNPDE20100412_003457_000000462088_00288_42426_3353.N1 | 12-APR-2010 00:34:57 | Dark | 45.500 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 91 | 42426 | No |
| 8 | GOM_TRA_1PNPDE20100412_003724_000000482088_00288_42426_3354.N1 | 12-APR-2010 00:37:24 | Dark | 48.000 | 154 | 22Bet Aqr | 2.8990 | 5700.0 | 96 | 42426 | No |
| 9 | GOM_TRA_1PNPDE20100412_003951_000000452088_00288_42426_3359.N1 | 12-APR-2010 00:39:51 | Dark | 44.500 | 142 | 49Del Cap | 2.8500 | 8900.0 | 89 | 42426 | Yes |
| 10 | GOM_TRA_1PNPDE20100412_005937_000000532088_00289_42427_3360.N1 | 12-APR-2010 00:59:37 | Dark | 52.500 | 40 | The Sco | 1.8590 | 7100.0 | 105 | 42427 | No |
| 11 | GOM_TRA_1PNPDE20100412_010714_000000442088_00289_42427_3361.N1 | 12-APR-2010 01:07:14 | Straylight | 43.500 | 78 | Alp Lup | 2.3040 | 28000. | 87 | 42427 | No |
| 12 | GOM_TRA_1PNPDE20100412_010850_000000472088_00289_42427_3362.N1 | 12-APR-2010 01:08:50 | Straylight | 46.500 | 81 | Eta Cen | 2.3560 | 28000. | 93 | 42427 | No |

| | | | | | | | | | | | |
|----|----------------------------------------------------------------|----------------------|------------|--------|-----|-----------|---------|--------|-----|-------|----|
| 13 | GOM_TRA_1PNPDE20100412_011118_000000472088_00289_42427_3363.N1 | 12-APR-2010 01:11:18 | Straylight | 47.000 | 54 | 5The Cen | 2.0550 | 4500.0 | 94 | 42427 | No |
| 14 | GOM_TRA_1PNPDE20100412_011611_000000442088_00289_42427_3364.N1 | 12-APR-2010 01:16:11 | Twilight | 44.000 | 169 | 46Gam Hya | 2.9910 | 4700.0 | 88 | 42427 | No |
| 15 | GOM_TRA_1PNPDE20100412_011838_000000422088_00289_42427_3365.N1 | 12-APR-2010 01:18:38 | Bright | 41.500 | 163 | 7Del Crv | 2.9450 | 11000. | 83 | 42427 | No |
| 16 | GOM_TRA_1PNPDE20100412_011957_000000492088_00289_42427_3366.N1 | 12-APR-2010 01:19:57 | Bright | 49.000 | 15 | 67Alp Vir | 0.97600 | 28000. | 98 | 42427 | No |
| 17 | GOM_TRA_1PNPDE20100412_012302_000000412088_00289_42427_3367.N1 | 12-APR-2010 01:23:02 | Bright | 41.000 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 82 | 42427 | No |
| 18 | GOM_TRA_1PNPDE20100412_012700_000000412088_00289_42427_3368.N1 | 12-APR-2010 01:27:00 | Bright | 40.500 | 138 | 47Eps Vir | 2.8280 | 4700.0 | 81 | 42427 | No |
| 19 | GOM_TRA_1PNPDE20100412_013514_000000392088_00289_42427_3369.N1 | 12-APR-2010 01:35:14 | Bright | 39.000 | 152 | 12Alp2CVn | 2.8900 | 11000. | 78 | 42427 | No |
| 20 | GOM_TRA_1PNPDE20100412_013851_000000352088_00289_42427_3370.N1 | 12-APR-2010 01:38:51 | Bright | 34.500 | 87 | 64Gam UMa | 2.4330 | 11000. | 69 | 42427 | No |
| 21 | GOM_TRA_1PNPDE20100412_014010_000000372088_00289_42427_3371.N1 | 12-APR-2010 01:40:10 | Bright | 36.500 | 32 | 77Eps UMa | 1.7630 | 11000. | 73 | 42427 | No |
| 22 | GOM_TRA_1PNPDE20100412_014636_000000422088_00289_42427_3372.N1 | 12-APR-2010 01:46:36 | Bright | 41.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 83 | 42427 | No |
| 23 | GOM_TRA_1PNPDE20100412_014825_000000352088_00289_42427_3373.N1 | 12-APR-2010 01:48:25 | Bright | 35.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 70 | 42427 | No |
| 24 | GOM_TRA_1PNPDE20100412_015635_000000392088_00289_42427_3374.N1 | 12-APR-2010 01:56:35 | Bright | 39.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 78 | 42427 | No |
| 25 | GOM_TRA_1PNPDE20100412_020150_000000482088_00289_42427_3375.N1 | 12-APR-2010 02:01:50 | Bright | 47.500 | 19 | 50Alp Cyg | 1.2460 | 10500. | 95 | 42427 | No |
| 26 | GOM_TRA_1PNPDE20100412_020558_000000522088_00289_42427_3376.N1 | 12-APR-2010 02:05:58 | Bright | 52.000 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 104 | 42427 | No |
| 27 | GOM_TRA_1PNPDE20100412_021305_000000492088_00289_42427_3377.N1 | 12-APR-2010 02:13:05 | Twilight | 49.000 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 98 | 42427 | No |
| 28 | GOM_TRA_1PNPDE20100412_021533_000000422088_00289_42427_3378.N1 | 12-APR-2010 02:15:33 | Dark | 41.500 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 83 | 42427 | No |
| 29 | GOM_TRA_1PNPDE20100412_021801_000000462088_00289_42427_3377.N1 | 12-APR-2010 02:18:01 | Dark | 45.500 | 154 | 22Bet Aqr | 2.8990 | 5700.0 | 91 | 42427 | No |
| 30 | GOM_TRA_1PNPDE20100412_022027_000000422088_00289_42427_3378.N1 | 12-APR-2010 02:20:27 | Dark | 42.000 | 142 | 49Del Cap | 2.8500 | 8900.0 | 84 | 42427 | No |
| 31 | GOM_TRA_1PNPDE20100412_024014_000000532088_00290_42428_3379.N1 | 12-APR-2010 02:40:14 | Dark | 53.000 | 40 | The Sco | 1.8590 | 7100.0 | 106 | 42428 | No |
| 32 | GOM_TRA_1PNPDE20100412_024750_000000472088_00290_42428_3380.N1 | 12-APR-2010 02:47:50 | Straylight | 46.500 | 78 | Alp Lup | 2.3040 | 28000. | 93 | 42428 | No |
| 33 | GOM_TRA_1PNPDE20100412_024927_000000432088_00290_42428_3381.N1 | 12-APR-2010 02:49:27 | Straylight | 43.000 | 81 | Eta Cen | 2.3560 | 28000. | 86 | 42428 | No |
| 34 | GOM_TRA_1PNPDE20100412_025154_000000492088_00290_42428_3382.N1 | 12-APR-2010 02:51:54 | Straylight | 48.500 | 54 | 5The Cen | 2.0550 | 4500.0 | 97 | 42428 | No |
| 35 | GOM_TRA_1PNPDE20100412_025647_000000462088_00290_42428_3383.N1 | 12-APR-2010 02:56:47 | Twilight | 45.500 | 169 | 46Gam Hya | 2.9910 | 4700.0 | 91 | 42428 | No |
| 36 | GOM_TRA_1PNPDE20100412_025914_000000432088_00290_42428_3384.N1 | 12-APR-2010 02:59:14 | Bright | 42.500 | 163 | 7Del Crv | 2.9450 | 11000. | 85 | 42428 | No |
| 37 | GOM_TRA_1PNPDE20100412_030033_000000482088_00290_42428_3385.N1 | 12-APR-2010 03:00:33 | Bright | 48.000 | 15 | 67Alp Vir | 0.97600 | 28000. | 96 | 42428 | No |
| 38 | GOM_TRA_1PNPDE20100412_030338_000000412088_00290_42428_3386.N1 | 12-APR-2010 03:03:38 | Bright | 40.500 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 81 | 42428 | No |
| 39 | GOM_TRA_1PNPDE20100412_030735_000000422088_00290_42428_3387.N1 | 12-APR-2010 03:07:35 | Bright | 41.500 | 138 | 47Eps Vir | 2.8280 | 4700.0 | 83 | 42428 | No |
| 40 | GOM_TRA_1PNPDE20100412_031549_000000402088_00290_42428_3388.N1 | 12-APR-2010 03:15:49 | Bright | 40.000 | 152 | 12Alp2CVn | 2.8900 | 11000. | 80 | 42428 | No |
| 41 | GOM_TRA_1PNPDE20100412_031927_000000362088_00290_42428_3389.N1 | 12-APR-2010 03:19:27 | Bright | 35.500 | 87 | 64Gam UMa | 2.4330 | 11000. | 71 | 42428 | No |
| 42 | GOM_TRA_1PNPDE20100412_032046_000000382088_00290_42428_3390.N1 | 12-APR-2010 03:20:46 | Bright | 38.000 | 32 | 77Eps UMa | 1.7630 | 11000. | 76 | 42428 | No |
| 43 | GOM_TRA_1PNPDE20100412_032712_000000402088_00290_42428_3391.N1 | 12-APR-2010 03:27:12 | Bright | 40.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 80 | 42428 | No |
| 44 | GOM_TRA_1PNPDE20100412_032901_000000362088_00290_42428_3392.N1 | 12-APR-2010 03:29:01 | Bright | 35.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 71 | 42428 | No |
| 45 | GOM_TRA_1PNPDE20100412_033710_000000372088_00290_42428_3407.N1 | 12-APR-2010 03:37:10 | Bright | 36.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 73 | 42428 | No |
| 46 | GOM_TRA_1PNPDE20100412_034226_000000482088_00290_42428_3408.N1 | 12-APR-2010 03:42:26 | Bright | 48.000 | 19 | 50Alp Cyg | 1.2460 | 10500. | 96 | 42428 | No |
| 47 | GOM_TRA_1PNPDE20100412_034633_000000542088_00290_42428_3409.N1 | 12-APR-2010 03:46:33 | Bright | 54.000 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 108 | 42428 | No |
| 48 | GOM_TRA_1PNPDE20100412_035341_000000512088_00290_42428_3410.N1 | 12-APR-2010 03:53:41 | Twilight | 51.000 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 102 | 42428 | No |
| 49 | GOM_TRA_1PNPDE20100412_035610_000000442088_00290_42428_3411.N1 | 12-APR-2010 03:56:10 | Dark | 43.500 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 87 | 42428 | No |
| 50 | GOM_TRA_1PNPDE20100412_035837_000000462088_00290_42428_3412.N1 | 12-APR-2010 03:58:37 | Dark | 45.500 | 154 | 22Bet Aqr | 2.8990 | 5700.0 | 91 | 42428 | No |
| 51 | GOM_TRA_1PNPDE20100412_040104_000000432088_00290_42428_3413.N1 | 12-APR-2010 04:01:04 | Dark | 42.500 | 142 | 49Del Cap | 2.8500 | 8900.0 | 85 | 42428 | No |
| 52 | GOM_TRA_1PNPDE20100412_042051_000000572088_00291_42429_3414.N1 | 12-APR-2010 04:20:51 | Dark | 56.500 | 40 | The Sco | 1.8590 | 7100.0 | 113 | 42429 | No |
| 53 | GOM_TRA_1PNPDE20100412_042827_000000452088_00291_42429_3415.N1 | 12-APR-2010 04:28:27 | Straylight | 44.500 | 78 | Alp Lup | 2.3040 | 28000. | 89 | 42429 | No |
| 54 | GOM_TRA_1PNPDE20100412_043003_000000432088_00291_42429_3416.N1 | 12-APR-2010 04:30:03 | Straylight | 42.500 | 81 | Eta Cen | 2.3560 | 28000. | 85 | 42429 | No |
| 55 | GOM_TRA_1PNPDE20100412_043230_000000472088_00291_42429_3417.N1 | 12-APR-2010 04:32:30 | Straylight | 47.000 | 54 | 5The Cen | 2.0550 | 4500.0 | 94 | 42429 | No |
| 56 | GOM_TRA_1PNPDE20100412_043723_000000462088_00291_42429_3418.N1 | 12-APR-2010 04:37:23 | Twilight | 45.500 | 169 | 46Gam Hya | 2.9910 | 4700.0 | 91 | 42429 | No |
| 57 | GOM_TRA_1PNPDE20100412_043950_000000382088_00291_42429_3419.N1 | 12-APR-2010 04:39:50 | Bright | 38.000 | 163 | 7Del Crv | 2.9450 | 11000. | 76 | 42429 | No |
| 58 | GOM_TRA_1PNPDE20100412_044109_000000492088_00291_42429_3420.N1 | 12-APR-2010 04:41:09 | Bright | 49.000 | 15 | 67Alp Vir | 0.97600 | 28000. | 98 | 42429 | No |
| 59 | GOM_TRA_1PNPDE20100412_044414_000000422088_00291_42429_3421.N1 | 12-APR-2010 04:44:14 | Bright | 41.500 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 83 | 42429 | No |
| 60 | GOM_TRA_1PNPDE20100412_044811_000000412088_00291_42429_3422.N1 | 12-APR-2010 04:48:11 | Bright | 40.500 | 138 | 47Eps Vir | 2.8280 | 4700.0 | 81 | 42429 | No |
| 61 | GOM_TRA_1PNPDE20100412_045625_000000392088_00291_42429_3423.N1 | 12-APR-2010 04:56:25 | Bright | 38.500 | 152 | 12Alp2CVn | 2.8900 | 11000. | 77 | 42429 | No |
| 62 | GOM_TRA_1PNPDE20100412_050003_000000342088_00291_42429_3424.N1 | 12-APR-2010 05:00:03 | Bright | 34.000 | 87 | 64Gam UMa | 2.4330 | 11000. | 68 | 42429 | No |
| 63 | GOM_TRA_1PNPDE20100412_050121_000000412088_00291_42429_3425.N1 | 12-APR-2010 05:01:21 | Bright | 41.000 | 32 | 77Eps UMa | 1.7630 | 11000. | 82 | 42429 | No |
| 64 | GOM_TRA_1PNPDE20100412_050748_000000572088_00291_42429_3426.N1 | 12-APR-2010 05:07:48 | Bright | 57.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 114 | 42429 | No |
| 65 | GOM_TRA_1PNPDE20100412_050936_000000362088_00291_42429_3427.N1 | 12-APR-2010 05:09:36 | Bright | 35.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 71 | 42429 | No |
| 66 | GOM_TRA_1PNPDE20100412_051746_000000382088_00291_42429_3425.N1 | 12-APR-2010 05:17:46 | Bright | 37.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 75 | 42429 | No |
| 67 | GOM_TRA_1PNPDE20100412_052302_000000482088_00291_42429_3426.N1 | 12-APR-2010 05:23:02 | Bright | 47.500 | 19 | 50Alp Cyg | 1.2460 | 10500. | 95 | 42429 | No |
| 68 | GOM_TRA_1PNPDE20100412_052710_000000532088_00291_42429_3427.N1 | 12-APR-2010 05:27:10 | Bright | 53.000 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 106 | 42429 | No |
| 69 | GOM_TRA_1PNPDE20100412_053418_000000452088_00291_42429_3428.N1 | 12-APR-2010 05:34:18 | Twilight | 45.000 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 90 | 42429 | No |
| 70 | GOM_TRA_1PNPDE20100412_053646_000000442088_00291_42429_3429.N1 | 12-APR-2010 05:36:46 | Dark | 43.500 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 87 | 42429 | No |
| 71 | GOM_TRA_1PNPDE20100412_053914_000000472088_00291_42429_3430.N1 | 12-APR-2010 05:39:14 | Dark | 47.000 | 154 | 22Bet Aqr | 2.8990 | 5700.0 | 94 | 42429 | No |

| | | | | | | | | | | | |
|-----|----------------------------------------------------------------|----------------------|----------------|--------|-----|-----------|---------|--------|-----|-------|-----|
| 72 | GOM_TRA_1PNPDE20100412_054140_000000422088_00291_42429_3431.N1 | 12-APR-2010 05:41:40 | Dark | 42.000 | 142 | 49Del Cap | 2.8500 | 8900.0 | 84 | 42429 | No |
| 73 | GOM_TRA_1PNPDE20100412_060128_000000532088_00292_42430_3432.N1 | 12-APR-2010 06:01:28 | Dark | 52.500 | 40 | The Sco | 1.8590 | 7100.0 | 105 | 42430 | No |
| 74 | GOM_TRA_1PNPDE20100412_060903_000000442088_00292_42430_3433.N1 | 12-APR-2010 06:09:03 | Straylight | 43.500 | 78 | Alp Lup | 2.3040 | 28000. | 87 | 42430 | No |
| 75 | GOM_TRA_1PNPDE20100412_061040_000000442088_00292_42430_3434.N1 | 12-APR-2010 06:10:40 | Straylight | 44.000 | 81 | Eta Cen | 2.3560 | 28000. | 88 | 42430 | No |
| 76 | GOM_TRA_1PNPDE20100412_061307_000000472088_00292_42430_3435.N1 | 12-APR-2010 06:13:07 | Straylight | 46.500 | 54 | 5The Cen | 2.0550 | 4500.0 | 93 | 42430 | No |
| 77 | GOM_TRA_1PNPDE20100412_061759_000000462088_00292_42430_3436.N1 | 12-APR-2010 06:17:59 | Tw_i_and_stray | 46.000 | 169 | 46Gam Hya | 2.9910 | 4700.0 | 92 | 42430 | No |
| 78 | GOM_TRA_1PNPDE20100412_062026_000000532088_00292_42430_3437.N1 | 12-APR-2010 06:20:26 | Bright | 53.000 | 163 | 7Del Crv | 2.9450 | 11000. | 106 | 42430 | No |
| 79 | GOM_TRA_1PNPDE20100412_062145_000000482088_00292_42430_3438.N1 | 12-APR-2010 06:21:45 | Bright | 48.000 | 15 | 67Alp Vir | 0.97600 | 28000. | 96 | 42430 | No |
| 80 | GOM_TRA_1PNPDE20100412_062450_000000392088_00292_42430_3439.N1 | 12-APR-2010 06:24:50 | Bright | 39.000 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 78 | 42430 | No |
| 81 | GOM_TRA_1PNPDE20100412_062847_000000422088_00292_42430_3440.N1 | 12-APR-2010 06:28:47 | Bright | 41.500 | 138 | 47Eps Vir | 2.8280 | 4700.0 | 83 | 42430 | No |
| 82 | GOM_TRA_1PNPDE20100412_063700_000000392088_00292_42430_3441.N1 | 12-APR-2010 06:37:00 | Bright | 39.000 | 152 | 12Alp2CVn | 2.8900 | 11000. | 78 | 42430 | No |
| 83 | GOM_TRA_1PNPDE20100412_064039_000000372088_00292_42430_3442.N1 | 12-APR-2010 06:40:39 | Bright | 36.500 | 87 | 64Gam UMa | 2.4330 | 11000. | 73 | 42430 | No |
| 84 | GOM_TRA_1PNPDE20100412_064157_000000382088_00292_42430_3443.N1 | 12-APR-2010 06:41:57 | Bright | 38.000 | 32 | 77Eps UMa | 1.7630 | 11000. | 76 | 42430 | No |
| 85 | GOM_TRA_1PNPDE20100412_064823_000000392088_00292_42430_3444.N1 | 12-APR-2010 06:48:23 | Bright | 39.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 78 | 42430 | No |
| 86 | GOM_TRA_1PNPDE20100412_065011_000000372088_00292_42430_3445.N1 | 12-APR-2010 06:50:11 | Bright | 36.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 73 | 42430 | No |
| 87 | GOM_TRA_1PNPDE20100412_193355_000000422088_00300_42438_3533.N1 | 12-APR-2010 19:33:55 | Straylight | 42.000 | 78 | Alp Lup | 2.3040 | 28000. | 84 | 42438 | No |
| 88 | GOM_TRA_1PNPDE20100412_193531_000000452088_00300_42438_3534.N1 | 12-APR-2010 19:35:31 | Straylight | 45.000 | 81 | Eta Cen | 2.3560 | 28000. | 90 | 42438 | No |
| 89 | GOM_TRA_1PNPDE20100412_193757_000000482088_00300_42438_3535.N1 | 12-APR-2010 19:37:57 | Straylight | 47.500 | 54 | 5The Cen | 2.0550 | 4500.0 | 95 | 42438 | No |
| 90 | GOM_TRA_1PNPDE20100412_194248_000000462088_00300_42438_3536.N1 | 12-APR-2010 19:42:48 | Tw_i_and_stray | 45.500 | 169 | 46Gam Hya | 2.9910 | 4700.0 | 91 | 42438 | No |
| 91 | GOM_TRA_1PNPDE20100412_194633_000000492088_00300_42438_3537.N1 | 12-APR-2010 19:46:33 | Bright | 49.000 | 15 | 67Alp Vir | 0.97600 | 28000. | 98 | 42438 | No |
| 92 | GOM_TRA_1PNPDE20100412_194937_000000402088_00300_42438_3538.N1 | 12-APR-2010 19:49:37 | Bright | 40.000 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 80 | 42438 | No |
| 93 | GOM_TRA_1PNPDE20100412_195332_000000422088_00300_42438_3539.N1 | 12-APR-2010 19:53:32 | Bright | 42.000 | 138 | 47Eps Vir | 2.8280 | 4700.0 | 84 | 42438 | No |
| 94 | GOM_TRA_1PNPDE20100412_200145_000000402088_00300_42438_3540.N1 | 12-APR-2010 20:01:45 | Bright | 39.500 | 152 | 12Alp2CVn | 2.8900 | 11000. | 79 | 42438 | No |
| 95 | GOM_TRA_1PNPDE20100412_200525_000000372088_00300_42438_3541.N1 | 12-APR-2010 20:05:25 | Bright | 36.500 | 87 | 64Gam UMa | 2.4330 | 11000. | 73 | 42438 | No |
| 96 | GOM_TRA_1PNPDE20100412_200642_000000412088_00300_42438_3542.N1 | 12-APR-2010 20:06:42 | Bright | 40.500 | 32 | 77Eps UMa | 1.7630 | 11000. | 81 | 42438 | No |
| 97 | GOM_TRA_1PNPDE20100412_201308_000000392088_00300_42438_3543.N1 | 12-APR-2010 20:13:08 | Bright | 39.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 78 | 42438 | No |
| 98 | GOM_TRA_1PNPDE20100412_201453_000000422088_00300_42438_3544.N1 | 12-APR-2010 20:14:53 | Bright | 42.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 84 | 42438 | No |
| 99 | GOM_TRA_1PNPDE20100412_202308_000000512088_00300_42438_3545.N1 | 12-APR-2010 20:23:08 | Bright | 51.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 102 | 42438 | No |
| 100 | GOM_TRA_1PNPDE20100412_202824_000000452088_00300_42438_3546.N1 | 12-APR-2010 20:28:24 | Bright | 45.000 | 19 | 50Alp Cyg | 1.2460 | 10500. | 90 | 42438 | No |
| 101 | GOM_TRA_1PNPDE20100412_203945_000000562088_00300_42438_3547.N1 | 12-APR-2010 20:39:45 | Twilight | 55.500 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 111 | 42438 | No |
| 102 | GOM_TRA_1PNPDE20100412_204213_000000442088_00300_42438_3548.N1 | 12-APR-2010 20:42:13 | Dark | 44.000 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 88 | 42438 | No |
| 103 | GOM_TRA_1PNPDE20100412_204442_000000482088_00300_42438_3551.N1 | 12-APR-2010 20:44:42 | Dark | 47.500 | 154 | 22Bet Aqr | 2.8990 | 5700.0 | 95 | 42438 | No |
| 104 | GOM_TRA_1PNPDE20100412_204708_000000452088_00300_42438_3552.N1 | 12-APR-2010 20:47:08 | Dark | 45.000 | 142 | 49Del Cap | 2.8500 | 8900.0 | 90 | 42438 | No |
| 105 | GOM_TRA_1PNPDE20100412_210701_000000552088_00301_42439_3553.N1 | 12-APR-2010 21:07:01 | Dark | 55.000 | 40 | The Sco | 1.8590 | 7100.0 | 110 | 42439 | No |
| 106 | GOM_TRA_1PNPDE20100412_211431_000000462088_00301_42439_3554.N1 | 12-APR-2010 21:14:31 | Straylight | 45.500 | 78 | Alp Lup | 2.3040 | 28000. | 91 | 42439 | No |
| 107 | GOM_TRA_1PNPDE20100412_211607_000000462088_00301_42439_3555.N1 | 12-APR-2010 21:16:07 | Straylight | 46.000 | 81 | Eta Cen | 2.3560 | 28000. | 92 | 42439 | No |
| 108 | GOM_TRA_1PNPDE20100412_211834_000000482088_00301_42439_3556.N1 | 12-APR-2010 21:18:34 | Straylight | 48.000 | 54 | 5The Cen | 2.0550 | 4500.0 | 96 | 42439 | No |
| 109 | GOM_TRA_1PNPDE20100412_212324_000000472088_00301_42439_3557.N1 | 12-APR-2010 21:23:24 | Tw_i_and_stray | 47.000 | 169 | 46Gam Hya | 2.9910 | 4700.0 | 94 | 42439 | No |
| 110 | GOM_TRA_1PNPDE20100412_212709_000000492088_00301_42439_3558.N1 | 12-APR-2010 21:27:09 | Bright | 48.500 | 15 | 67Alp Vir | 0.97600 | 28000. | 97 | 42439 | No |
| 111 | GOM_TRA_1PNPDE20100412_213013_000000402088_00301_42439_3559.N1 | 12-APR-2010 21:30:13 | Bright | 40.000 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 80 | 42439 | No |
| 112 | GOM_TRA_1PNPDE20100412_213408_000000412088_00301_42439_3560.N1 | 12-APR-2010 21:34:08 | Bright | 41.000 | 138 | 47Eps Vir | 2.8280 | 4700.0 | 82 | 42439 | No |
| 113 | GOM_TRA_1PNPDE20100412_214220_000000402088_00301_42439_3561.N1 | 12-APR-2010 21:42:20 | Bright | 40.000 | 152 | 12Alp2CVn | 2.8900 | 11000. | 80 | 42439 | No |
| 114 | GOM_TRA_1PNPDE20100412_214601_000000362088_00301_42439_3562.N1 | 12-APR-2010 21:46:01 | Bright | 35.500 | 87 | 64Gam UMa | 2.4330 | 11000. | 71 | 42439 | No |
| 115 | GOM_TRA_1PNPDE20100412_214717_000000392088_00301_42439_3563.N1 | 12-APR-2010 21:47:17 | Bright | 39.000 | 32 | 77Eps UMa | 1.7630 | 11000. | 78 | 42439 | No |
| 116 | GOM_TRA_1PNPDE20100412_215344_000000392088_00301_42439_3564.N1 | 12-APR-2010 21:53:44 | Bright | 38.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 77 | 42439 | No |
| 117 | GOM_TRA_1PNPDE20100412_215528_000000422088_00301_42439_3565.N1 | 12-APR-2010 21:55:28 | Bright | 42.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 84 | 42439 | No |
| 118 | GOM_TRA_1PNPDE20100412_220344_000000372088_00301_42439_3566.N1 | 12-APR-2010 22:03:44 | Bright | 36.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 73 | 42439 | No |
| 119 | GOM_TRA_1PNPDE20100412_220900_000000472088_00301_42439_3567.N1 | 12-APR-2010 22:09:00 | Bright | 46.500 | 19 | 50Alp Cyg | 1.2460 | 10500. | 93 | 42439 | No |
| 120 | GOM_TRA_1PNPDE20100412_222021_000000512088_00301_42439_3568.N1 | 12-APR-2010 22:20:21 | Twilight | 51.000 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 102 | 42439 | No |
| 121 | GOM_TRA_1PNPDE20100412_222249_000000462088_00301_42439_3569.N1 | 12-APR-2010 22:22:49 | Dark | 45.500 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 91 | 42439 | No |
| 122 | GOM_TRA_1PNPDE20100412_222518_000000492088_00301_42439_3570.N1 | 12-APR-2010 22:25:18 | Dark | 48.500 | 154 | 22Bet Aqr | 2.8990 | 5700.0 | 97 | 42439 | No |
| 123 | GOM_TRA_1PNPDE20100412_222744_000000452088_00301_42439_3571.N1 | 12-APR-2010 22:27:44 | Dark | 45.000 | 142 | 49Del Cap | 2.8500 | 8900.0 | 90 | 42439 | Yes |
| 124 | GOM_TRA_1PNPDE20100412_224738_000000532088_00302_42440_3572.N1 | 12-APR-2010 22:47:38 | Dark | 52.500 | 40 | The Sco | 1.8590 | 7100.0 | 105 | 42440 | No |
| 125 | GOM_TRA_1PNPDE20100412_225507_000000432088_00302_42440_3573.N1 | 12-APR-2010 22:55:07 | Straylight | 43.000 | 78 | Alp Lup | 2.3040 | 28000. | 86 | 42440 | No |
| 126 | GOM_TRA_1PNPDE20100412_225644_000000442088_00302_42440_3574.N1 | 12-APR-2010 22:56:44 | Straylight | 43.500 | 81 | Eta Cen | 2.3560 | 28000. | 87 | 42440 | No |
| 127 | GOM_TRA_1PNPDE20100412_225910_000000512088_00302_42440_3575.N1 | 12-APR-2010 22:59:10 | Straylight | 51.000 | 54 | 5The Cen | 2.0550 | 4500.0 | 102 | 42440 | No |
| 128 | GOM_TRA_1PNPDE20100412_230400_000000462088_00302_42440_3576.N1 | 12-APR-2010 23:04:00 | Tw_i_and_stray | 46.000 | 169 | 46Gam Hya | 2.9910 | 4700.0 | 92 | 42440 | No |
| 129 | GOM_TRA_1PNPDE20100412_230745_000000492088_00302_42440_3577.N1 | 12-APR-2010 23:07:45 | Bright | 49.000 | 15 | 67Alp Vir | 0.97600 | 28000. | 98 | 42440 | No |
| 130 | GOM_TRA_1PNPDE20100412_231049_000000402088_00302_42440_3578.N1 | 12-APR-2010 23:10:49 | Bright | 40.000 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 80 | 42440 | No |

| | | | | | | | | | | | |
|-----|----------------------------------------------------------------|----------------------|--------|--------|-----|-----------|--------|--------|----|-------|----|
| 131 | GOM_TRA_1PNPDE20100412_231444_000000412088_00302_42440_3579.N1 | 12-APR-2010 23:14:44 | Bright | 41.000 | 138 | 47Eps Vir | 2.8280 | 4700.0 | 82 | 42440 | No |
| 132 | GOM_TRA_1PNPDE20100412_232256_000000402088_00302_42440_3580.N1 | 12-APR-2010 23:22:56 | Bright | 39.500 | 152 | 12Alp2CVn | 2.8900 | 11000. | 79 | 42440 | No |
| 133 | GOM_TRA_1PNPDE20100412_232637_000000342088_00302_42440_3581.N1 | 12-APR-2010 23:26:37 | Bright | 34.000 | 87 | 64Gam UMa | 2.4330 | 11000. | 68 | 42440 | No |
| 134 | GOM_TRA_1PNPDE20100412_232753_000000392088_00302_42440_3582.N1 | 12-APR-2010 23:27:53 | Bright | 38.500 | 32 | 77Eps UMa | 1.7630 | 11000. | 77 | 42440 | No |
| 135 | GOM_TRA_1PNPDE20100412_233419_000000402088_00302_42440_3583.N1 | 12-APR-2010 23:34:19 | Bright | 40.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 80 | 42440 | No |
| 136 | GOM_TRA_1PNPDE20100412_233603_000000432088_00302_42440_3584.N1 | 12-APR-2010 23:36:03 | Bright | 43.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 86 | 42440 | No |
| 137 | GOM_TRA_1PNPDE20100412_234420_000000412088_00302_42440_3585.N1 | 12-APR-2010 23:44:20 | Bright | 40.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 81 | 42440 | No |
| 138 | GOM_TRA_1PNPDE20100412_234935_000000482088_00302_42440_3586.N1 | 12-APR-2010 23:49:35 | Bright | 48.000 | 19 | 50Alp Cyg | 1.2460 | 10500. | 96 | 42440 | 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).

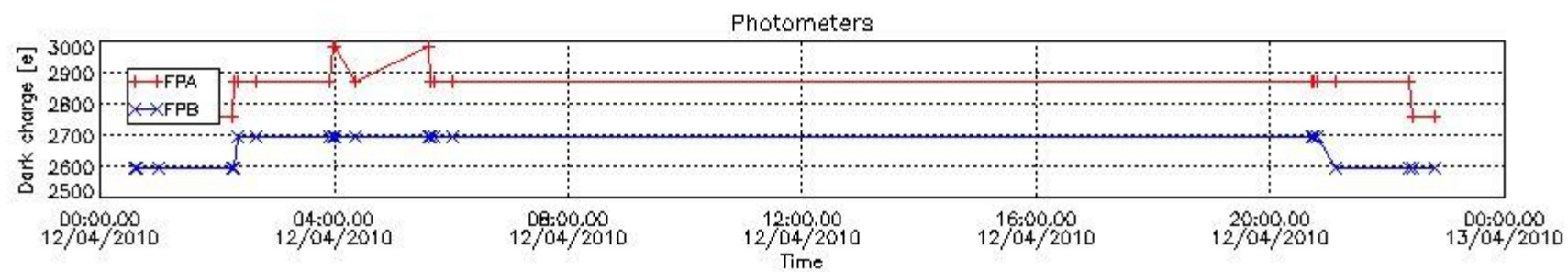
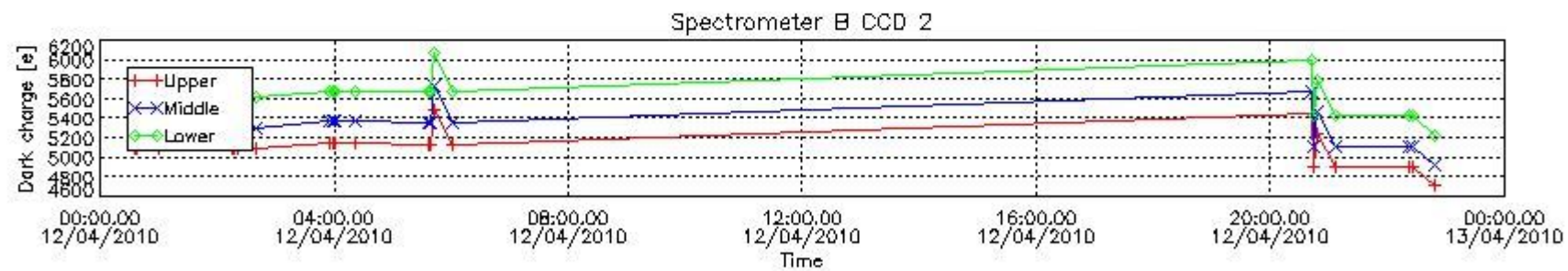
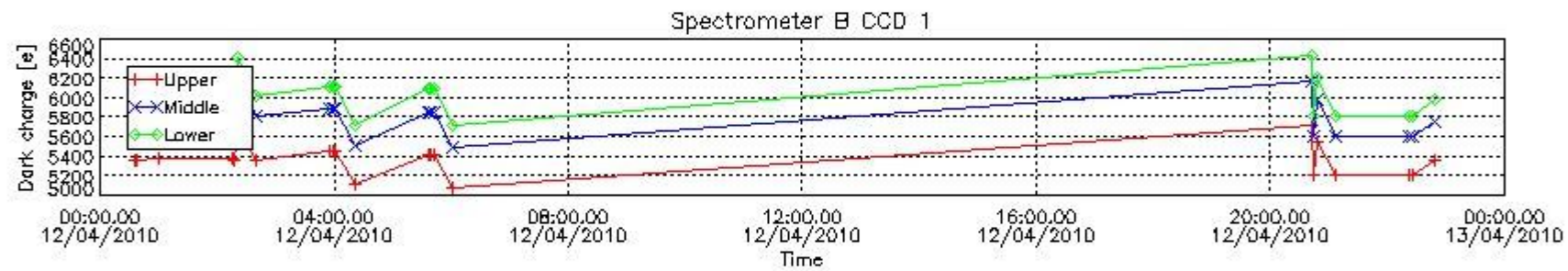
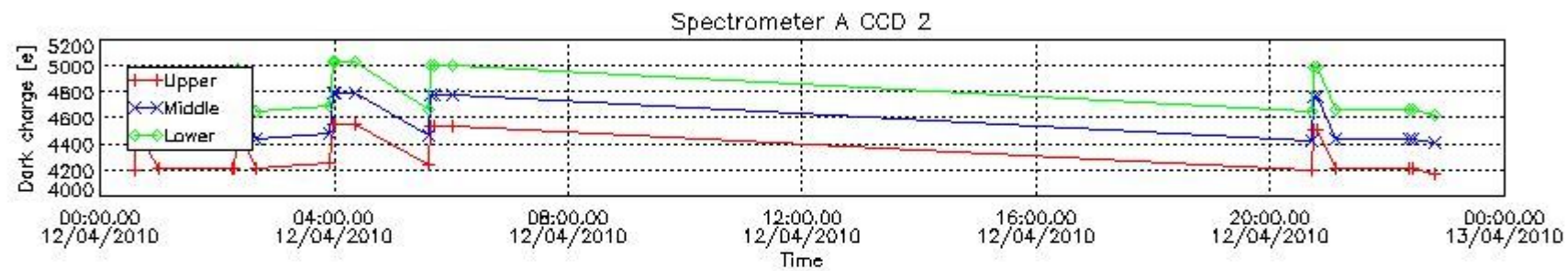
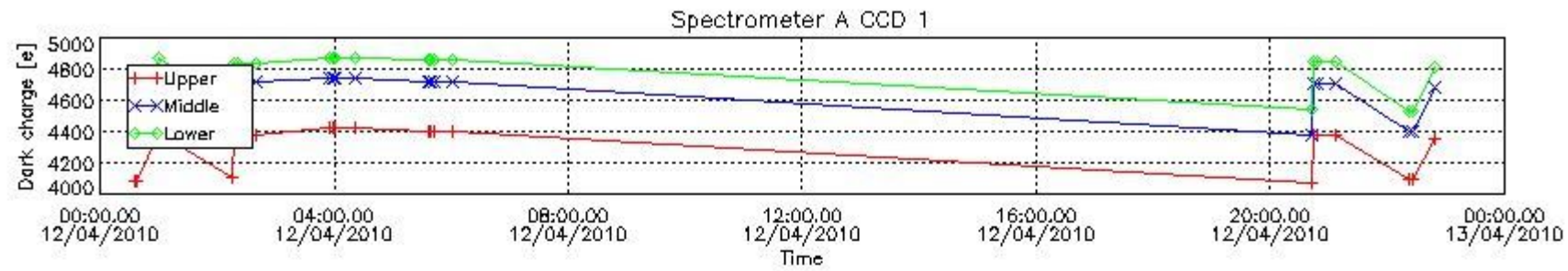
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

| Product name | DC information |
|----------------------------------------------------------------|----------------|
| GOM_TRA_1PNPDE20100412_193355_000000422088_00300_42438_3533.N1 | DC map used |
| GOM_TRA_1PNPDE20100412_193531_000000452088_00300_42438_3534.N1 | DC map used |

| | |
|----------------------------------------------------------------|-------------|
| GOM_TRA_1PNPDE20100412_193757_000000482088_00300_42438_3535.N1 | DC map used |
| GOM_TRA_1PNPDE20100412_194248_000000462088_00300_42438_3536.N1 | DC map used |
| GOM_TRA_1PNPDE20100412_194633_000000492088_00300_42438_3537.N1 | DC map used |
| GOM_TRA_1PNPDE20100412_194937_000000402088_00300_42438_3538.N1 | DC map used |
| GOM_TRA_1PNPDE20100412_195332_000000422088_00300_42438_3539.N1 | DC map used |
| GOM_TRA_1PNPDE20100412_200145_000000402088_00300_42438_3540.N1 | DC map used |
| GOM_TRA_1PNPDE20100412_200525_000000372088_00300_42438_3541.N1 | DC map used |
| GOM_TRA_1PNPDE20100412_200642_000000412088_00300_42438_3542.N1 | DC map used |
| GOM_TRA_1PNPDE20100412_201308_000000392088_00300_42438_3543.N1 | DC map used |
| GOM_TRA_1PNPDE20100412_201453_000000422088_00300_42438_3544.N1 | DC map used |
| GOM_TRA_1PNPDE20100412_202308_000000512088_00300_42438_3545.N1 | DC map used |
| GOM_TRA_1PNPDE20100412_202824_000000452088_00300_42438_3546.N1 | DC map used |
| GOM_TRA_1PNPDE20100412_203945_000000562088_00300_42438_3547.N1 | DC map used |
| GOM_TRA_1PNPDE20100412_204213_000000442088_00300_42438_3548.N1 | DC map used |

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



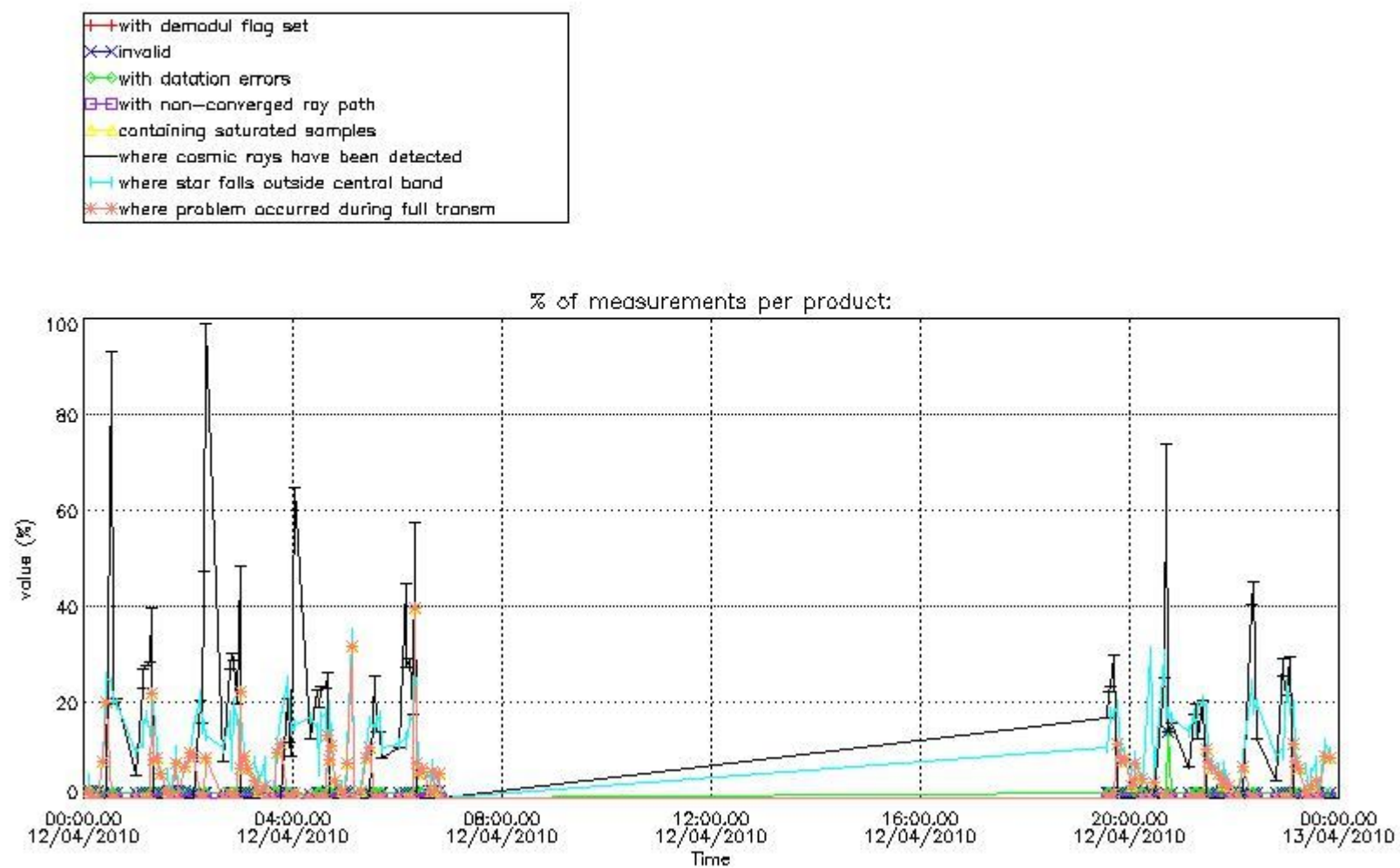
5. Demodulation flag and quality information monitoring

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.

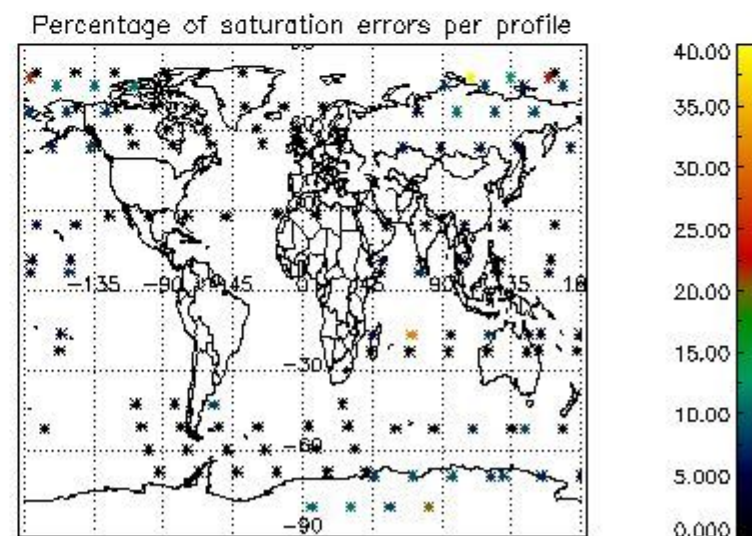
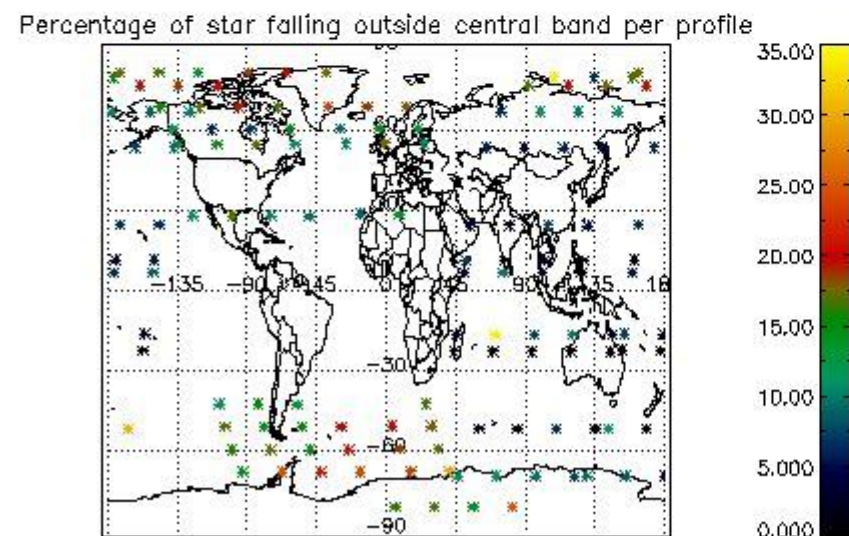
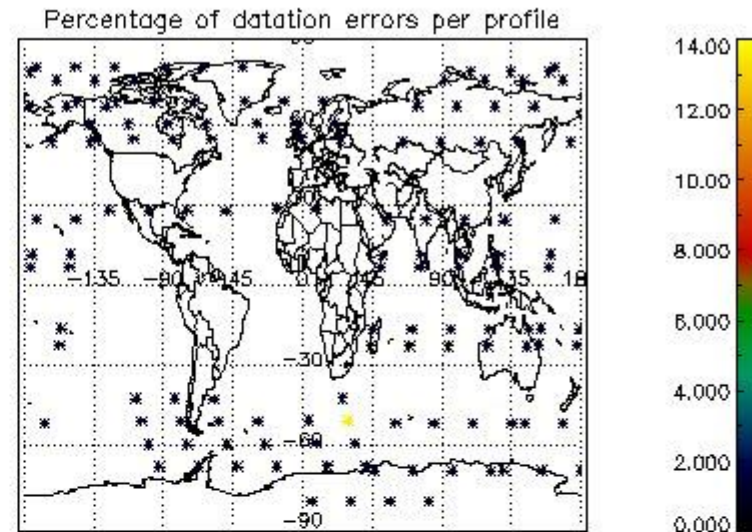
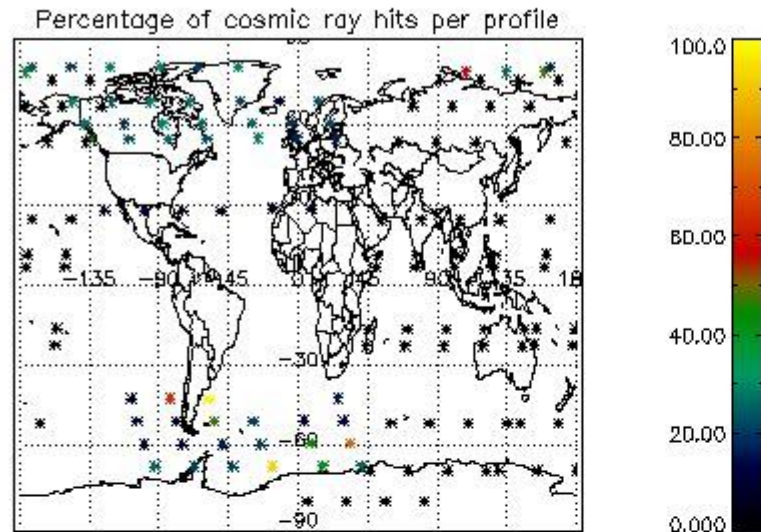
5.1 Percentage of products during reporting period with:

| | |
|-------------------------------------------------------|-----------|
| At least one measurement with demodulation flag set: | 31.6176 % |
| 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)



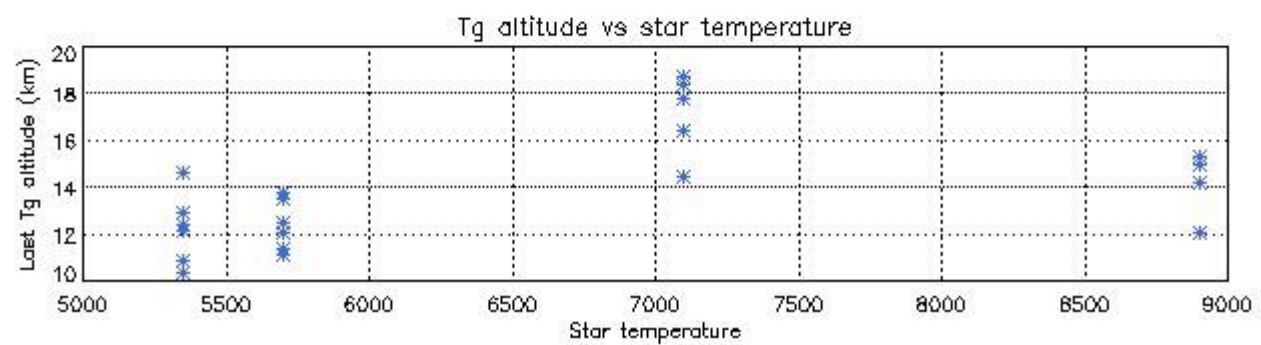
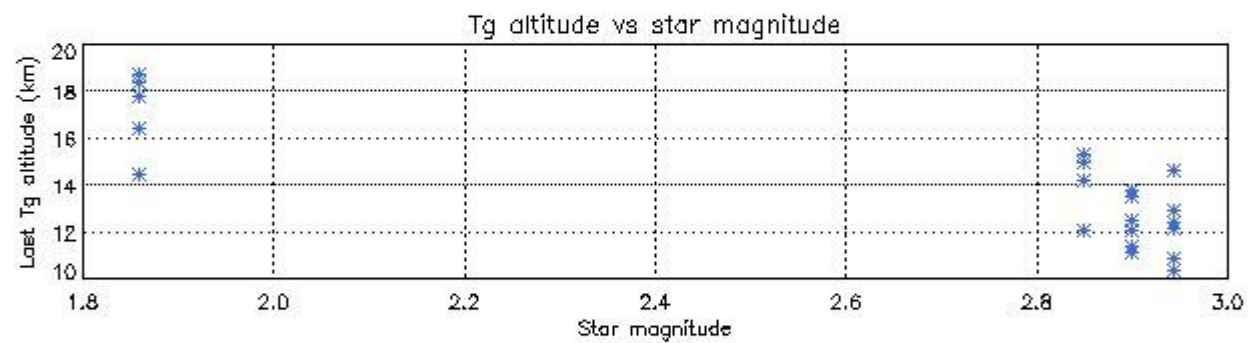
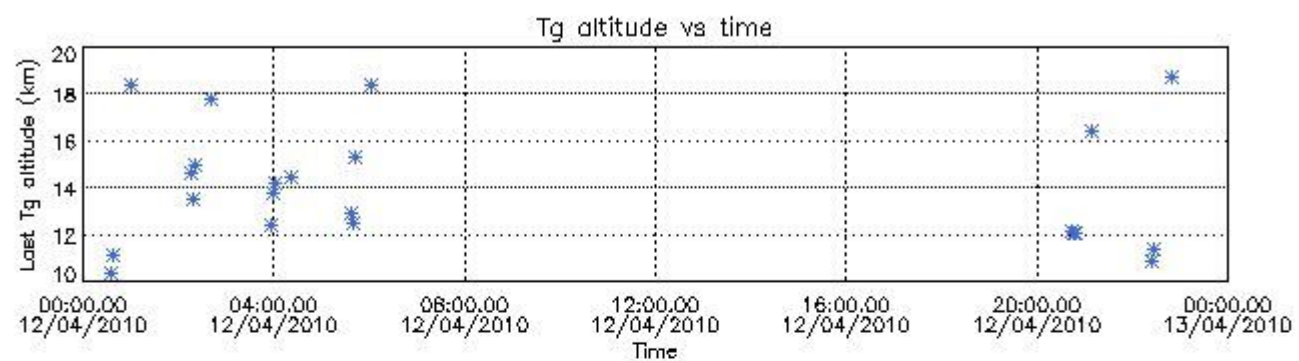
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

| Statistics | DARK | BRIGHT | TWILIGHT |
|-----------------|--------|--------|----------|
| Mean: | 13.998 | 21.067 | 9.6896 |
| St. deviation: | 2.5864 | 8.9025 | 2.4363 |
| Maximum: | 18.683 | 49.777 | 13.738 |
| Minimum: | 10.383 | 3.1235 | 6.1283 |
| Number of data: | 22.000 | 80.000 | 6.0000 |

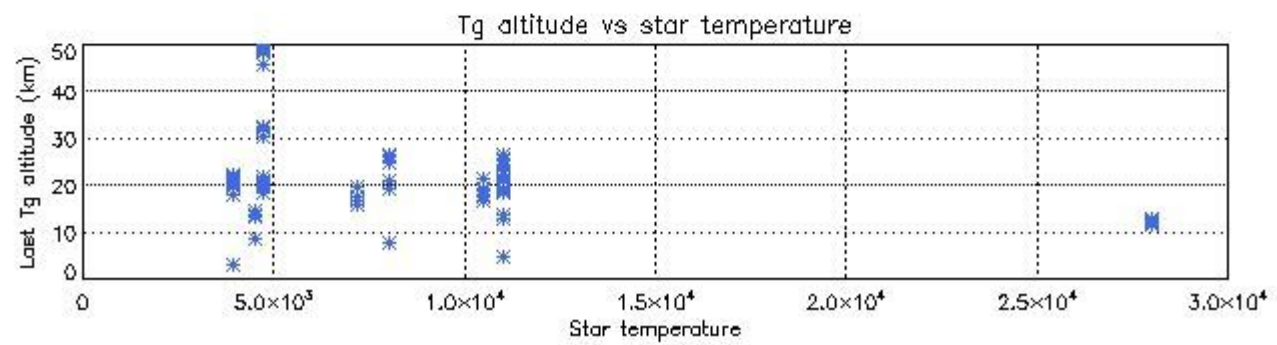
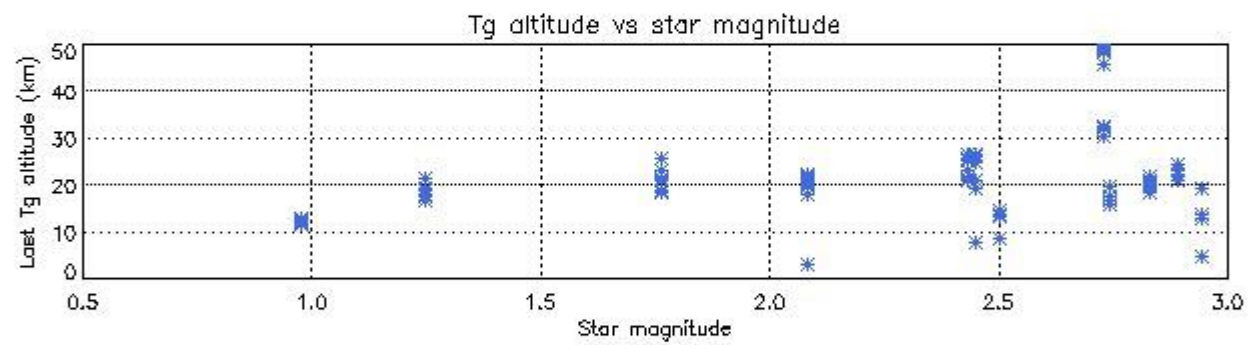
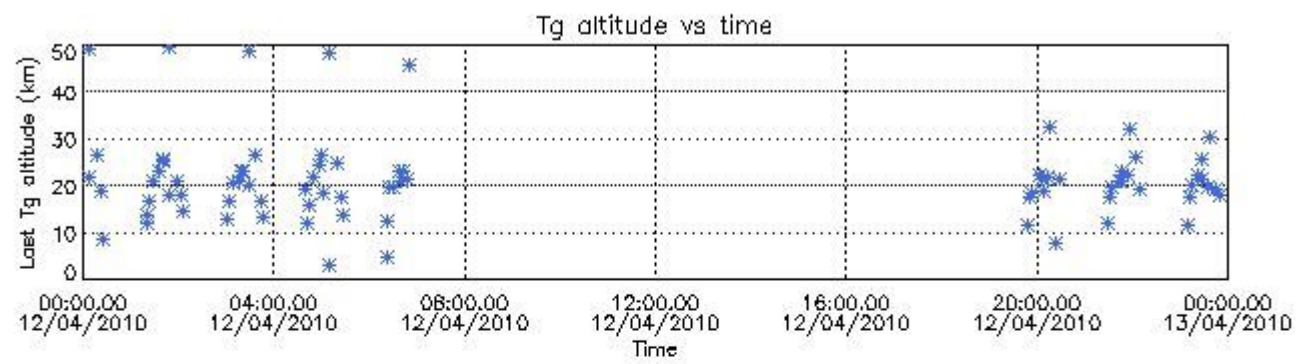
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



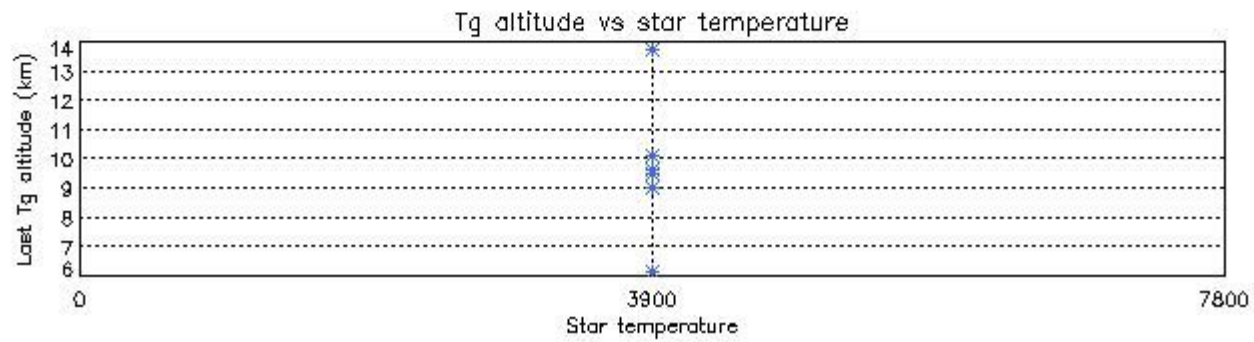
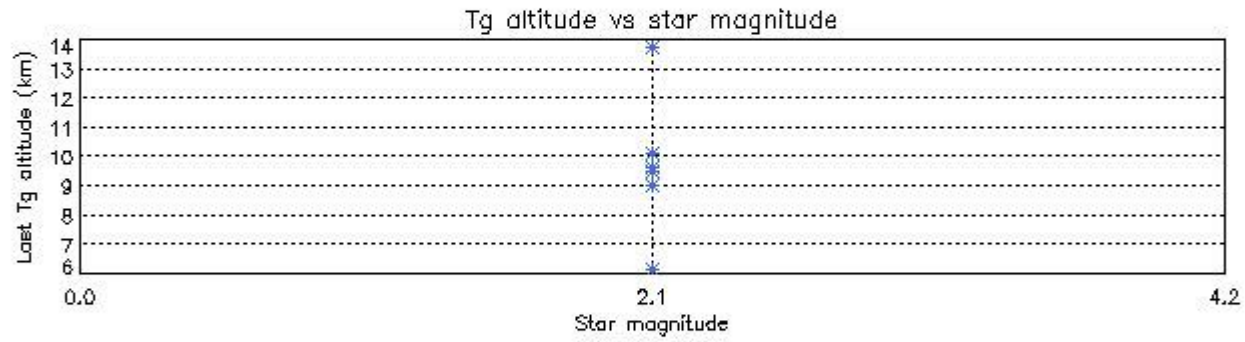
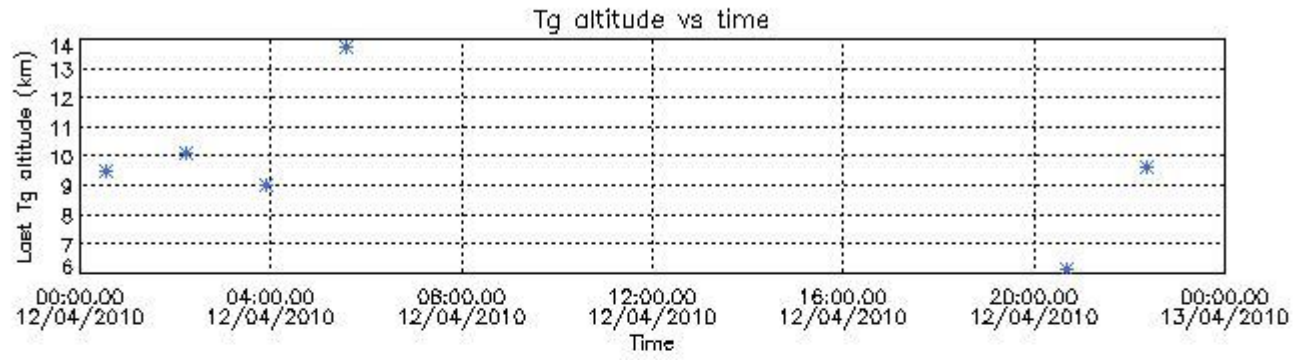
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

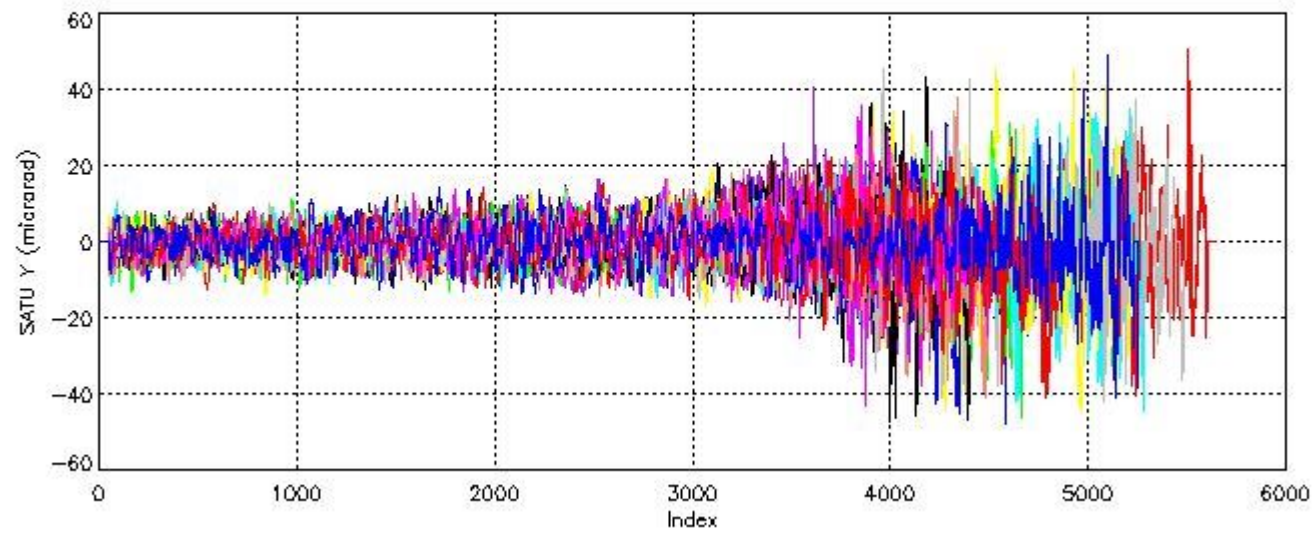
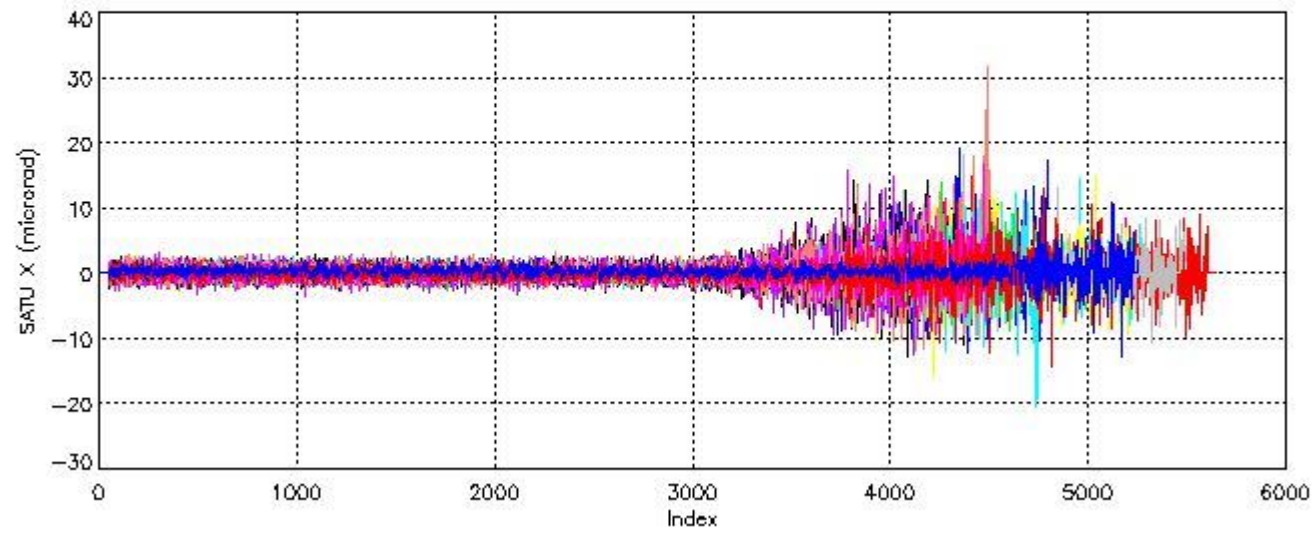


7. Star Acquisition and Tracking Unit (SATU)

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: | 0.13038 | -0.44820 | 0.22774 | -0.57930 |
| St. deviation: | 0.63954 | 2.9847 | 0.80263 | 3.0971 |
| Maximum: | 3.3000 | 11.100 | 6.5000 | 13.200 |
| Minimum: | -3.4000 | -14.300 | -5.8000 | -14.400 |

| | | | | |
|-----------------|--------|--------|--------|--------|
| Number of data: | 22300. | 22300. | 78250. | 78250. |
|-----------------|--------|--------|--------|--------|

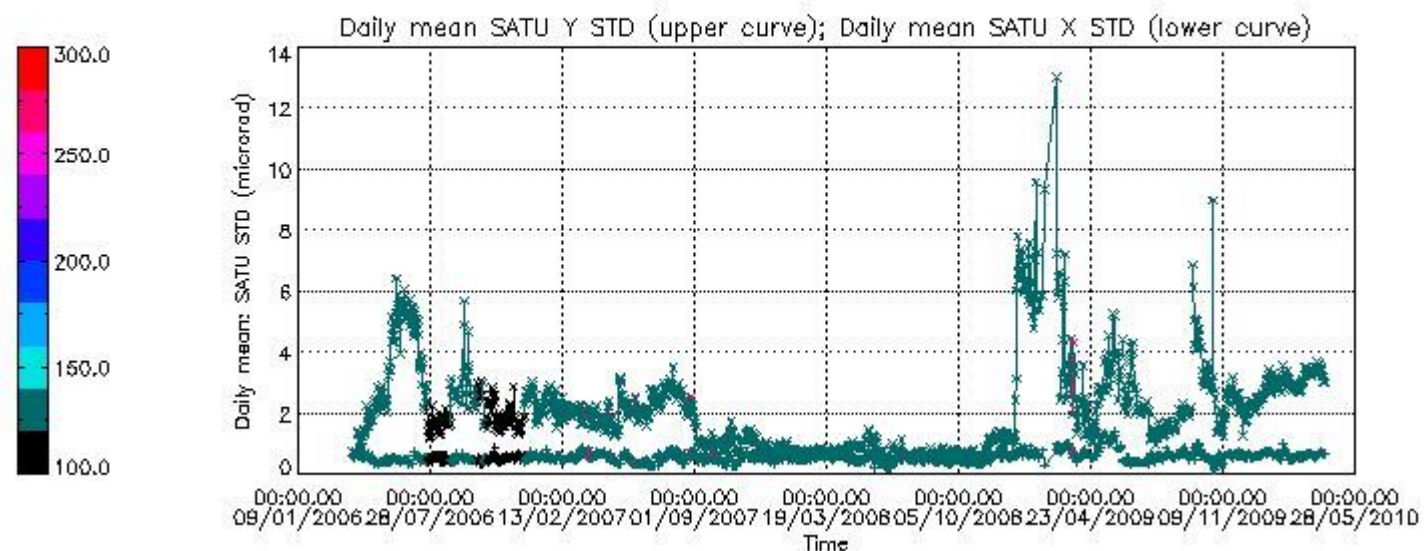
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

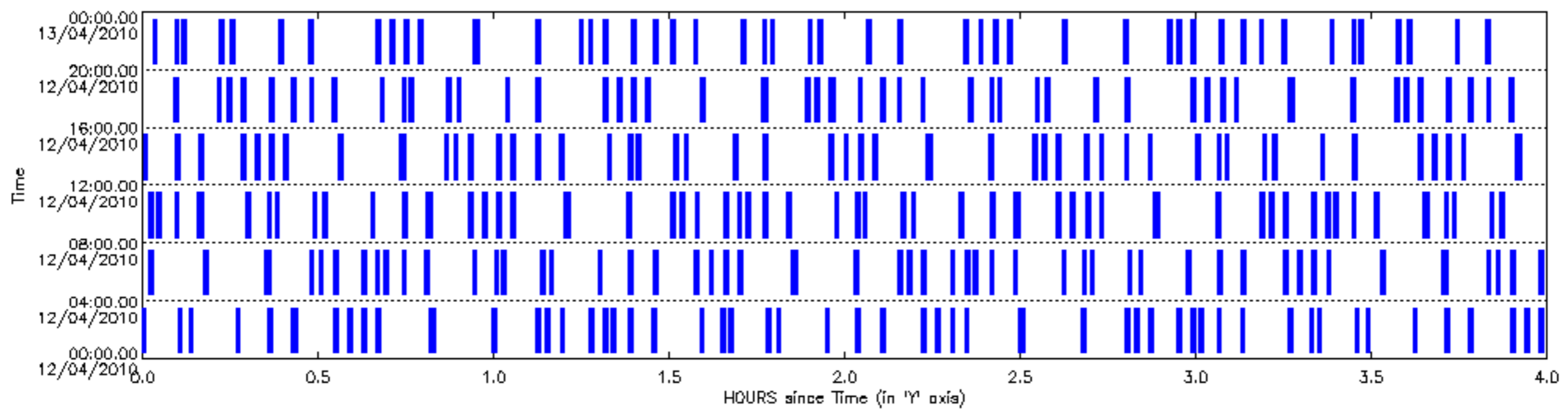
Lower curve: STD of SATU X axis

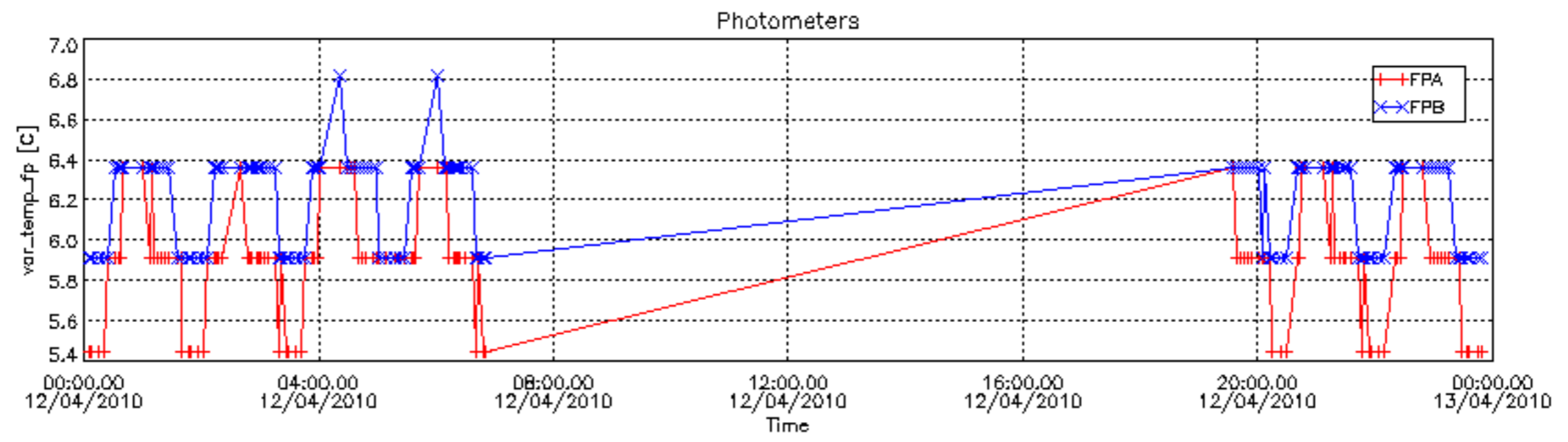
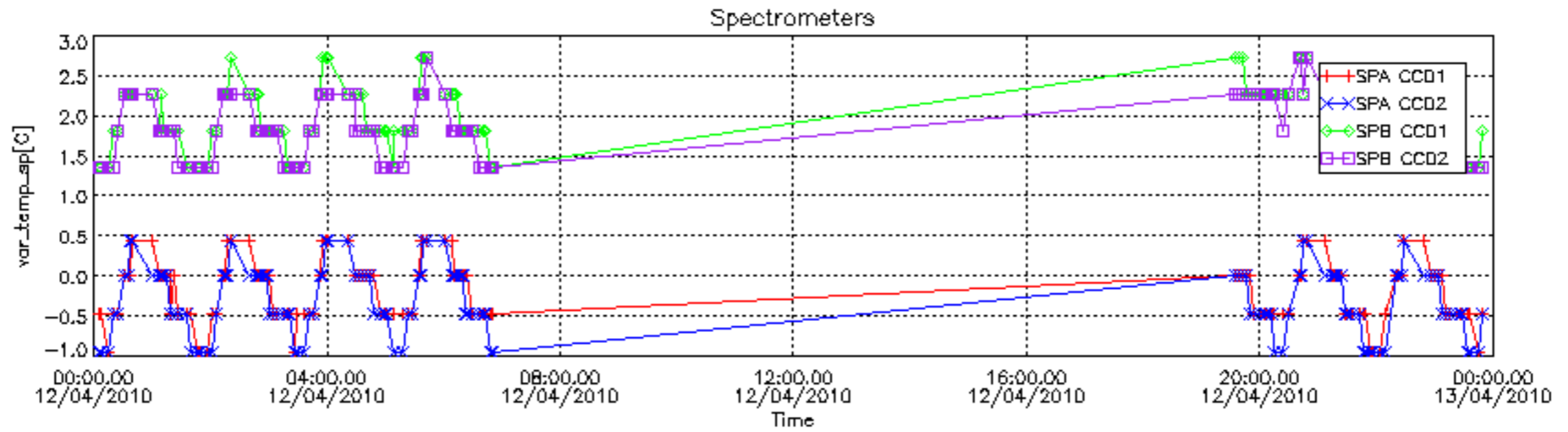


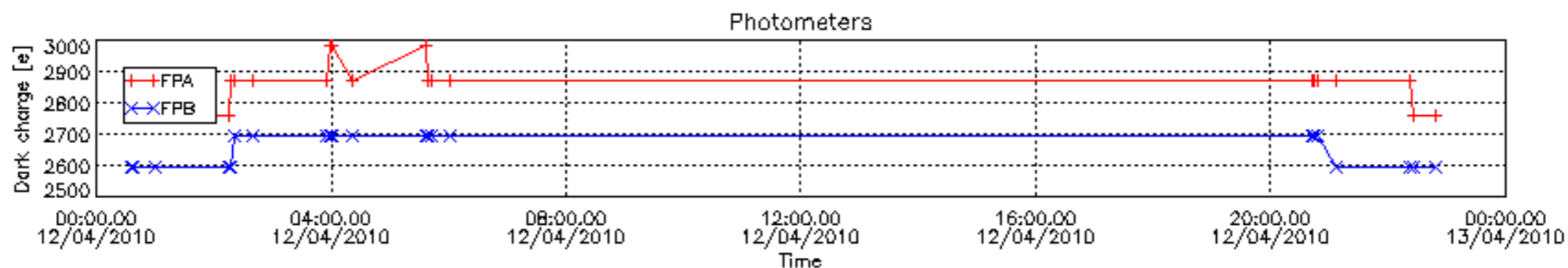
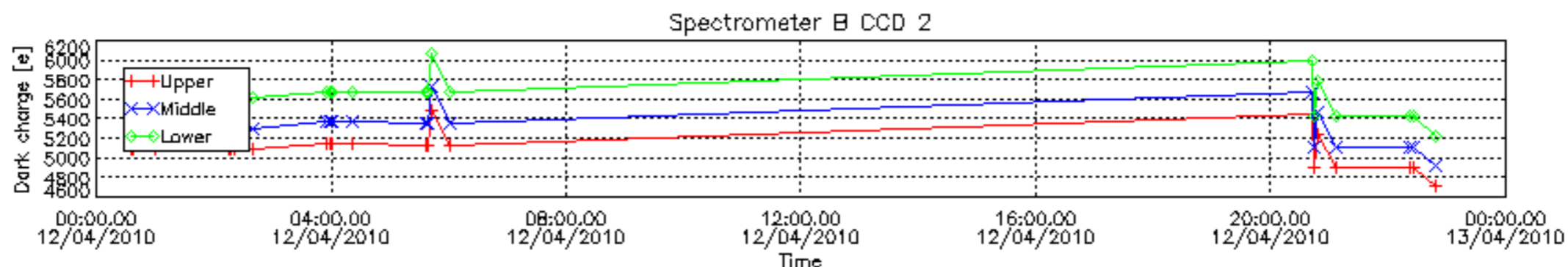
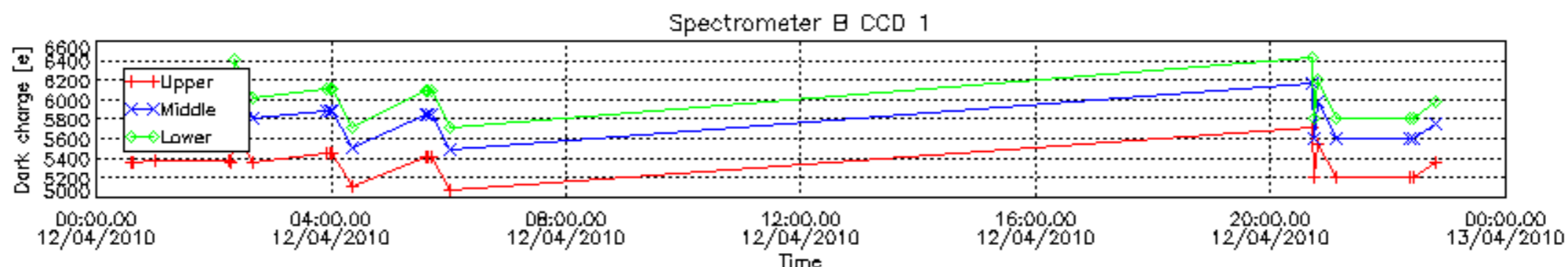
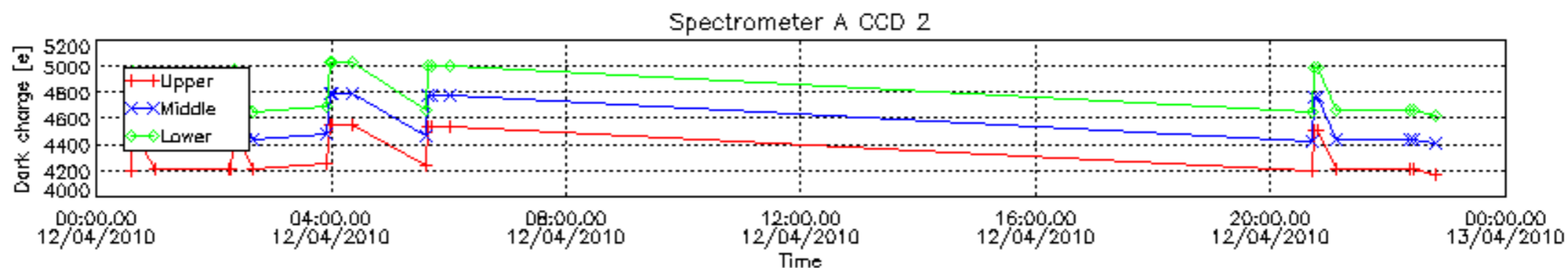
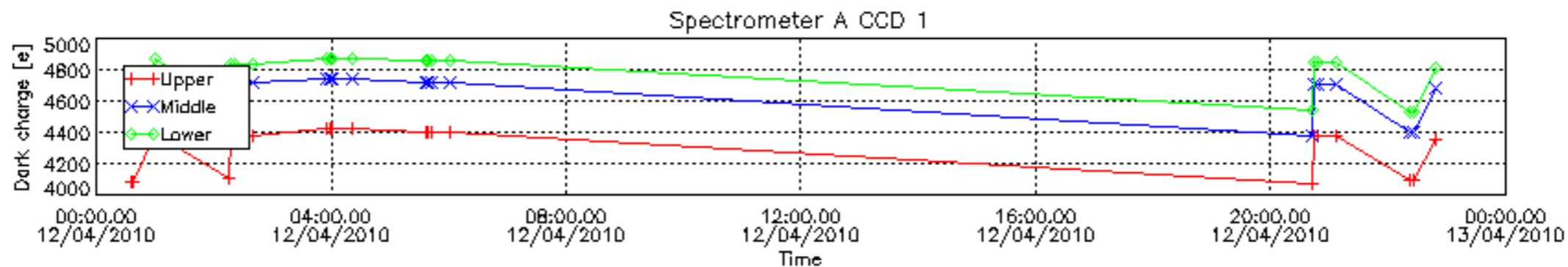
8. Auxiliary Data Files used for the production reported in section 2.4

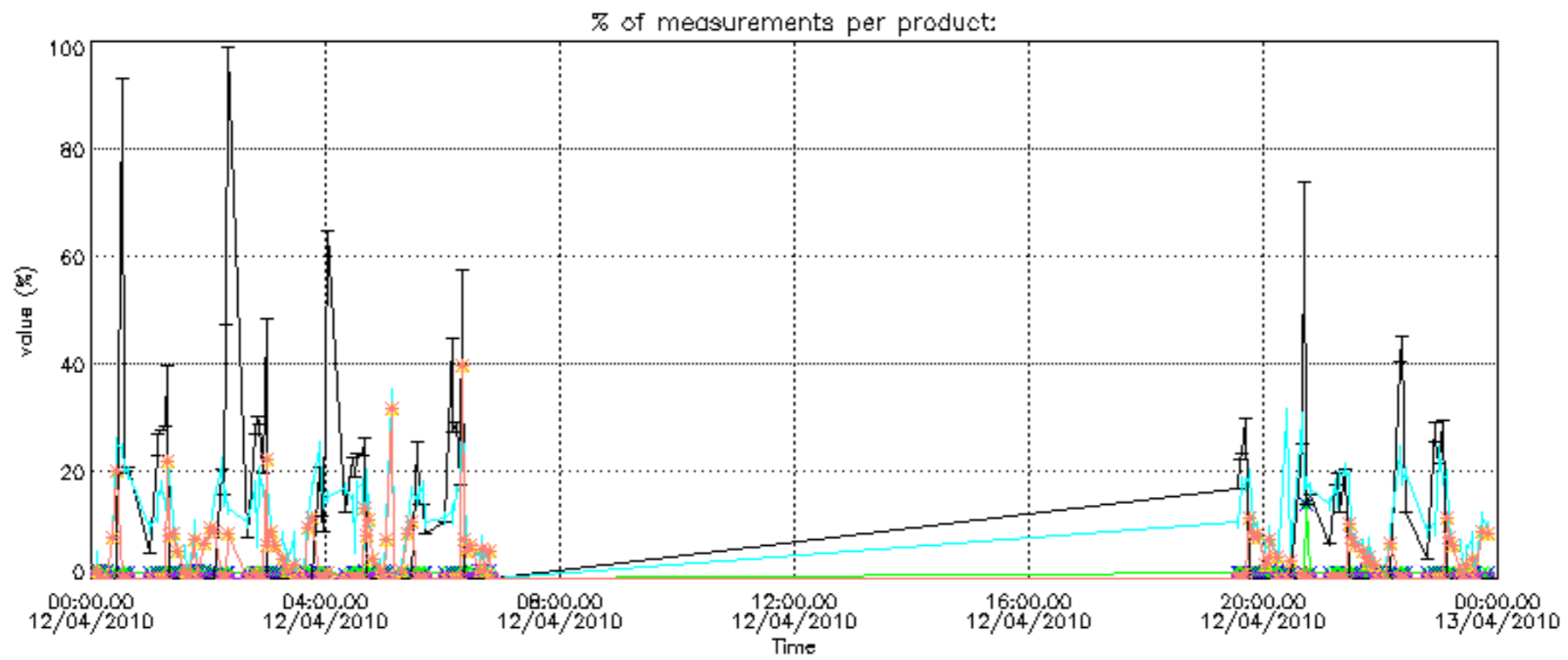
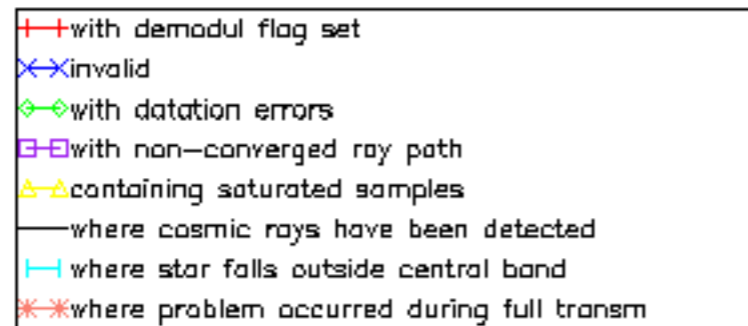
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

| Type | Auxiliary Filename | Used since product | Used since product date |
|---------------------------|----------------------------------------------------------------|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1 | 12-APR-2010 00:06:01 |
| CALIBRATION_DATABASE | GOM_CAL_AXVIEC20100407_100257_20100406_000000_20500101_000000 | 1 | 12-APR-2010 00:06:01 |
| LEVEL-1B_PROC_CONFIG | GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000 | 1 | 12-APR-2010 00:06:01 |
| STAR_CATALOGUE | GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000 | 1 | 12-APR-2010 00:06:01 |
| STELLAR_SPECTRA_DATABANK | GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000 | 1 | 12-APR-2010 00:06:01 |
| ECMWF_FILE | AUX_ECF_AXNECM20100411_054116_20100411_210000_20100412_090000 | 1 | 12-APR-2010 00:06:01 |
| ECMWF_FILE | AUX_ECF_AXNECM20100411_172119_20100412_030000_20100412_150000 | 45 | 12-APR-2010 03:37:10 |
| ECMWF_FILE | AUX_ECA_AXNECM20100412_052115_20100411_210000_20100412_090000 | 66 | 12-APR-2010 05:17:46 |
| ECMWF_FILE | AUX_ECA_AXNECM20100412_170913_20100412_090000_20100412_210000 | 87 | 12-APR-2010 19:33:55 |
| ECMWF_FILE | AUX_ECF_AXNECM20100412_052116_20100412_150000_20100413_030000 | 103 | 12-APR-2010 20:44:42 |
| ECMWF_FILE | AUX_ECF_AXNECM20100412_054115_20100412_210000_20100413_090000 | 123 | 12-APR-2010 22:27:44 |
| OPTIONAL_ECMWF_FILE | MISSING | 1 | 12-APR-2010 00:06:01 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20100411_225502_000057382088_00287_42425_0140.N1 | 1 | 12-APR-2010 00:06:01 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20100412_003559_000057382088_00288_42426_0141.N1 | 9 | 12-APR-2010 00:39:51 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20100412_021138_000044632088_00289_42427_0142.N1 | 29 | 12-APR-2010 02:18:01 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20100412_033119_000057382088_00290_42428_0143.N1 | 45 | 12-APR-2010 03:37:10 |
| ORBIT_DATA_FILE | AUX_FPO_AXVPDS20100411_100117_20100410_184101_20100420_200713 | 66 | 12-APR-2010 05:17:46 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20100412_192742_000041442088_00300_42438_0145.N1 | 87 | 12-APR-2010 19:33:55 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20100412_204205_000060572088_00300_42438_0146.N1 | 103 | 12-APR-2010 20:44:42 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20100412_222302_000057382088_00301_42439_0147.N1 | 123 | 12-APR-2010 22:27:44 |

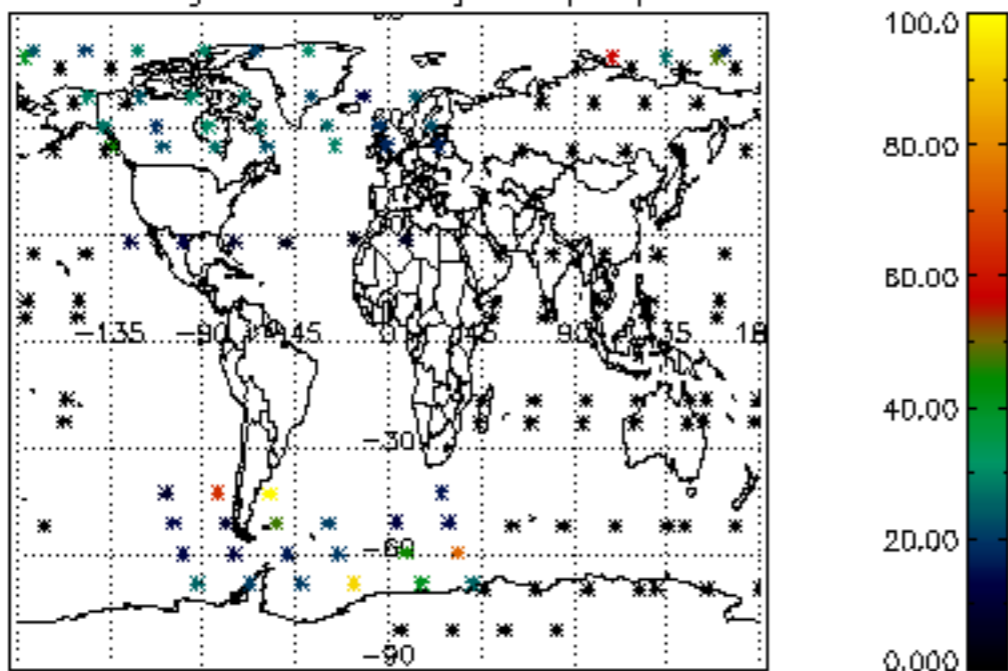




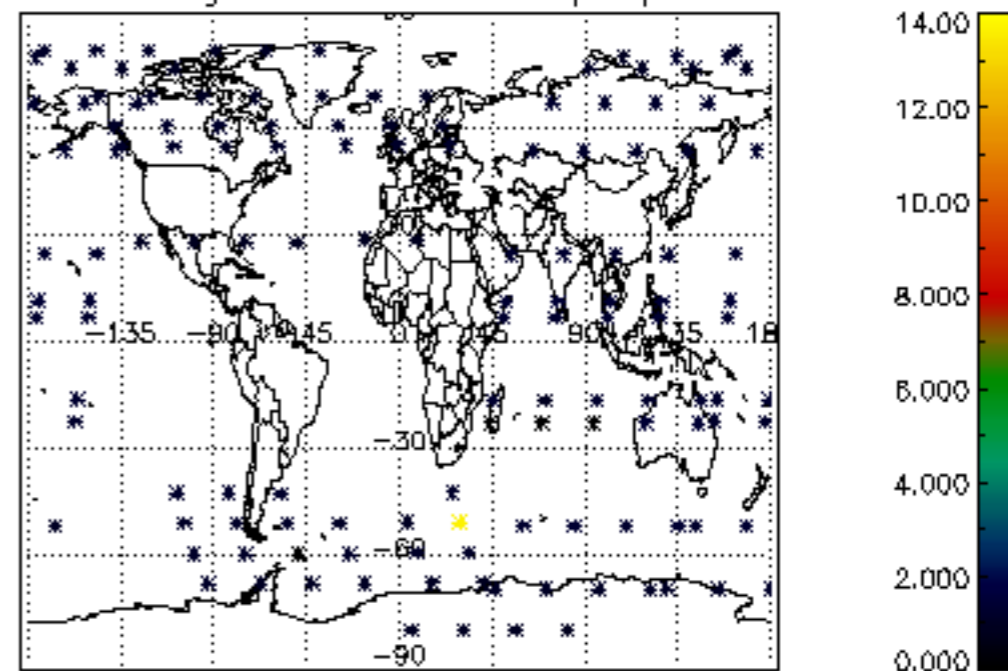




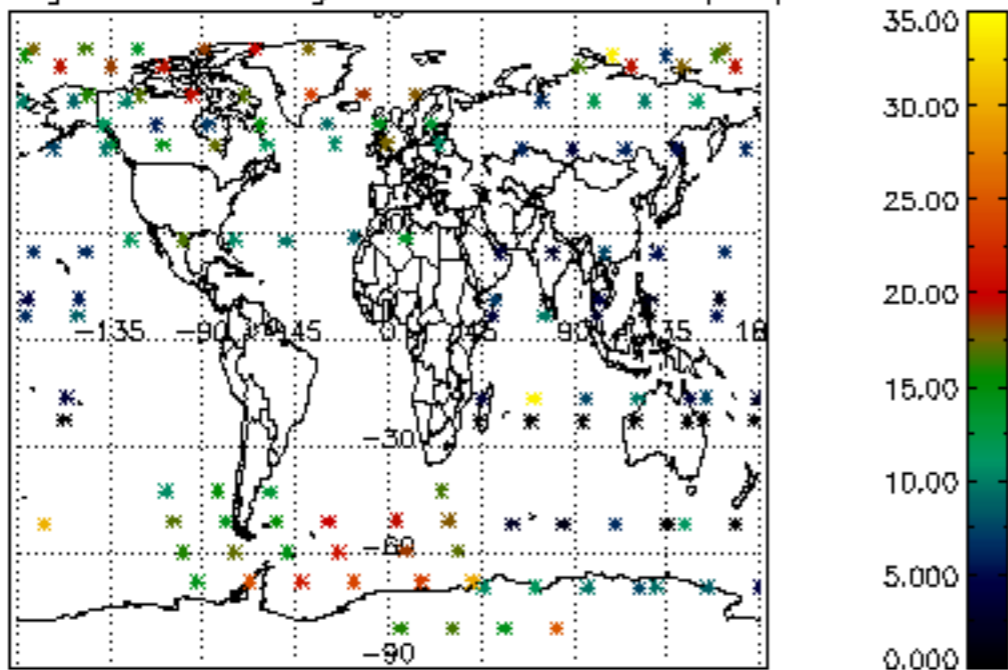
Percentage of cosmic ray hits per profile



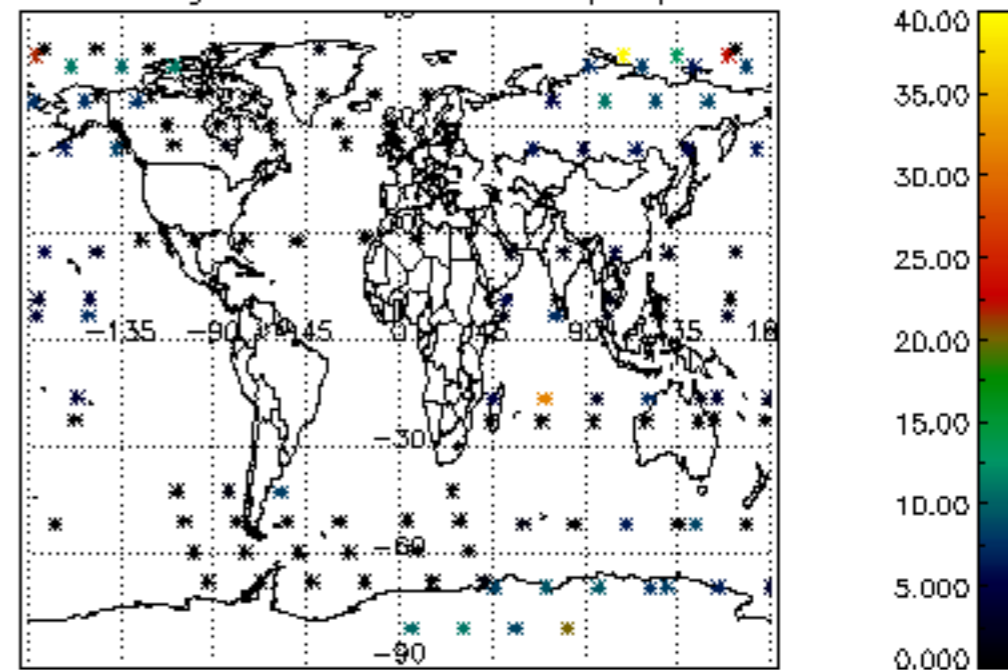
Percentage of datation errors per profile



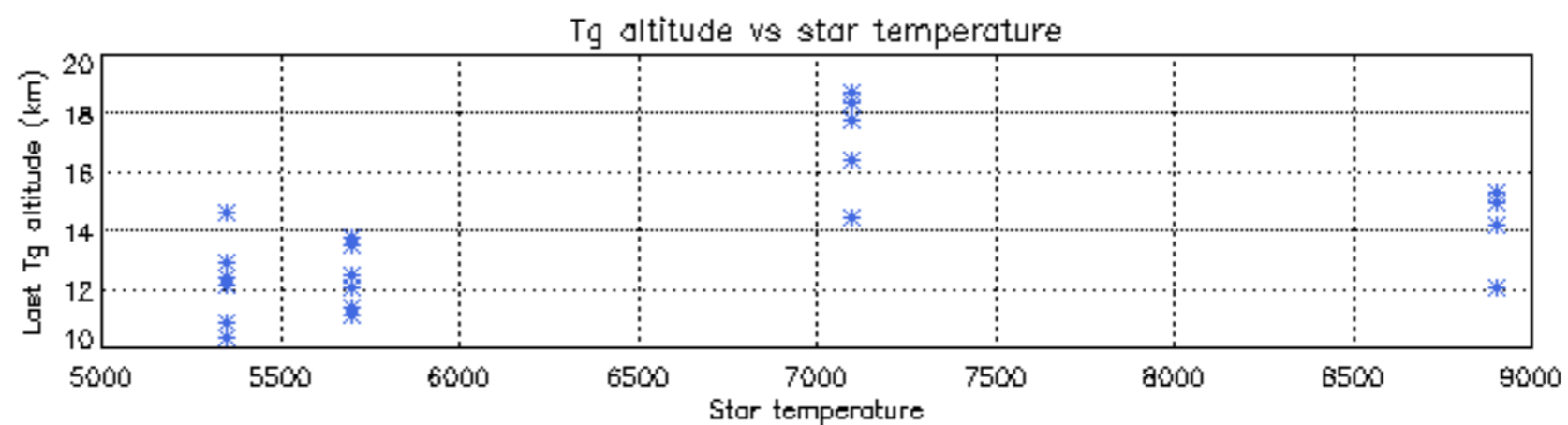
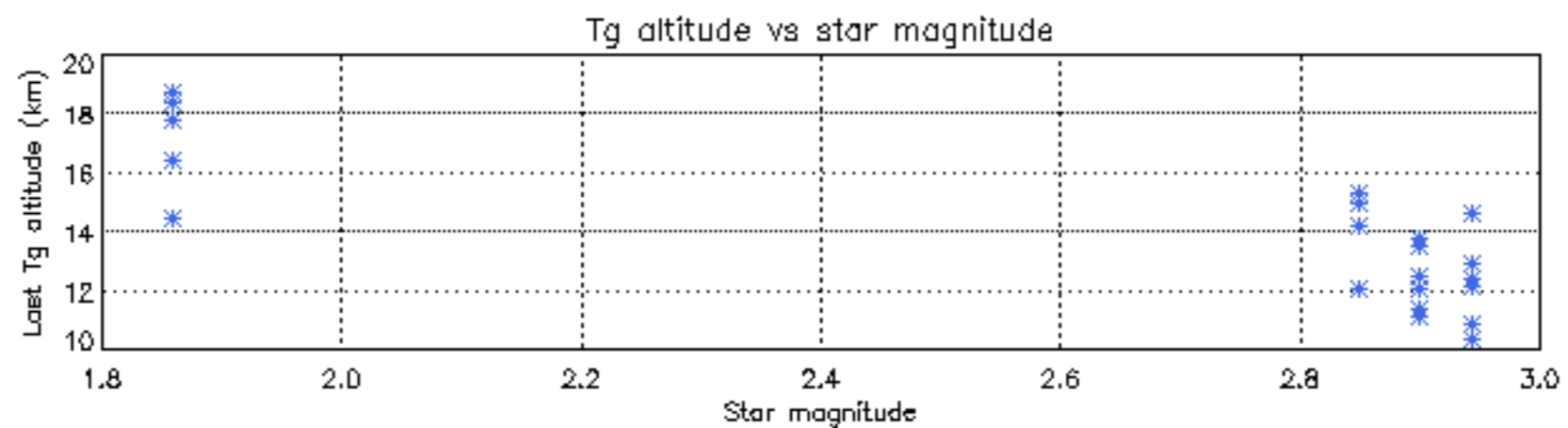
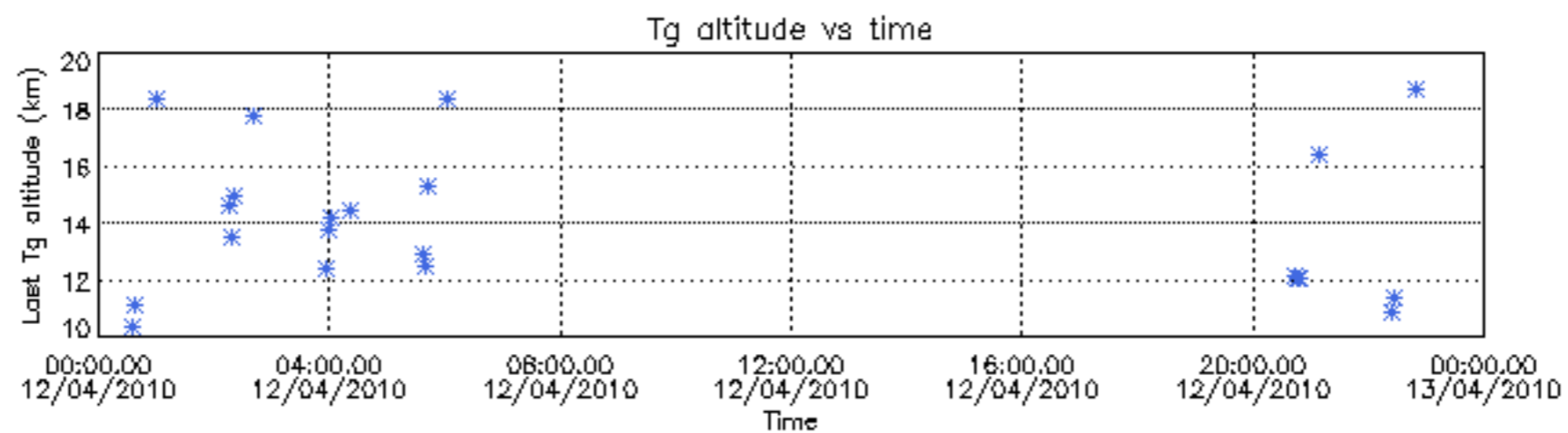
Percentage of star falling outside central band per profile



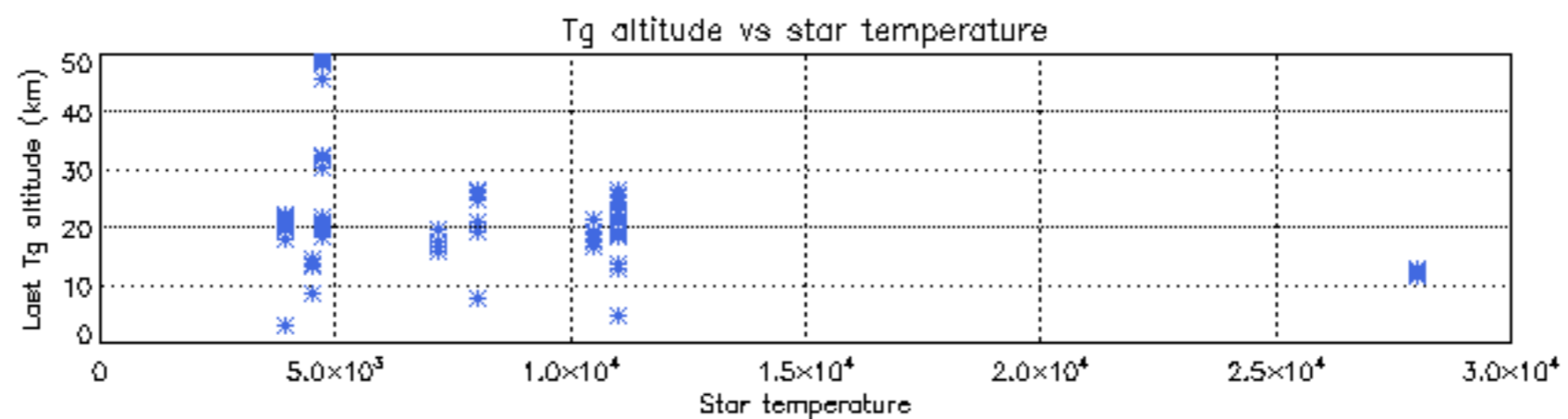
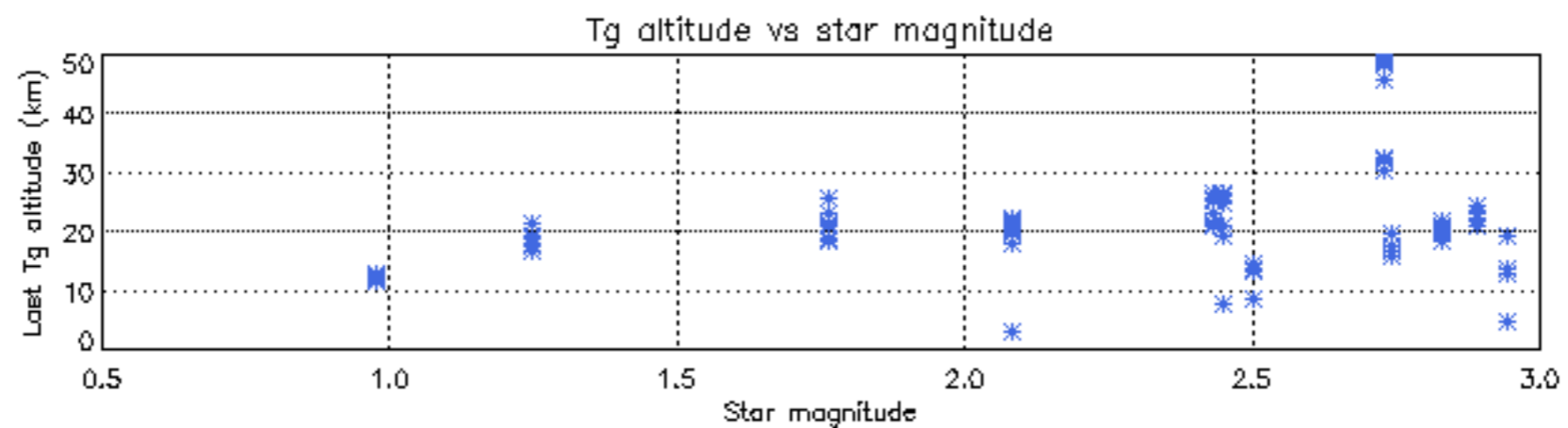
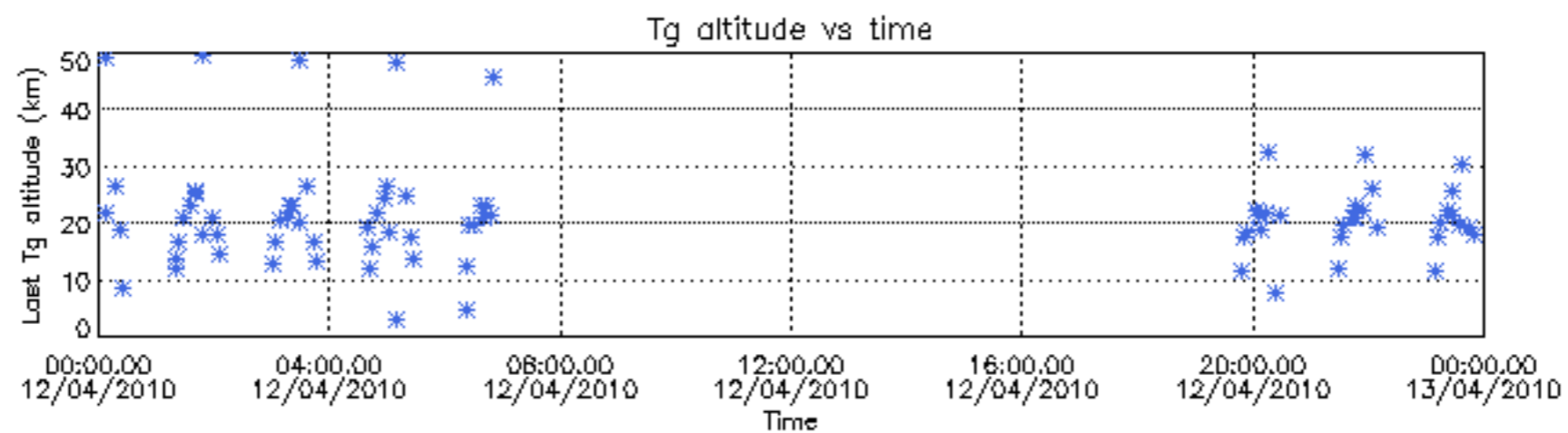
Percentage of saturation errors per profile



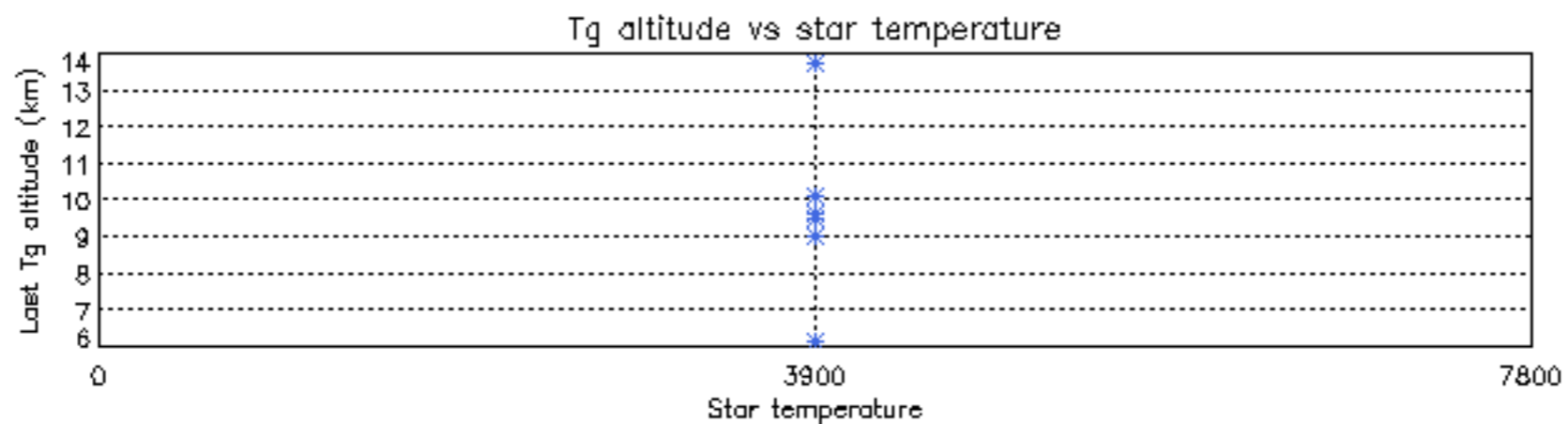
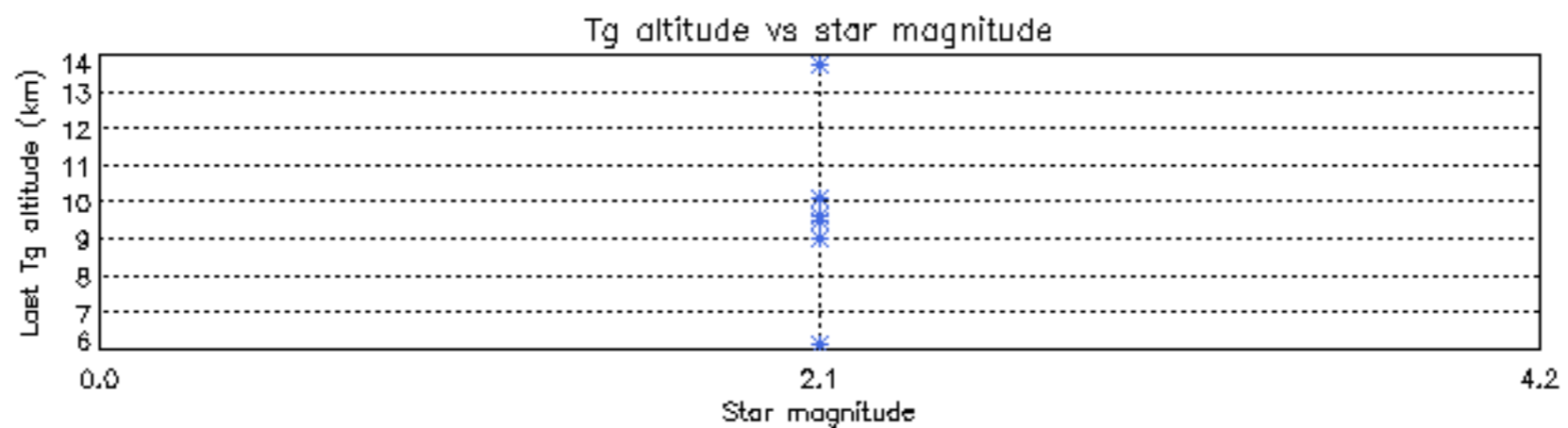
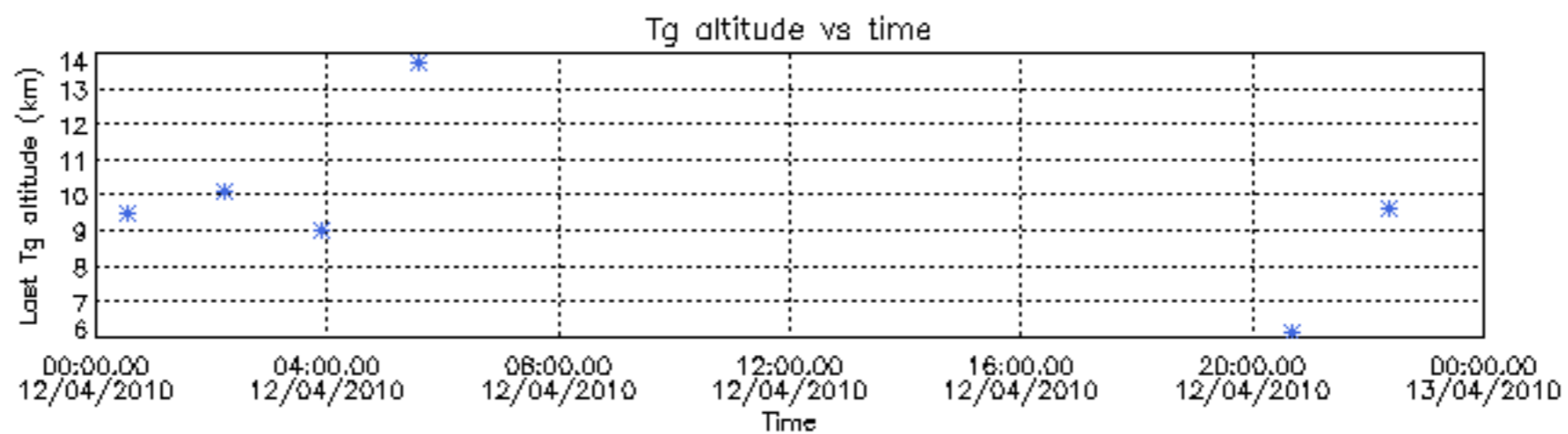
Tangent altitude at which the star is lost

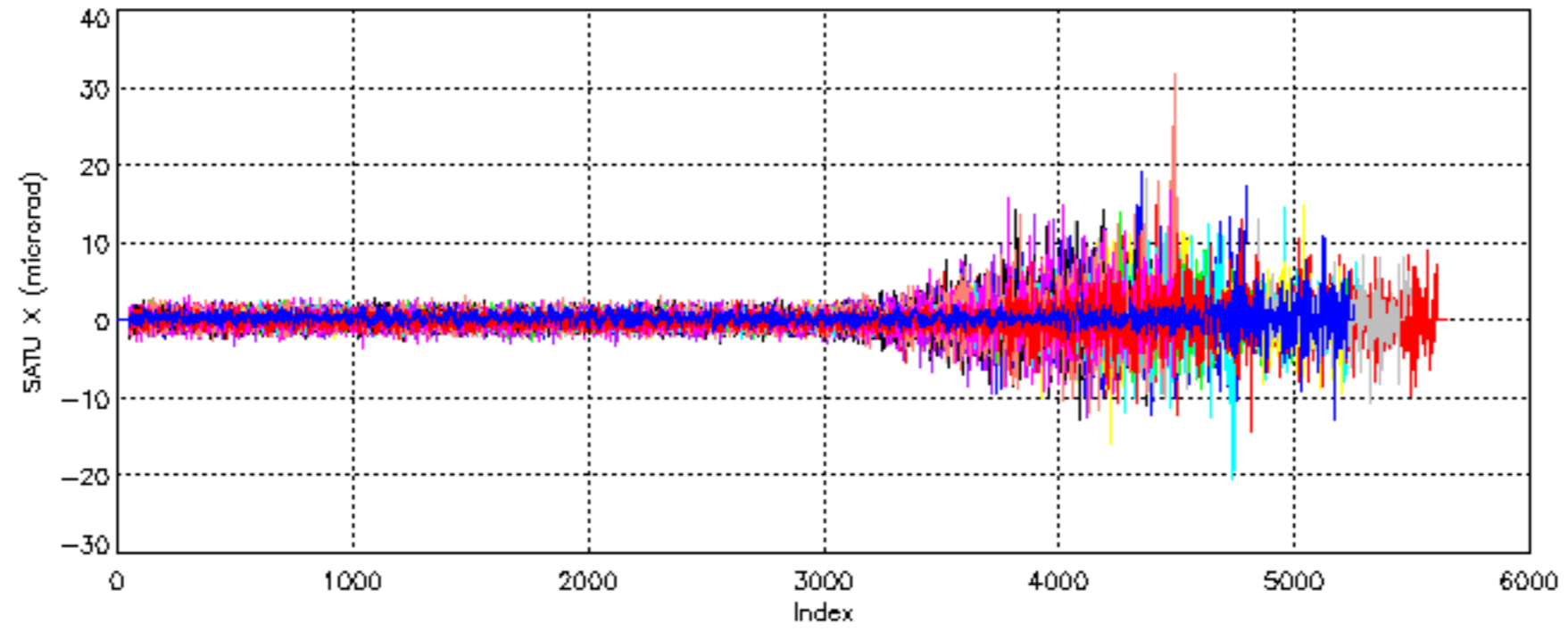


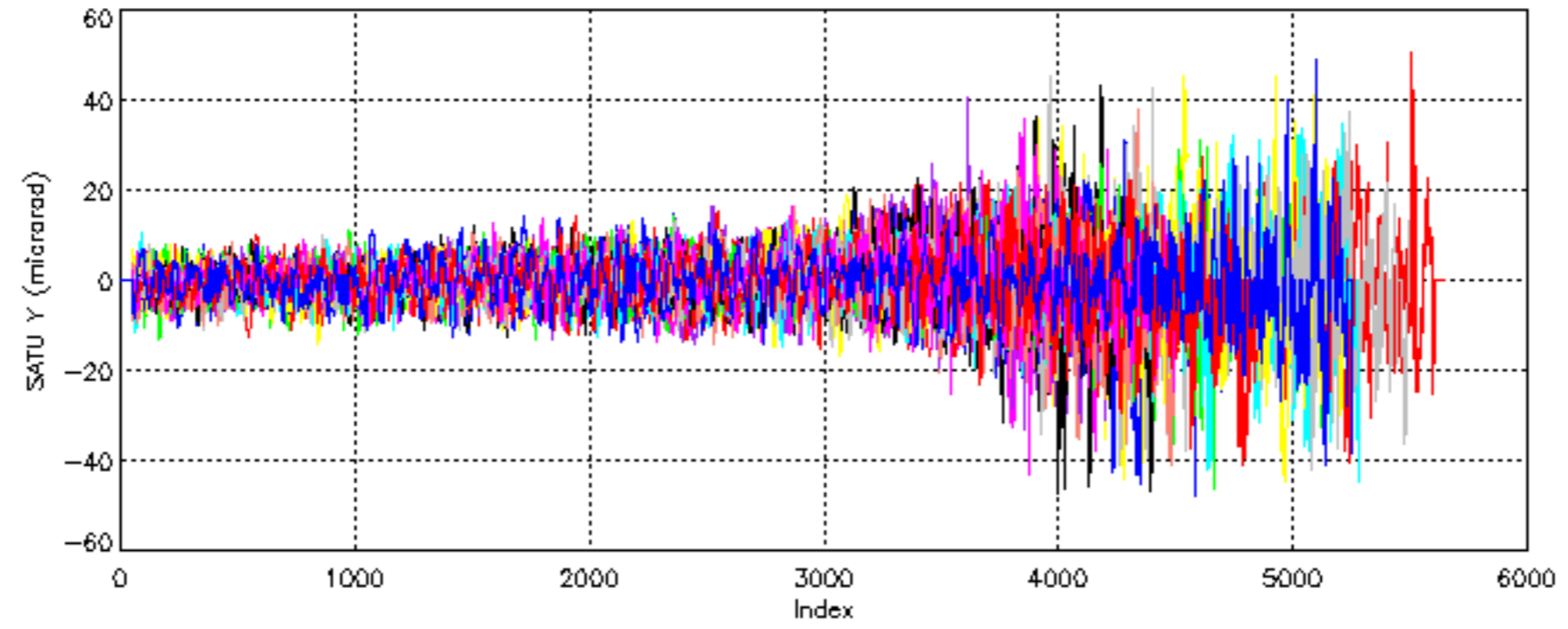
Tangent altitude at which the star is lost

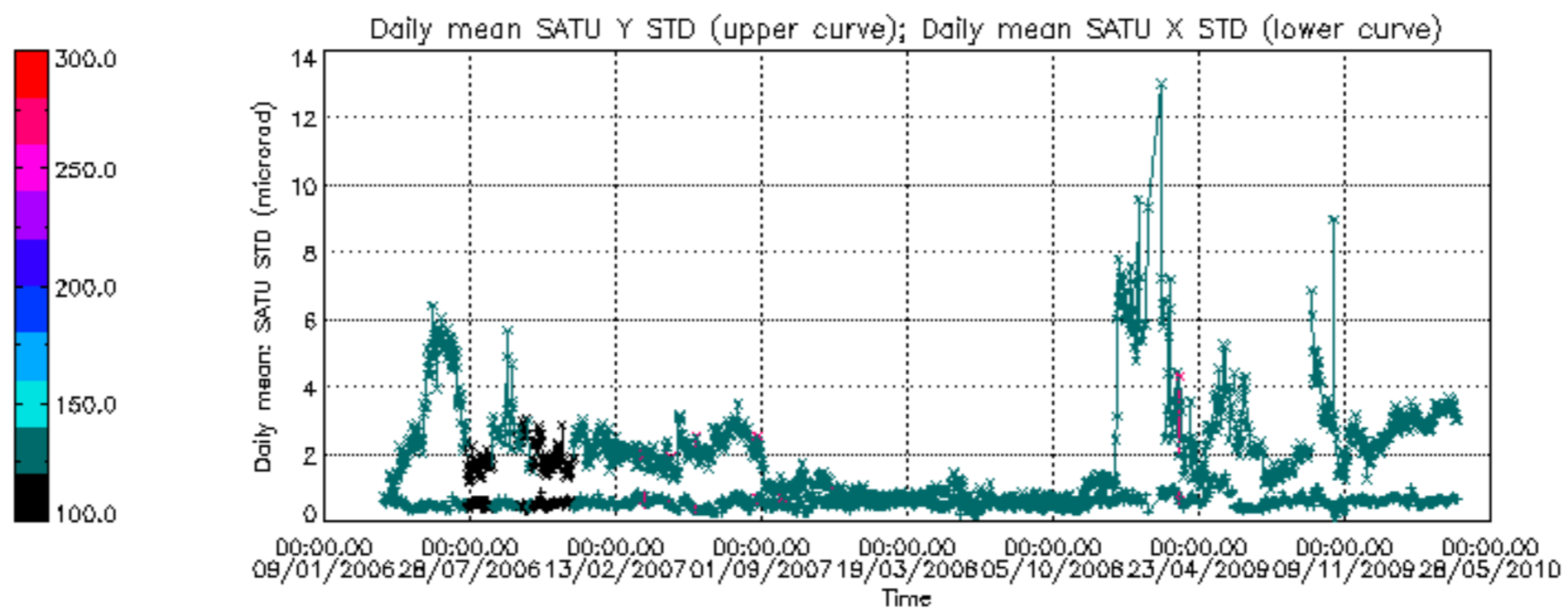


Tangent altitude at which the star is lost









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 3; 293.1; 01-APR-2010 01:42:41; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42270
 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
 10; 1577.7; 01-APR-2010 02:04:06; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;42270
 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
 3;-1723.2; 01-APR-2010 02:49:41; Bright; 44.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 89; 0;42270
 4;-1601.7; 01-APR-2010 02:51:42; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 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
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 9; 515.9; 01-APR-2010 03:27:00; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;42271
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 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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 15; 1578.0; 01-APR-2010 03:44:42; Dark ; 43.5; 100; 4Gam Crv ; 2.58; 13100;occ; 87; 0;42271
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 19; 2666.3; 01-APR-2010 04:02:50; Bright; 37.5; 174; 52Psi UMa ; 3.00; 4400;occ; 75; 0;42271
 20; 2848.4; 01-APR-2010 04:05:52; Bright; 38.0; 87; 64Gam UMa ; 2.43; 11000;occ; 76; 0;42271
 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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 3;-1723.1; 01-APR-2010 04:30:17; Bright; 44.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 89; 0;42271
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 7; 67.5; 01-APR-2010 05:00:08; Dark ; 55.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 111; 0;42272
 8; 295.5; 01-APR-2010 05:03:56; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42272
 9; 516.4; 01-APR-2010 05:07:36; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;42272
 10; 674.7; 01-APR-2010 05:10:15; Dark ; 41.0; 4; Alp1Cen ;-0.01; 5800;occ; 82; 0;42272
 11; 839.6; 01-APR-2010 05:13:00; Dark ; 44.5; 78; Alp Lup ; 2.30; 28000;occ; 89; 0;42272
 12; 935.6; 01-APR-2010 05:14:36; Dark ; 47.0; 81; Eta Cen ; 2.36; 28000;occ; 94; 0;42272
 13; 1100.1; 01-APR-2010 05:17:20; Dark ; 52.5; 54; 5The Cen ; 2.06; 4500;occ; 105; 0;42272
 14; 1460.3; 01-APR-2010 05:23:20; Dark ; 46.5; 106; 9Bet Crv ; 2.65; 5600;occ; 93; 0;42272
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 16; 1688.2; 01-APR-2010 05:27:08; Dark ; 29.0; 15; 67Alp Vir ; 0.98; 28000;occ; 58; 0;42272
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 19; 2257.0; 01-APR-2010 05:36:37; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;42272
 20; 2666.3; 01-APR-2010 05:43:26; Bright; 38.0; 174; 52Psi UMa ; 3.00; 4400;occ; 76; 0;42272
 21; 2848.4; 01-APR-2010 05:46:28; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;42272
 22; 2958.0; 01-APR-2010 05:48:18; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;42272
 23; 3337.6; 01-APR-2010 05:54:38; Bright; 57.5; 60; 7Bet UMi ; 2.08; 3950;occ; 115; 0;42272

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 2; 1104.6; 01-APR-2010 20:22:48; Dark ; 50.0; 54; 5The Cen ; 2.06; 4500;occ; 100; 0;42281

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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
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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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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
14; 4312.8; 01-APR-2010 21:16:16; Bright; 46.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 93; 0;42281
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16; 4829.5; 01-APR-2010 21:24:53; Dark ; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 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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9; 1105.1; 01-APR-2010 22:03:24; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 0;42282
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14; 2159.5; 01-APR-2010 22:20:59; Bright; 40.5; 62; 94Bet Leo ; 2.14; 9700;occ; 81; 0;42282
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16; 2845.9; 01-APR-2010 22:32:25; Bright; 38.0; 87; 64Gam UMa ; 2.43; 11000;occ; 76; 0;42282
17; 2954.9; 01-APR-2010 22:34:14; Bright; 43.0; 32; 77Eps UMa ; 1.76; 11000;occ; 86; 0;42282
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22; 4435.4; 01-APR-2010 22:58:55; Bright; 44.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 88; 0;42282
23; 4829.9; 01-APR-2010 23:05:29; Dark ; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;42282
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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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 7; 69.4; 01-APR-2010 06:40:45; Dark ; 53.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 107; 0;42273
 8; 296.4; 01-APR-2010 06:44:32; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42273
 9; 517.0; 01-APR-2010 06:48:13; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;42273
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 12; 936.4; 01-APR-2010 06:55:12; Dark ; 50.0; 81; Eta Cen ; 2.36; 28000;occ; 100; 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
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 13; 5723.8; 01-APR-2010 08:15:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42273
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 17; 6553.4; 01-APR-2010 08:28:49; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;42274
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 19; 6876.8; 01-APR-2010 08:34:13; Dark ; 48.5; 78; Alp Lup ; 2.30; 28000;occ; 97; 0;42274
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 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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 11; 4434.5; 01-APR-2010 09:34:06; Bright; 44.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 88; 0;42274
 12; 5724.6; 01-APR-2010 09:55:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42274
 13; 5893.5; 01-APR-2010 09:58:25; Dark ; 57.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 114; 0;42274
 14; 6107.5; 01-APR-2010 10:01:59; Dark ; 54.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 109; 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
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3; 388.4; 07-APR-2010 00:15:10; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42355
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5; 888.5; 07-APR-2010 00:23:30; Dark ; 43.5; 78; Alp Lup ; 2.30; 28000;occ; 87; 0;42355
6; 985.1; 07-APR-2010 00:25:07; Dark ; 44.5; 81; Eta Cen ; 2.36; 28000;occ; 89; 0;42355
7; 1139.8; 07-APR-2010 00:27:41; Dark ; 50.0; 54; 5The Cen ; 2.06; 4500;occ; 100; 0;42355
8; 1475.9; 07-APR-2010 00:33:17; Dark ; 44.0; 106; 9Bet Crv ; 2.65; 5600;occ; 88; 0;42355
9; 1589.7; 07-APR-2010 00:35:11; Dark ; 43.5; 100; 4Gam Crv ; 2.58; 13100;occ; 87; 0;42355
10; 1687.7; 07-APR-2010 00:36:49; Bright; 50.5; 15; 67Alp Vir ; 0.98; 28000;occ; 101; 0;42355
11; 1876.0; 07-APR-2010 00:39:58; Bright; 43.0; 121; 29Gam Vir ; 2.74; 7200;occ; 86; 0;42355
12; 2155.2; 07-APR-2010 00:44:37; Bright; 37.0; 62; 94Bet Leo ; 2.14; 9700;occ; 74; 0;42355
13; 2635.0; 07-APR-2010 00:52:36; Bright; 41.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 83; 0;42355
14; 2831.8; 07-APR-2010 00:55:53; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;42355
15; 2925.8; 07-APR-2010 00:57:27; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;42355
16; 3310.7; 07-APR-2010 01:03:52; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;42355
17; 3895.6; 07-APR-2010 01:13:37; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;42355
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21; 4851.9; 07-APR-2010 01:29:33; Dark ; 52.5; 61; 8Eps Peg ; 2.10; 3900;occ; 105; 0;42355
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5; 558.7; 07-APR-2010 01:58:36; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;42356
6; 889.2; 07-APR-2010 02:04:06; Dark ; 46.5; 78; Alp Lup ; 2.30; 28000;occ; 93; 0;42356
7; 985.8; 07-APR-2010 02:05:43; Dark ; 47.5; 81; Eta Cen ; 2.36; 28000;occ; 95; 0;42356
8; 1140.4; 07-APR-2010 02:08:18; Dark ; 55.0; 54; 5The Cen ; 2.06; 4500;occ; 110; 0;42356
9; 1476.3; 07-APR-2010 02:13:54; Dark ; 44.0; 106; 9Bet Crv ; 2.65; 5600;occ; 88; 0;42356
10; 1589.9; 07-APR-2010 02:15:47; Dark ; 44.5; 100; 4Gam Crv ; 2.58; 13100;occ; 89; 0;42356
11; 1687.7; 07-APR-2010 02:17:25; Bright; 52.5; 15; 67Alp Vir ; 0.98; 28000;occ; 105; 0;42356
12; 1875.9; 07-APR-2010 02:20:33; Bright; 43.0; 121; 29Gam Vir ; 2.74; 7200;occ; 86; 0;42356
13; 2155.1; 07-APR-2010 02:25:12; Bright; 37.0; 62; 94Bet Leo ; 2.14; 9700;occ; 74; 0;42356
14; 2634.5; 07-APR-2010 02:33:12; Bright; 41.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 83; 0;42356
15; 2831.6; 07-APR-2010 02:36:29; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;42356
16; 2925.4; 07-APR-2010 02:38:03; Bright; 39.5; 32; 77Eps UMa ; 1.76; 11000;occ; 79; 0;42356
17; 3310.3; 07-APR-2010 02:44:28; Bright; 53.5; 60; 7Bet UMi ; 2.08; 3950;occ; 107; 0;42356

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3; -1724.9; 07-APR-2010 03:01:08; Bright; 67.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 134; 0;42356
4; -1592.8; 07-APR-2010 03:03:20; Bright; 47.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 94; 0;42356
5; -1183.8; 07-APR-2010 03:10:10; Dark ; 49.5; 61; 8Eps Peg ; 2.10; 3900;occ; 99; 0;42356
6; -898.8; 07-APR-2010 03:14:54; Dark ; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;42356
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12; 986.2; 07-APR-2010 03:46:20; Dark ; 45.5; 81; Eta Cen ; 2.36; 28000;occ; 91; 0;42357
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14; 1476.3; 07-APR-2010 03:54:30; Dark ; 45.0; 106; 9Bet Crv ; 2.65; 5600;occ; 90; 0;42357
15; 1590.1; 07-APR-2010 03:56:23; Dark ; 40.5; 100; 4Gam Crv ; 2.58; 13100;occ; 81; 0;42357
16; 1687.7; 07-APR-2010 03:58:01; Bright; 54.0; 15; 67Alp Vir ; 0.98; 28000;occ; 108; 0;42357
17; 1876.0; 07-APR-2010 04:01:09; Bright; 42.5; 121; 29Gam Vir ; 2.74; 7200;occ; 85; 0;42357
18; 2155.4; 07-APR-2010 04:05:49; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;42357
19; 2634.0; 07-APR-2010 04:13:47; Bright; 40.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 81; 0;42357
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21; 2925.1; 07-APR-2010 04:18:38; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;42357
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3;-1724.6; 07-APR-2010 04:41:45; Bright; 50.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 100; 0;42357
4;-1592.7; 07-APR-2010 04:43:57; Bright; 47.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 94; 0;42357
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6; -898.5; 07-APR-2010 04:55:31; Dark ; 45.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 91; 0;42357
7; -237.7; 07-APR-2010 05:06:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42357
8; -32.9; 07-APR-2010 05:09:56; Dark ; 56.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 113; 0;42357
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10; 559.8; 07-APR-2010 05:19:49; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;42358
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13; 1141.6; 07-APR-2010 05:29:31; Dark ; 51.5; 54; 5The Cen ; 2.06; 4500;occ; 103; 0;42358
14; 1476.6; 07-APR-2010 05:35:06; Dark ; 40.5; 106; 9Bet Crv ; 2.65; 5600;occ; 81; 0;42358
15; 1590.3; 07-APR-2010 05:37:00; Dark ; 41.0; 100; 4Gam Crv ; 2.58; 13100;occ; 82; 0;42358
16; 1687.7; 07-APR-2010 05:38:37; Bright; 52.0; 15; 67Alp Vir ; 0.98; 28000;occ; 104; 0;42358
17; 1875.9; 07-APR-2010 05:41:45; Bright; 41.5; 121; 29Gam Vir ; 2.74; 7200;occ; 83; 0;42358
18; 2155.4; 07-APR-2010 05:46:25; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;42358
19; 2633.4; 07-APR-2010 05:54:23; Bright; 42.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 85; 0;42358
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4;-1592.6; 07-APR-2010 06:24:33; Bright; 48.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 96; 0;42358
5;-1183.1; 07-APR-2010 06:31:22; Dark ; 43.5; 61; 8Eps Peg ; 2.10; 3900;occ; 87; 0;42358
6; -898.1; 07-APR-2010 06:36:07; Dark ; 47.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 94; 0;42358
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9; 392.9; 07-APR-2010 06:57:38; Dark ; 60.0; 40; The Sco ; 1.86; 7100;occ; 120; 0;42359
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11; 890.4; 07-APR-2010 07:05:56; Dark ; 44.0; 78; Alp Lup ; 2.30; 28000;occ; 88; 0;42359
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13; 1141.8; 07-APR-2010 07:10:07; Dark ; 50.5; 54; 5The Cen ; 2.06; 4500;occ; 101; 0;42359
14; 1476.9; 07-APR-2010 07:15:42; Dark ; 43.5; 106; 9Bet Crv ; 2.65; 5600;occ; 87; 0;42359
15; 1590.6; 07-APR-2010 07:17:36; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;42359
16; 1688.0; 07-APR-2010 07:19:13; Bright; 49.5; 15; 67Alp Vir ; 0.98; 28000;occ; 99; 0;42359
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4; 2633.0; 07-APR-2010 07:34:58; Bright; 41.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 83; 0;42359
5; 2831.5; 07-APR-2010 07:38:17; Bright; 38.5; 87; 64Gam UMa ; 2.43; 11000;occ; 77; 0;42359
6; 2924.7; 07-APR-2010 07:39:50; Bright; 39.5; 32; 77Eps UMa ; 1.76; 11000;occ; 79; 0;42359
7; 3309.7; 07-APR-2010 07:46:15; Bright; 57.0; 60; 7Bet UMi ; 2.08; 3950;occ; 114; 0;42359
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9; 4209.2; 07-APR-2010 08:01:14; Bright; 43.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 86; 0;42359
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11; 4443.5; 07-APR-2010 08:05:09; Bright; 45.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 91; 0;42359
12; 4853.5; 07-APR-2010 08:11:59; Dark ; 45.0; 61; 8Eps Peg ; 2.10; 3900;occ; 90; 0;42359
13; 5138.5; 07-APR-2010 08:16:44; Dark ; 45.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 91; 0;42359

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 21; 7512.9; 07-APR-2010 08:56:18; Dark ; 44.0; 106; 9Bet Crv ; 2.65; 5600;occ; 88; 0;42360
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 5; 2924.0; 07-APR-2010 09:20:25; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;42360
 6; 3309.3; 07-APR-2010 09:26:50; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;42360
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 9; 4310.9; 07-APR-2010 09:43:32; Bright; 49.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 98; 0;42360
 10; 4443.6; 07-APR-2010 09:45:45; Bright; 48.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 96; 0;42360
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 12; 5139.1; 07-APR-2010 09:57:20; Dark ; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;42360
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 18; 7024.1; 07-APR-2010 10:28:45; Dark ; 45.0; 81; Eta Cen ; 2.36; 28000;occ; 90; 0;42361
 19; 7178.8; 07-APR-2010 10:31:20; Dark ; 51.0; 54; 5The Cen ; 2.06; 4500;occ; 102; 0;42361
 20; 7513.2; 07-APR-2010 10:36:54; Dark ; 44.5; 106; 9Bet Crv ; 2.65; 5600;occ; 89; 0;42361
 21; 7626.6; 07-APR-2010 10:38:48; Dark ; 43.5; 100; 4Gam Crv ; 2.58; 13100;occ; 87; 0;42361
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 7; 3308.8; 07-APR-2010 11:07:26; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;42361
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3; 3864.9; 21-APR-2010 03:54:02; Bright; 59.0; 89; 5Alp Cep ; 2.45; 8000;occ; 118; 0;42557
4; 4486.2; 21-APR-2010 04:04:23; Bright; 39.5; 164; 44Eta Peg ; 2.95; 5400;occ; 79; 0;42557
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6; 5084.5; 21-APR-2010 04:14:22; Dark ; 48.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 96; 0;42557
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8; 5396.9; 21-APR-2010 04:19:34; Dark ; 46.0; 142; 49Del Cap ; 2.85; 8900;occ; 92; 0;42557
9; 5704.6; 21-APR-2010 04:24:42; Dark ; 41.5; 172; Gam Gru ; 3.00; 13100;occ; 83; 0;42557
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9; 93.8; 21-APR-2010 06:12:23; Dark ; 46.0; 45; Alp Pav ; 1.94; 26000;occ; 92; 0;42559
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 21; 2814.4; 21-APR-2010 06:57:43; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;42559
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 7; 2094.1; 21-APR-2010 20:10:31; Bright; 37.5; 138; 47Eps Vir ; 2.83; 4700;occ; 75; 0;42567
 8; 2268.0; 21-APR-2010 20:13:25; Bright; 42.5; 111; 8Eta Boo ; 2.68; 6000;occ; 85; 0;42567
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 16; 2267.7; 21-APR-2010 21:54:00; Bright; 43.0; 111; 8Eta Boo ; 2.68; 6000;occ; 86; 0;42568
 17; 2570.4; 21-APR-2010 21:59:03; Bright; 38.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 77; 0;42568
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 19; 2810.6; 21-APR-2010 22:03:03; Bright; 41.0; 39; 85Eta UMa ; 1.85; 24000;occ; 82; 0;42568
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 21; 3862.2; 21-APR-2010 22:20:35; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;42568
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 4; 99.3; 21-APR-2010 22:58:28; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;42569
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 6; 989.9; 21-APR-2010 23:13:18; Dark ; 41.0; 78; Alp Lup ; 2.30; 28000;occ; 82; 0;42569
 7; 1084.6; 21-APR-2010 23:14:53; Dark ; 45.0; 81; Eta Cen ; 2.36; 28000;occ; 90; 0;42569
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 13; 2267.2; 21-APR-2010 23:34:35; Bright; 44.5; 111; 8Eta Boo ; 2.68; 6000;occ; 89; 0;42569
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3; 2560.1; 28-APR-2010 14:56:21; Bright; 36.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 72; 0;42664
4; 2653.8; 28-APR-2010 14:57:55; Bright; 44.5; 180; 27Gam Boo ; 3.04; 8000;occ; 89; 0;42664
5; 2779.5; 28-APR-2010 15:00:00; Bright; 39.0; 39; 85Eta UMA ; 1.85; 24000;occ; 78; 0;42664
6; 2860.1; 28-APR-2010 15:01:21; Bright; 37.0; 32; 77Eps UMa ; 1.76; 11000;occ; 74; 0;42664
7; 3226.3; 28-APR-2010 15:07:27; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;42664
8; 3838.2; 28-APR-2010 15:17:39; Bright; 41.5; 89; 5Alp Cep ; 2.45; 8000;occ; 83; 0;42664
9; 4502.3; 28-APR-2010 15:28:43; Bright; 48.0; 164; 44Eta Peg ; 2.95; 5400;occ; 96; 0;42664
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13; 5482.7; 28-APR-2010 15:45:04; Dark ; 50.0; 142; 49Del Cap ; 2.85; 8900;occ; 100; 0;42664
14; 5647.4; 28-APR-2010 15:47:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42664
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16; 6194.0; 28-APR-2010 15:56:55; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;42665
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3; 2560.4; 28-APR-2010 16:36:57; Bright; 37.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 74; 0;42665
4; 2653.6; 28-APR-2010 16:38:31; Bright; 43.5; 180; 27Gam Boo ; 3.04; 8000;occ; 87; 0;42665
5; 2779.4; 28-APR-2010 16:40:36; Bright; 39.5; 39; 85Eta UMA ; 1.85; 24000;occ; 79; 0;42665

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6; 2779.0; 28-APR-2010 18:21:12; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42666
7; 2860.1; 28-APR-2010 18:22:33; Bright; 37.0; 32; 77Eps UMa ; 1.76; 11000;occ; 74; 0;42666
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9; 3838.4; 28-APR-2010 18:38:51; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;42666
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17; 6650.3; 28-APR-2010 19:25:43; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42667
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5; 2652.7; 28-APR-2010 19:59:42; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;42667
6; 2779.0; 28-APR-2010 20:01:48; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;42667
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4; 719.4; 29-APR-2010 00:29:16; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42670
5; 1120.4; 29-APR-2010 00:35:57; Dark ; 40.0; 81; Eta Cen ; 2.36; 28000;occ; 80; 0;42670
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 4; 161.6; 29-APR-2010 02:00:34; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;42671
 5; 617.1; 29-APR-2010 02:08:10; Dark ; 54.0; 141; Bet Ara ; 2.84; 4600;occ; 108; 0;42671
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 13; 4146.5; 29-APR-2010 21:33:34; Bright; 60.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 121; 0;42682
 14; 4505.5; 29-APR-2010 21:39:34; Bright; 43.5; 164; 44Eta Peg ; 2.95; 5400;occ; 87; 0;42682

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1; 1035.6; 30-APR-2010 18:29:31; Dark ; 58.0; 75; 26Eps Sco ; 2.29; 4250;occ; 116; 0;42695
2; 1206.0; 30-APR-2010 18:32:21; Dark ; 61.5; 136; 23Tau Sco ; 2.82; 30000;occ; 123; 0;42695
3; 1398.6; 30-APR-2010 18:35:34; Dark ; 60.0; 80; 7Del Sco ; 2.32; 30000;occ; 120; 0;42695
4; 1589.8; 30-APR-2010 18:38:45; Bright; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;42695
5; 1728.4; 30-APR-2010 18:41:04; Bright; 49.0; 104; 27Bet Lib ; 2.61; 13100;occ; 98; 0;42695
6; 2234.3; 30-APR-2010 18:49:29; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;42695
7; 2458.7; 30-APR-2010 18:53:14; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;42695
8; 2639.0; 30-APR-2010 18:56:14; Bright; 42.0; 180; 27Gam Boo ; 3.04; 8000;occ; 84; 0;42695
9; 2772.0; 30-APR-2010 18:58:27; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;42695
10; 3214.0; 30-APR-2010 19:05:49; Bright; 45.5; 119; 14Eta Dra ; 2.73; 4700;occ; 91; 0;42695
11; 3830.0; 30-APR-2010 19:16:05; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42695
12; 4142.0; 30-APR-2010 19:21:17; Bright; 42.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 84; 0;42695
13; 4507.4; 30-APR-2010 19:27:23; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;42695
14; 4772.1; 30-APR-2010 19:31:47; Dark ; 44.0; 90; 54Alp Peg ; 2.49; 11000;occ; 88; 0;42695
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16; 5173.7; 30-APR-2010 19:38:29; Dark ; 56.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 113; 0;42695
17; 5394.5; 30-APR-2010 19:42:10; Dark ; 58.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 116; 0;42695
18; 5551.9; 30-APR-2010 19:44:47; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42695
19; 5793.2; 30-APR-2010 19:48:48; Dark ; 40.5; 172; Gam Gru ; 3.00; 13100;occ; 81; 0;42695
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21; 6778.6; 30-APR-2010 20:05:14; Dark ; 58.0; 40; The Sco ; 1.86; 7100;occ; 116; 0;42696
22; 6883.6; 30-APR-2010 20:06:59; Dark ; 61.0; 25; 35Lam Sco ; 1.62; 28000;occ; 122; 0;42696

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